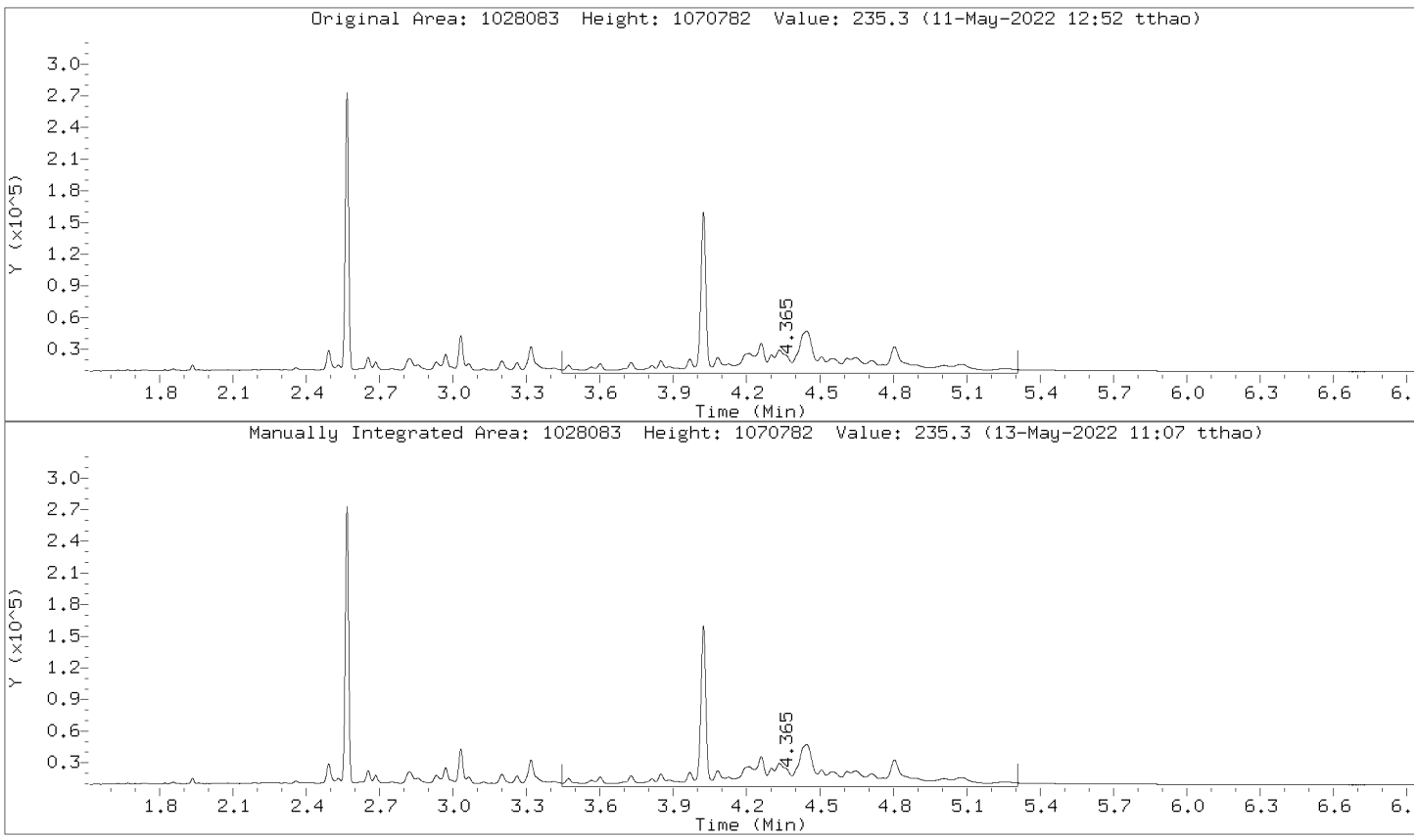
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000131.D
Injection Date: 11-MAY-2022 11:34
Instrument: 10gcsF.i
Lab Sample ID: 10606395003

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



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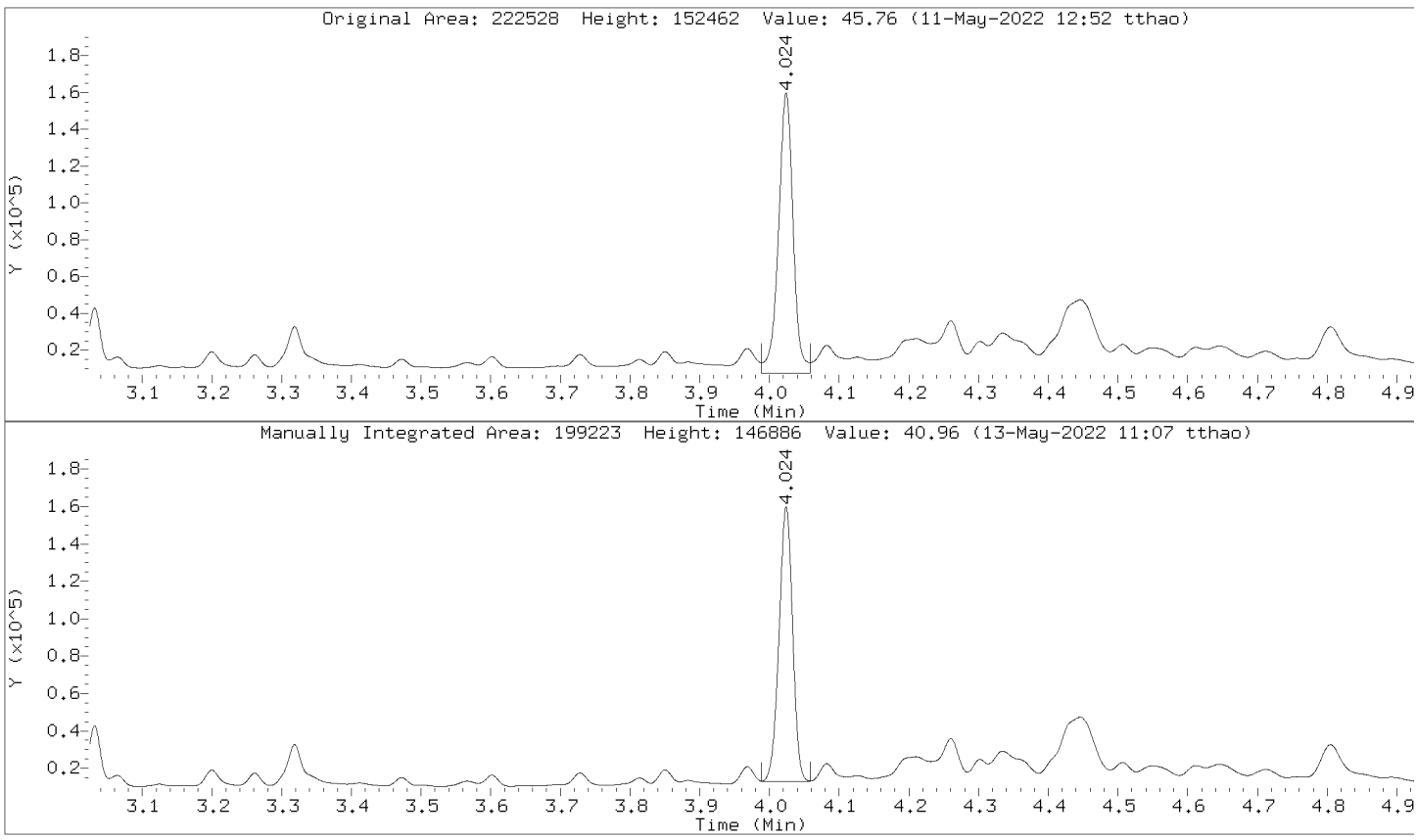
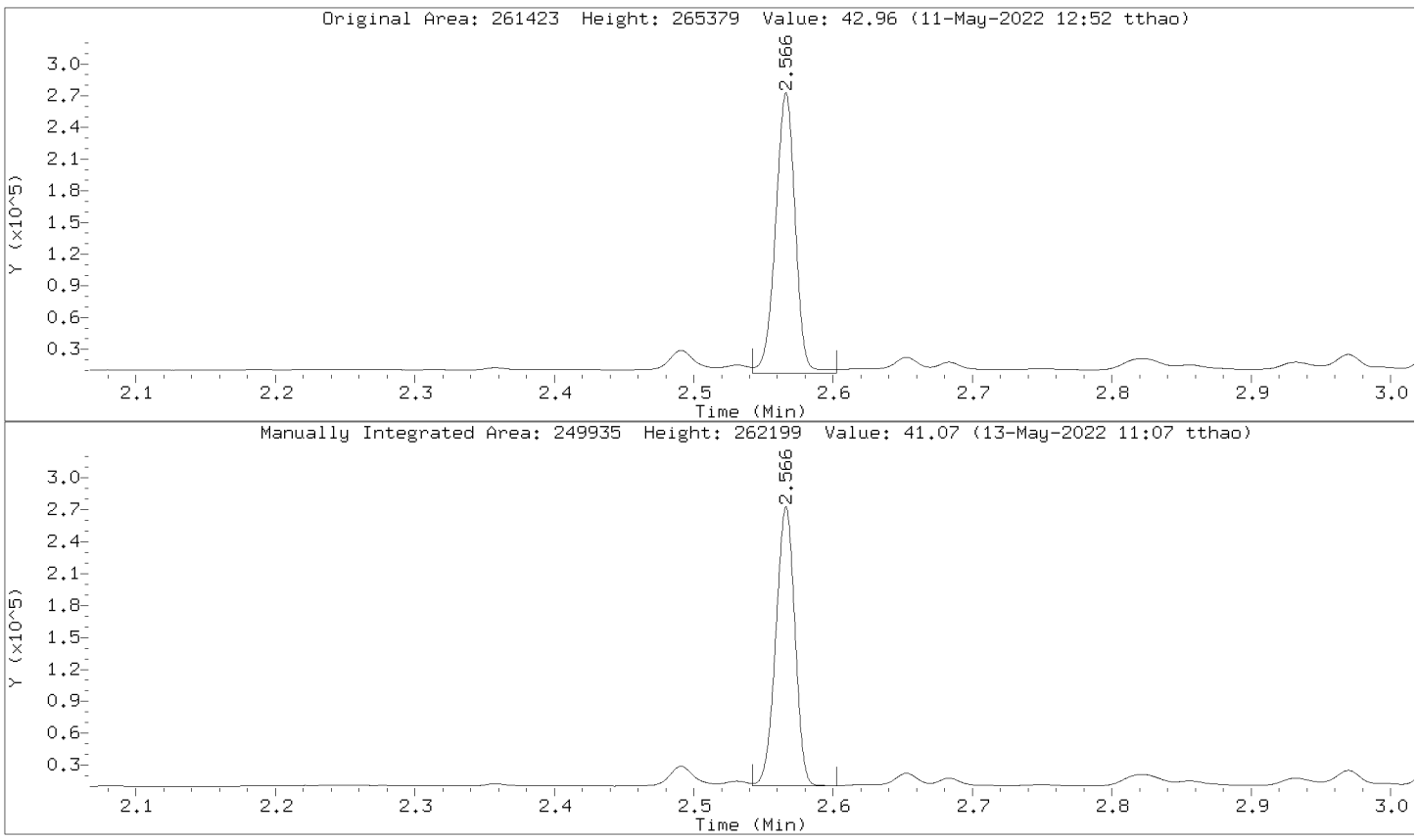
Injection Date: 11-MAY-2022 11:34
Instrument: 10gcsF.i
Lab Sample ID: 10606395003

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000131.D
Injection Date: 11-MAY-2022 11:34
Instrument: 10gcsF.i
Lab Sample ID: 10606395003

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	612635	612635
Motor Oil Range	1028083	1028083
Diesel Fuel Range SG	612635	612635
Motor Oil Range SG	1028083	1028083
n-Triacontane (S)	222528	199223
o-Terphenyl (S)	261423	249935

SAMPLE NO.

BNSF-SG03-042722-0-5.5

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received: 04/29/2022 08:50
Matrix: Solid
SDG No.: 10606395
Date Extracted: 04/29/2022 17:05
Lab Sample ID: 10606395004
Date Analyzed: 05/11/2022 11:57
Lab File ID: 051022F.B\0510F0000133.D
Initial wt/vol: 10.13 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 10GCSF
Percent Moisture: 29.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/kg	Q
68334-30-5	Diesel Fuel Range	21.4	
	Motor Oil Range	77.6	

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051022F.b\0510F0000133.D
Lab Smp Id: 10606395004 Client Smp ID: BNSF-SG03-042722-0-
Inj Date : 11-MAY-2022 11:57
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : 10606395004
Misc Info : 39248
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051022F.b\GCSFakNW8015-050922_3928
Meth Date : 11-May-2022 12:52 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 91
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: SOIL
Processing Host: W10SVOA-TT

Concentration Formula: Amt * DF * Uf*Vt/(Ws*Vi*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Ws	10.130	Weight of the sample extracted (g)
Vi	1.000	Volume Injected (uL)
M	29.652	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (mg/Kg)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.566	2.566	0.000	236986	38.9418	5.46	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.023	4.024	-0.001	166675	34.2730	4.81	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.431	- 5.300		2264032	552.692	77.6	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.300		2264032	553.071	77.6	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		923373	152.295	21.4	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		923373	152.295	21.4	(M)	RNG

QC Flag Legend

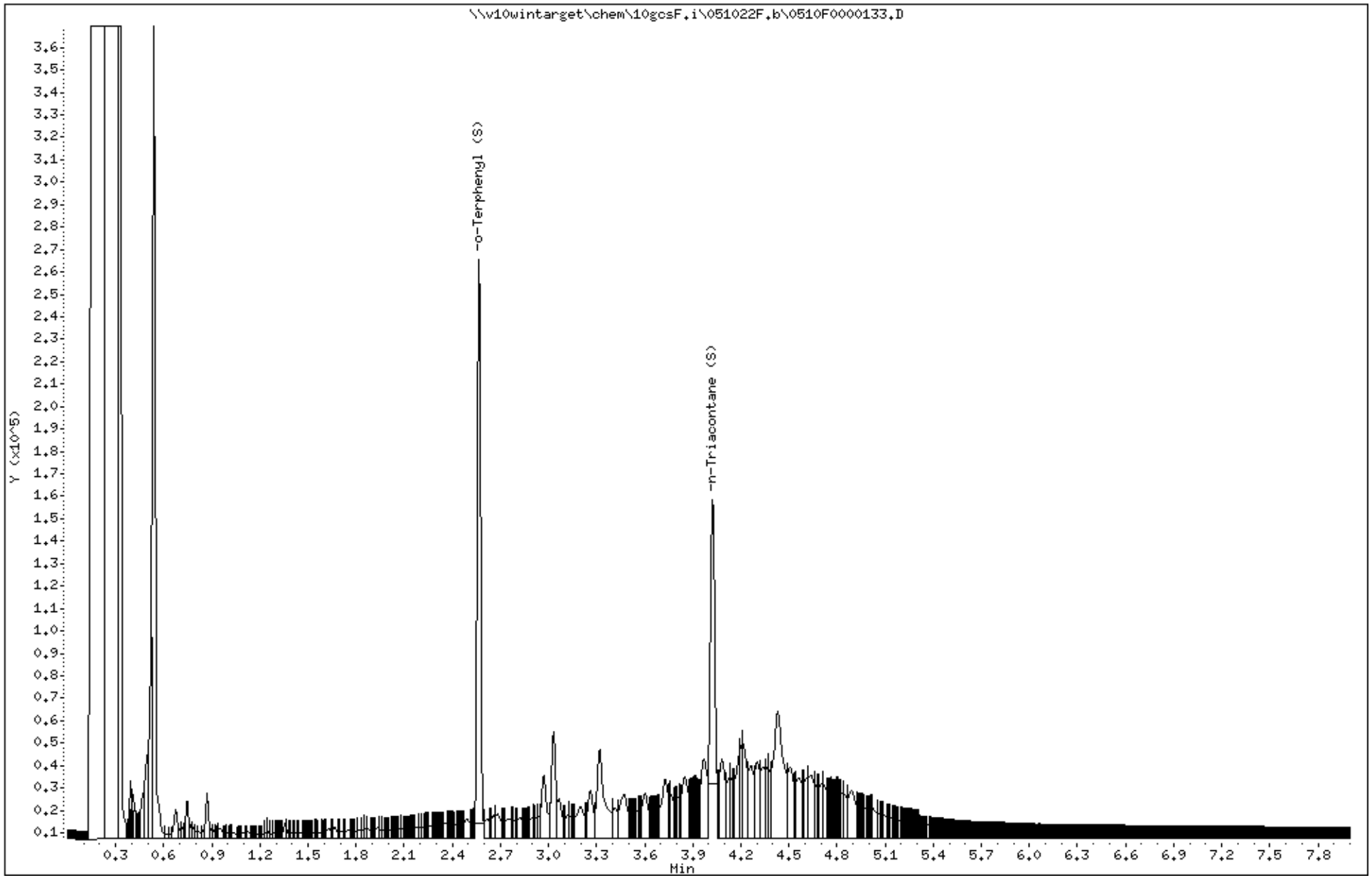
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

Data File: \\v10wintarget\chem\10gcsF.i\051022F.b\0510F0000133.D
Date : 11-MAY-2022 11:57
Client ID: BNSF-SG03-042722-0-
Sample Info: 10606395004
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

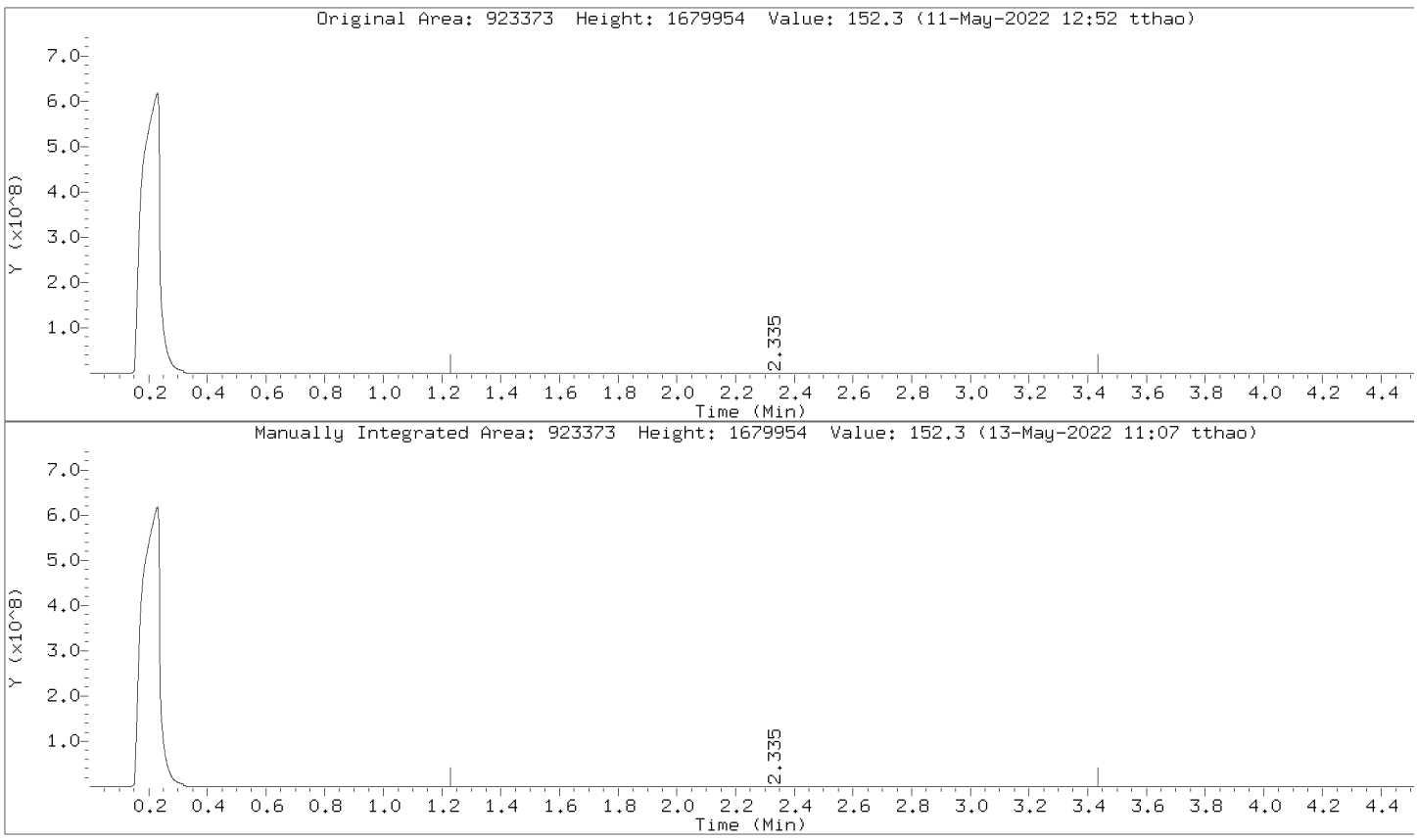
Instrument: 10gcsF.i
Operator: TT2
Column diameter: 0.32



111 of 1320
39 of 777
10606395

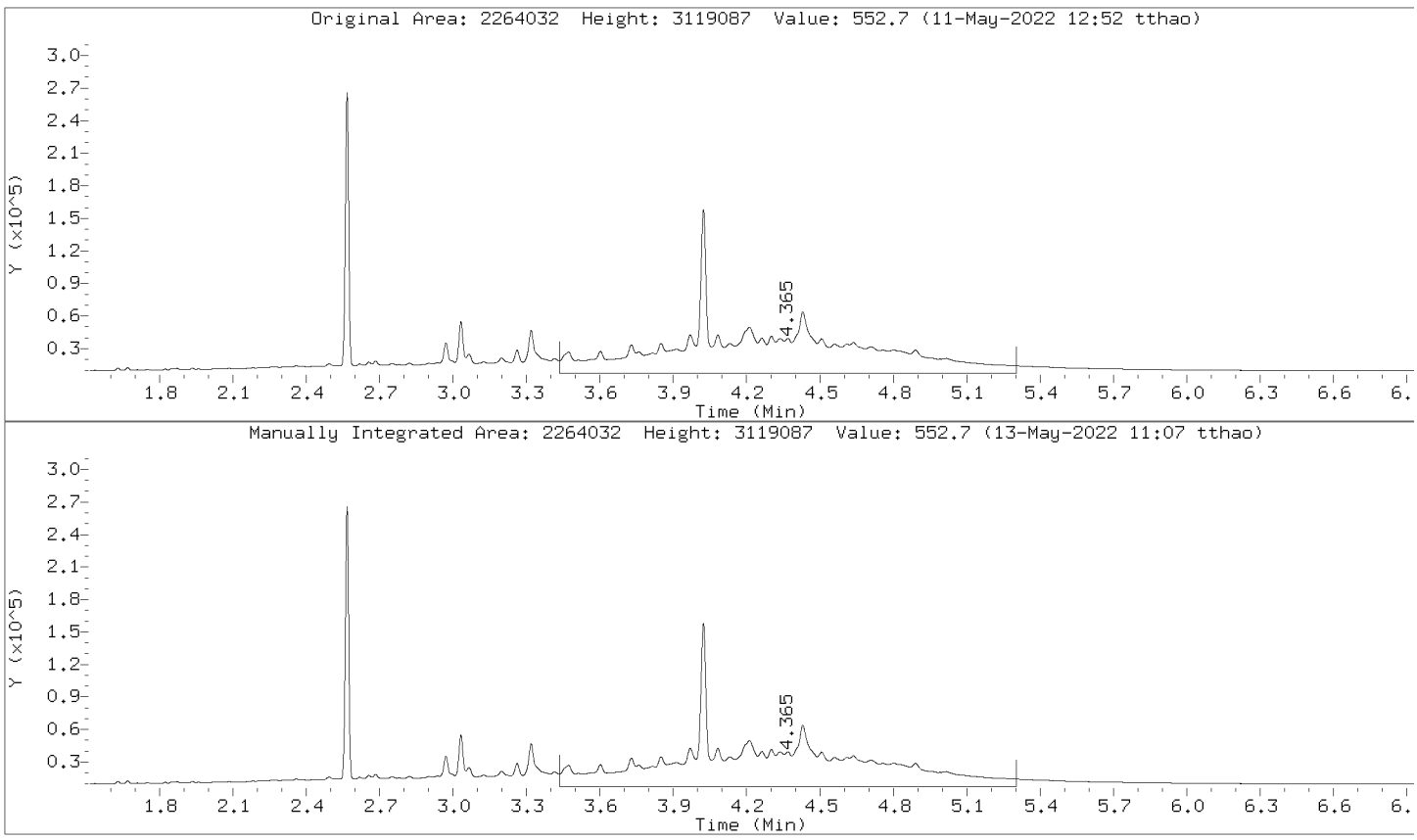
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000133.D
Injection Date: 11-MAY-2022 11:57
Instrument: 10gcsF.i
Lab Sample ID: 10606395004

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



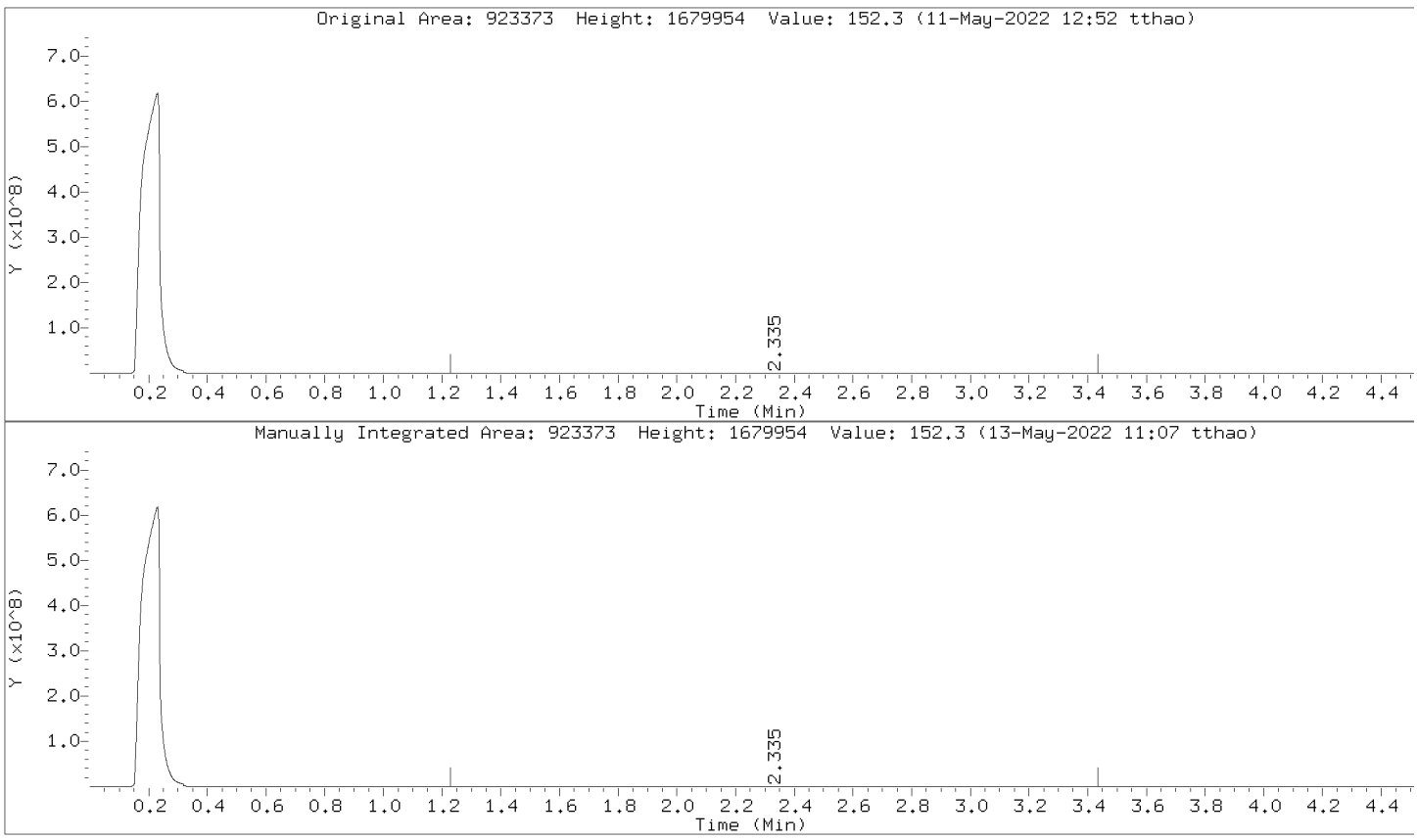
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000133.D
Injection Date: 11-MAY-2022 11:57
Instrument: 10gcsF.i
Lab Sample ID: 10606395004

Compound: Motor Oil Range Review Code: RNG
CAS Number:



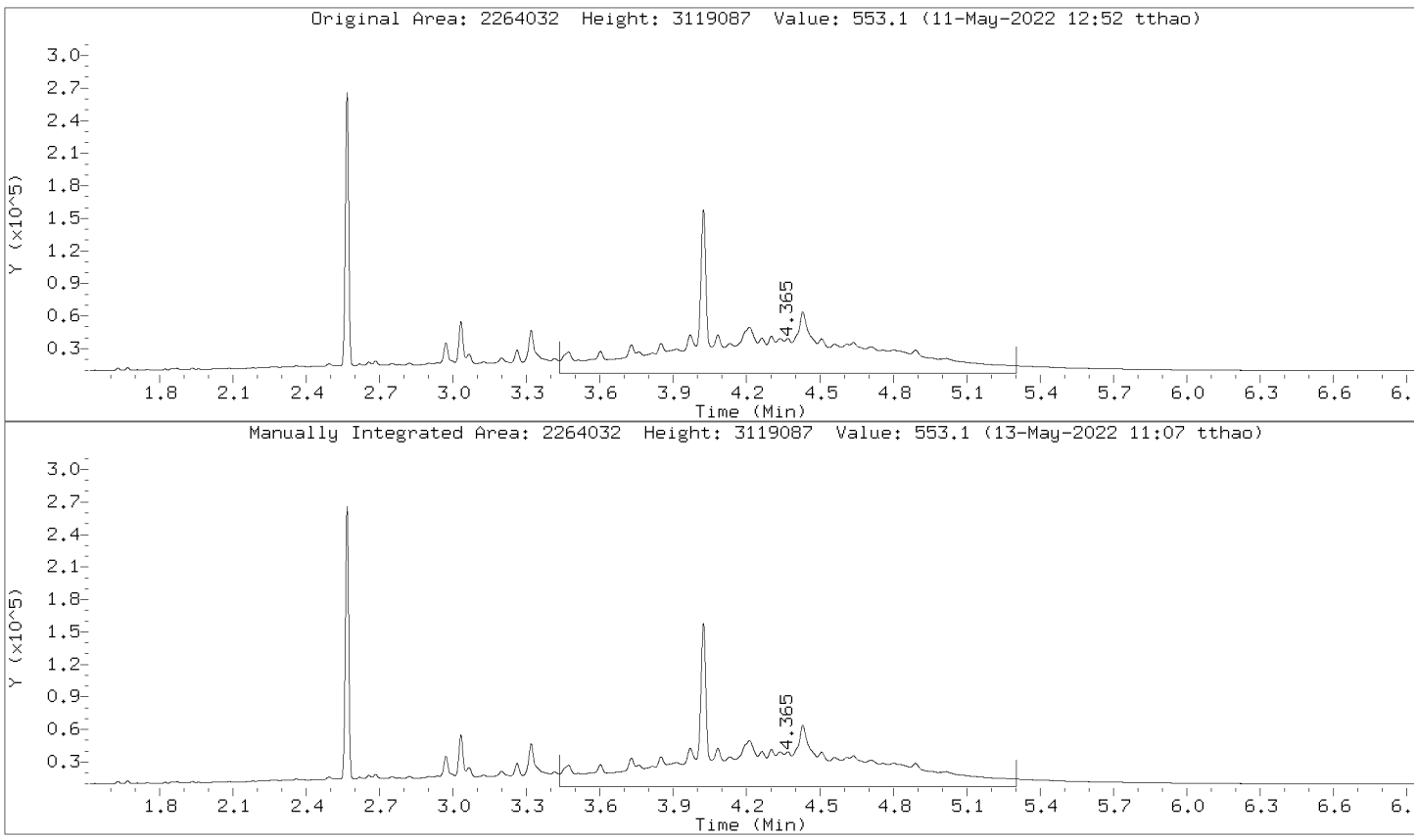
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000133.D
Injection Date: 11-MAY-2022 11:57
Instrument: 10gcsF.i
Lab Sample ID: 10606395004

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



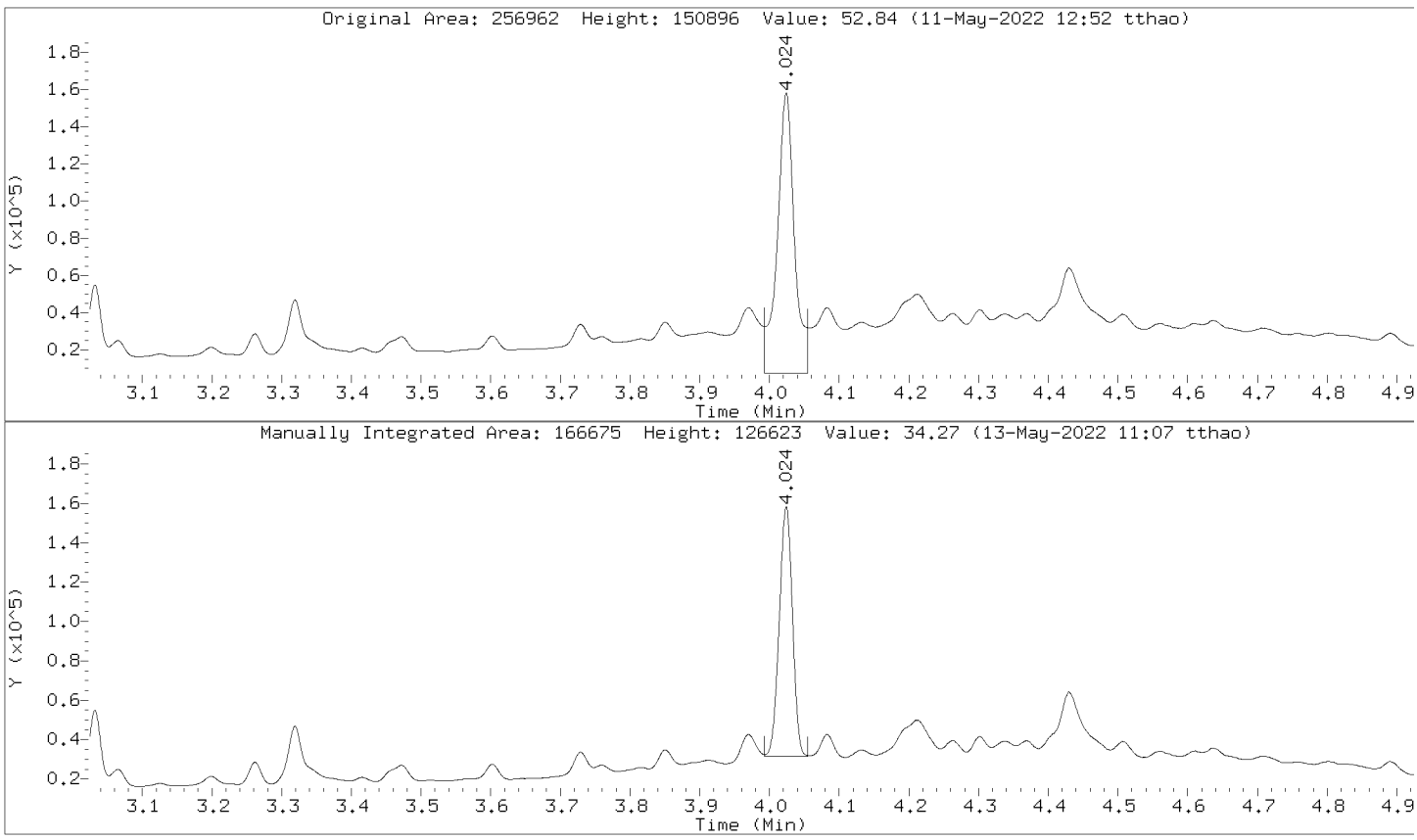
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000133.D
Injection Date: 11-MAY-2022 11:57
Instrument: 10gcsF.i
Lab Sample ID: 10606395004

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



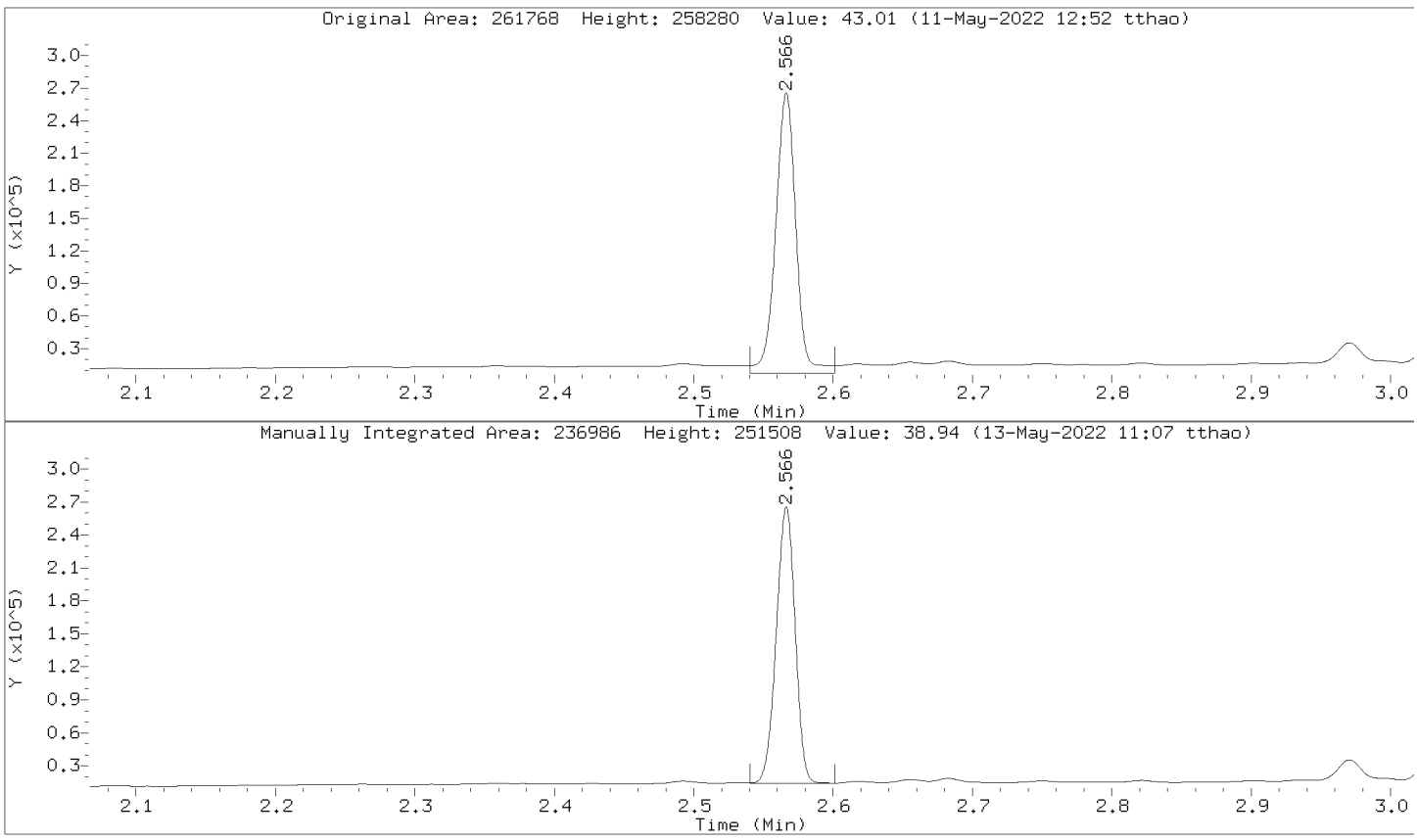
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000133.D
Injection Date: 11-MAY-2022 11:57
Instrument: 10gcsF.i
Lab Sample ID: 10606395004

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000133.D
Injection Date: 11-MAY-2022 11:57
Instrument: 10gcsF.i
Lab Sample ID: 10606395004

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	923373	923373
Motor Oil Range	2264032	2264032
Diesel Fuel Range SG	923373	923373
Motor Oil Range SG	2264032	2264032
n-Triacontane (S)	256962	166675
o-Terphenyl (S)	261768	236986

GC-FID DRO - FORM VI SVOA-1
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10GCSF GC Column: FID SDG No.: 10606395

Calibration Date(s): 04/27/2022 04/27/2022 Calibration Time(s): 13:00 14:42

LAB FILE ID

CAL1 = 042722R.B\0427R0000008.D CAL2 = 042722R.B\0427R0000009.D CAL3 = 042722R.B\0427R0000010.D
CAL4 = 042722R.B\0427R0000011.D CAL5 = 042722R.B\0427R0000012.D CAL6 = 042722R.B\0427R0000013.D
CAL7 = 042722R.B\0427R0000014.D CAL8 = 042722R.B\0427R0000015.D CAL9 = 042722R.B\0427R0000016.D
CAL10 = 042722R.B\0427R0000017.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
Diesel Fuel Range	Linear		32799.2000	15994.5600	10516.6800	7598.3000	6137.9160
Motor Oil Range	Linear		15156.0000	8573.0400	6184.1400	5184.0300	4861.4360
n-Triacontane (S)	Linear		4770.0000	5078.8000	5142.4000	5157.2000	5290.4800
o-Terphenyl (S)	Linear		6499.0000	6898.4000	6828.0000	6766.1000	6784.8000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

GC-FID DRO - FORM VI SVOA-2
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10GCSF GC Column: FID SDG No.: 10606395

Calibration Date(s): 04/27/2022 04/27/2022 Calibration Time(s): 13:00 14:42

LAB FILE ID

CAL1 = 042722R.B\0427R0000008.D CAL2 = 042722R.B\0427R0000009.D CAL3 = 042722R.B\0427R0000010.D
CAL4 = 042722R.B\0427R0000011.D CAL5 = 042722R.B\0427R0000012.D CAL6 = 042722R.B\0427R0000013.D
CAL7 = 042722R.B\0427R0000014.D CAL8 = 042722R.B\0427R0000015.D CAL9 = 042722R.B\0427R0000016.D
CAL10 = 042722R.B\0427R0000017.D

COMPOUND	CURVE TYPE	CAL7	CAL8	CAL9	CAL10
Diesel Fuel Range	Linear	5514.4620	5194.6480	5002.1655	4874.0325
Motor Oil Range	Linear	4701.7520	4563.5490	4504.7180	4426.8685
n-Triacontane (S)	Linear	5326.0000	5282.2800	5221.2450	5151.8275
o-Terphenyl (S)	Linear	6798.7200	6709.3900	6640.3250	6603.0700

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

GC-FID DRO - FORM VI SVOA-3
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10GCSF GC Column: FID SDG No.: 10606395

Calibration Date(s): 04/27/2022 04/27/2022 Calibration Time(s): 13:00 14:42

LAB FILE ID

CAL1 = 042722R.B\0427R0000008.D CAL2 = 042722R.B\0427R0000009.D CAL3 = 042722R.B\0427R0000010.D
CAL4 = 042722R.B\0427R0000011.D CAL5 = 042722R.B\0427R0000012.D CAL6 = 042722R.B\0427R0000013.D
CAL7 = 042722R.B\0427R0000014.D CAL8 = 042722R.B\0427R0000015.D CAL9 = 042722R.B\0427R0000016.D
CAL10 = 042722R.B\0427R0000017.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Diesel Fuel Range	Linear		0.99994	315322.471	4809.38081	
Motor Oil Range	Linear		0.99996	116539.639	4409.74584	
n-Triacontane (S)	Linear		0.99993	3541.89337	5160.23183	
o-Terphenyl (S)	Linear		0.99998	3963.03758	6603.23461	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

GC-FID DRO - FORM VI SVOA-1
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10GCSF GC Column: FID SDG No.: 10606395

Calibration Date(s): 05/09/2022 05/09/2022 Calibration Time(s): 15:31 17:04

LAB FILE ID

CAL2 = 050922F.B\0509F0000025.D CAL3 = 050922F.B\0509F0000026.D CAL4 = 050922F.B\0509F0000027.D
CAL5 = 050922F.B\0509F0000028.D CAL6 = 050922F.B\0509F0000029.D CAL7 = 050922F.B\0509F0000030.D
CAL8 = 050922F.B\0509F0000031.D CAL9 = 050922F.B\0509F0000032.D CAL10 = 050922F.B\0509F0000033.D

COMPOUND	CURVE TYPE	CAL2	CAL3	CAL4	CAL5	CAL6	CAL7
Diesel Fuel Range	Linear	26626.5000	13684.0800	8972.0000	6745.3200	5367.3880	4932.6900
Motor Oil Range	Linear	13188.4000	8188.1600	5792.1400	4949.4600	4343.8560	4130.8680
n-Triacontane (S)	Averaged	4905.0000	5039.2000	4954.2000	4885.7000	4837.3600	4838.6400
o-Terphenyl (S)	Averaged	6519.0000	6256.4000	6082.2000	6043.5000	5907.1200	5904.8600

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

GC-FID DRO - FORM VI SVOA-2
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10GCSF GC Column: FID SDG No.: 10606395

Calibration Date(s): 05/09/2022 05/09/2022 Calibration Time(s): 15:31 17:04

LAB FILE ID

CAL2 = 050922F.B\0509F0000025.D CAL3 = 050922F.B\0509F0000026.D CAL4 = 050922F.B\0509F0000027.D

CAL5 = 050922F.B\0509F0000028.D CAL6 = 050922F.B\0509F0000029.D CAL7 = 050922F.B\0509F0000030.D

CAL8 = 050922F.B\0509F0000031.D CAL9 = 050922F.B\0509F0000032.D CAL10 = 050922F.B\0509F0000033.D

COMPOUND	CURVE TYPE	CAL8	CAL9	CAL10
Diesel Fuel Range	Linear	4693.5700	4485.2455	4385.1072
Motor Oil Range	Linear	3996.9180	4002.9135	3903.8372
n-Triacontane (S)	Averaged	4833.5200	4746.1350	4728.6100
o-Terphenyl (S)	Averaged	5888.9700	6091.3050	6077.4225

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

GC-FID DRO - FORM VI SVOA-3
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10GCSF GC Column: FID SDG No.: 10606395

Calibration Date(s): 05/09/2022 05/09/2022 Calibration Time(s): 15:31 17:04

LAB FILE ID

CAL2 = 050922F.B\0509F0000025.D CAL3 = 050922F.B\0509F0000026.D CAL4 = 050922F.B\0509F0000027.D

CAL5 = 050922F.B\0509F0000028.D CAL6 = 050922F.B\0509F0000029.D CAL7 = 050922F.B\0509F0000030.D

CAL8 = 050922F.B\0509F0000031.D CAL9 = 050922F.B\0509F0000032.D CAL10 = 050922F.B\0509F0000033.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Diesel Fuel Range	Linear		0.99993	263699.280	4331.55482	
Motor Oil Range	Linear		0.99992	114634.240	3888.96343	
n-Triacontane (S)	Averaged	1.99736			4863.15167	
o-Terphenyl (S)	Averaged	3.29707			6085.64194	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

Pace Analytical Services, Inc.

AK 102/AK 103

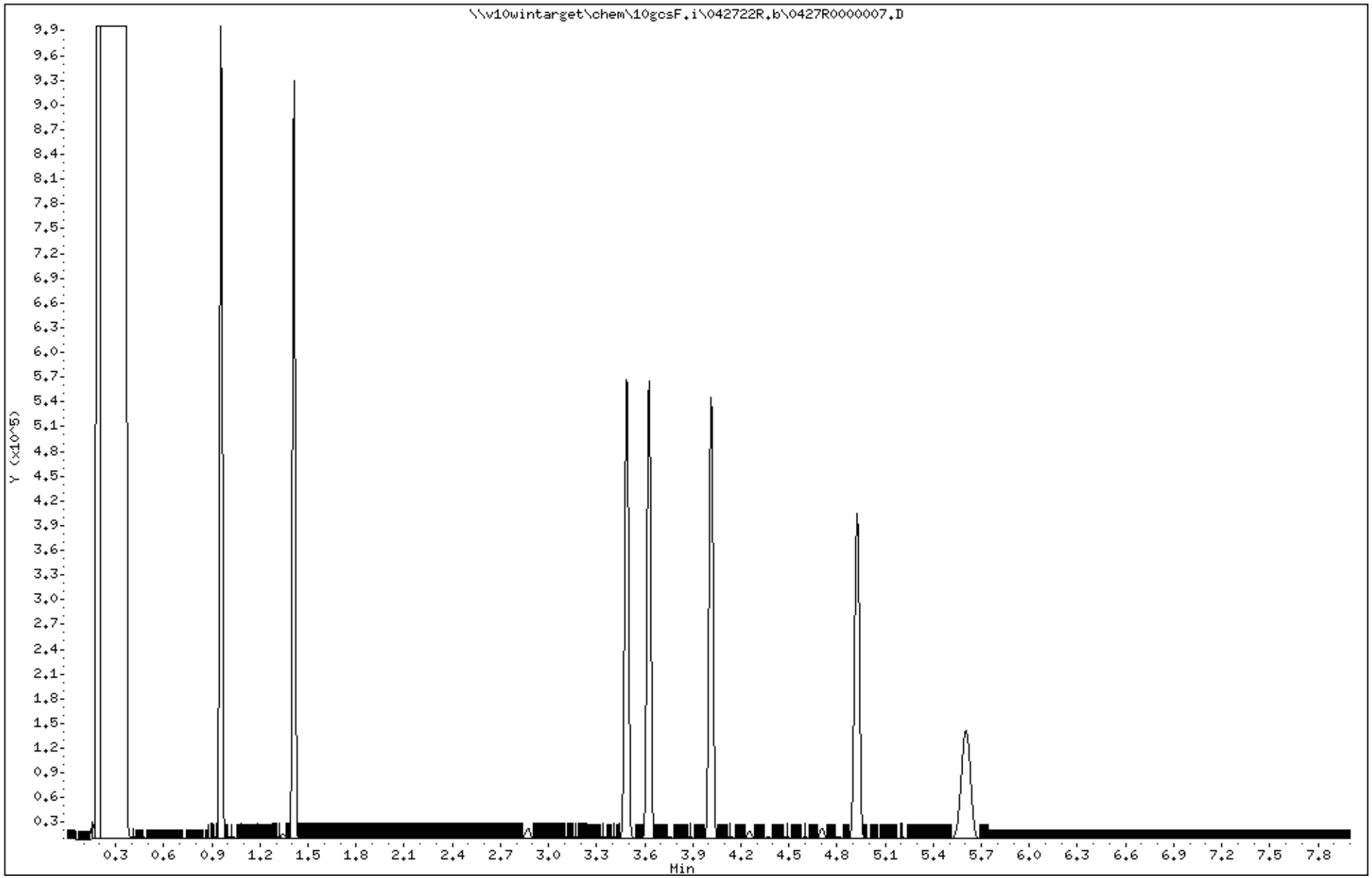
Data file : \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000007.D
Lab Smp Id: DMO-RTM,362403:2 Client Smp ID: DMO-RTM,362403:2
Inj Date : 27-APR-2022 12:49
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-rtm,362403:2
Misc Info : 39205
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\042722R.b\GCSFakNW8015-042722_3920
Meth Date : 27-Apr-2022 16:06 ebearrood Quant Type: ESTD
Cal Date : 27-APR-2022 14:42 Cal File: 0427R0000017.D
Als bottle: 77
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/mL)	REVIEW CODE
S 1 DRO by AK 102							CAS #:
	0.885		- 3.540	2305153	338.845	339	
$ 2 o-Terphenyl (S)							CAS #:
Compound Not Detected.							
$ 3 n-Triacontane (S)							CAS #:
Compound Not Detected.							
S 4 Residual Range Organics AK103							CAS #:
	3.541		- 5.020	2128603	578.081	578	
S 5 TPH-DRO (C10-C28)							CAS #:
	0.885		- 4.099	3703303	503.789	504	
S 6 Motor Oil Range (C24-C36)							CAS #:
	3.400		- 5.020	2815723	742.120	742	
S 7 C10-C36							CAS #:
	0.885		- 5.020	4433757	858.994	859	
S 8 Diesel Fuel Range							CAS #:
	1.340		- 3.580	1622920	271.885	272	
S 9 Diesel Fuel Range SG							CAS #:
	1.340		- 3.580	1622920	271.885	272	
S 10 Motor Oil Range							CAS #:
	3.581		- 5.740	2620070	567.727	568	

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/mL)	REVIEW CODE
S 11 Motor Oil Range SG					CAS #:	
3.581	- 5.740		2620070	567.727	568	

Data File: \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000007.D
Date : 27-APR-2022 12:49
Client ID: DMO-RTM,362403:2
Sample Info: DMO-RTM,362403:2

Instrument: 10gcsF.i
Operator: EB3
Column phase: DB-5-US21430033
Column diameter: 0.32



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54 of 777
10606395

Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000007.D
Injection Date: 27-APR-2022 12:49
Instrument: 10gcsF.i
Lab Sample ID: DMO-RTM,362403:2
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000008.D
Lab Smp Id: DMO-CAL1,362369:2 Client Smp ID: DMO-CAL1,362369:2
Inj Date : 27-APR-2022 13:00
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-cal1,362369:2
Misc Info : 39205
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\042722R.b\GCSFakNW8015-042722_3920
Meth Date : 27-Apr-2022 16:06 ebearrood Quant Type: ESTD
Cal Date : 27-APR-2022 14:42 Cal File: 0427R0000017.D
Als bottle: 78 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.885	- 3.540		347320	6.00000		(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.684	2.685	-0.001	3754	0.60000		(MH)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.193	4.193	0.000	2820	0.60000		(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.541	- 5.020		104920	6.00000		(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.885	- 4.099		387621	6.00000		(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.400	- 5.020		119128	6.00000		(M)	RNG
S 7 C10-C36					CAS #:		
0.885	- 5.020		452378	12.0000		(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.340	- 3.580		308284	6.00000		(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.340	- 3.580		308284	6.00000		(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.581	- 5.740		132846	6.00000	3.70	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.581	- 5.740		132846	6.00000	3.70	(M)	RNG

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Review Codes Legend

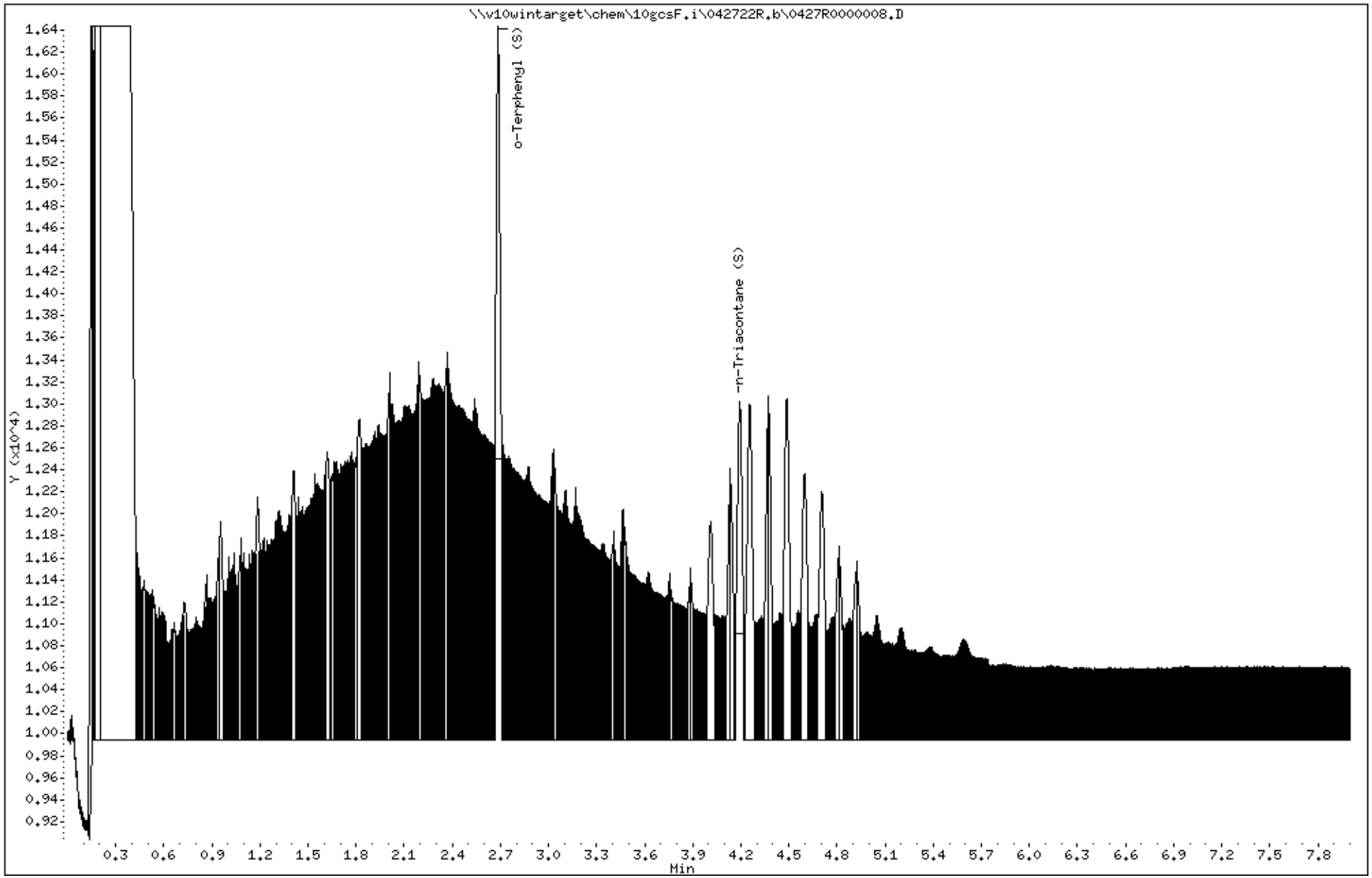
RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000008.D
Date : 27-APR-2022 13:00
Client ID: DMO-CAL1,362369:2
Sample Info: DMO-CAL1,362369:2

Column phase: DB-5-US21430033

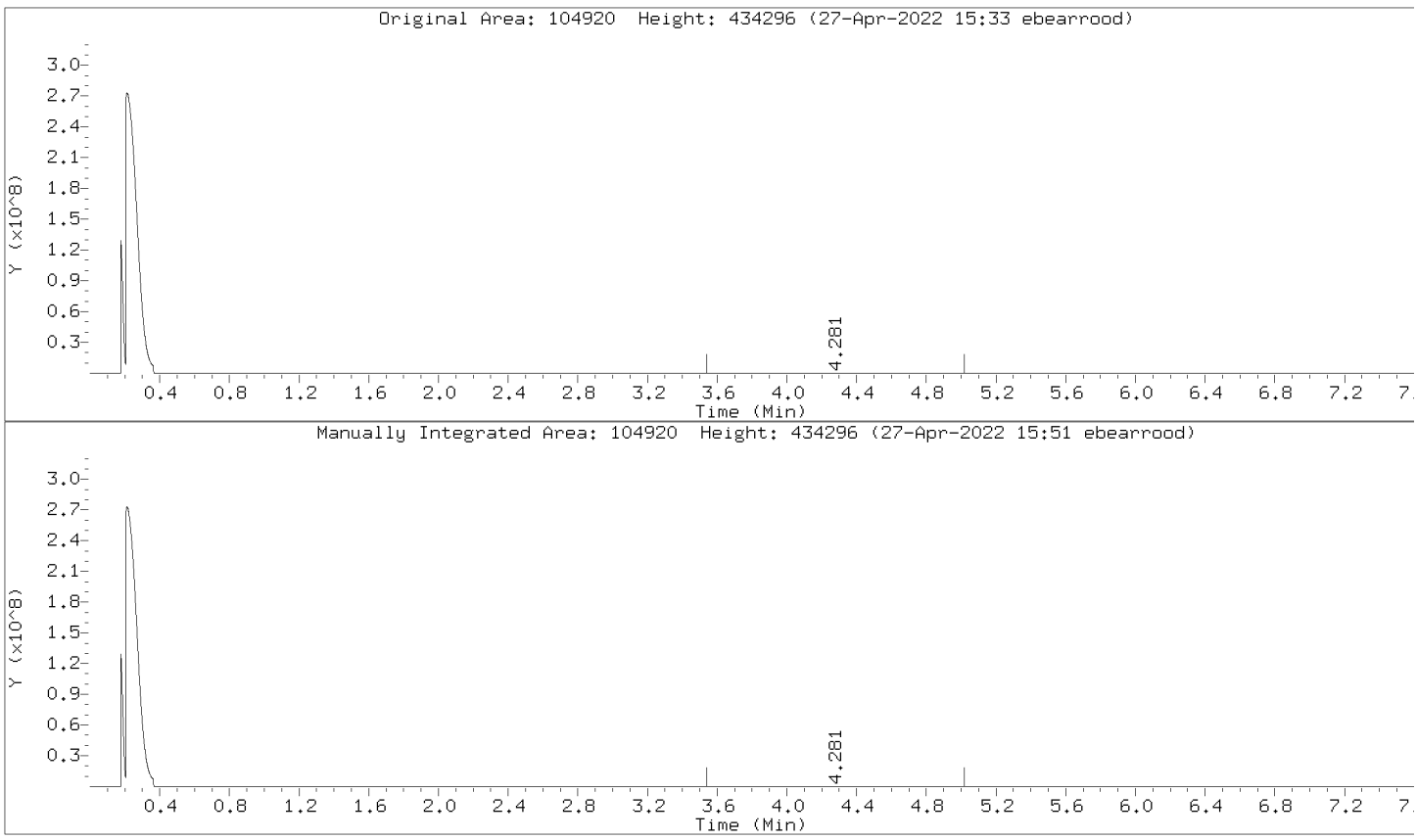
Instrument: 10gcsF.i

Operator: EB3
Column diameter: 0.32



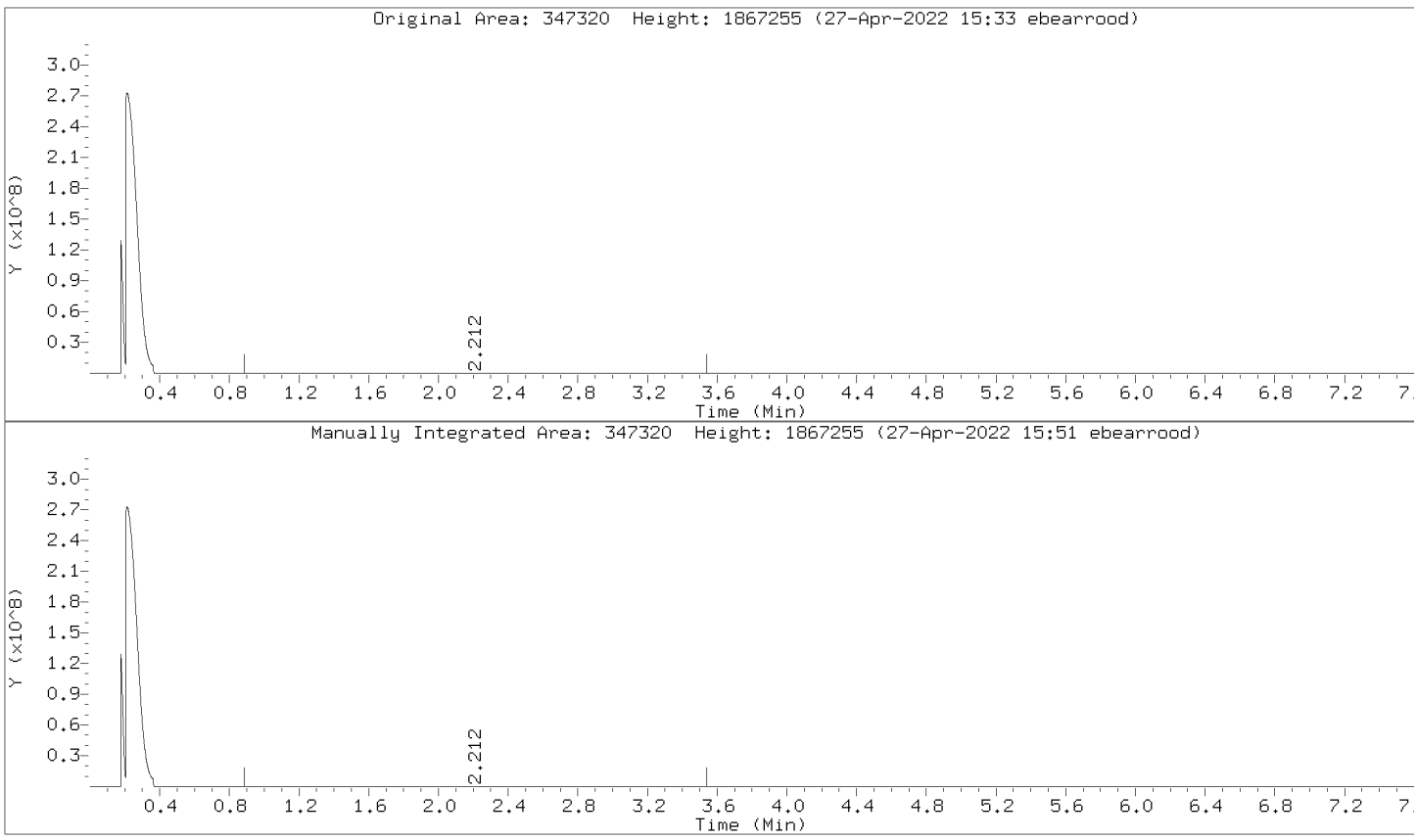
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000008.D
Injection Date: 27-APR-2022 13:00
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL1,362369:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



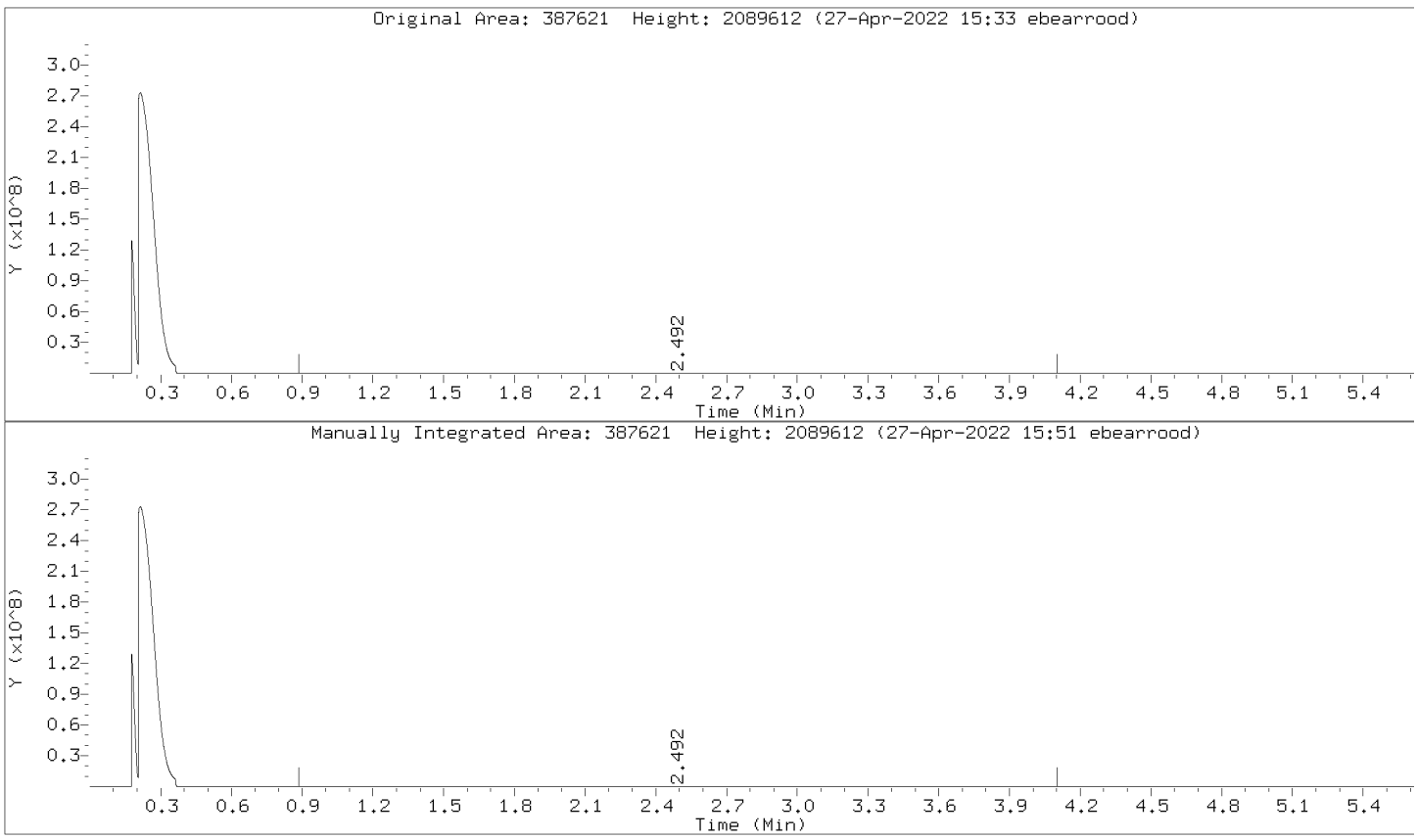
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000008.D
Injection Date: 27-APR-2022 13:00
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL1,362369:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



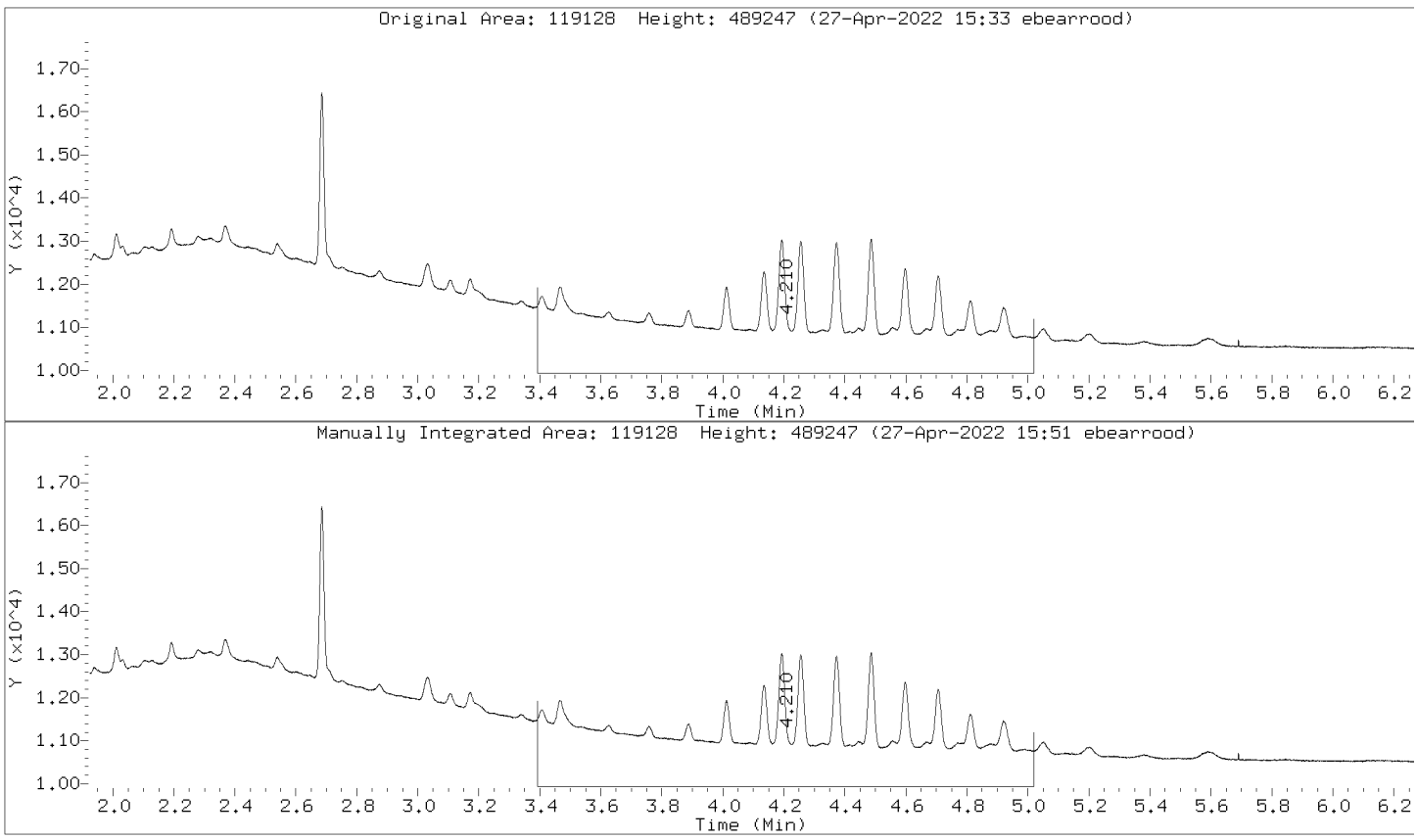
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000008.D
Injection Date: 27-APR-2022 13:00
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL1,362369:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



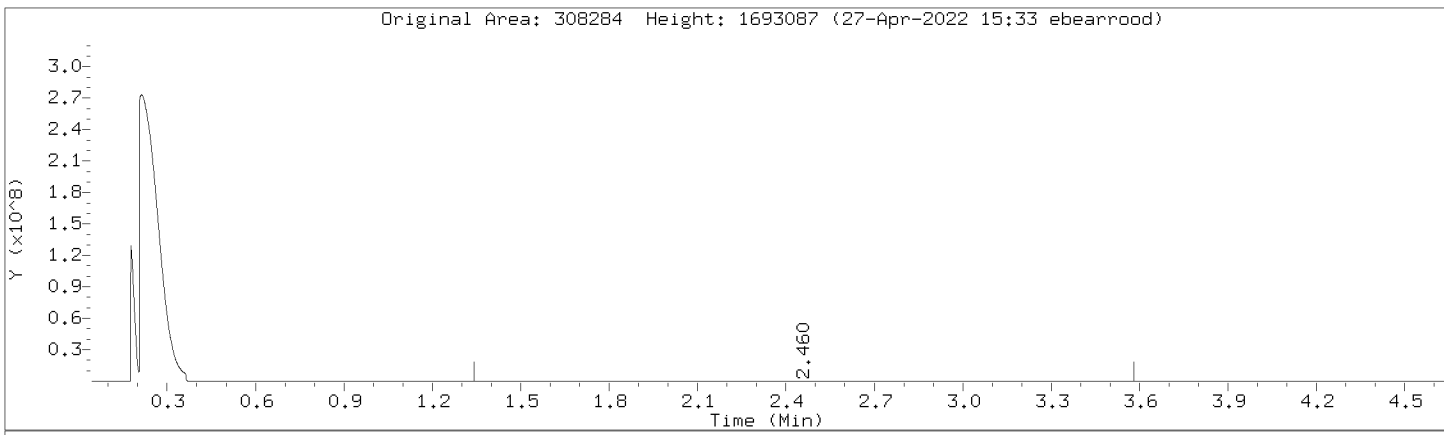
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000008.D
Injection Date: 27-APR-2022 13:00
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL1,362369:2

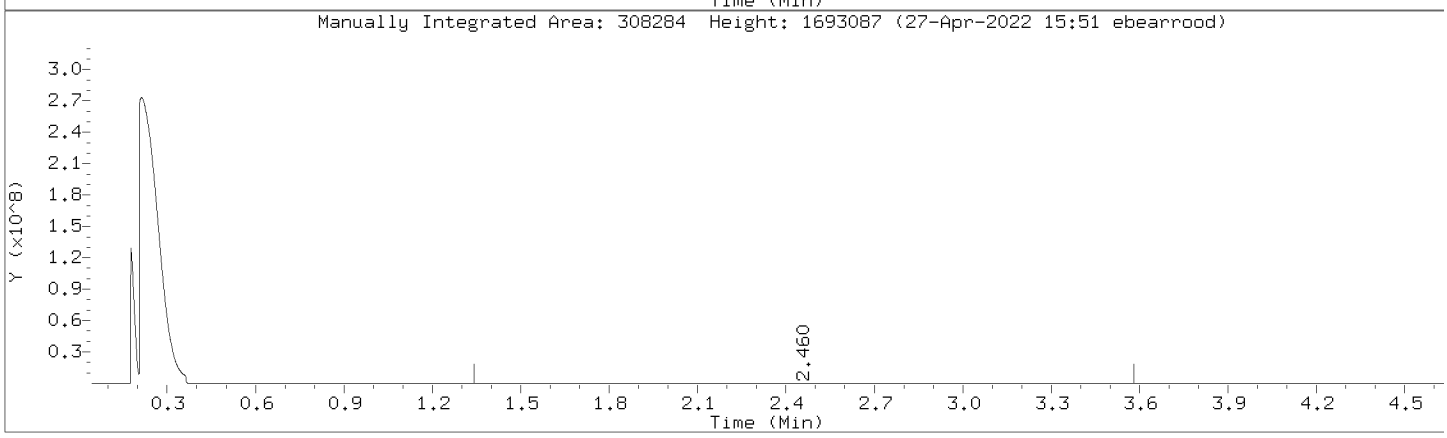
Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000008.D
Injection Date: 27-APR-2022 13:00
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL1,362369:2

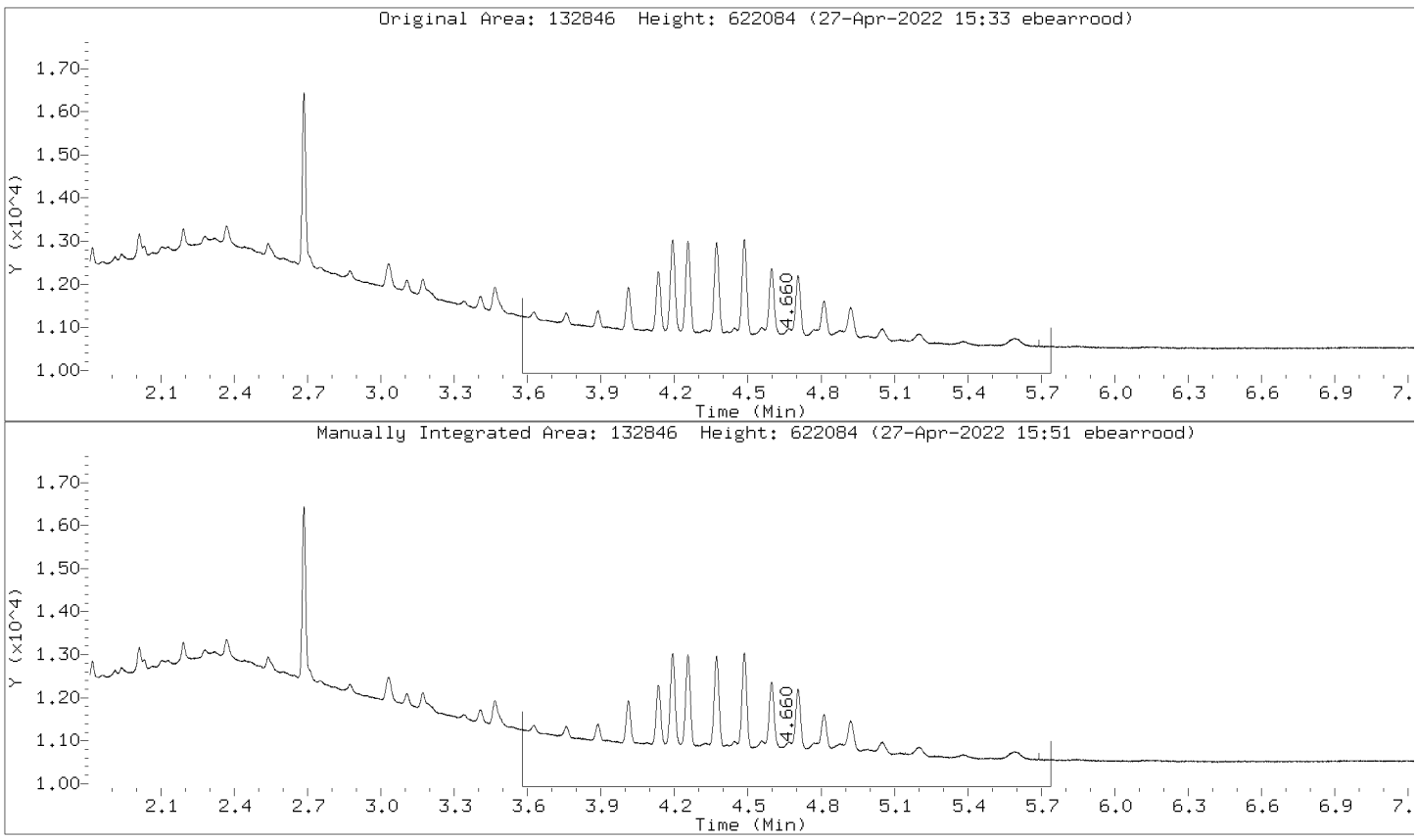
Compound: Diesel Fuel Range Review Code: RNG
CAS Number:





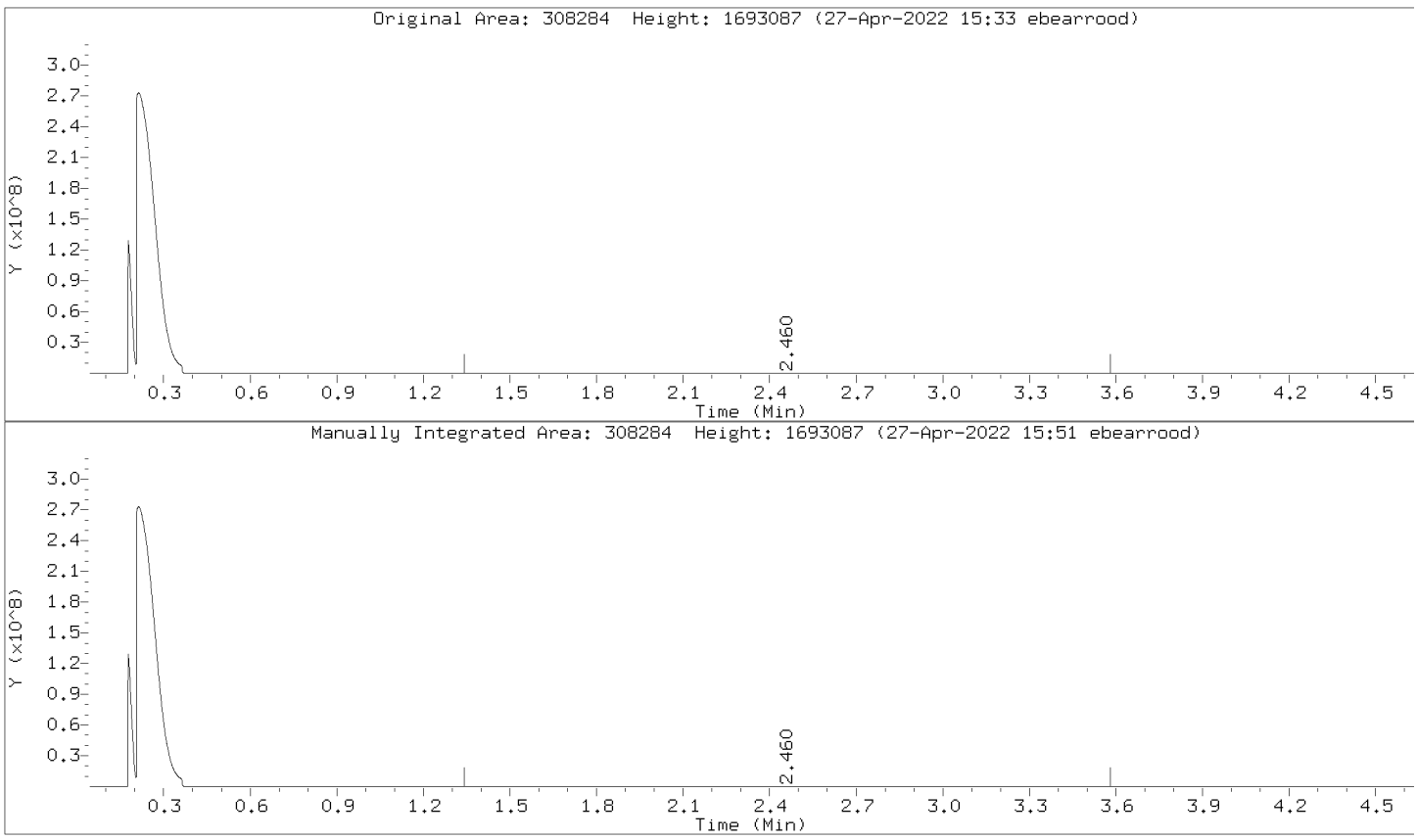
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000008.D
Injection Date: 27-APR-2022 13:00
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL1,362369:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



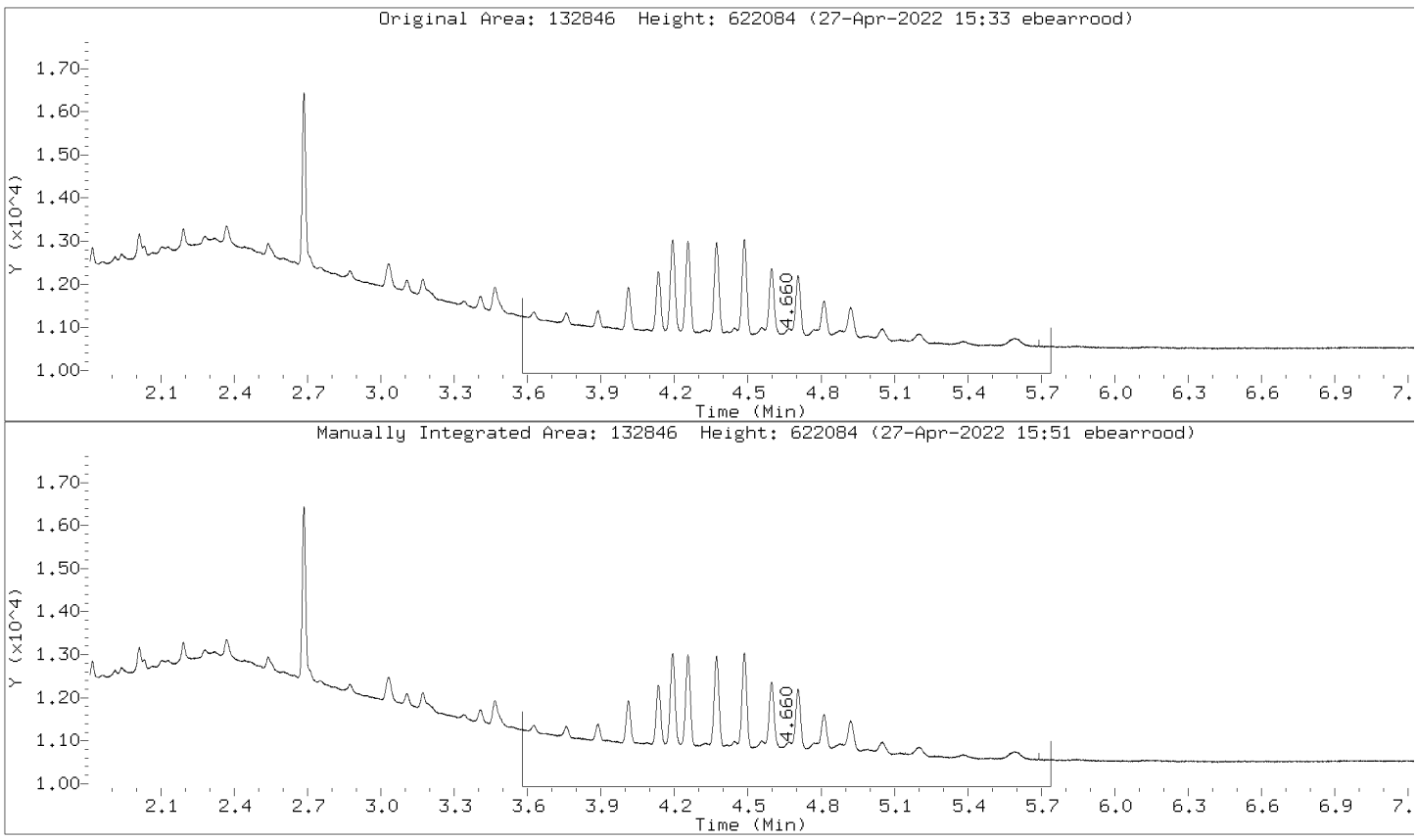
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000008.D
Injection Date: 27-APR-2022 13:00
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL1,362369:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



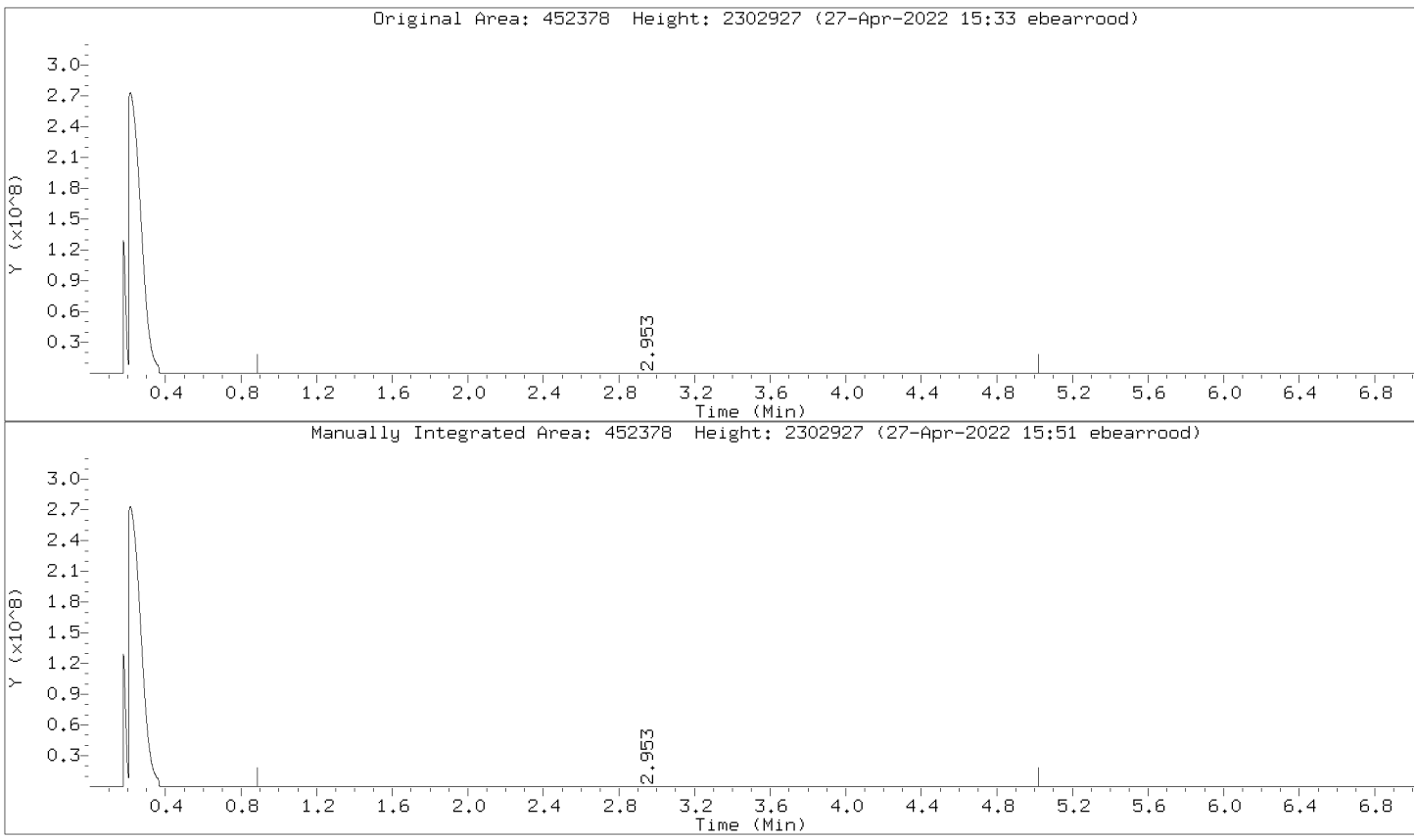
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000008.D
Injection Date: 27-APR-2022 13:00
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL1,362369:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



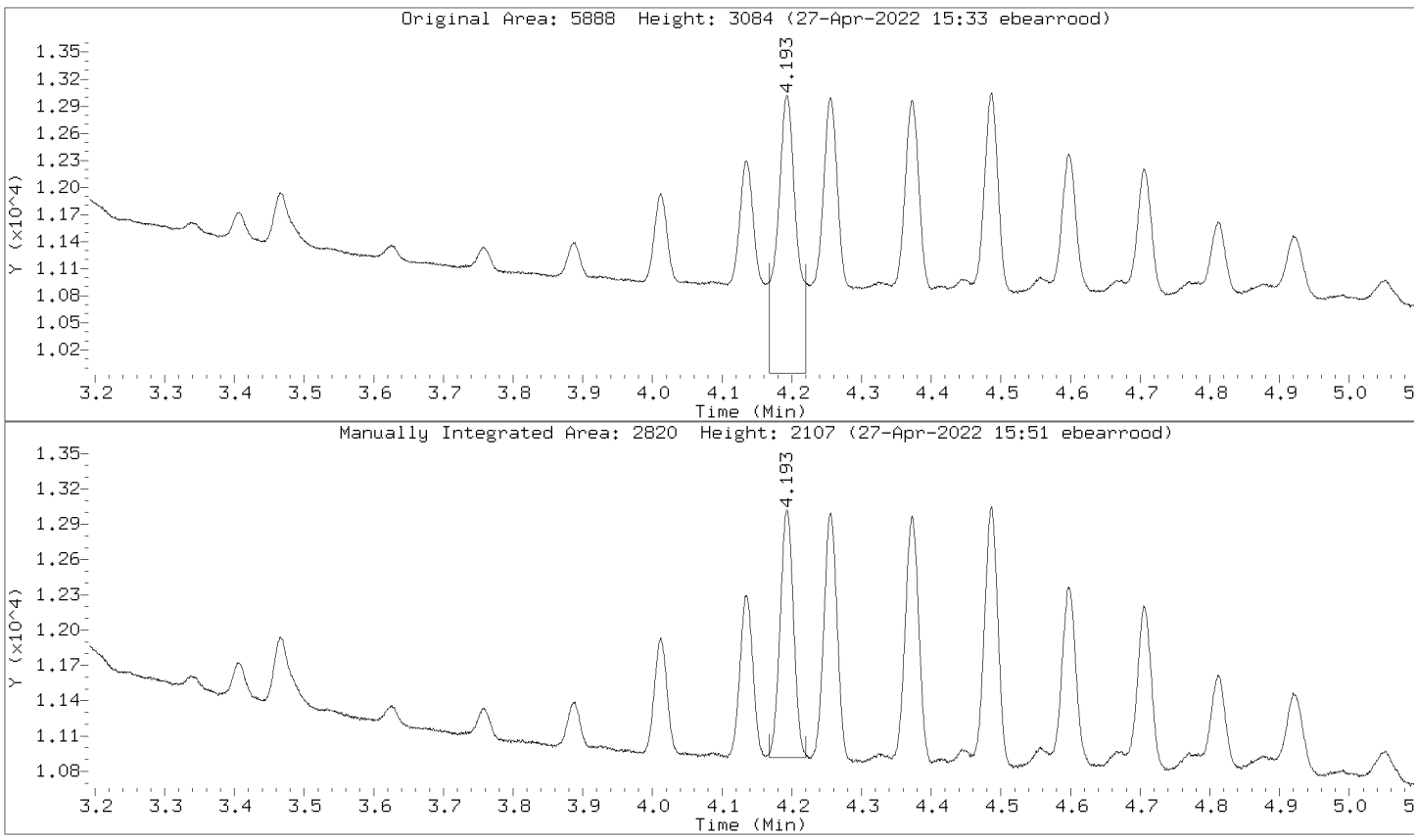
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000008.D
Injection Date: 27-APR-2022 13:00
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL1,362369:2

Compound: C10-C36 Review Code: RNG
CAS Number:



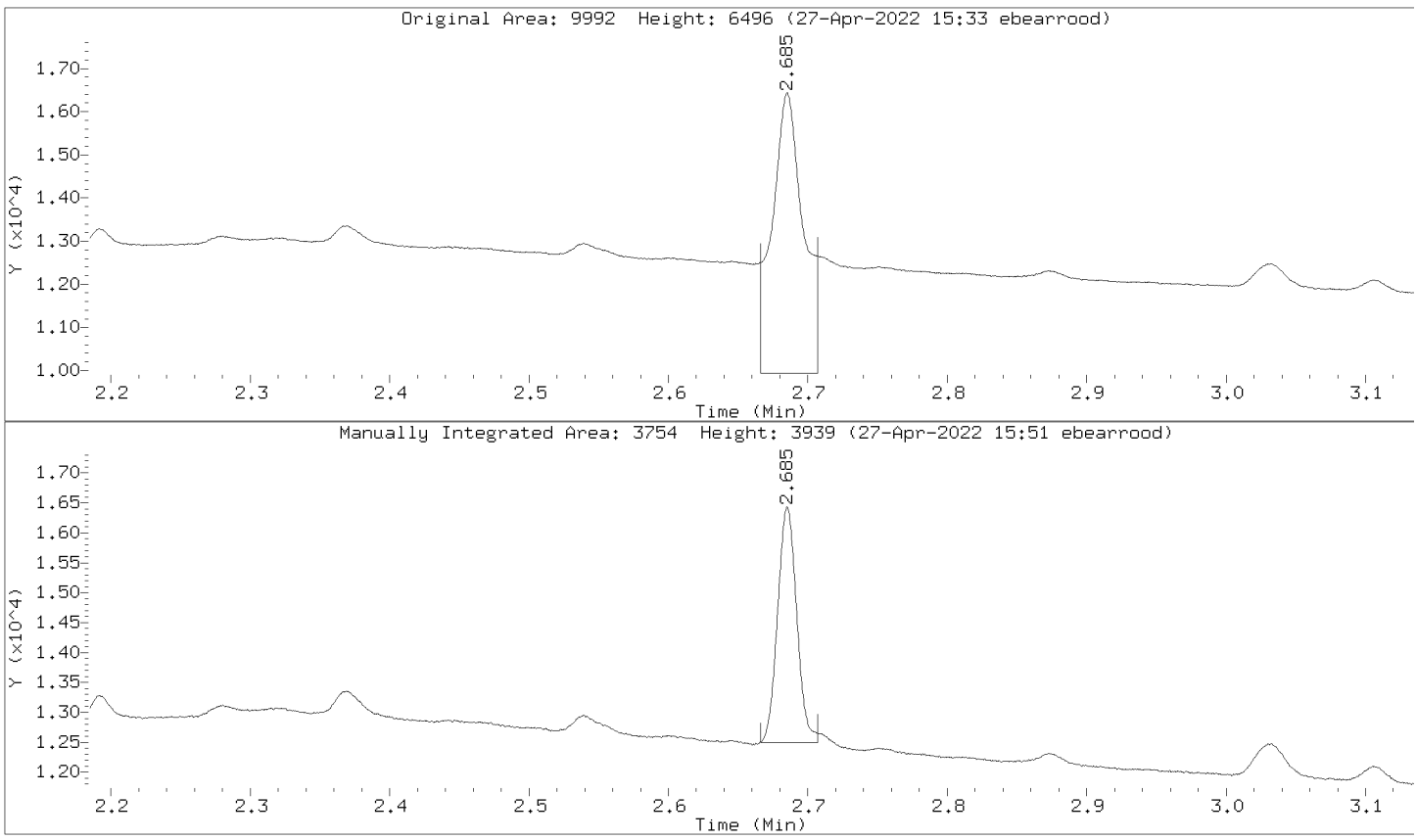
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000008.D
Injection Date: 27-APR-2022 13:00
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL1,362369:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000008.D
Injection Date: 27-APR-2022 13:00
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL1,362369:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000009.D
Lab Smp Id: DMO-CAL2,362370:2 Client Smp ID: DMO-CAL2,362370:2
Inj Date : 27-APR-2022 13:11
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-cal2,362370:2
Misc Info : 39205
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\042722R.b\GCSFakNW8015-042722_3920
Meth Date : 27-Apr-2022 16:06 ebearrood Quant Type: ESTD
Cal Date : 27-APR-2022 14:42 Cal File: 0427R0000017.D
Als bottle: 79 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.885	- 3.540		371077	10.0000	0.708	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.684	2.685	-0.001	6499	1.00000	0.384	(MH)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.193	4.193	0.000	4770	1.00000	0.238	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.541	- 5.020		121697	10.0000	3.10	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.885	- 4.099		414945	10.0000	0.851	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.400	- 5.020		136931	10.0000	2.46	(M)	RNG
S 7 C10-C36					CAS #:		
0.885	- 5.020		493035	20.0000	3.26	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.340	- 3.580		327992	10.0000	2.63	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.340	- 3.580		327992	10.0000	2.63	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.581	- 5.740		151560	10.0000	7.94	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.581	- 5.740		151560	10.0000	7.94	(M)	RNG

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

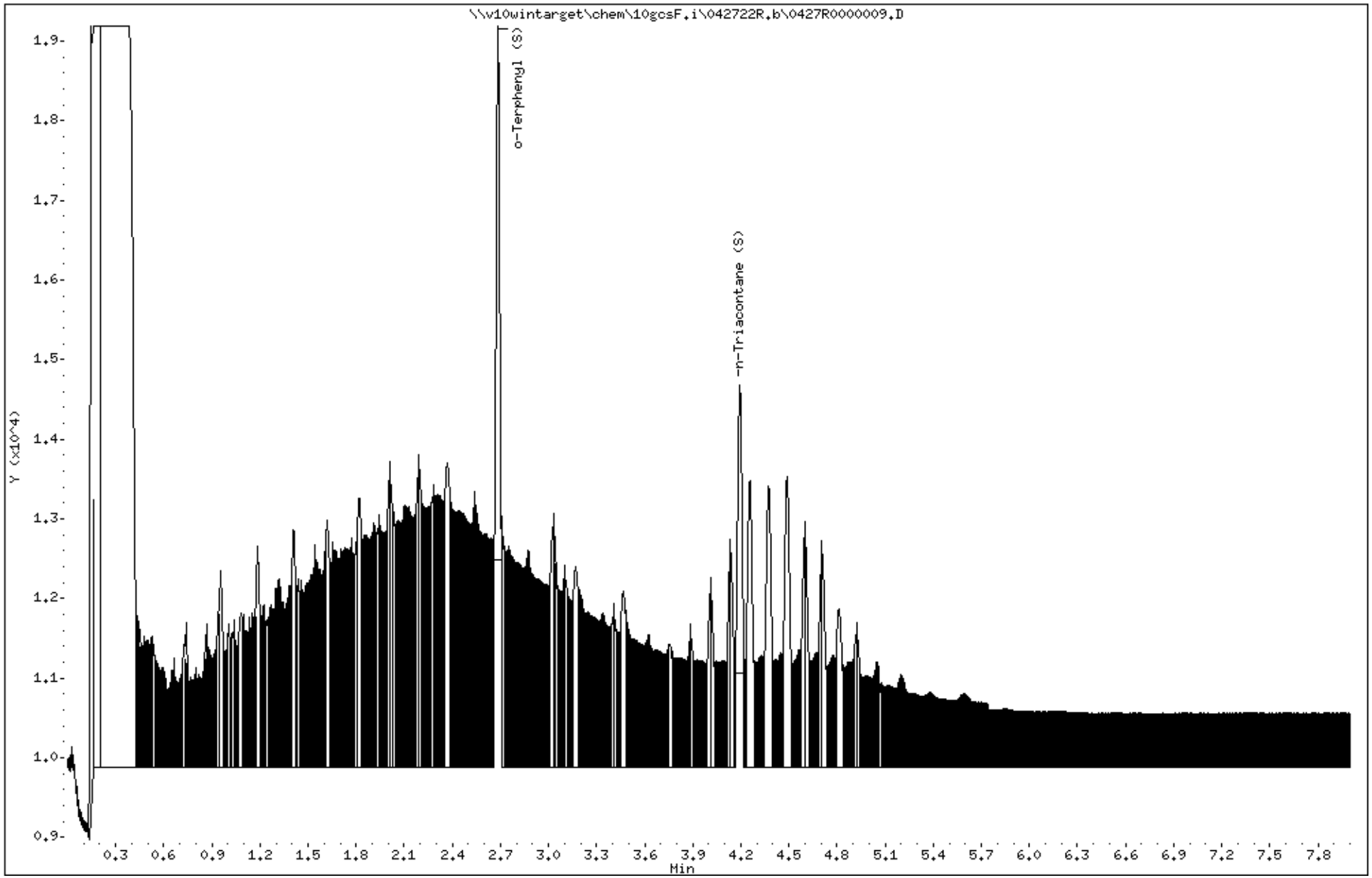
Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000009.D
Date : 27-APR-2022 13:11
Client ID: DMO-CAL2,362370:2
Sample Info: DMO-CAL2,362370:2

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32

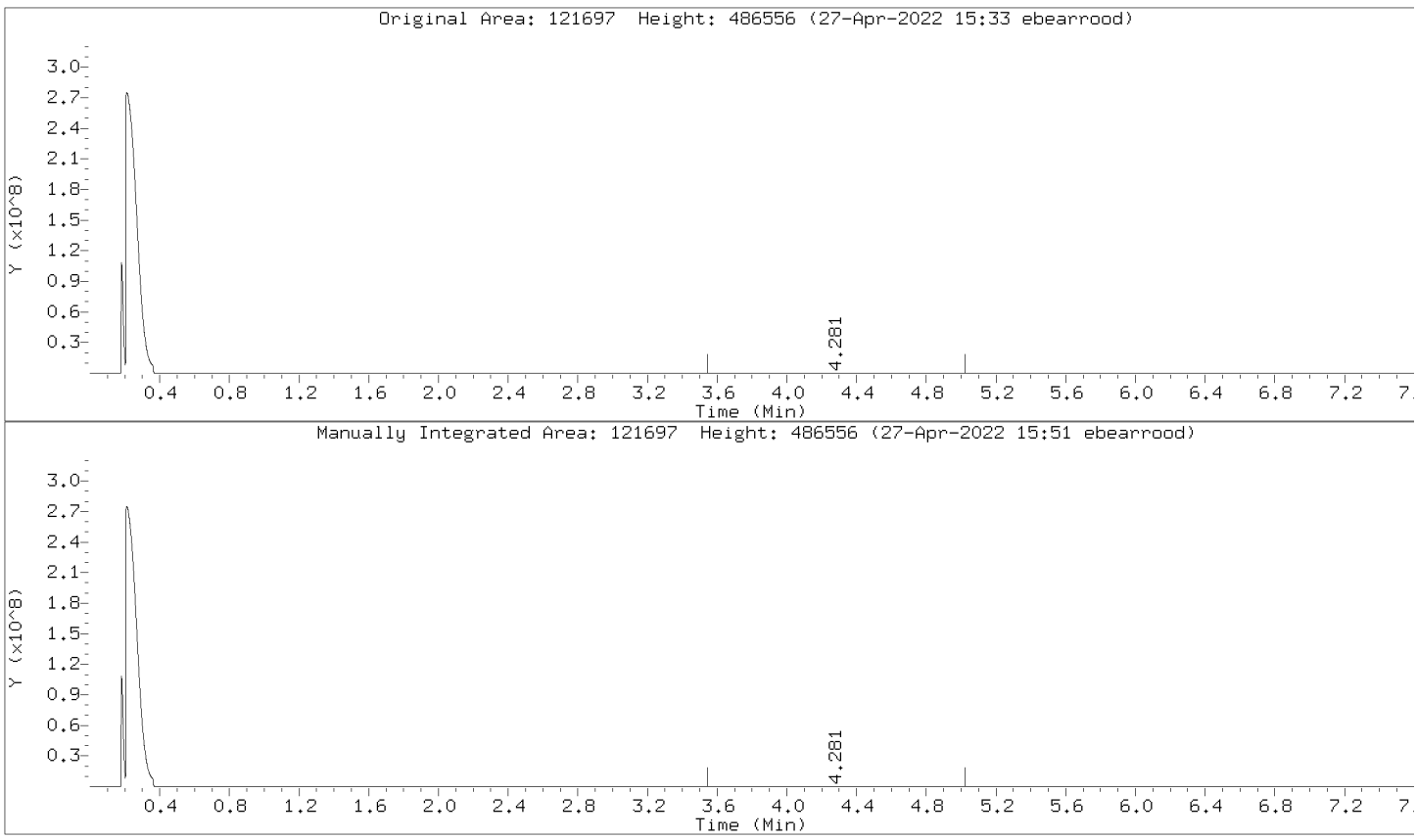
Column phase: DB-5-US21430033



144 of 1320
72 of 777
10606395

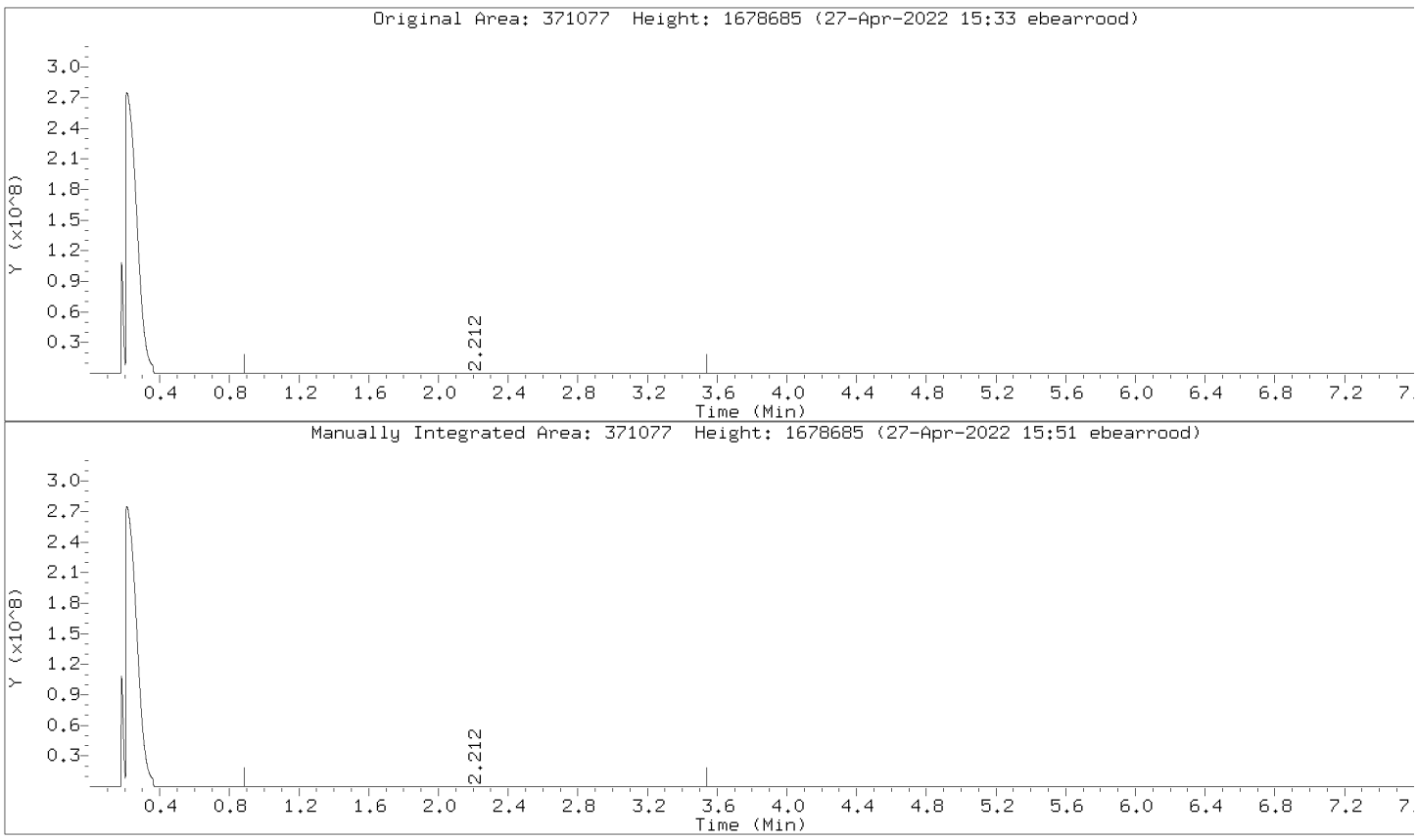
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000009.D
Injection Date: 27-APR-2022 13:11
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,362370:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



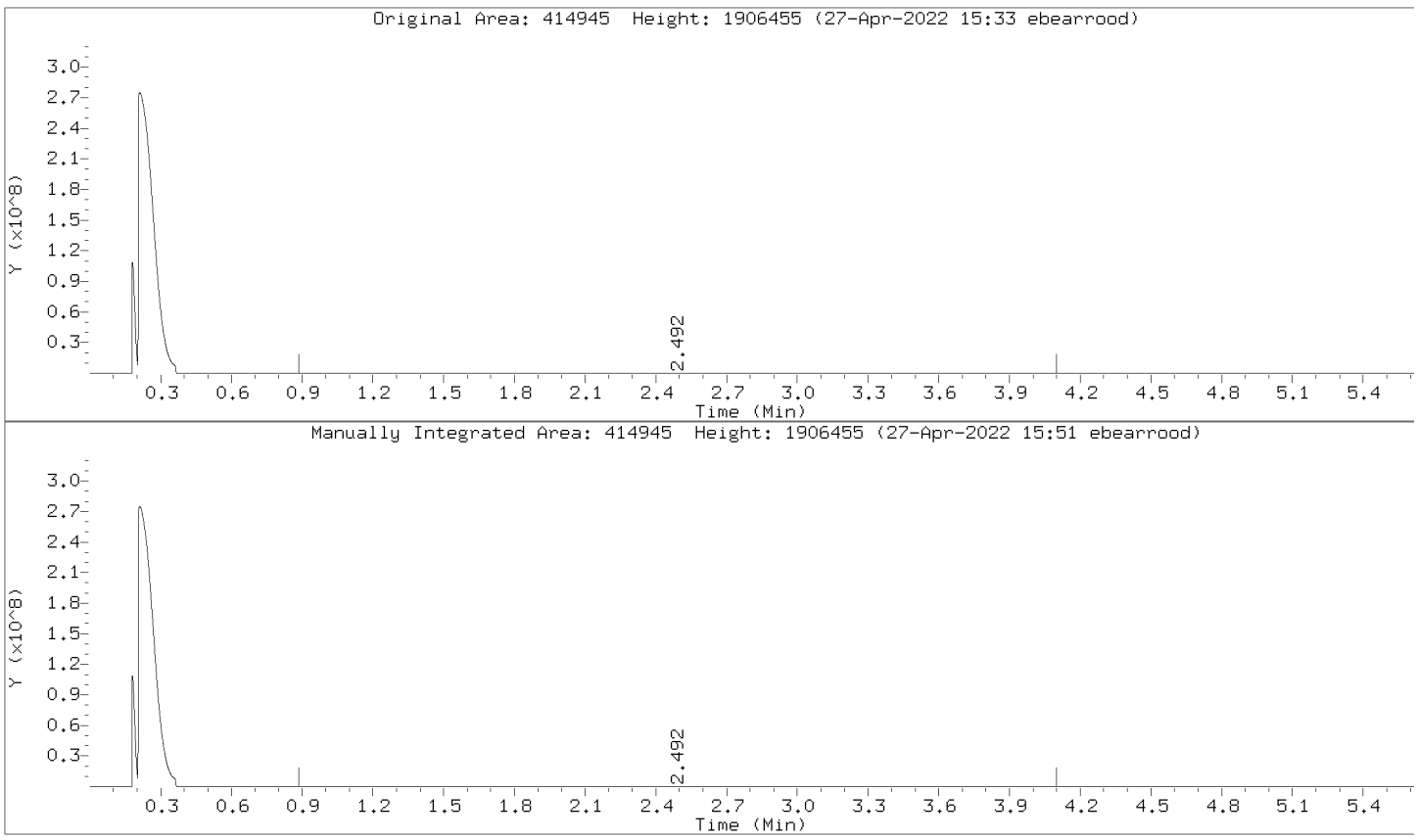
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000009.D
Injection Date: 27-APR-2022 13:11
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,362370:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



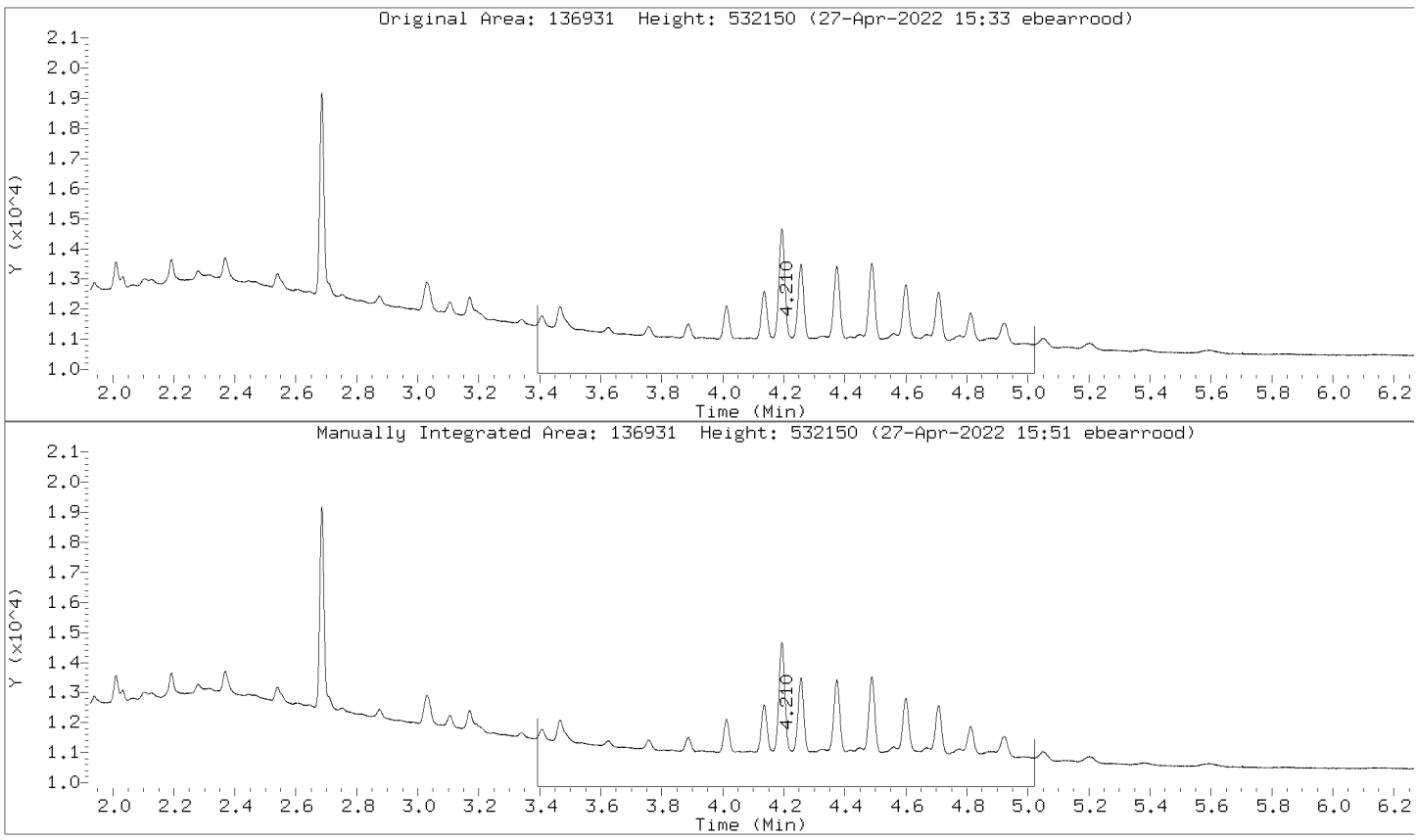
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000009.D
Injection Date: 27-APR-2022 13:11
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,362370:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



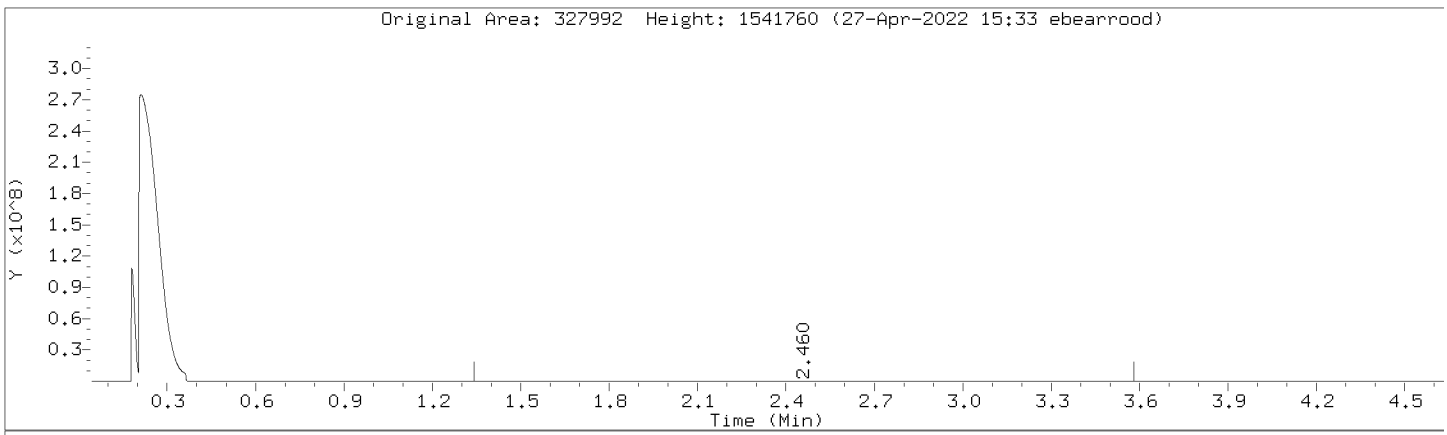
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000009.D
Injection Date: 27-APR-2022 13:11
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,362370:2

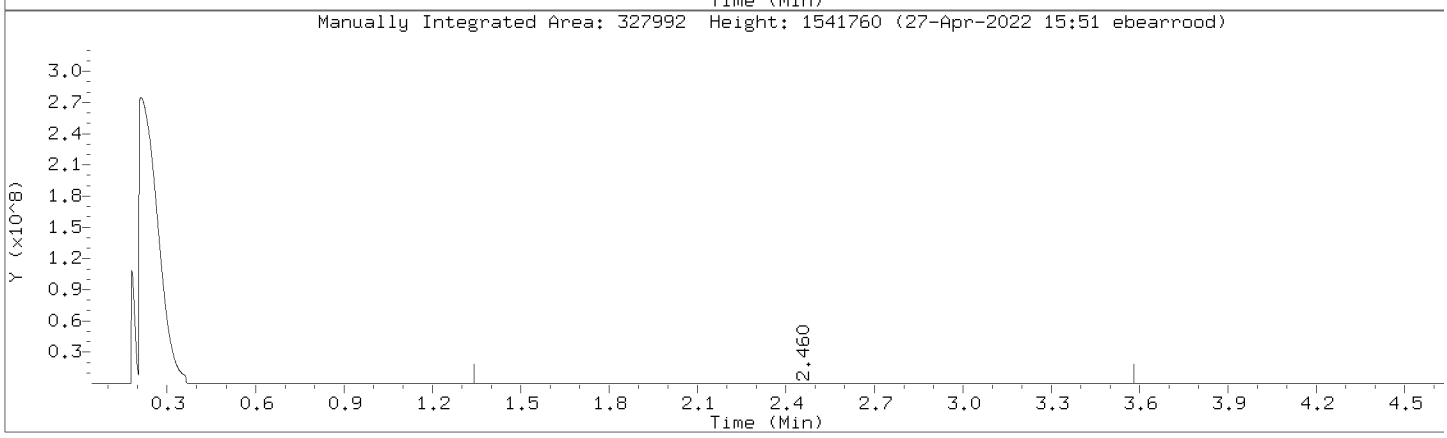
Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000009.D
Injection Date: 27-APR-2022 13:11
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,362370:2

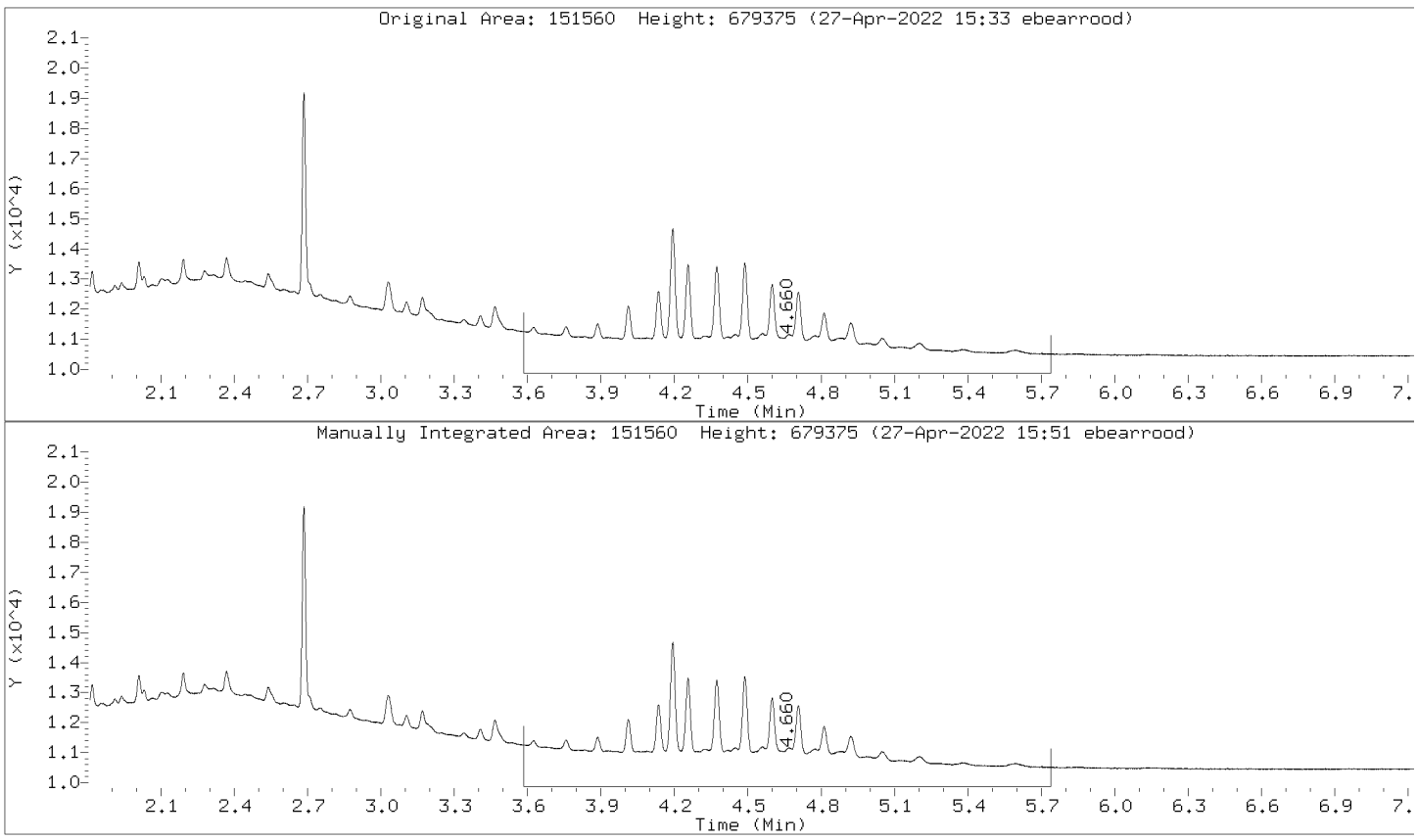
Compound: Diesel Fuel Range Review Code: RNG
CAS Number:





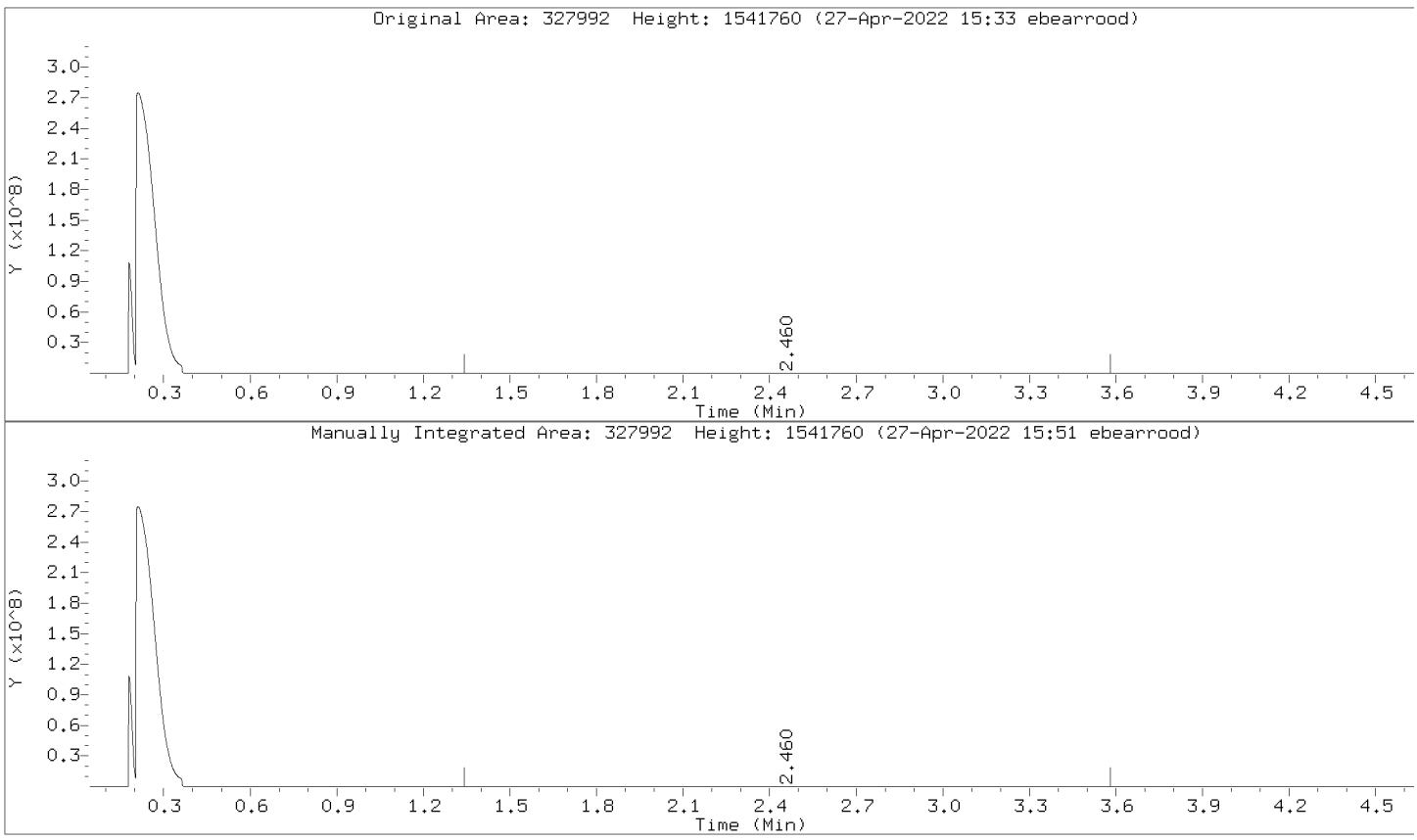
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000009.D
Injection Date: 27-APR-2022 13:11
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,362370:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



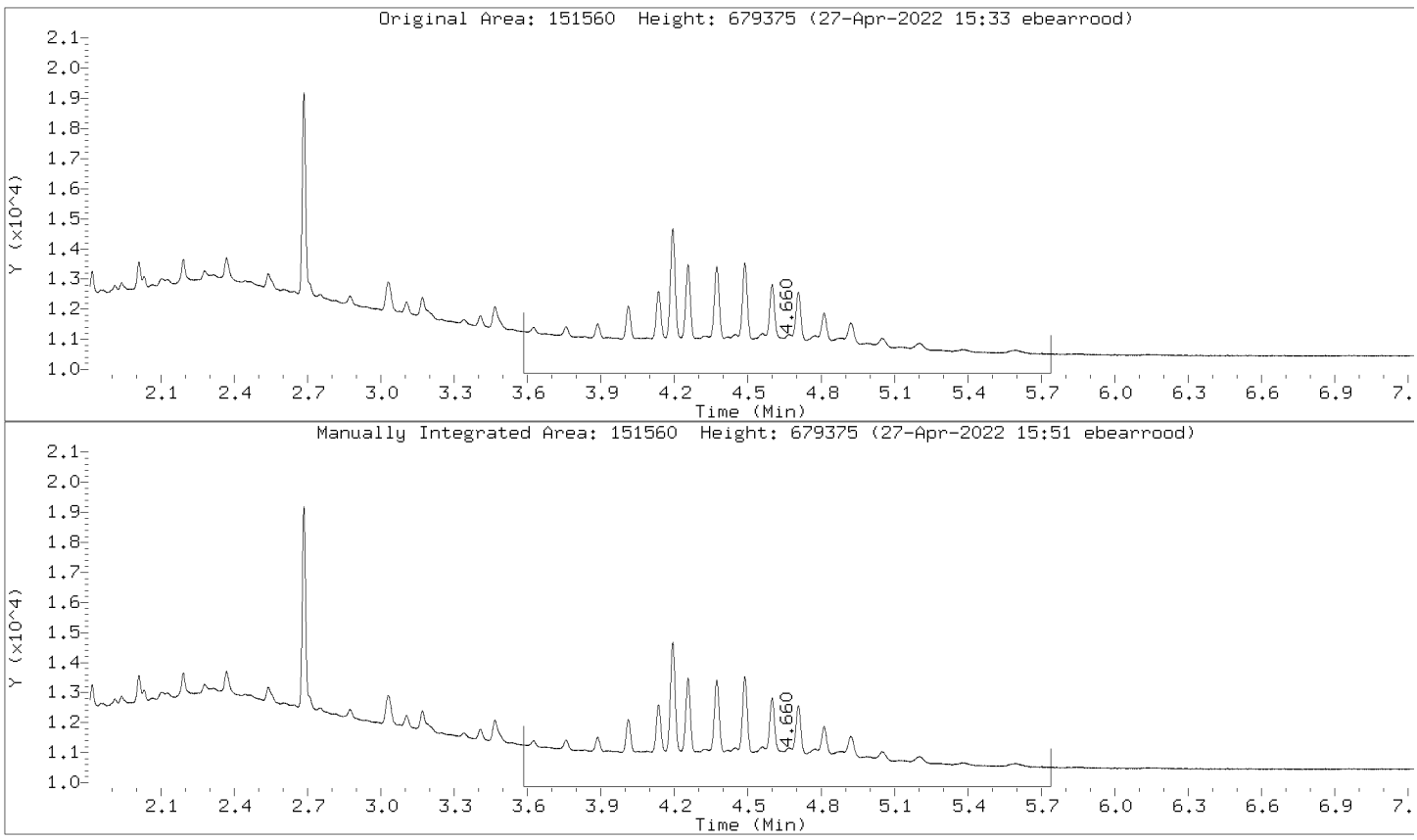
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000009.D
Injection Date: 27-APR-2022 13:11
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,362370:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



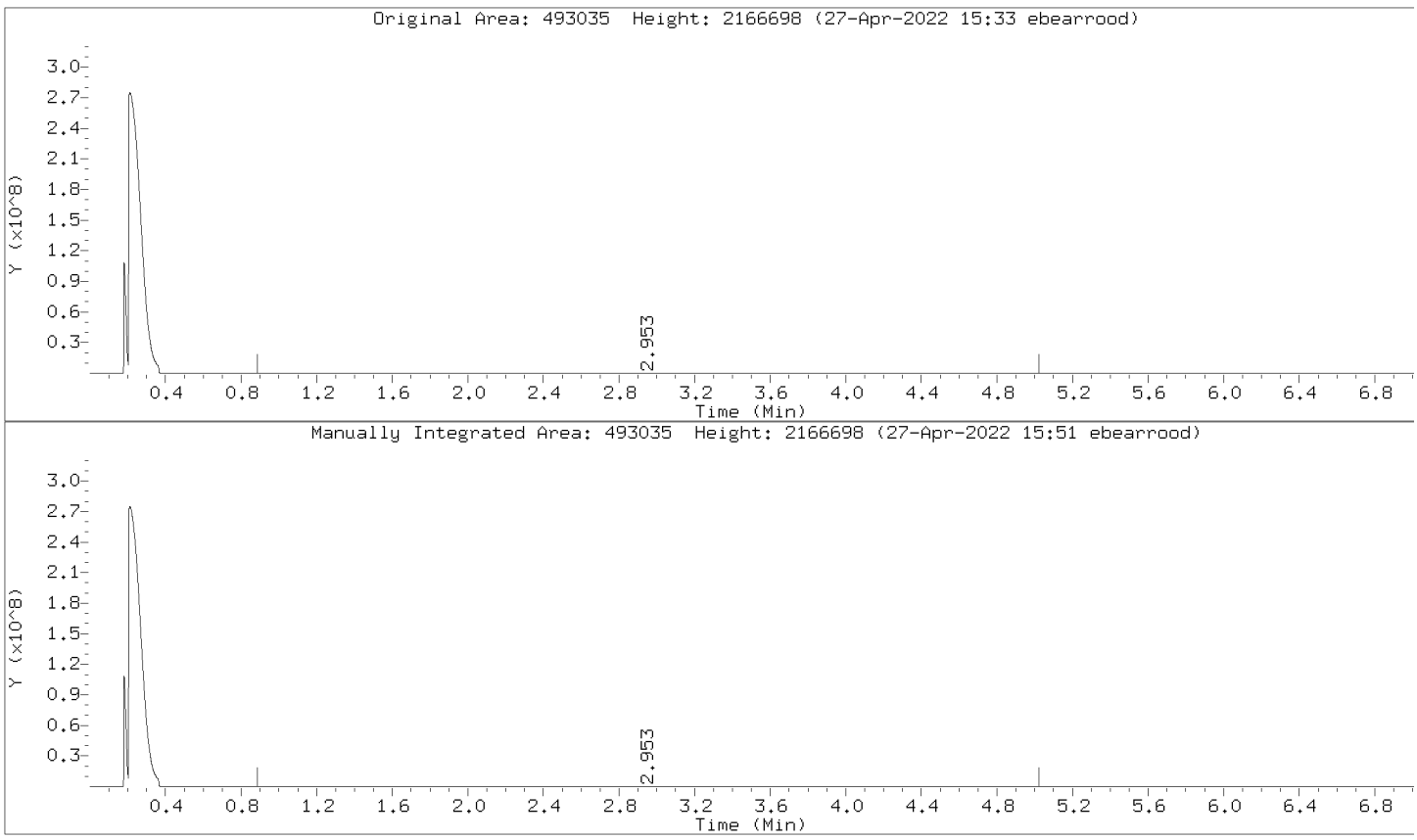
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000009.D
Injection Date: 27-APR-2022 13:11
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,362370:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



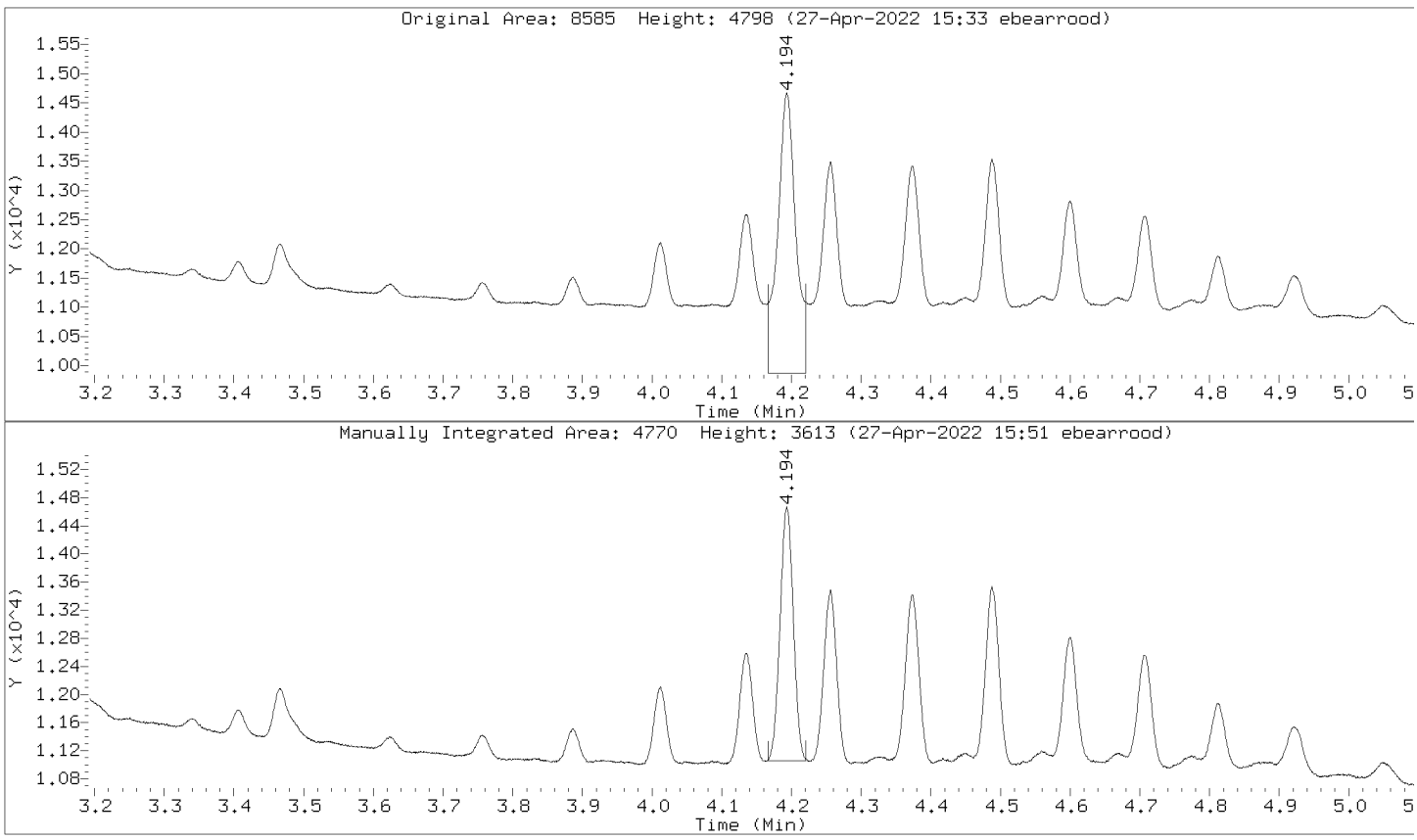
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000009.D
Injection Date: 27-APR-2022 13:11
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,362370:2

Compound: C10-C36 Review Code: RNG
CAS Number:



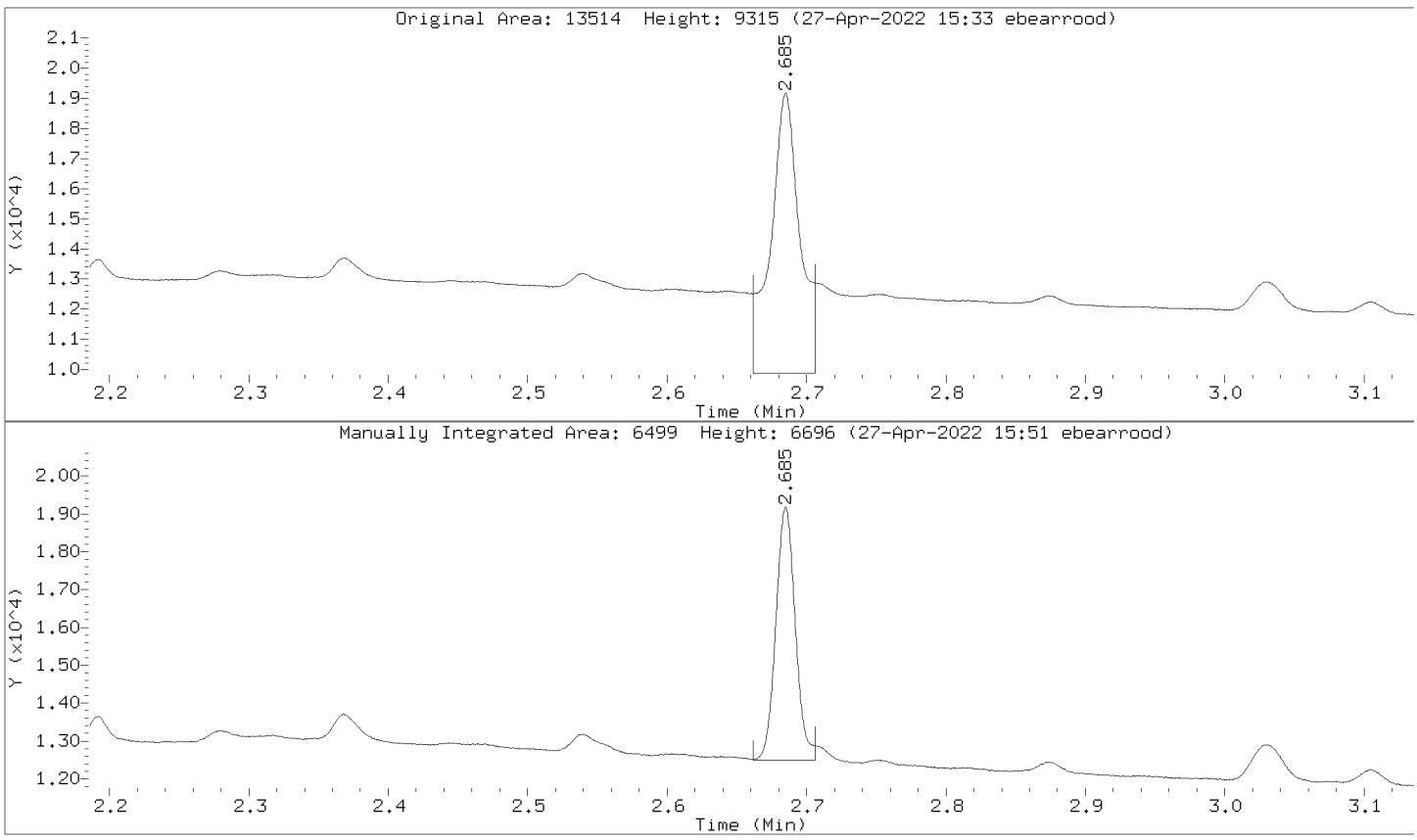
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000009.D
Injection Date: 27-APR-2022 13:11
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,362370:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000009.D
Injection Date: 27-APR-2022 13:11
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,362370:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000010.D
Lab Smp Id: DMO-CAL3,362371:2 Client Smp ID: DMO-CAL3,362371:2
Inj Date : 27-APR-2022 13:23
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-cal3,362371:2
Misc Info : 39205
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\042722R.b\GCSFakNW8015-042722_3920
Meth Date : 27-Apr-2022 16:06 ebearrood Quant Type: ESTD
Cal Date : 27-APR-2022 14:42 Cal File: 0427R0000017.D
Als bottle: 80 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.885	- 3.540		458652	25.0000	16.0	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.684	2.685	-0.001	17246	2.50000	2.01	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.191	4.193	-0.002	12697	2.50000	1.77	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.541	- 5.020		175114	25.0000	18.4	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.885	- 4.099		514803	25.0000	16.1	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.400	- 5.020		191130	25.0000	17.4	(M)	RNG
S 7 C10-C36					CAS #:		
0.885	- 5.020		633766	50.0000	33.8	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.340	- 3.580		399864	25.0000	17.6	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.340	- 3.580		399864	25.0000	17.6	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.581	- 5.740		214326	25.0000	22.2	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.581	- 5.740		214326	25.0000	22.2	(M)	RNG

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

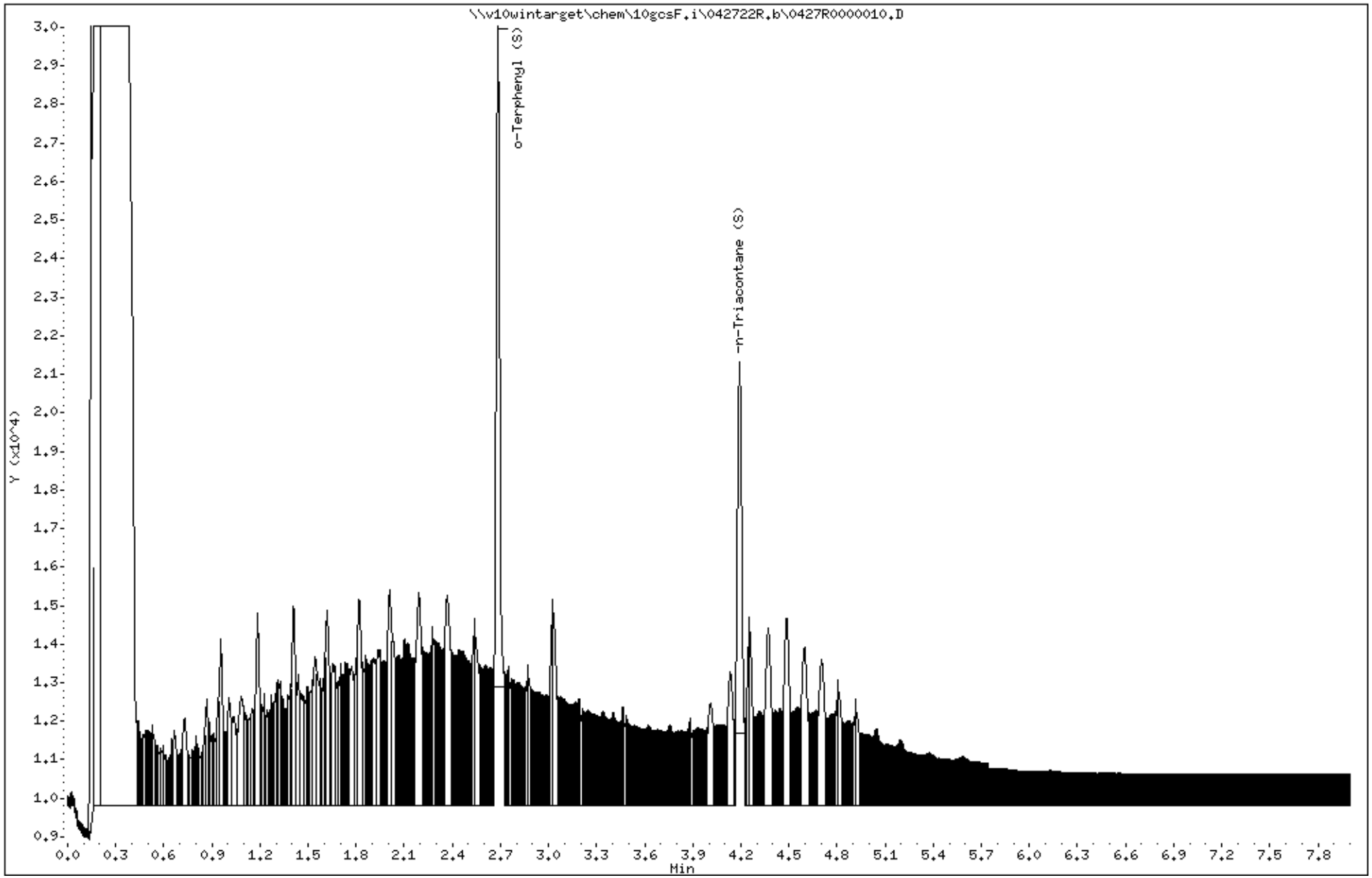
RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000010.D
Date : 27-APR-2022 13:23
Client ID: DMO-CAL3,362371:2
Sample Info: DMO-CAL3,362371:2

Column phase: DB-5-US21430033

Instrument: 10gcsF.i

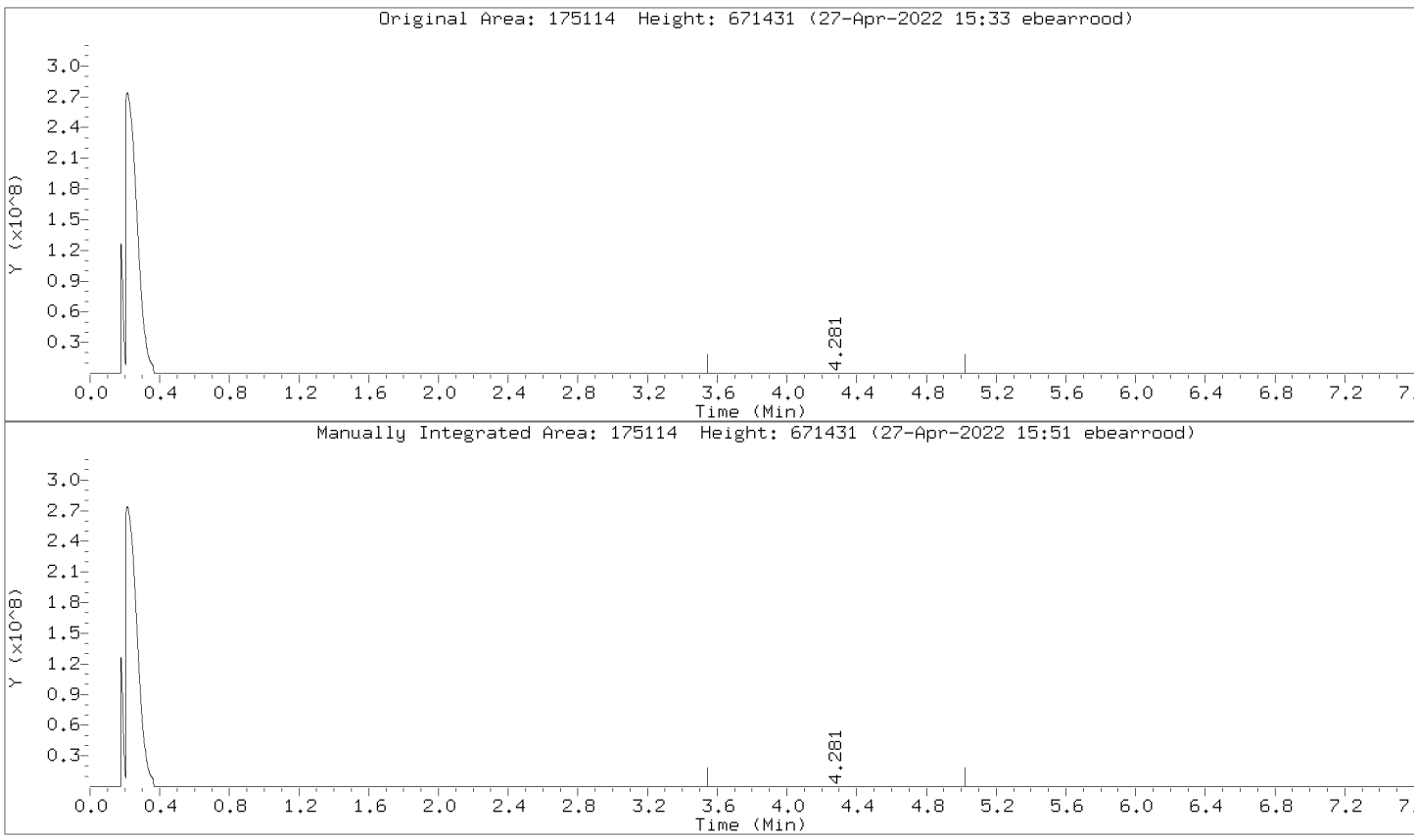
Operator: EB3
Column diameter: 0.32



158 of 1320
86 of 777
10606395

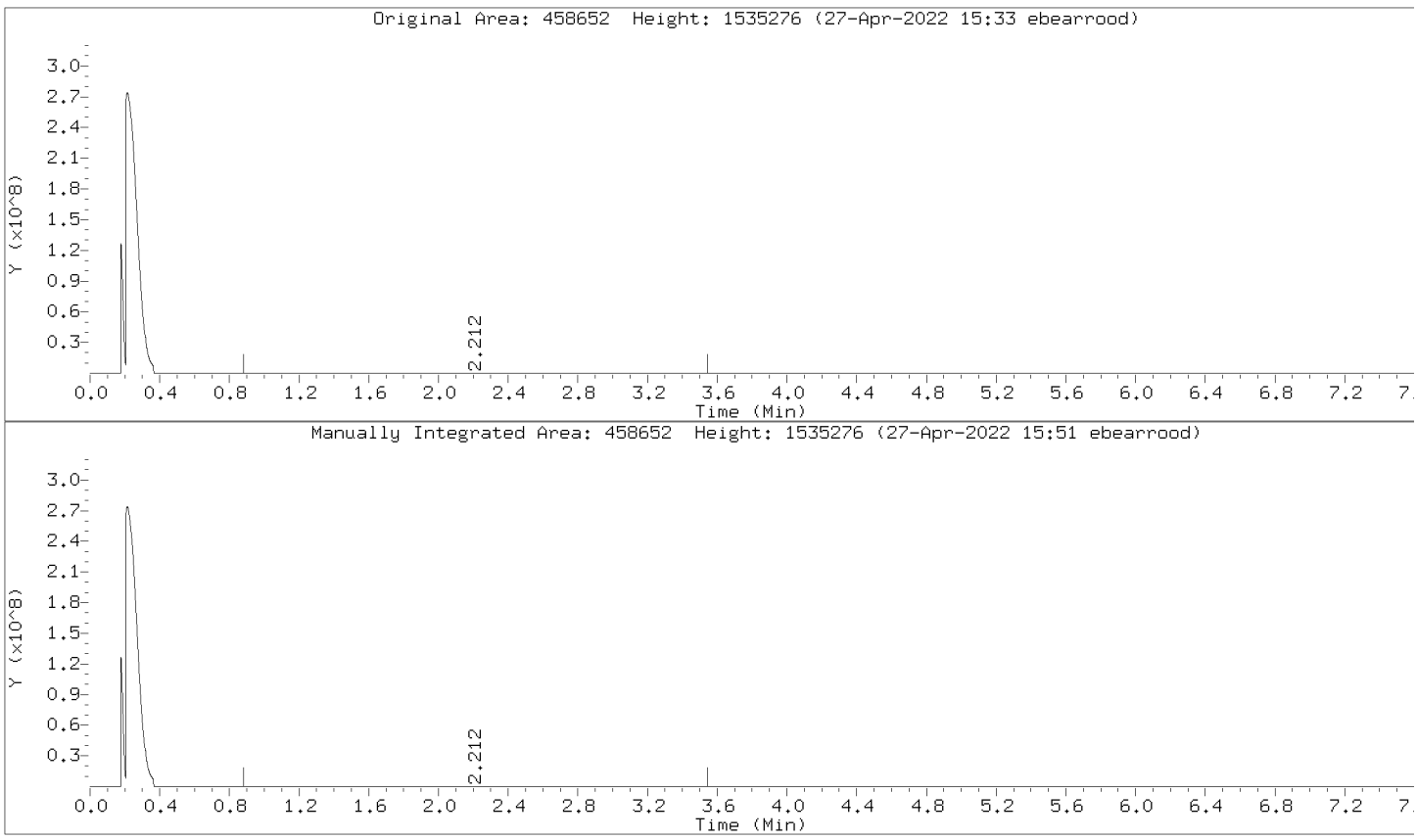
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000010.D
Injection Date: 27-APR-2022 13:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,362371:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



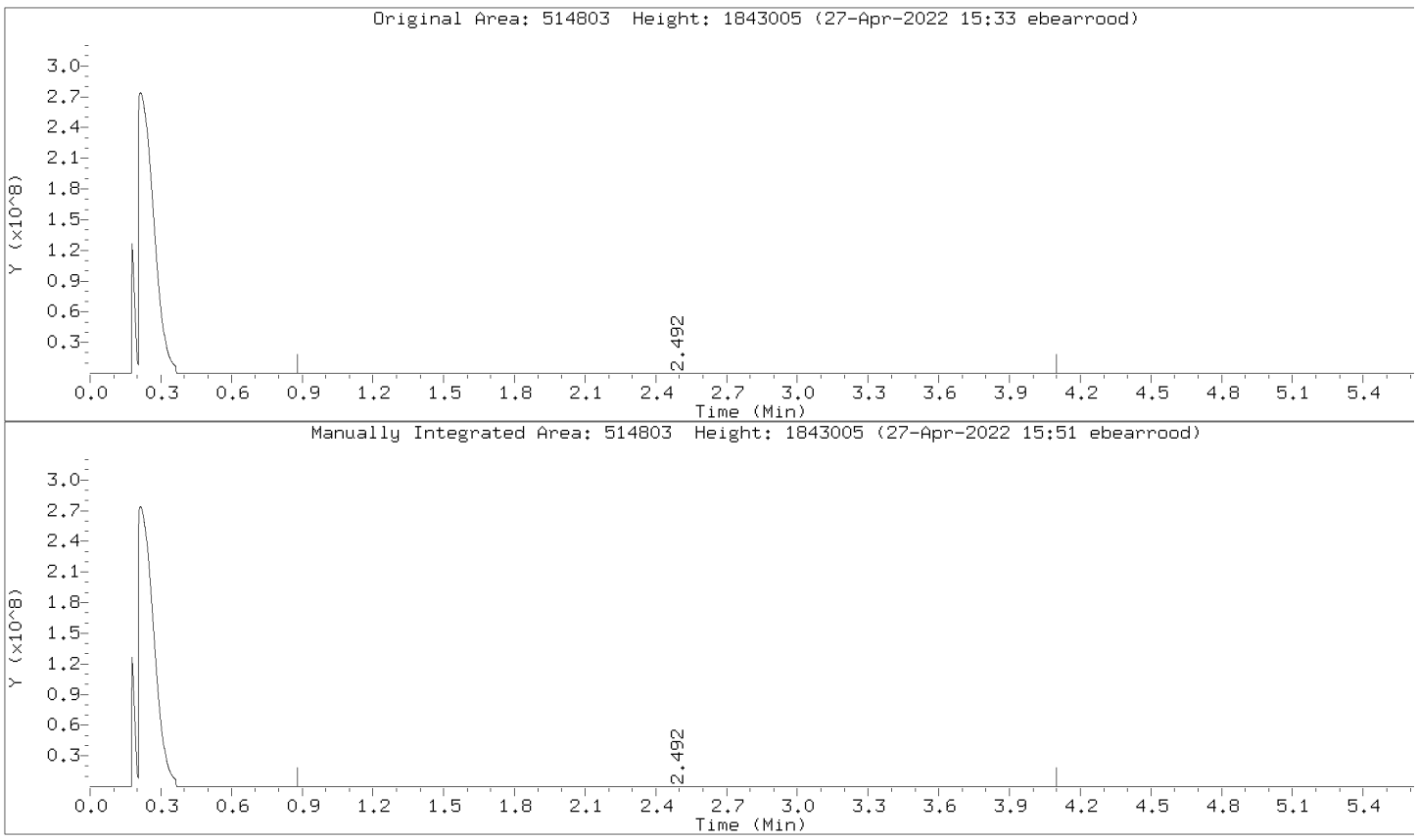
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000010.D
Injection Date: 27-APR-2022 13:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,362371:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



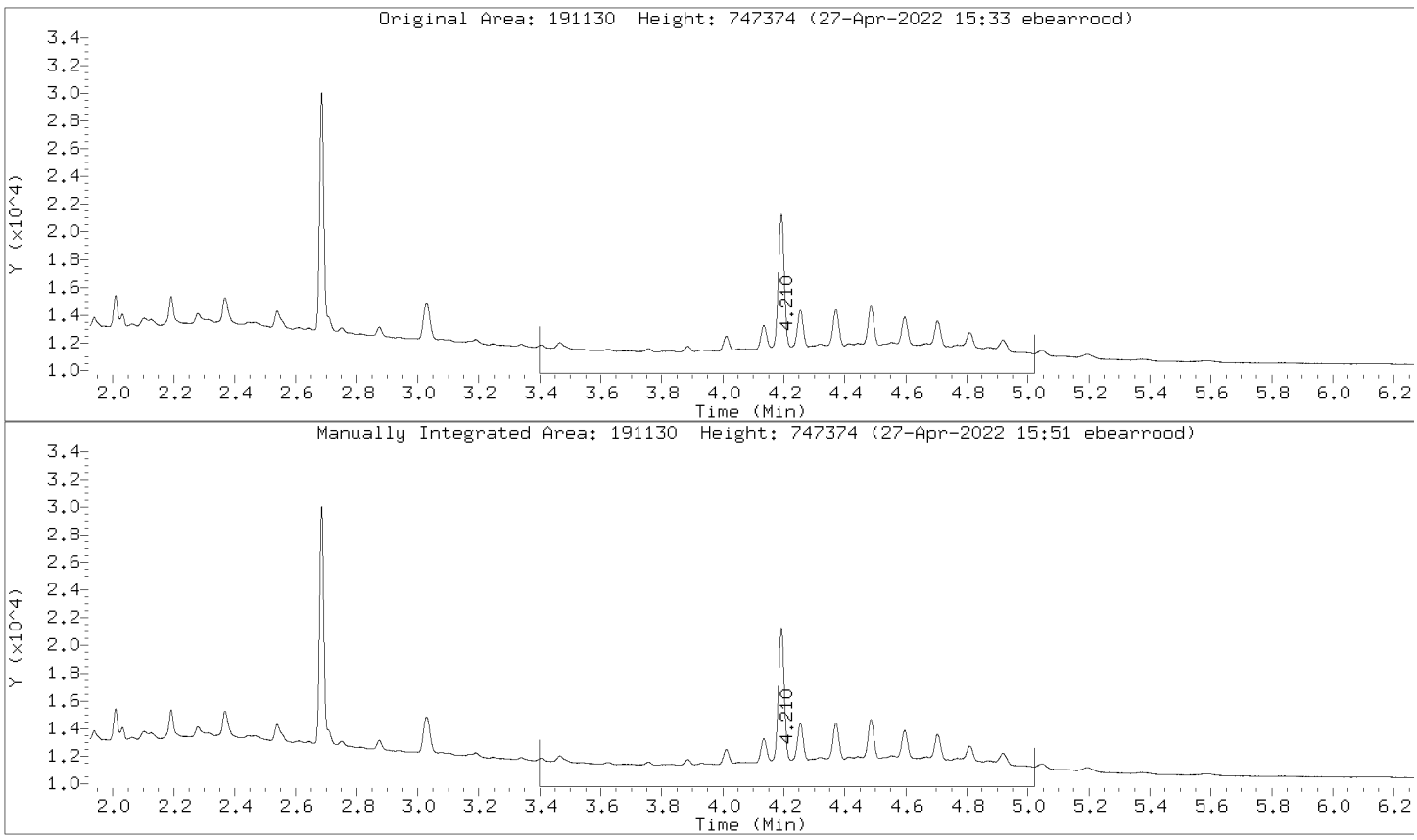
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000010.D
Injection Date: 27-APR-2022 13:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,362371:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



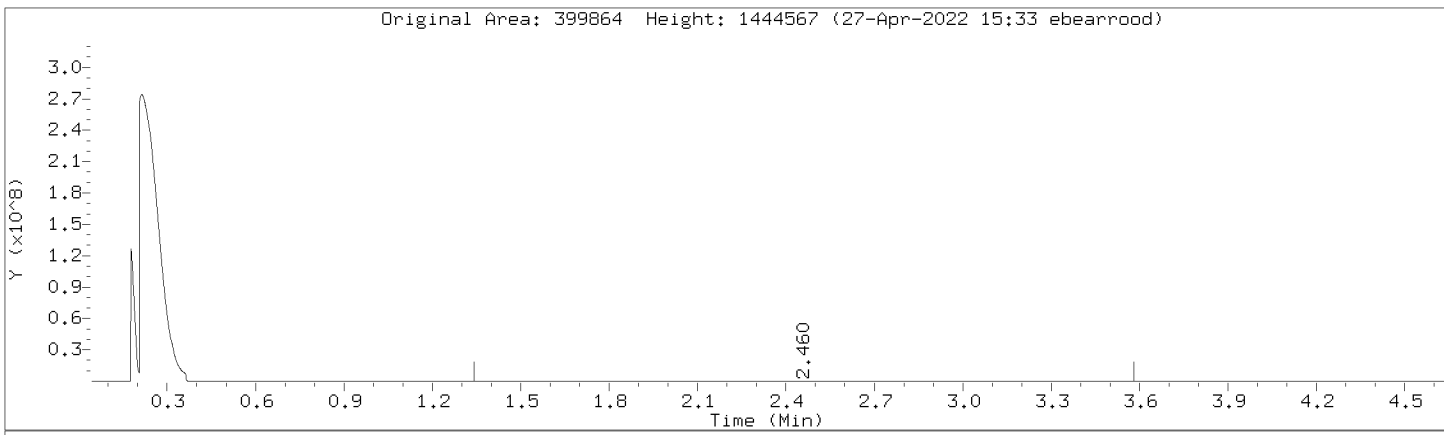
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000010.D
Injection Date: 27-APR-2022 13:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,362371:2

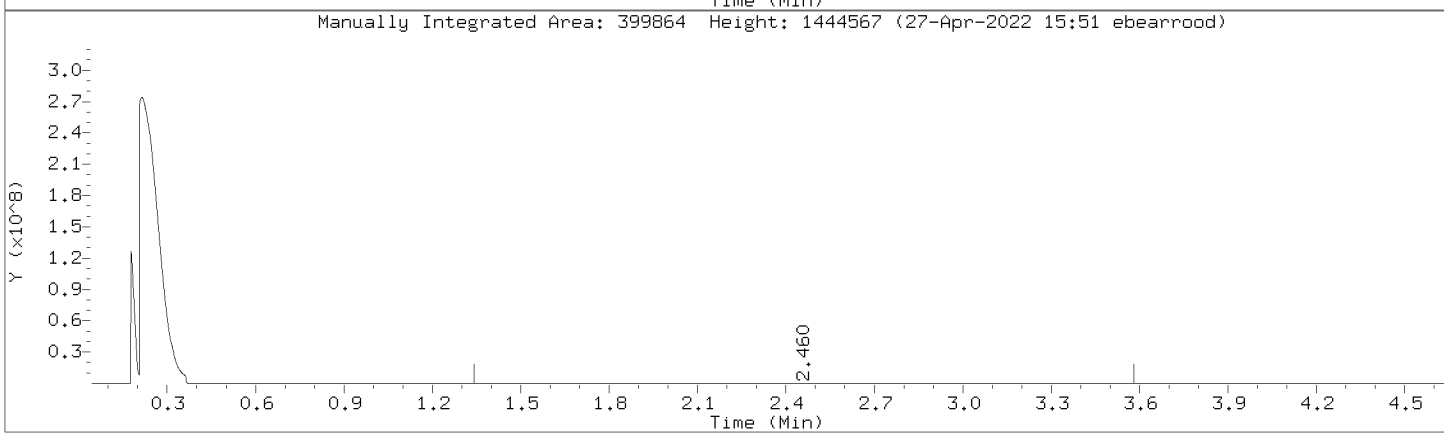
Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000010.D
Injection Date: 27-APR-2022 13:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,362371:2

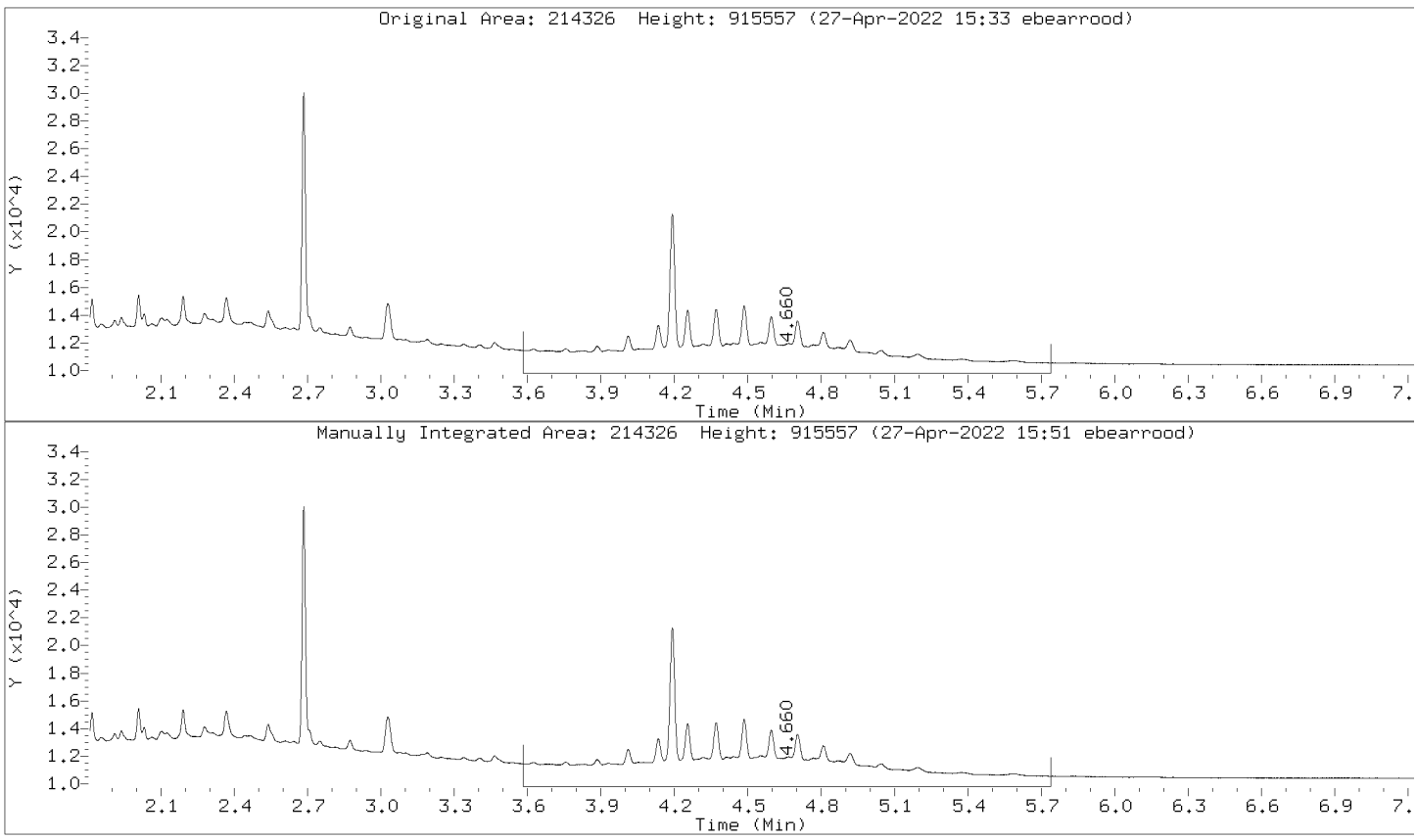
Compound: Diesel Fuel Range Review Code: RNG
CAS Number:





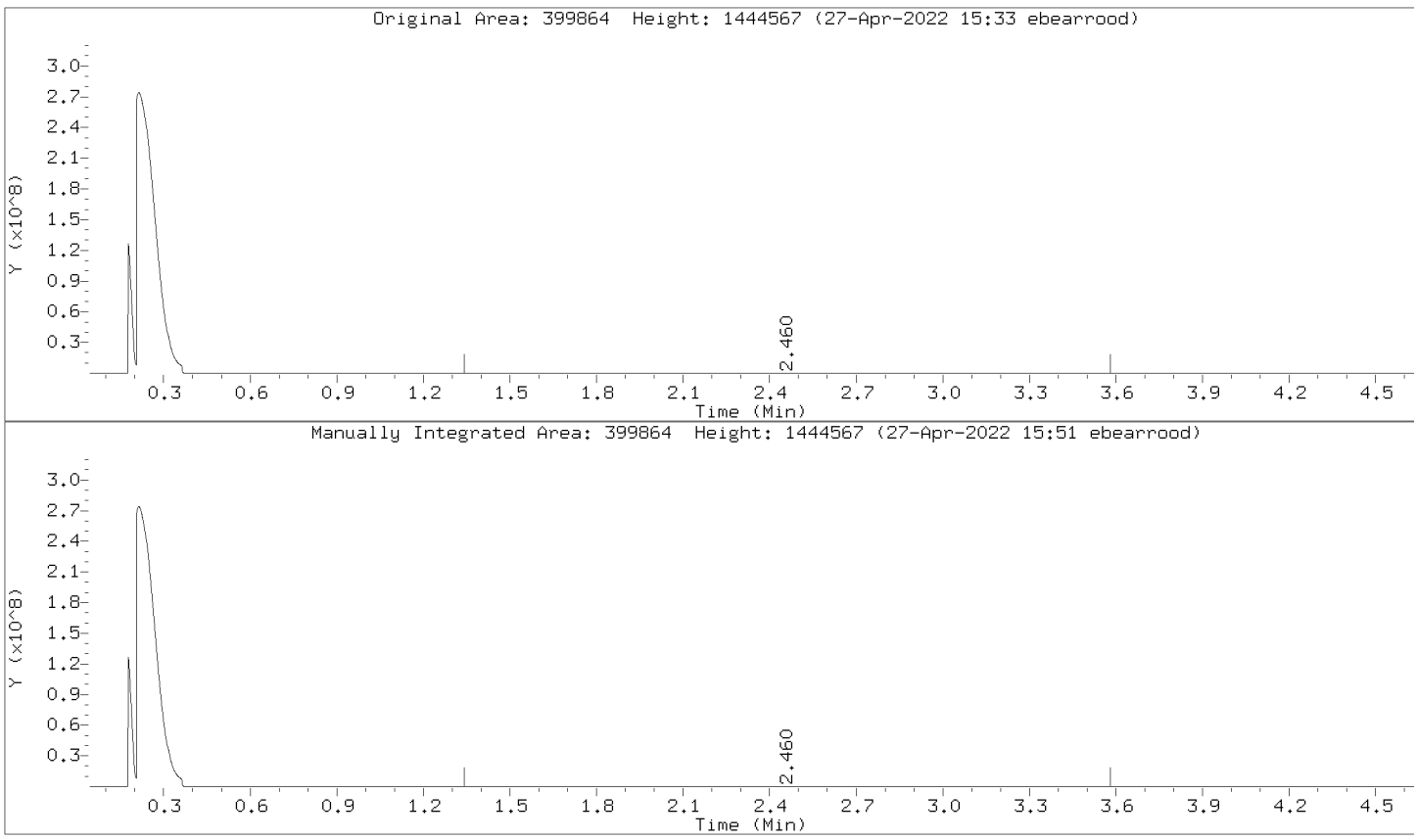
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000010.D
Injection Date: 27-APR-2022 13:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,362371:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



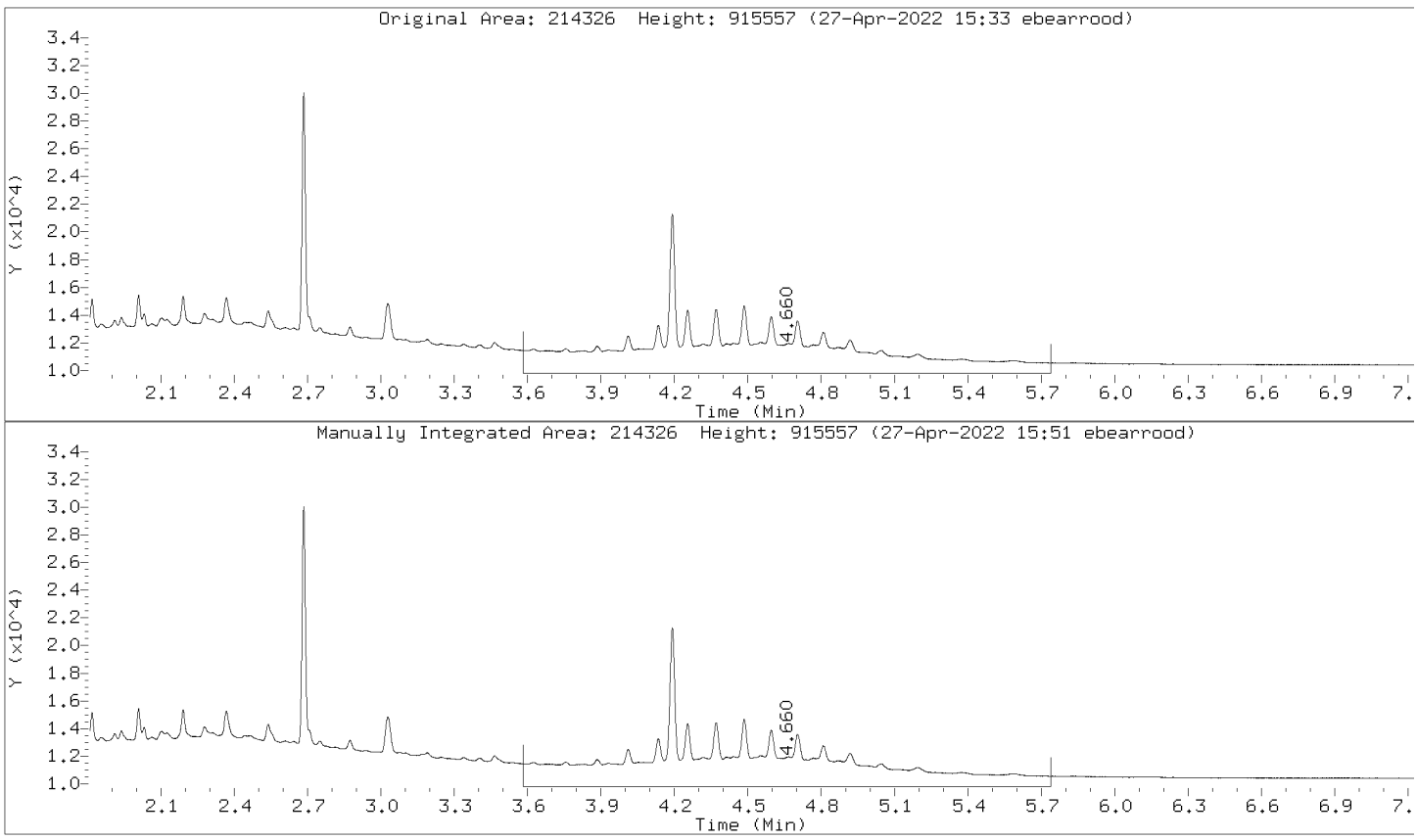
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000010.D
Injection Date: 27-APR-2022 13:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,362371:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



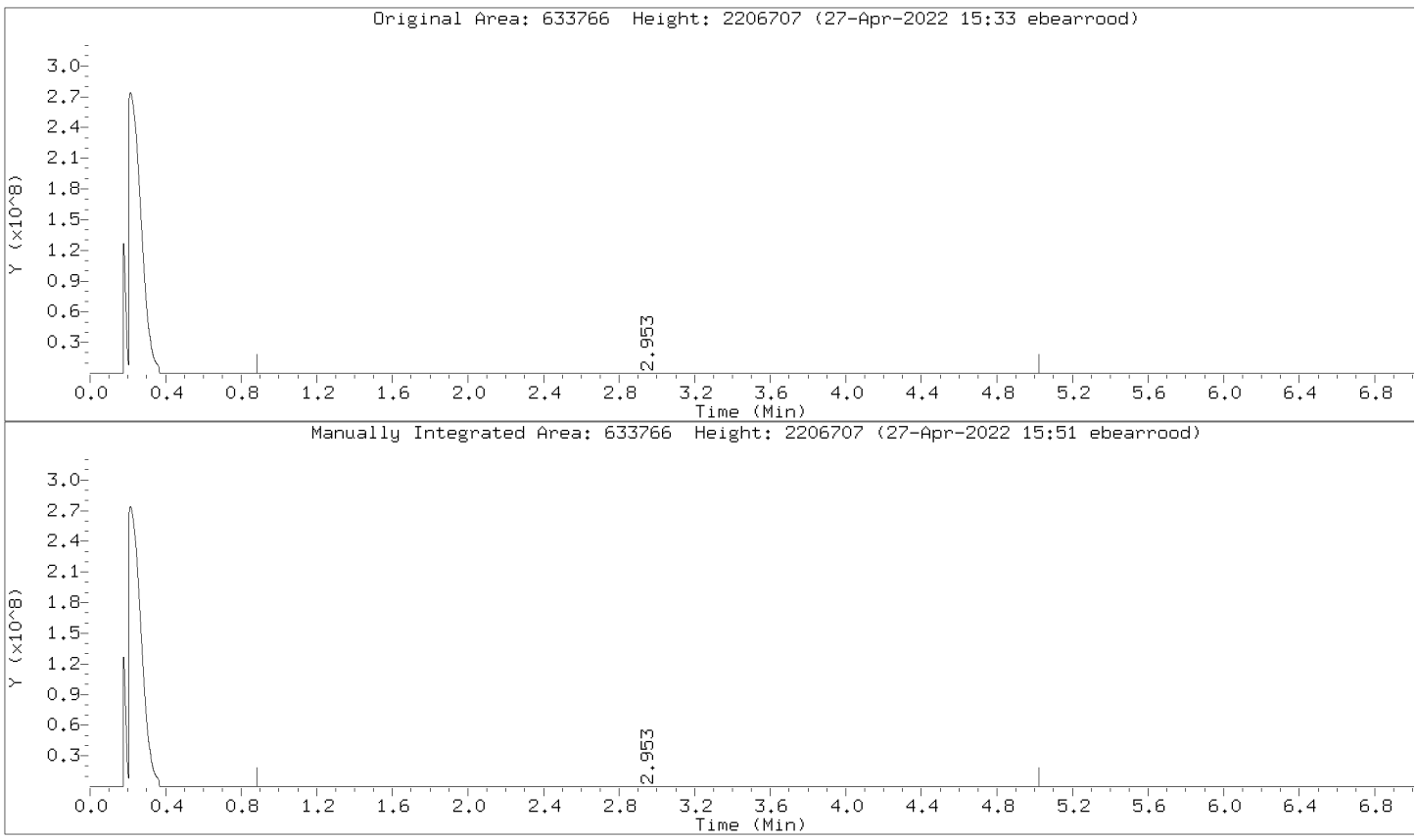
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000010.D
Injection Date: 27-APR-2022 13:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,362371:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



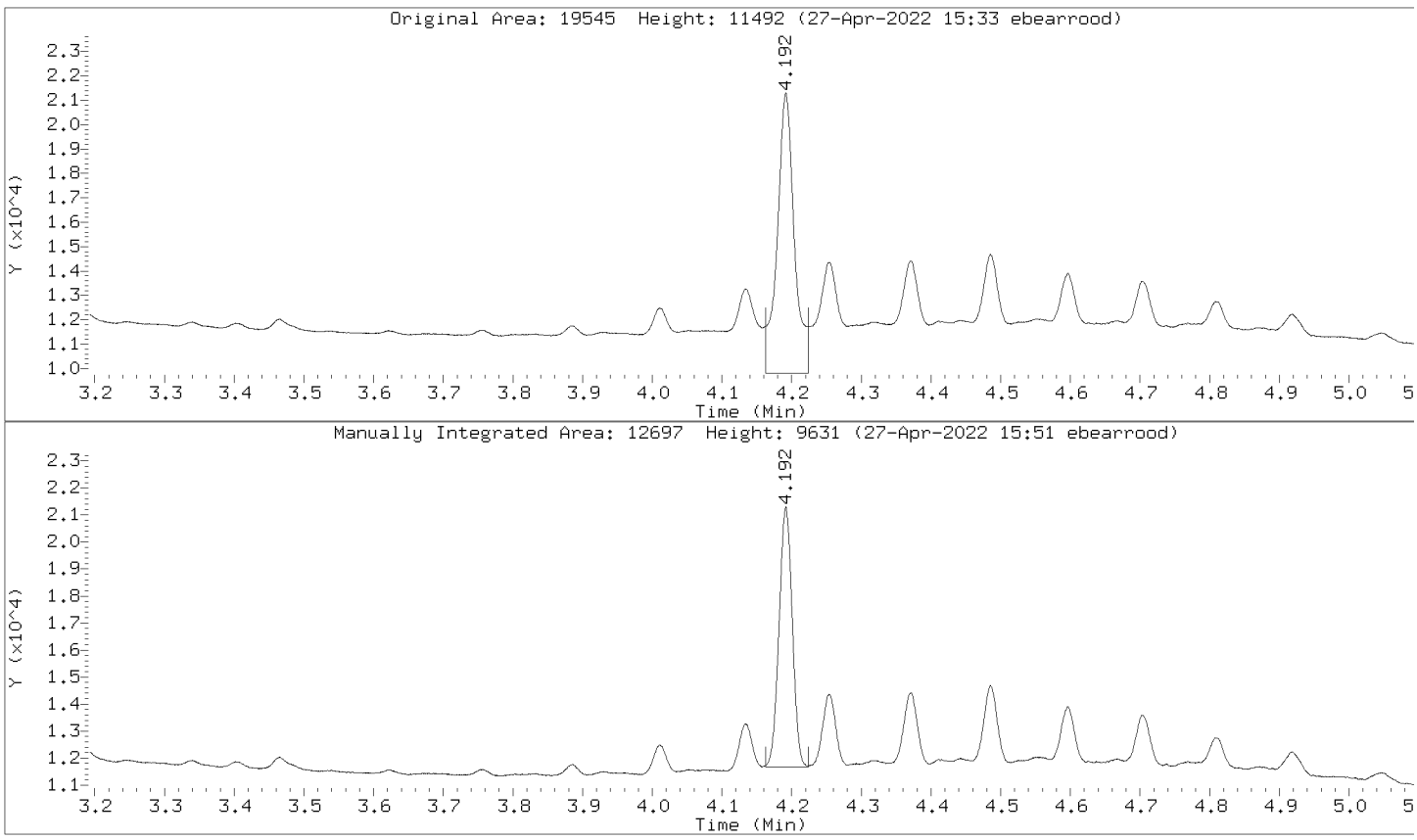
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000010.D
Injection Date: 27-APR-2022 13:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,362371:2

Compound: C10-C36 Review Code: RNG
CAS Number:



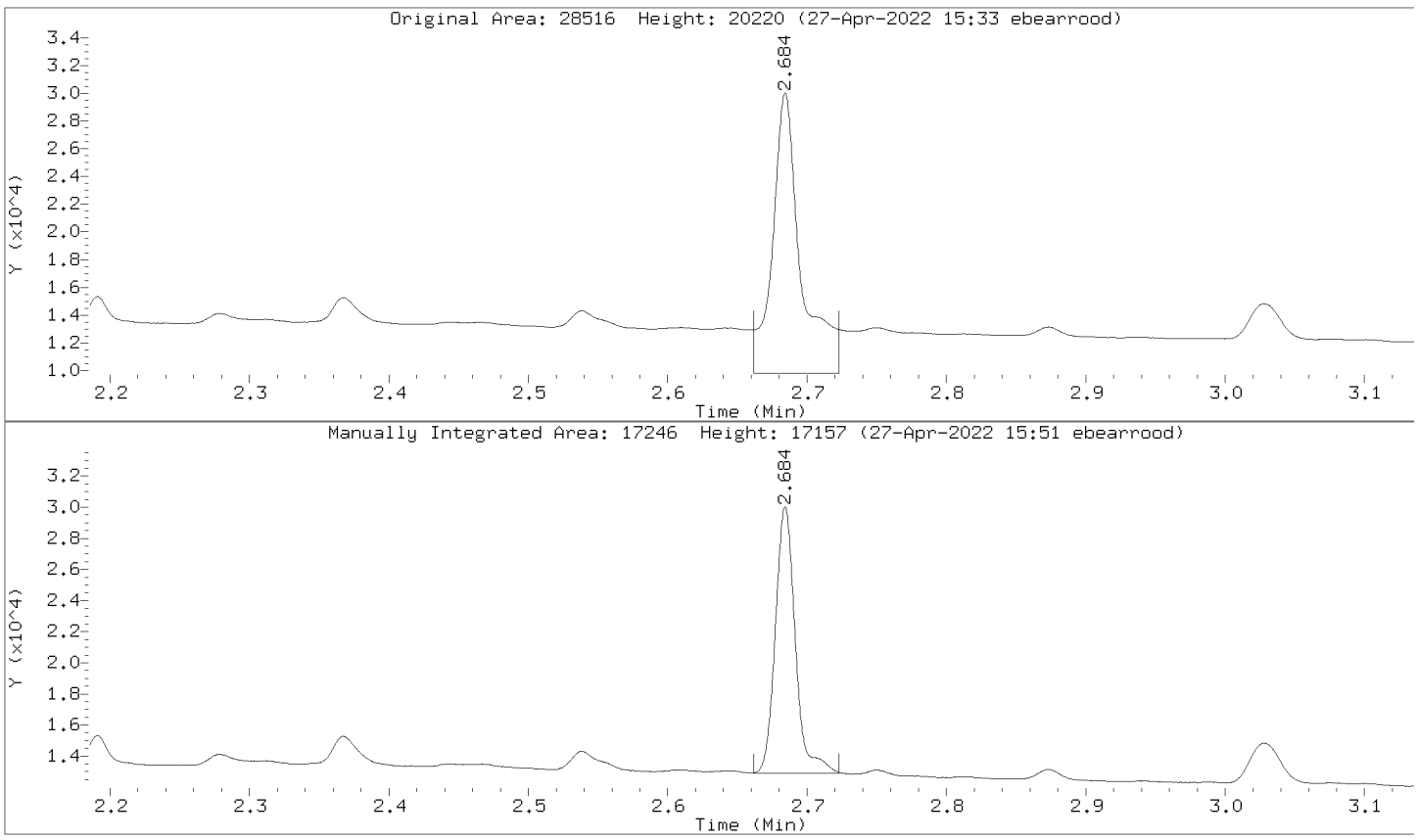
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000010.D
Injection Date: 27-APR-2022 13:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,362371:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000010.D
Injection Date: 27-APR-2022 13:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,362371:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000011.D
Lab Smp Id: DMO-CAL4,362372:2 Client Smp ID: DMO-CAL4,362372:2
Inj Date : 27-APR-2022 13:34
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-cal4,362372:2
Misc Info : 39205
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\042722R.b\GCSFakNW8015-042722_3920
Meth Date : 27-Apr-2022 16:06 ebearrood Quant Type: ESTD
Cal Date : 27-APR-2022 14:42 Cal File: 0427R0000017.D
Als bottle: 81 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.885	- 3.540		608687	50.0000	42.2	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.684	2.685	-0.001	34140	5.00000	4.57	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.193	4.193	0.000	25712	5.00000	4.30	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.541	- 5.020		256015	50.0000	41.6	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.885	- 4.099		685656	50.0000	42.2	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.400	- 5.020		279506	50.0000	41.8	(M)	RNG
S 7 C10-C36					CAS #:		
0.885	- 5.020		864702	100.000	84.0	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.340	- 3.580		525834	50.0000	43.8	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.340	- 3.580		525834	50.0000	43.8	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.581	- 5.740		309207	50.0000	43.7	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.581	- 5.740		309207	50.0000	43.7	(M)	RNG

QC Flag Legend

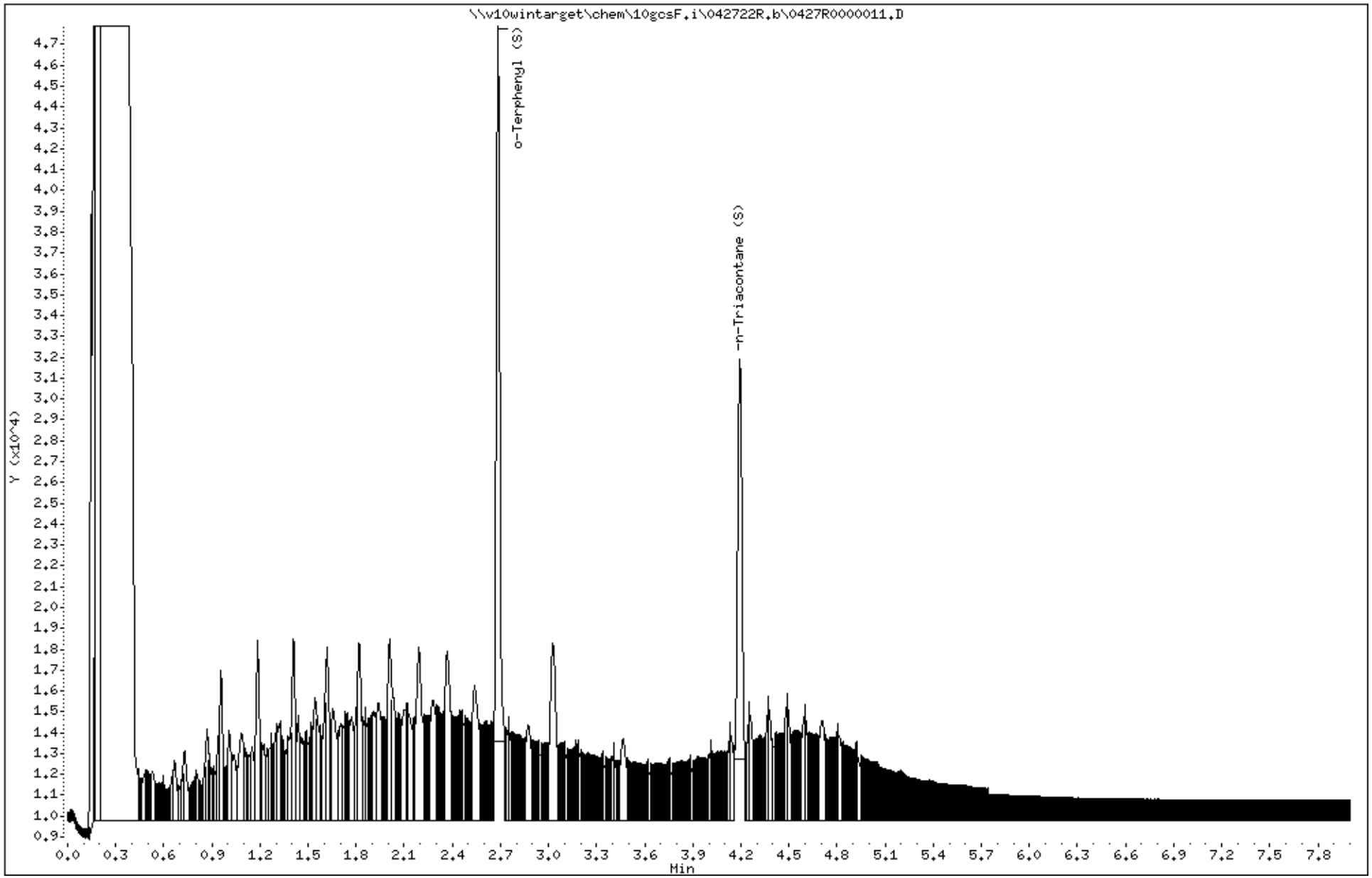
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

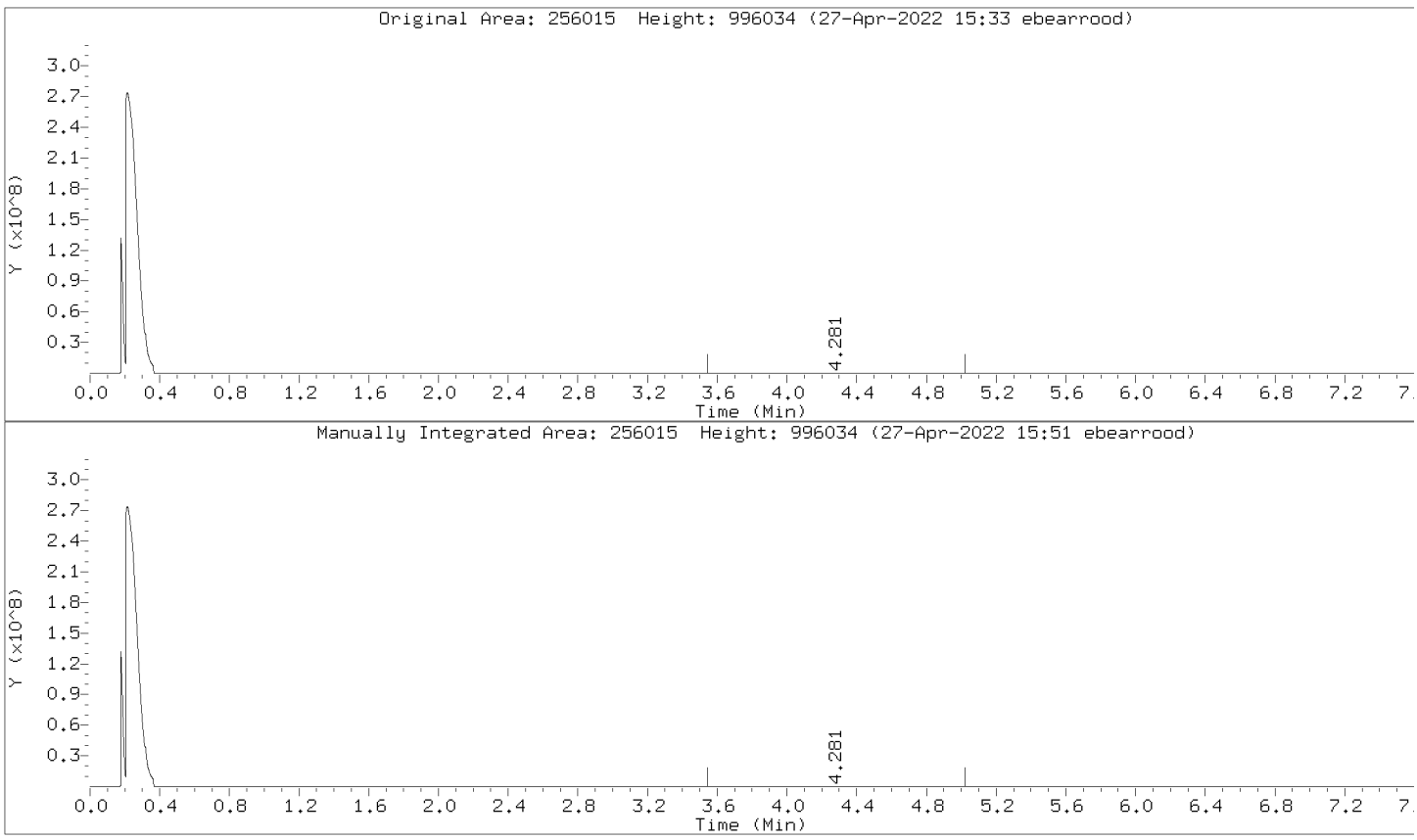
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000011.D
Date : 27-APR-2022 13:34
Client ID: DMO-CAL4,362372:2
Sample Info: DMO-CAL4,362372:2

Instrument: 10gcsF.i
Operator: EB3
Column phase: DB-5-US21430033
Column diameter: 0.32



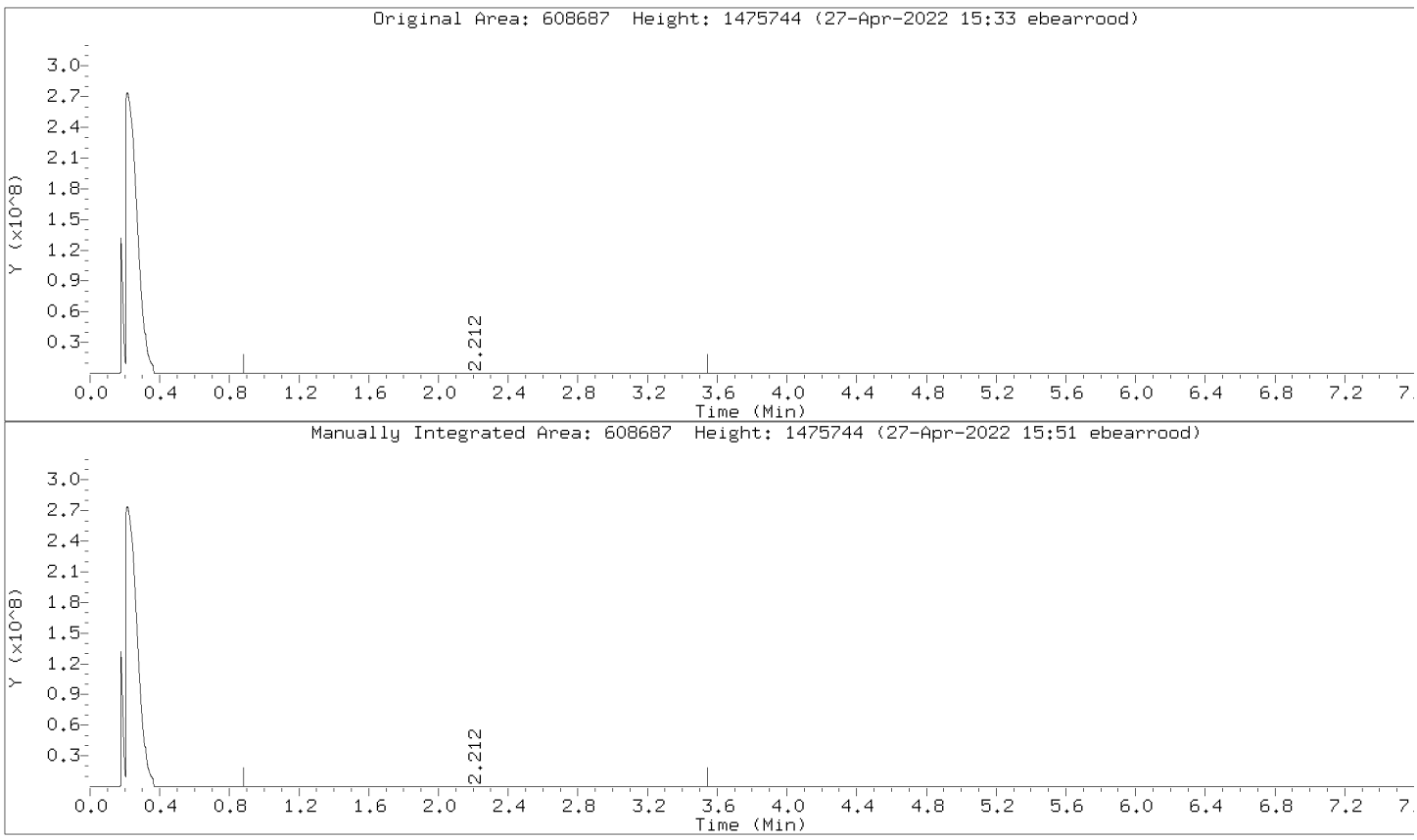
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000011.D
Injection Date: 27-APR-2022 13:34
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,362372:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



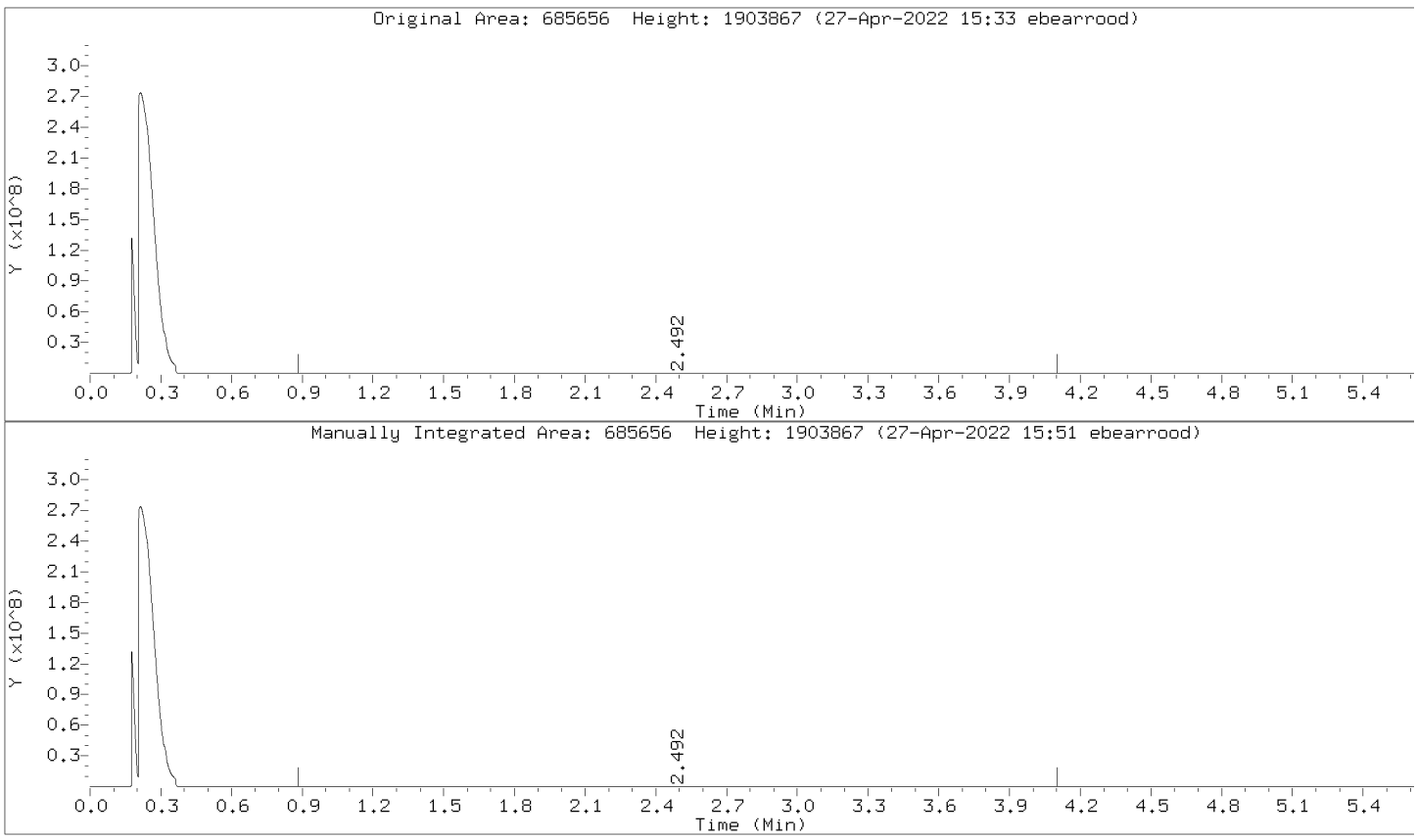
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000011.D
Injection Date: 27-APR-2022 13:34
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,362372:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



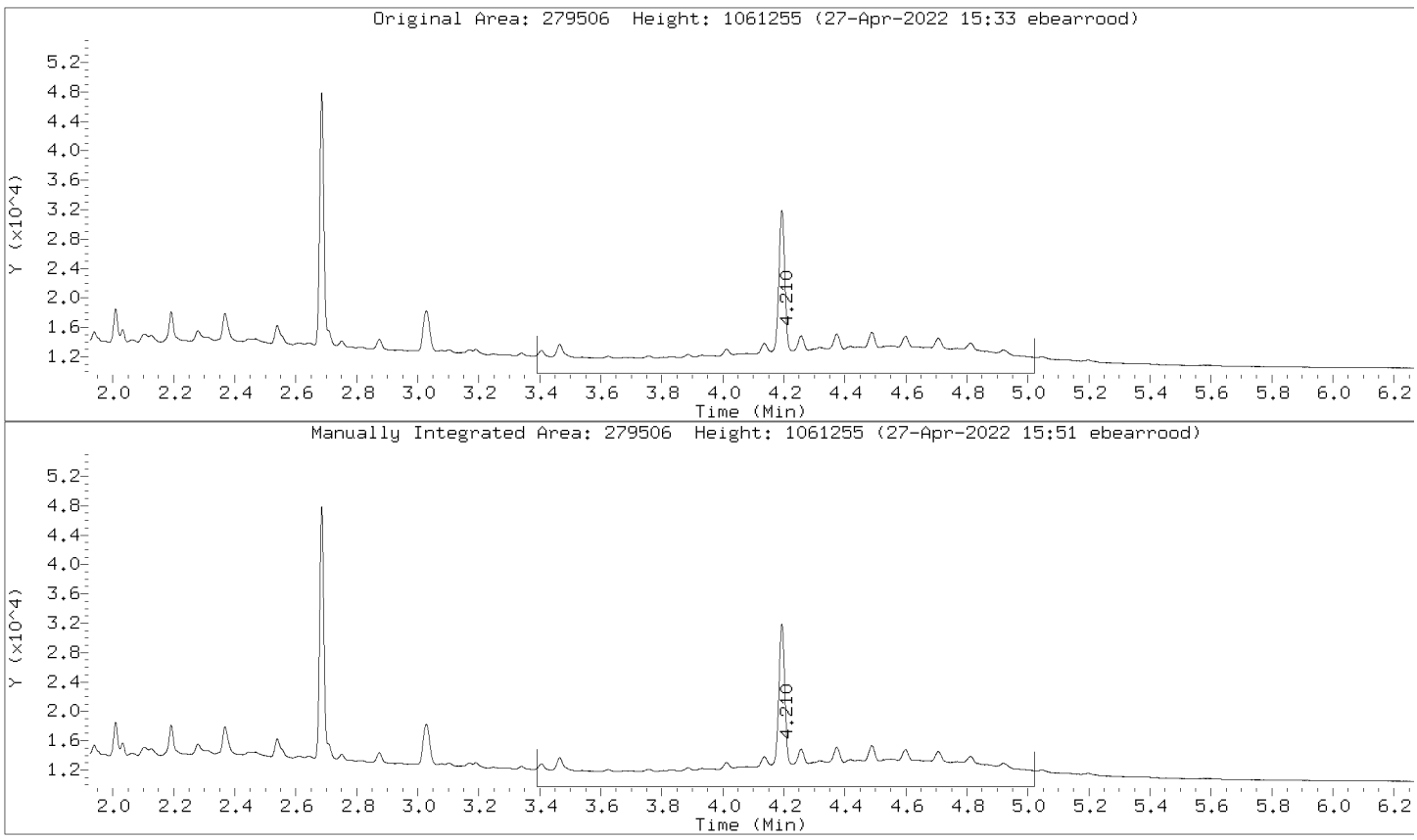
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000011.D
Injection Date: 27-APR-2022 13:34
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,362372:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



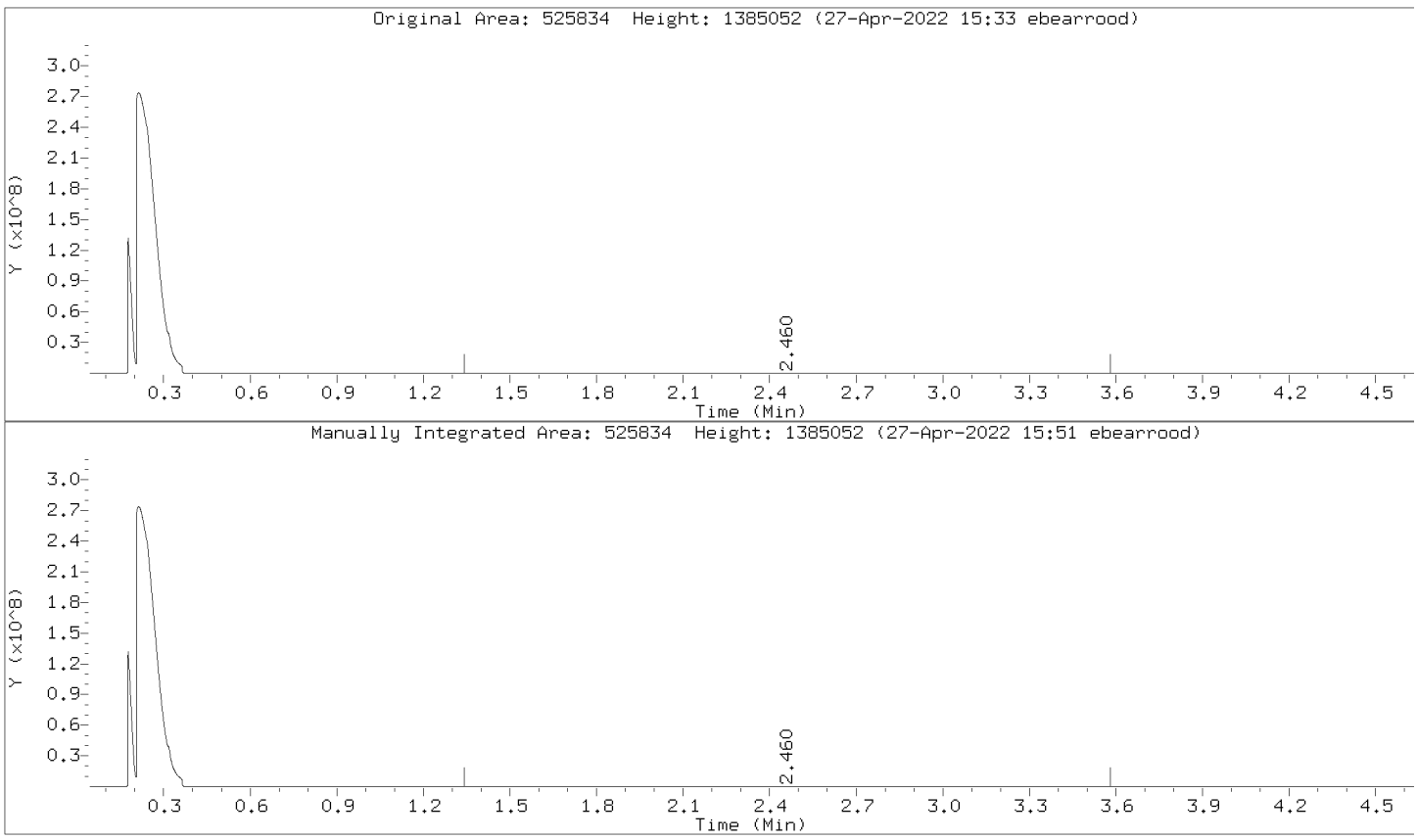
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000011.D
Injection Date: 27-APR-2022 13:34
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,362372:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



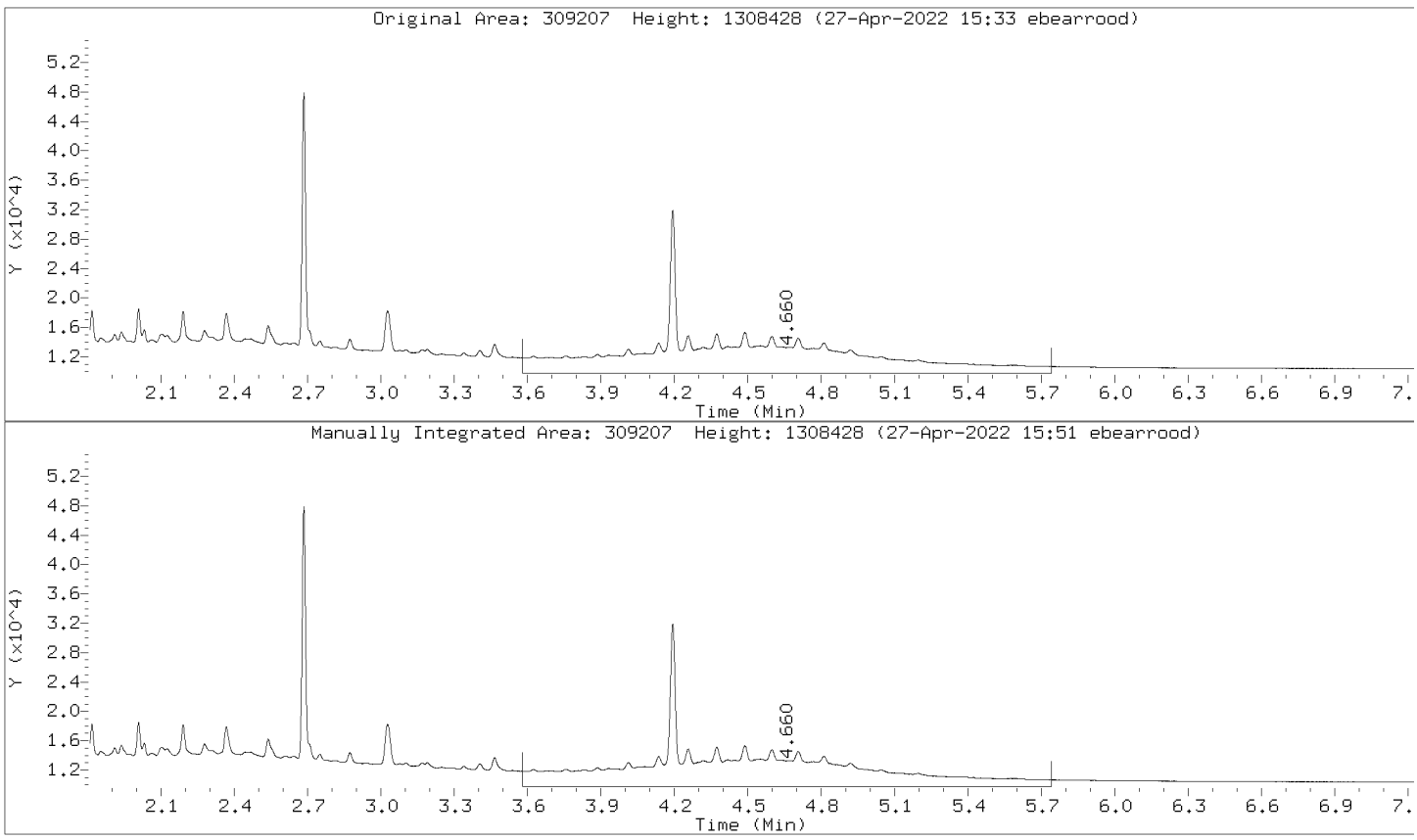
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000011.D
Injection Date: 27-APR-2022 13:34
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,362372:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



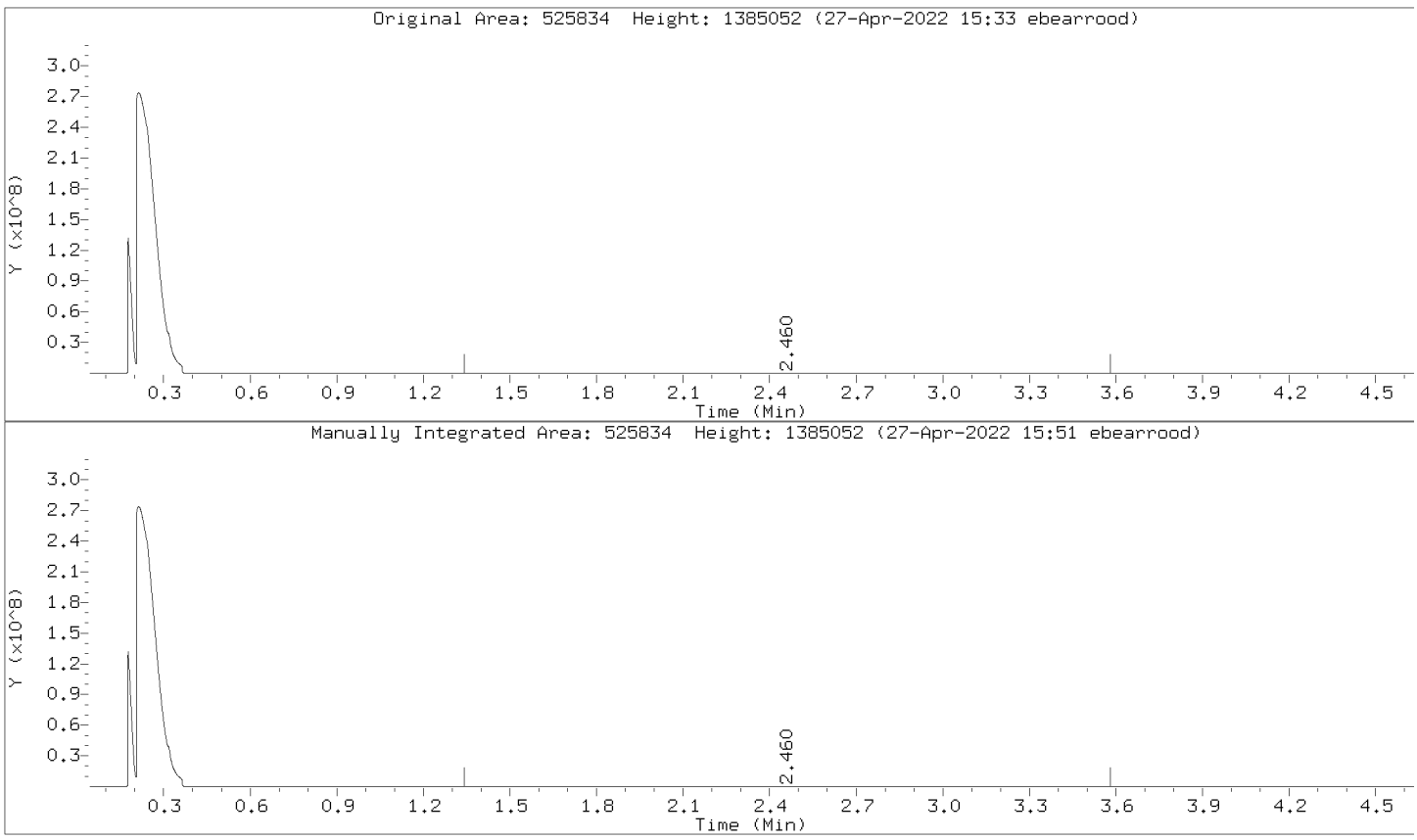
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000011.D
Injection Date: 27-APR-2022 13:34
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,362372:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



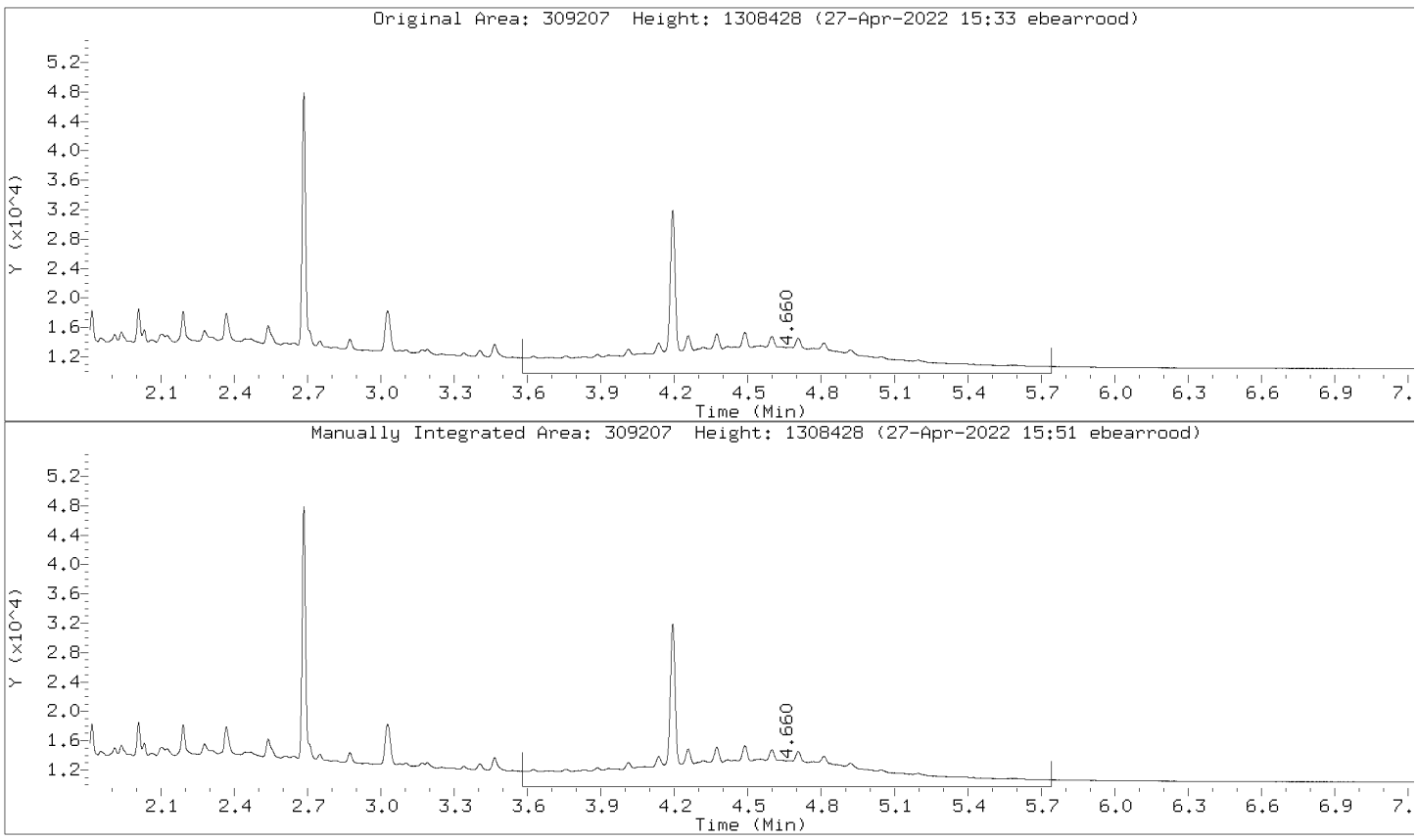
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000011.D
Injection Date: 27-APR-2022 13:34
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,362372:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



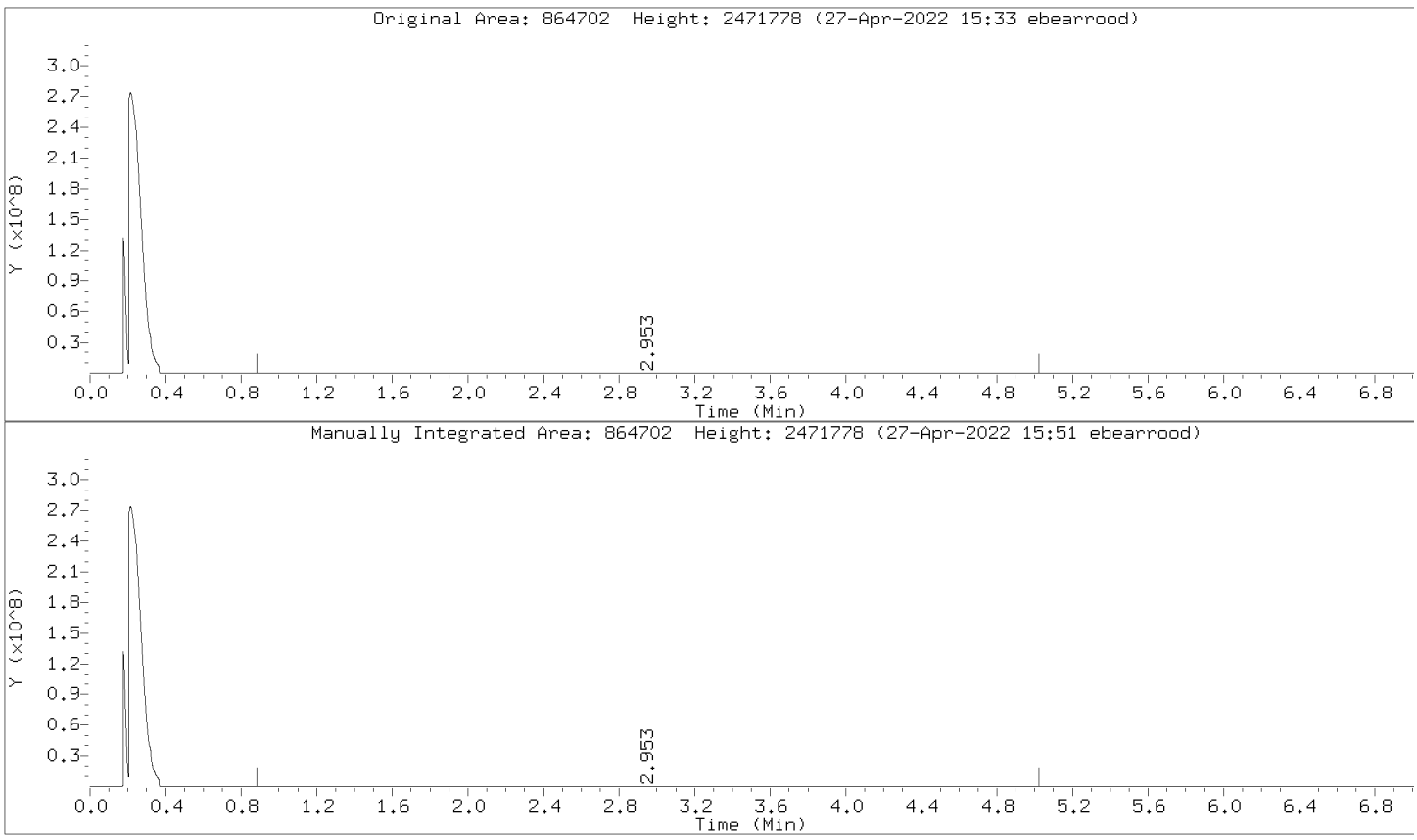
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000011.D
Injection Date: 27-APR-2022 13:34
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,362372:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



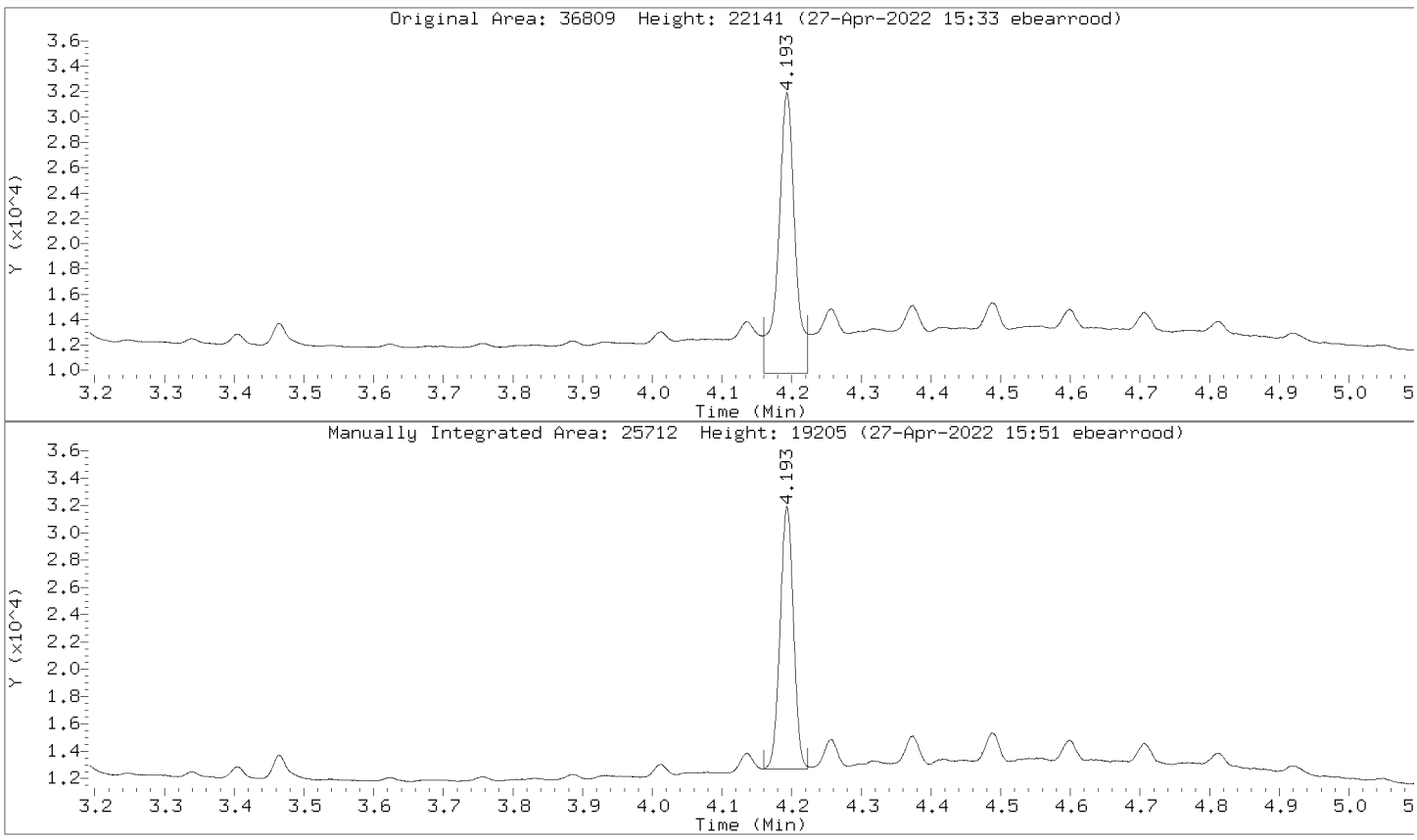
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000011.D
Injection Date: 27-APR-2022 13:34
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,362372:2

Compound: C10-C36 Review Code: RNG
CAS Number:



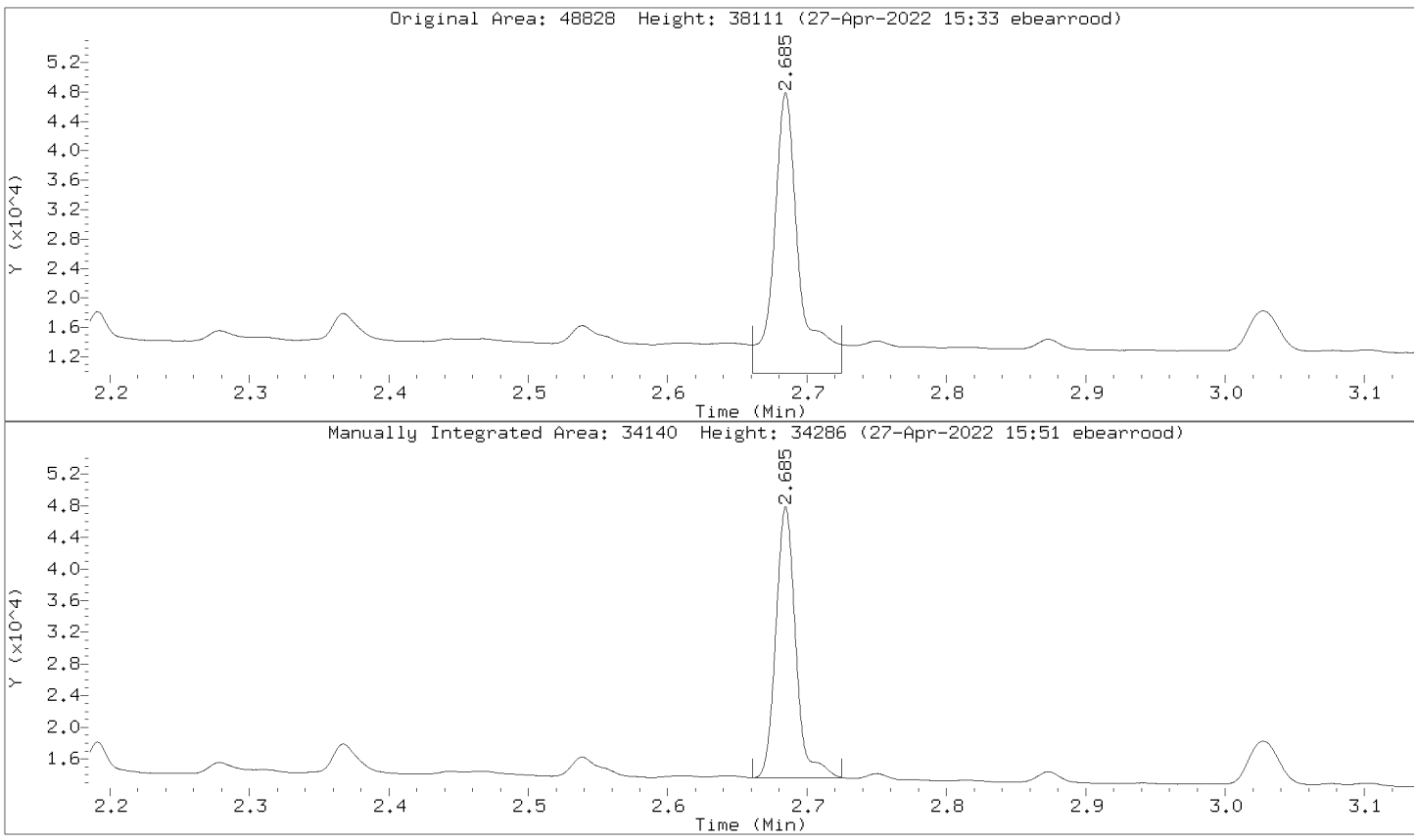
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000011.D
Injection Date: 27-APR-2022 13:34
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,362372:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000011.D
Injection Date: 27-APR-2022 13:34
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,362372:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000012.D
Lab Smp Id: DMO-CAL5,362373:2 Client Smp ID: DMO-CAL5,362373:2
Inj Date : 27-APR-2022 13:45
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-cal5,362373:2
Misc Info : 39205
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\042722R.b\GCSFakNW8015-042722_3920
Meth Date : 27-Apr-2022 16:06 ebearrood Quant Type: ESTD
Cal Date : 27-APR-2022 14:42 Cal File: 0427R0000017.D
Als bottle: 82 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS					
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)		REVIEW	CODE
S 1 DRO by AK 102						CAS #:		
0.885	- 3.540		889707	100.000	91.4		(M)	RNG
$ 2 o-Terphenyl (S)						CAS #:		
2.684	2.685	-0.001	67661	10.0000	9.65		(M)	BA
$ 3 n-Triacontane (S)						CAS #:		
4.193	4.193	0.000	51572	10.0000	9.31		(M)	BA
S 4 Residual Range Organics AK103						CAS #:		
3.541	- 5.020		429960	100.000	91.4		(M)	RNG
S 5 TPH-DRO (C10-C28)						CAS #:		
0.885	- 4.099		1007171	100.000	91.4		(M)	RNG
S 6 Motor Oil Range (C24-C36)						CAS #:		
3.400	- 5.020		456691	100.000	90.8		(M)	RNG
S 7 C10-C36						CAS #:		
0.885	- 5.020		1320158	200.000	183		(M)	RNG
S 8 Diesel Fuel Range						CAS #:		
1.340	- 3.580		759830	100.000	92.4		(M)	RNG
S 9 Diesel Fuel Range SG						CAS #:		
1.340	- 3.580		759830	100.000	92.4		(M)	RNG
S 10 Motor Oil Range						CAS #:		
3.581	- 5.740		518403	100.000	91.1		(M)	RNG
S 11 Motor Oil Range SG						CAS #:		
3.581	- 5.740		518403	100.000	91.1		(M)	RNG

QC Flag Legend

M - Compound response manually integrated.

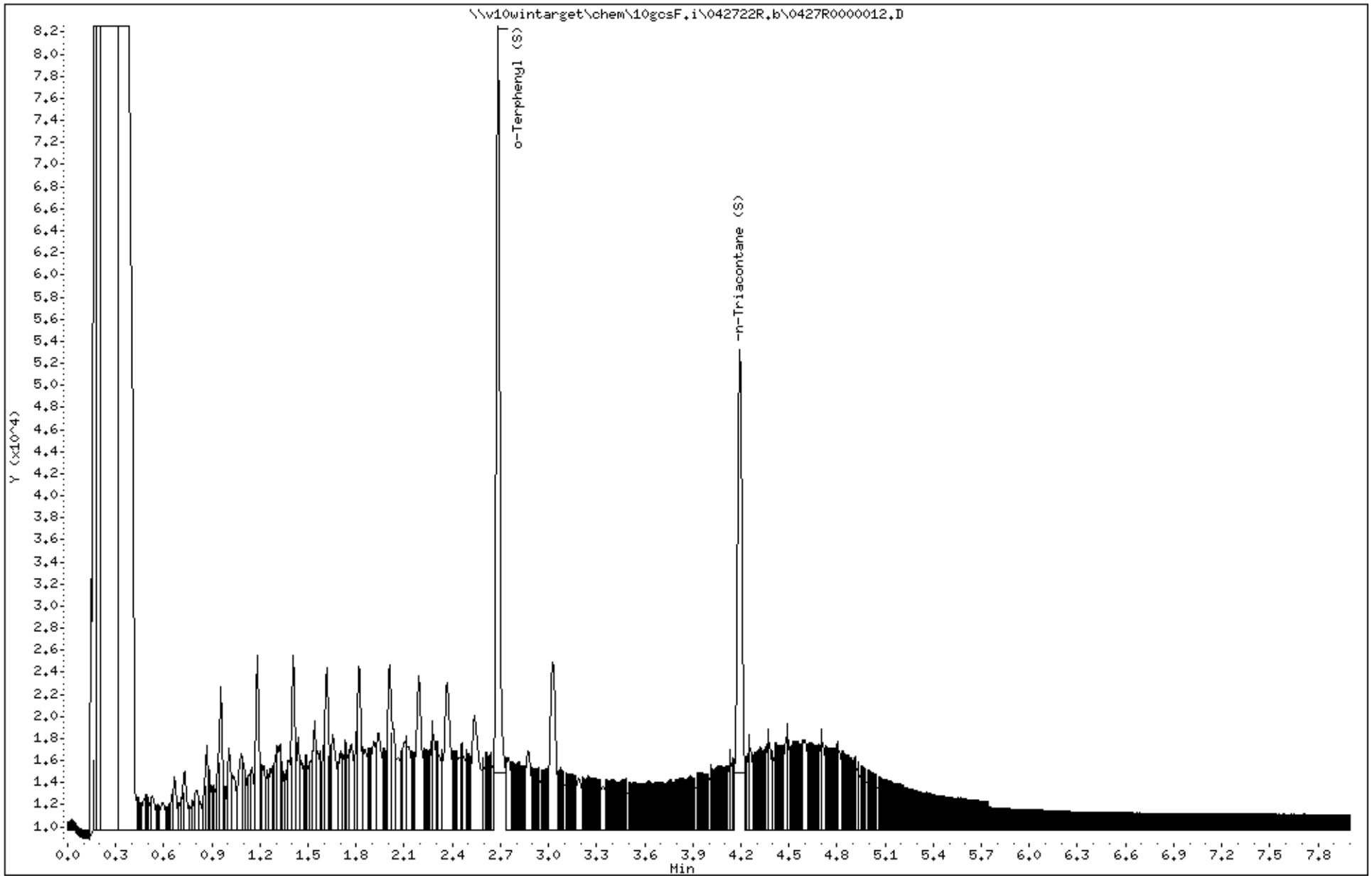
Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000012.D
Date : 27-APR-2022 13:45
Client ID: DMO-CAL5,362373:2
Sample Info: DMO-CAL5,362373:2

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32

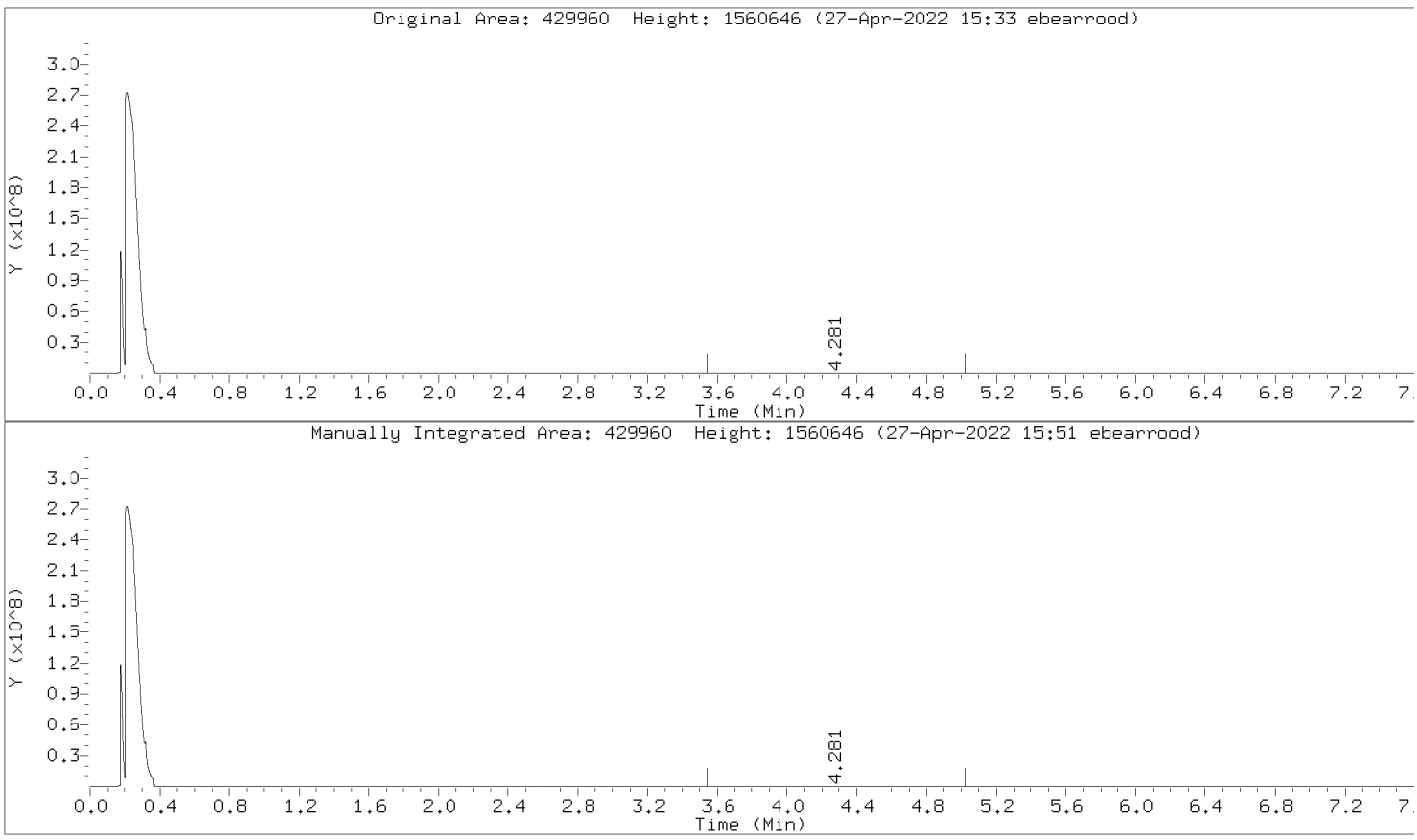
Column phase: DB-5-US21430033



186 of 1320
114 of 777
10606395

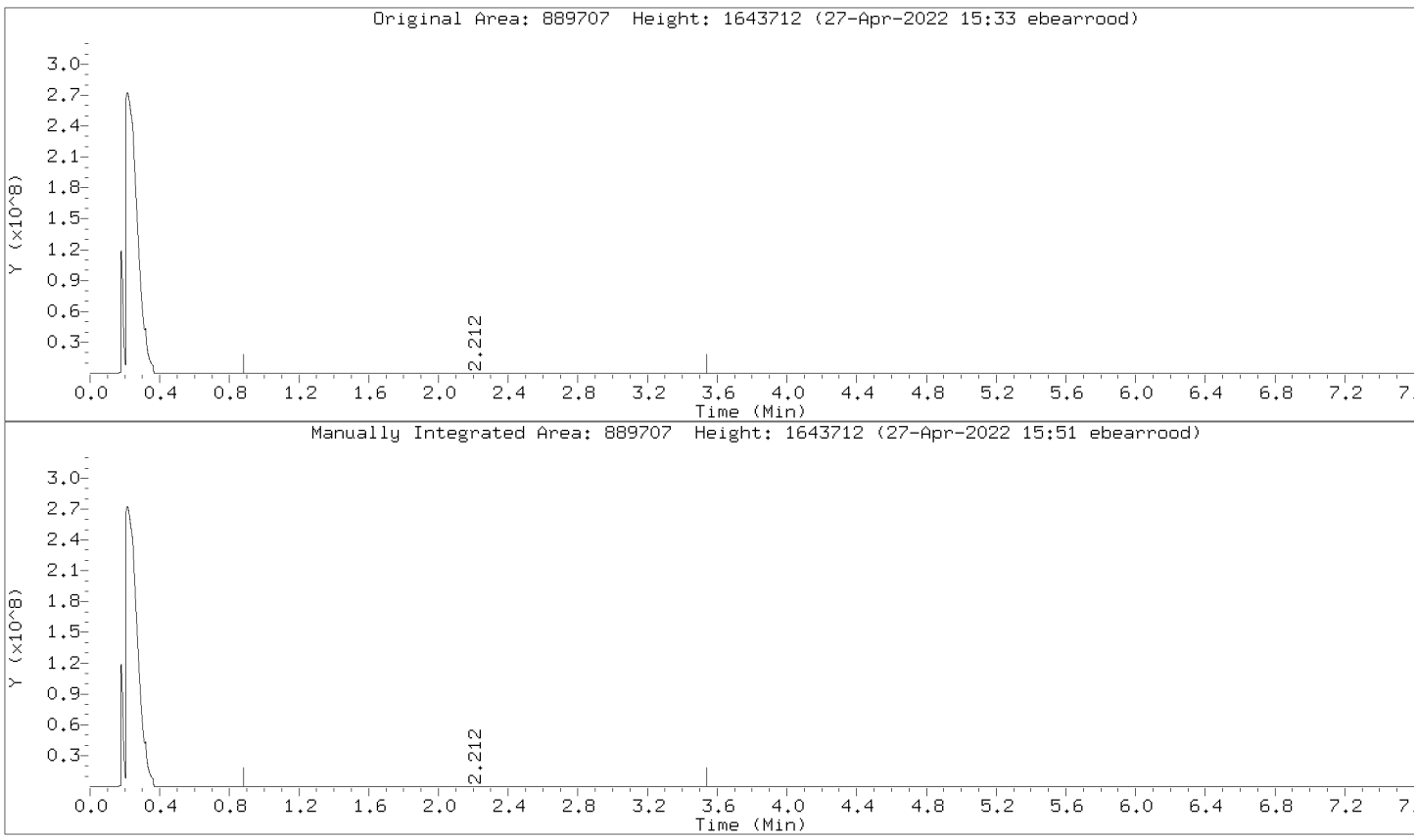
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000012.D
Injection Date: 27-APR-2022 13:45
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,362373:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



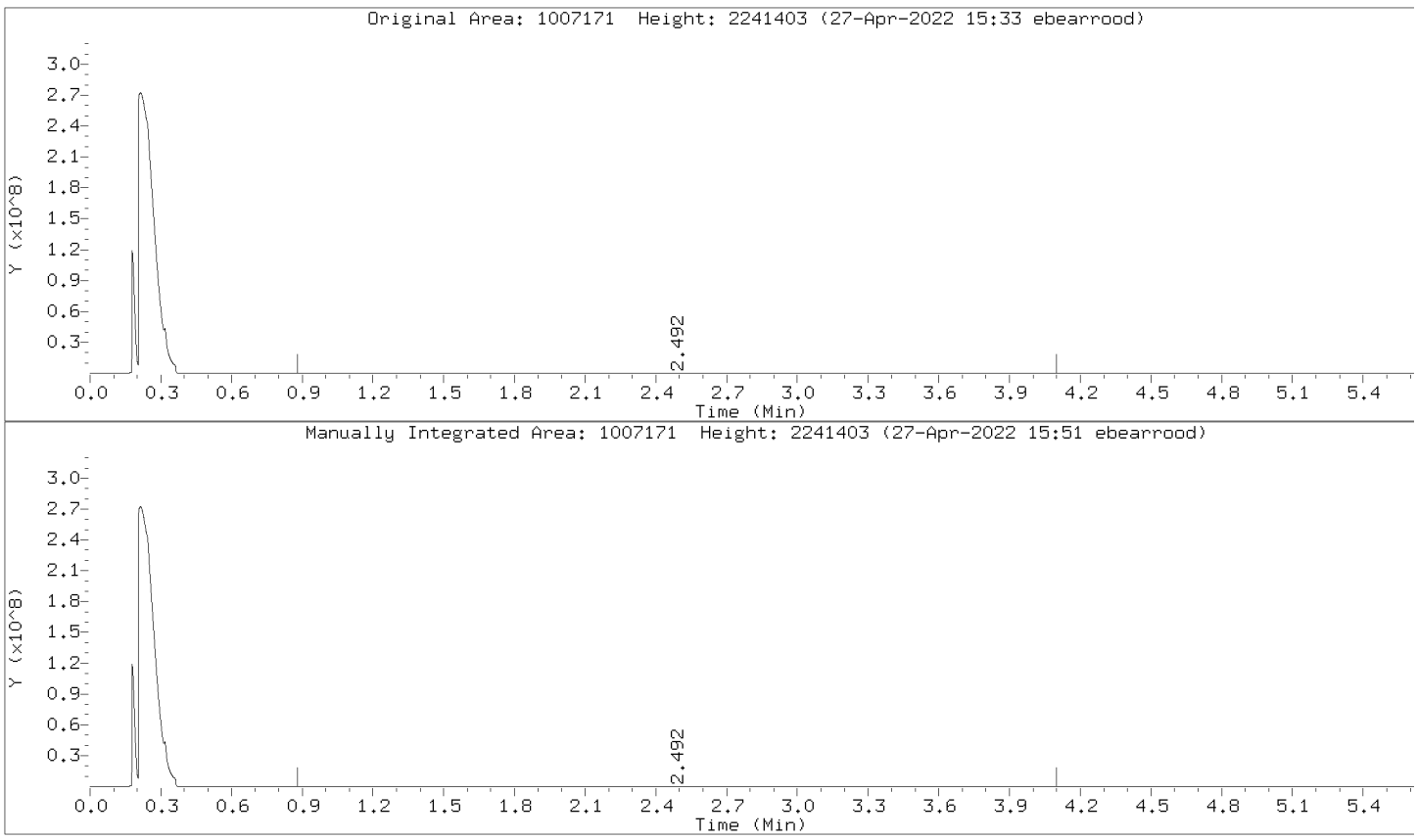
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000012.D
Injection Date: 27-APR-2022 13:45
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,362373:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



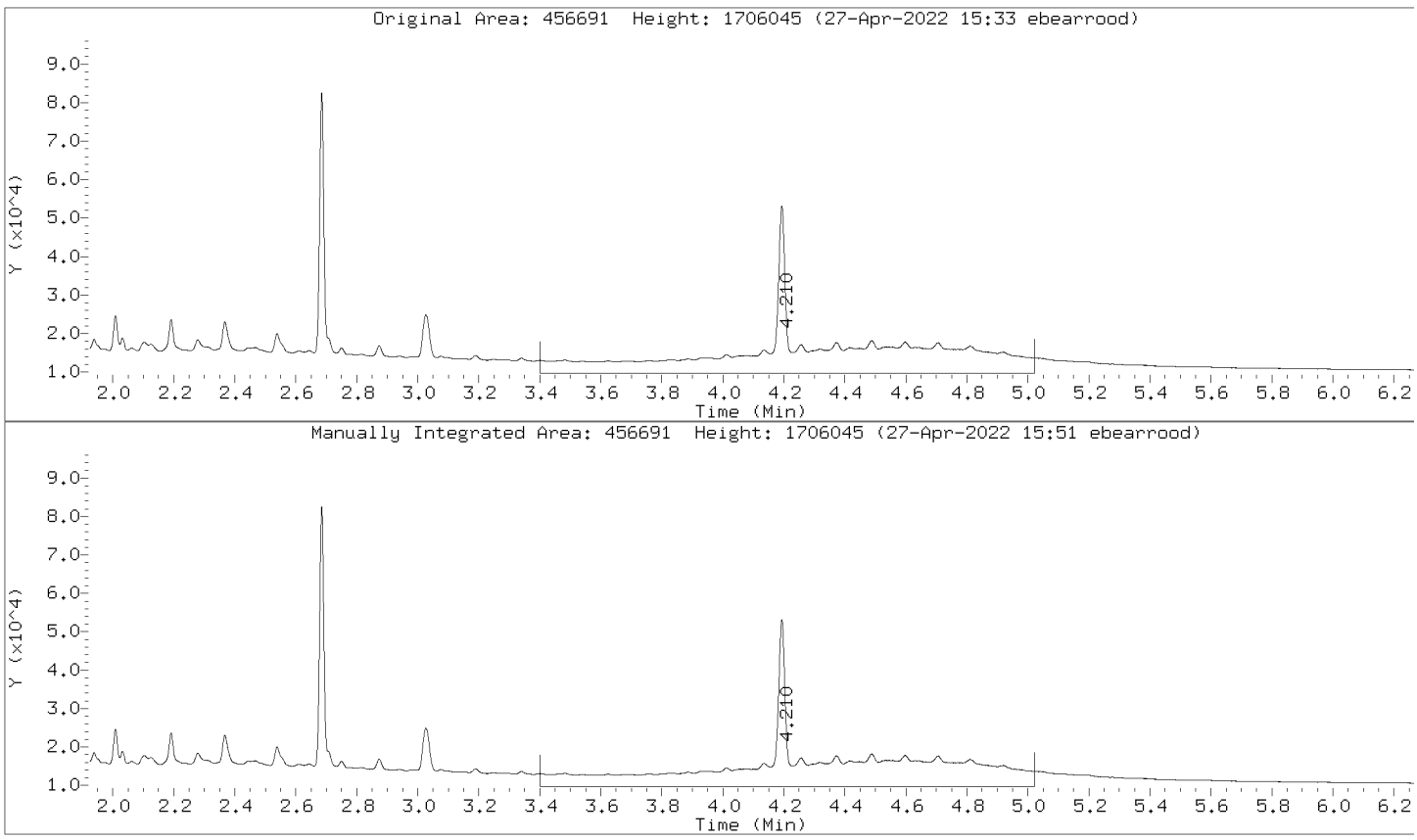
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000012.D
Injection Date: 27-APR-2022 13:45
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,362373:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



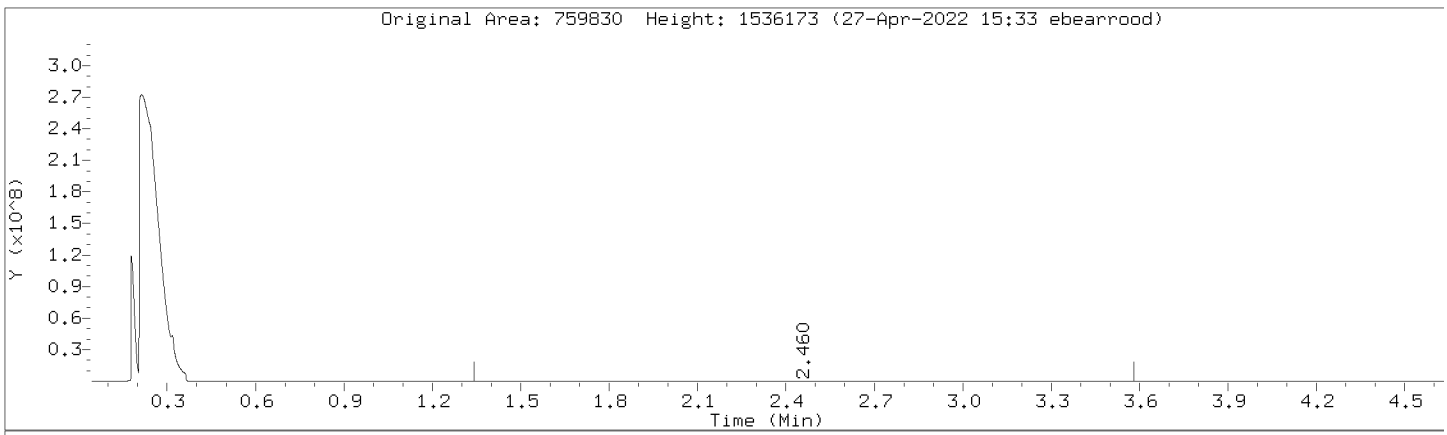
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000012.D
Injection Date: 27-APR-2022 13:45
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,362373:2

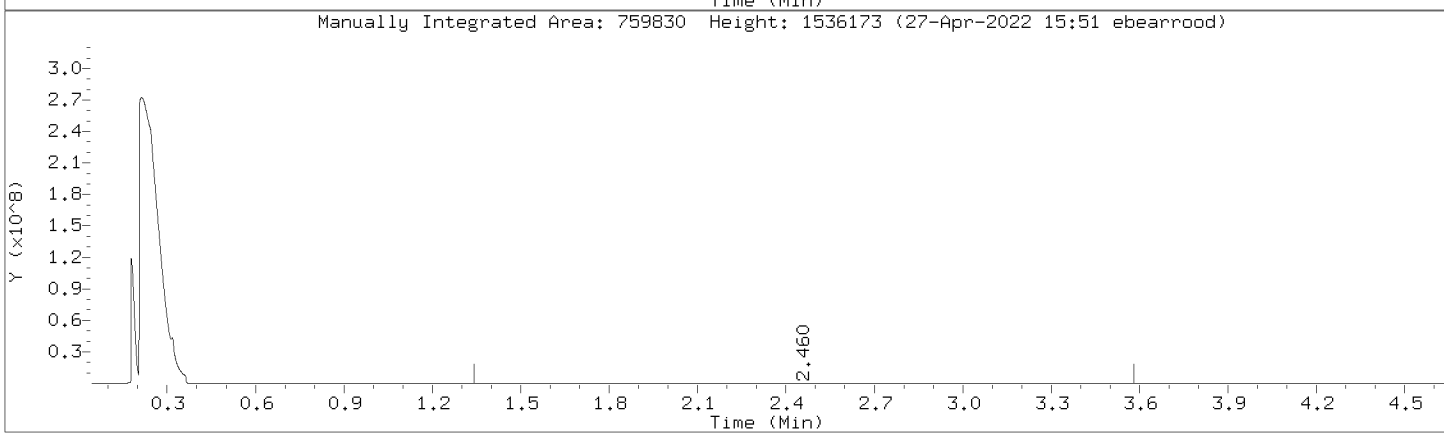
Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000012.D
Injection Date: 27-APR-2022 13:45
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,362373:2

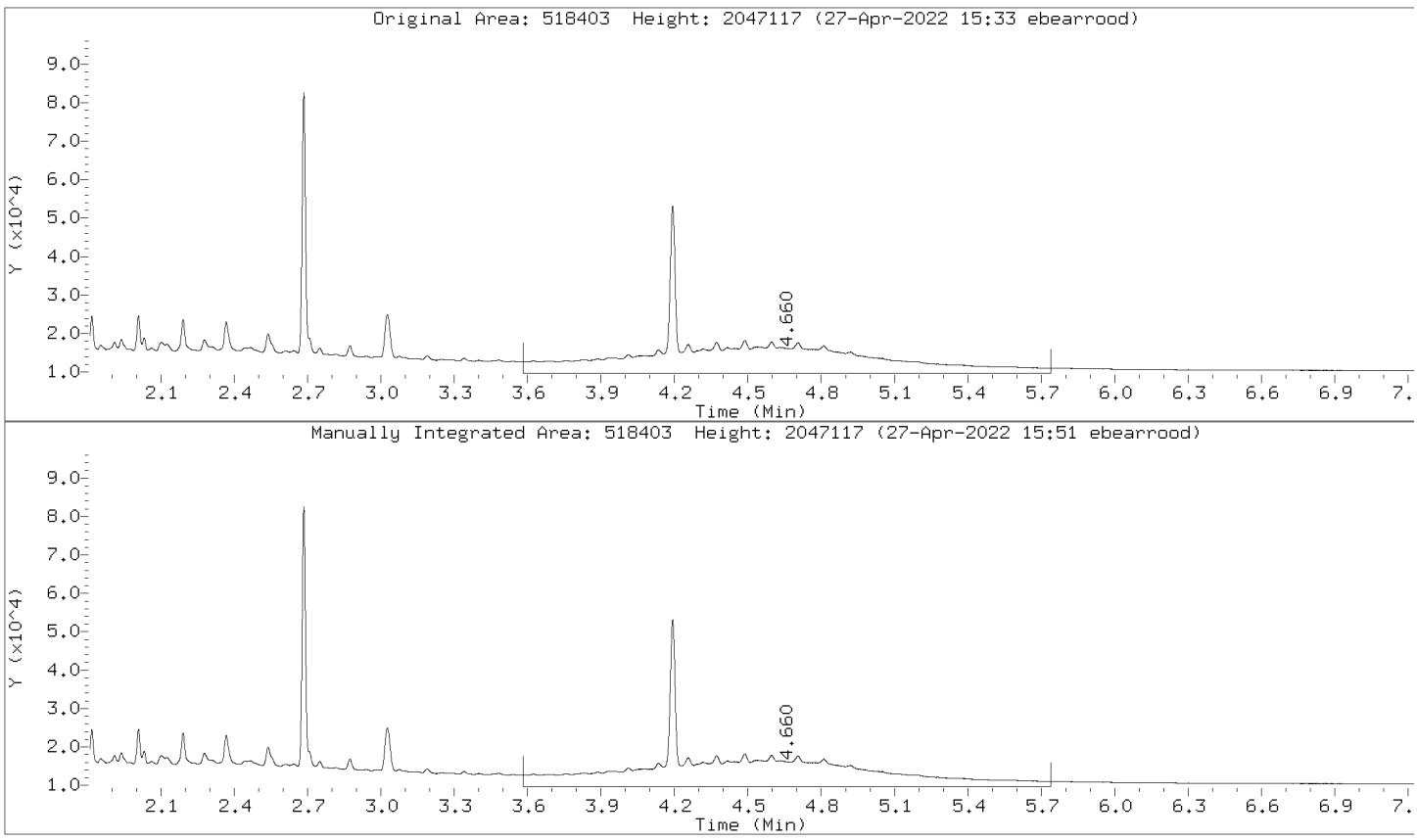
Compound: Diesel Fuel Range Review Code: RNG
CAS Number:





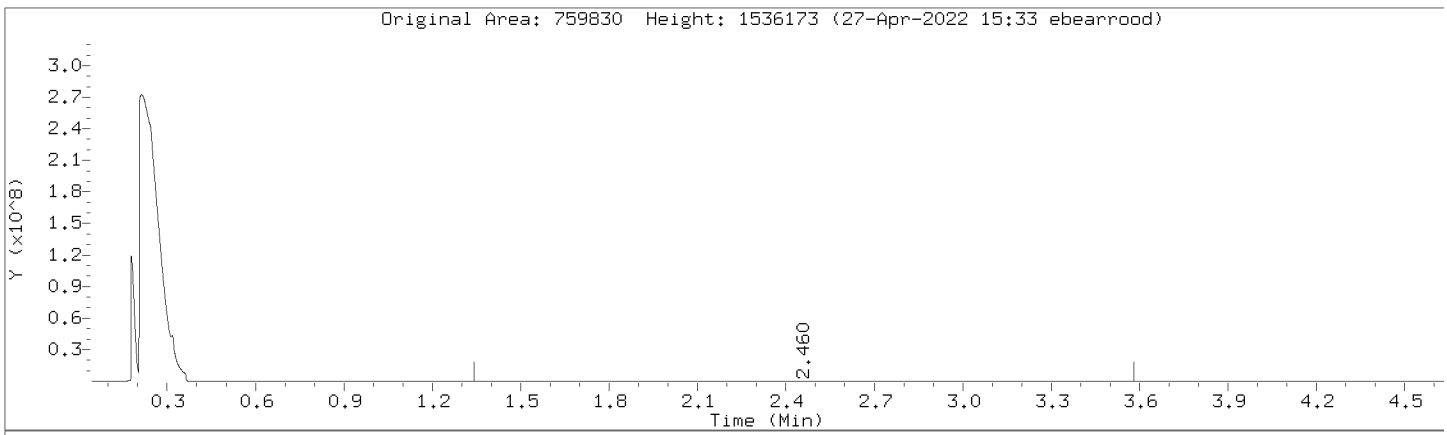
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000012.D
Injection Date: 27-APR-2022 13:45
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,362373:2

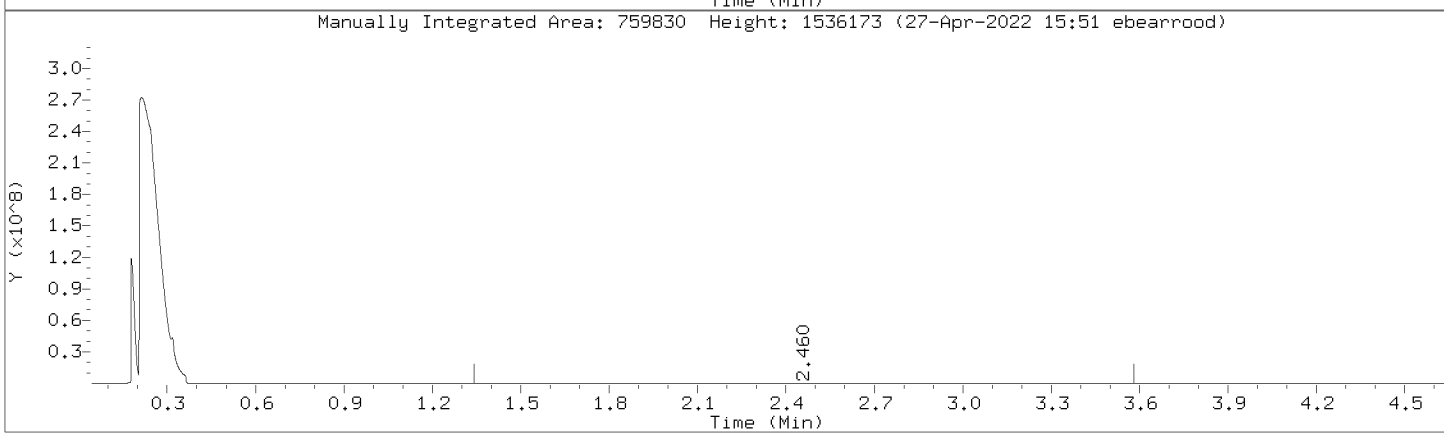
Compound: Motor Oil Range Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000012.D
Injection Date: 27-APR-2022 13:45
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,362373:2

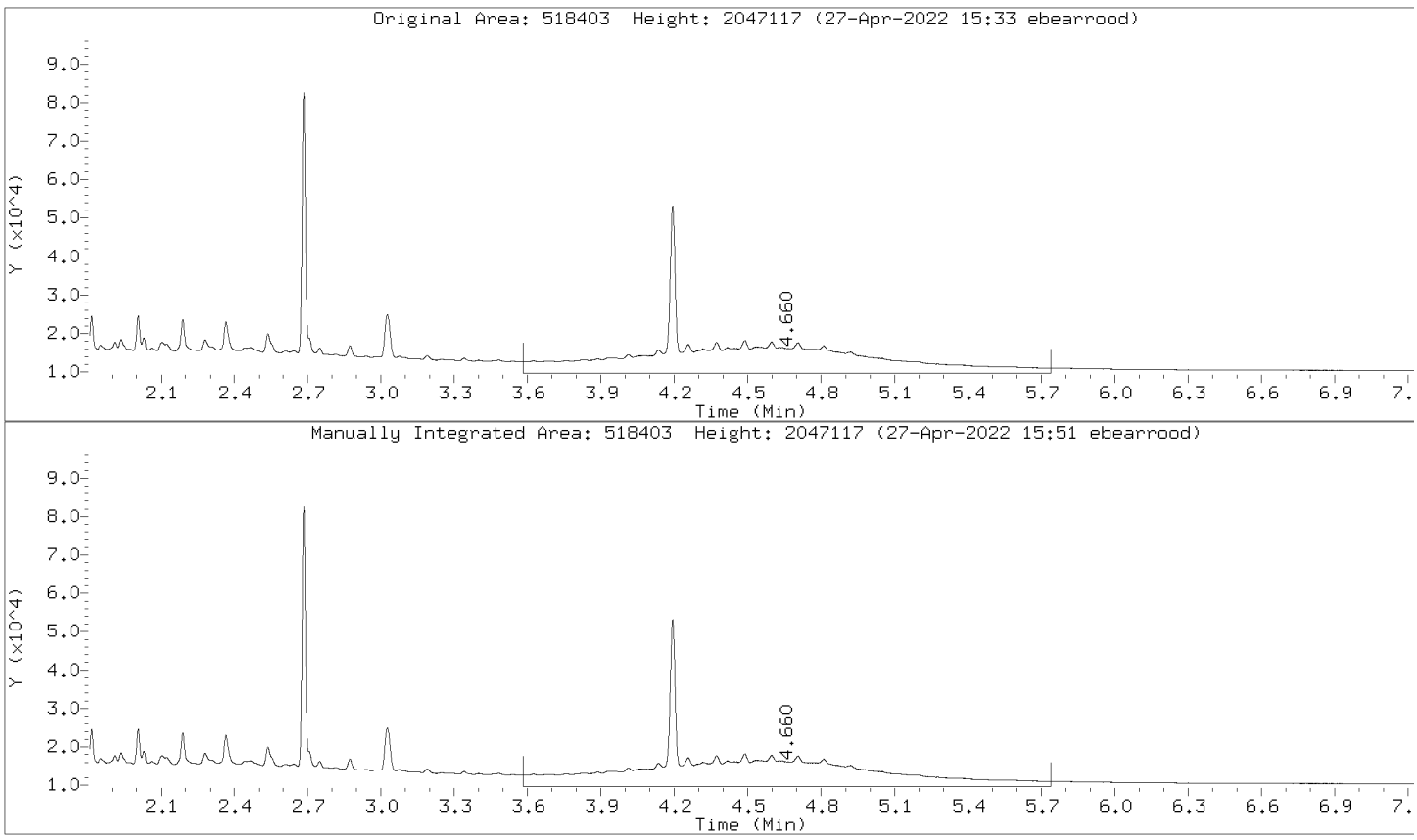
Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:





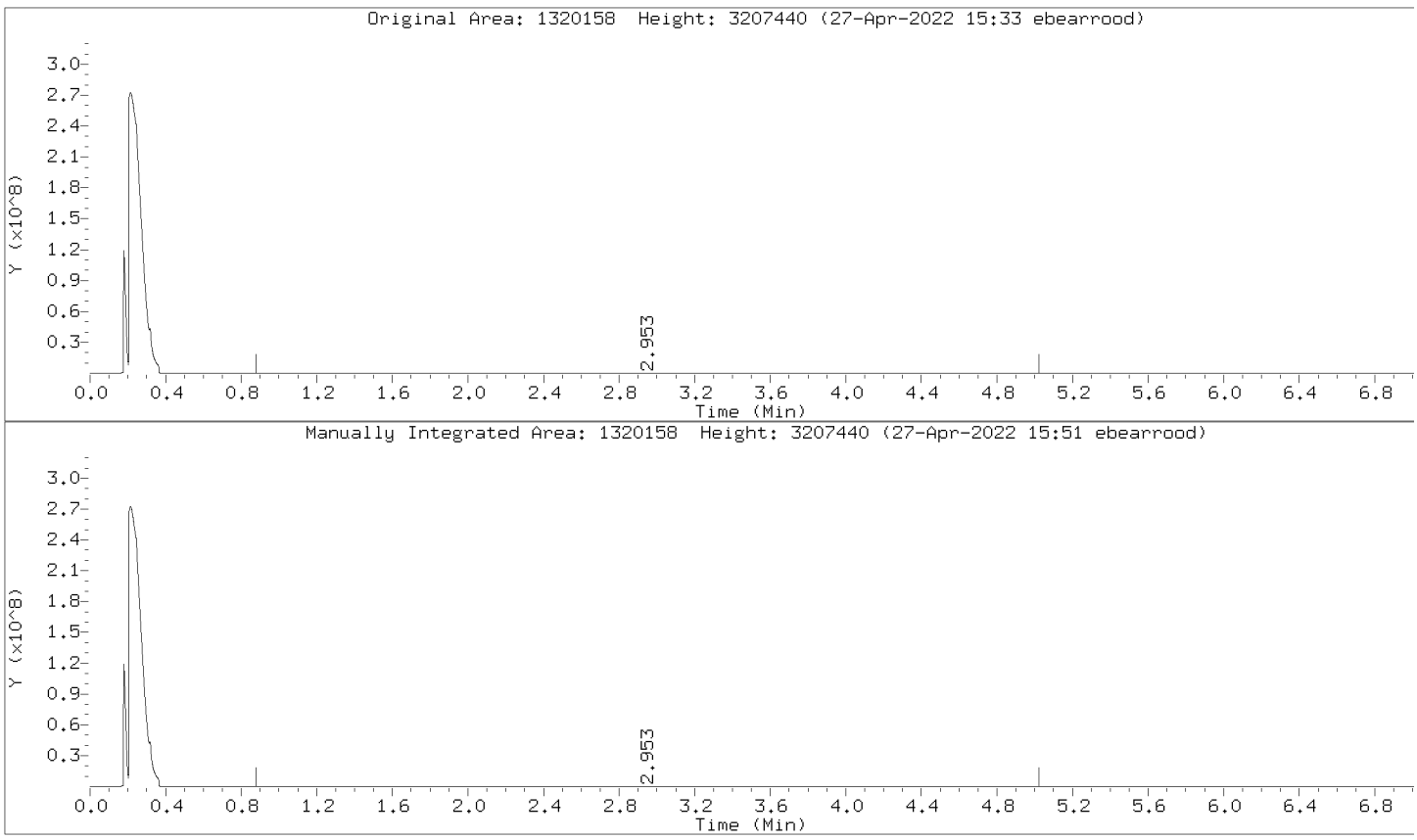
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000012.D
Injection Date: 27-APR-2022 13:45
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,362373:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



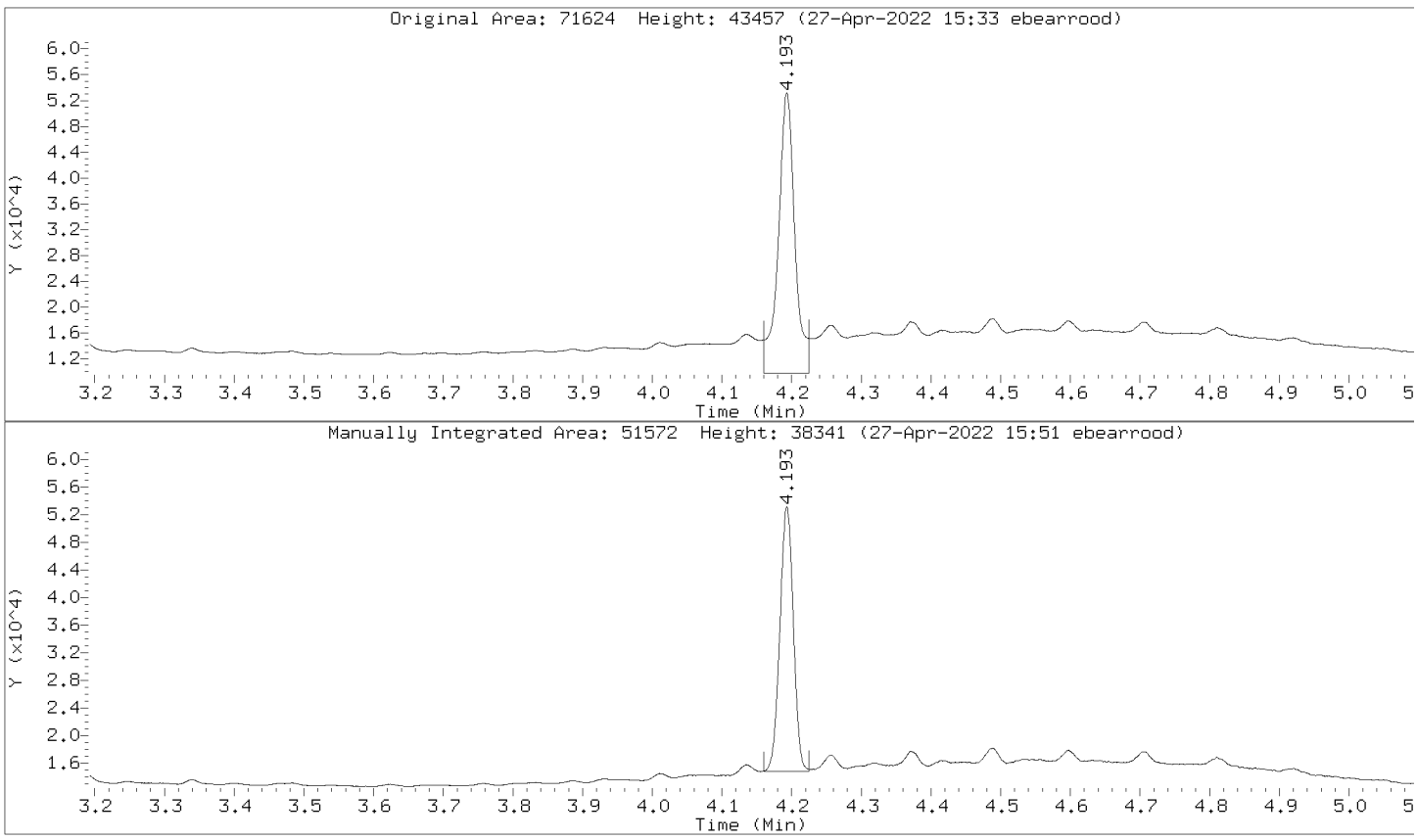
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000012.D
Injection Date: 27-APR-2022 13:45
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,362373:2

Compound: C10-C36 Review Code: RNG
CAS Number:



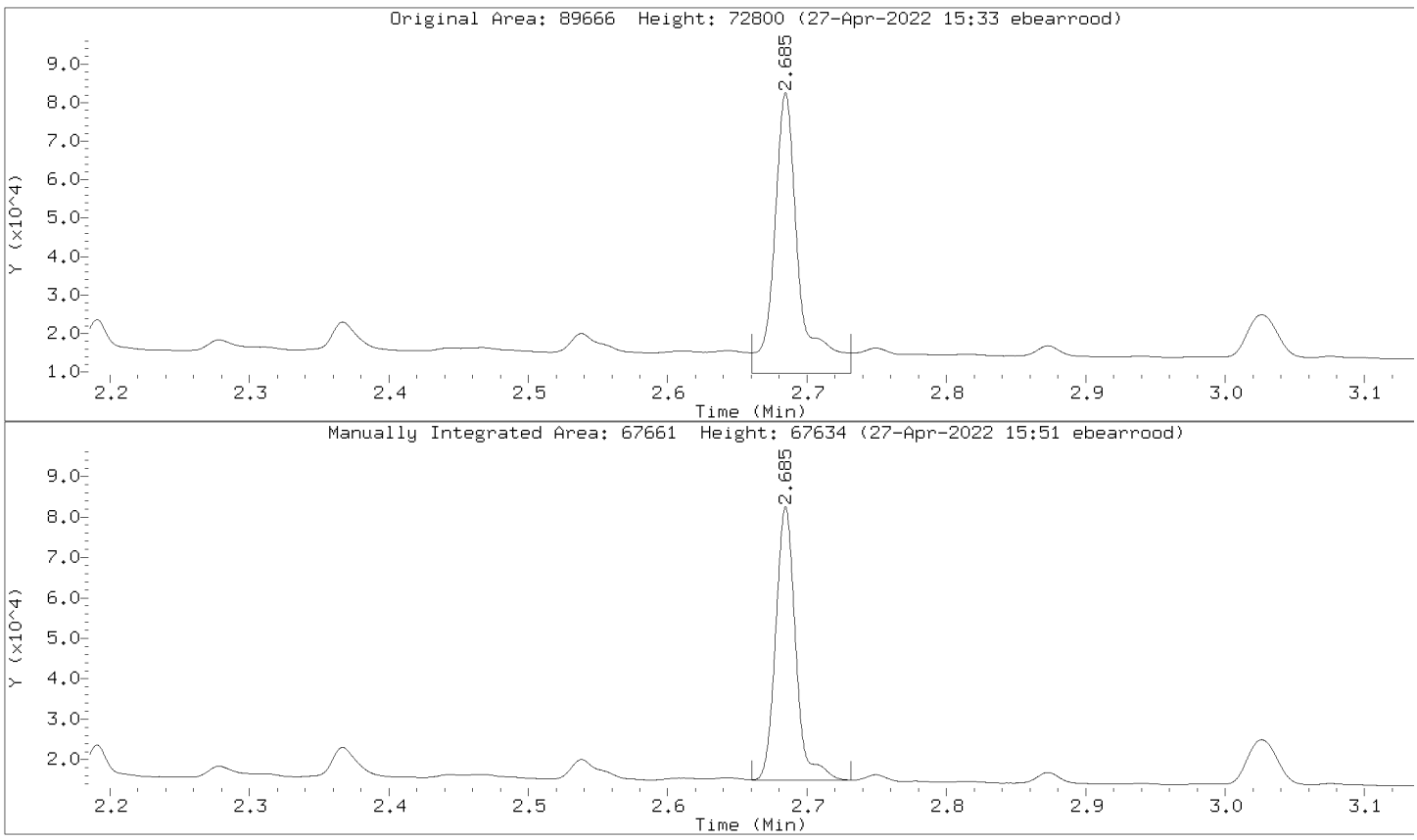
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000012.D
Injection Date: 27-APR-2022 13:45
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,362373:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000012.D
Injection Date: 27-APR-2022 13:45
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,362373:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000013.D
Lab Smp Id: DMO-CAL6,362374:2 Client Smp ID: DMO-CAL6,362374:2
Inj Date : 27-APR-2022 13:57
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-cal6,362374:2
Misc Info : 39205
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\042722R.b\GCSFakNW8015-042722_3920
Meth Date : 27-Apr-2022 16:06 ebearrood Quant Type: ESTD
Cal Date : 27-APR-2022 14:42 Cal File: 0427R0000017.D
Als bottle: 83 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.885	- 3.540		1816320	250.000	253	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.685	2.685	0.000	169620	25.0000	25.1	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.193	4.193	0.000	132262	25.0000	24.9	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.541	- 5.020		995322	250.000	253	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.885	- 4.099		2067409	250.000	254	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.400	- 5.020		1048038	250.000	254	(M)	RNG
S 7 C10-C36					CAS #:		
0.885	- 5.020		2811643	500.000	507	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.340	- 3.580		1534479	250.000	253	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.340	- 3.580		1534479	250.000	253	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.581	- 5.740		1215359	250.000	249	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.581	- 5.740		1215359	250.000	249	(M)	RNG

QC Flag Legend

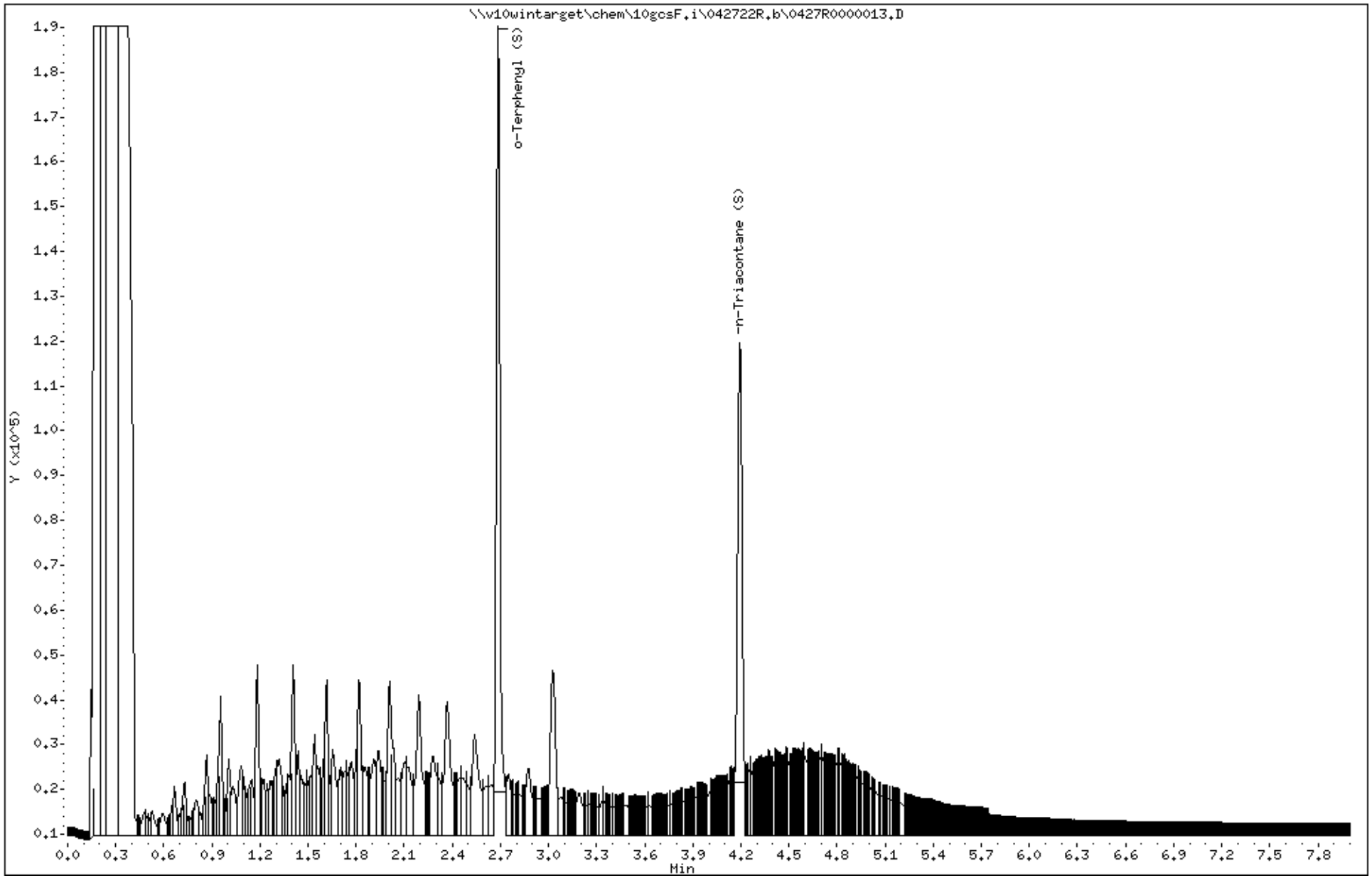
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

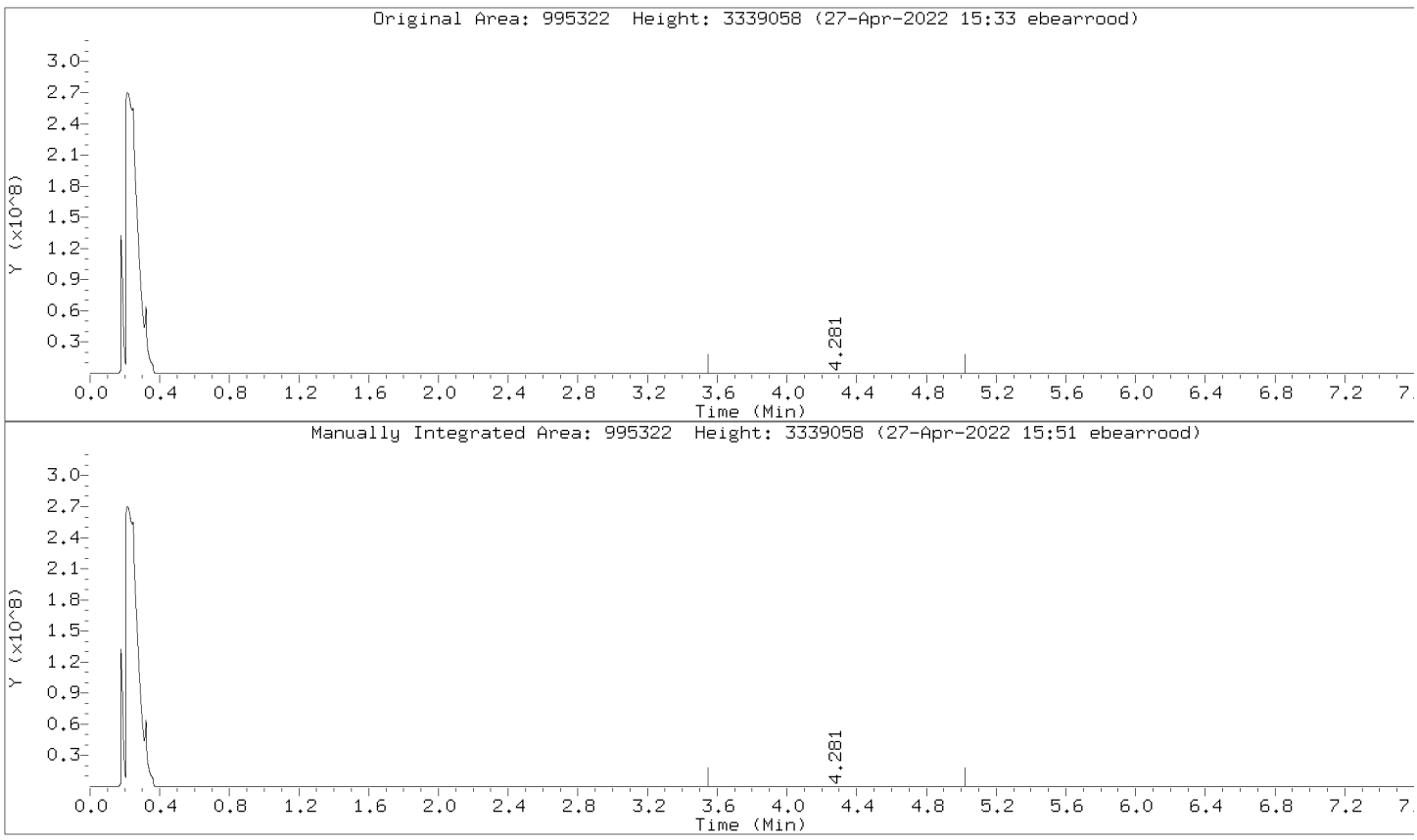
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000013.D
Date : 27-APR-2022 13:57
Client ID: DMO-CAL6,362374:2
Sample Info: DMO-CAL6,362374:2

Instrument: 10gcsF.i
Operator: EB3
Column phase: DB-5-US21430033
Column diameter: 0.32



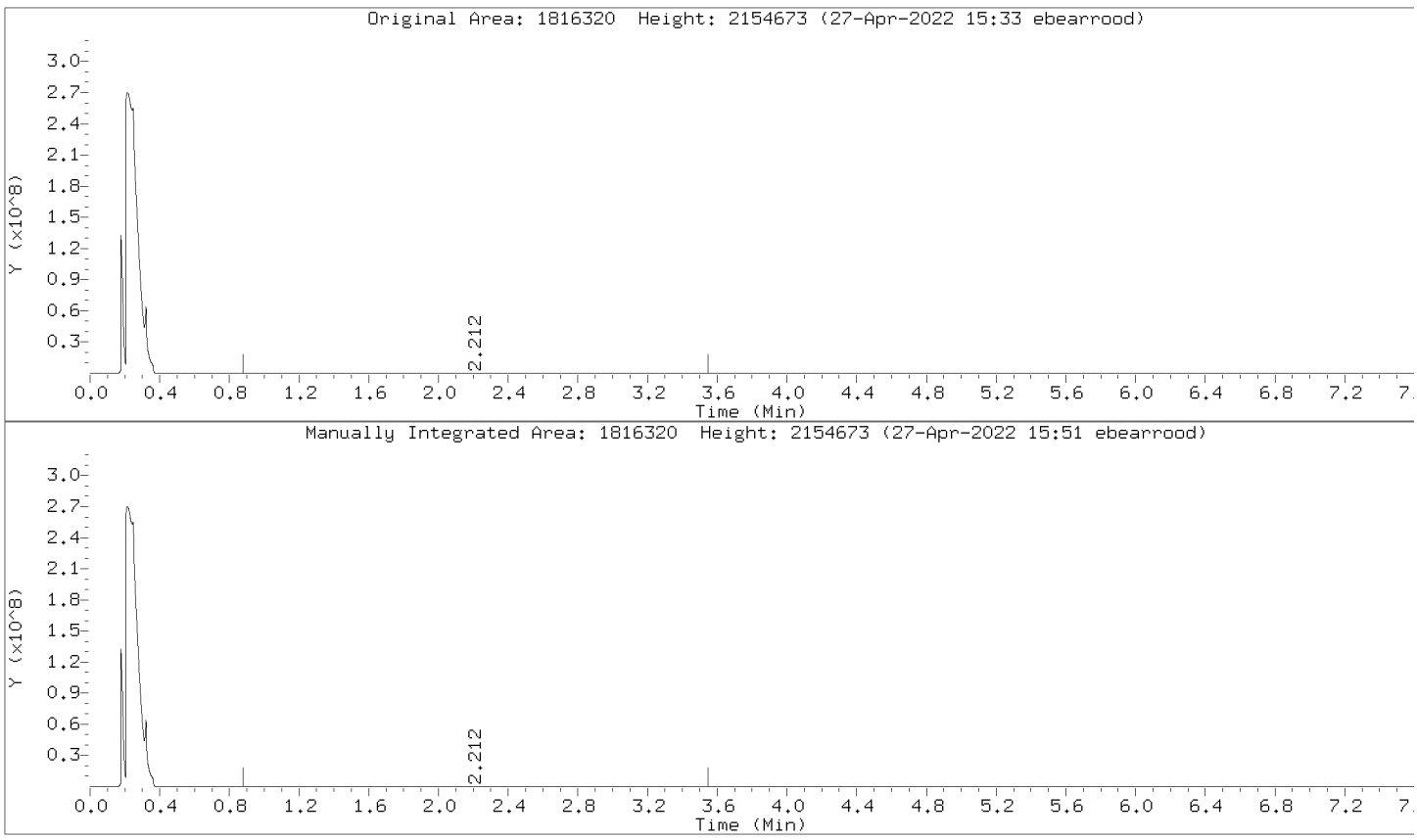
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000013.D
Injection Date: 27-APR-2022 13:57
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,362374:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



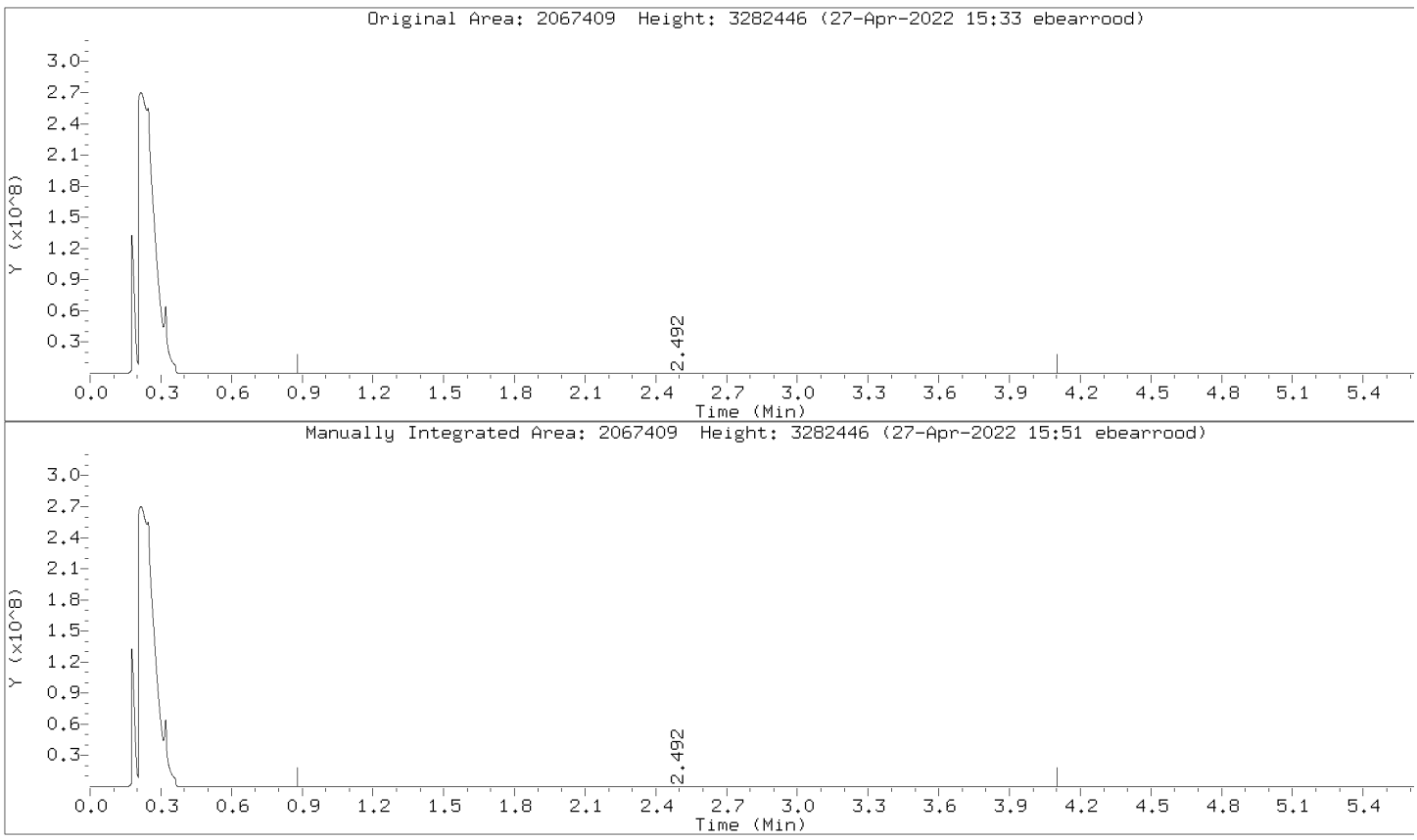
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000013.D
Injection Date: 27-APR-2022 13:57
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,362374:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



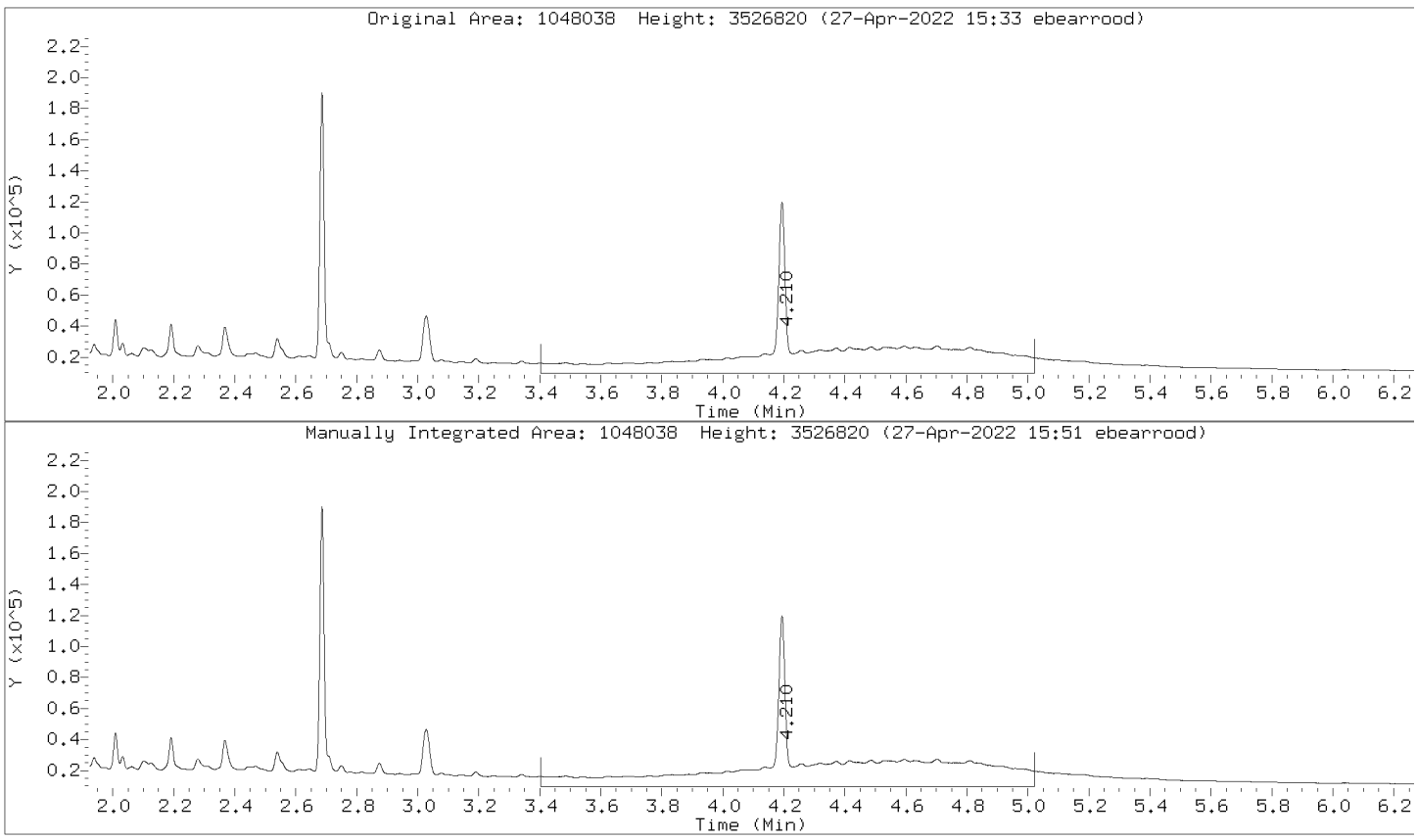
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000013.D
Injection Date: 27-APR-2022 13:57
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,362374:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



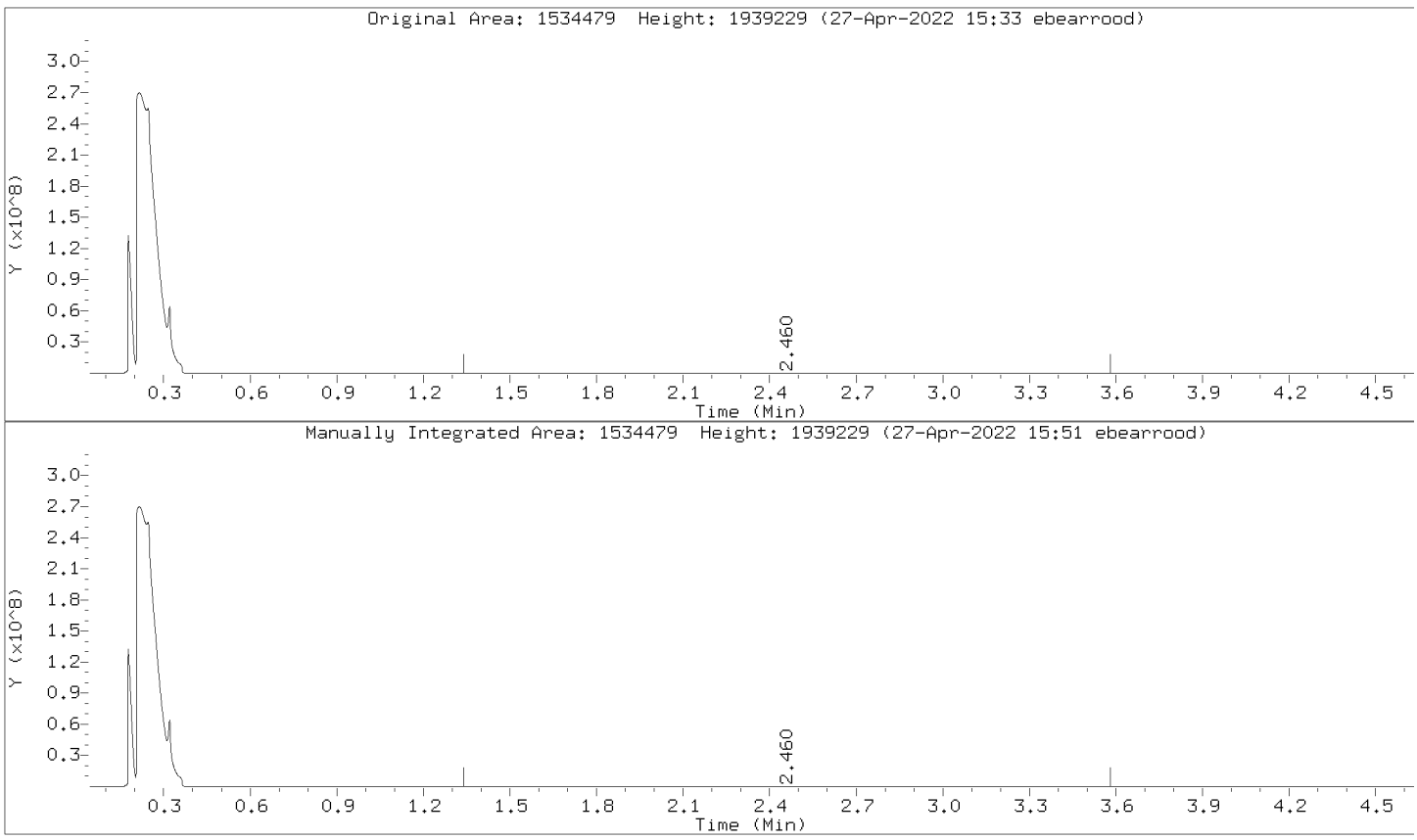
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000013.D
Injection Date: 27-APR-2022 13:57
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,362374:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



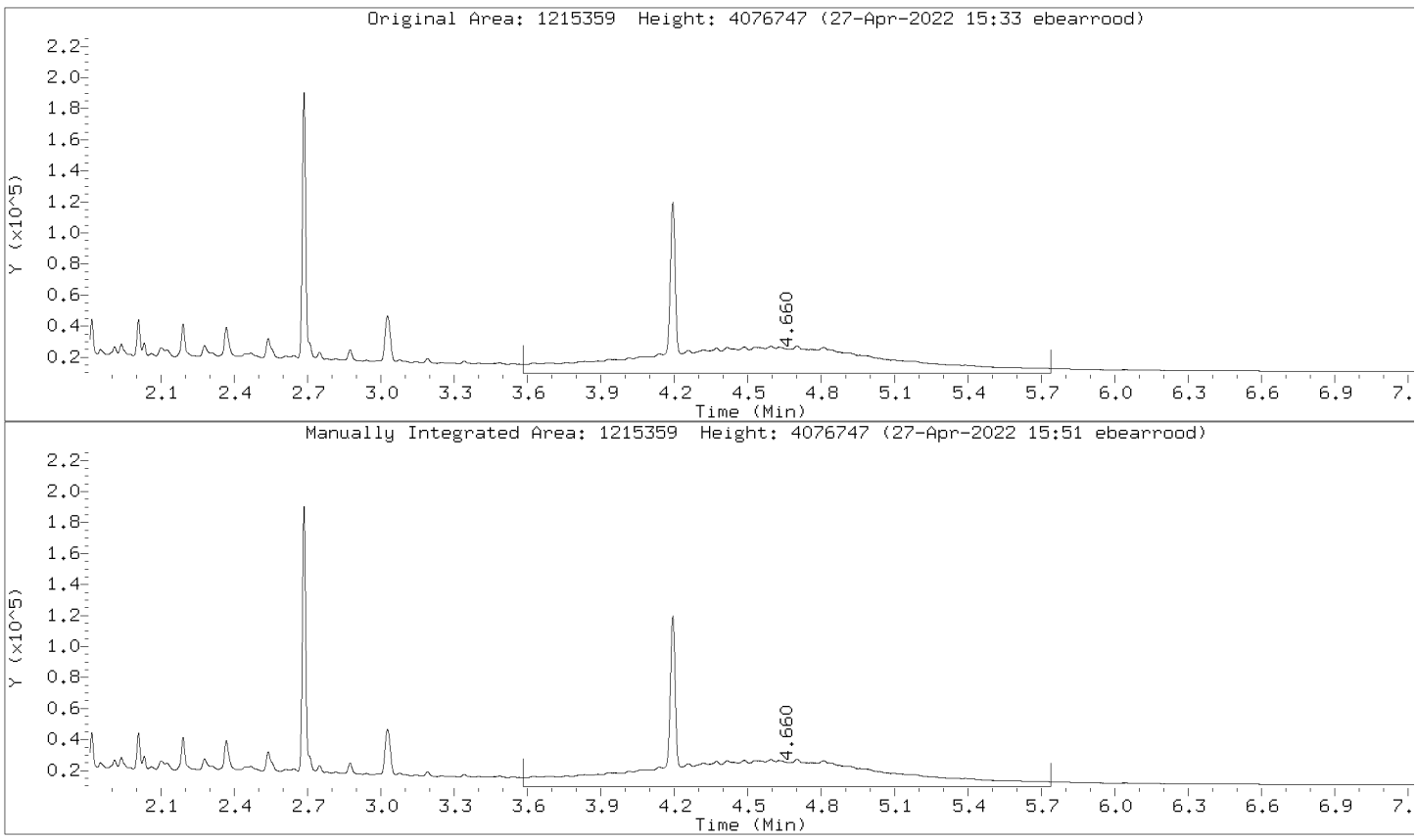
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000013.D
Injection Date: 27-APR-2022 13:57
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,362374:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



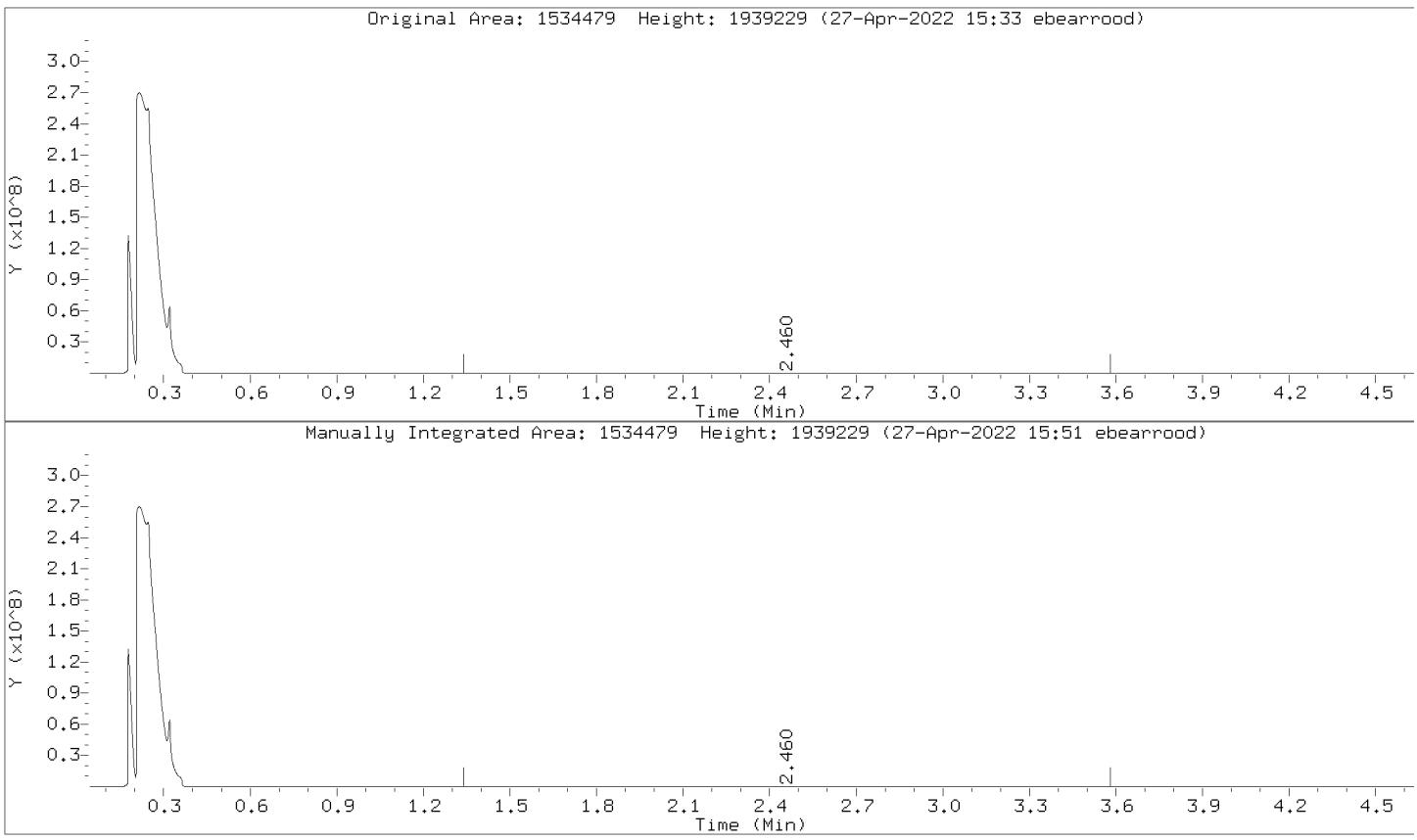
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000013.D
Injection Date: 27-APR-2022 13:57
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,362374:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



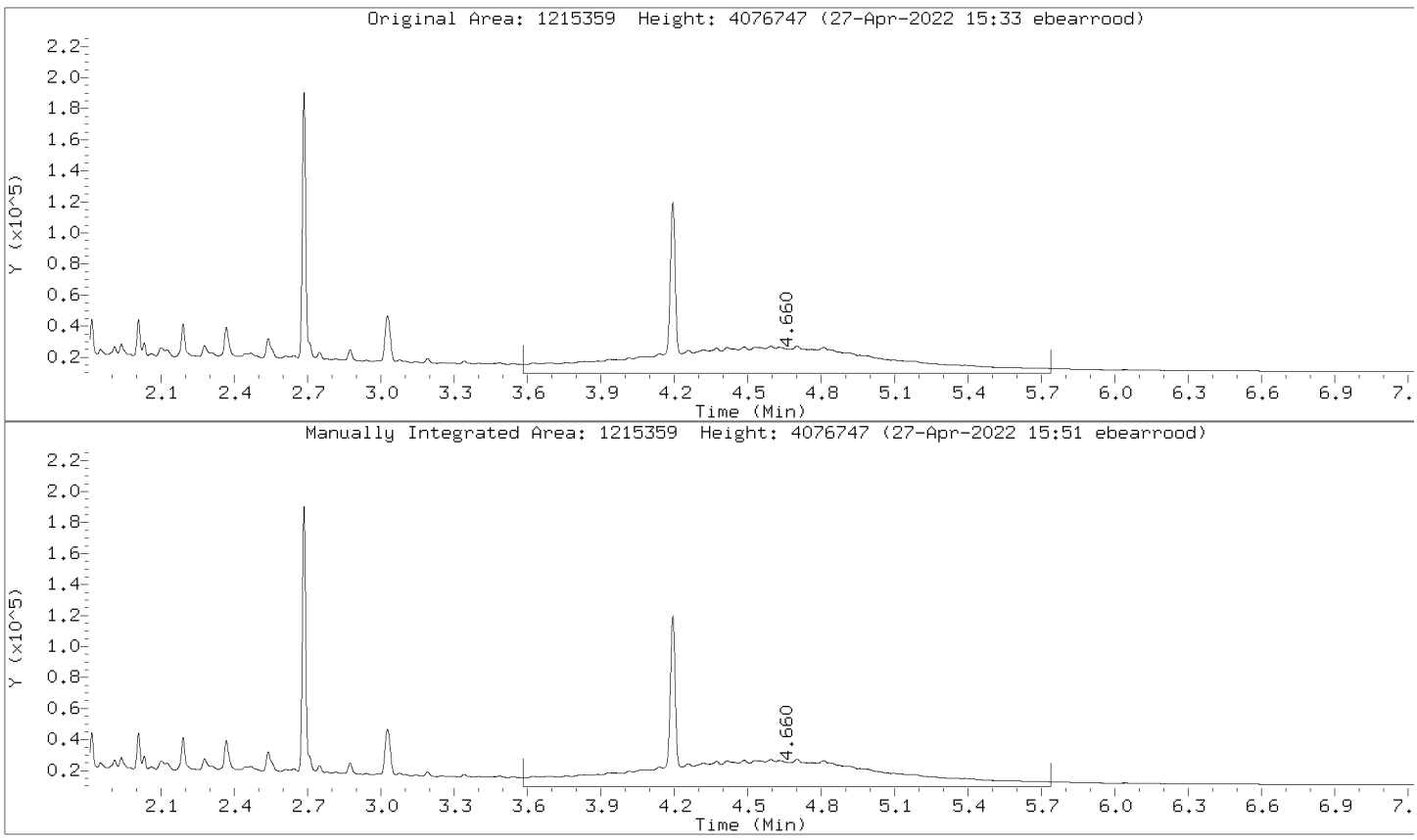
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000013.D
Injection Date: 27-APR-2022 13:57
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,362374:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



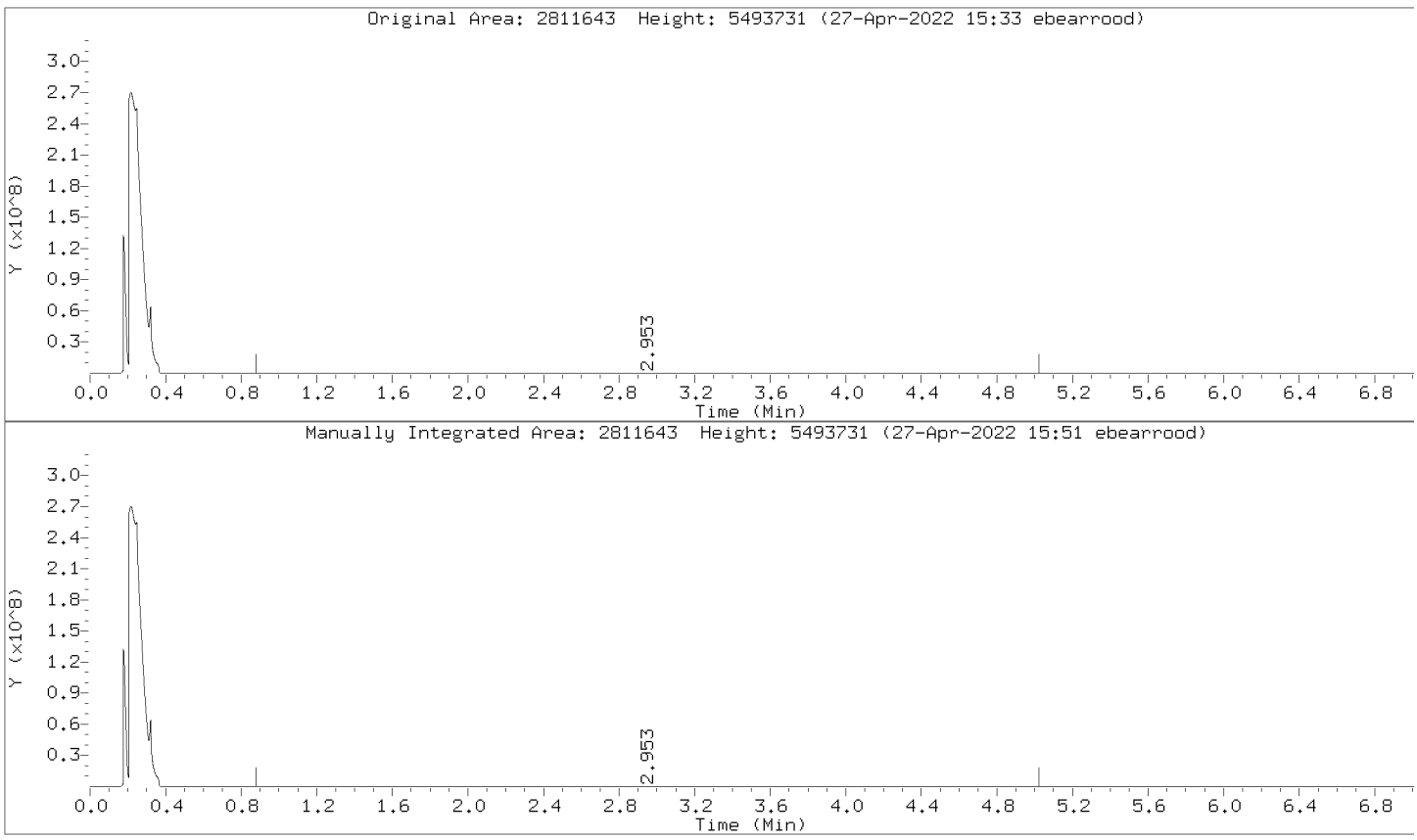
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000013.D
Injection Date: 27-APR-2022 13:57
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,362374:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



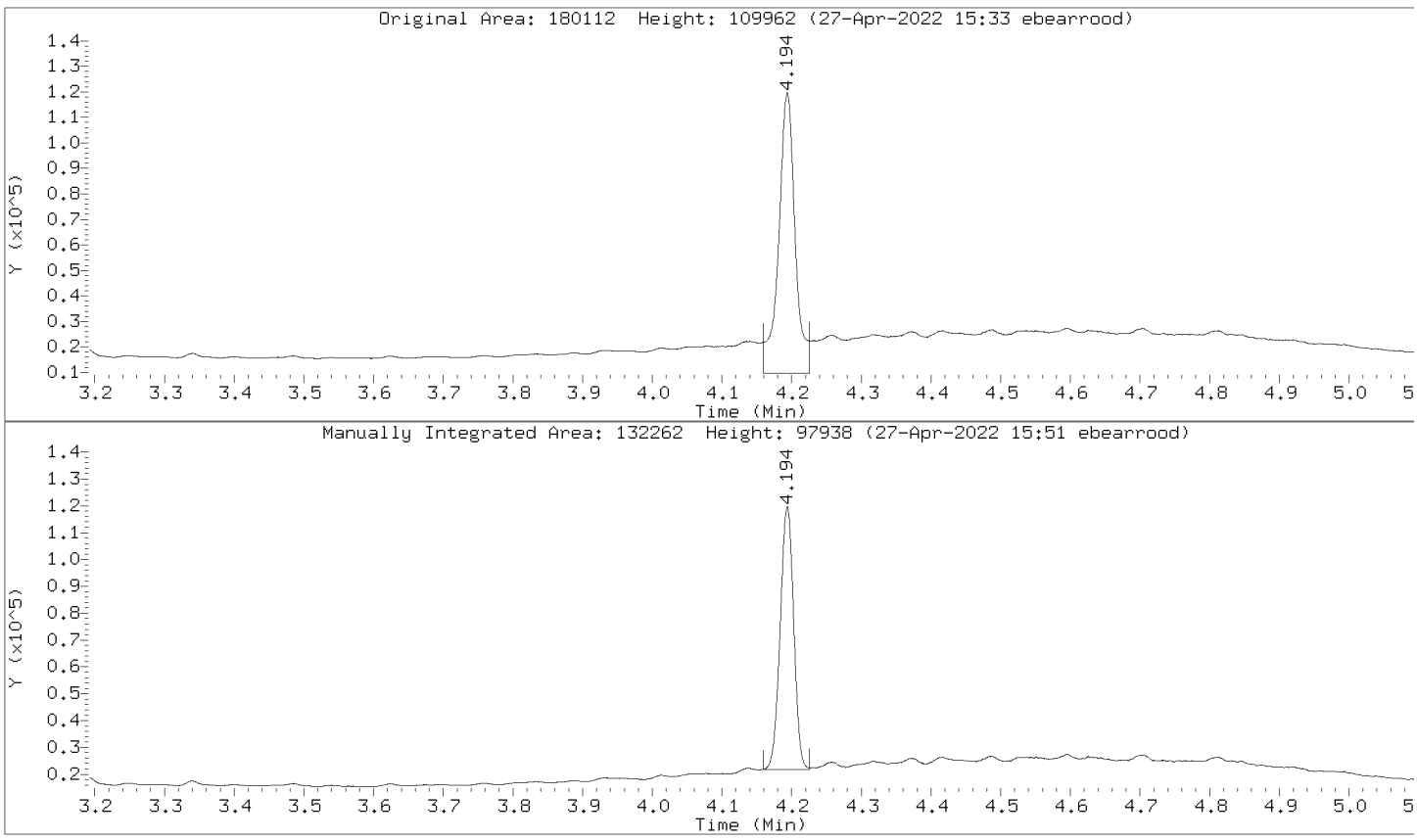
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000013.D
Injection Date: 27-APR-2022 13:57
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,362374:2

Compound: C10-C36 Review Code: RNG
CAS Number:



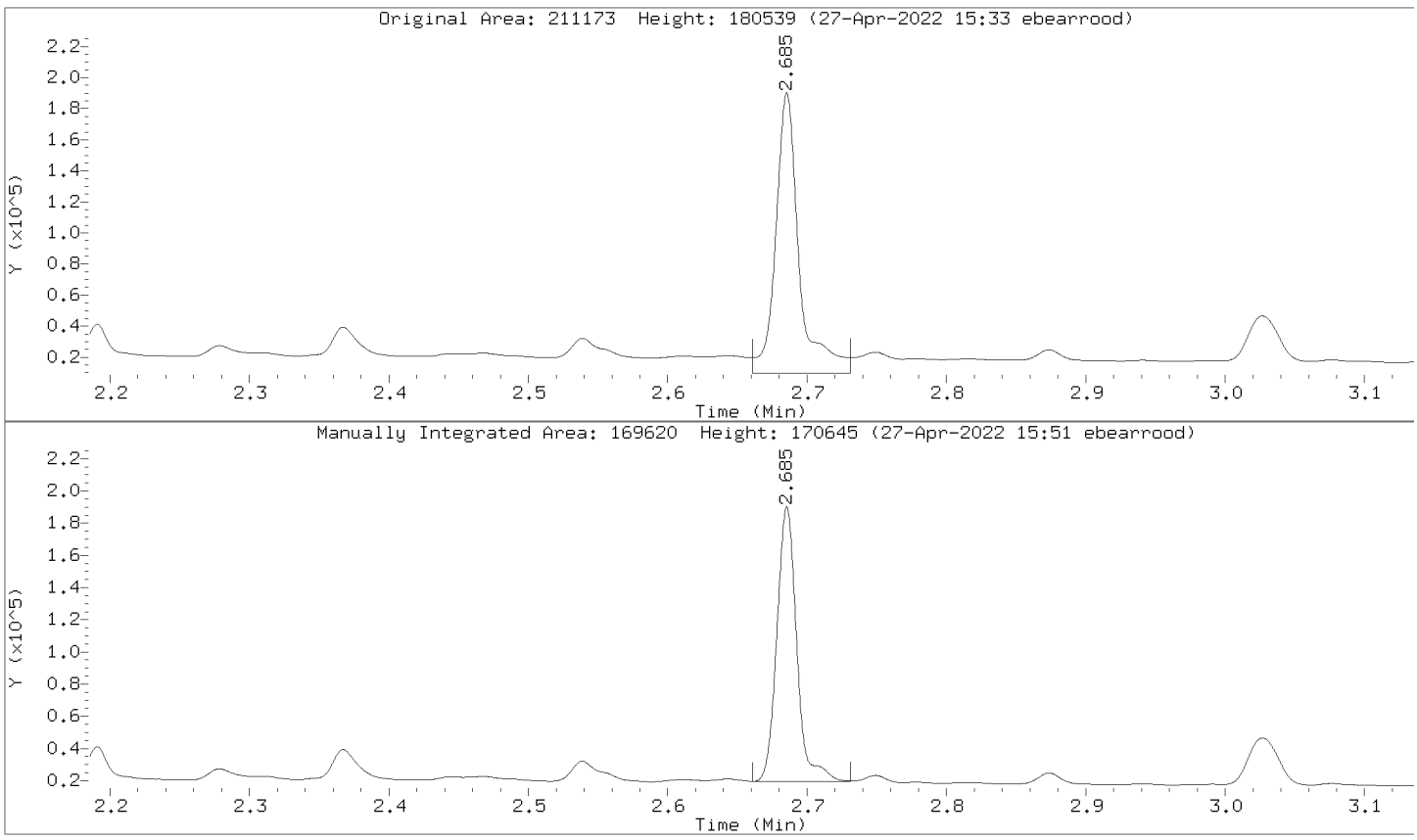
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000013.D
Injection Date: 27-APR-2022 13:57
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,362374:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000013.D
Injection Date: 27-APR-2022 13:57
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,362374:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000014.D
Lab Smp Id: DMO-CAL7,362375:2 Client Smp ID: DMO-CAL7,362375:2
Inj Date : 27-APR-2022 14:08
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-cal7,362375:2
Misc Info : 39205
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\042722R.b\GCSFakNW8015-042722_3920
Meth Date : 27-Apr-2022 16:06 ebearrood Quant Type: ESTD
Cal Date : 27-APR-2022 14:42 Cal File: 0427R0000017.D
Als bottle: 84 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.885	- 3.540		3278745	500.000	509	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.686	2.685	0.001	339936	50.0000	50.9	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.196	4.193	0.003	266300	50.0000	50.9	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.541	- 5.020		1893104	500.000	511	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.885	- 4.099		3731684	500.000	508	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.400	- 5.020		1980340	500.000	511	(M)	RNG
S 7 C10-C36					CAS #:		
0.885	- 5.020		5171850	1000.00	1020	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.340	- 3.580		2757231	500.000	508	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.340	- 3.580		2757231	500.000	508	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.581	- 5.740		2350876	500.000	507	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.581	- 5.740		2350876	500.000	507	(M)	RNG

QC Flag Legend

M - Compound response manually integrated.

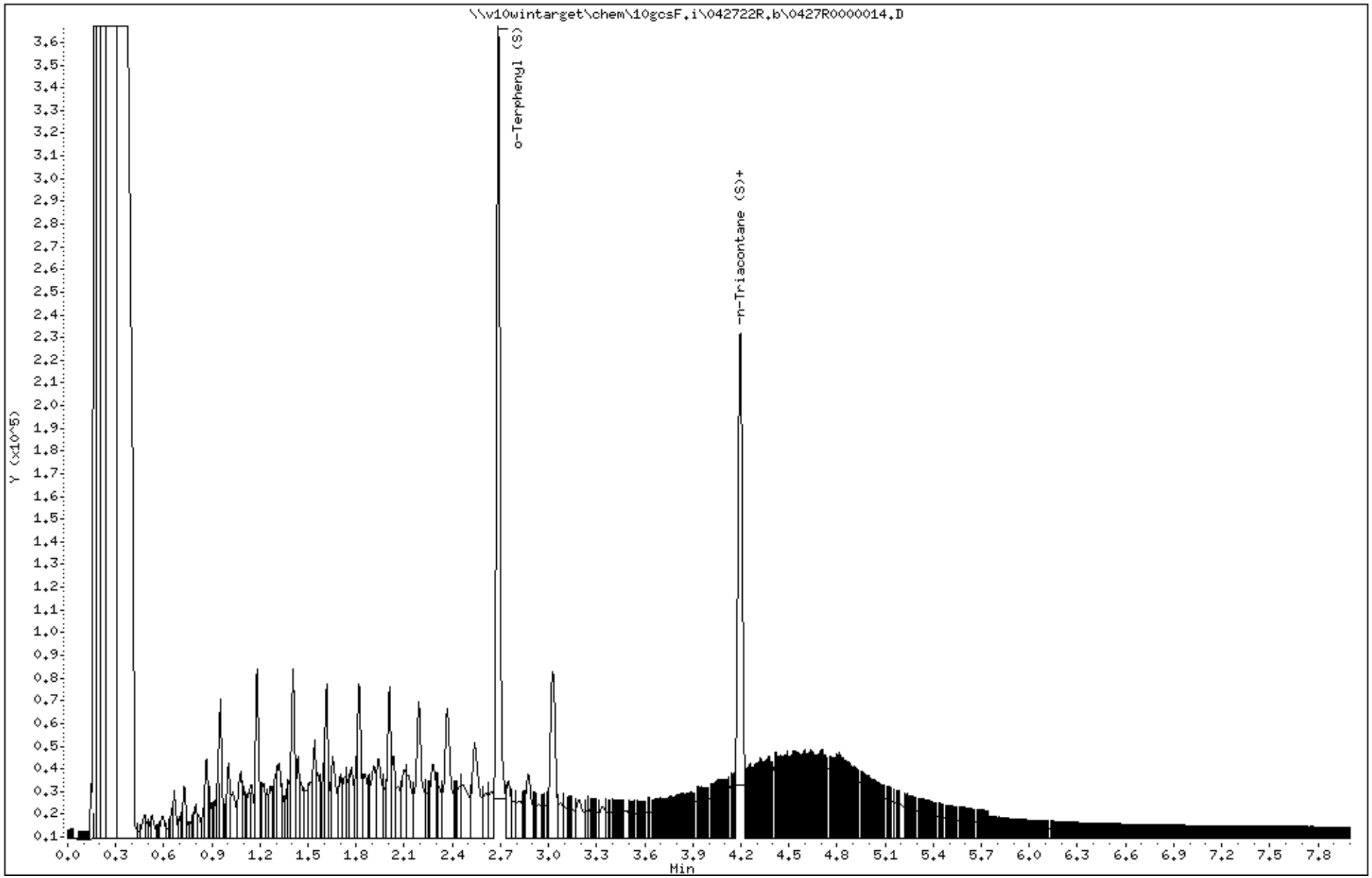
Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000014.D
Date : 27-APR-2022 14:08
Client ID: DMO-CAL7,362375:2
Sample Info: DMO-CAL7,362375:2

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32

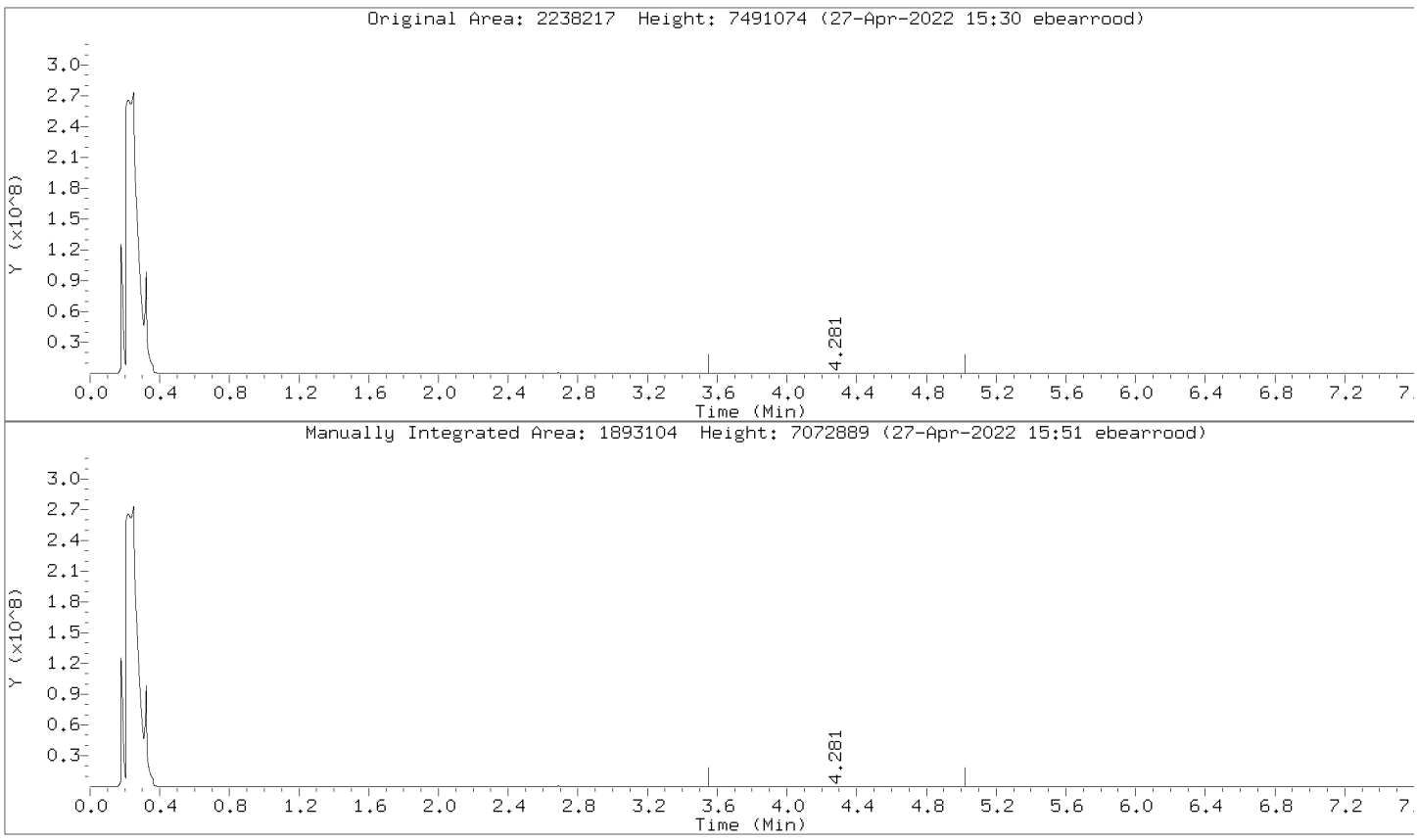
Column phase: DB-5-US21430033



214 of 1320
142 of 777
10606395

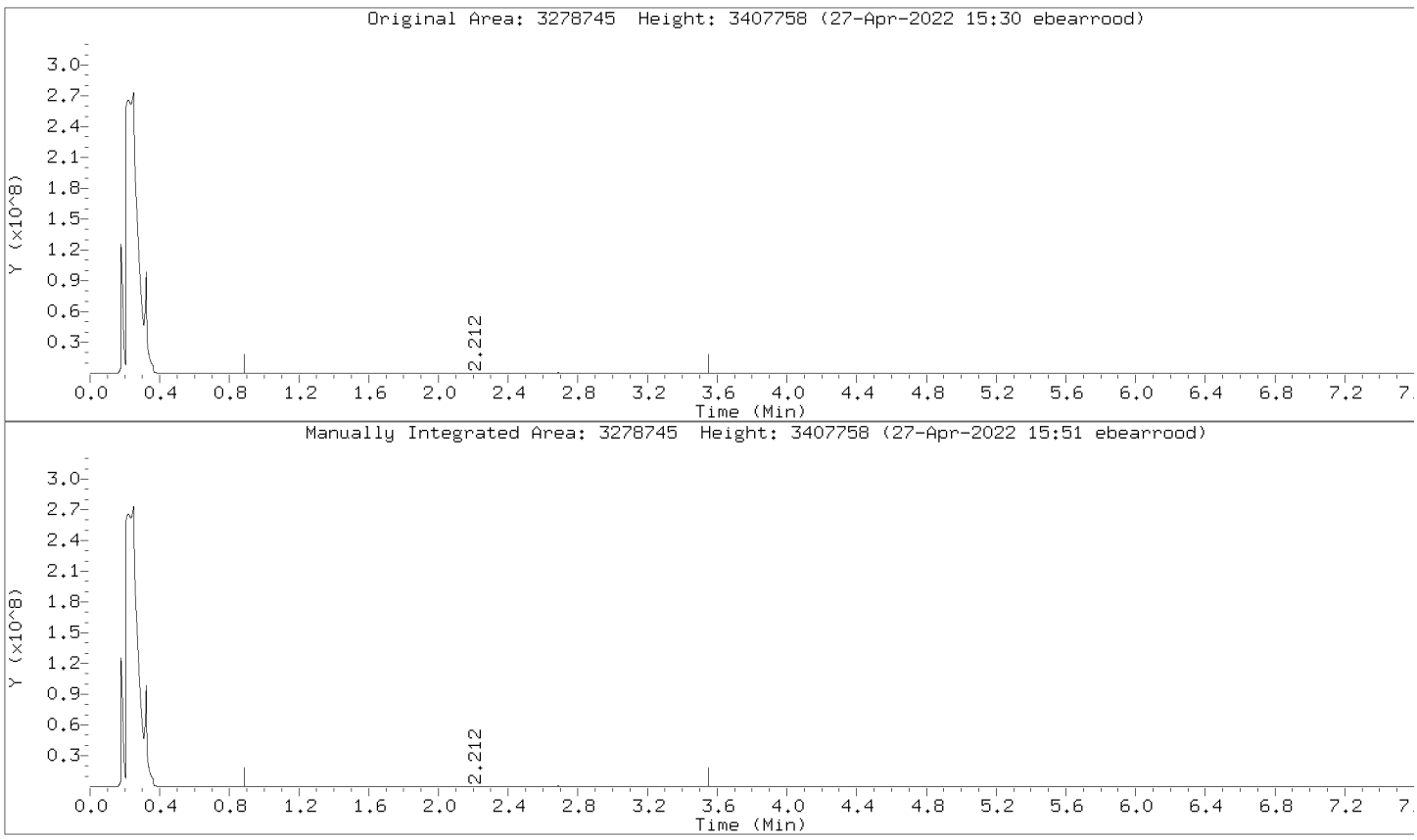
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000014.D
Injection Date: 27-APR-2022 14:08
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,362375:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



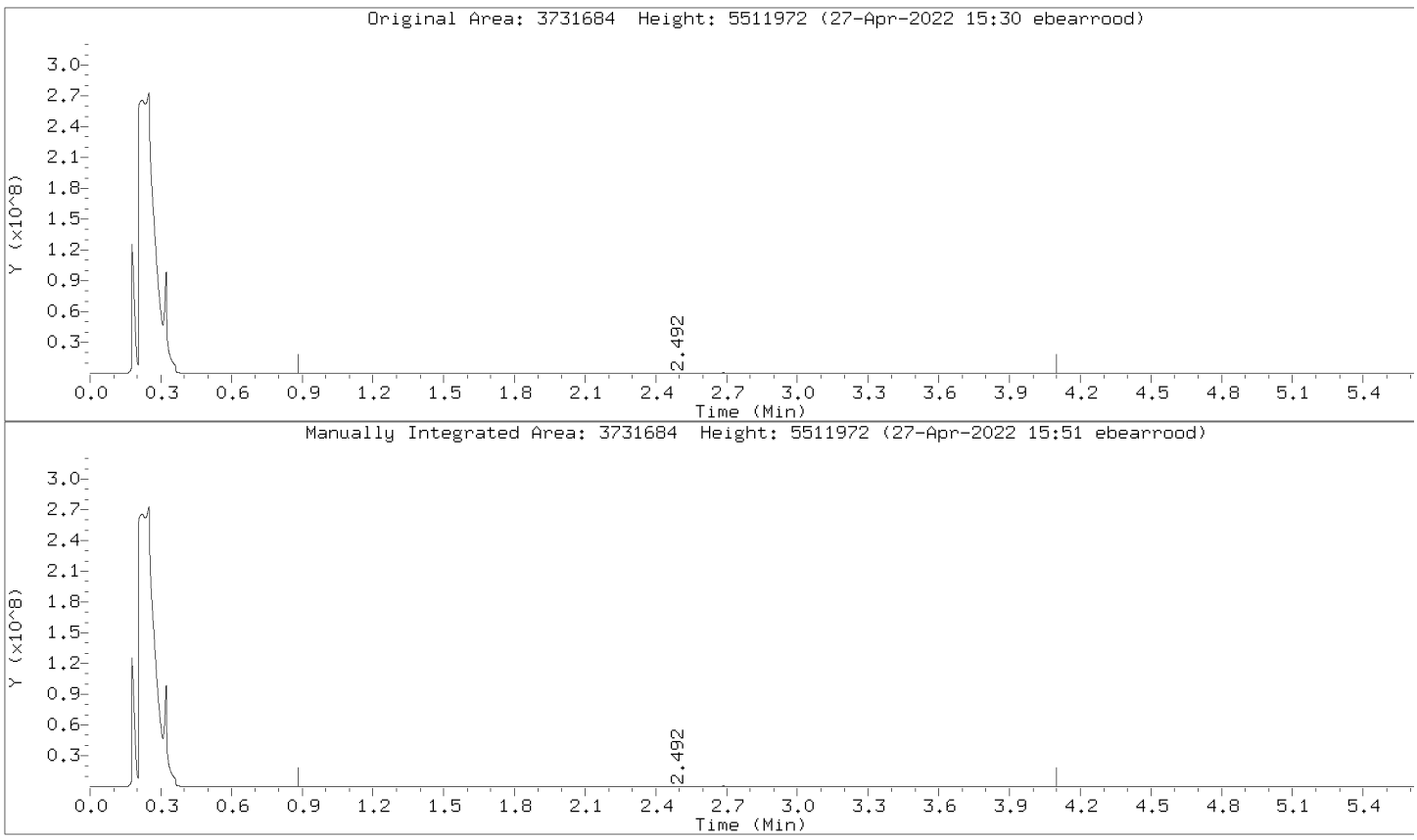
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000014.D
Injection Date: 27-APR-2022 14:08
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,362375:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



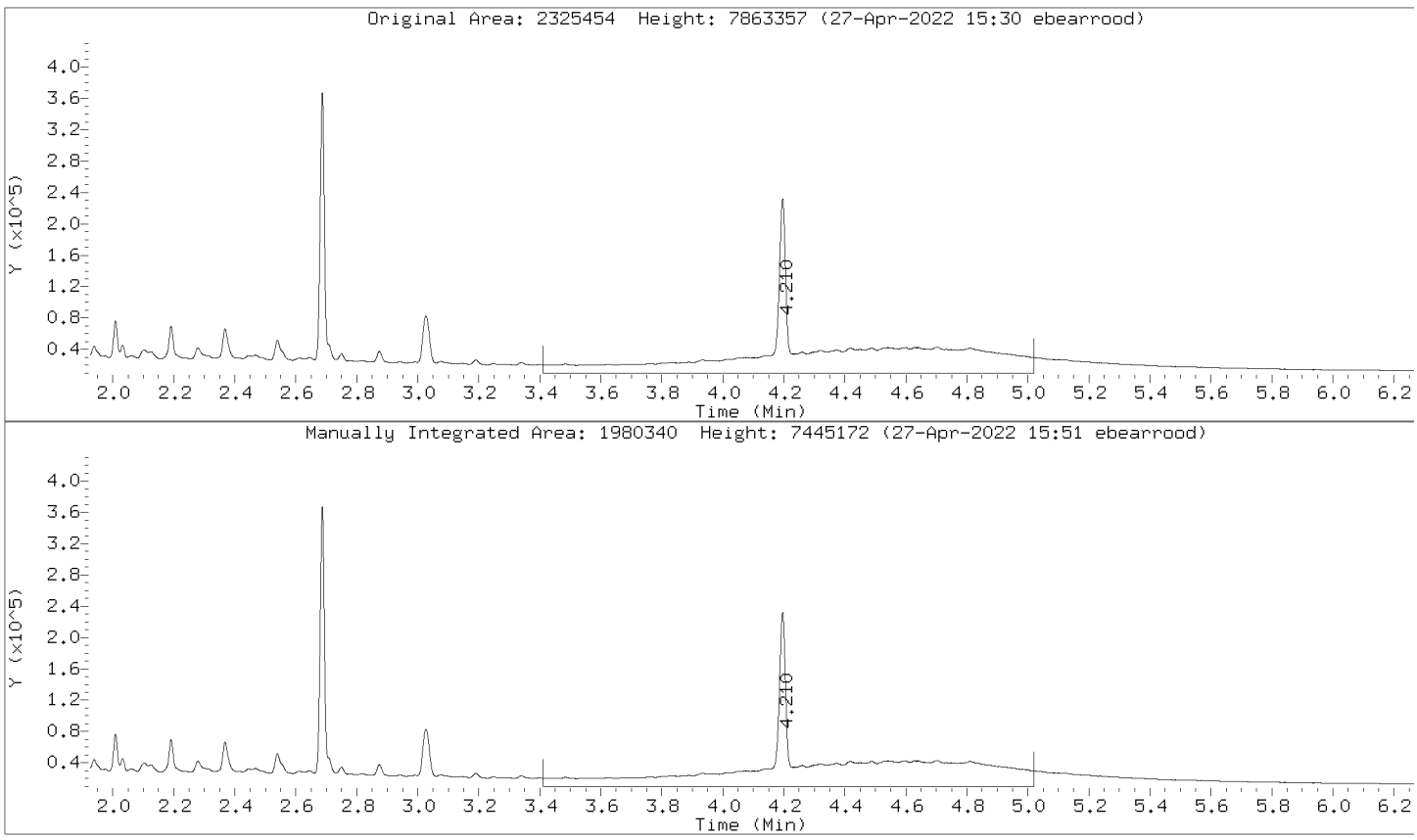
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000014.D
Injection Date: 27-APR-2022 14:08
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,362375:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



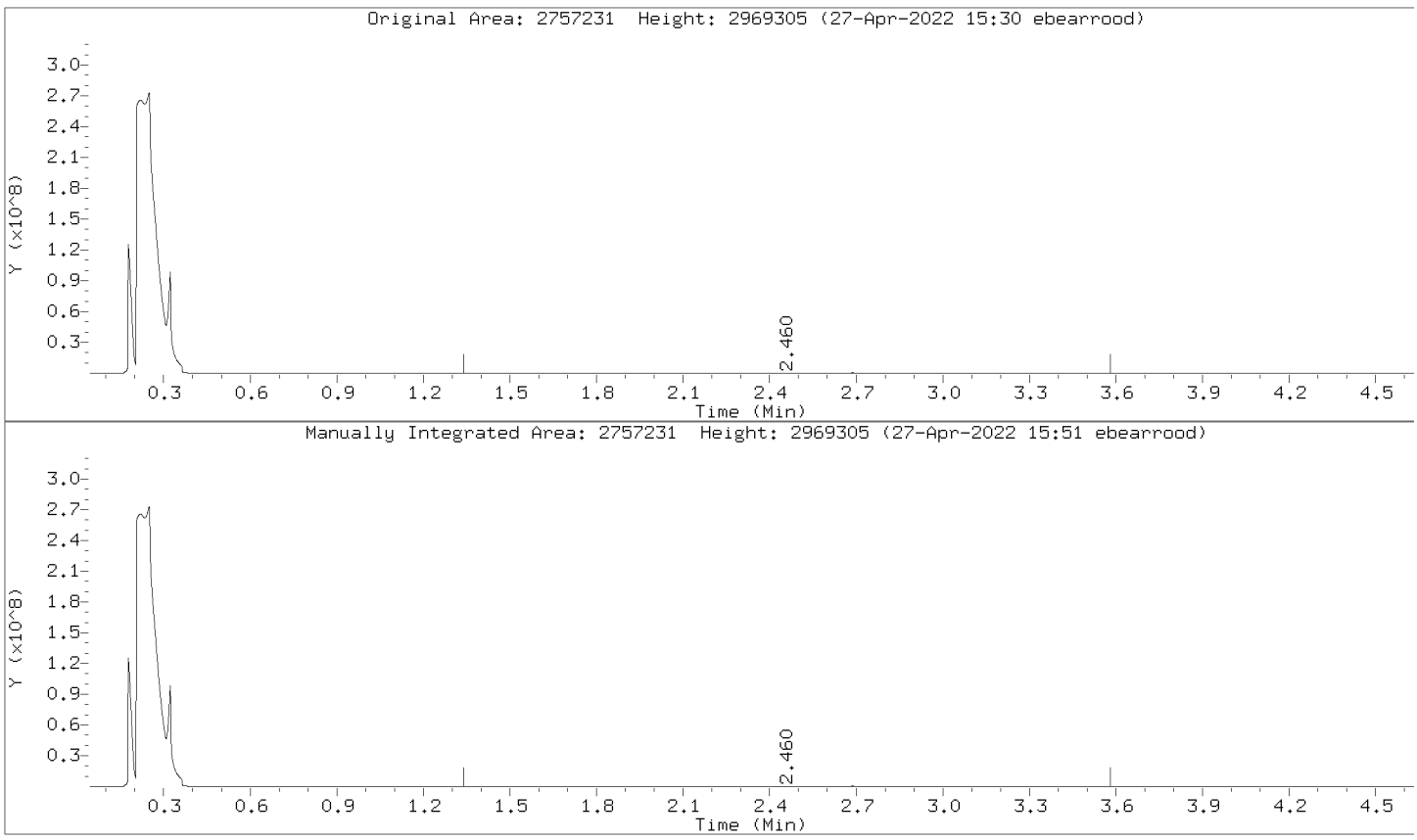
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000014.D
Injection Date: 27-APR-2022 14:08
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,362375:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



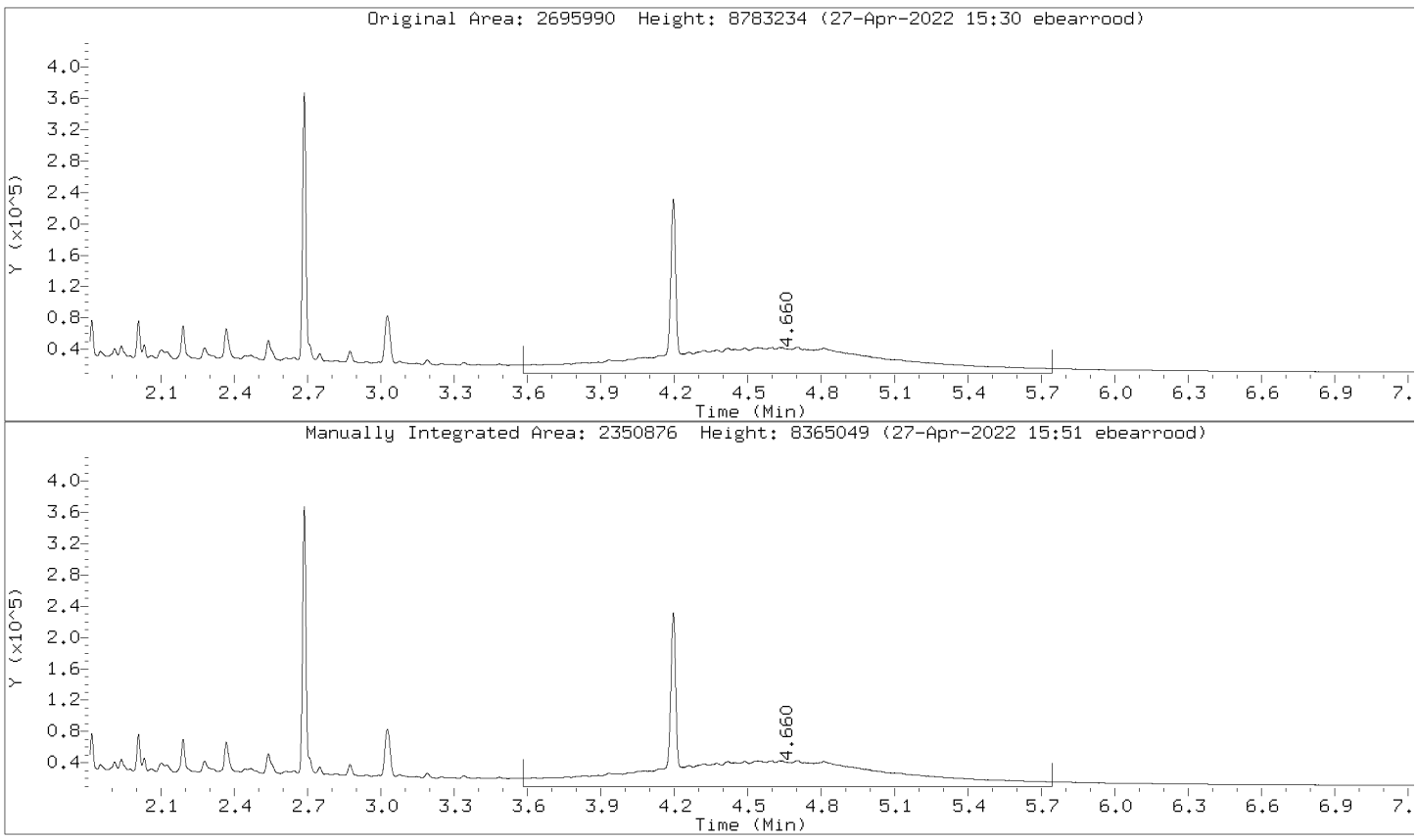
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000014.D
Injection Date: 27-APR-2022 14:08
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,362375:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



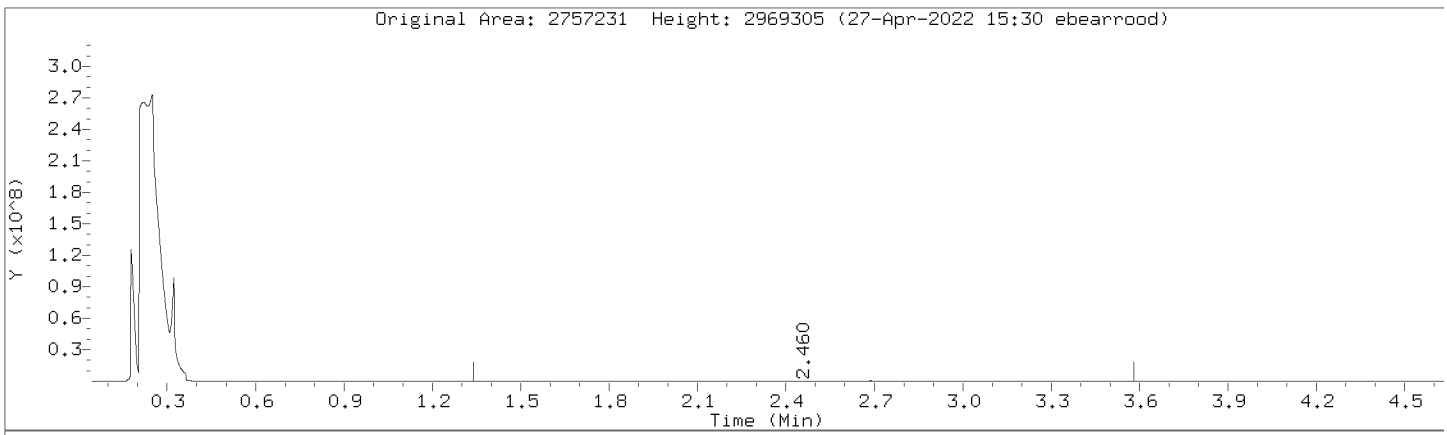
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000014.D
Injection Date: 27-APR-2022 14:08
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,362375:2

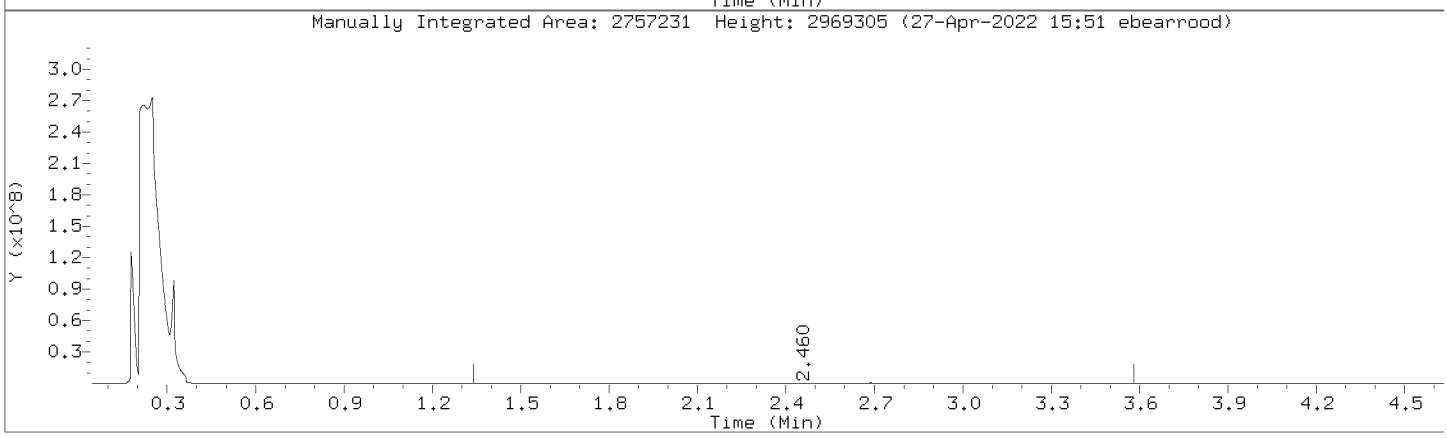
Compound: Motor Oil Range Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000014.D
Injection Date: 27-APR-2022 14:08
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,362375:2

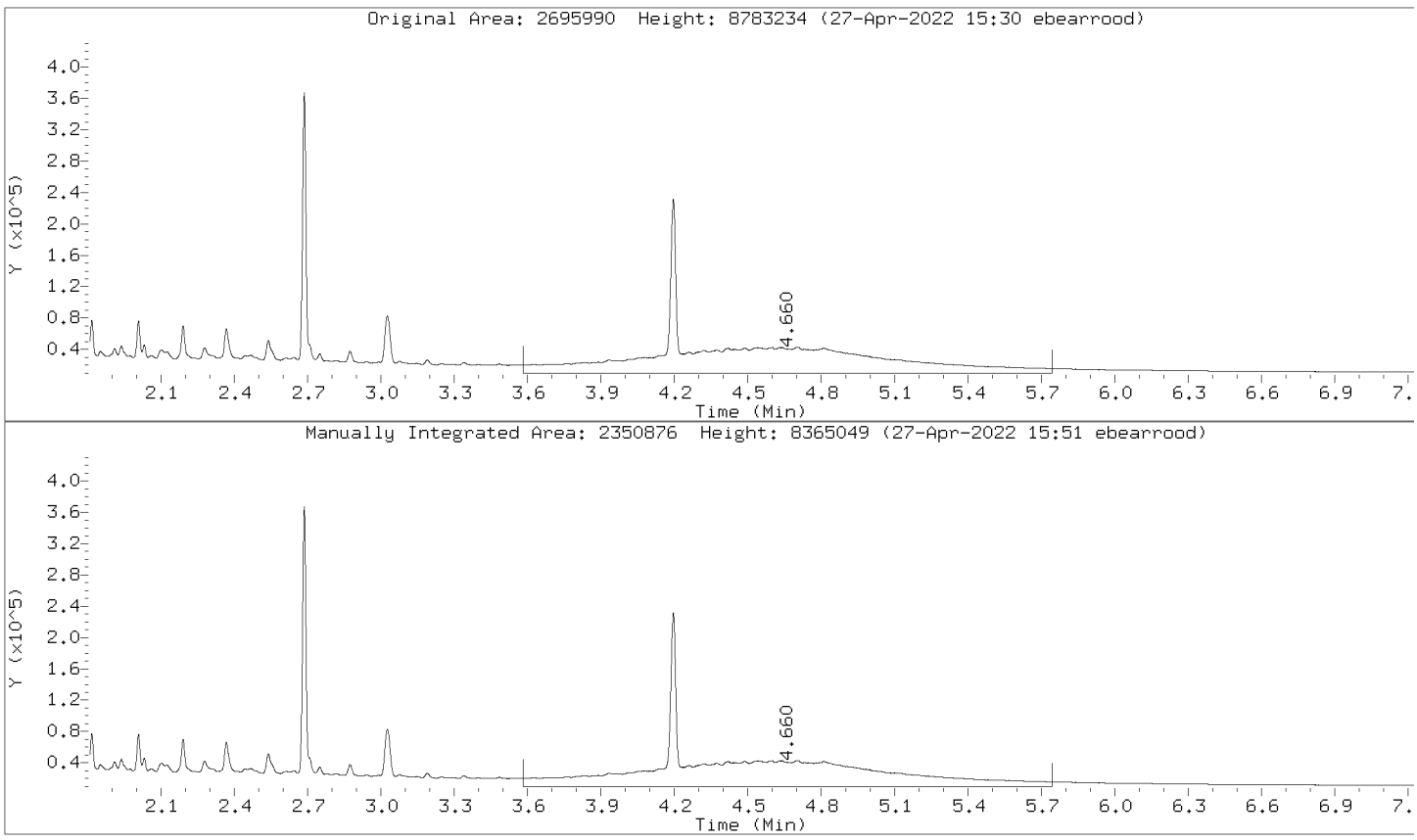
Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:





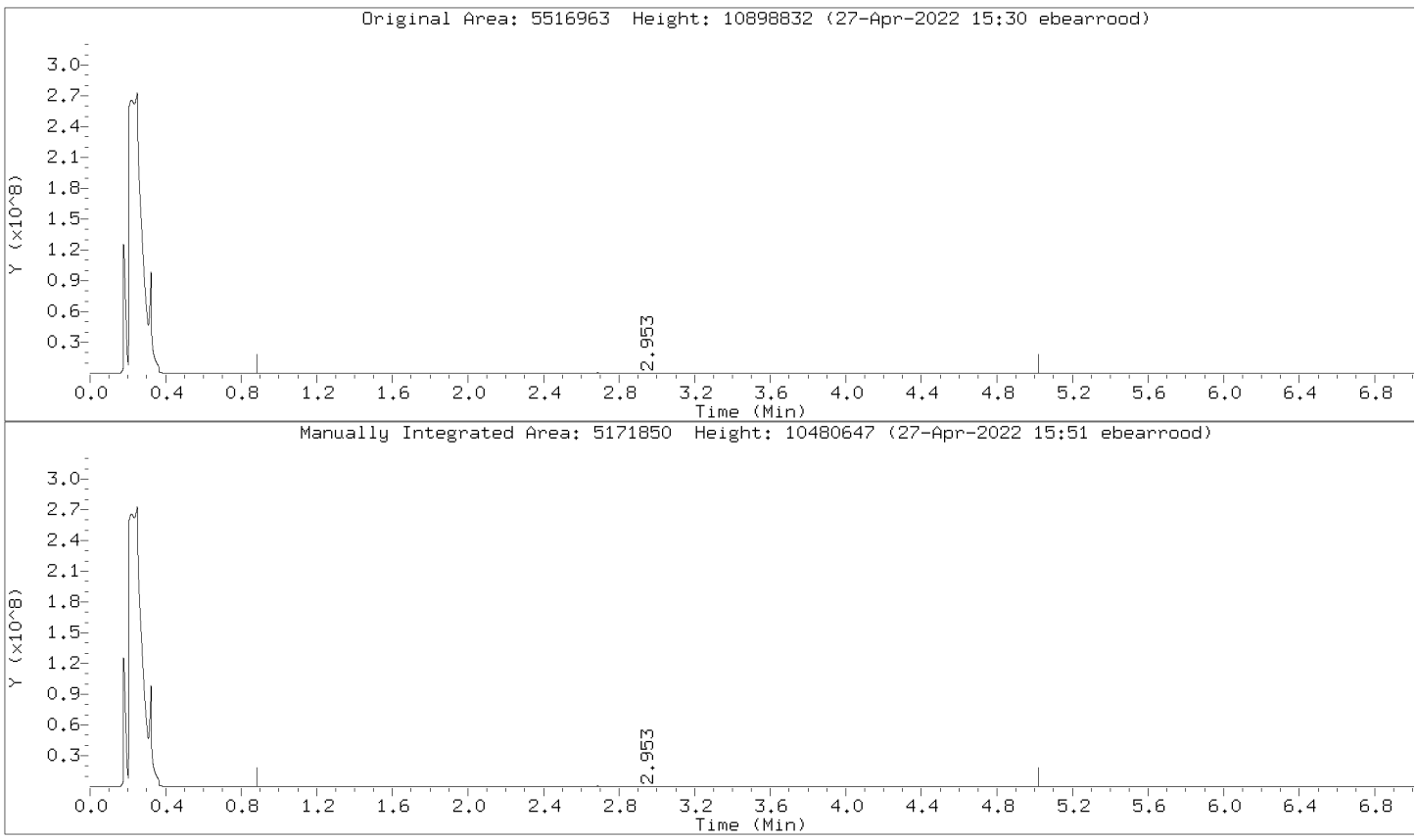
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000014.D
Injection Date: 27-APR-2022 14:08
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,362375:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



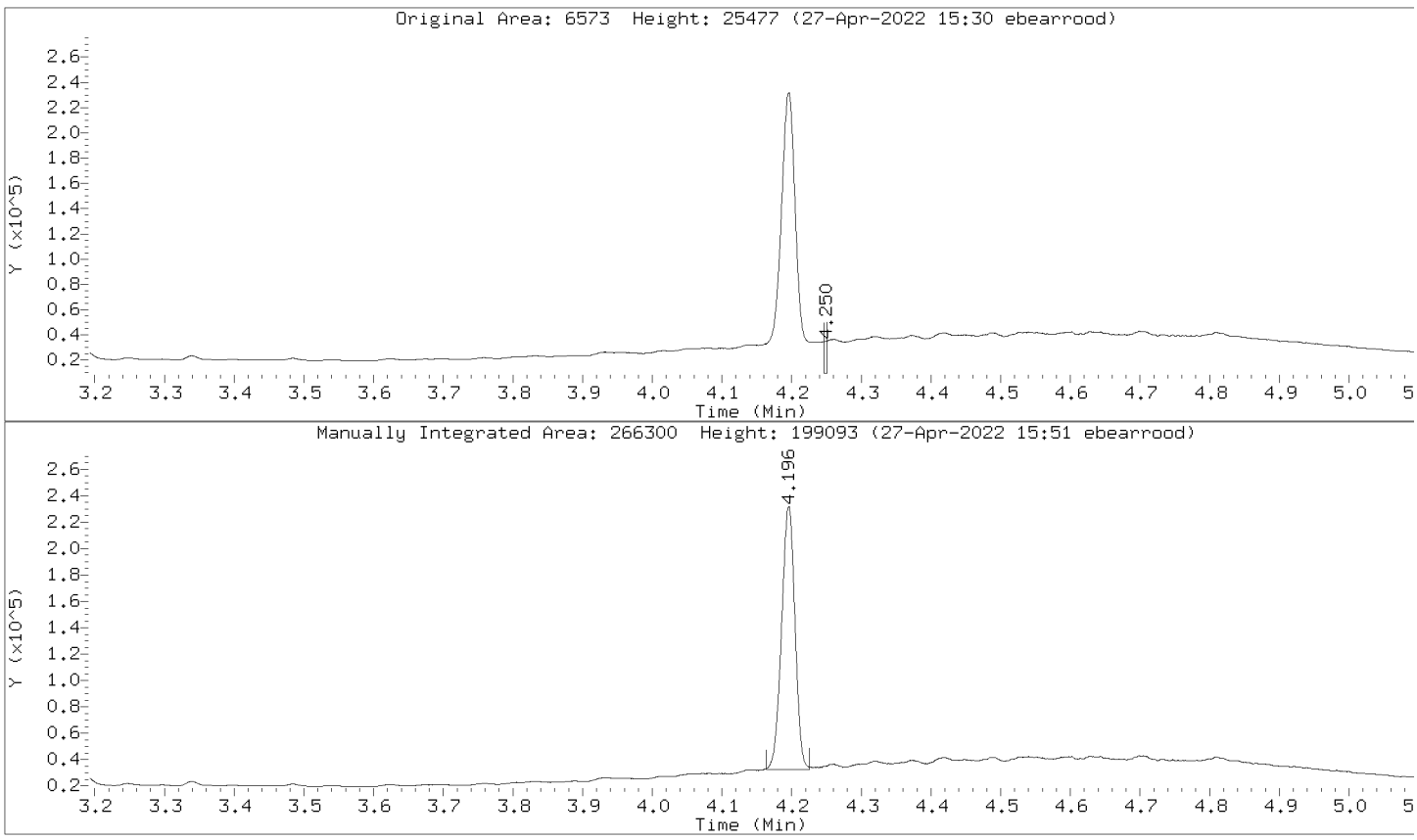
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000014.D
Injection Date: 27-APR-2022 14:08
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,362375:2

Compound: C10-C36 Review Code: RNG
CAS Number:



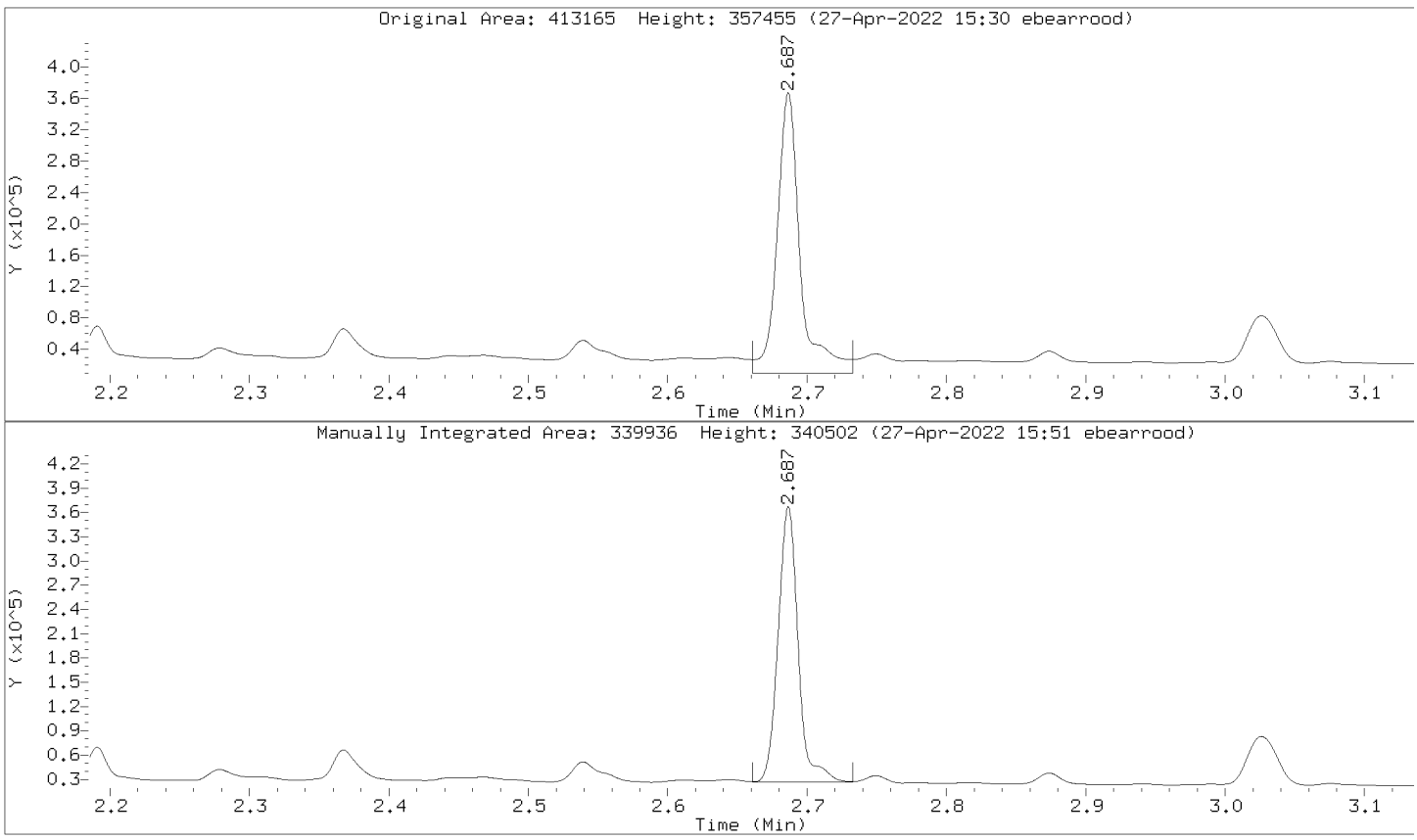
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000014.D
Injection Date: 27-APR-2022 14:08
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,362375:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000014.D
Injection Date: 27-APR-2022 14:08
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,362375:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000015.D
Lab Smp Id: DMO-CAL8,362376:2 Client Smp ID: DMO-CAL8,362376:2
Inj Date : 27-APR-2022 14:19
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-cal8,362376:2
Misc Info : 39205
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\042722R.b\GCSFakNW8015-042722_3920
Meth Date : 27-Apr-2022 16:06 ebearrood Quant Type: ESTD
Cal Date : 27-APR-2022 14:42 Cal File: 0427R0000017.D
Als bottle: 85 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.885	- 3.540		6183718	1000.00	1020	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.687	2.685	0.002	670939	100.000	101	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.197	4.193	0.004	528228	100.000	102	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.541	- 5.020		3660871	1000.00	1020	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.885	- 4.099		7059201	1000.00	1020	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.400	- 5.020		3812366	1000.00	1020	(M)	RNG
S 7 C10-C36					CAS #:		
0.885	- 5.020		9844589	2000.00	2030	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.340	- 3.580		5194648	1000.00	1010	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.340	- 3.580		5194648	1000.00	1010	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.581	- 5.740		4563549	1000.00	1010	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.581	- 5.740		4563549	1000.00	1010	(M)	RNG

QC Flag Legend

M - Compound response manually integrated.

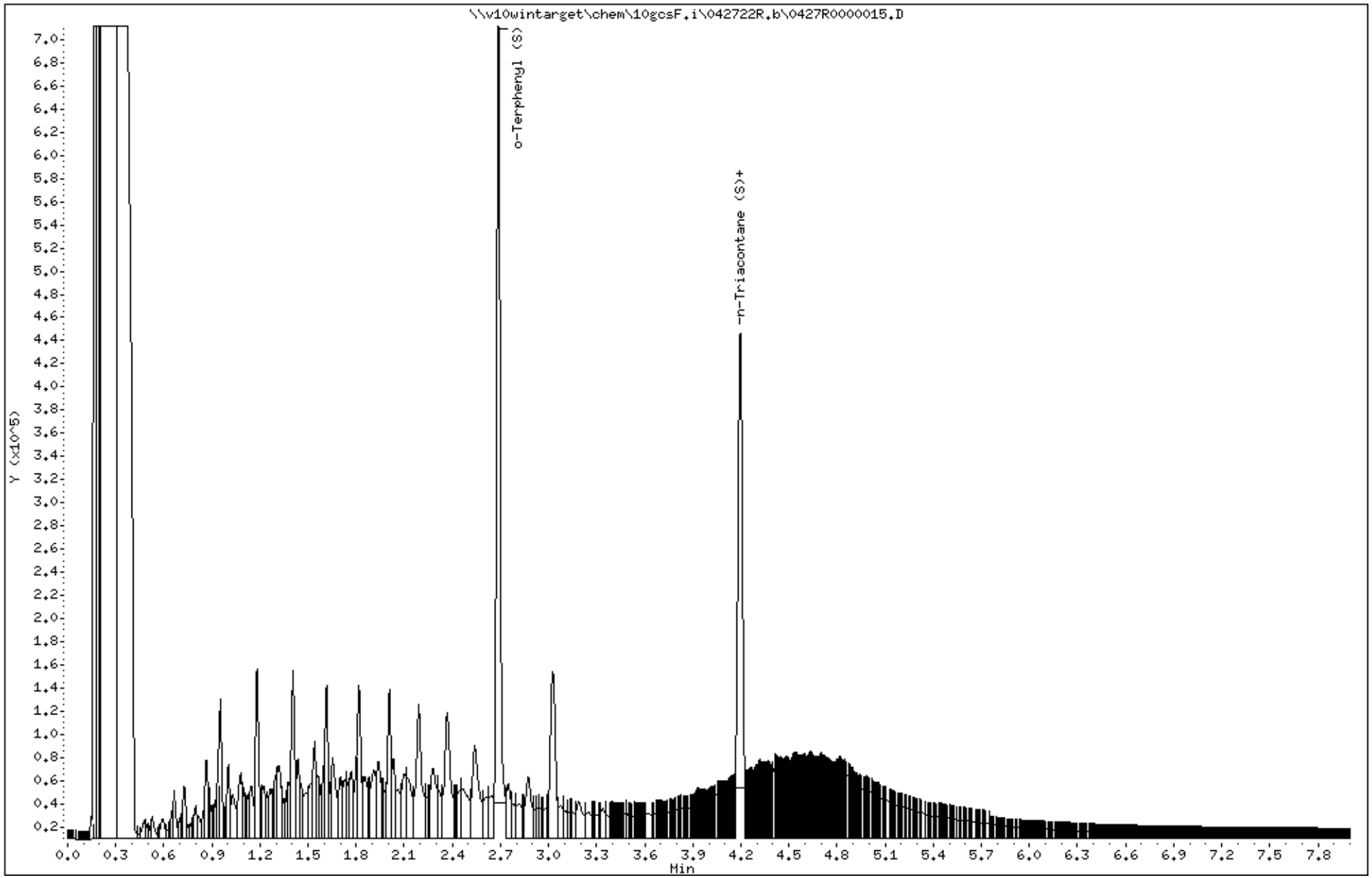
Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000015.D
Date : 27-APR-2022 14:19
Client ID: DMO-CAL8,362376:2
Sample Info: DMO-CAL8,362376:2

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32

Column phase: DB-5-US21430033



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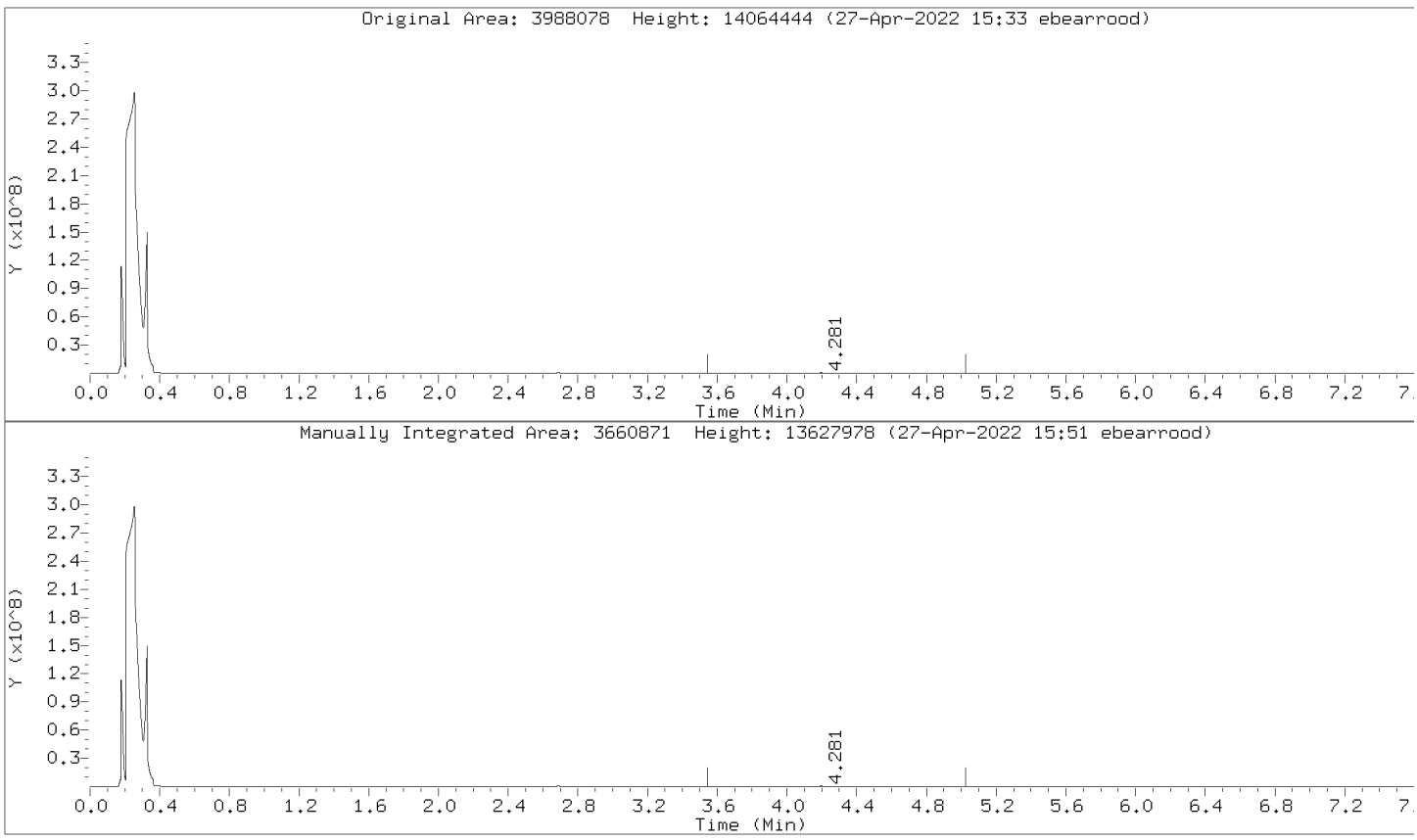
10606395

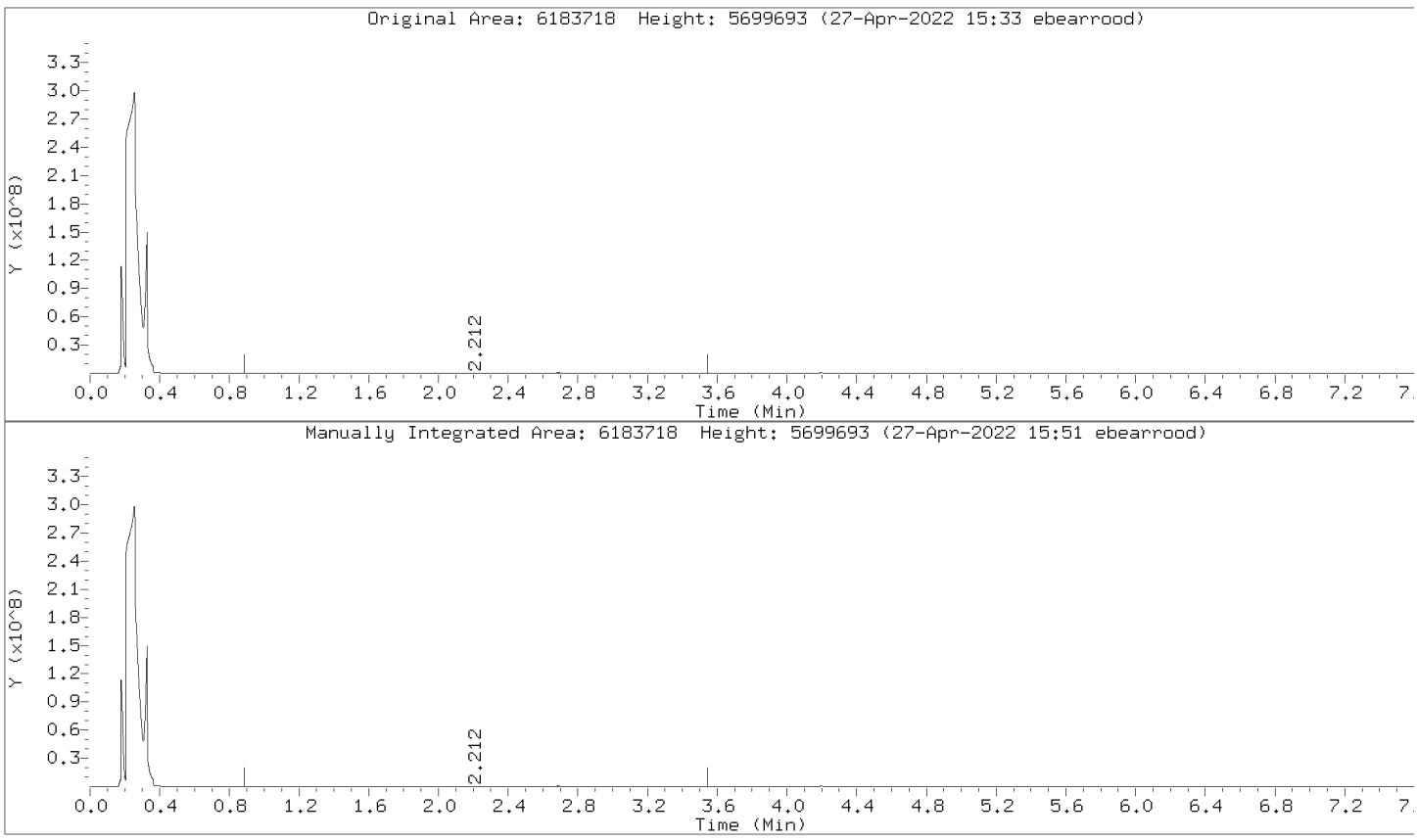
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000015.D
Injection Date: 27-APR-2022 14:19
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,362376:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



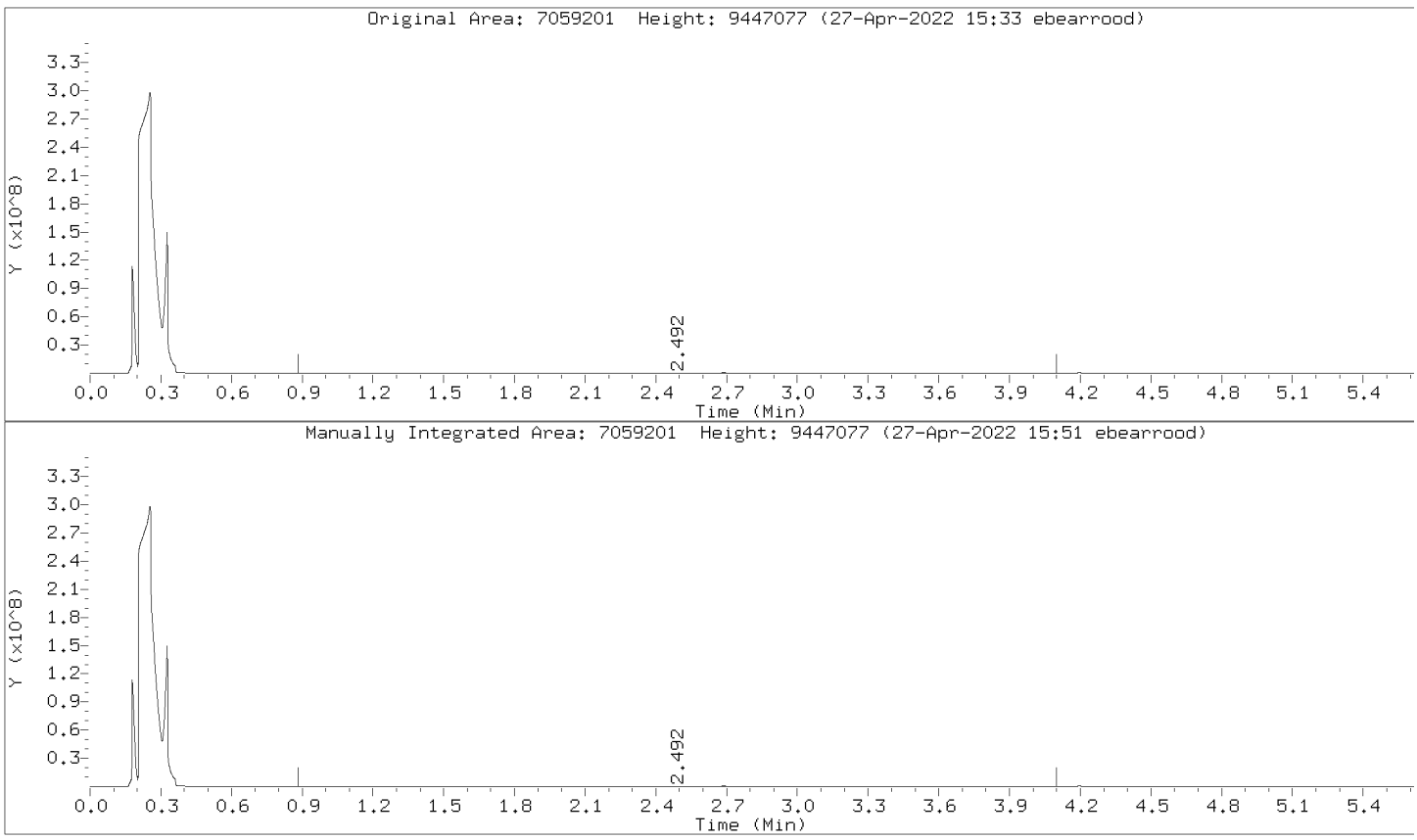
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000015.D
Injection Date: 27-APR-2022 14:19
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,362376:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



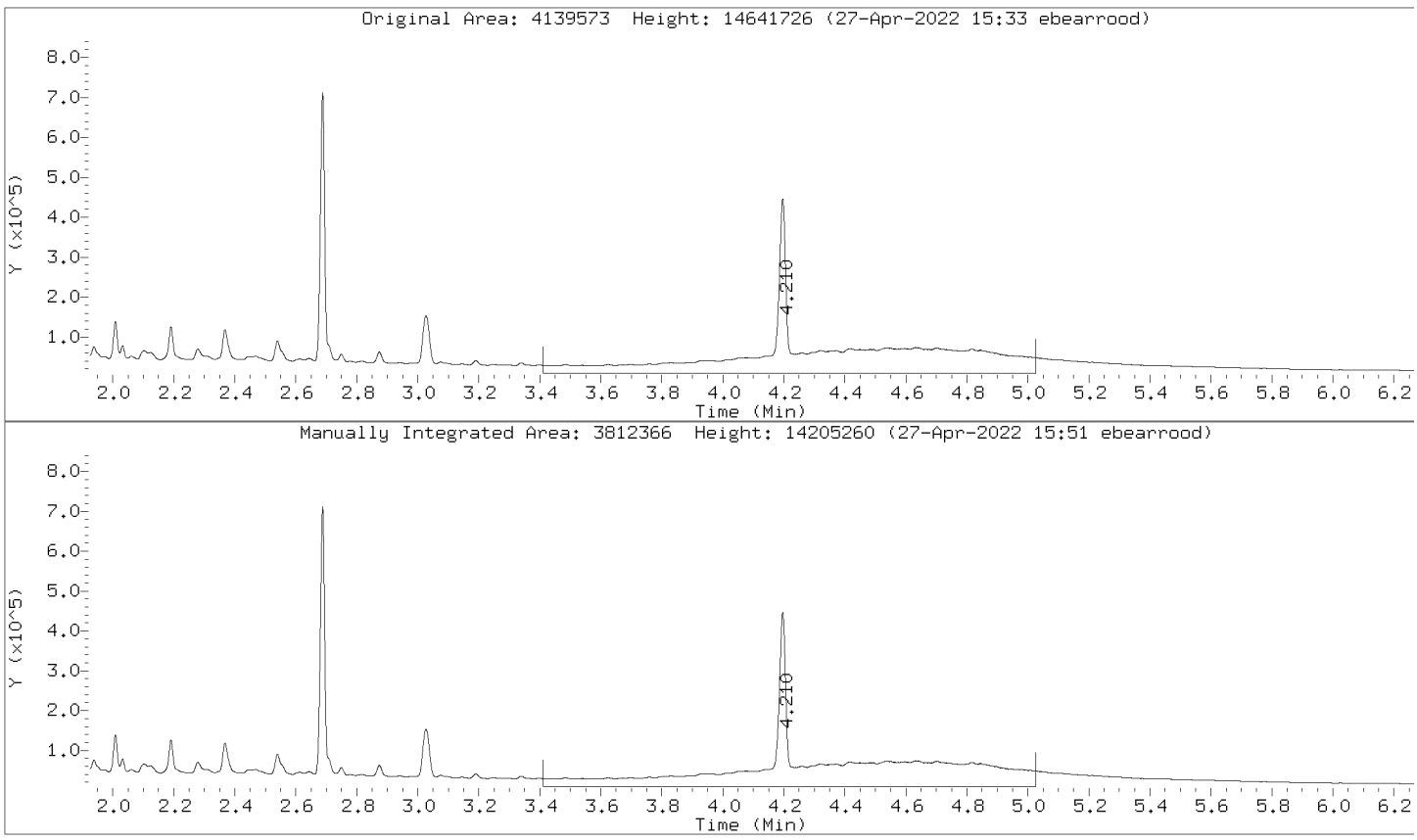
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000015.D
Injection Date: 27-APR-2022 14:19
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,362376:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



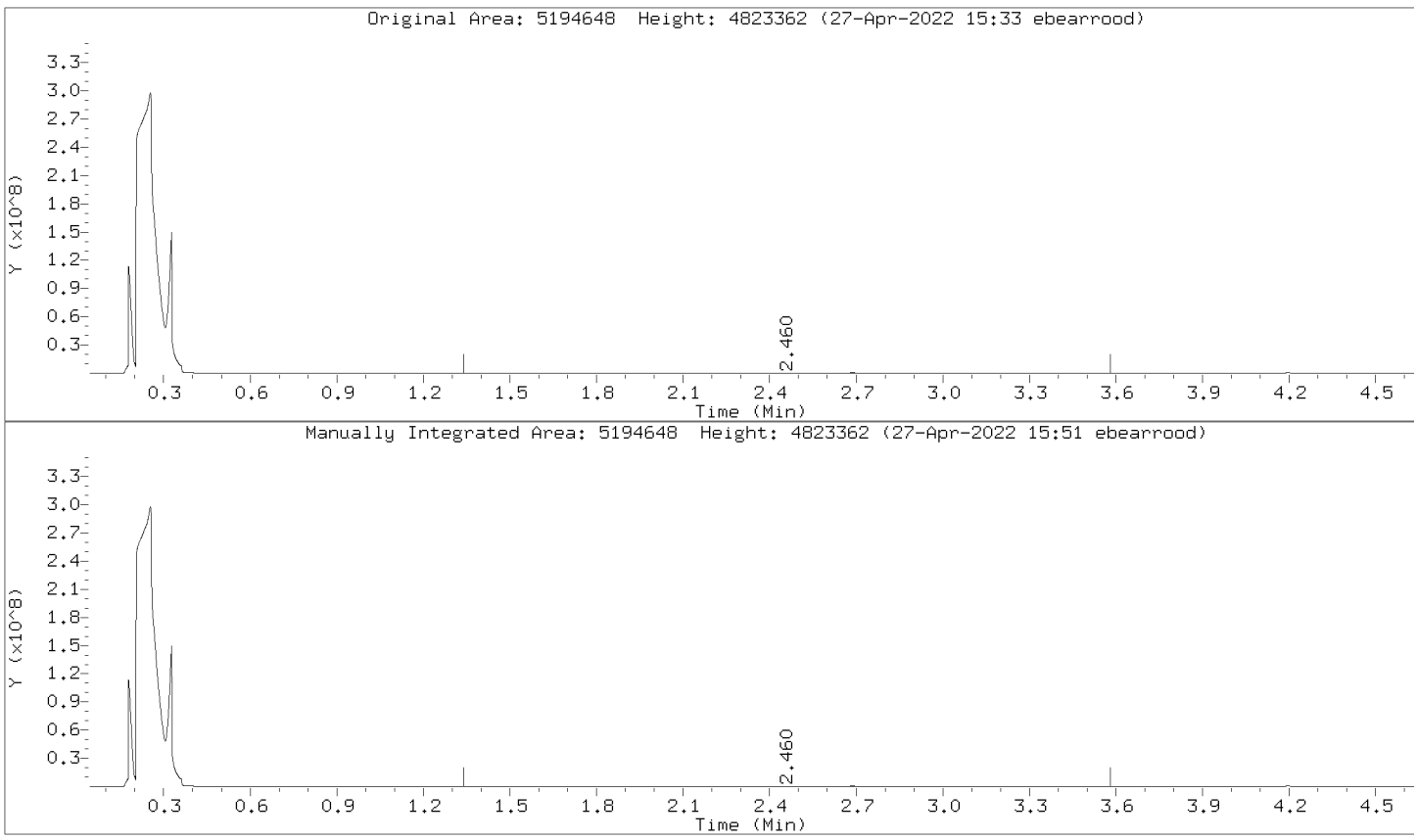
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000015.D
Injection Date: 27-APR-2022 14:19
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,362376:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



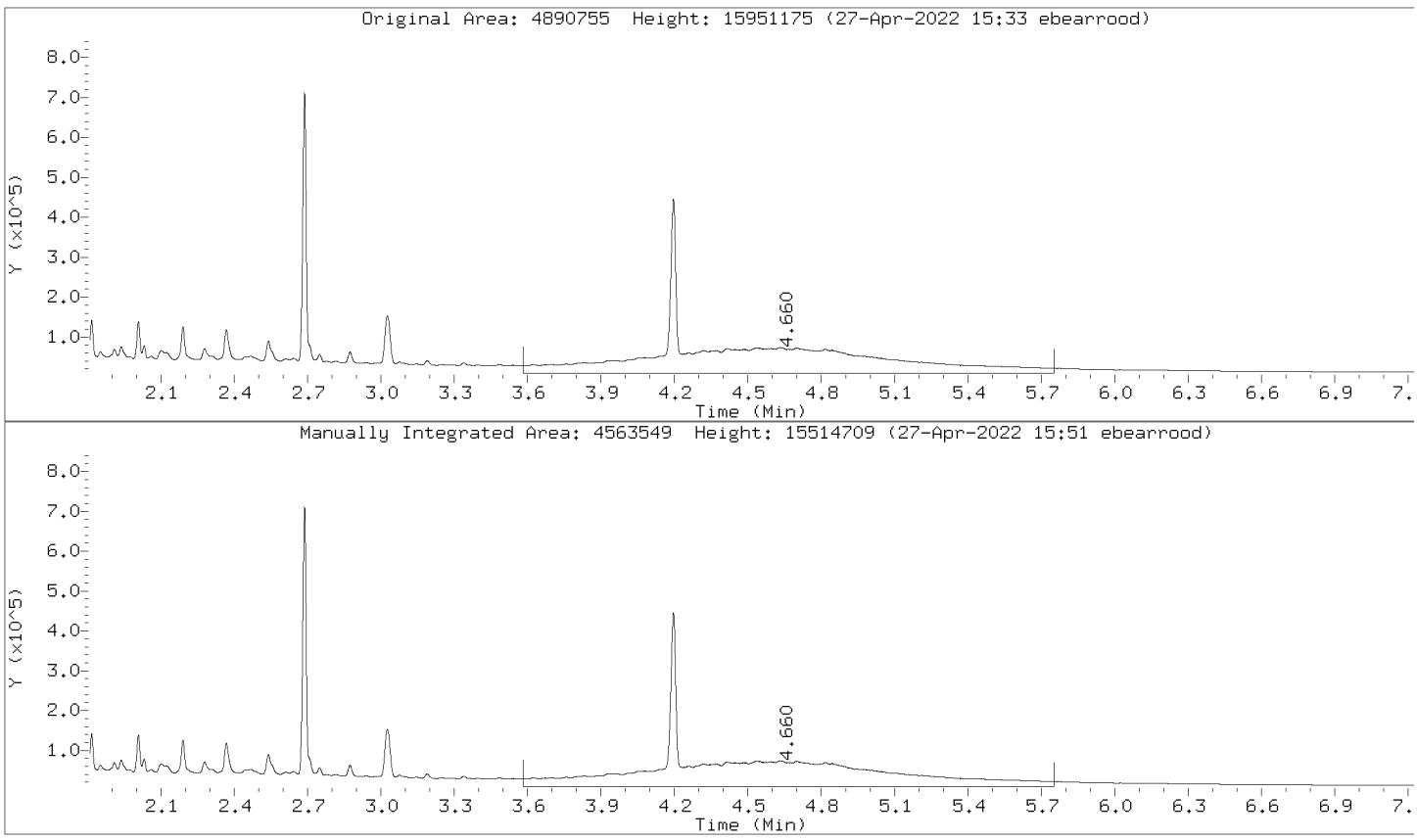
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000015.D
Injection Date: 27-APR-2022 14:19
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,362376:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



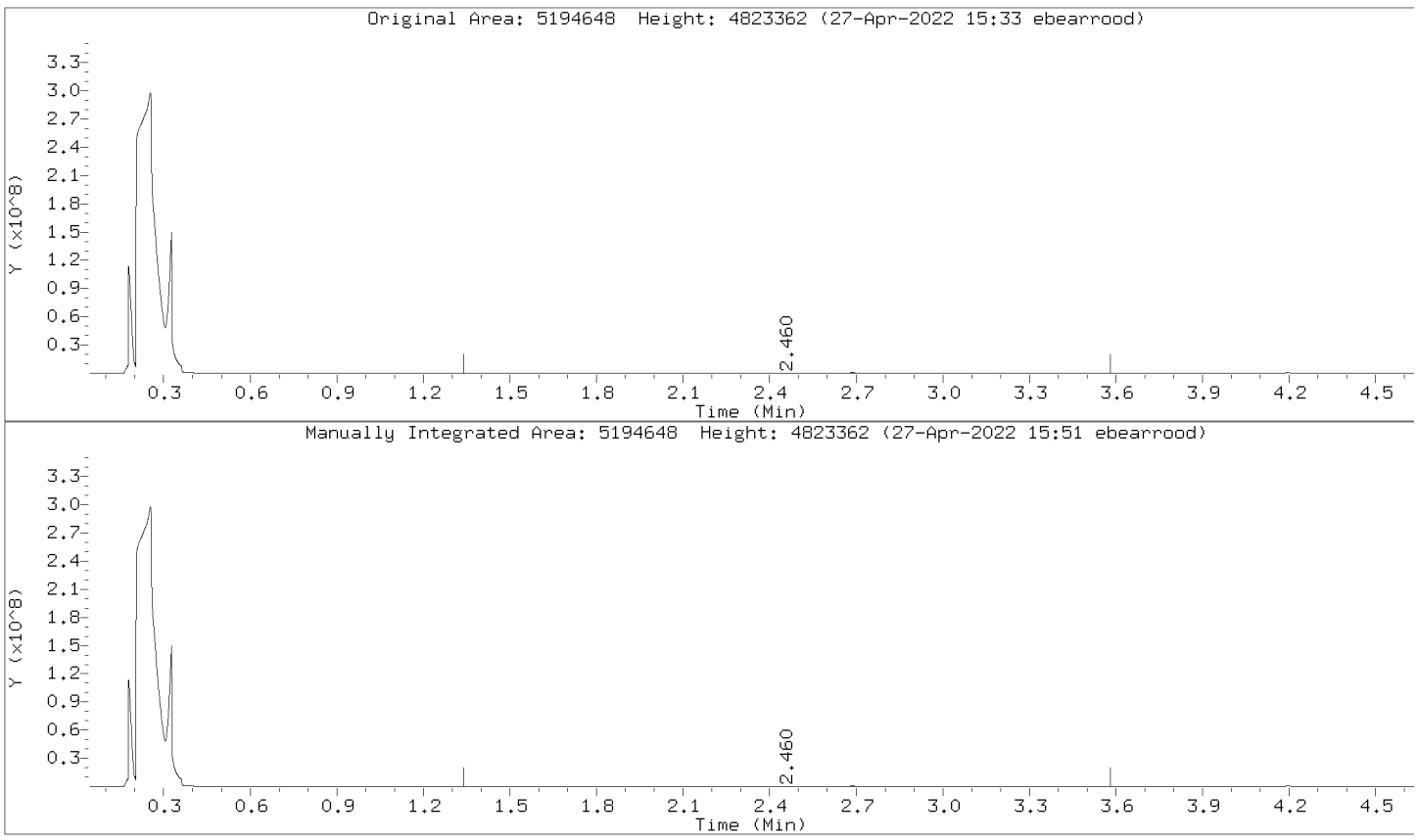
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000015.D
Injection Date: 27-APR-2022 14:19
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,362376:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



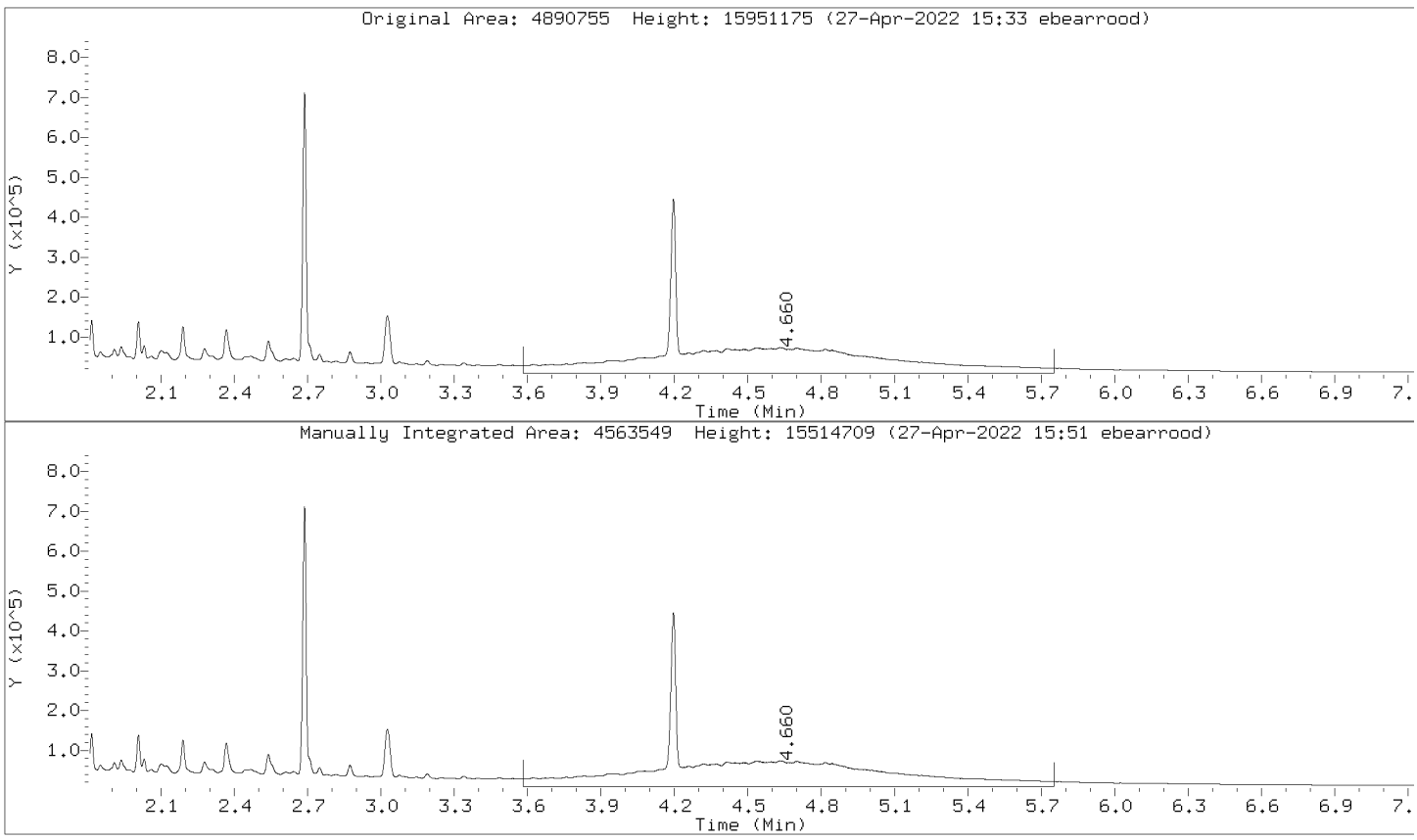
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000015.D
Injection Date: 27-APR-2022 14:19
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,362376:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



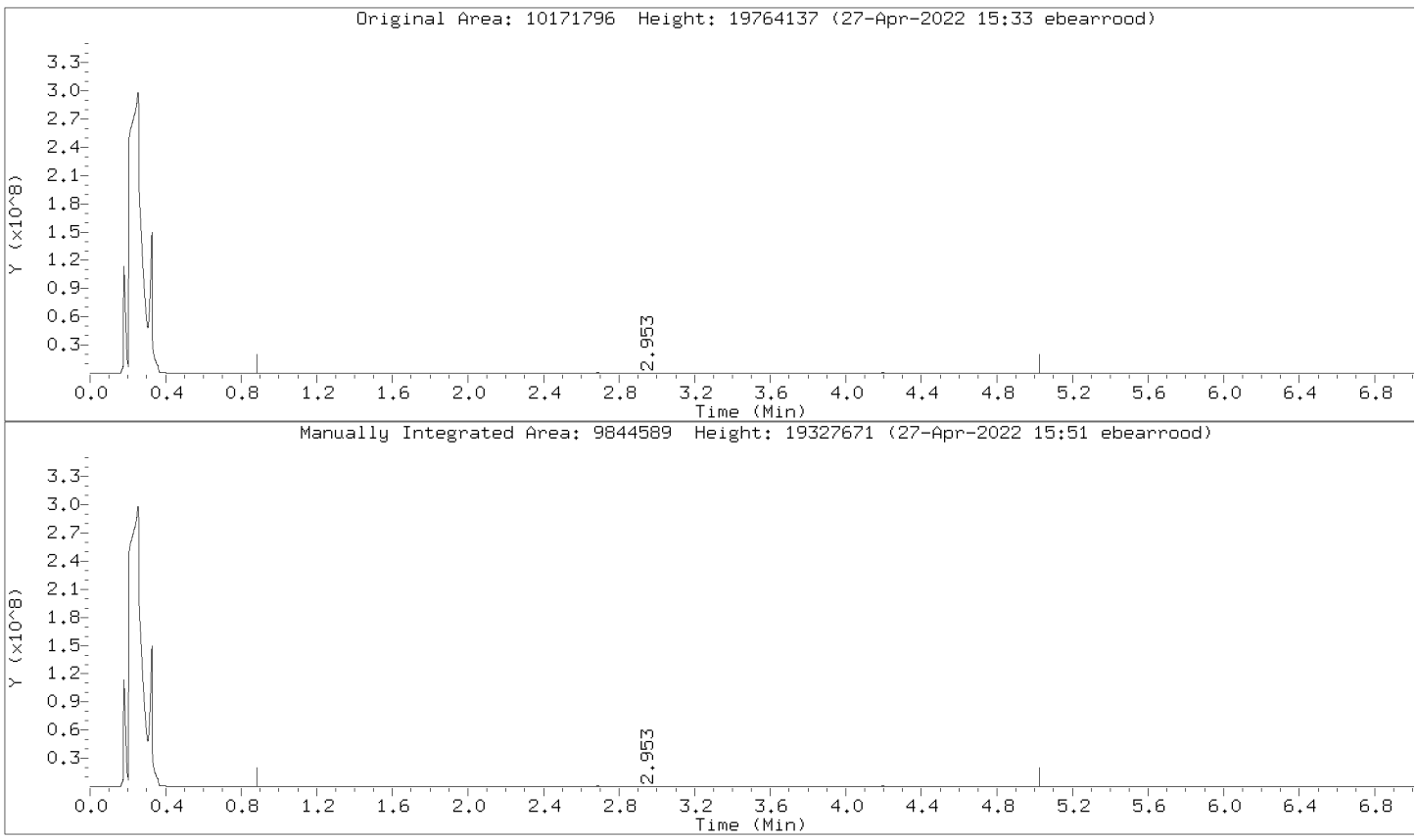
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000015.D
Injection Date: 27-APR-2022 14:19
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,362376:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



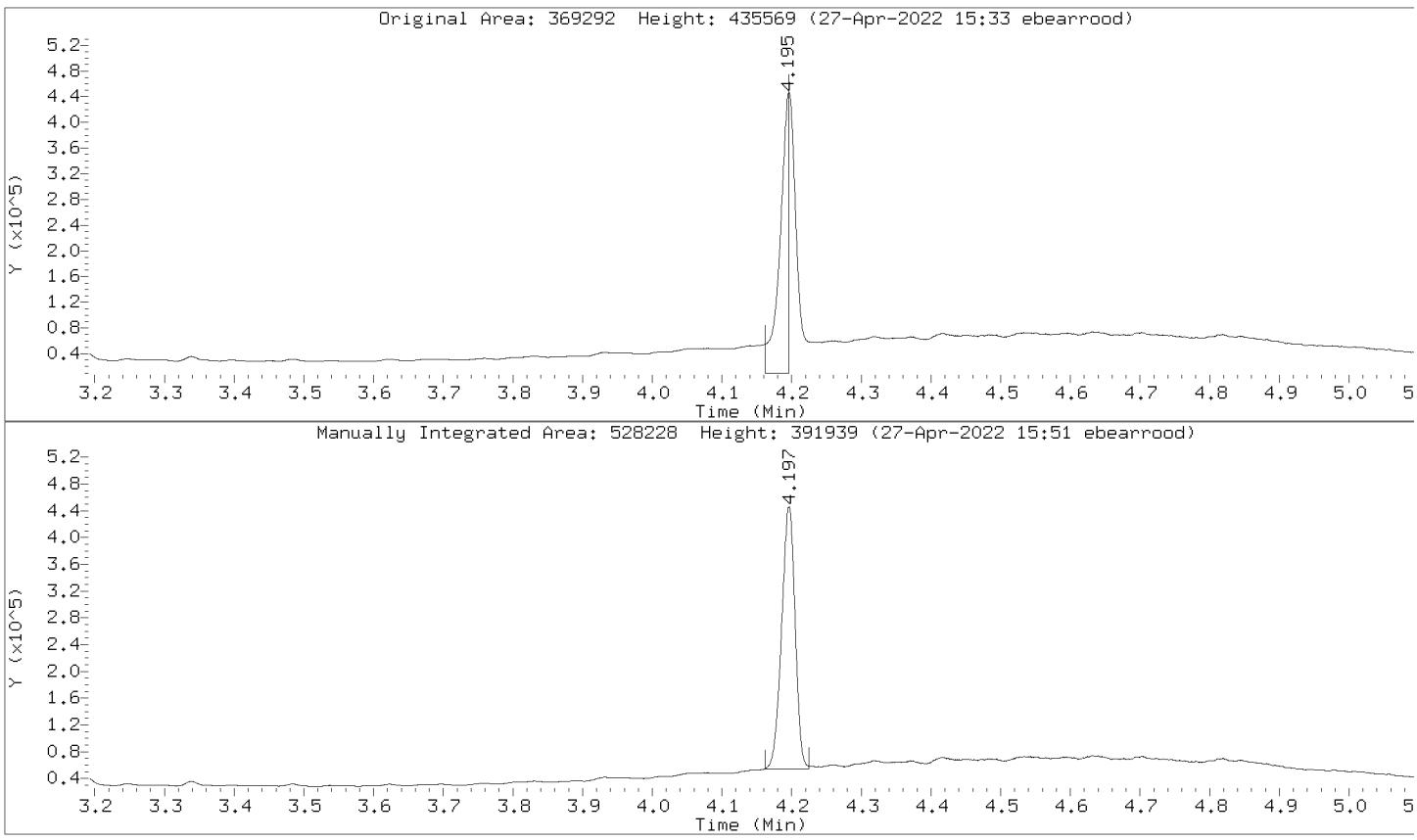
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000015.D
Injection Date: 27-APR-2022 14:19
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,362376:2

Compound: C10-C36 Review Code: RNG
CAS Number:



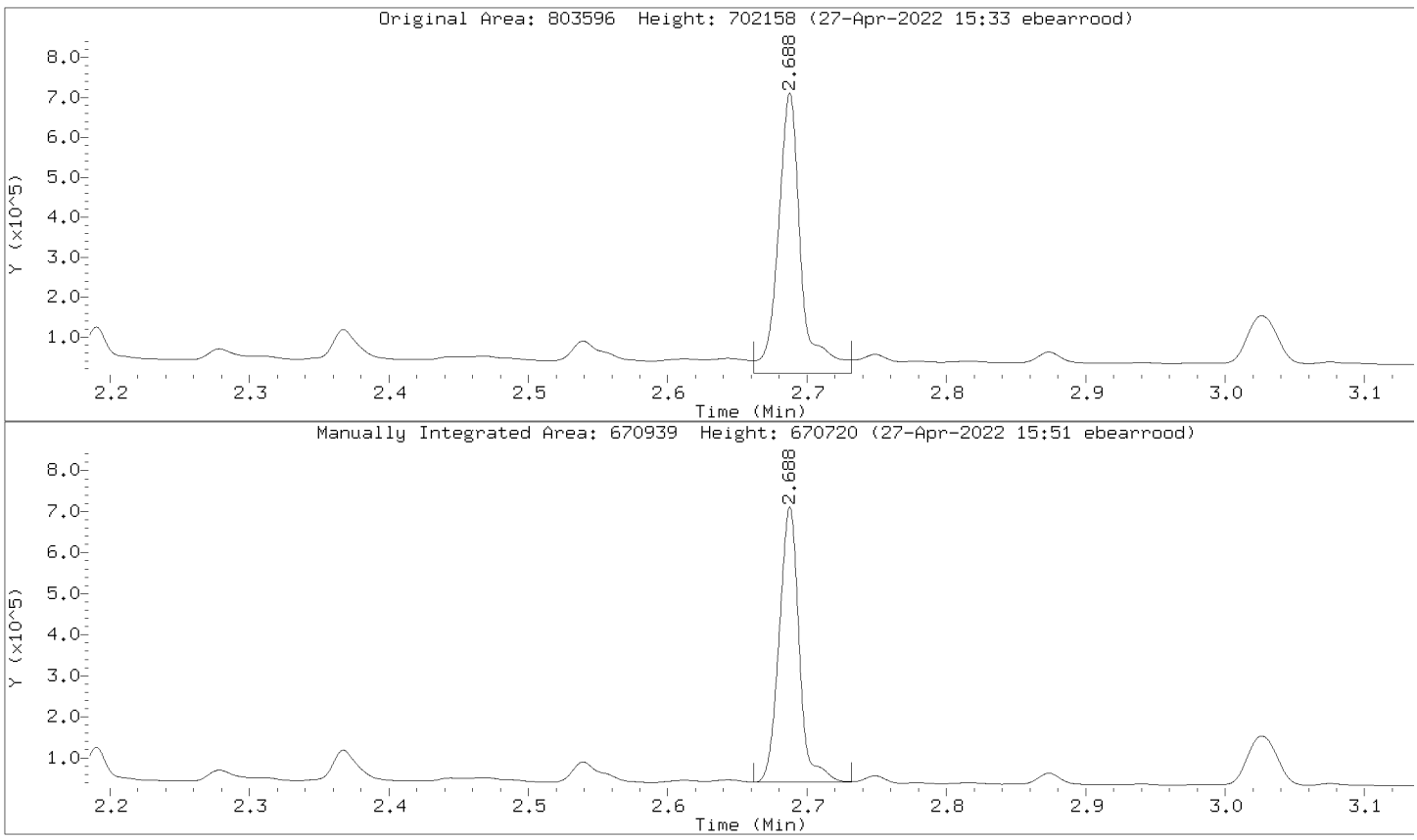
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000015.D
Injection Date: 27-APR-2022 14:19
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,362376:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000015.D
Injection Date: 27-APR-2022 14:19
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,362376:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000016.D
Lab Smp Id: DMO-CAL9,362377:2 Client Smp ID: DMO-CAL9,362377:2
Inj Date : 27-APR-2022 14:30
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-cal9,362377:2
Misc Info : 39205
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\042722R.b\GCSFakNW8015-042722_3920
Meth Date : 27-Apr-2022 16:06 ebearrood Quant Type: ESTD
Cal Date : 27-APR-2022 14:42 Cal File: 0427R0000017.D
Als bottle: 86 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.885	- 3.540		11926188	2000.00	2020	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.692	2.685	0.007	1328065	200.000	200	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.202	4.193	0.009	1044249	200.000	202	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.541	- 5.020		7125460	2000.00	2010	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.885	- 4.099		13625690	2000.00	2020	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.400	- 5.020		7409993	2000.00	2010	(M)	RNG
S 7 C10-C36					CAS #:		
0.885	- 5.020		19051649	4000.00	4030	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.340	- 3.580		10004331	2000.00	2010	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.340	- 3.580		10004331	2000.00	2010	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.581	- 5.740		9009436	2000.00	2020	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.581	- 5.740		9009436	2000.00	2020	(M)	RNG

QC Flag Legend

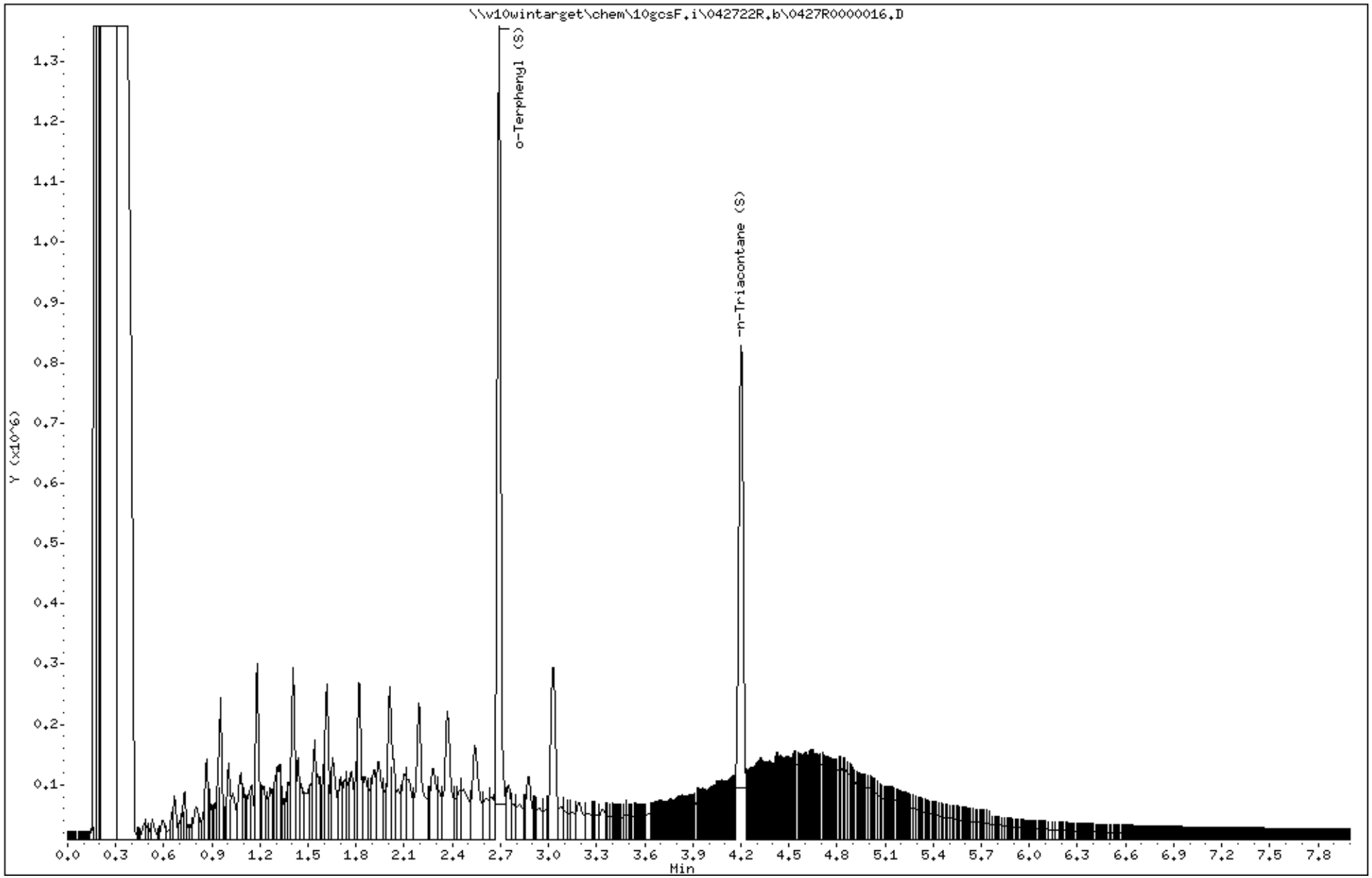
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000016.D
Date : 27-APR-2022 14:30
Client ID: DMO-CAL9,362377:2
Sample Info: DMO-CAL9,362377:2

Instrument: 10gcsF.i
Operator: EB3
Column phase: DB-5-US21430033
Column diameter: 0.32



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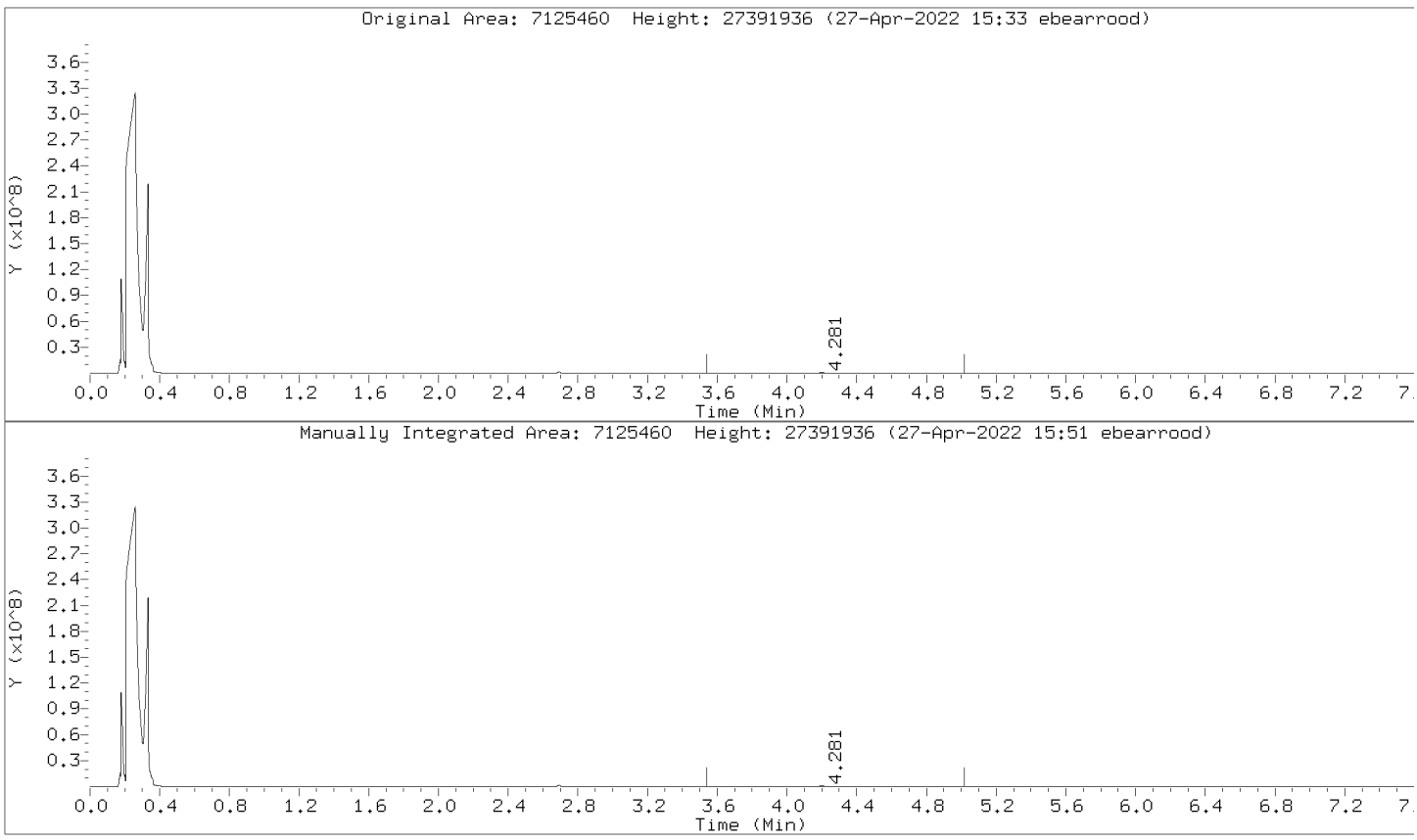
170 of 777
10606395

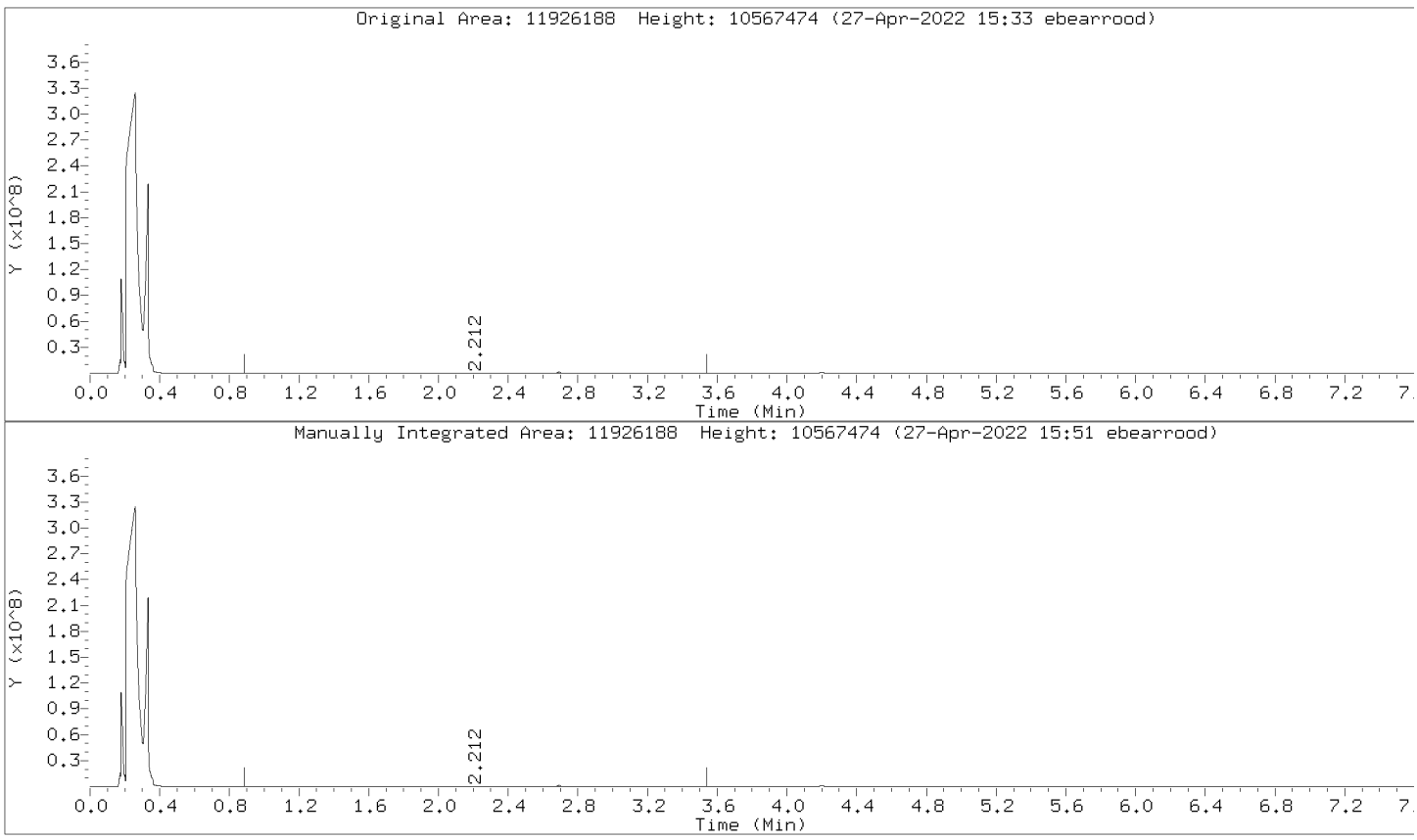
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000016.D
Injection Date: 27-APR-2022 14:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,362377:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



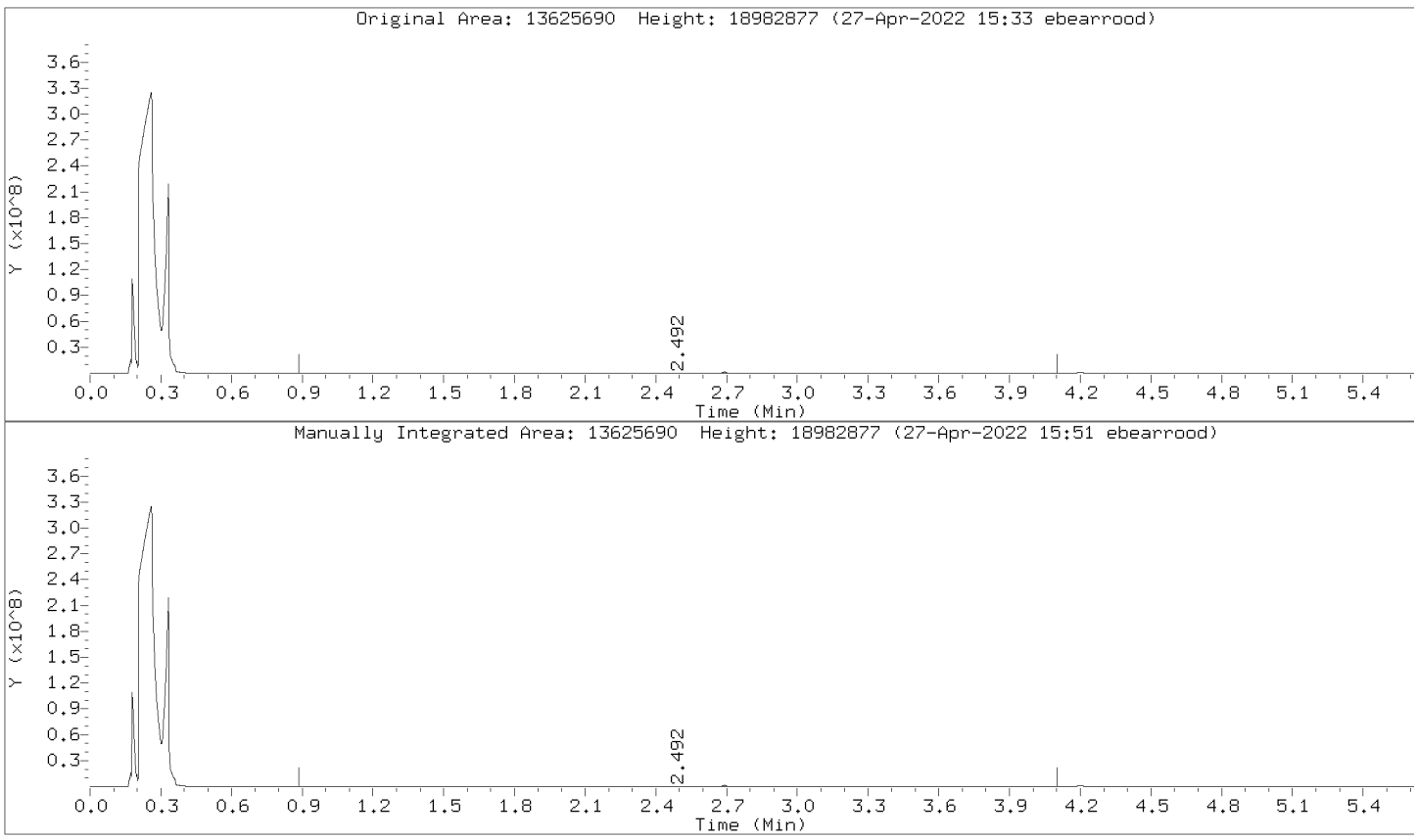
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000016.D
Injection Date: 27-APR-2022 14:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,362377:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



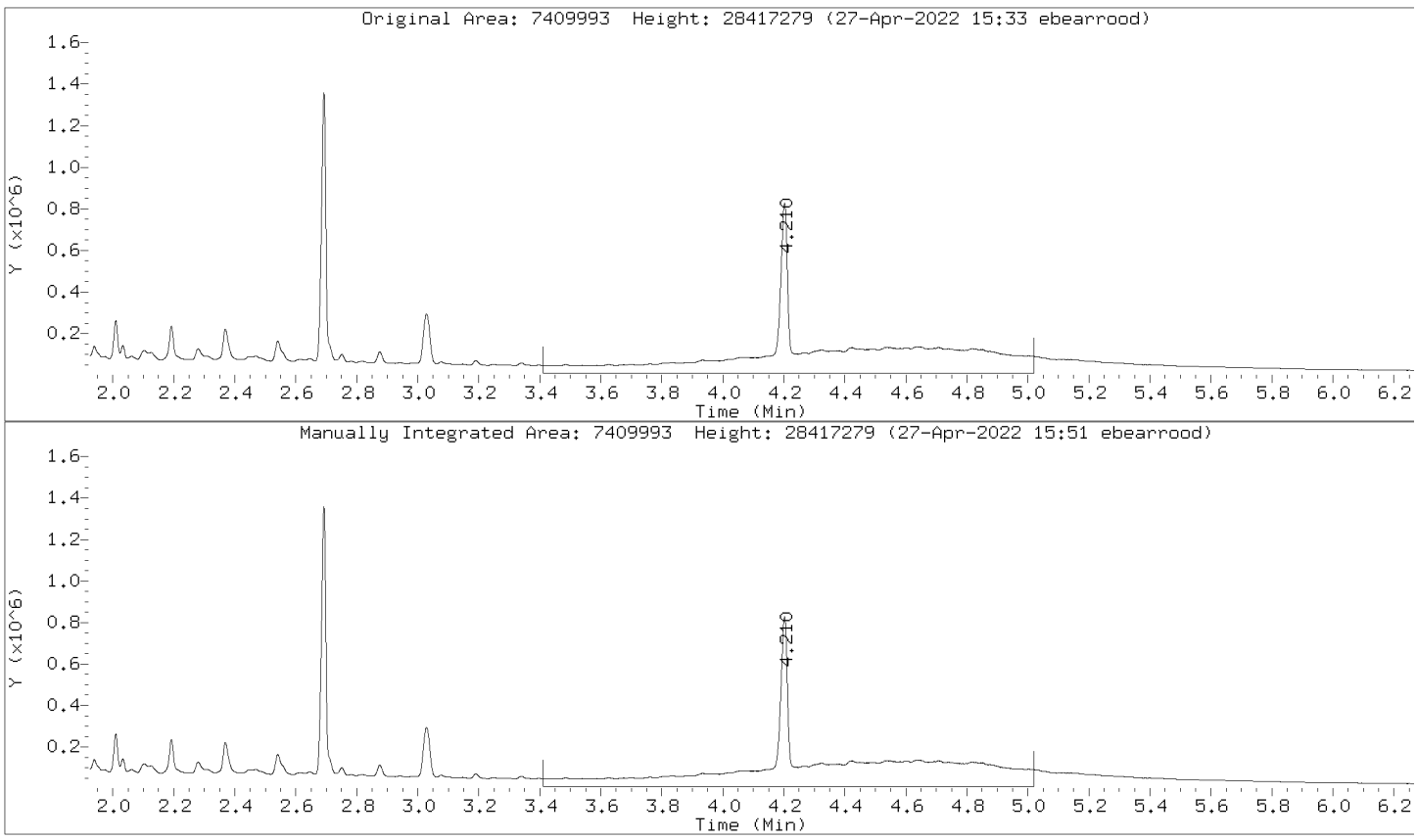
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000016.D
Injection Date: 27-APR-2022 14:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,362377:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



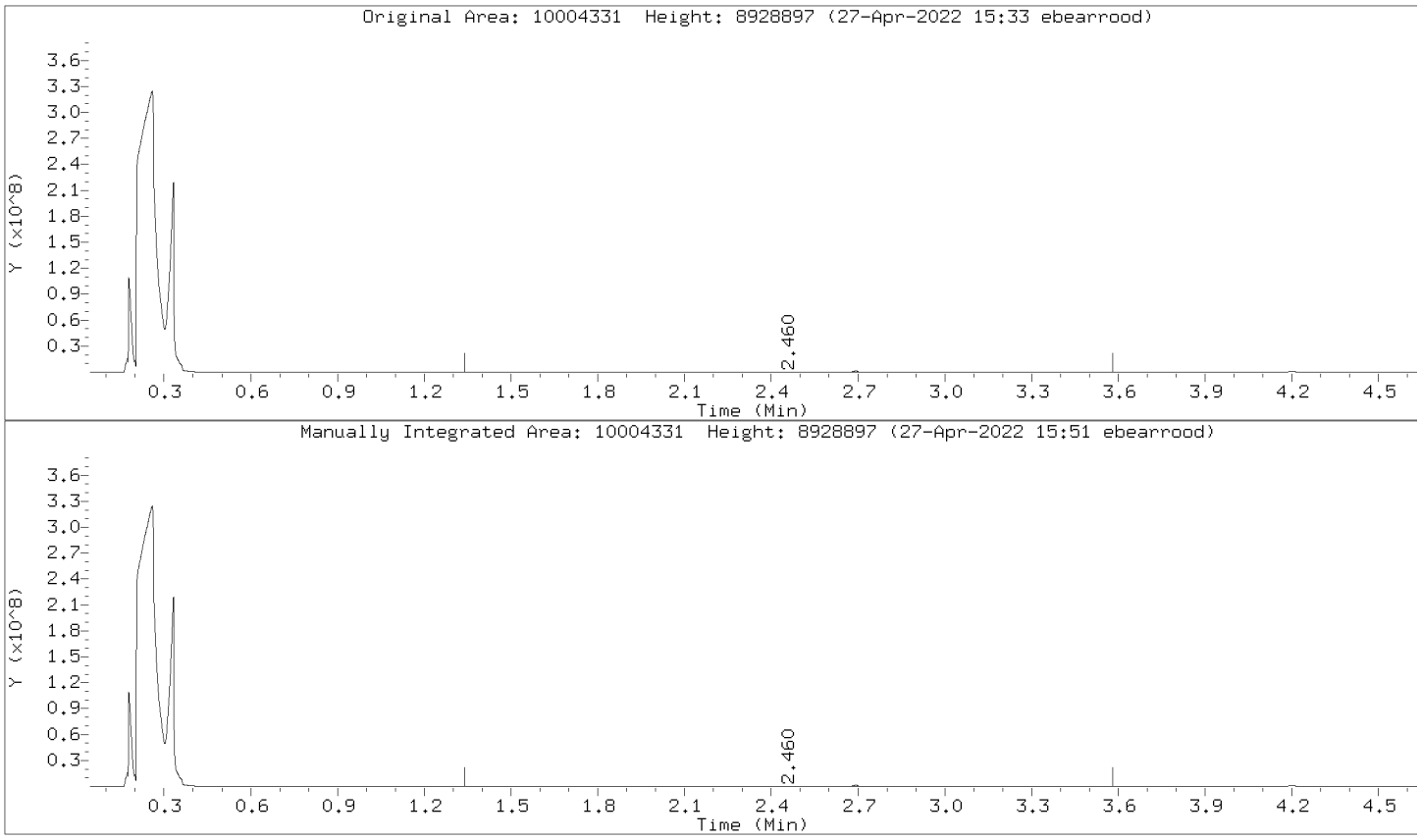
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000016.D
Injection Date: 27-APR-2022 14:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,362377:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



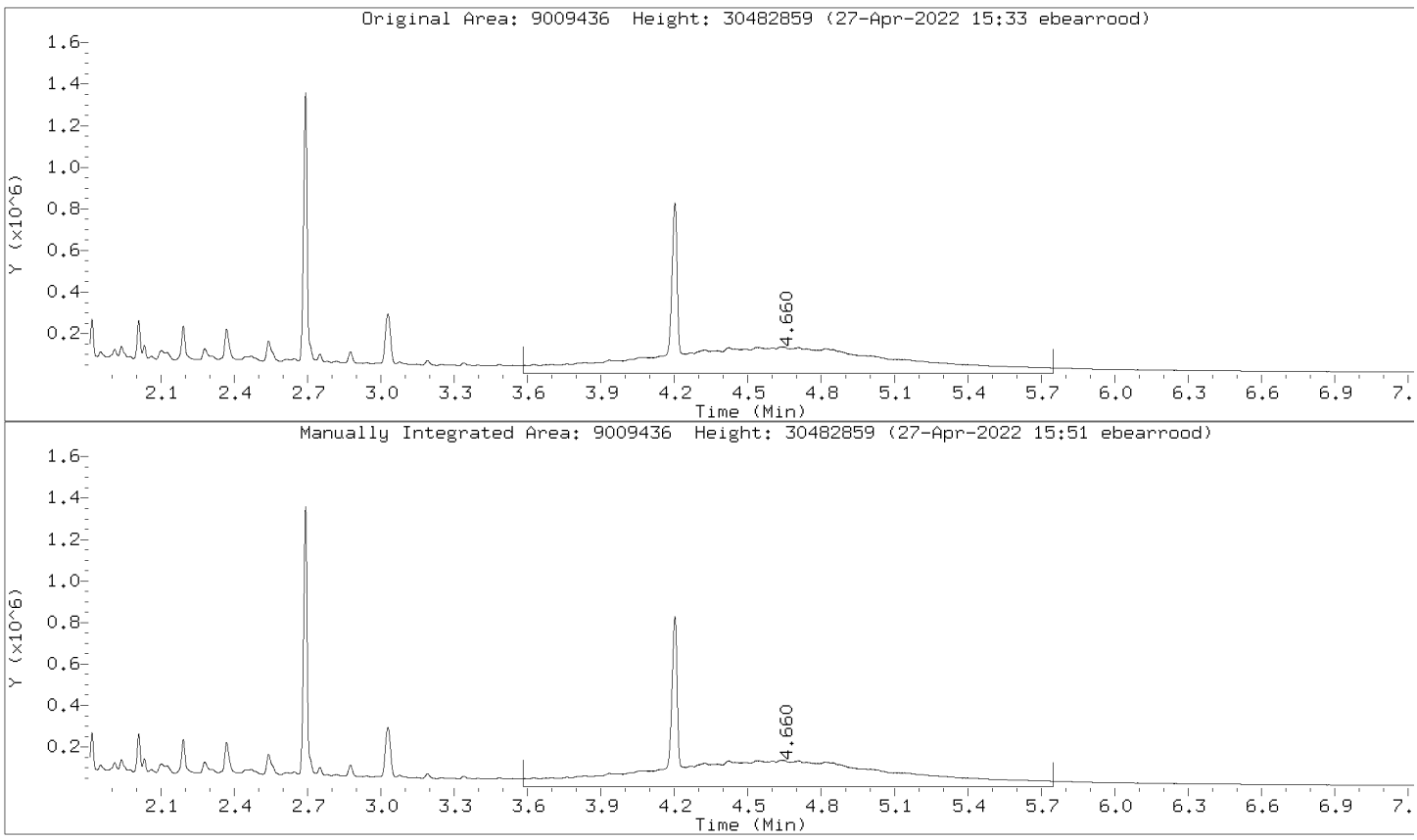
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000016.D
Injection Date: 27-APR-2022 14:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,362377:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



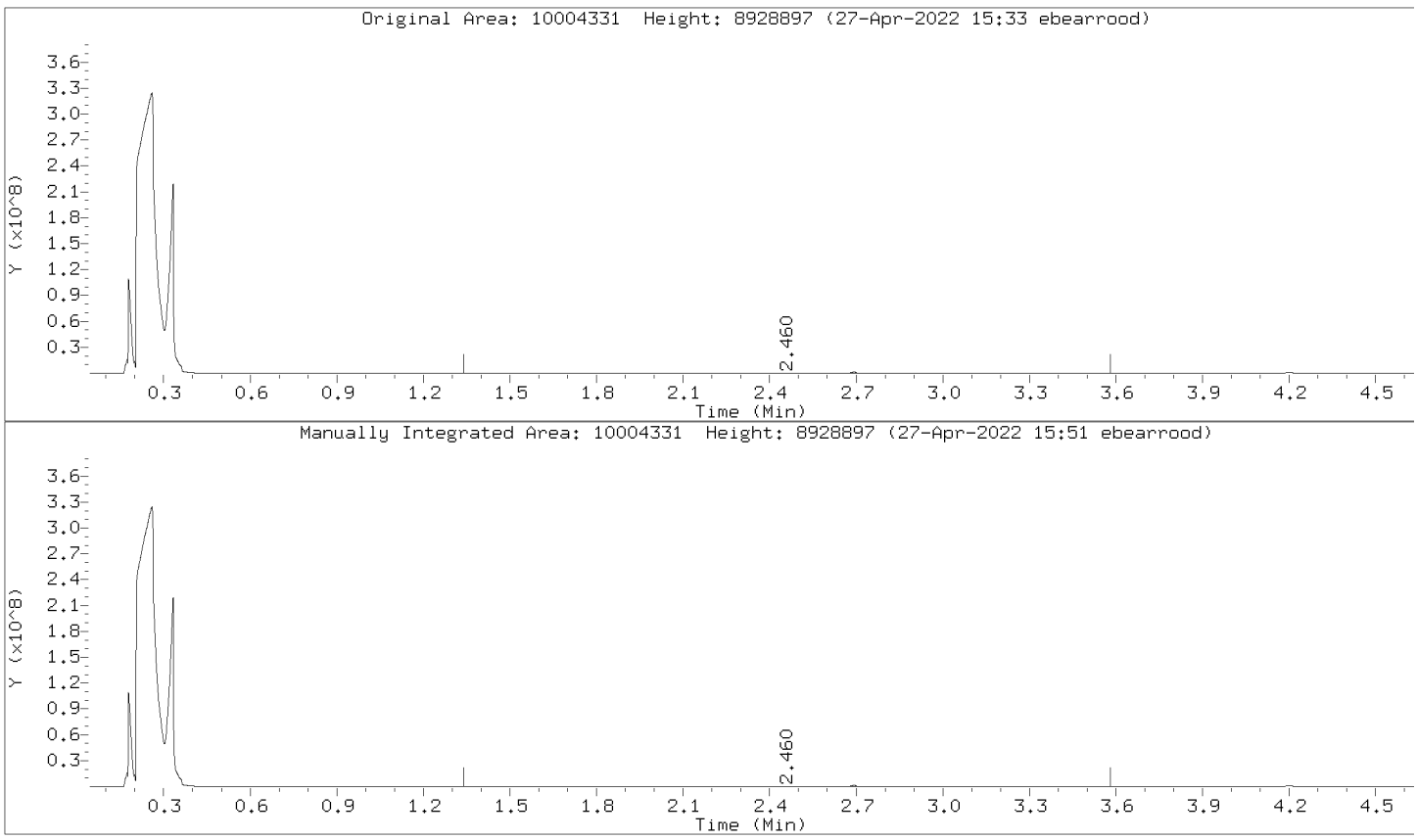
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000016.D
Injection Date: 27-APR-2022 14:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,362377:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



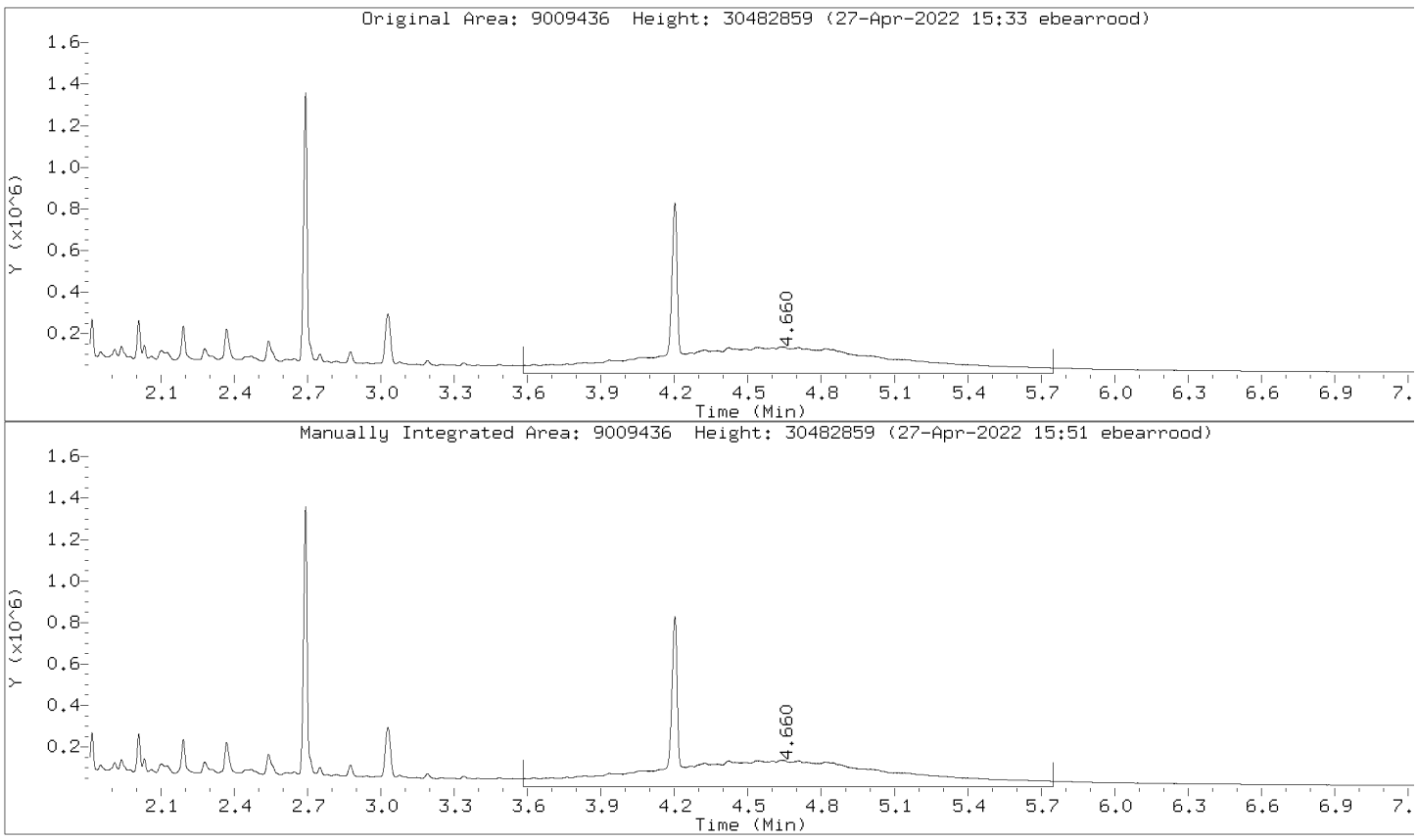
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000016.D
Injection Date: 27-APR-2022 14:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,362377:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



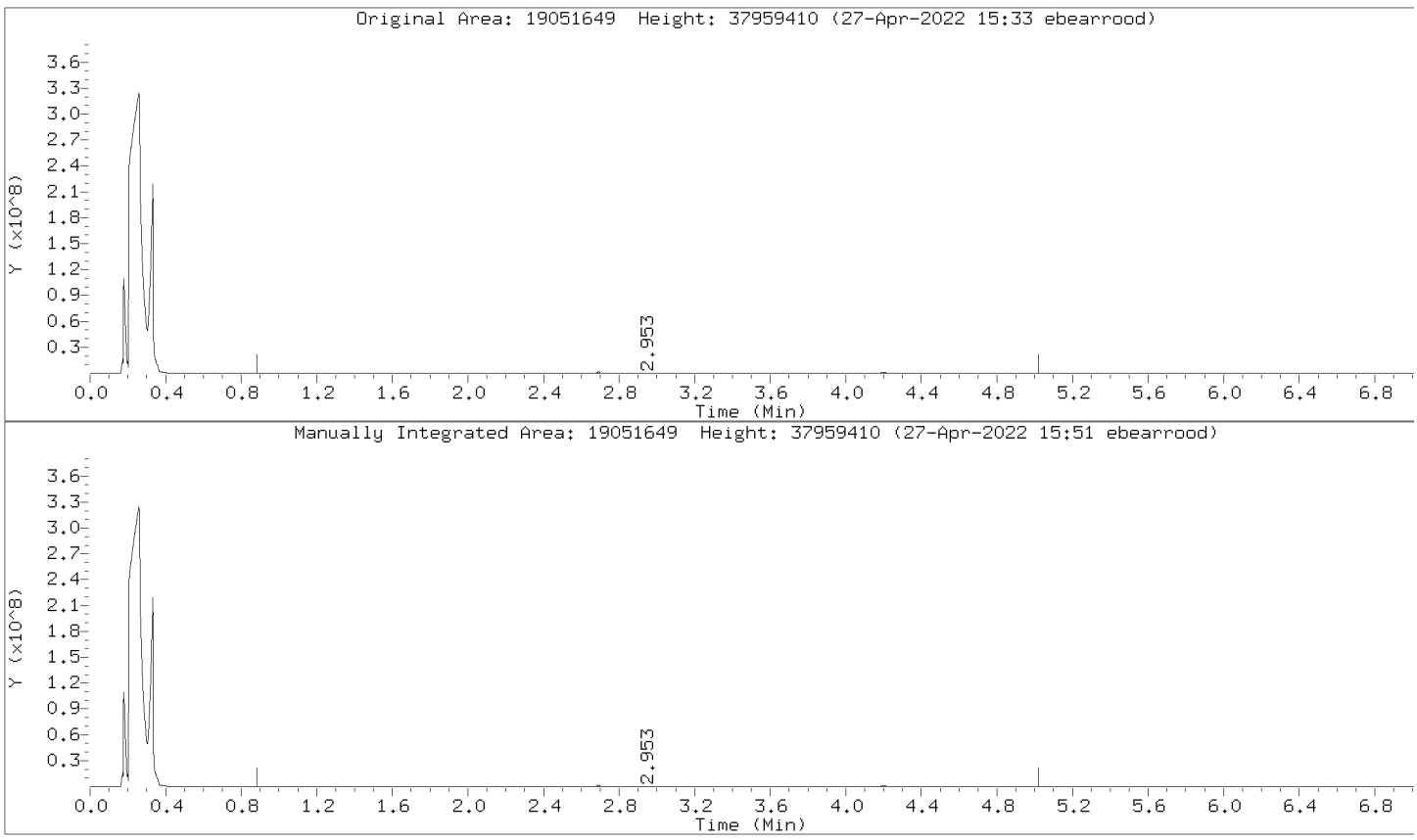
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000016.D
Injection Date: 27-APR-2022 14:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,362377:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



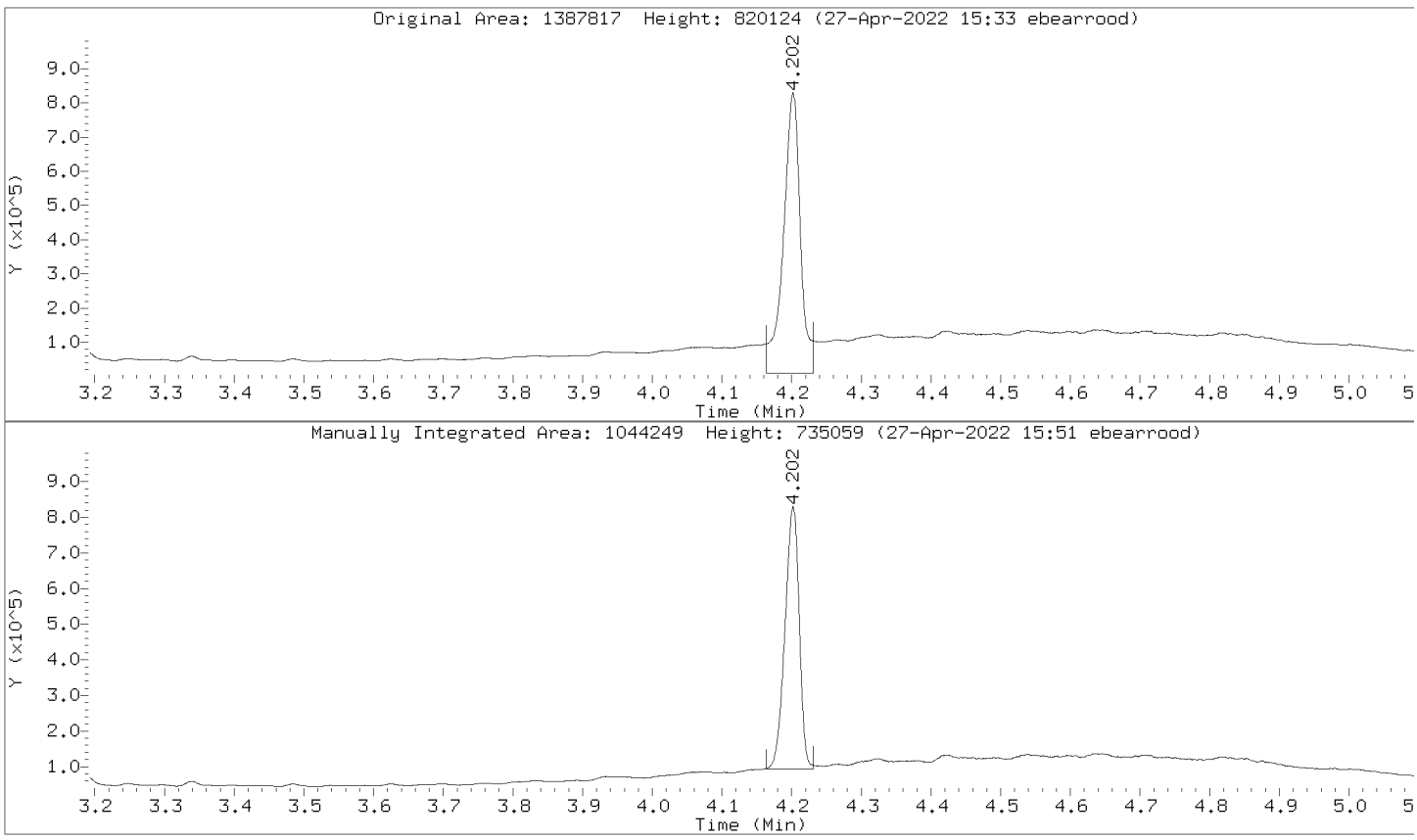
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000016.D
Injection Date: 27-APR-2022 14:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,362377:2

Compound: C10-C36 Review Code: RNG
CAS Number:



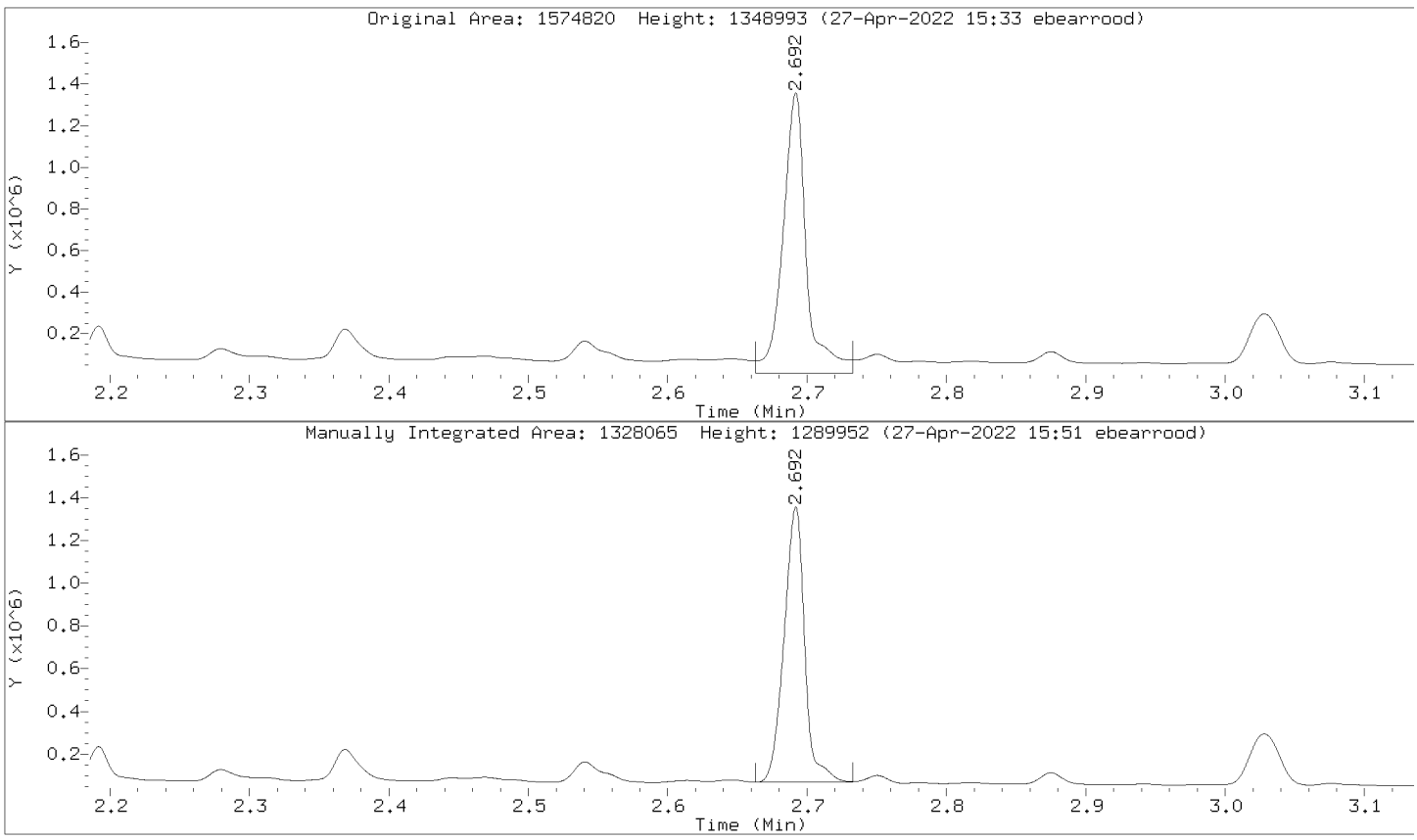
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000016.D
Injection Date: 27-APR-2022 14:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,362377:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000016.D
Injection Date: 27-APR-2022 14:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,362377:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000017.D
Lab Smp Id: DMO-CAL10,362378:2 Client Smp ID: DMO-CAL10,362378:2
Inj Date : 27-APR-2022 14:42
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-cal10,362378:2
Misc Info : 39205
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\042722R.b\GCSFakNW8015-042722_3920
Meth Date : 27-Apr-2022 16:06 ebearrood Quant Type: ESTD
Cal Date : 27-APR-2022 14:42 Cal File: 0427R0000017.D
Als bottle: 87 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.885	- 3.540		23156787	4000.00	3980	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.698	2.685	0.013	2641228	400.000	399	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.210	4.193	0.017	2060731	400.000	399	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.541	- 5.020		14036526	4000.00	3990	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.885	- 4.099		26459303	4000.00	3980	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.400	- 5.020		14575028	4000.00	3990	(M)	RNG
S 7 C10-C36					CAS #:		
0.885	- 5.020		37193313	8000.00	7970	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.340	- 3.580		19496130	4000.00	3990	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.340	- 3.580		19496130	4000.00	3990	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.581	- 5.740		17707474	4000.00	3990	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.581	- 5.740		17707474	4000.00	3990	(M)	RNG

QC Flag Legend

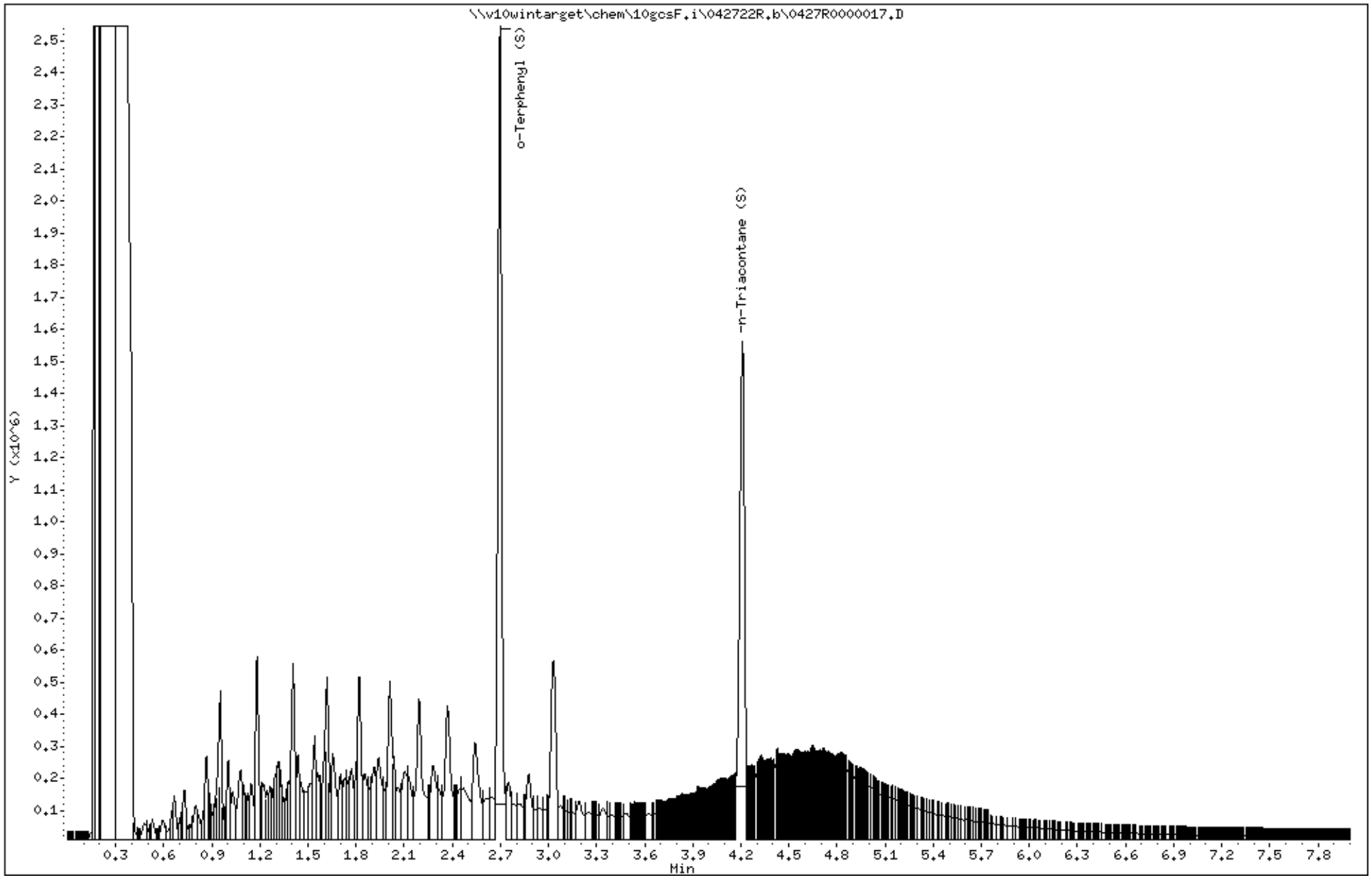
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000017.D
Date : 27-APR-2022 14:42
Client ID: DMO-CAL10,362378:2
Sample Info: DMO-CAL10,362378:2

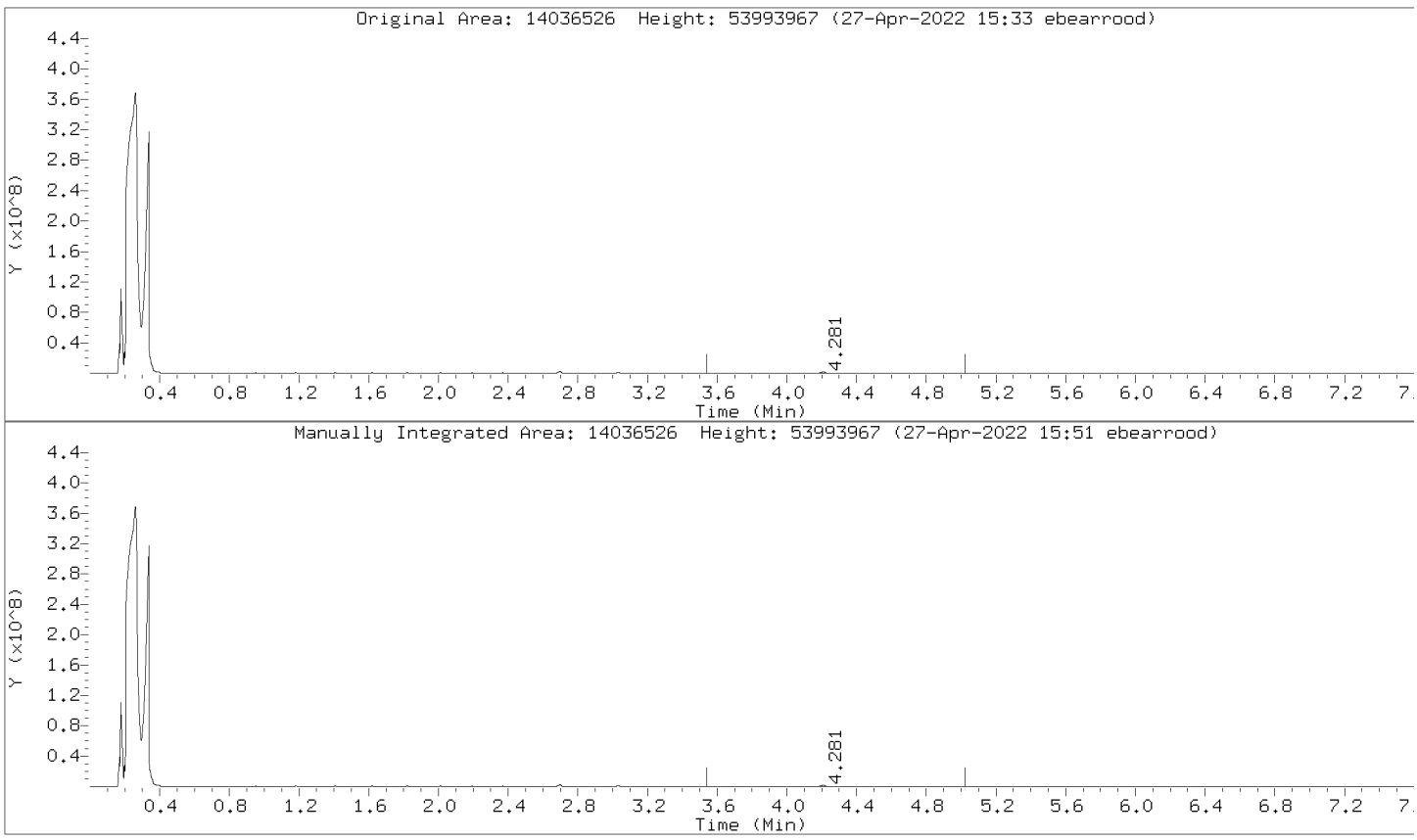
Instrument: 10gcsF.i
Operator: EB3
Column phase: DB-5-US21430033
Column diameter: 0.32



256 of 1320
184 of 777
10606395

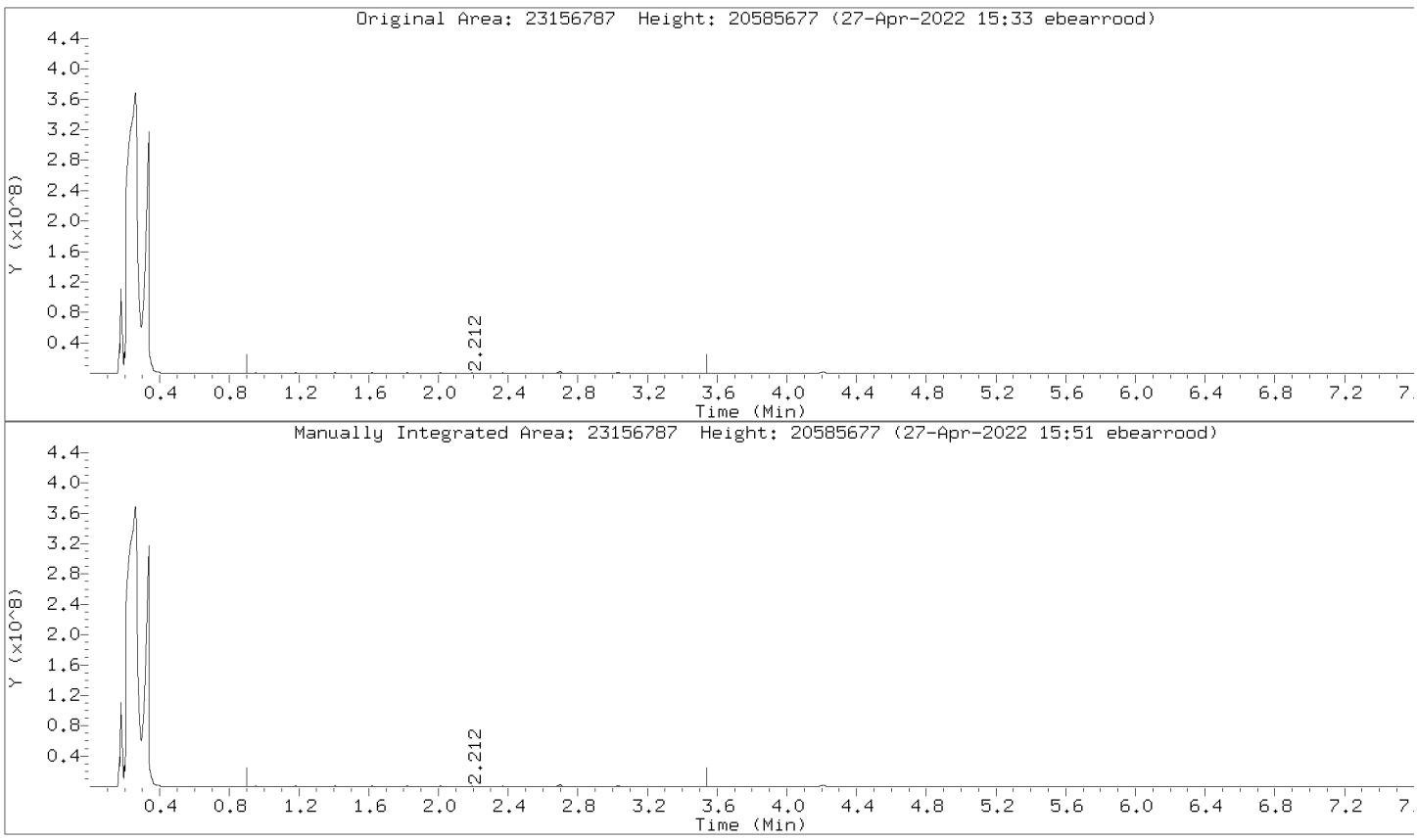
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000017.D
Injection Date: 27-APR-2022 14:42
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,362378:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



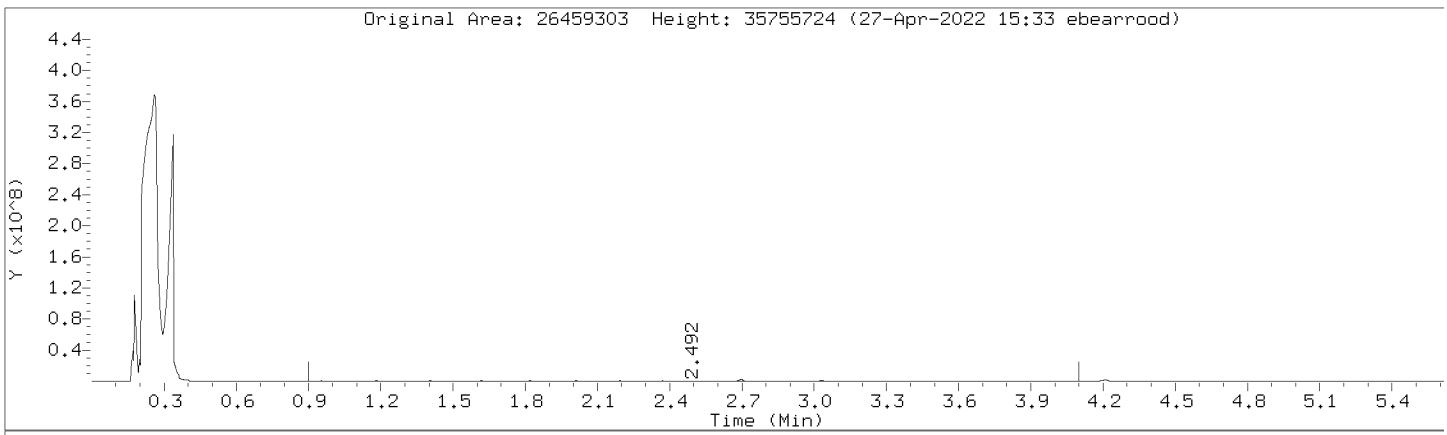
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000017.D
Injection Date: 27-APR-2022 14:42
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,362378:2

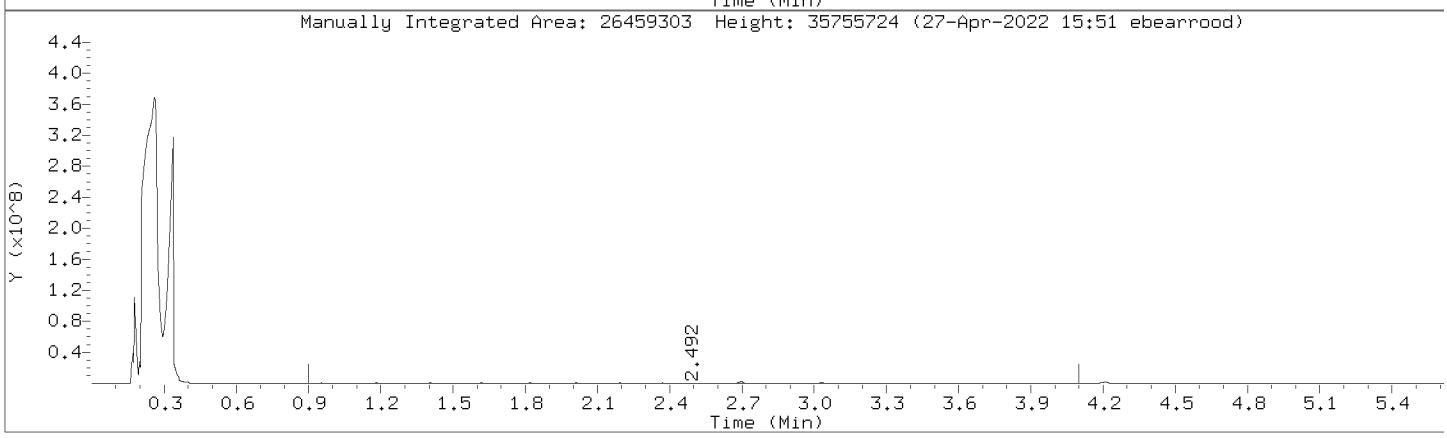
Compound: DRO by AK 102 Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000017.D
Injection Date: 27-APR-2022 14:42
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,362378:2

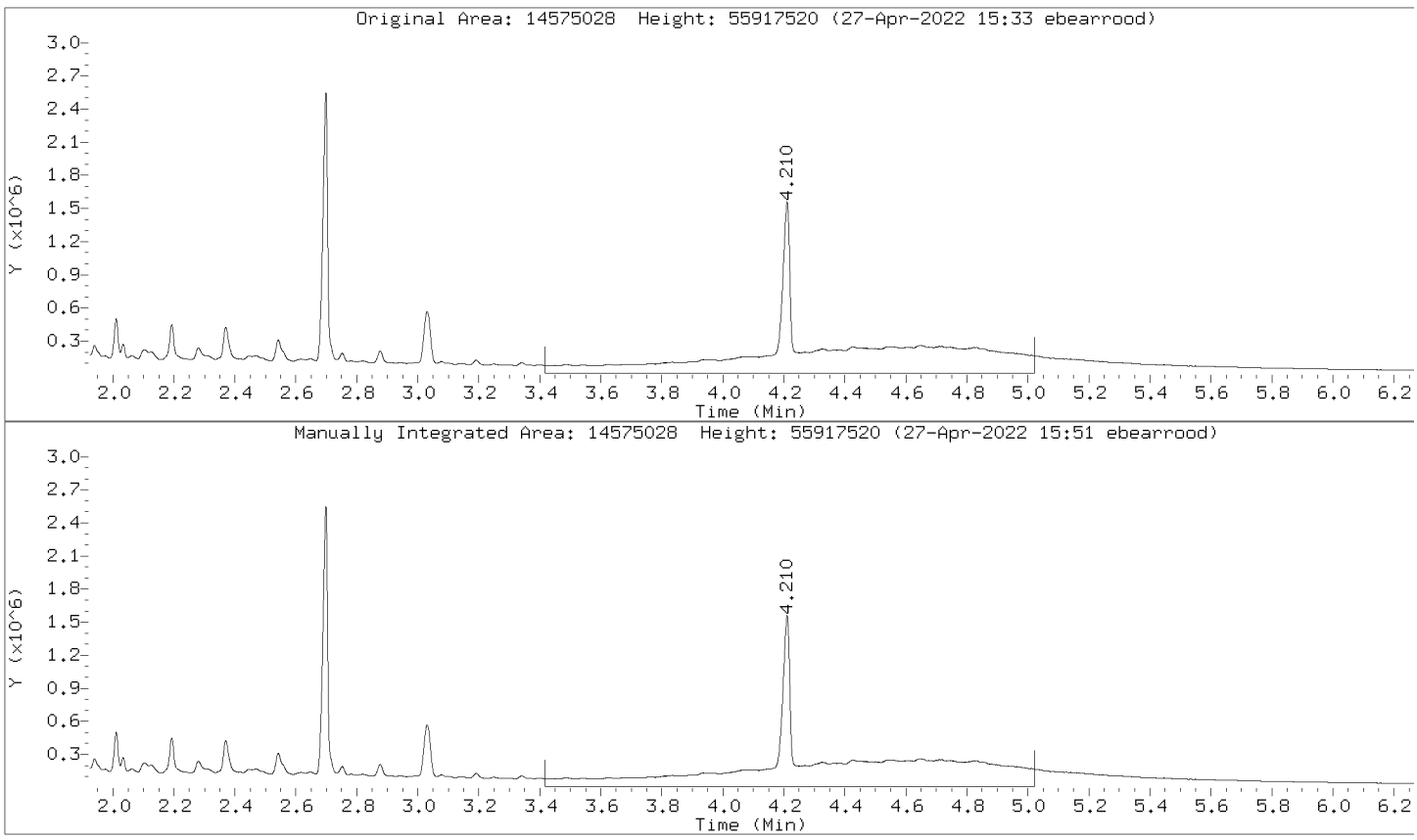
Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:





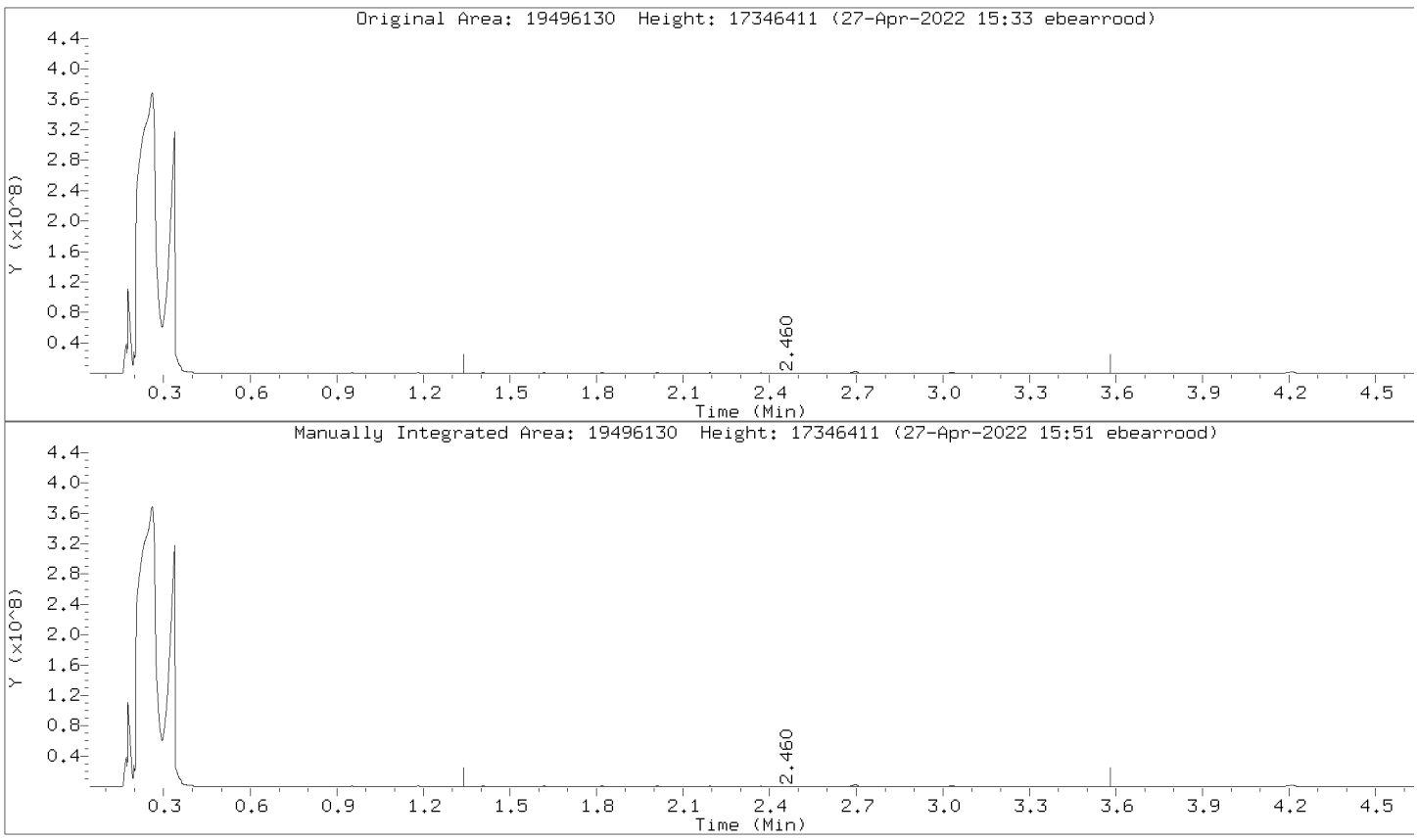
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000017.D
Injection Date: 27-APR-2022 14:42
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,362378:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



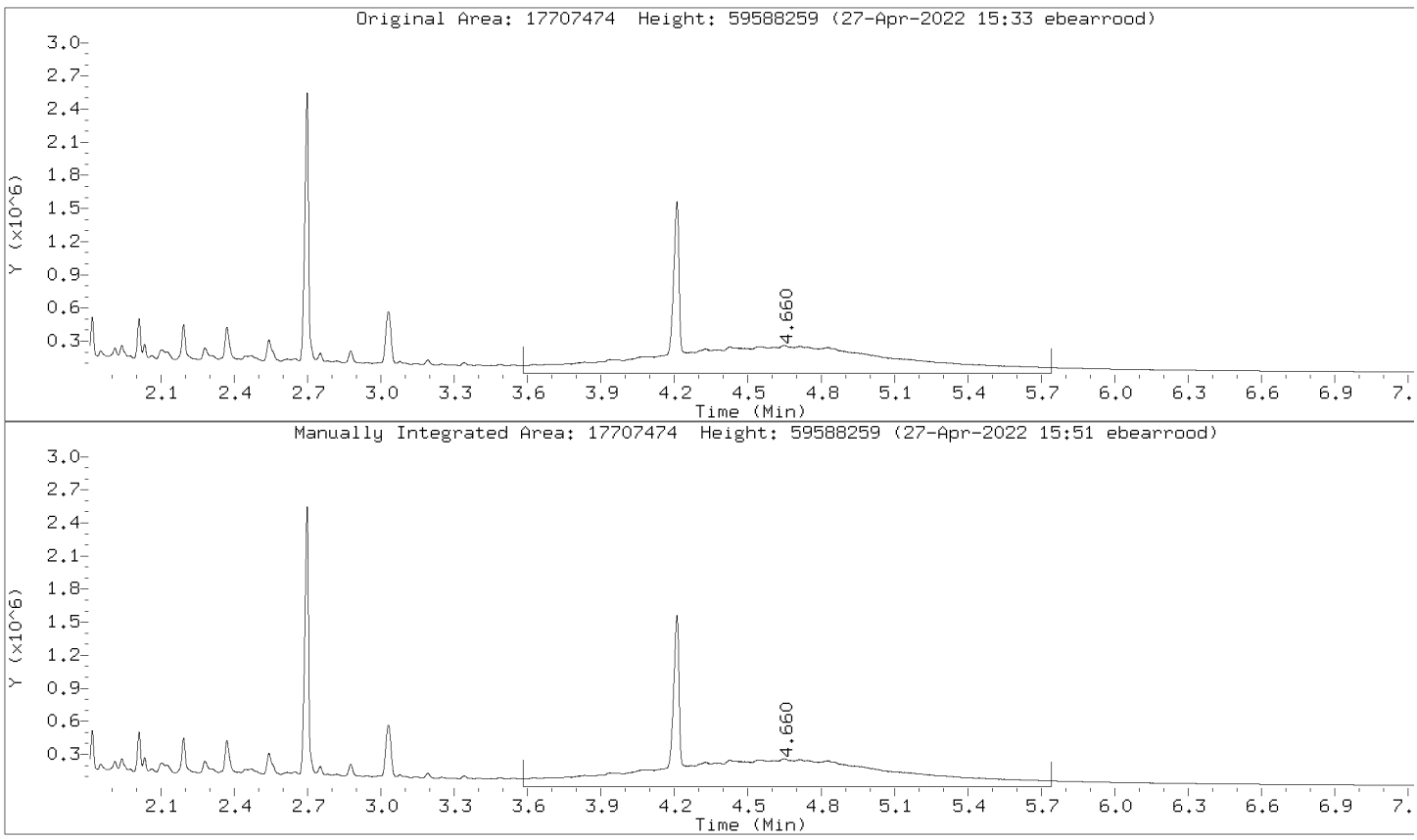
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000017.D
Injection Date: 27-APR-2022 14:42
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,362378:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



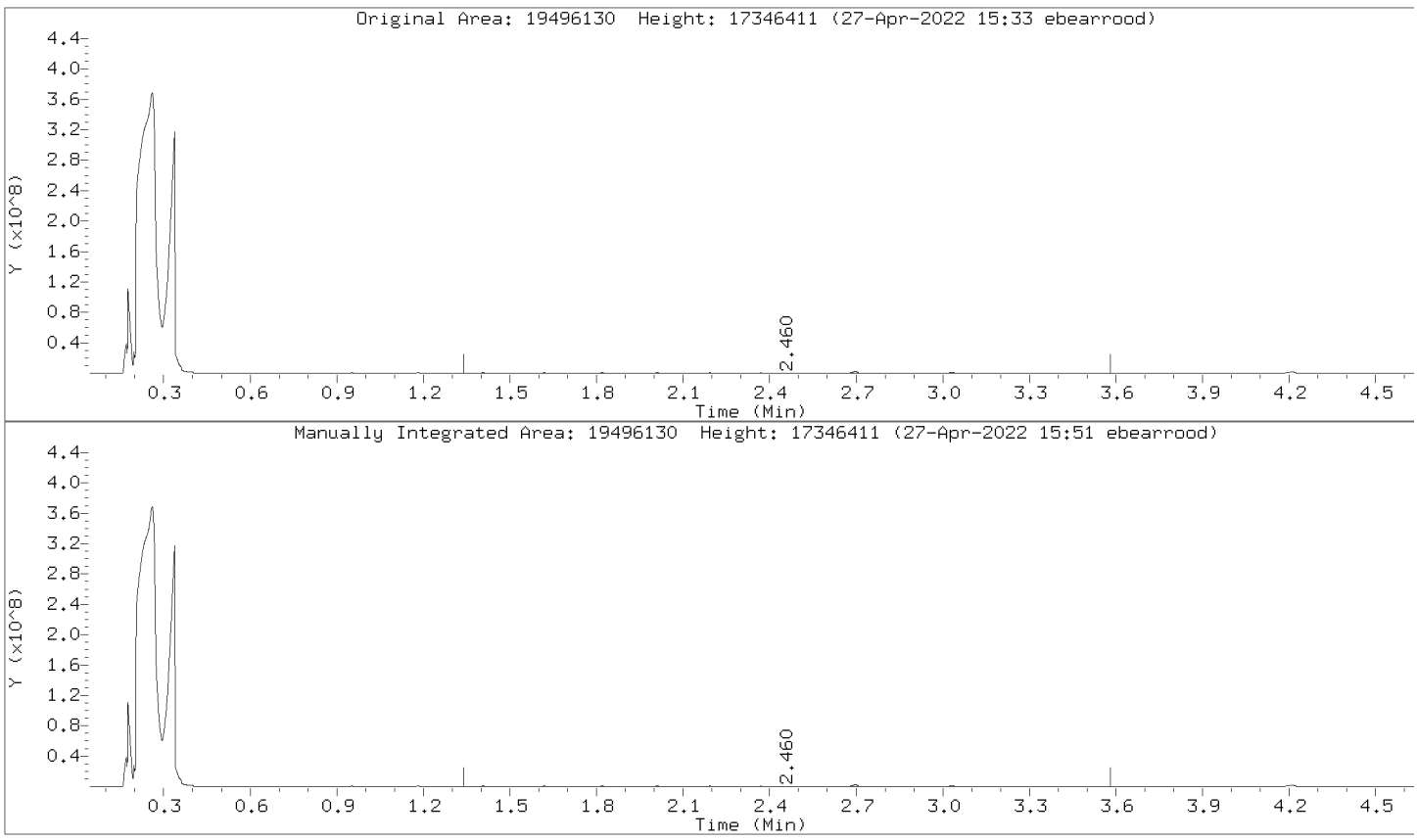
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000017.D
Injection Date: 27-APR-2022 14:42
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,362378:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



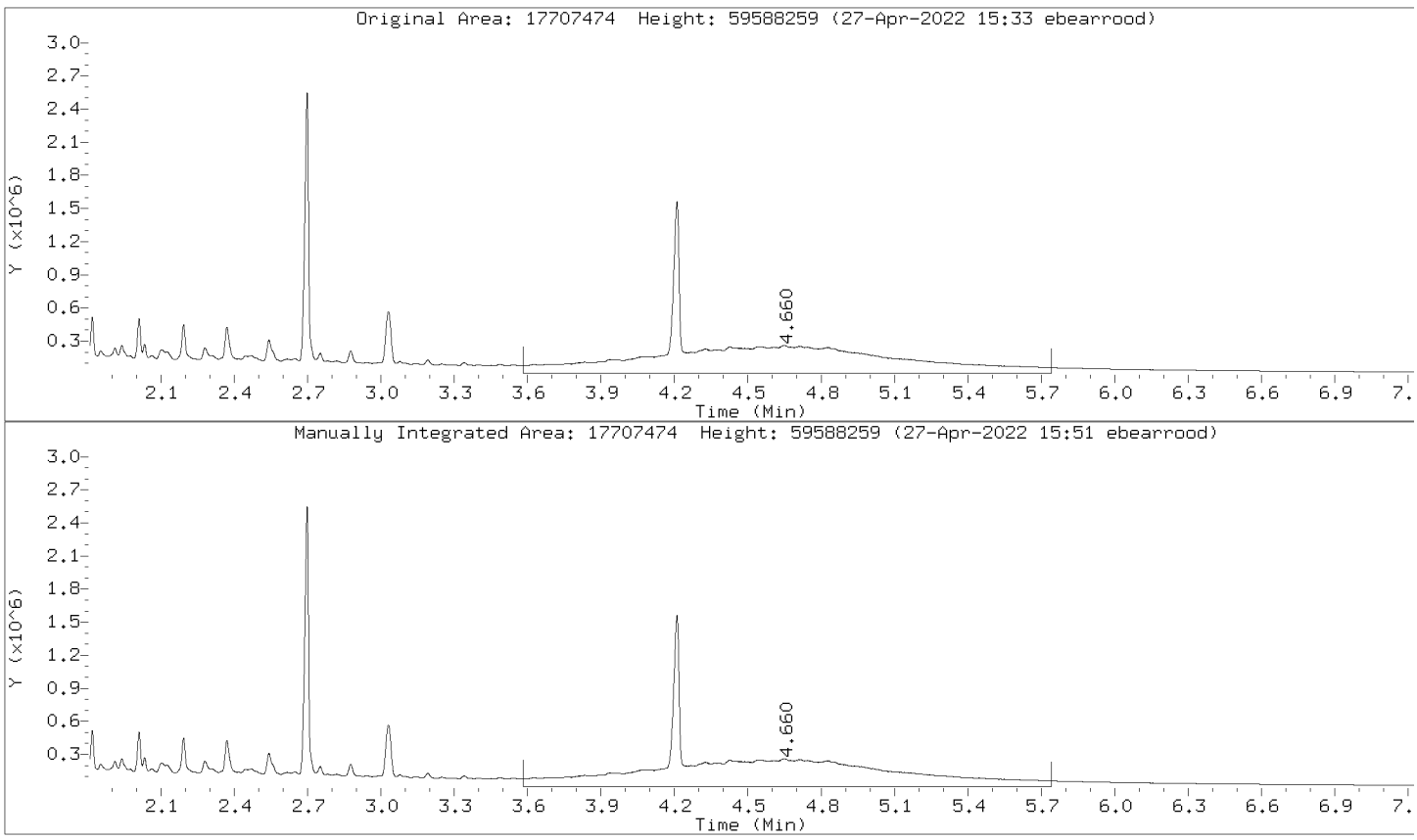
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000017.D
Injection Date: 27-APR-2022 14:42
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,362378:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



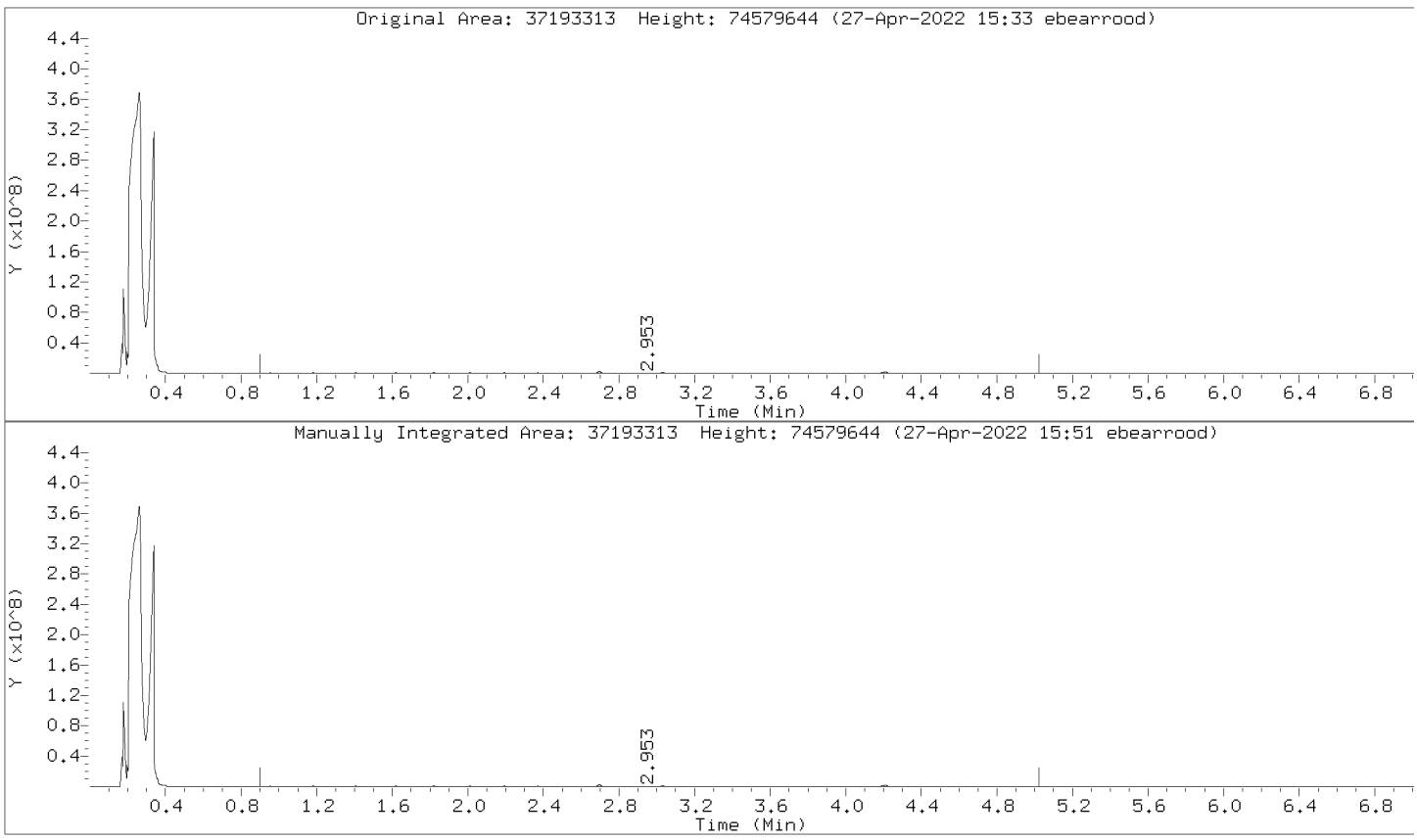
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000017.D
Injection Date: 27-APR-2022 14:42
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,362378:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



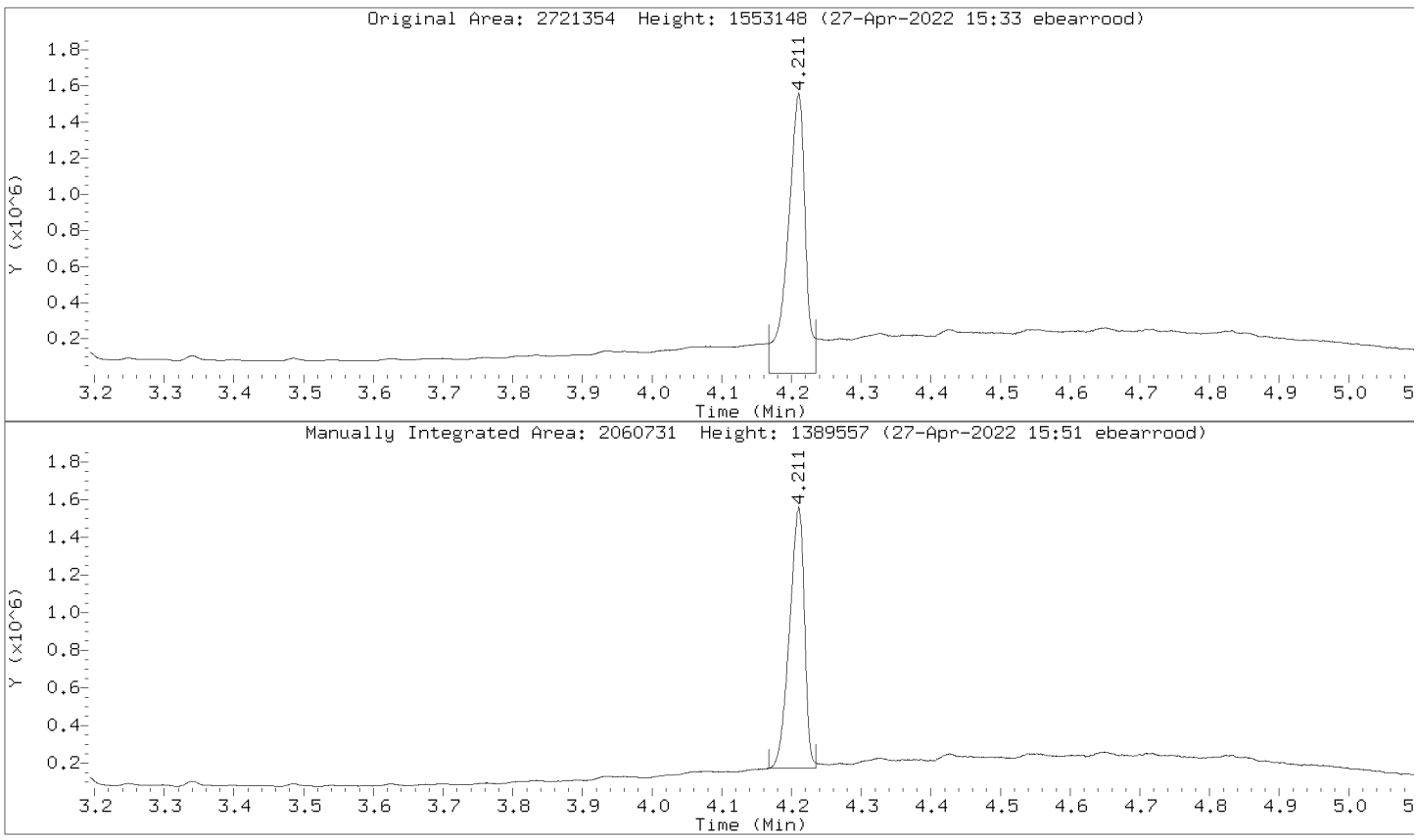
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000017.D
Injection Date: 27-APR-2022 14:42
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,362378:2

Compound: C10-C36 Review Code: RNG
CAS Number:



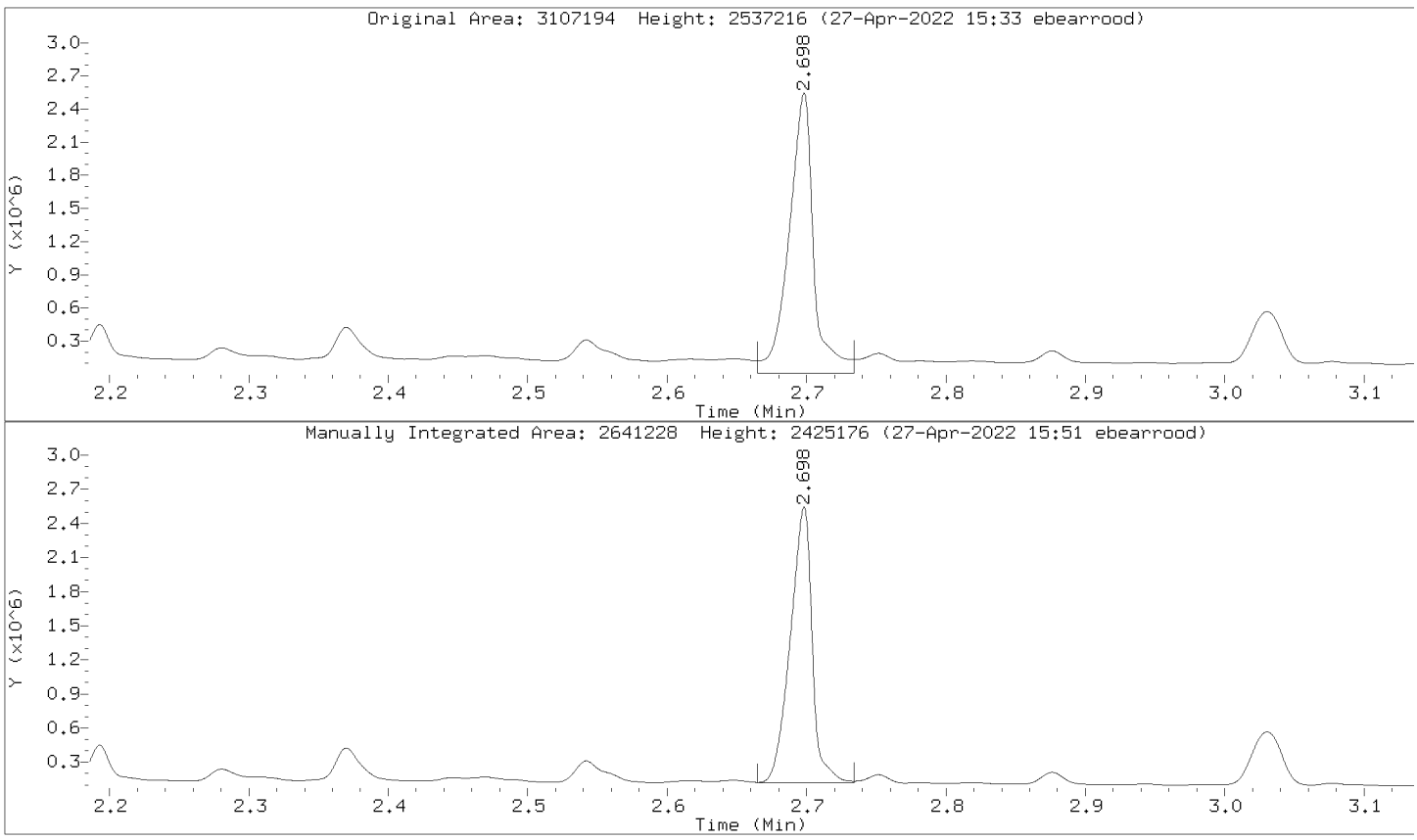
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000017.D
Injection Date: 27-APR-2022 14:42
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,362378:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000017.D
Injection Date: 27-APR-2022 14:42
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,362378:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000020.D
Lab Smp Id: PBLK,349203:2 Client Smp ID: PBLK,349203:2
Inj Date : 27-APR-2022 15:15
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : pblk,349203:2
Misc Info : 39205
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\042722R.b\GCSFakNW8015-042722_3920
Meth Date : 27-Apr-2022 16:06 ebearrood Quant Type: ESTD
Cal Date : 27-APR-2022 14:42 Cal File: 0427R0000017.D
Als bottle: 89
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.885	- 3.540		316955			(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.684	2.685	-0.001	322293	48.2082	48.2	(RM)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.192	4.193	-0.001	256654	49.0505	49.0	(RM)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.541	- 5.020		105170			(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.885	- 4.099		355128			(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.400	- 5.020		376803	68.6955	68.7	(M)	RNG
S 7 C10-C36					CAS #:		
0.885	- 5.020		678780	43.5931	43.6	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.340	- 3.580		285316			(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.340	- 3.580		285316			(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.581	- 5.740		415690	67.8385	67.8	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.581	- 5.740		415690	67.8385	67.8	(M)	RNG

QC Flag Legend

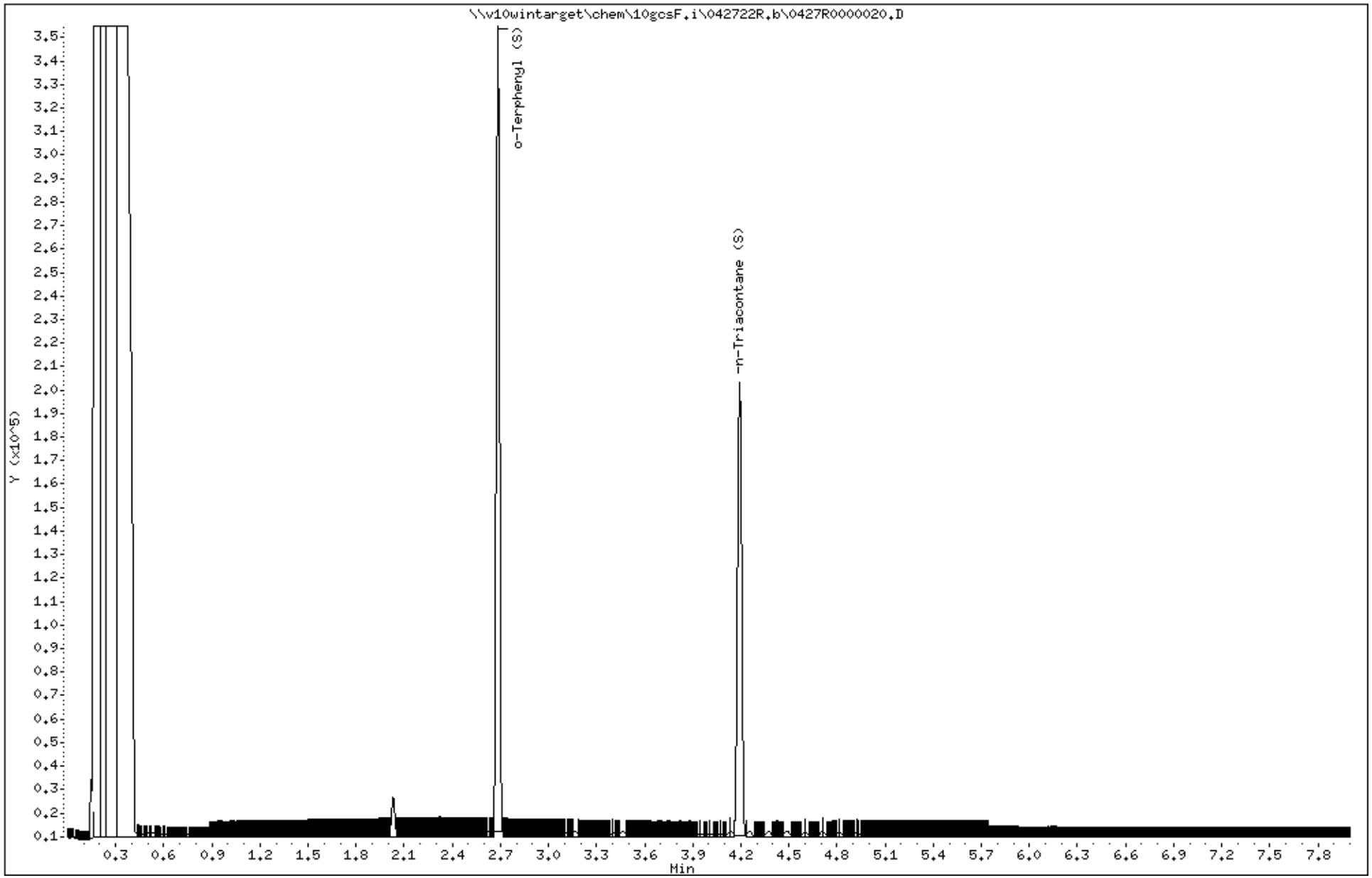
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

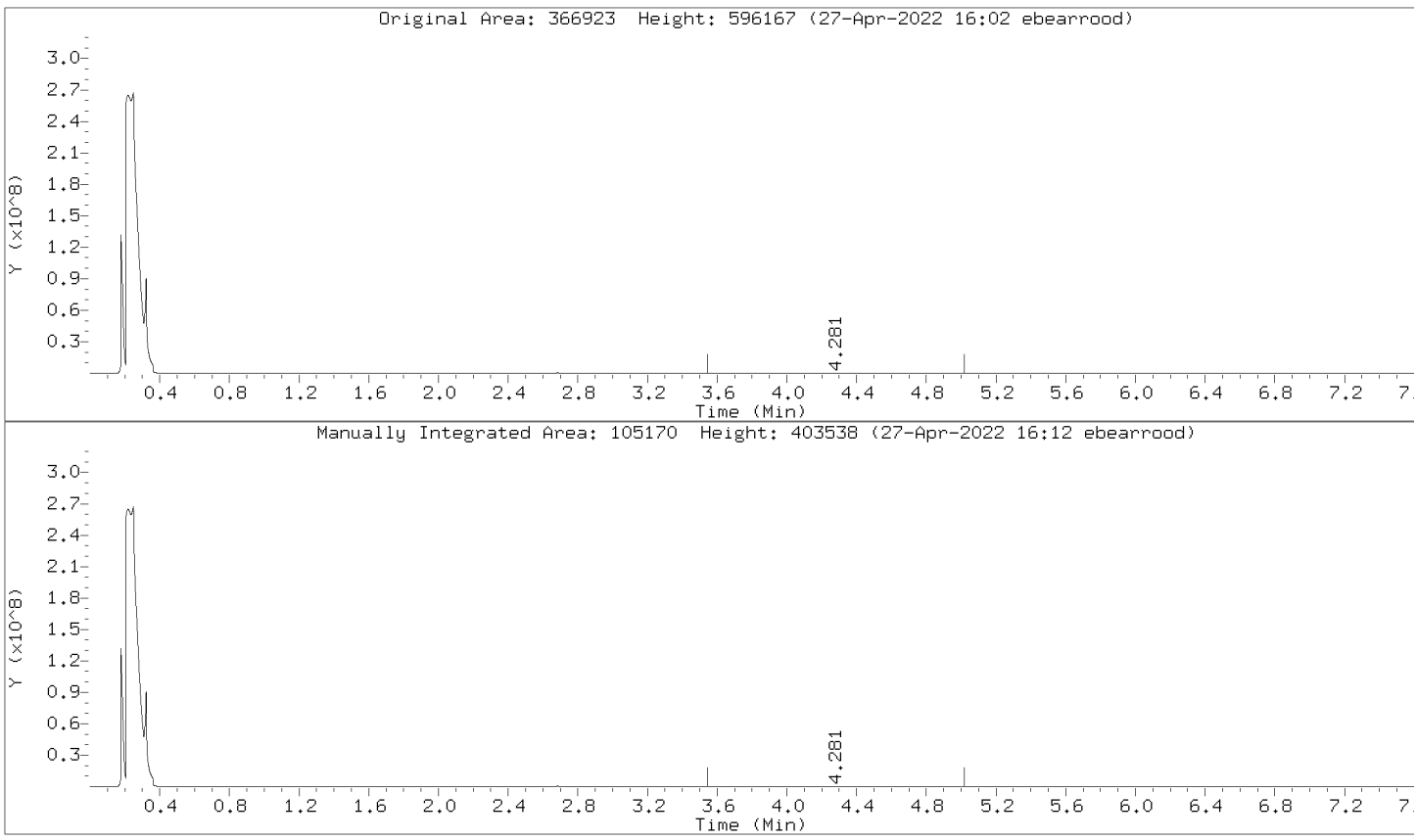
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000020.D
Date : 27-APR-2022 15:15
Client ID: PBLK,349203:2
Sample Info: PBLK,349203:2

Instrument: 10gcsF.i
Operator: EB3
Column phase: DB-5-US21430033
Column diameter: 0.32



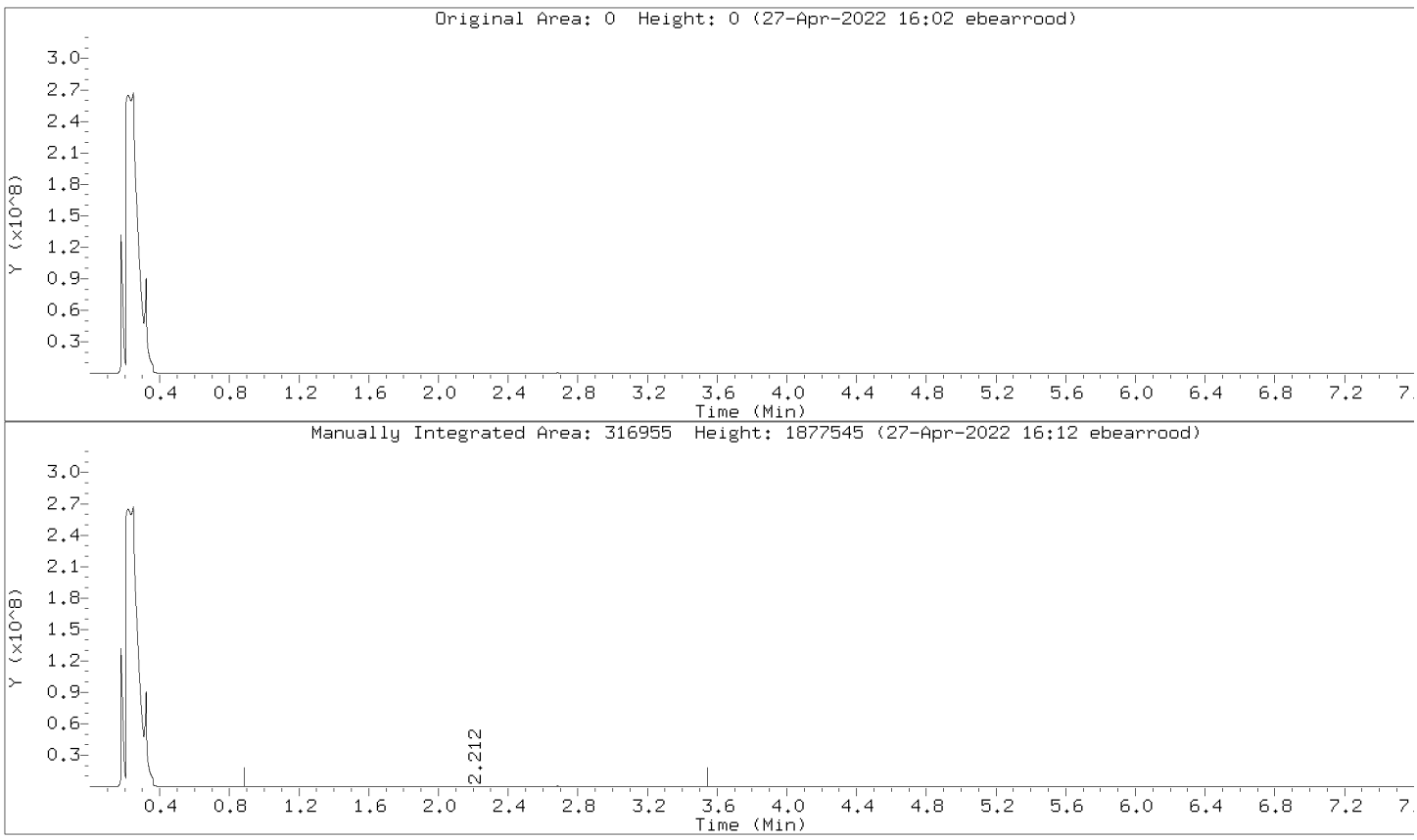
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000020.D
Injection Date: 27-APR-2022 15:15
Instrument: 10gcsF.i
Lab Sample ID: PBLK,349203:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



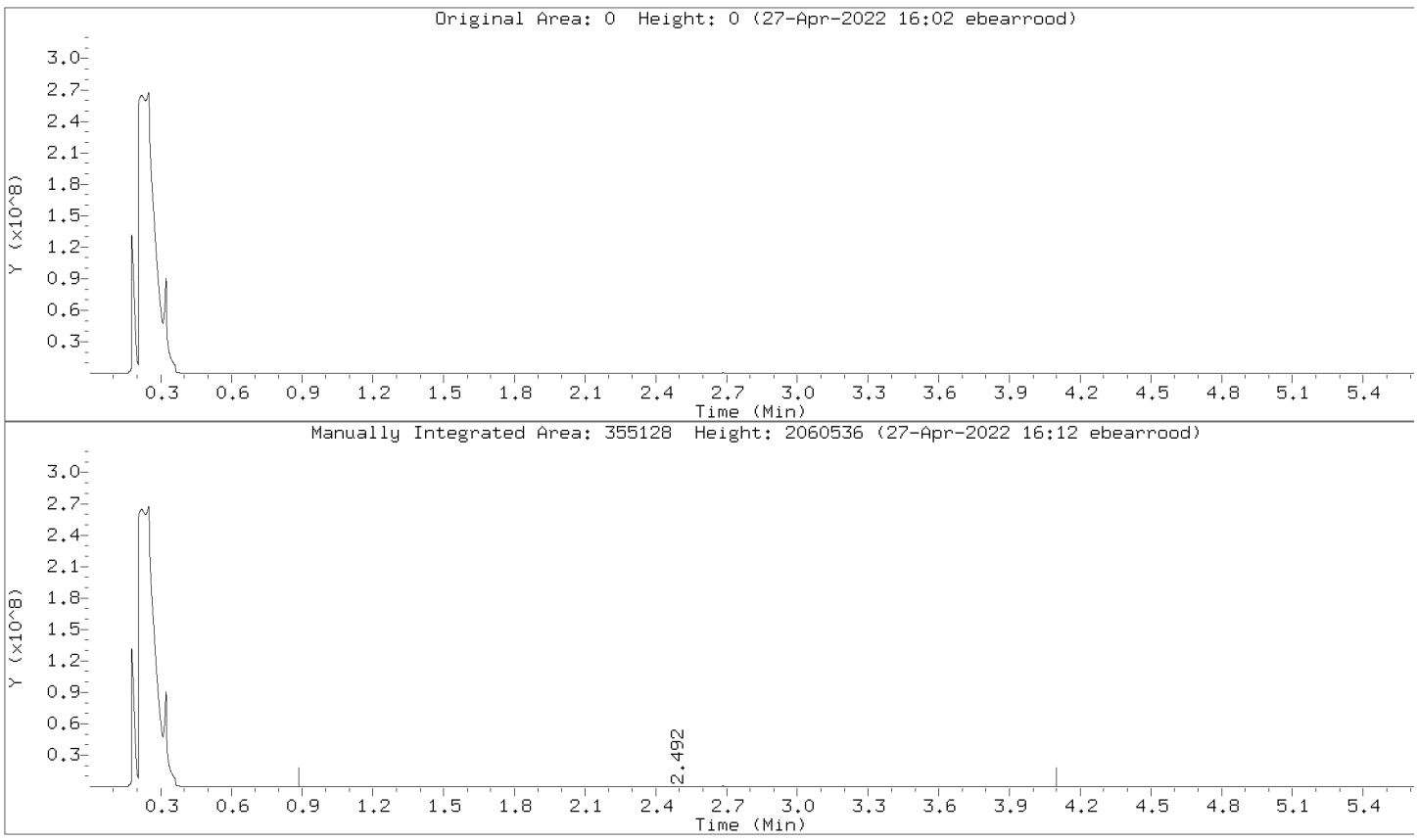
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000020.D
Injection Date: 27-APR-2022 15:15
Instrument: 10gcsF.i
Lab Sample ID: PBLK,349203:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



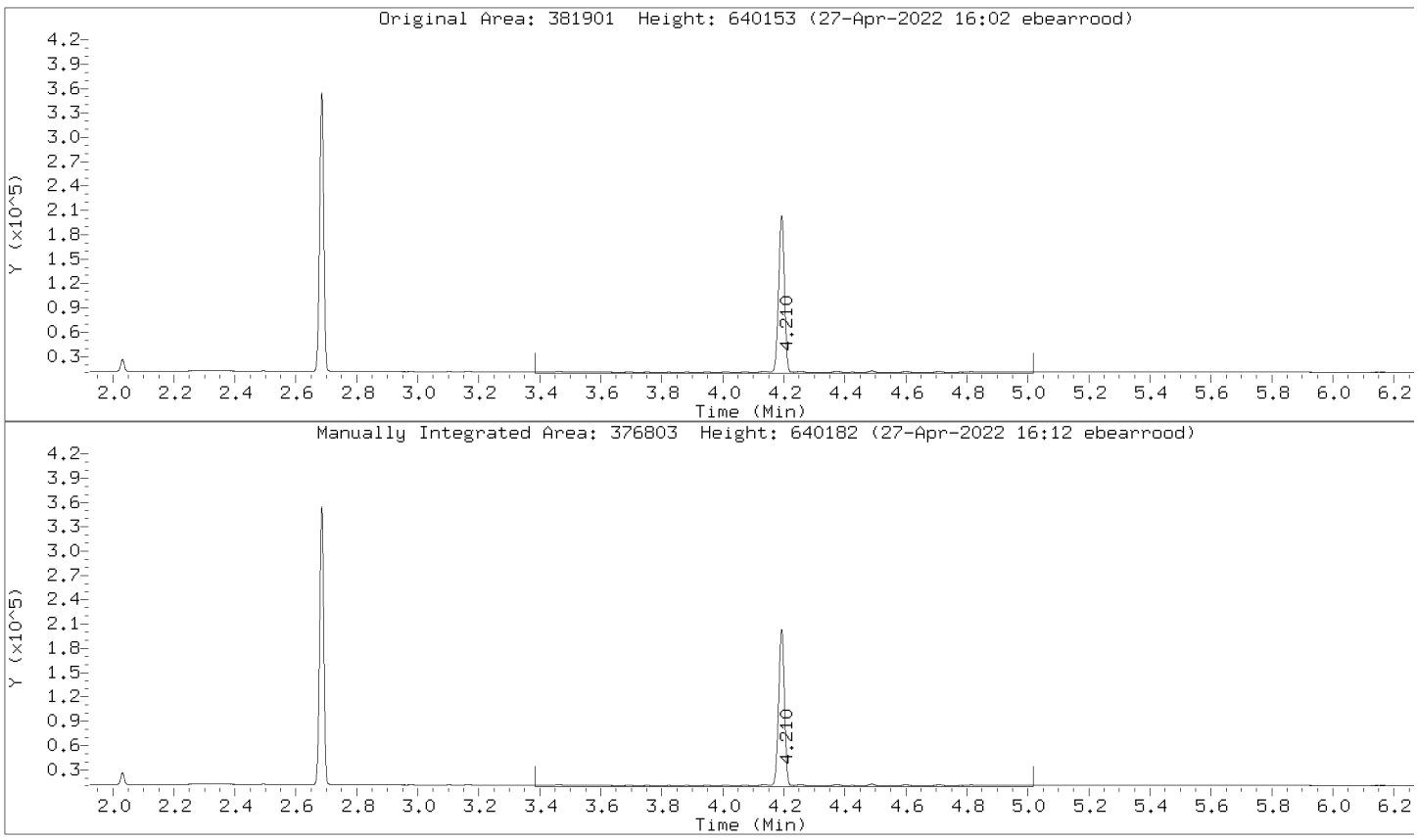
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000020.D
Injection Date: 27-APR-2022 15:15
Instrument: 10gcsF.i
Lab Sample ID: PBLK,349203:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



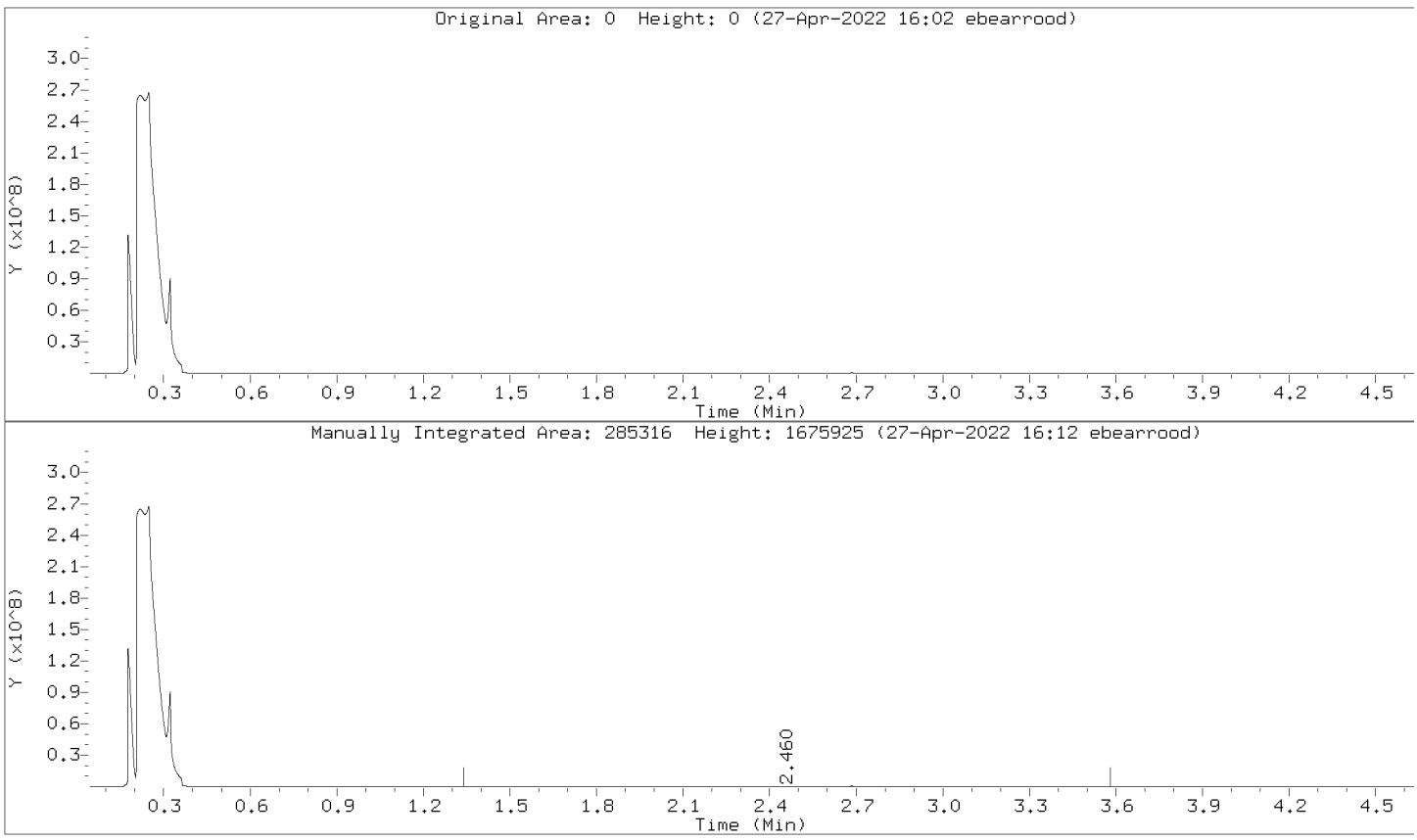
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000020.D
Injection Date: 27-APR-2022 15:15
Instrument: 10gcsF.i
Lab Sample ID: PBLK,349203:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



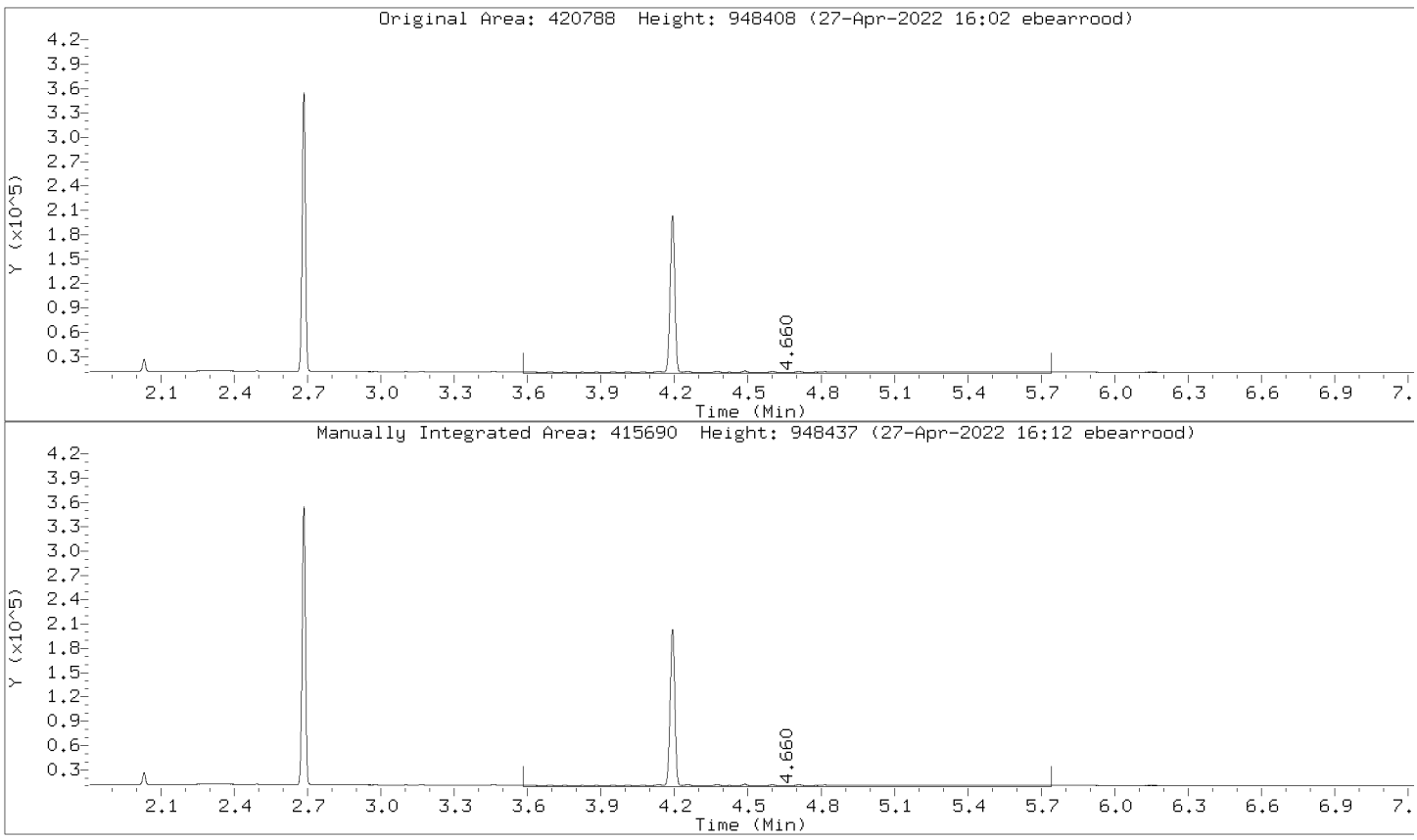
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000020.D
Injection Date: 27-APR-2022 15:15
Instrument: 10gcsF.i
Lab Sample ID: PBLK,349203:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000020.D
Injection Date: 27-APR-2022 15:15
Instrument: 10gcsF.i
Lab Sample ID: PBLK,349203:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



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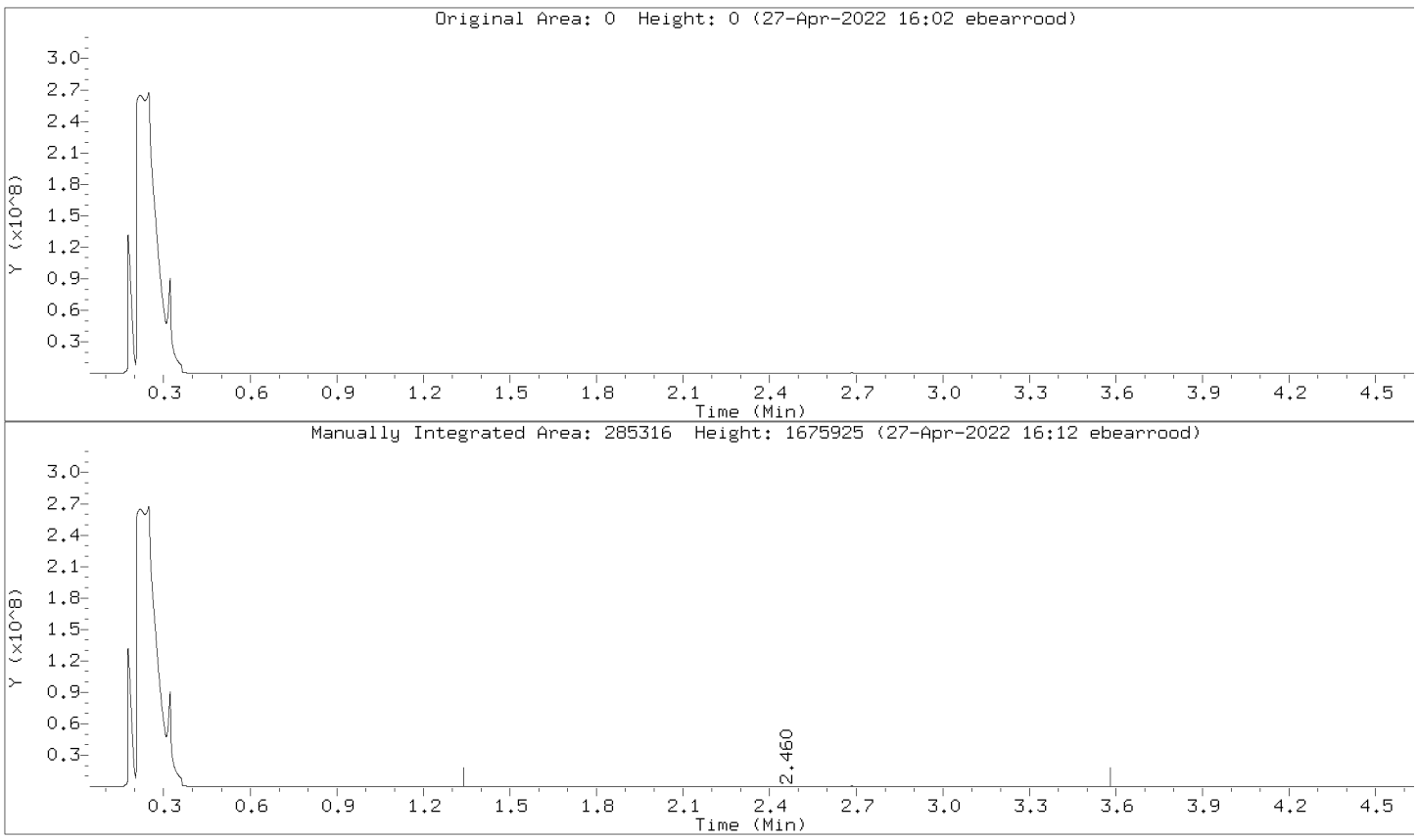
Injection Date: 27-APR-2022 15:15
Instrument: 10gcsF.i
Lab Sample ID: PBLK,349203:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



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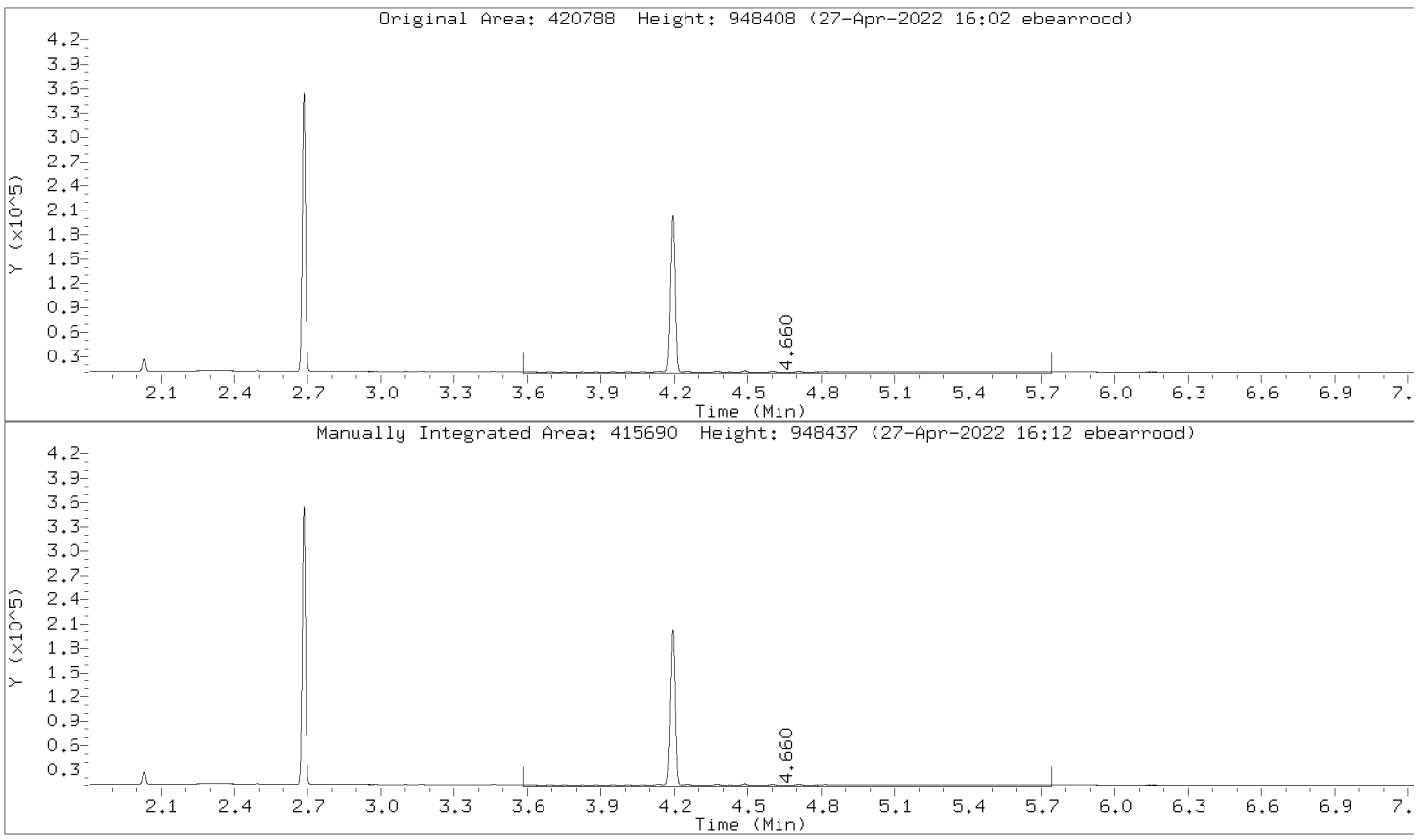
Injection Date: 27-APR-2022 15:15
Instrument: 10gcsF.i
Lab Sample ID: PBLK,349203:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



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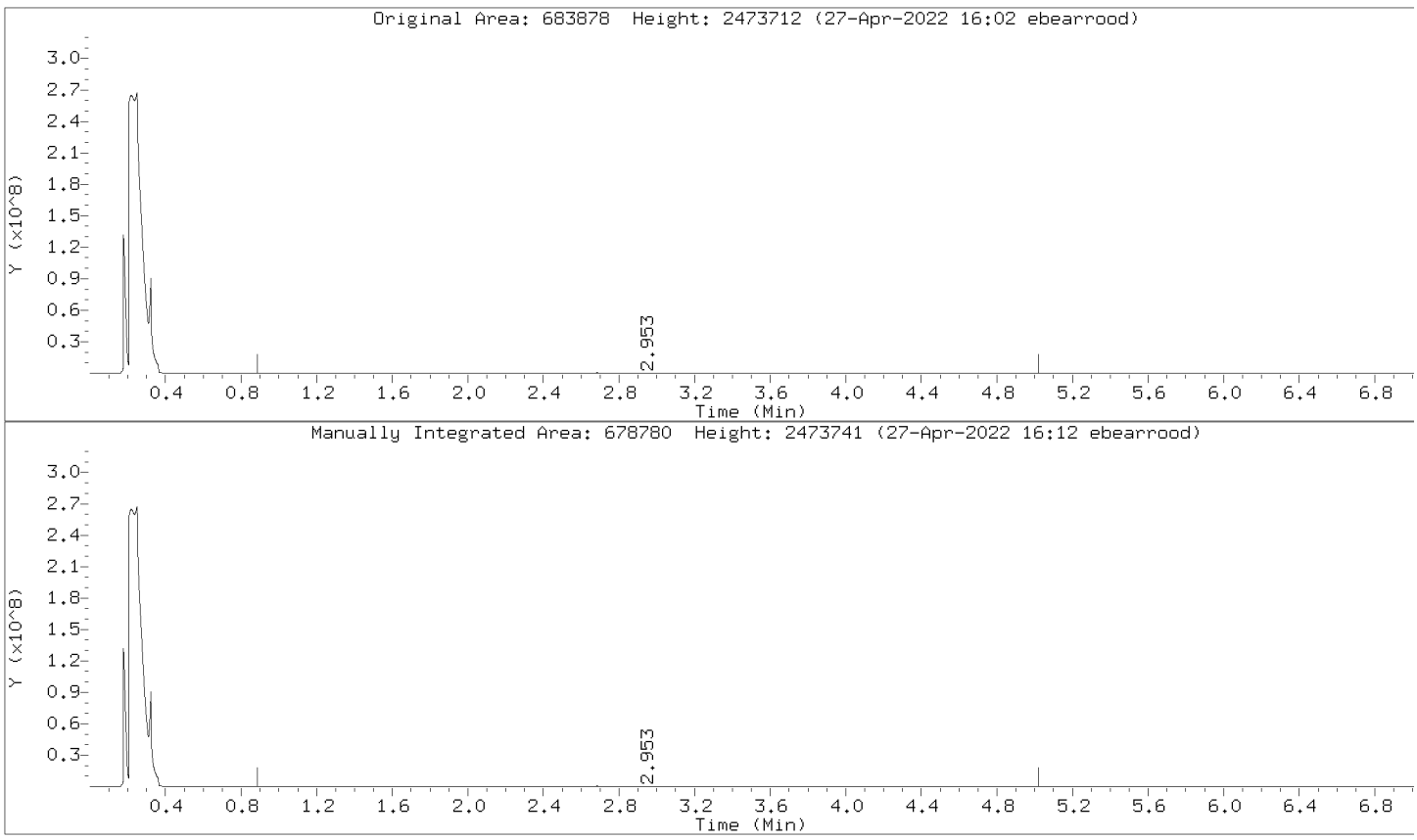
Injection Date: 27-APR-2022 15:15
Instrument: 10gcsF.i
Lab Sample ID: PBLK,349203:2

Compound: C10-C36 Review Code: RNG
CAS Number:



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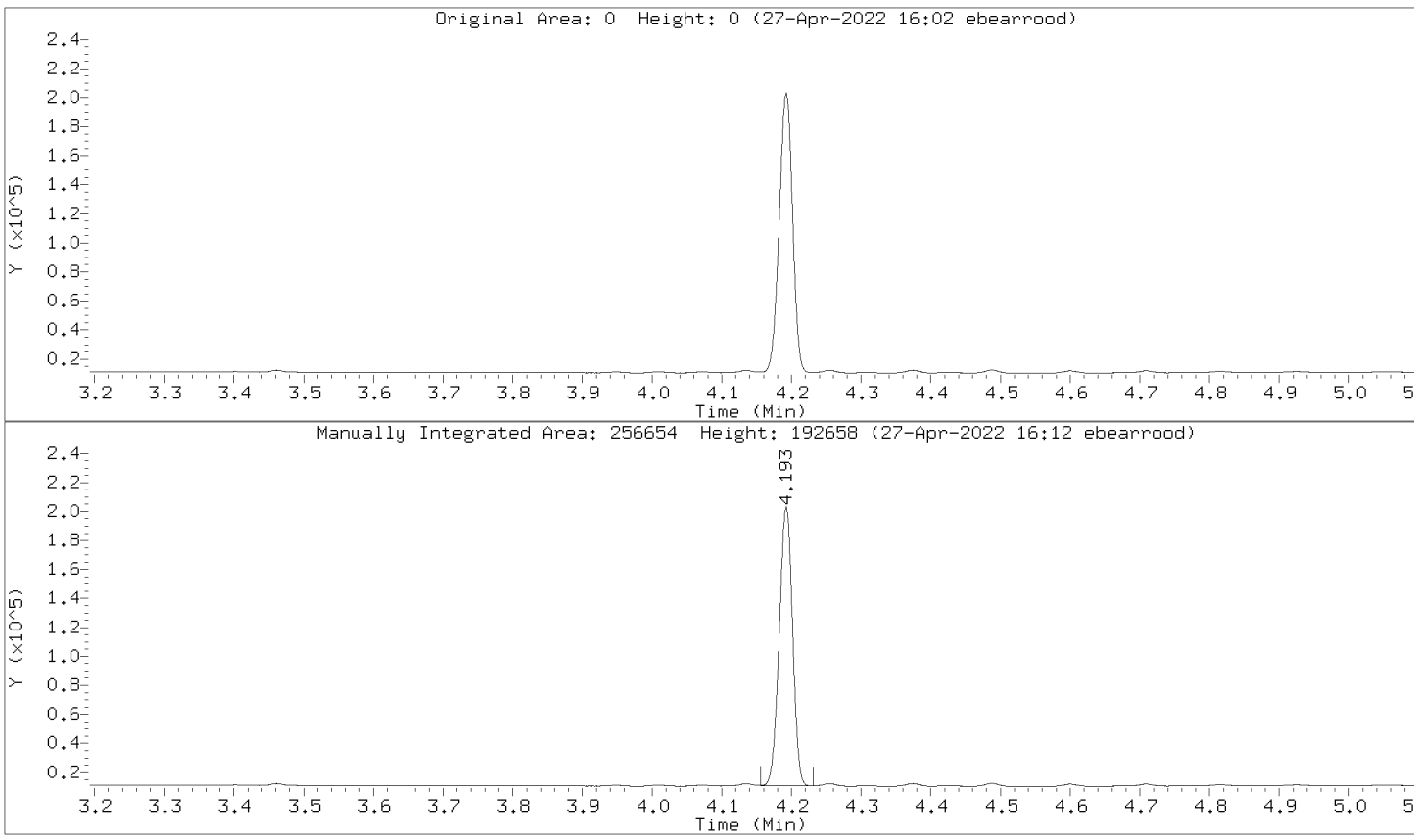
Injection Date: 27-APR-2022 15:15
Instrument: 10gcsF.i
Lab Sample ID: PBLK,349203:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



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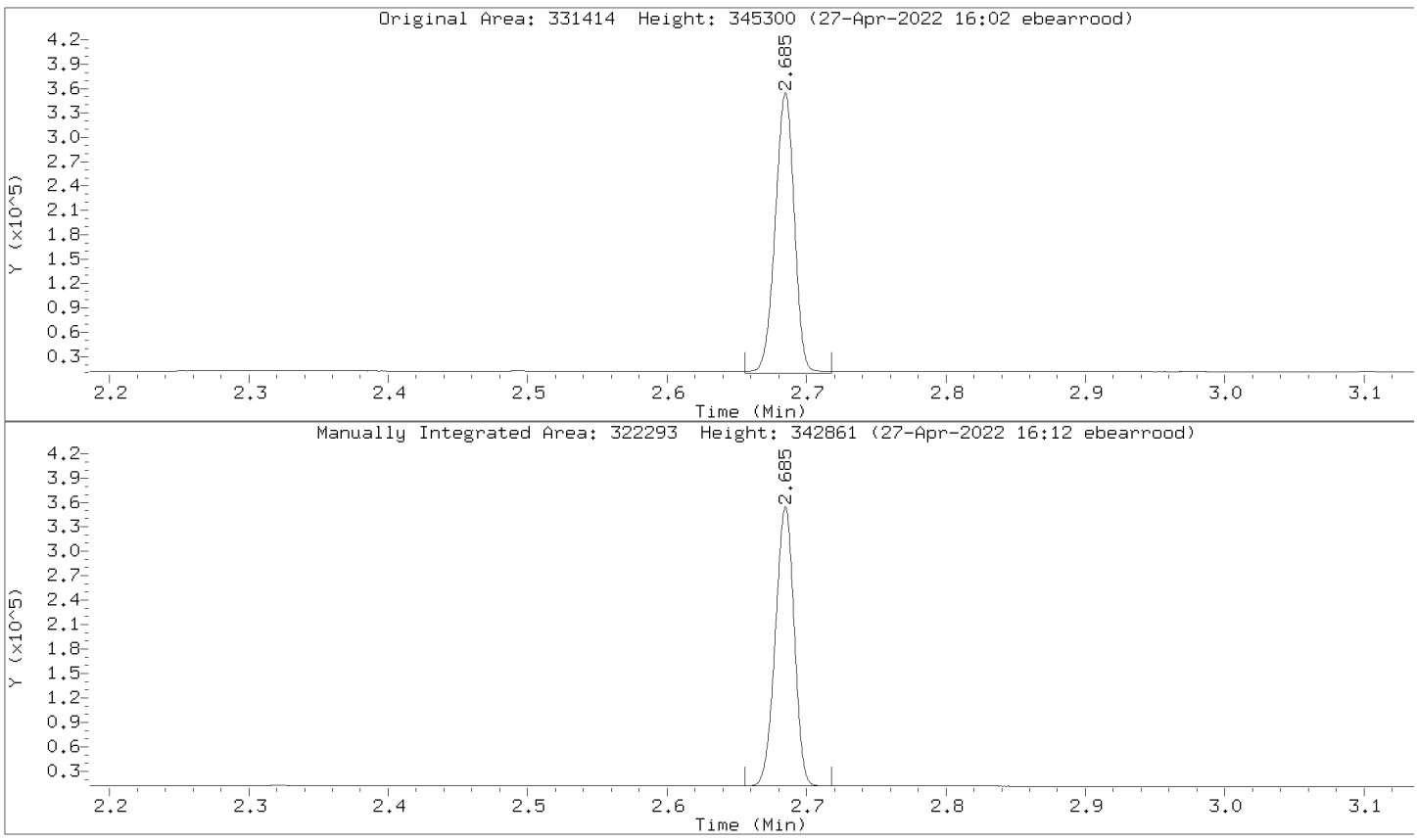
Injection Date: 27-APR-2022 15:15
Instrument: 10gcsF.i
Lab Sample ID: PBLK,349203:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Pace Analytical Services, Inc.

AK 102/AK 103

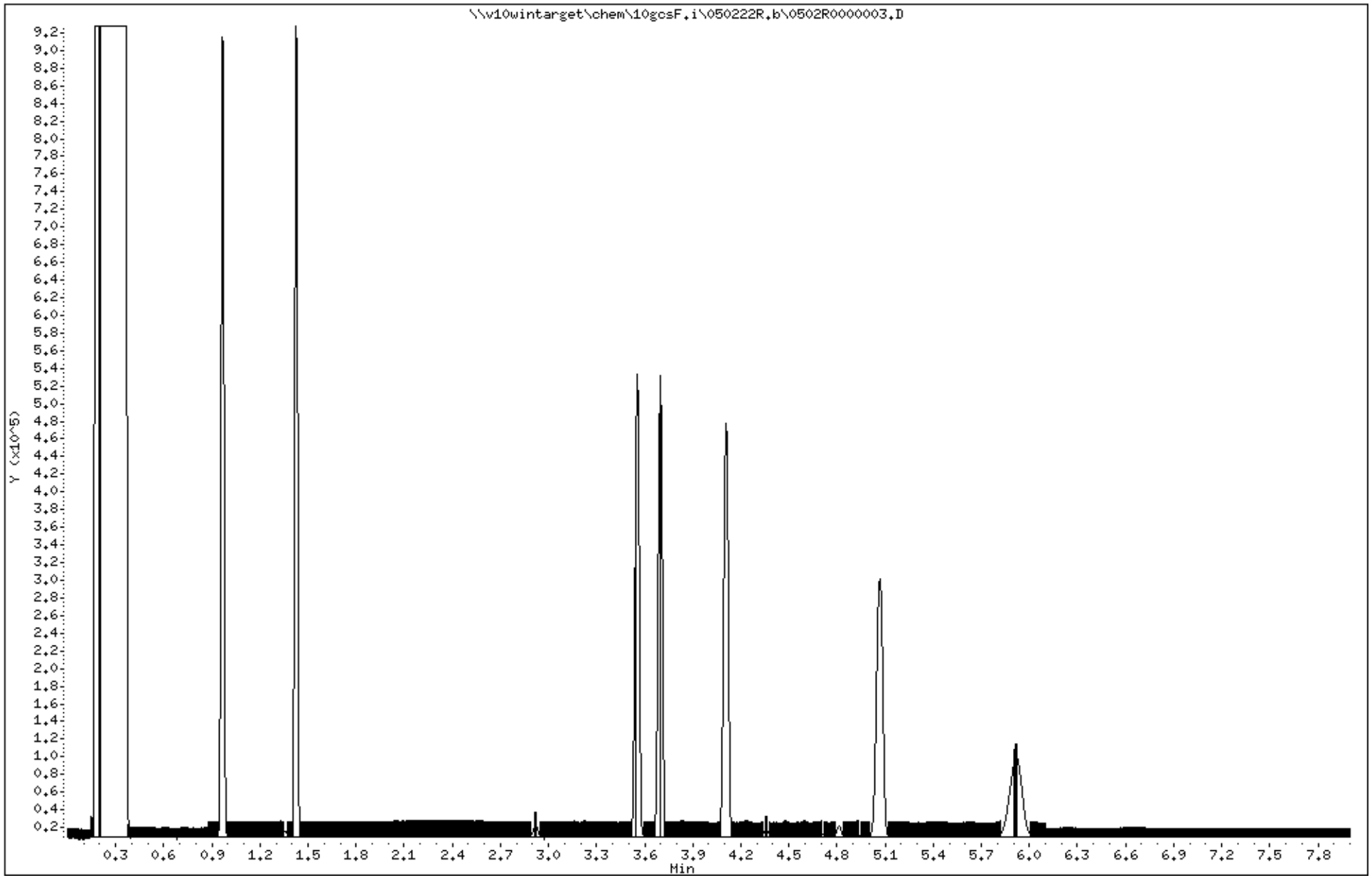
Data file : \\v10wintarget\chem\10gcsF.i\050222R.b\0502R0000003.D
Lab Smp Id: DMO-RTM,362402:2 Client Smp ID: DMO-RTM,362402:2
Inj Date : 02-MAY-2022 15:16
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-rtm,362402:2
Misc Info : 39205
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050222R.b\GCSFakNW8015-042722_3920
Meth Date : 03-May-2022 13:08 tthao Quant Type: ESTD
Cal Date : 27-APR-2022 14:42 Cal File: 0427R0000017.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10SVOA-TT

				CONCENTRATIONS ON-COL	FINAL	
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE
S 1 DRO by AK 102					CAS #:	
0.880	- 3.600		2384010	352.631	353	
$ 2 o-Terphenyl (S)					CAS #:	
Compound Not Detected.						
$ 3 n-Triacontane (S)					CAS #:	
Compound Not Detected.						
S 4 Residual Range Organics AK103					CAS #:	
3.601	- 5.180		2209992	601.400	601	
S 5 TPH-DRO (C10-C28)					CAS #:	
0.880	- 4.200		3826453	522.624	523	
S 6 Motor Oil Range (C24-C36)					CAS #:	
3.450	- 5.180		2917053	770.099	770	
S 7 C10-C36					CAS #:	
0.880	- 5.180		4594003	893.792	894	
S 8 Diesel Fuel Range					CAS #:	
1.350	- 3.650		1680432	283.843	284	
S 9 Diesel Fuel Range SG					CAS #:	
1.350	- 3.650		1680432	283.843	284	
S 10 Motor Oil Range					CAS #:	
3.651	- 6.100		2702163	586.343	586	

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/mL)	REVIEW CODE
S 11 Motor Oil Range SG					CAS #:	
3.651	- 6.100		2702163	586.343	586	

Data File: \\v10wintarget\chem\10gcsF.i\050222R.b\0502R0000003.D
Date : 02-MAY-2022 15:16
Client ID: DMO-RTM,362402:2
Sample Info: DMO-RTM,362402:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21430033
Column diameter: 0.32



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10606395

Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000003.D
Injection Date: 02-MAY-2022 15:16
Instrument: 10gcsF.i
Lab Sample ID: DMO-RTM,362402:2
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	2235824	2209992
DRO by AK 102	1686390	2384010
TPH-DRO (C10-C28)	3822911	3826453
Motor Oil Range (C24-C36)	2250841	2917053
Diesel Fuel Range	1675765	1680432
Motor Oil Range	2253486	2702163
Diesel Fuel Range SG	1675765	1680432
Motor Oil Range SG	2253486	2702163
C10-C36	3922214	4594003
n-Triacontane (S)	0	0
o-Terphenyl (S)	0	0

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000003.D
Lab Smp Id: DMO-RTM,362402:2 Client Smp ID: DMO-RTM,362402:2
Inj Date : 09-MAY-2022 10:14
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-rtm,362402:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10SVOA-TT

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL	
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE
S 1 DRO by AK 102					CAS #:	
Compound Not Detected.						
$ 2 o-Terphenyl (S)					CAS #:	
2.559	2.565	-0.006	7	0.00423	0.00423	(R)
$ 3 n-Triacontane (S)					CAS #:	
4.021	4.017	0.004	26	0.02406	0.0241	(R)
S 4 Residual Range Organics AK103					CAS #:	
Compound Not Detected.						
S 5 TPH-DRO (C10-C28)					CAS #:	
Compound Not Detected.						
S 6 Motor Oil Range (C24-C36)					CAS #:	
Compound Not Detected.						
S 7 C10-C36					CAS #:	
Compound Not Detected.						

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/mL)	REVIEW CODE

S 8 Diesel Fuel Range CAS #:

Compound Not Detected.

S 9 Diesel Fuel Range SG CAS #:

Compound Not Detected.

S 10 Motor Oil Range CAS #:

Compound Not Detected.

S 11 Motor Oil Range SG CAS #:

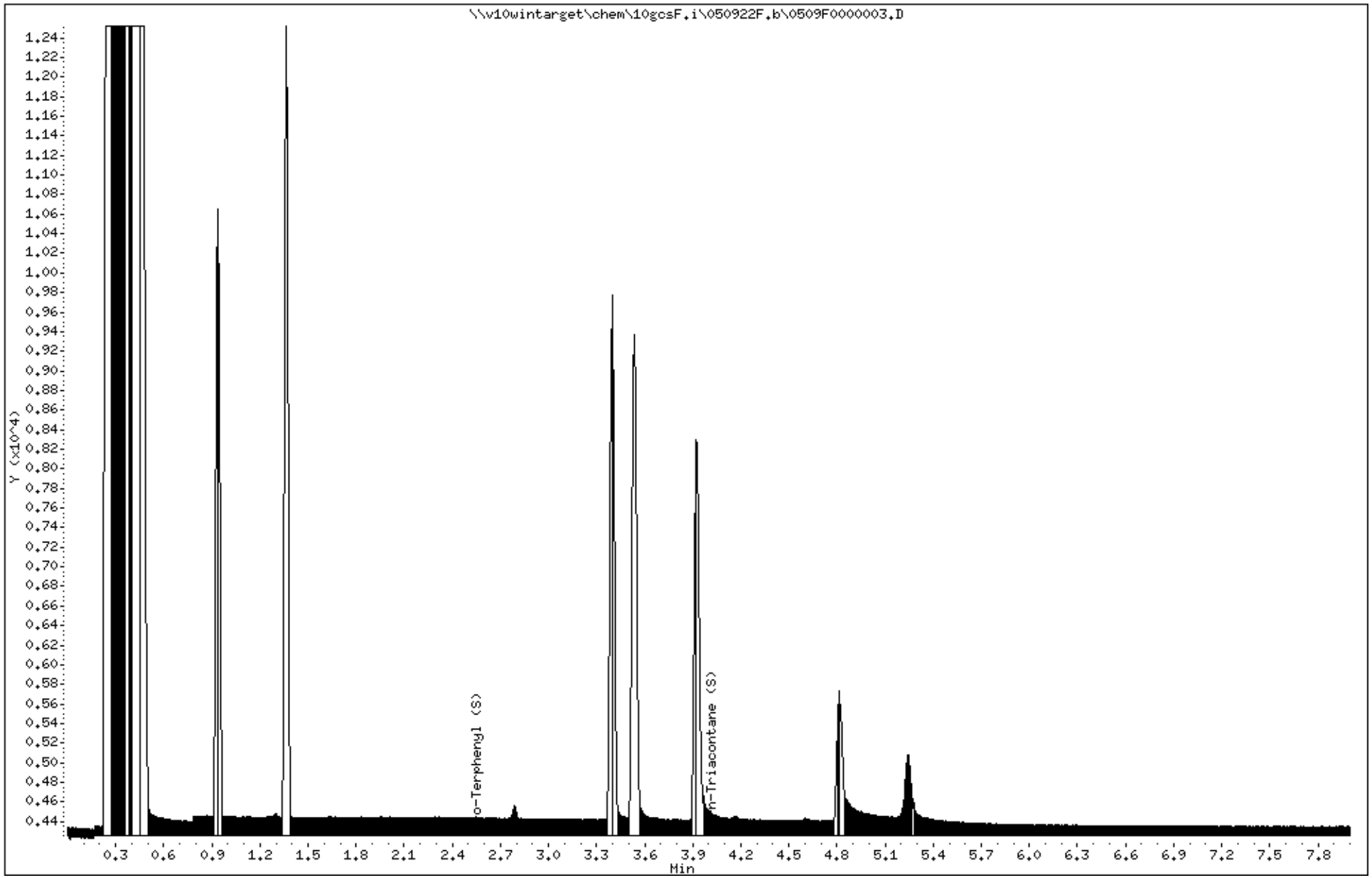
Compound Not Detected.

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000003.D
Date : 09-MAY-2022 10:14
Client ID: DMO-RTM,362402:2
Sample Info: DMO-RTM,362402:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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216 of 777
10606395

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000003.D
Injection Date: 09-MAY-2022 10:14
Instrument: 10gcsF.i
Lab Sample ID: DMO-RTM,362402:2
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	0	0
DRO by AK 102	0	0
TPH-DRO (C10-C28)	0	0
Motor Oil Range (C24-C36)	0	0
Diesel Fuel Range	0	0
Motor Oil Range	0	0
Diesel Fuel Range SG	0	0
Motor Oil Range SG	0	0
C10-C36	0	0
n-Triacontane (S)	26	26
o-Terphenyl (S)	7	7

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000025.D
Lab Smp Id: DMO-CAL2,364980:2 Client Smp ID: DMO-CAL2,364980:2
Inj Date : 09-MAY-2022 15:31
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal2,364980:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		300261	10.0000	1.28	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.562	2.565	-0.003	6519	1.00000	1.07	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.014	4.017	-0.003	4905	1.00000	1.01	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		103492	10.0000	3.06	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		338750	10.0000	2.06	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		115167	10.0000	2.96	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		403754	20.0000	3.92	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		266265	10.0000	0.592	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		266265	10.0000	0.592	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		131884	10.0000	4.44	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		131884	10.0000	4.91	(MH)	RNG

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Review Codes Legend

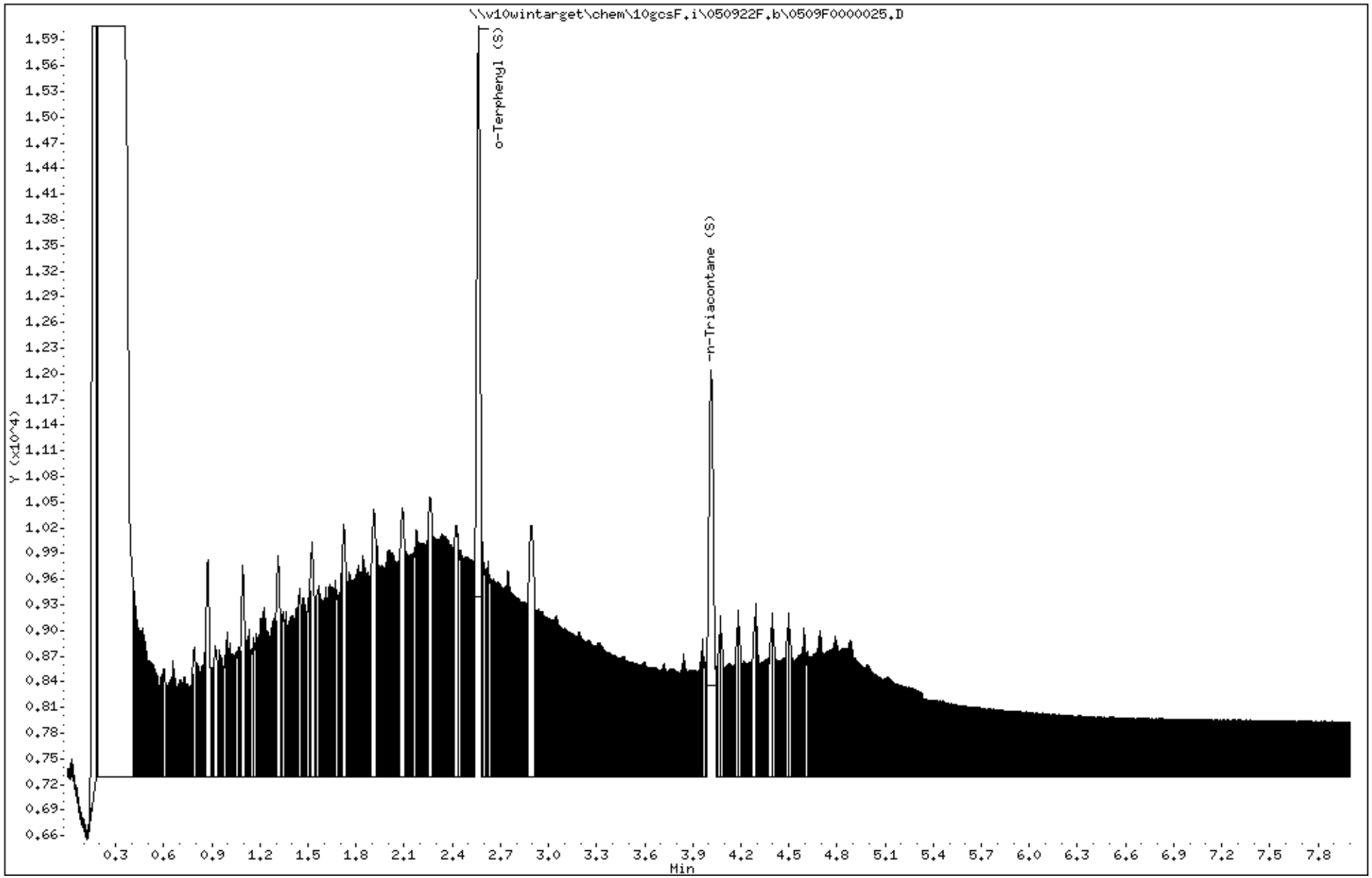
RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000025.D
Date : 09-MAY-2022 15:31
Client ID: DMO-CAL2,364980:2
Sample Info: DMO-CAL2,364980:2

Column phase: DB-5-US21390001

Instrument: 10gcsF.i

Operator: TT2
Column diameter: 0.32



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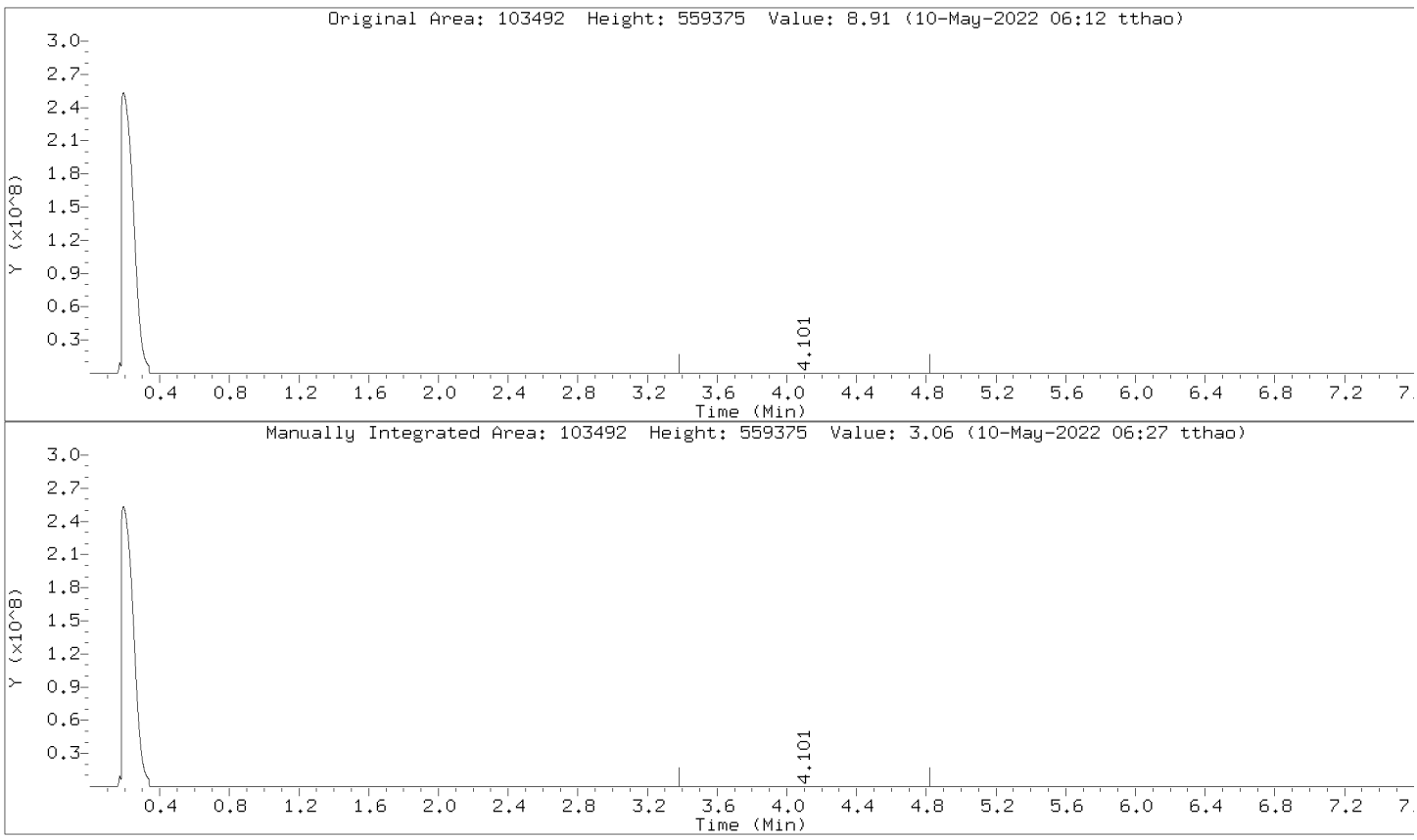
10606395

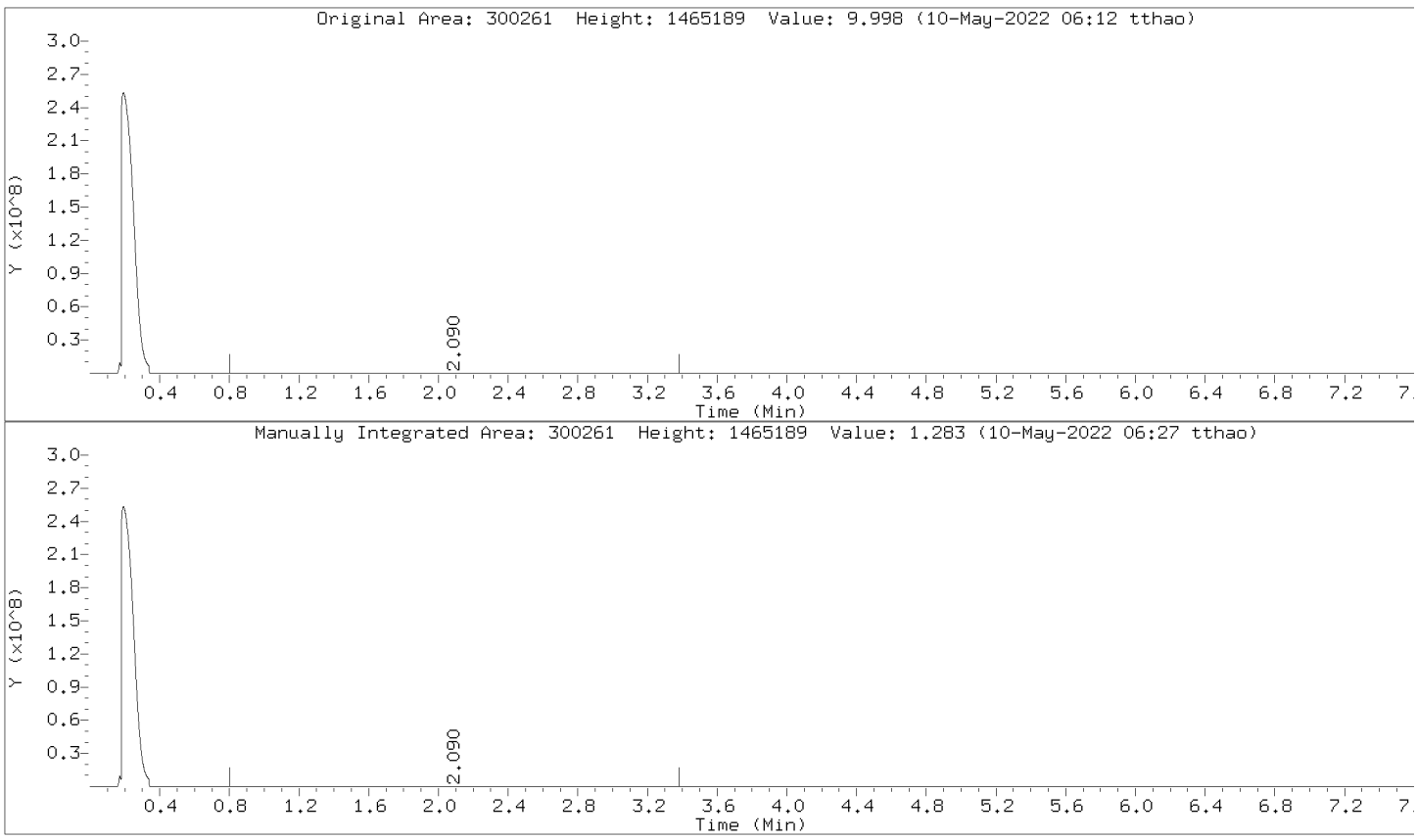
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



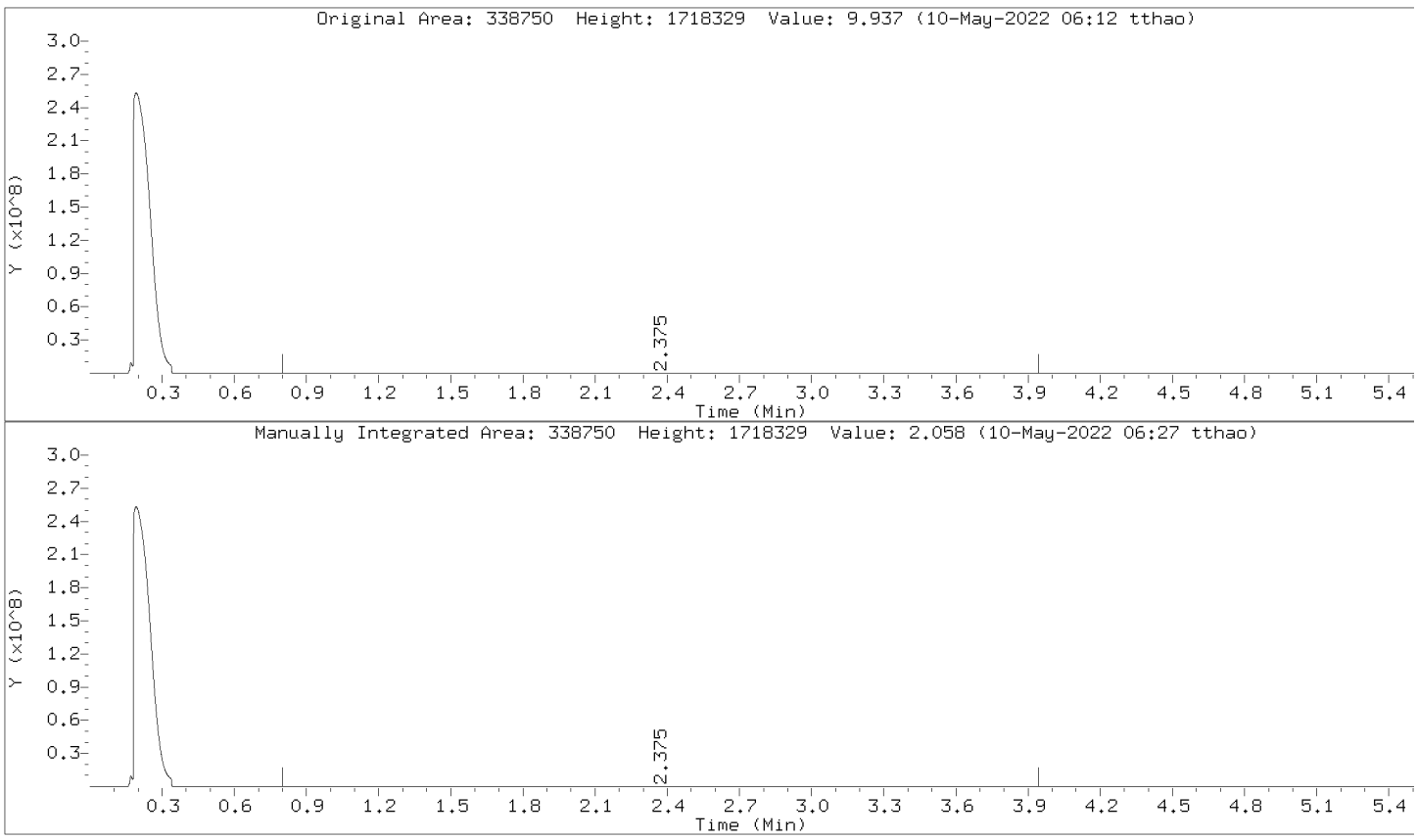
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



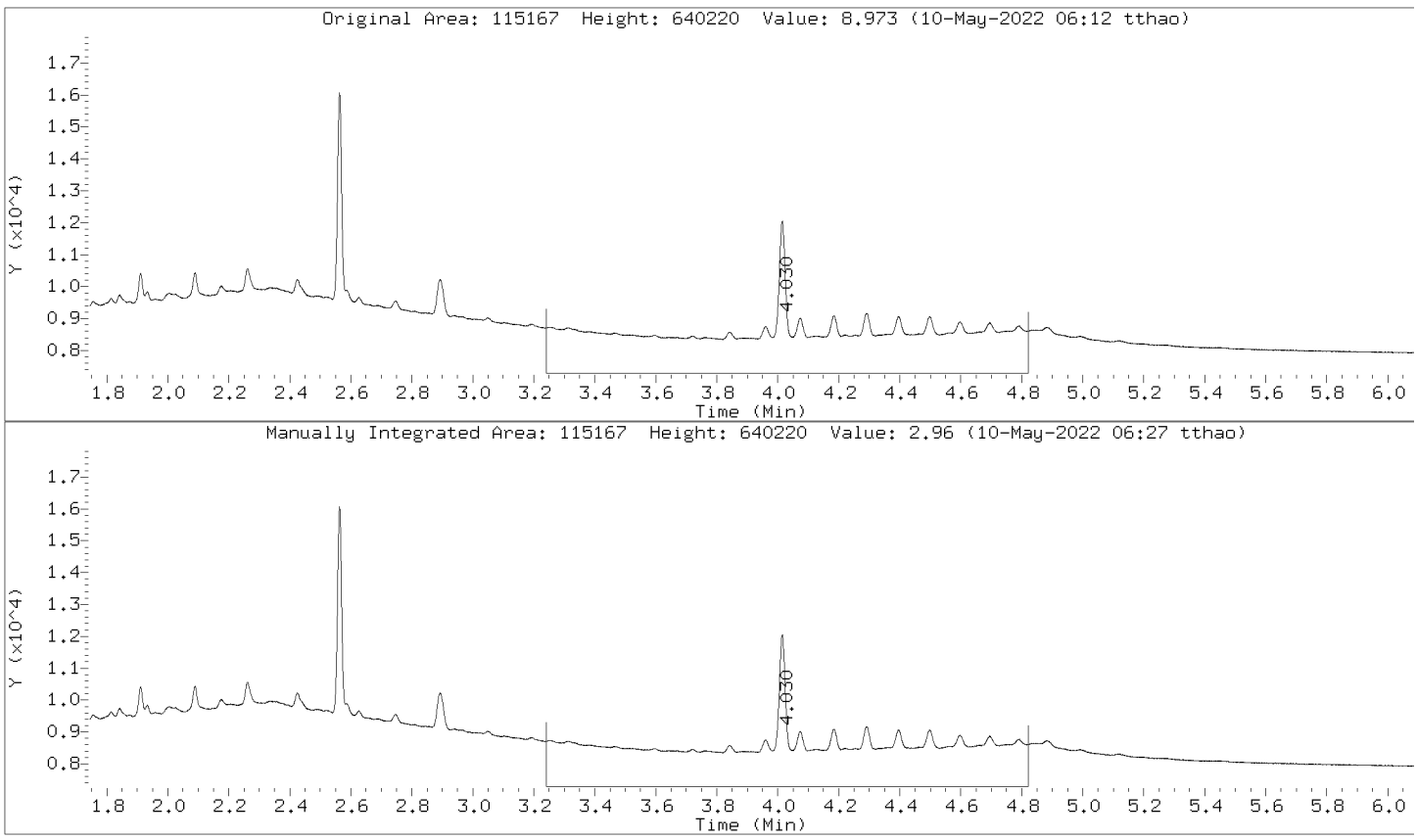
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



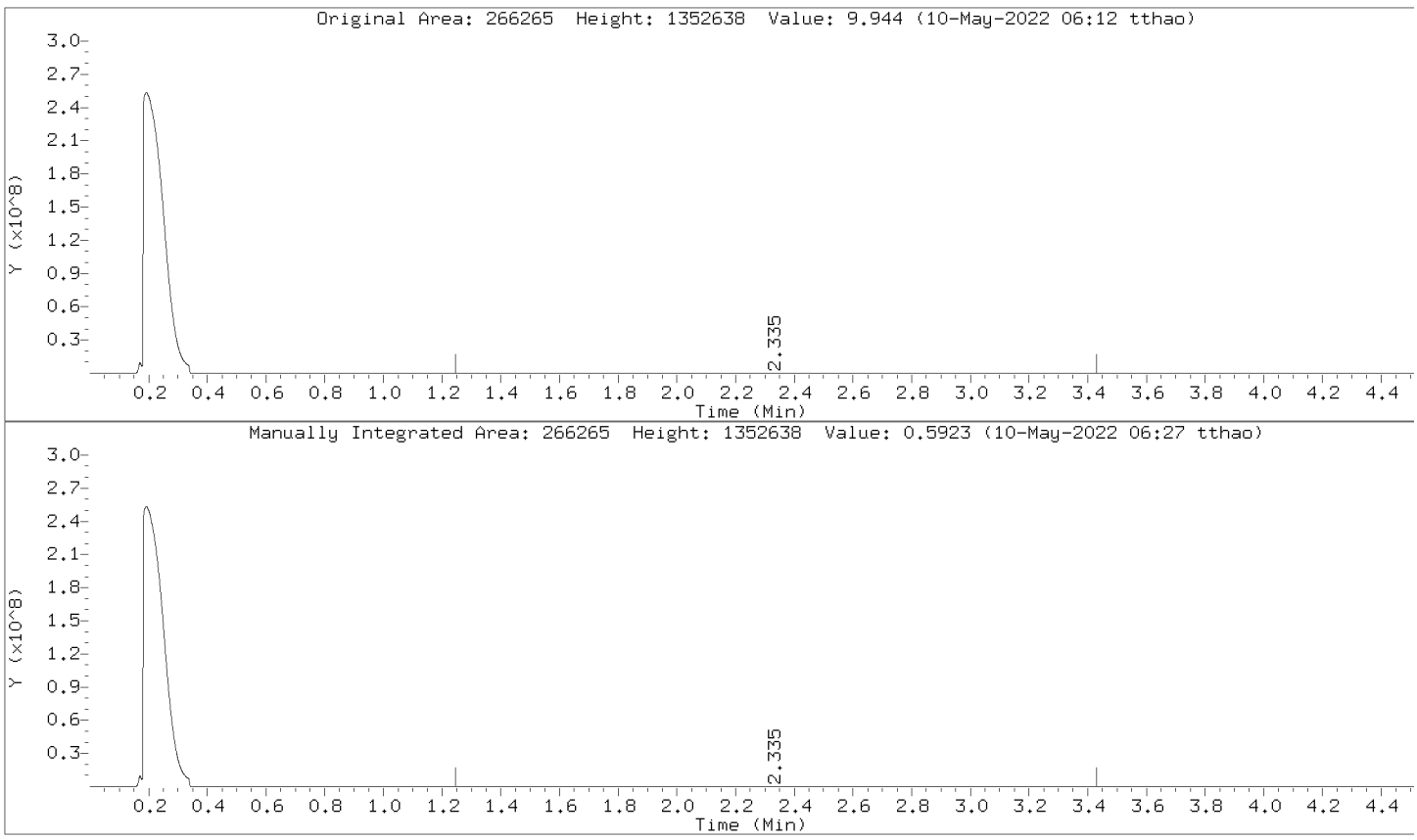
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



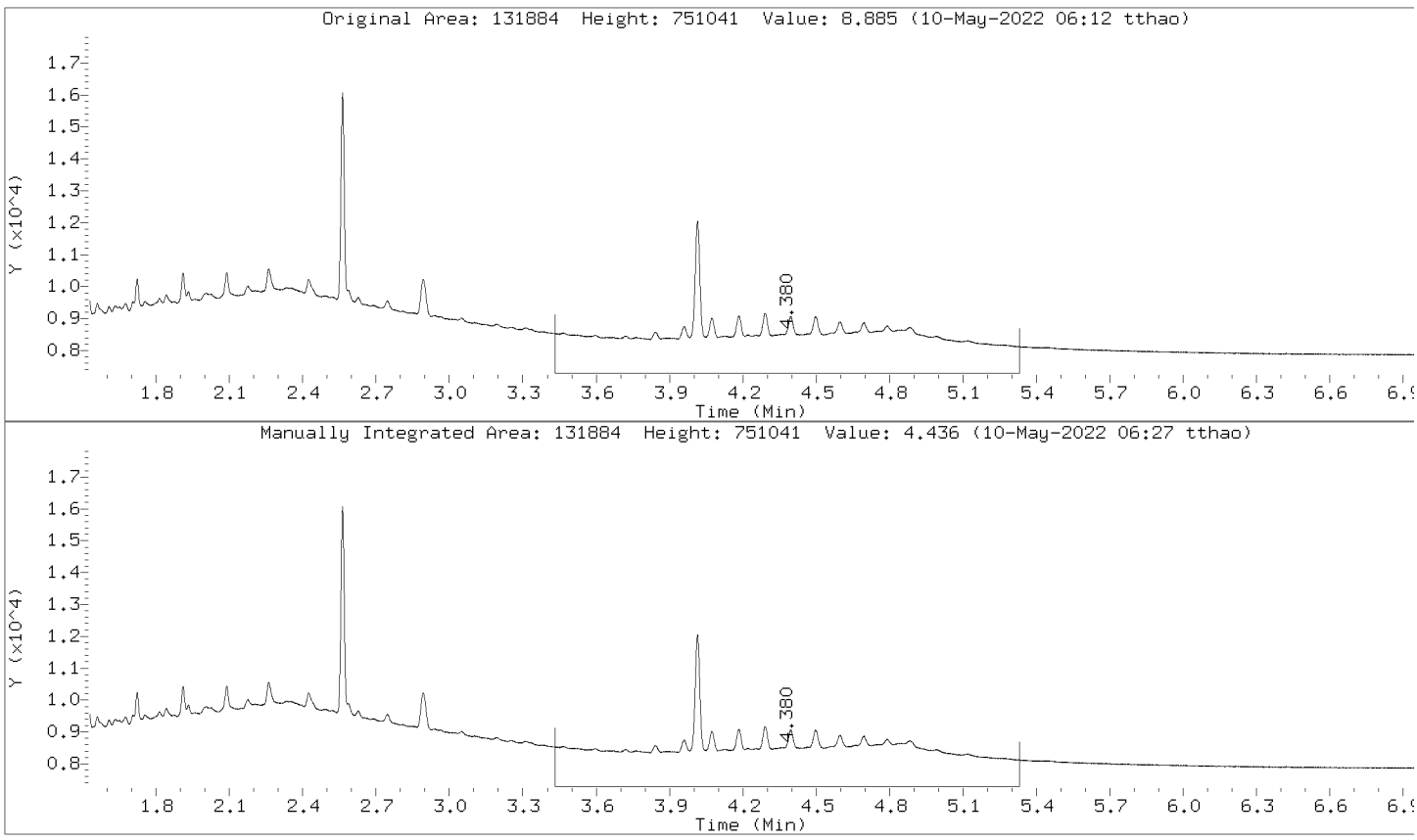
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



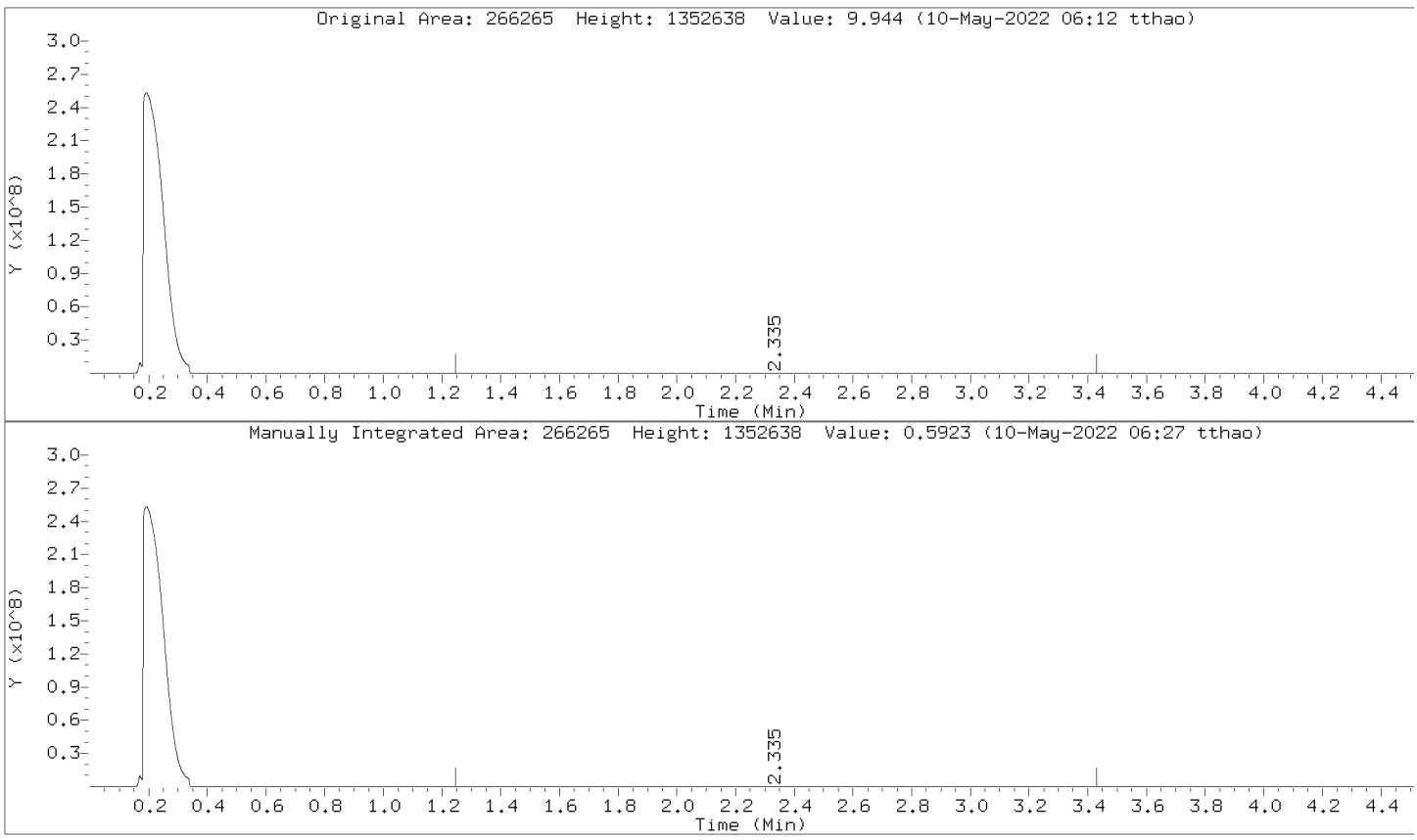
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



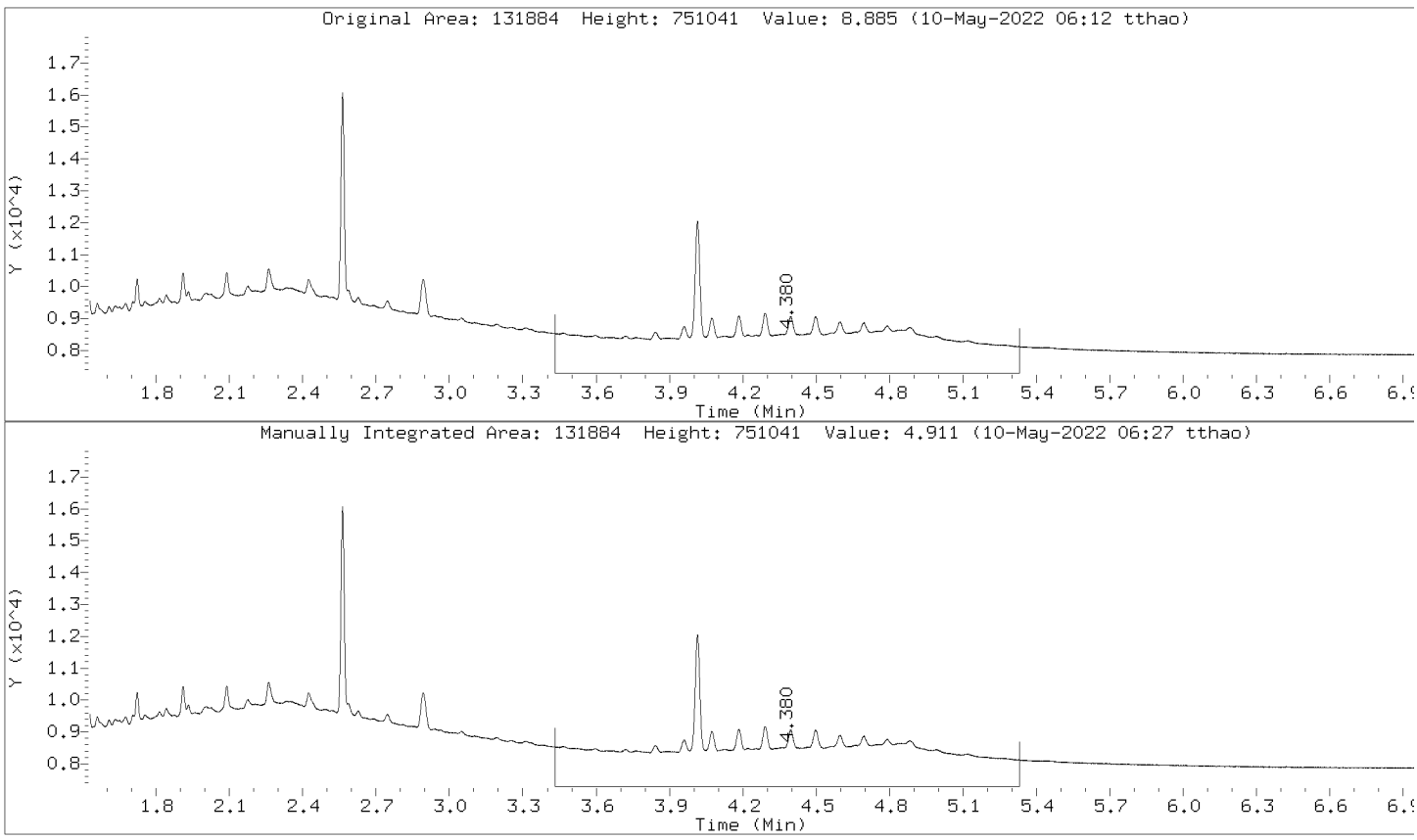
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



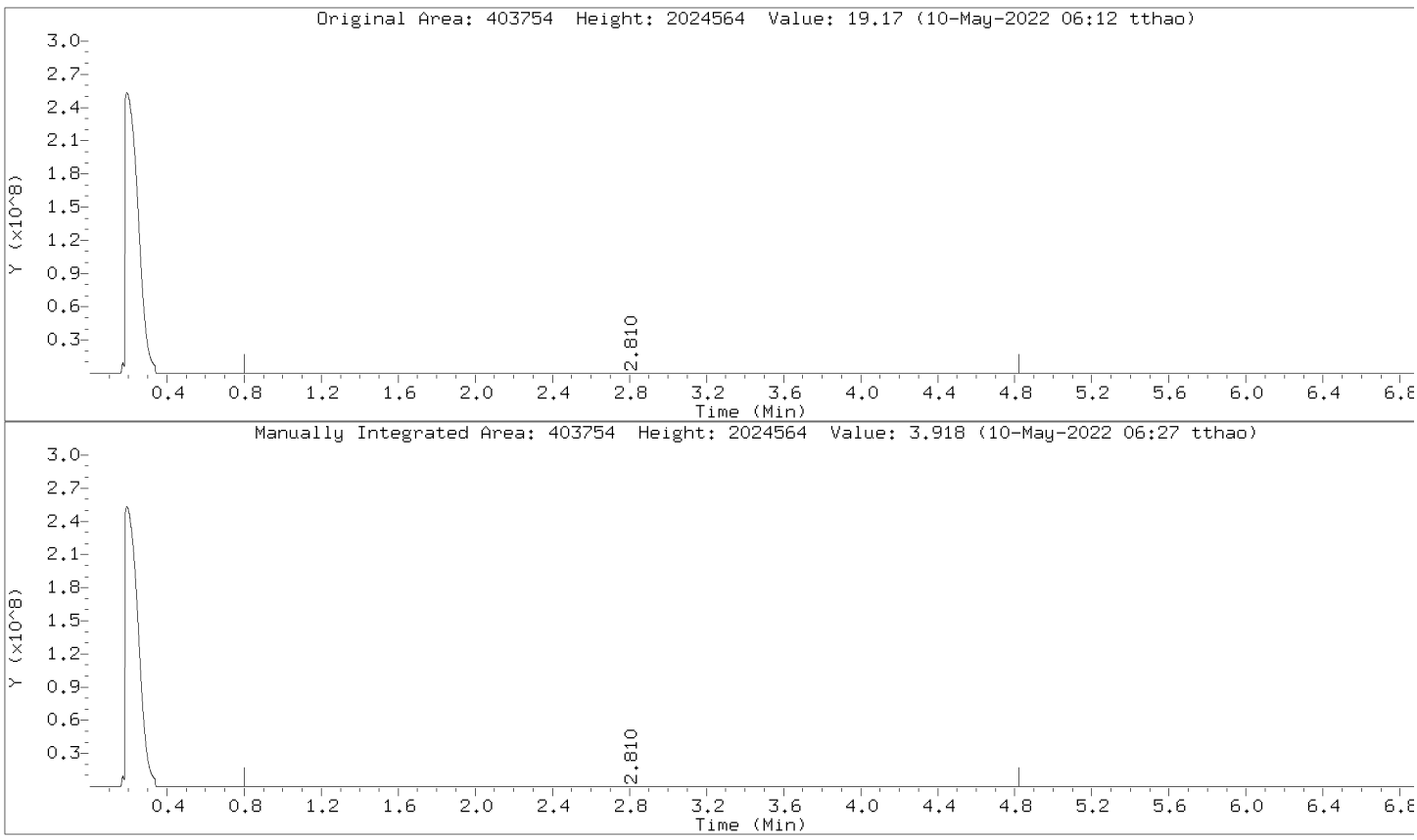
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



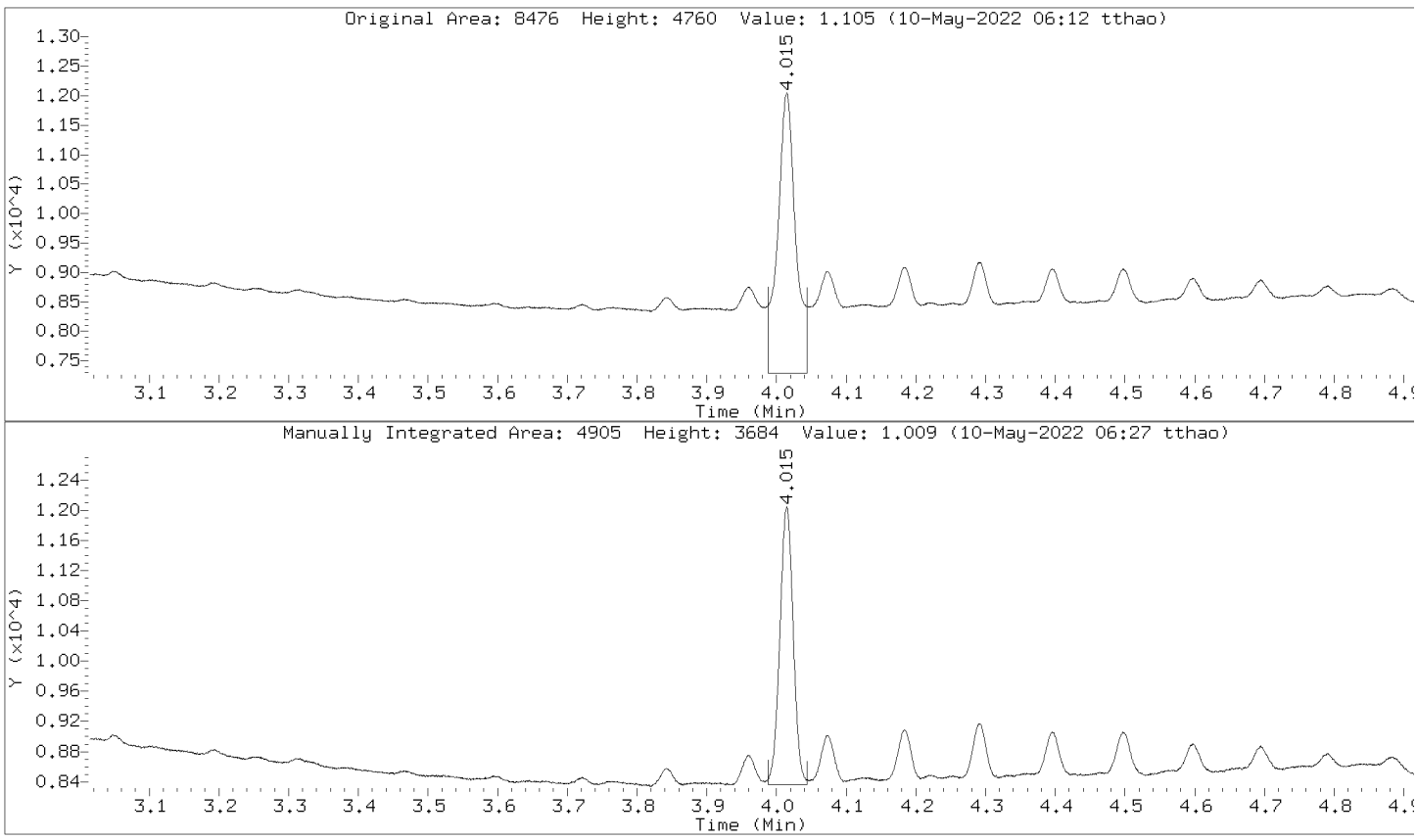
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: C10-C36 Review Code: RNG
CAS Number:



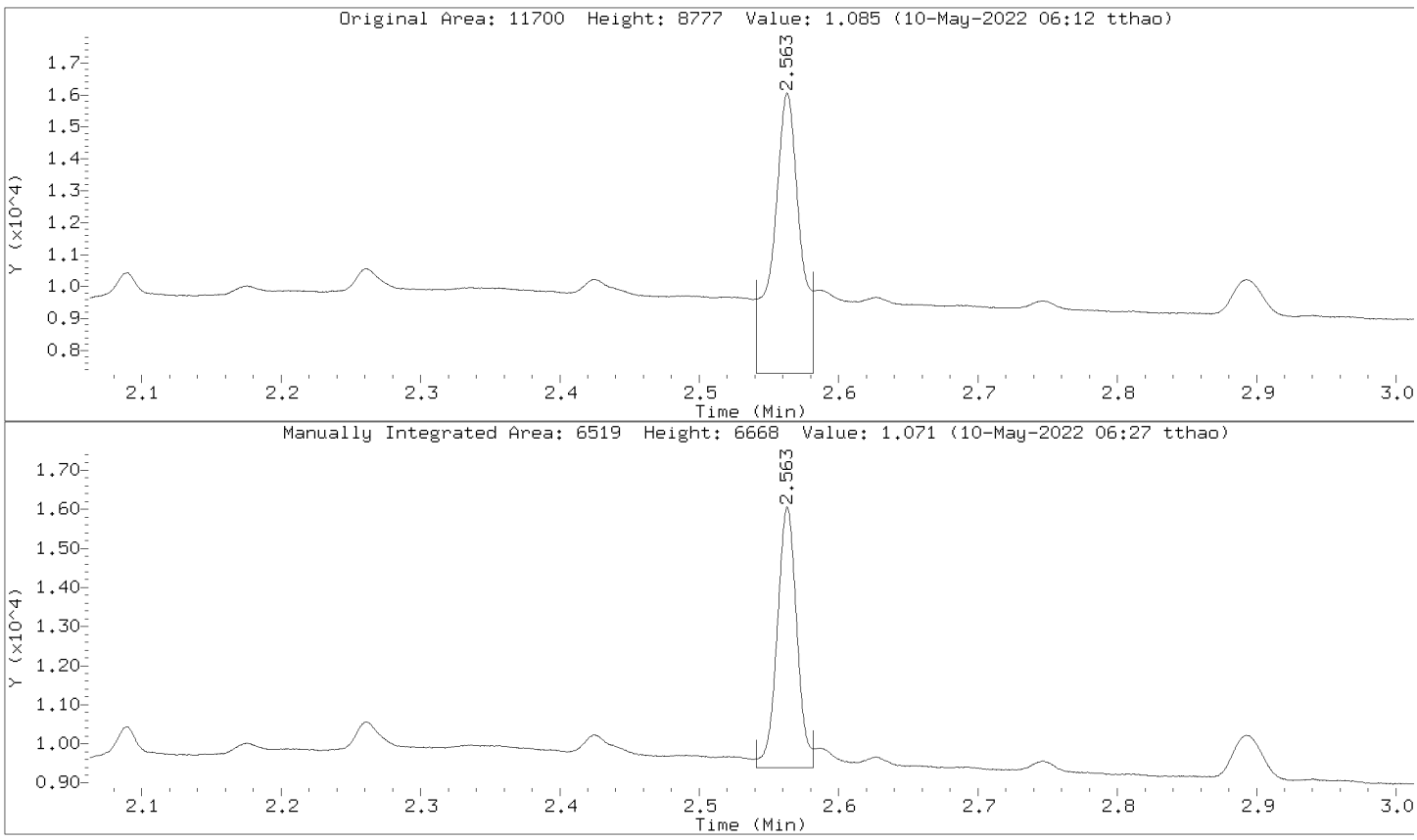
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	103492	103492
DRO by AK 102	300261	300261
TPH-DRO (C10-C28)	338750	338750
Motor Oil Range (C24-C36)	115167	115167
Diesel Fuel Range	266265	266265
Motor Oil Range	131884	131884
Diesel Fuel Range SG	266265	266265
Motor Oil Range SG	131884	131884
C10-C36	403754	403754
n-Triacontane (S)	8476	4905
o-Terphenyl (S)	11700	6519

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000026.D
Lab Smp Id: DMO-CAL3,364981:2 Client Smp ID: DMO-CAL3,364981:2
Inj Date : 09-MAY-2022 15:43
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal3,364981:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		389510	25.0000	18.5	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.563	2.565	-0.002	15641	2.50000	2.57	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.015	4.017	-0.002	12598	2.50000	2.59	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		165785	25.0000	22.5	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		442147	25.0000	19.4	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		181686	25.0000	22.9	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		555295	50.0000	40.0	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		342102	25.0000	18.1	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		342102	25.0000	18.1	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		204704	25.0000	23.2	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		204704	25.0000	23.6	(M)	RNG

QC Flag Legend

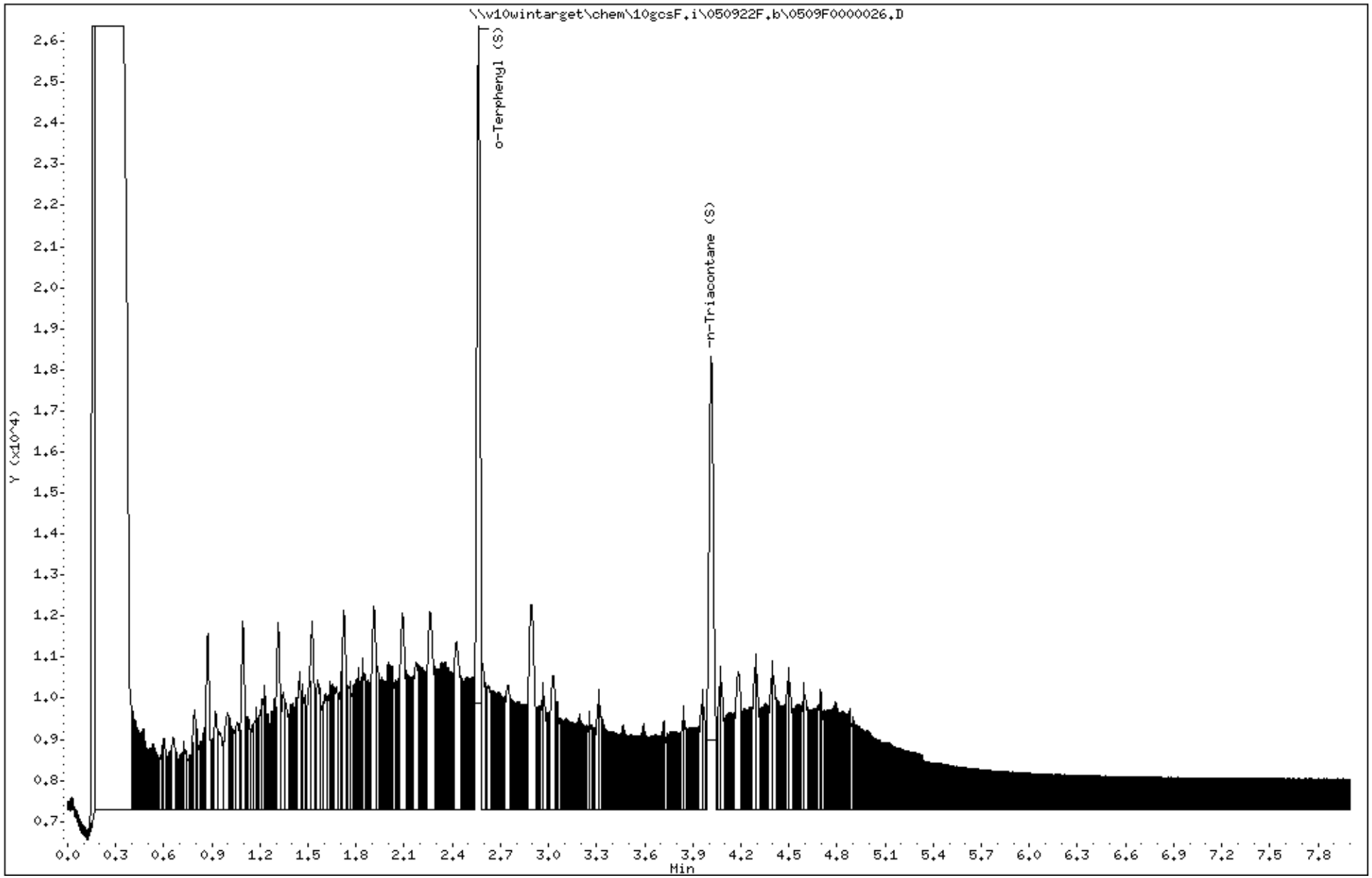
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000026.D
Date : 09-MAY-2022 15:43
Client ID: DMO-CAL3,364981:2
Sample Info: DMO-CAL3,364981:2

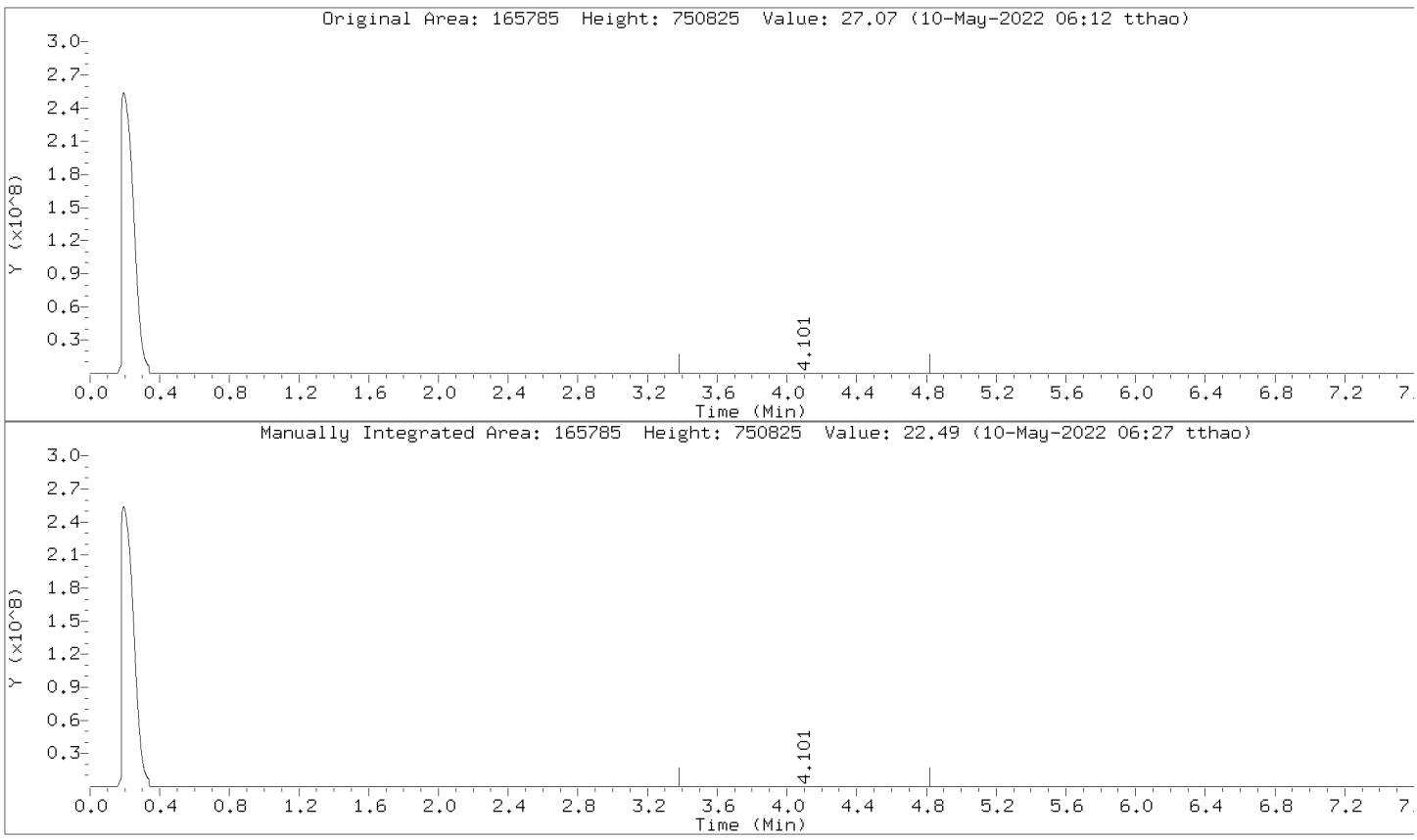
Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



306 of 1320
234 of 777
10606395

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



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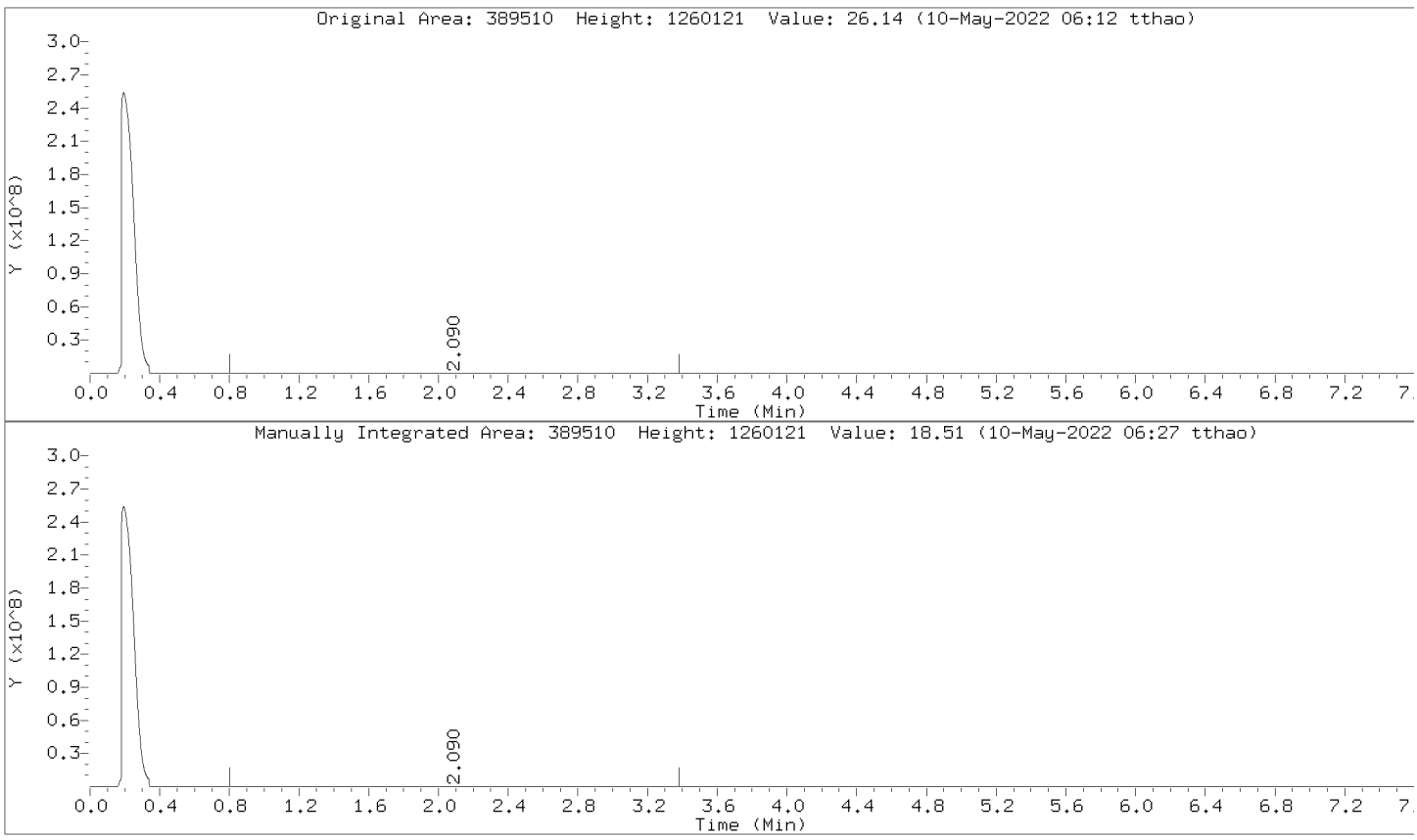
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



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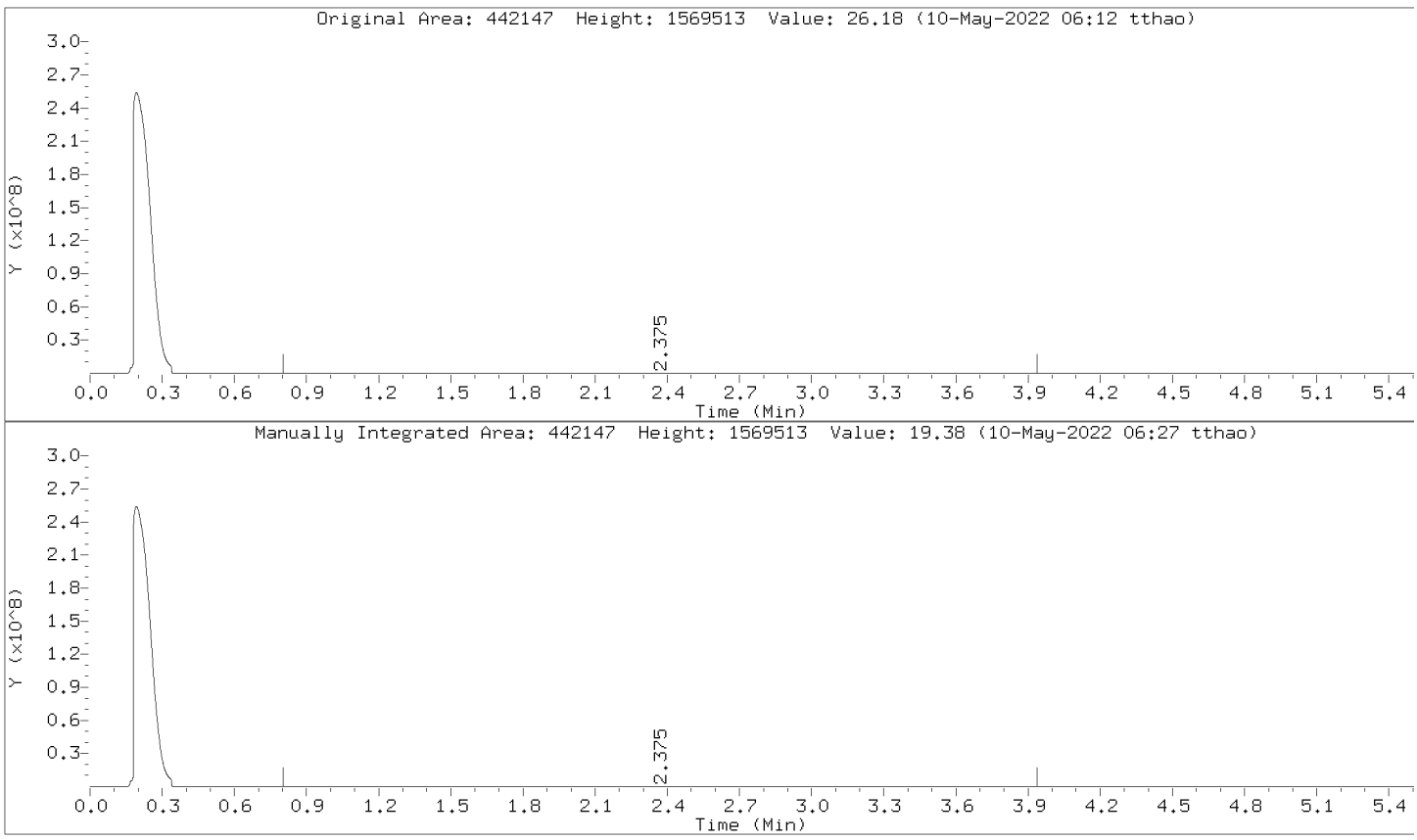
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



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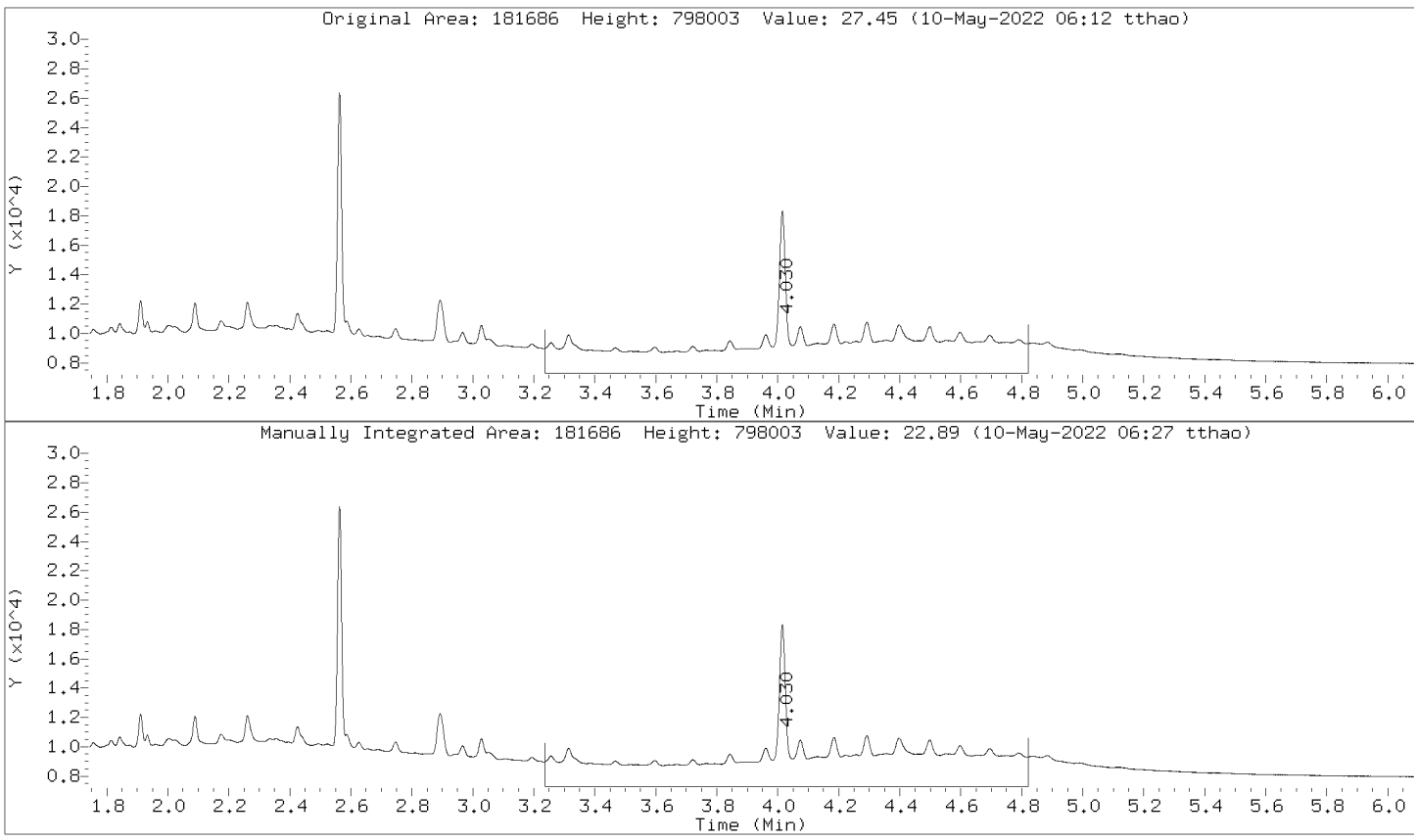
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



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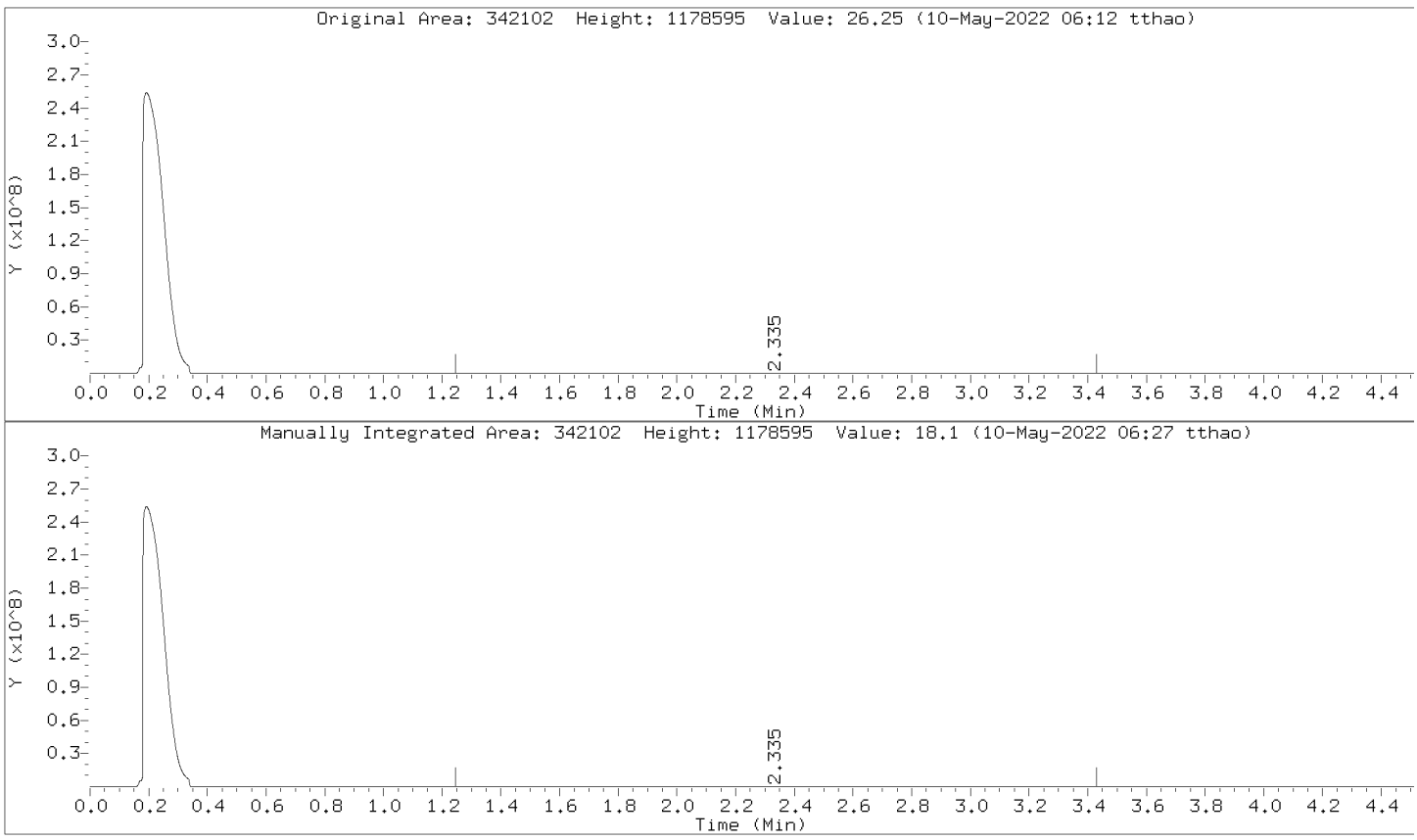
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



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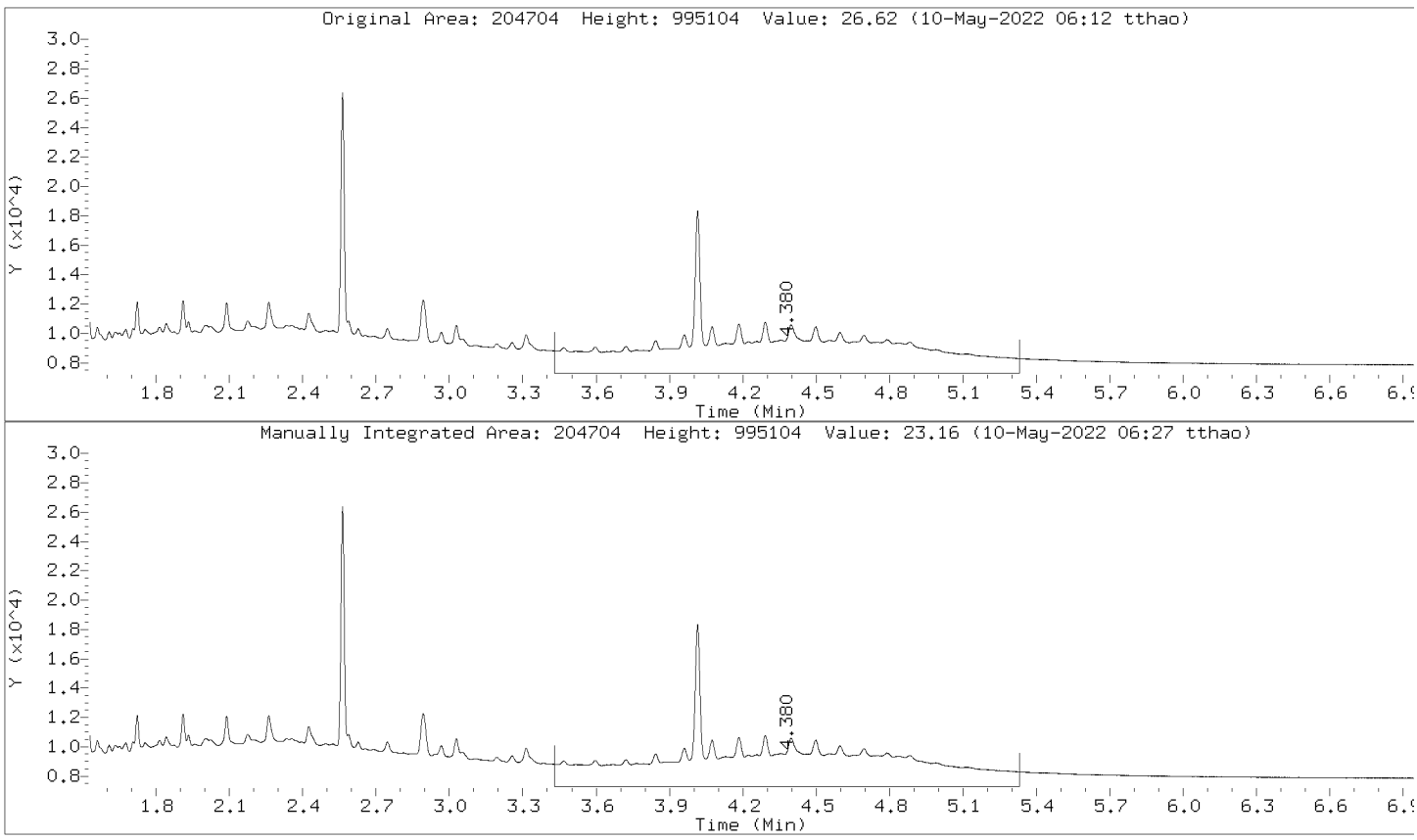
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



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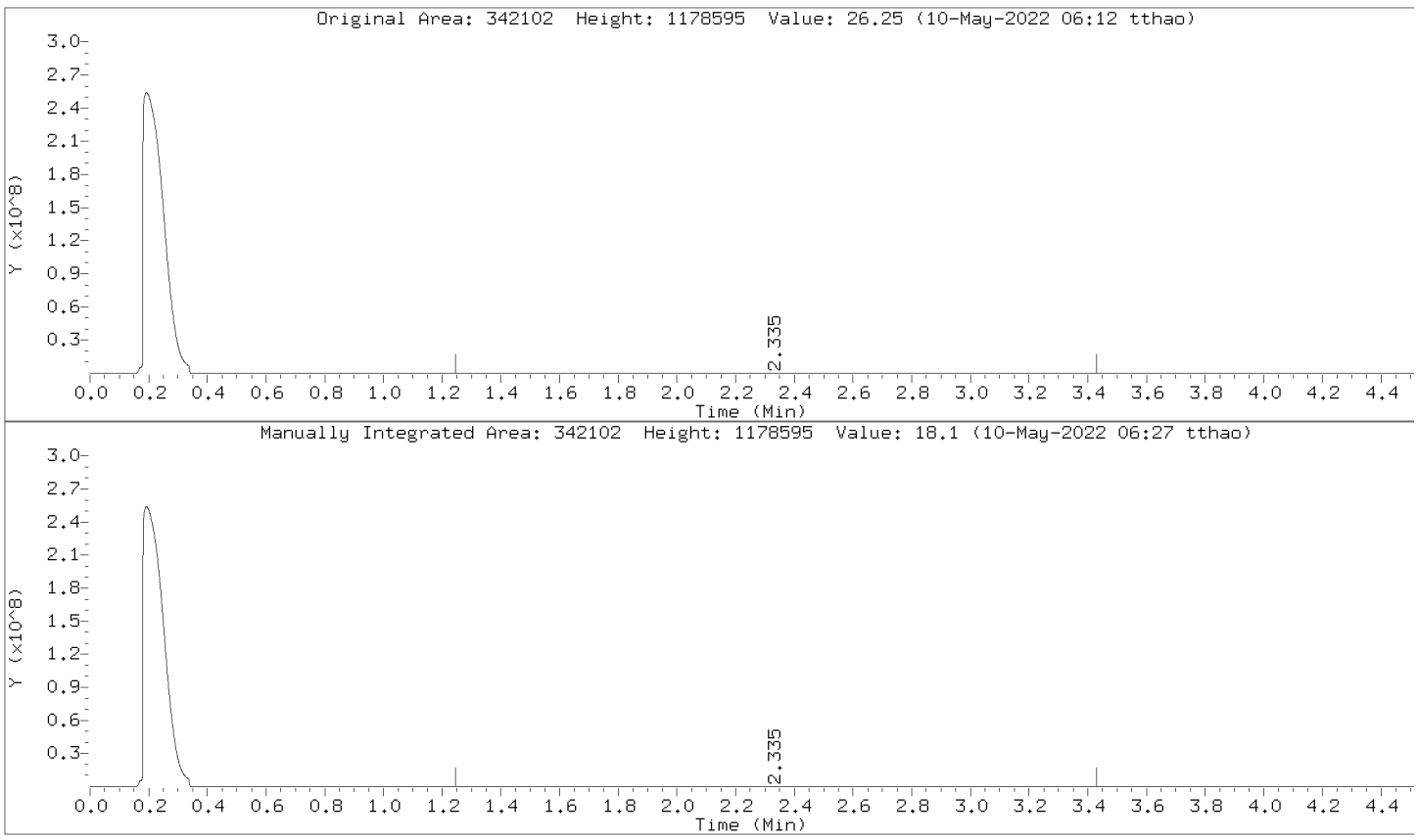
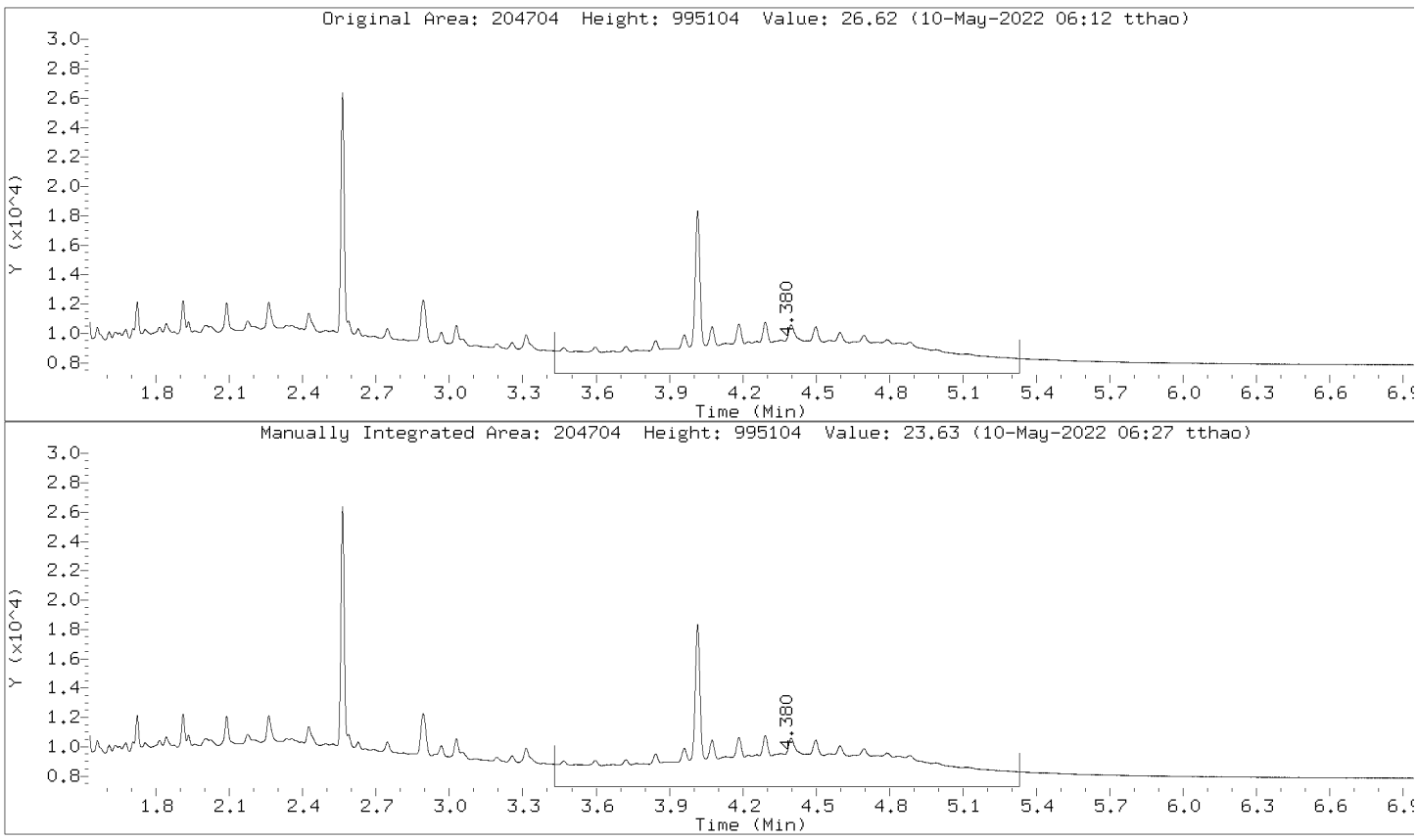
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



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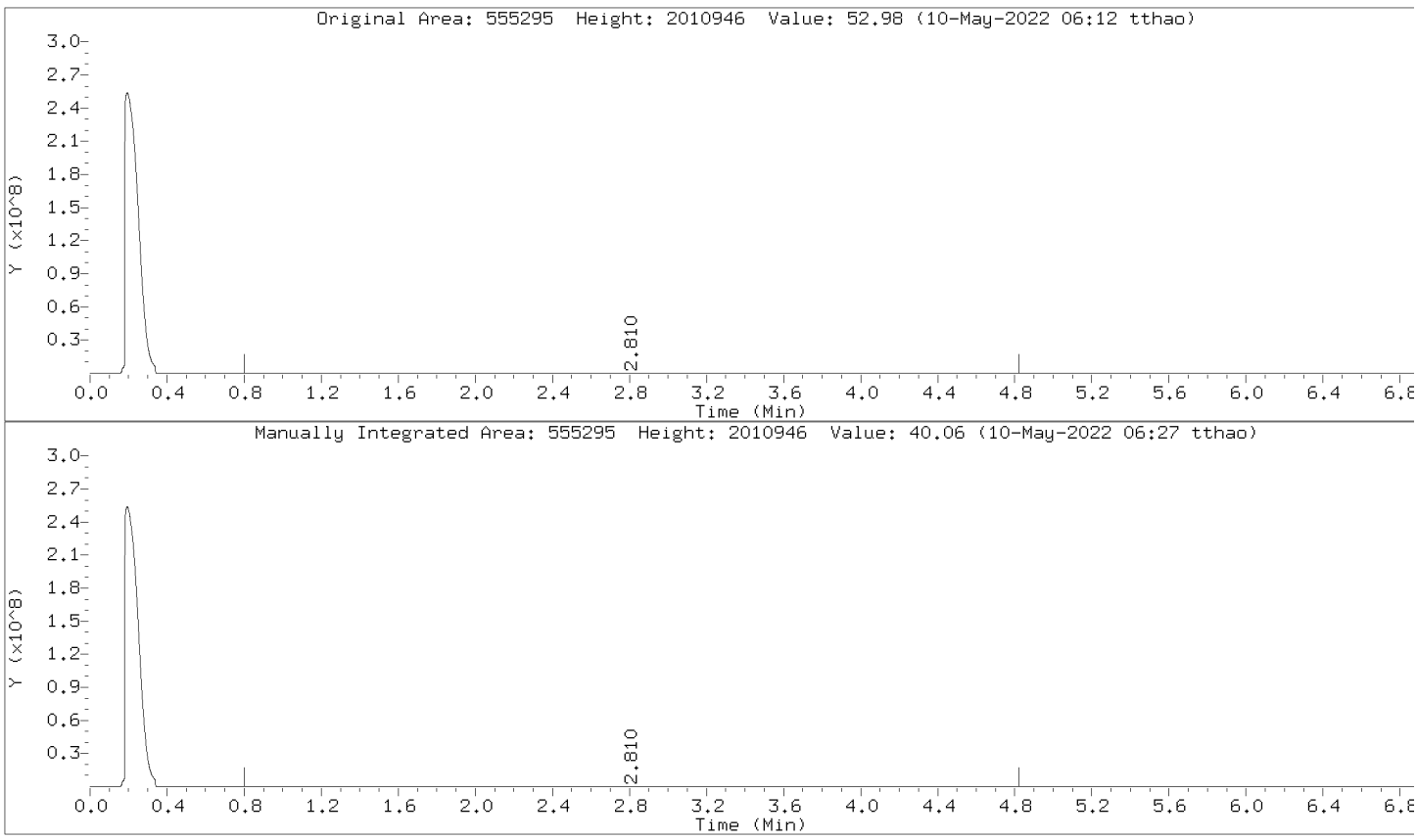
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: C10-C36 Review Code: RNG
CAS Number:



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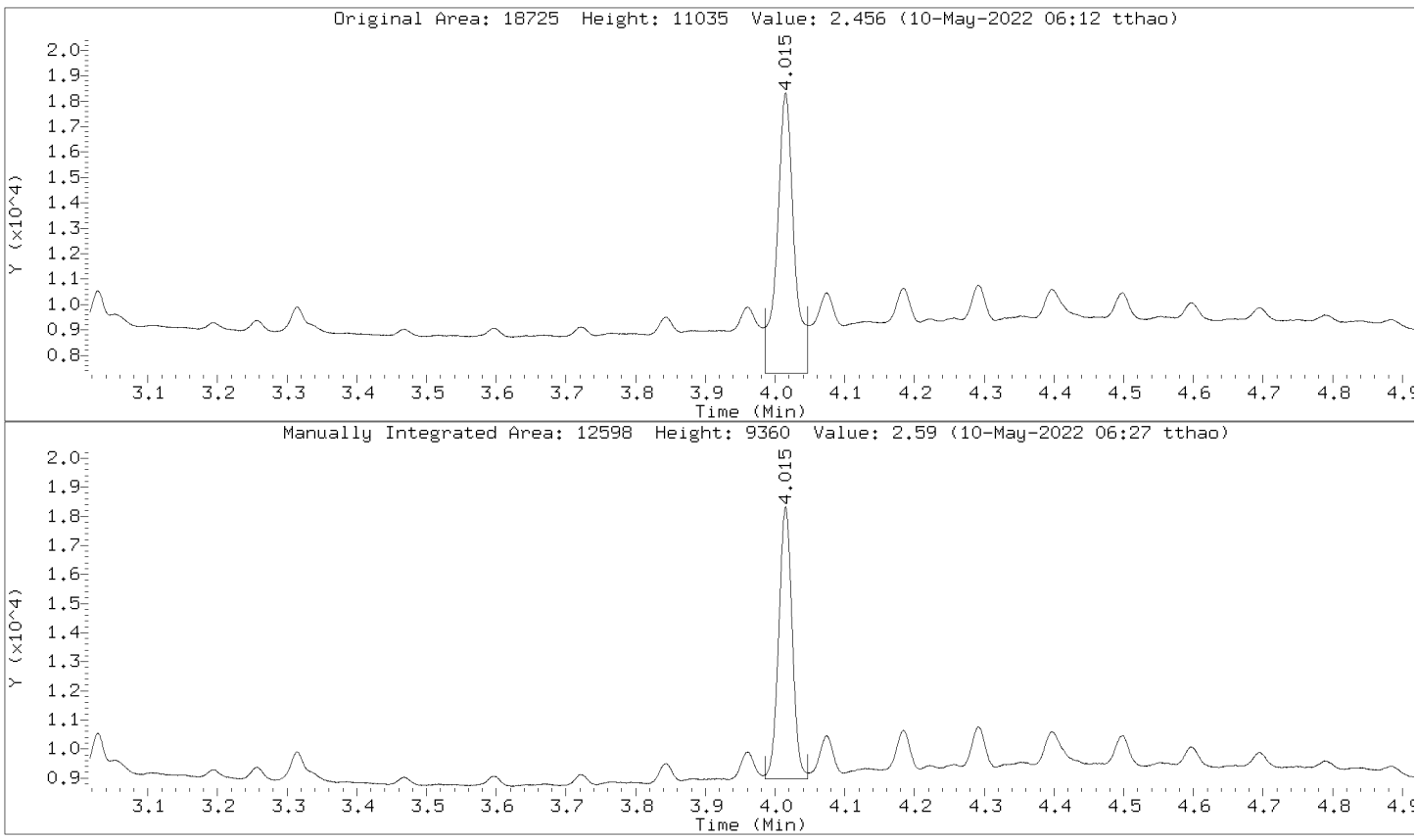
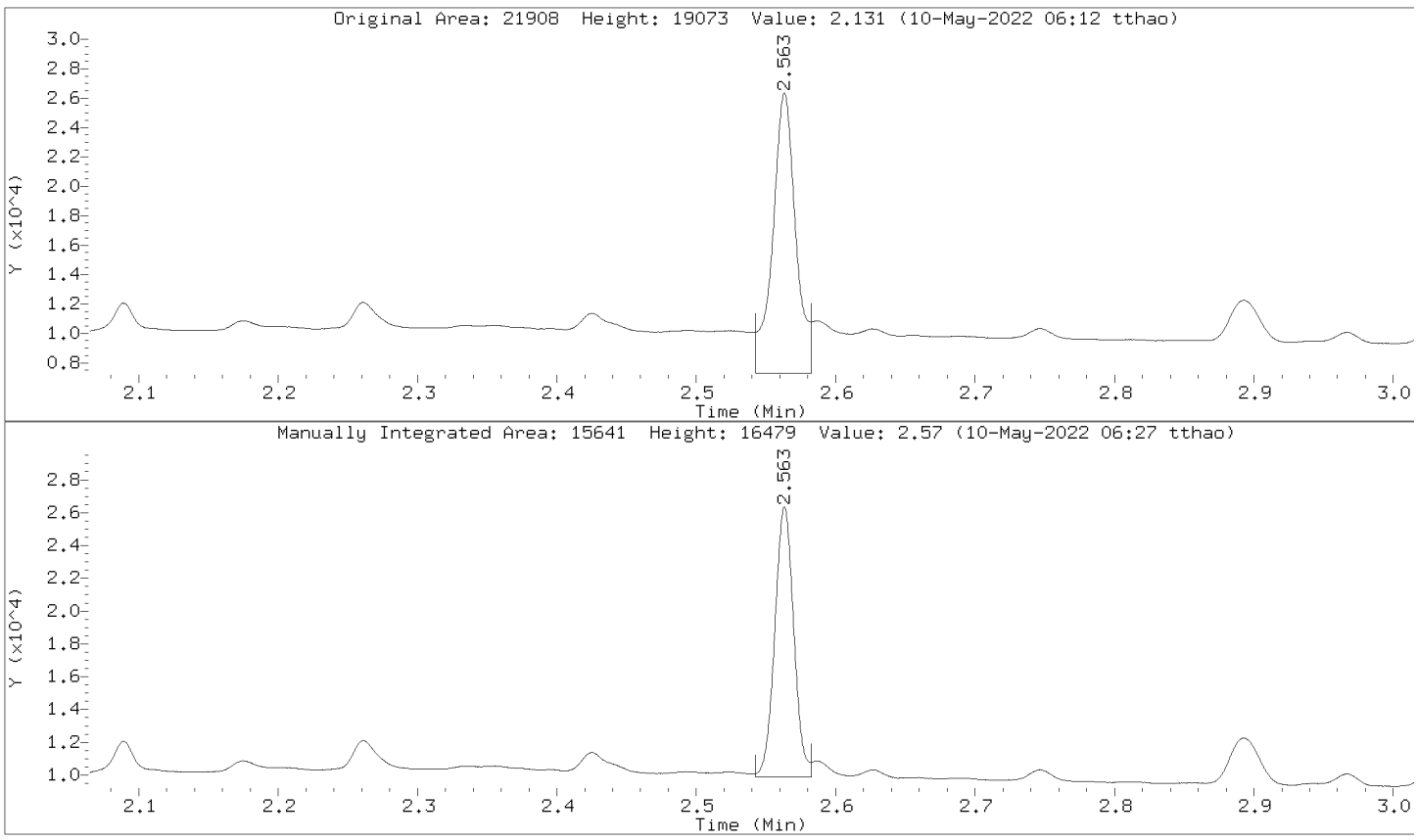
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	165785	165785
DRO by AK 102	389510	389510
TPH-DRO (C10-C28)	442147	442147
Motor Oil Range (C24-C36)	181686	181686
Diesel Fuel Range	342102	342102
Motor Oil Range	204704	204704
Diesel Fuel Range SG	342102	342102
Motor Oil Range SG	204704	204704
C10-C36	555295	555295
n-Triacontane (S)	18725	12598
o-Terphenyl (S)	21908	15641

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000027.D
Lab Smp Id: DMO-CAL4,364982:2 Client Smp ID: DMO-CAL4,364982:2
Inj Date : 09-MAY-2022 15:54
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal4,364982:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		517634	50.0000	43.2	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.563	2.565	-0.002	30411	5.00000	5.00	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.014	4.017	-0.003	24771	5.00000	5.09	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		234087	50.0000	43.8	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		589190	50.0000	44.0	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		251409	50.0000	43.8	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		751878	100.000	86.9	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		448600	50.0000	42.7	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		448600	50.0000	42.7	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		289607	50.0000	45.0	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		289607	50.0000	45.5	(M)	RNG

QC Flag Legend

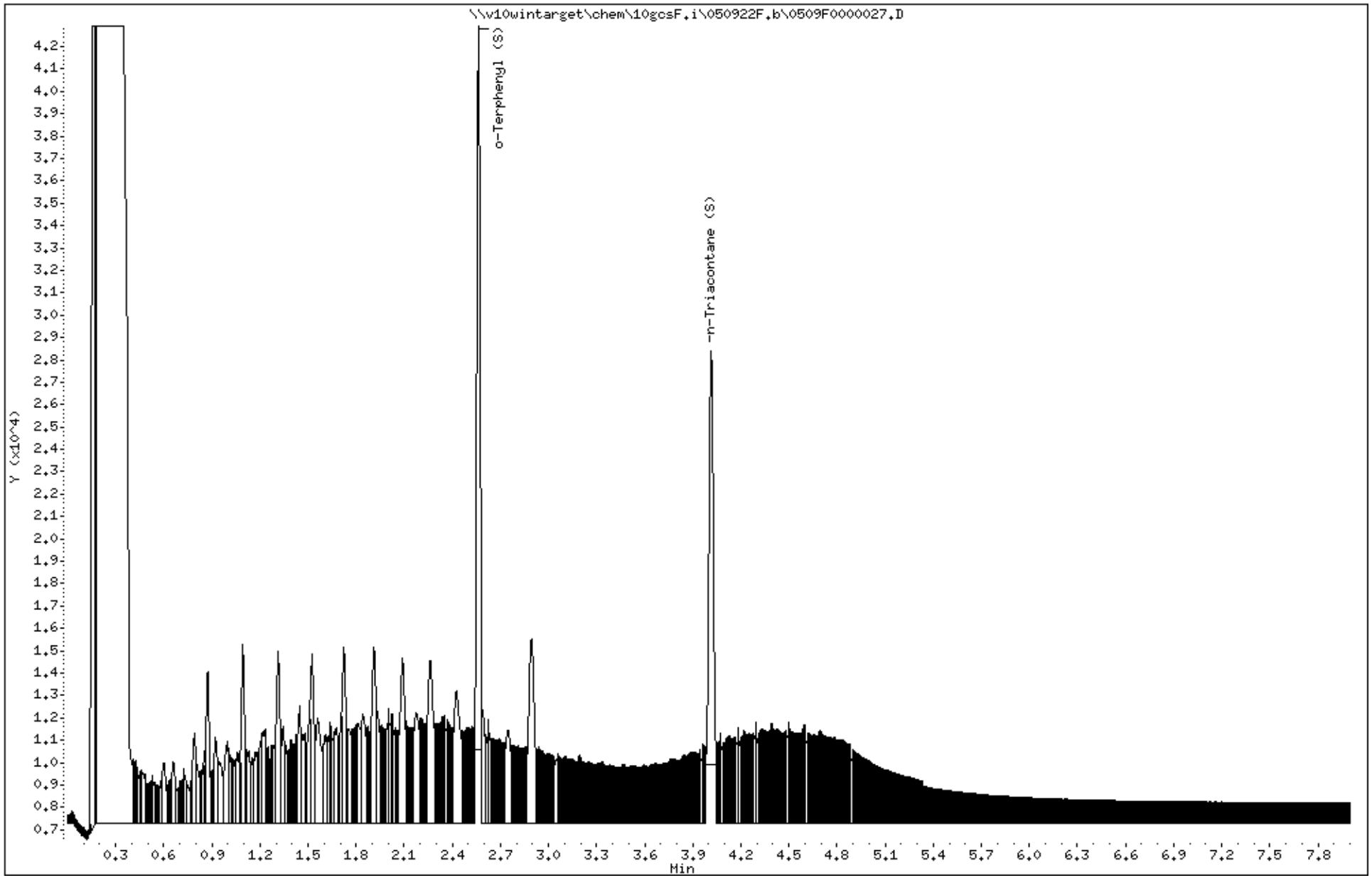
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

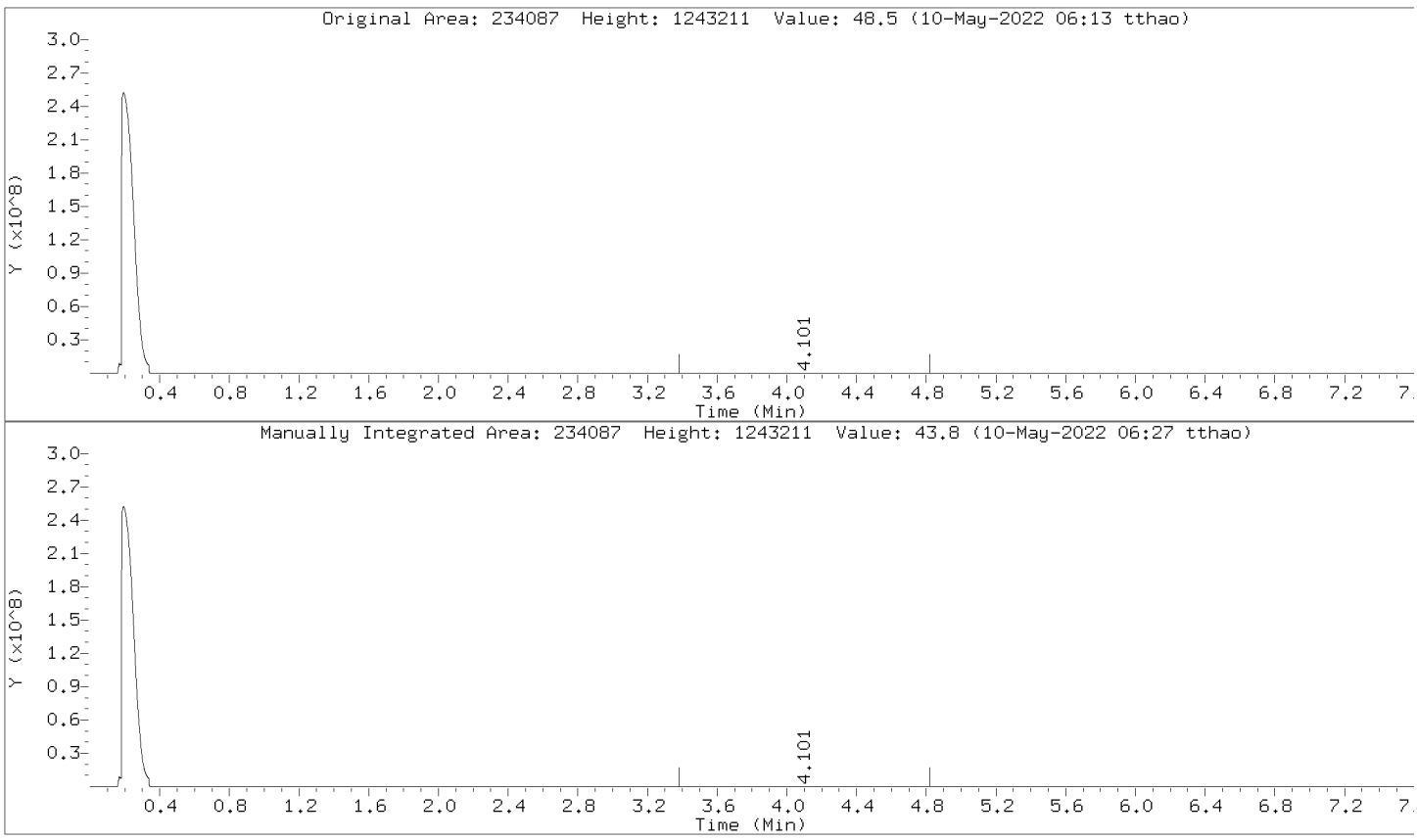
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000027.D
Date : 09-MAY-2022 15:54
Client ID: DMO-CAL4,364982:2
Sample Info: DMO-CAL4,364982:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



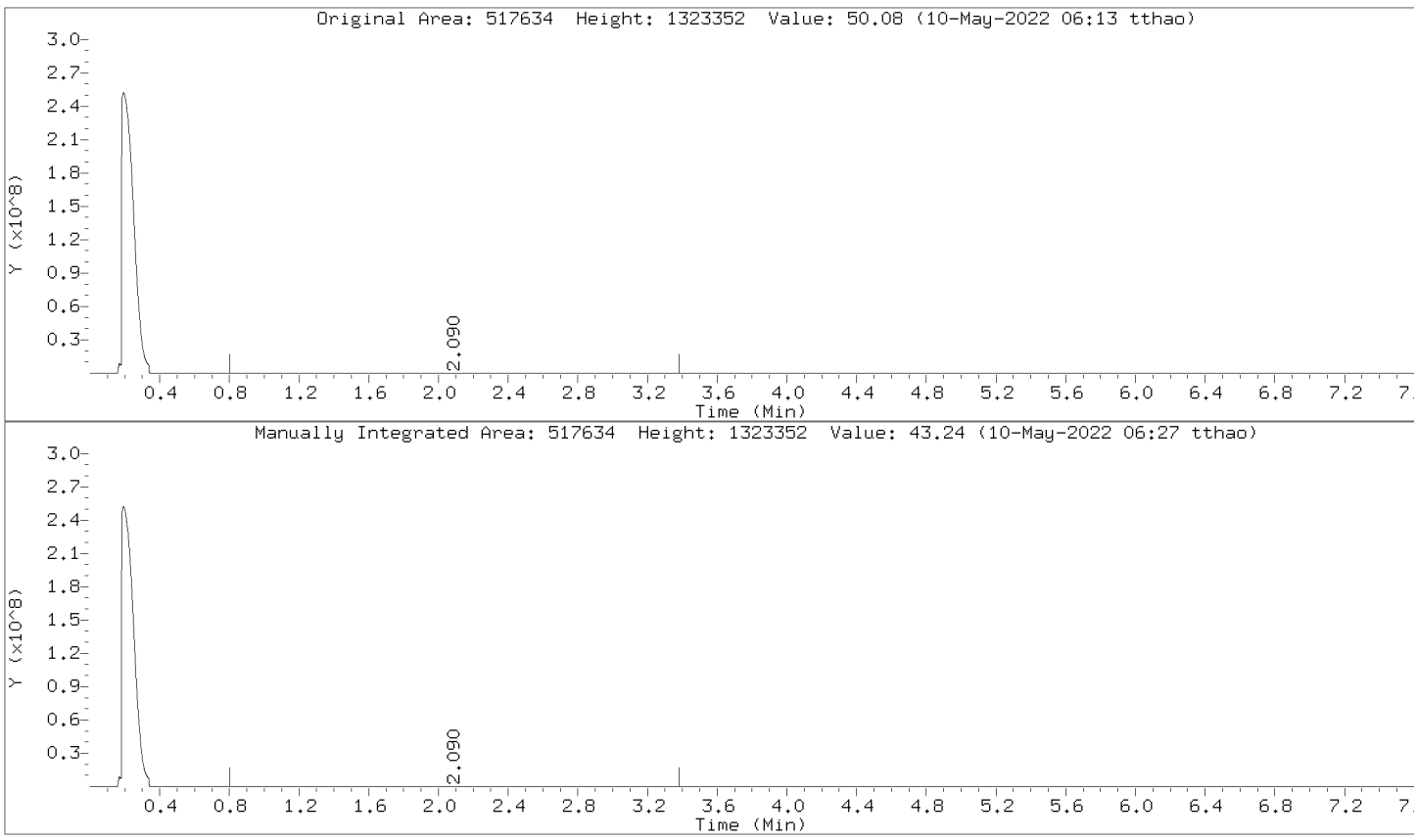
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



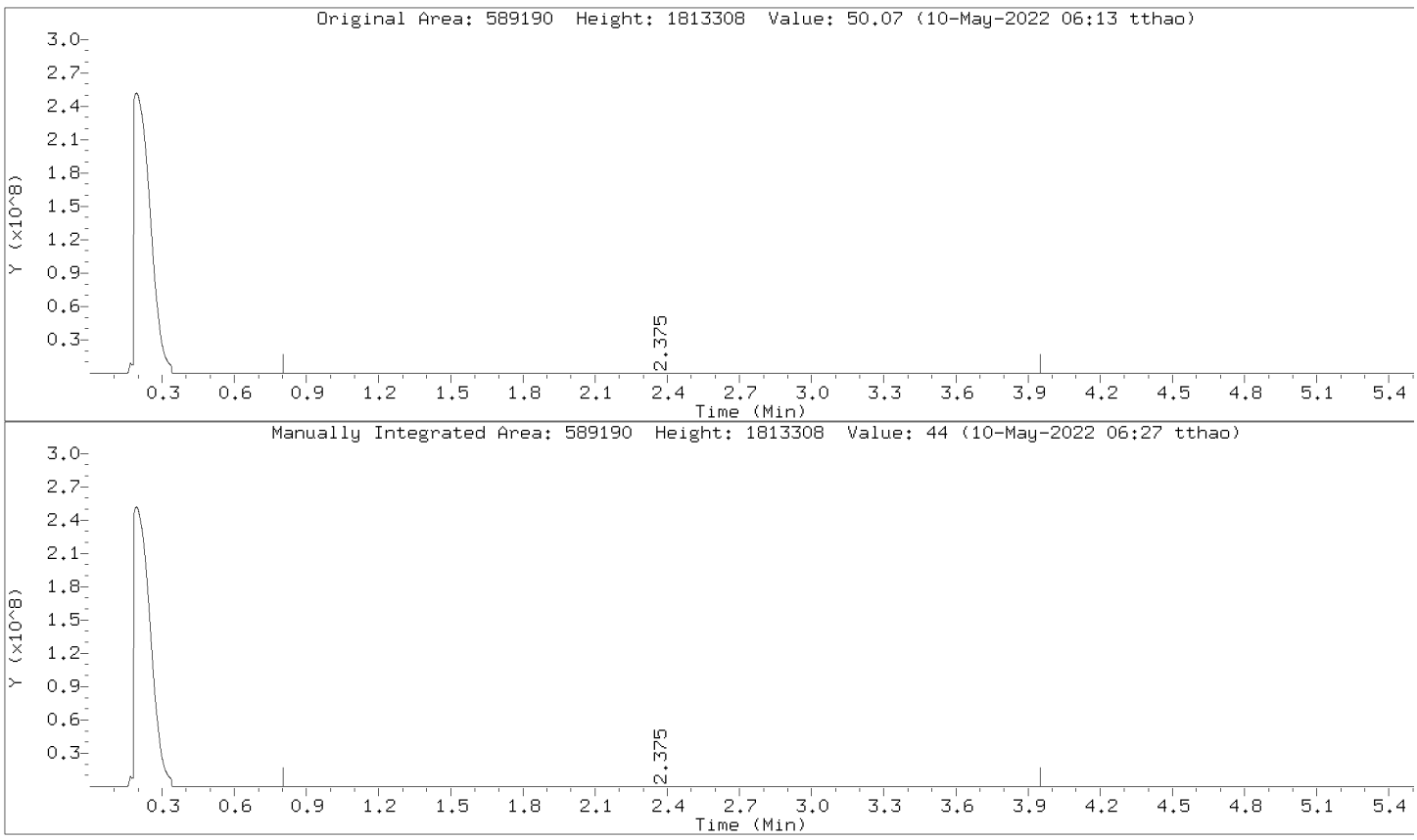
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



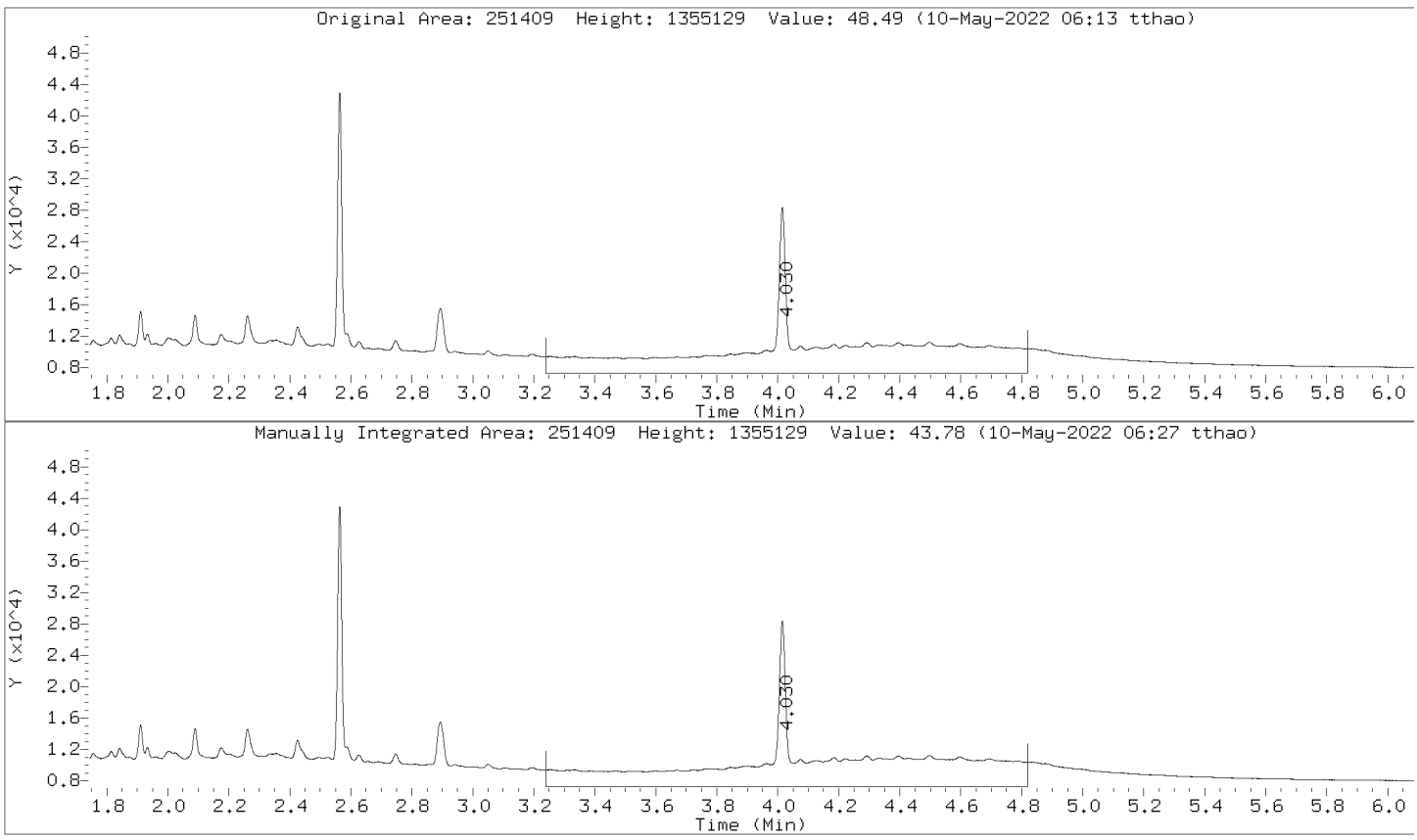
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



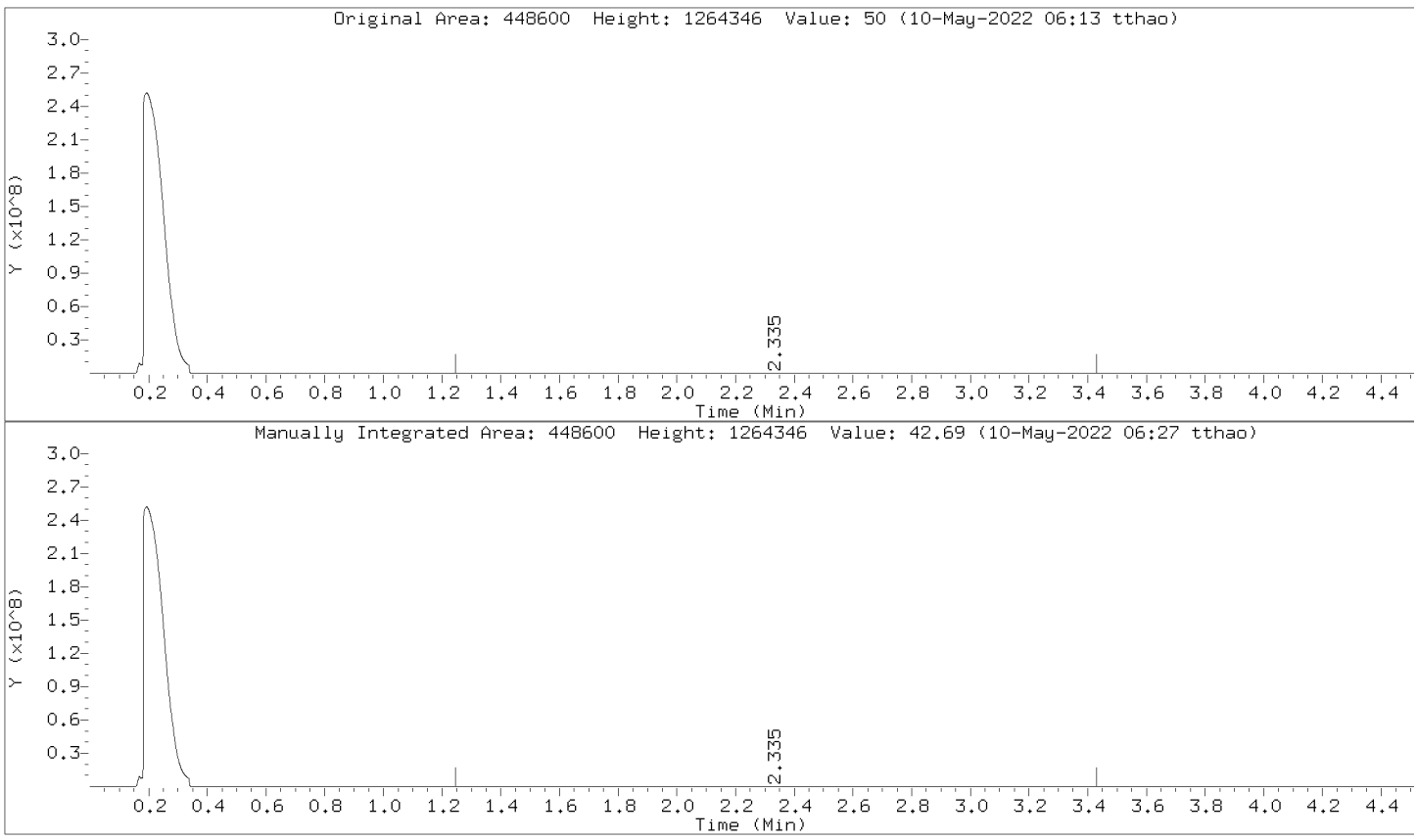
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



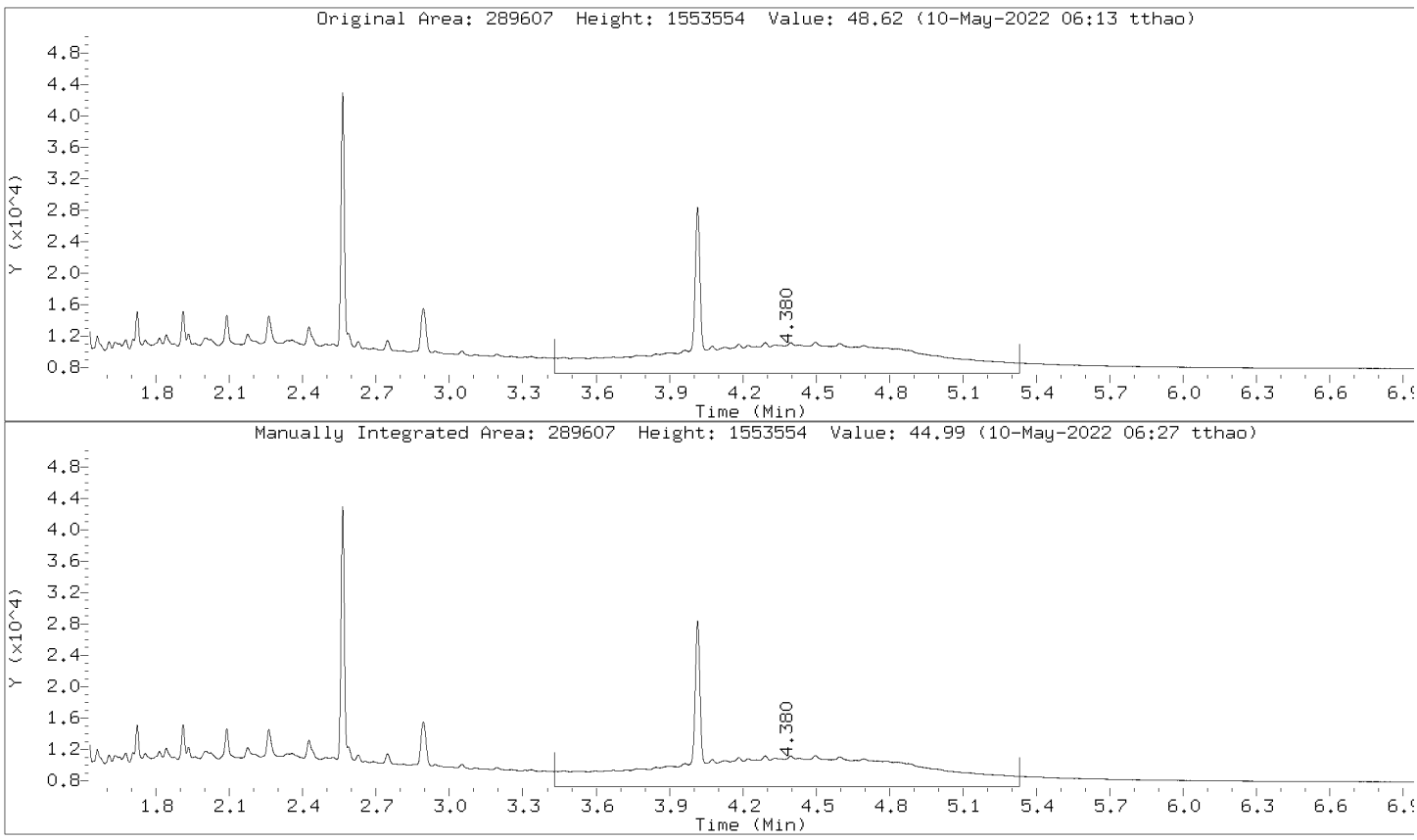
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



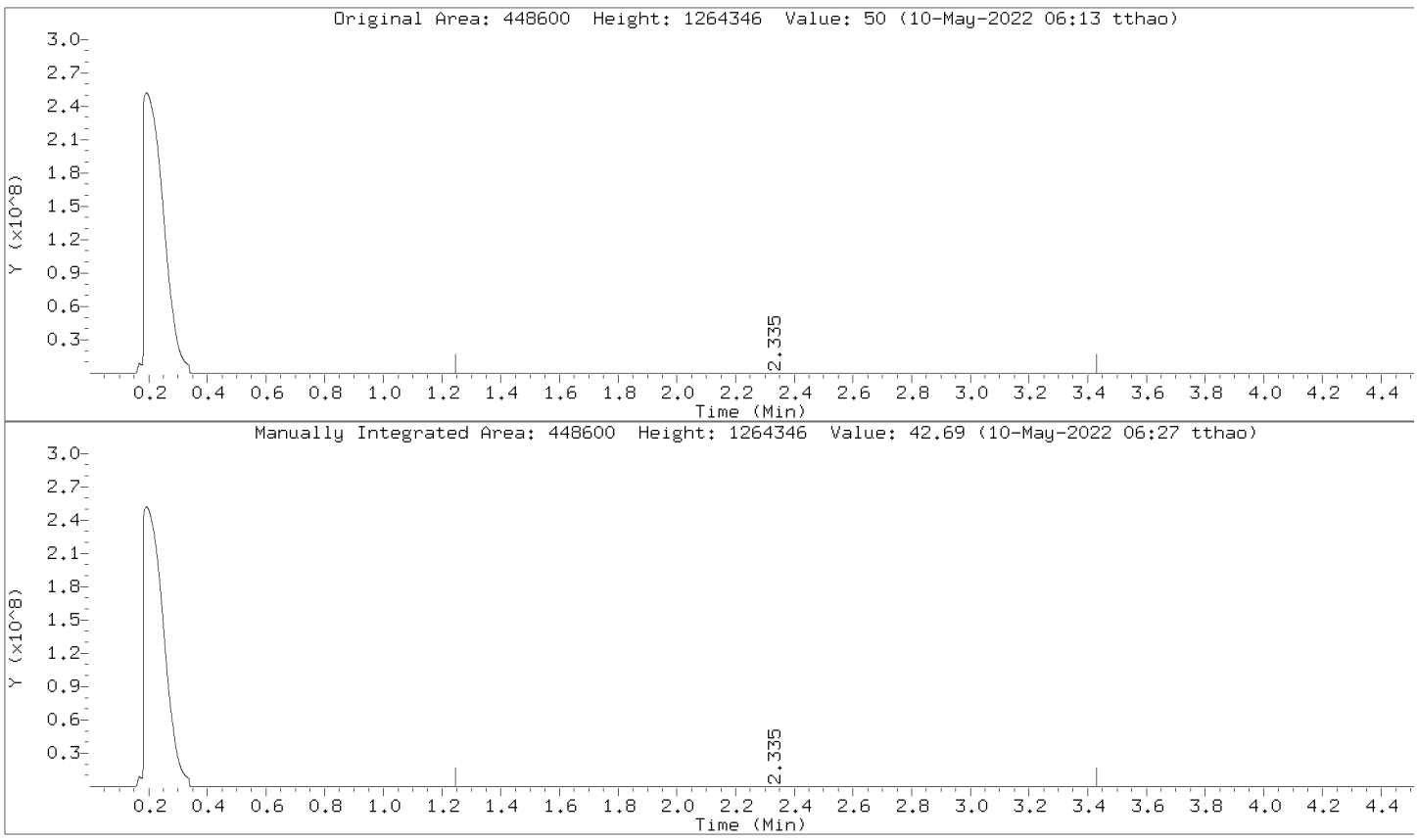
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



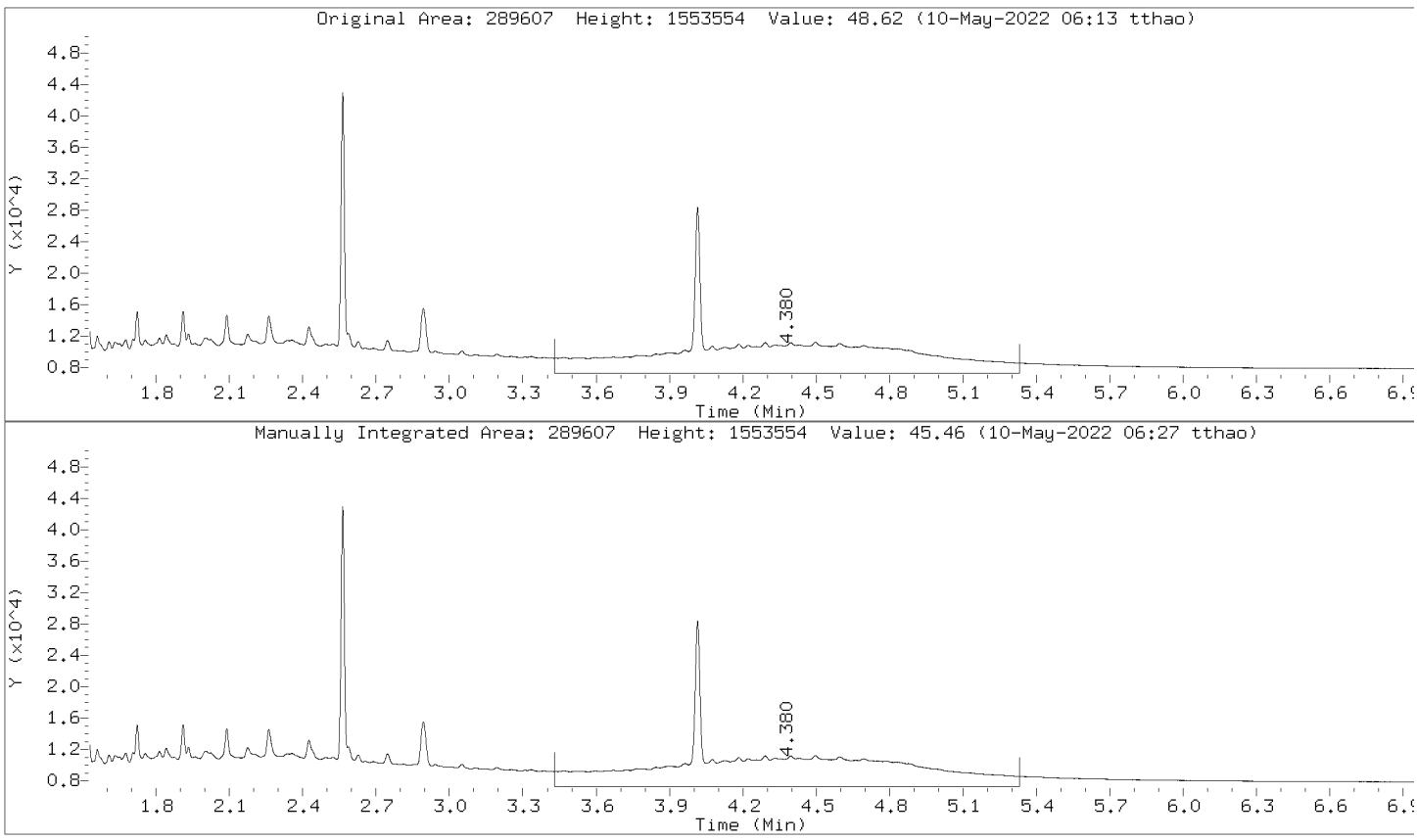
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



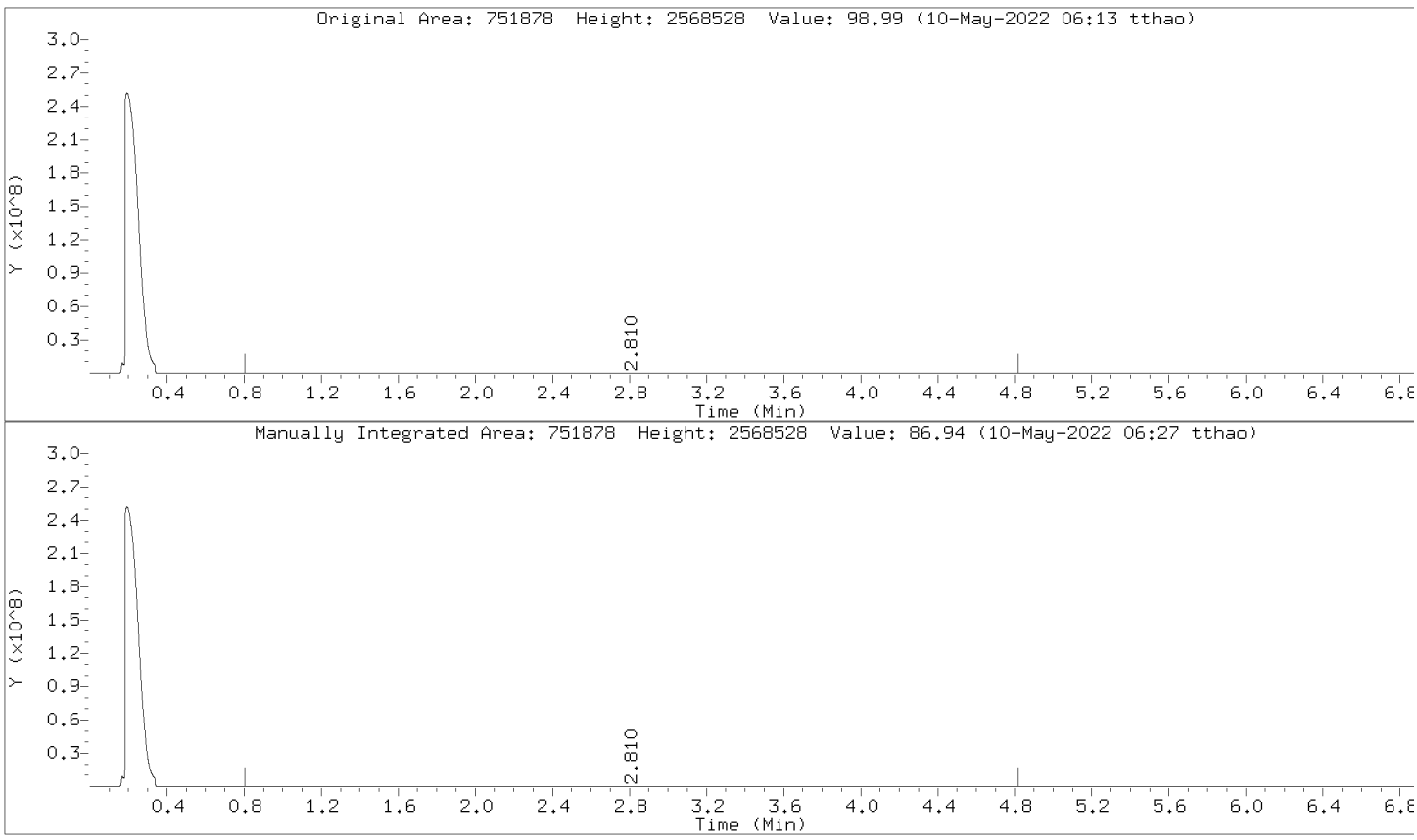
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



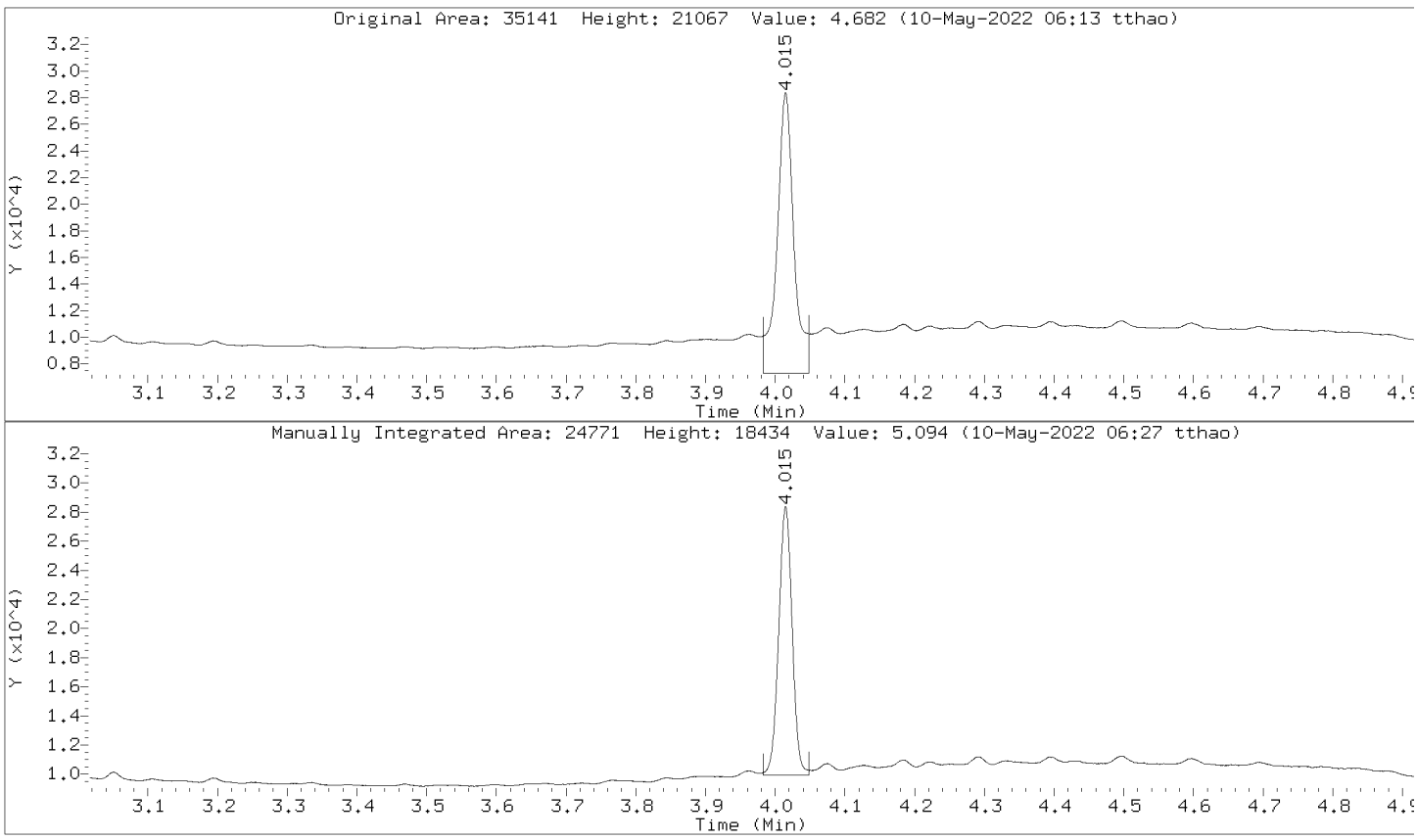
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: C10-C36 Review Code: RNG
CAS Number:



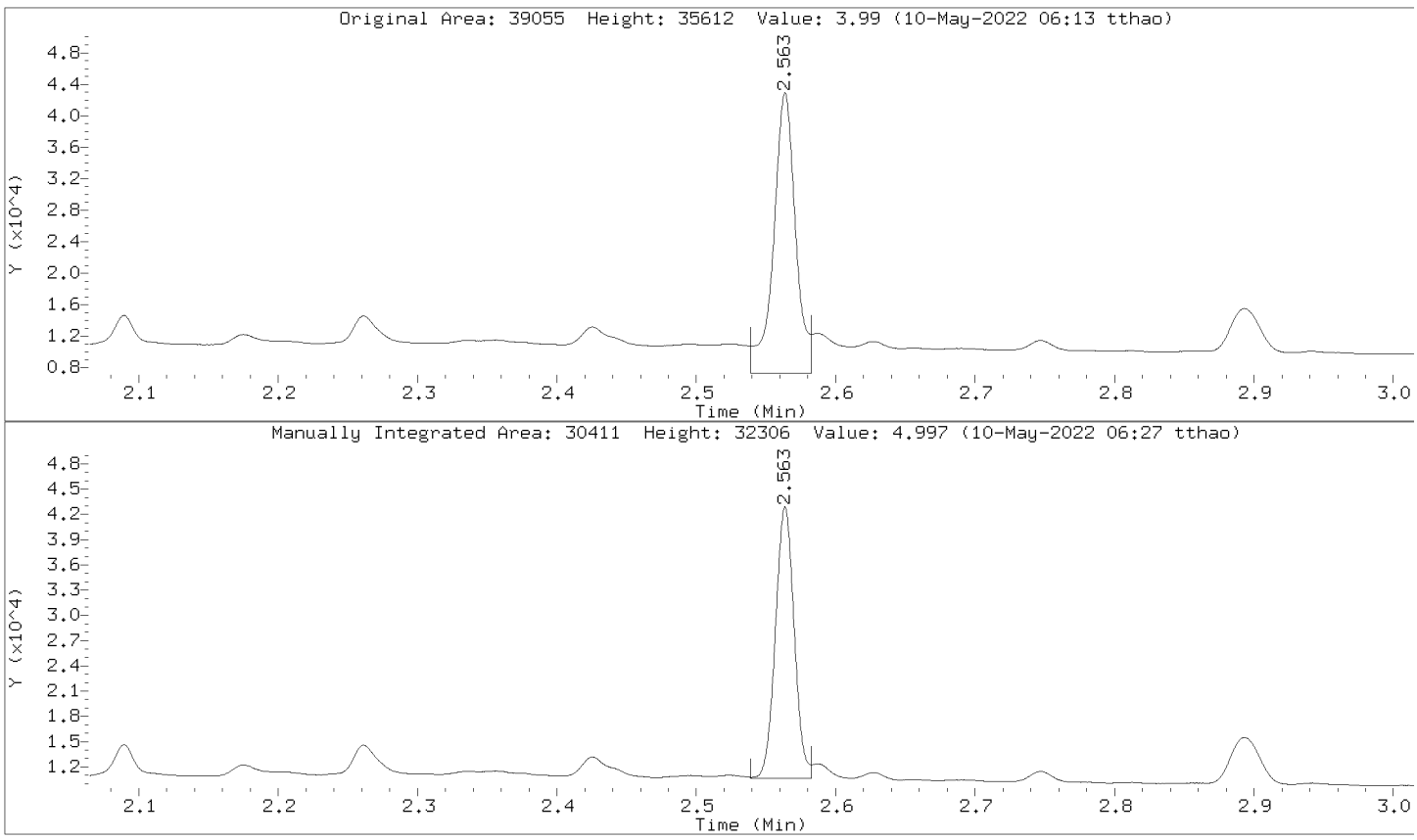
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	234087	234087
DRO by AK 102	517634	517634
TPH-DRO (C10-C28)	589190	589190
Motor Oil Range (C24-C36)	251409	251409
Diesel Fuel Range	448600	448600
Motor Oil Range	289607	289607
Diesel Fuel Range SG	448600	448600
Motor Oil Range SG	289607	289607
C10-C36	751878	751878
n-Triacontane (S)	35141	24771
o-Terphenyl (S)	39055	30411

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000028.D
Lab Smp Id: DMO-CAL5,364983:2 Client Smp ID: DMO-CAL5,364983:2
Inj Date : 09-MAY-2022 16:06
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal5,364983:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		786984	100.000	95.2	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.564	2.565	-0.001	60435	10.0000	9.93	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.015	4.017	-0.002	48857	10.0000	10.0	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		404664	100.000	97.0	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		897834	100.000	95.7	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		428533	100.000	96.8	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		1191648	200.000	192	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		674532	100.000	94.8	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		674532	100.000	94.8	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		494946	100.000	97.8	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		494946	100.000	98.2	(M)	RNG

QC Flag Legend

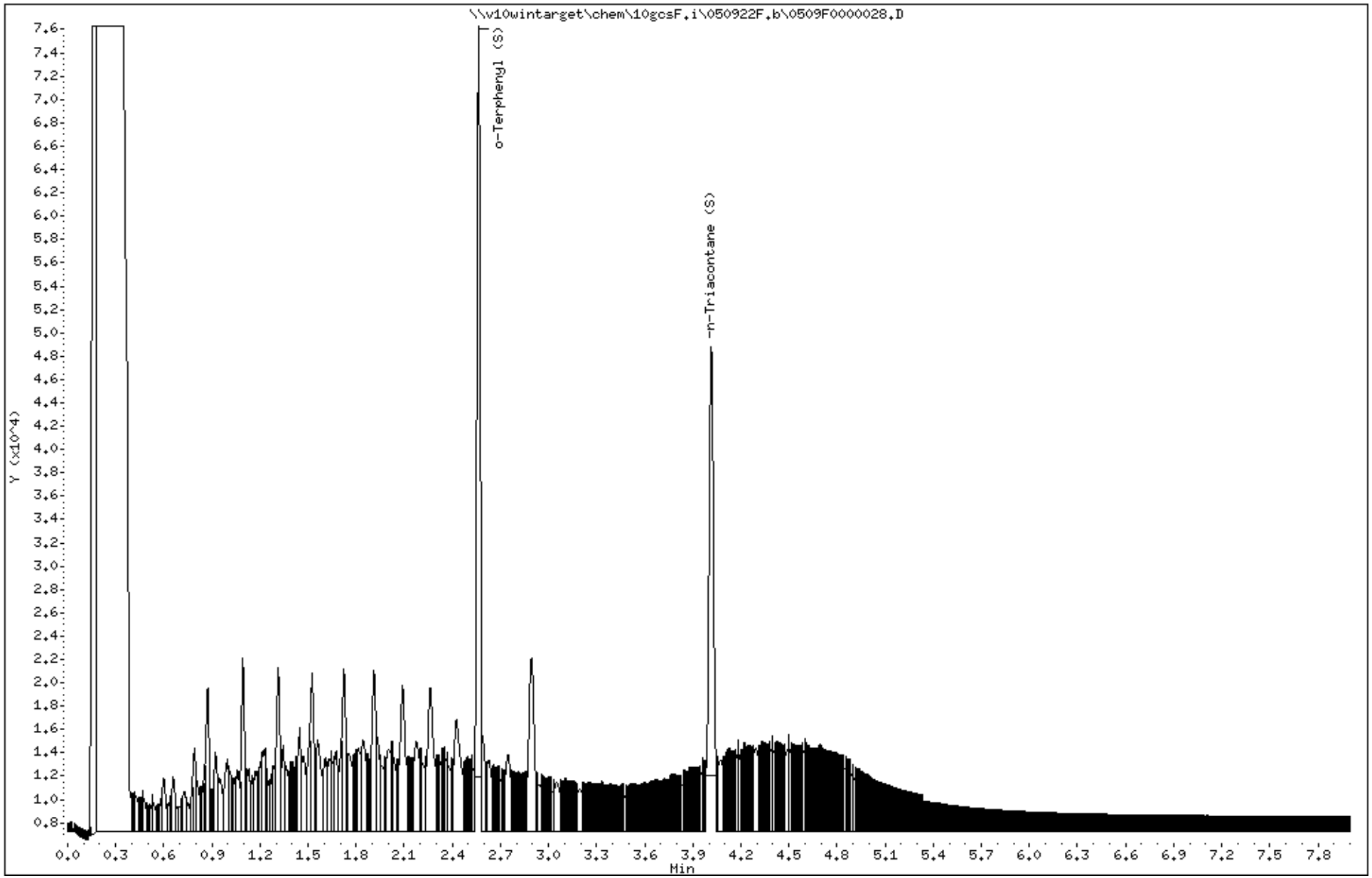
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

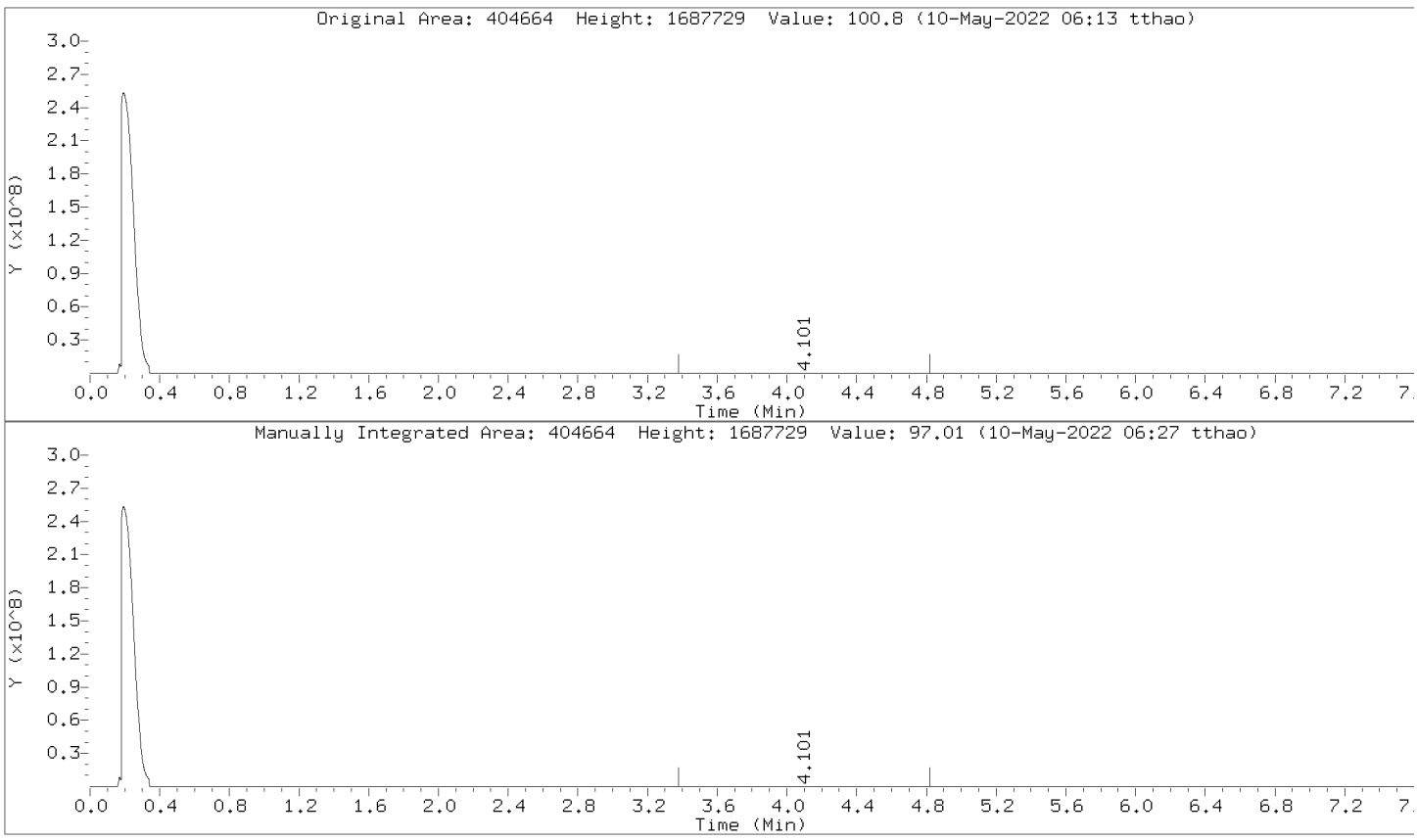
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000028.D
Date : 09-MAY-2022 16:06
Client ID: DMO-CAL5,364983:2
Sample Info: DMO-CAL5,364983:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



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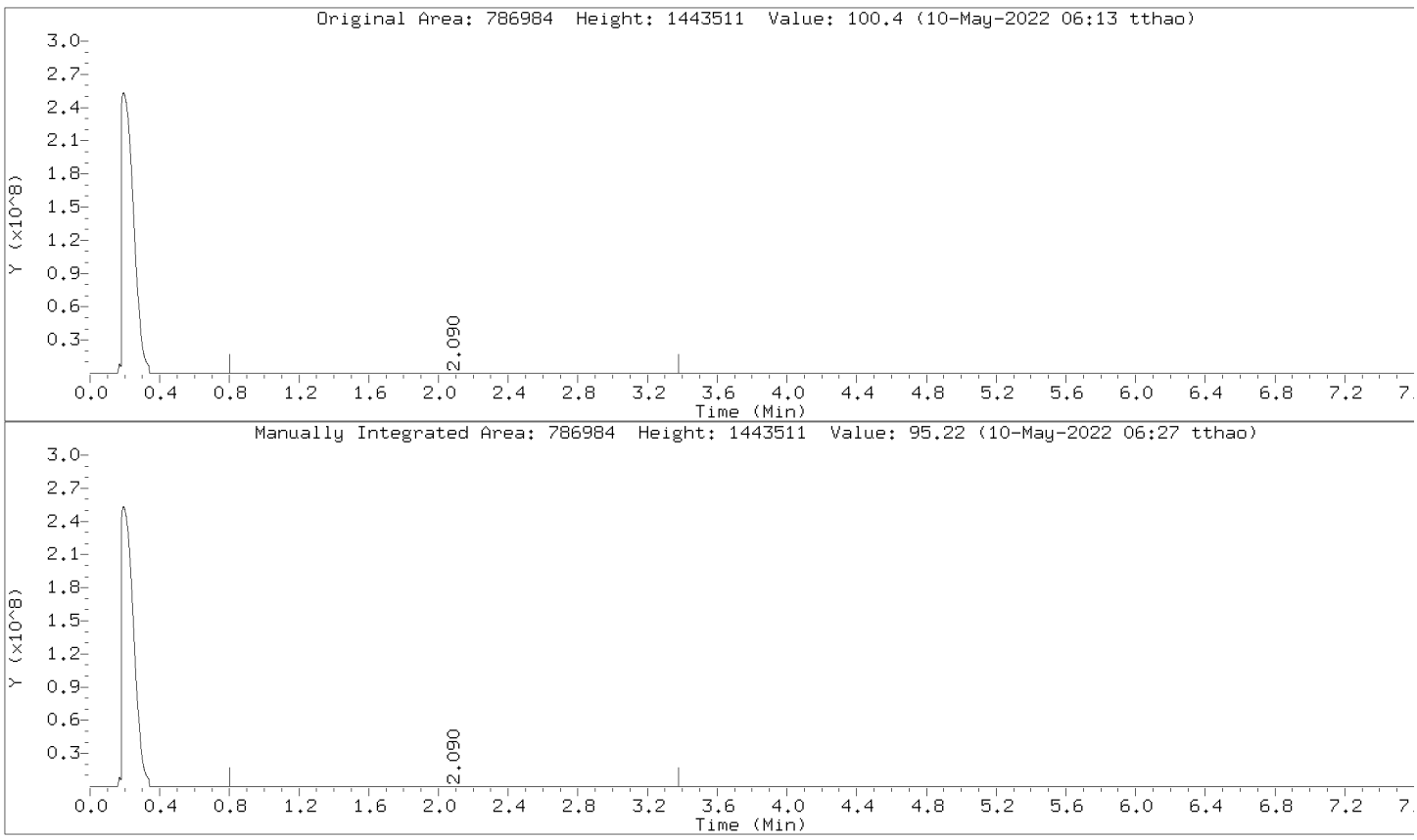
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



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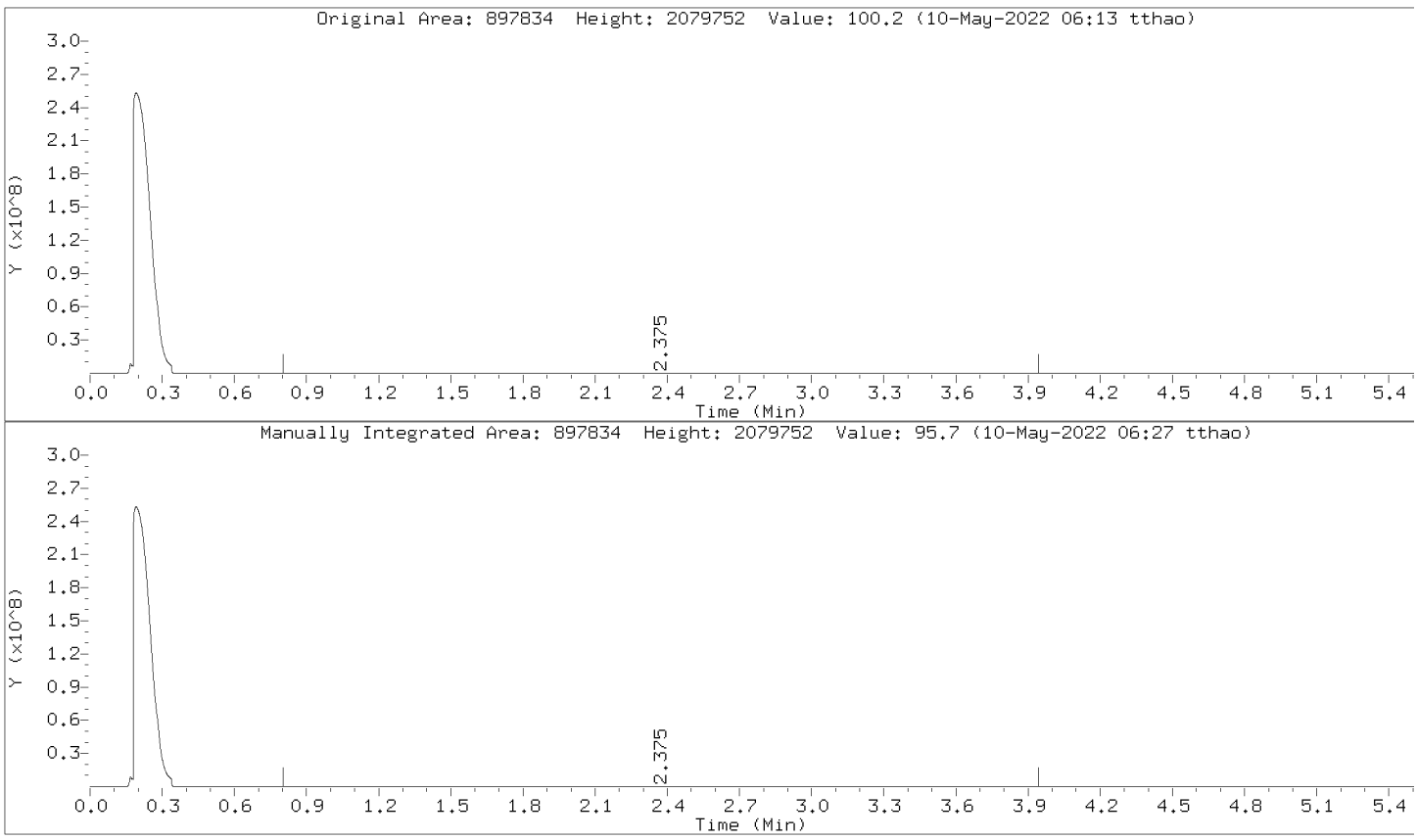
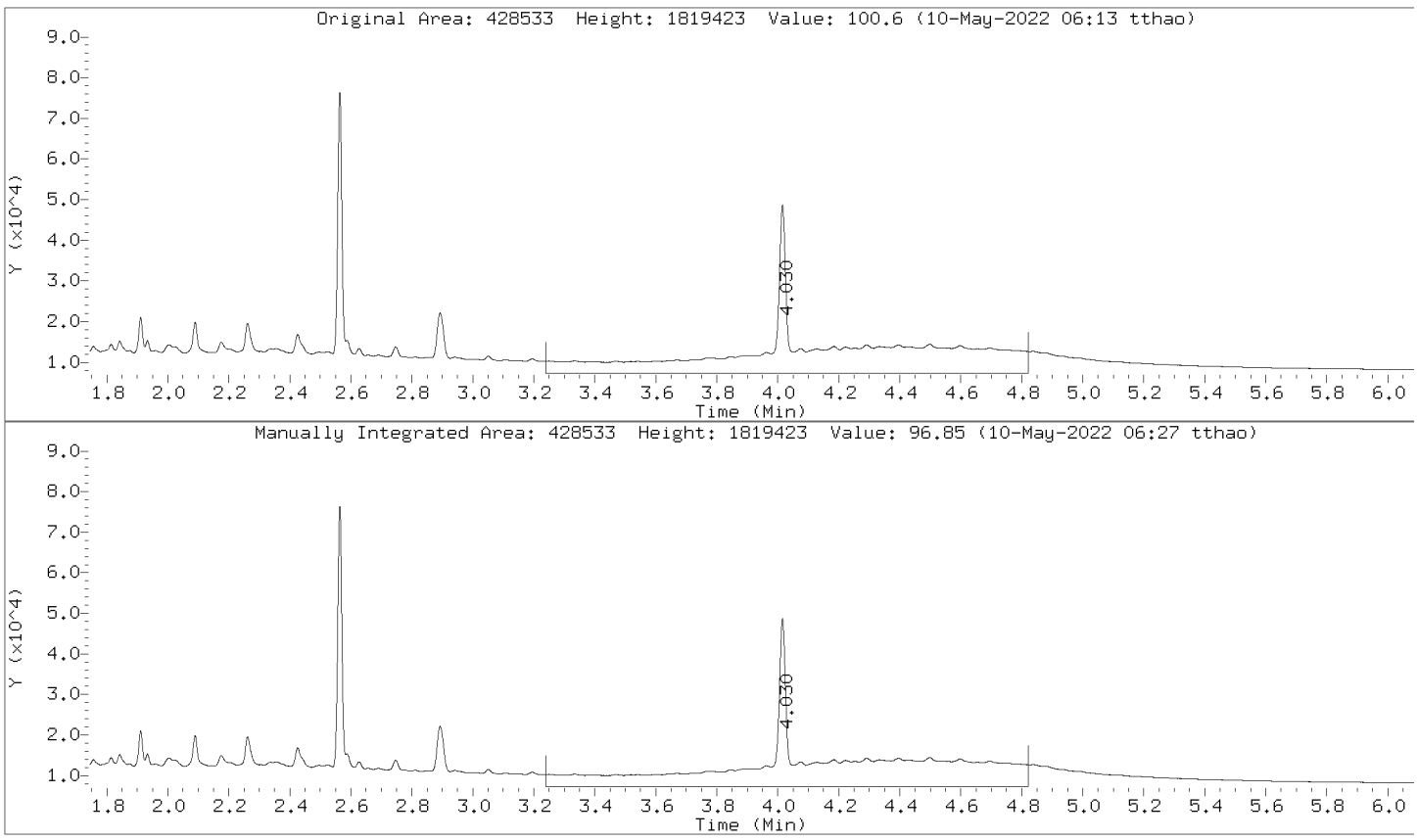
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



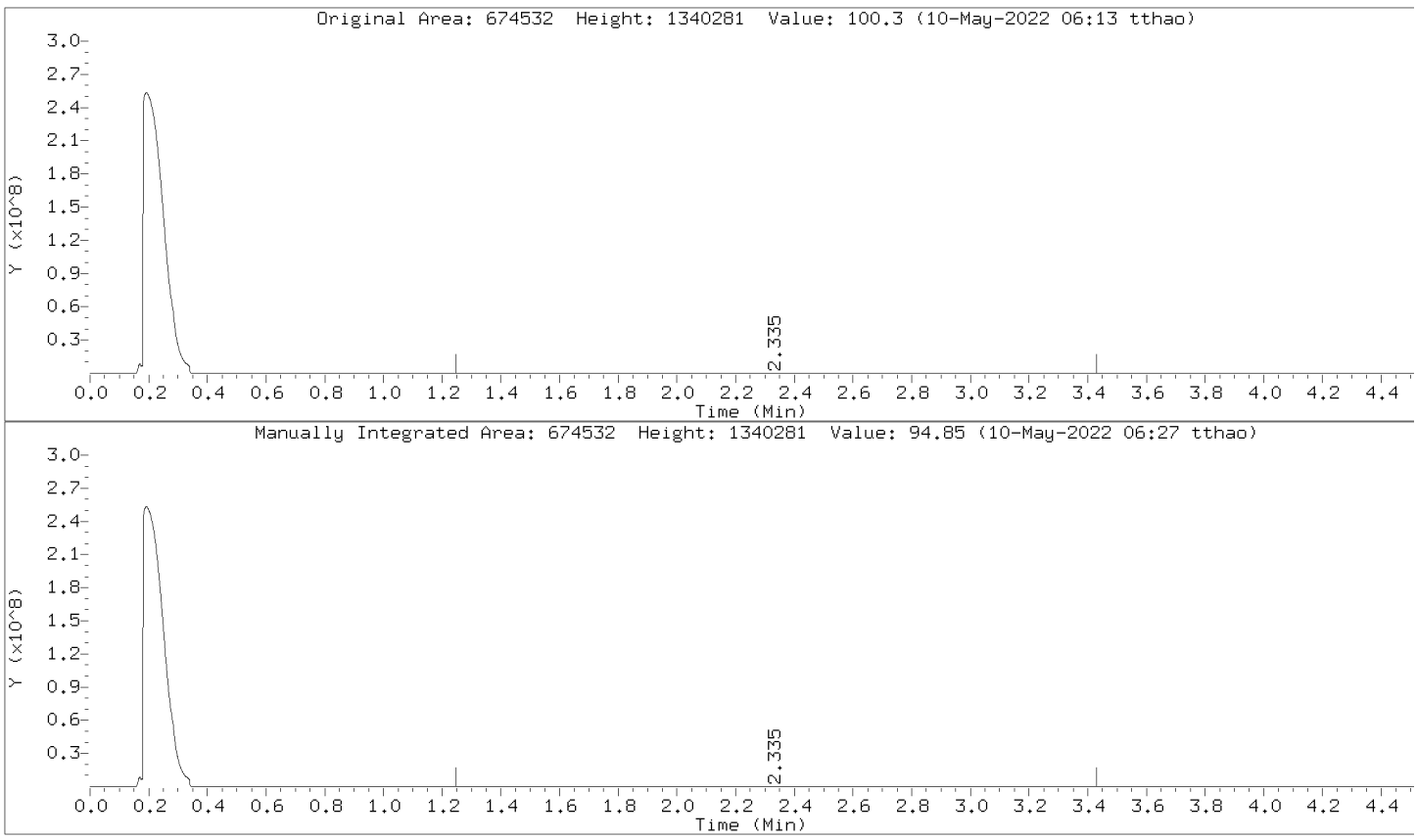
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



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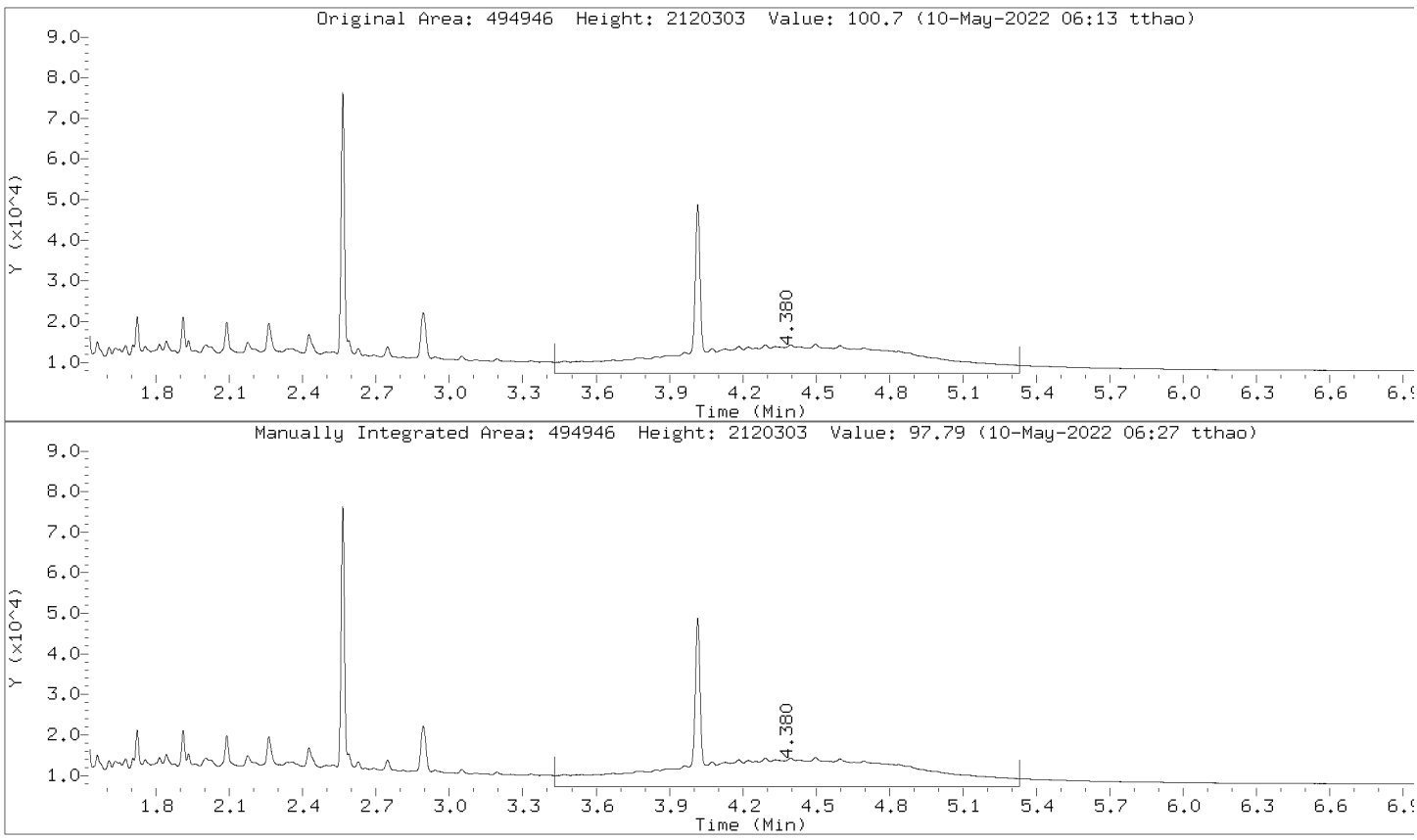
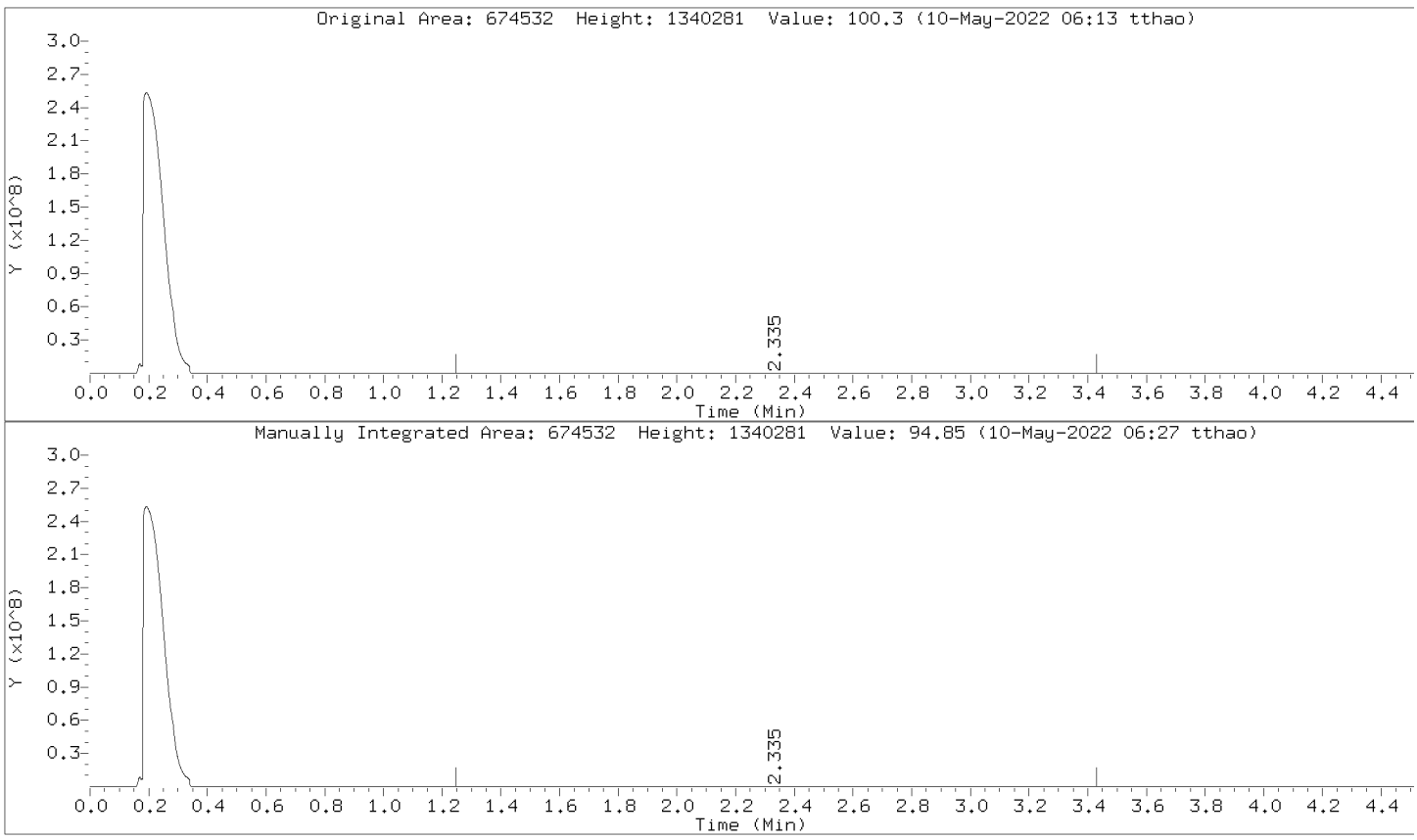
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



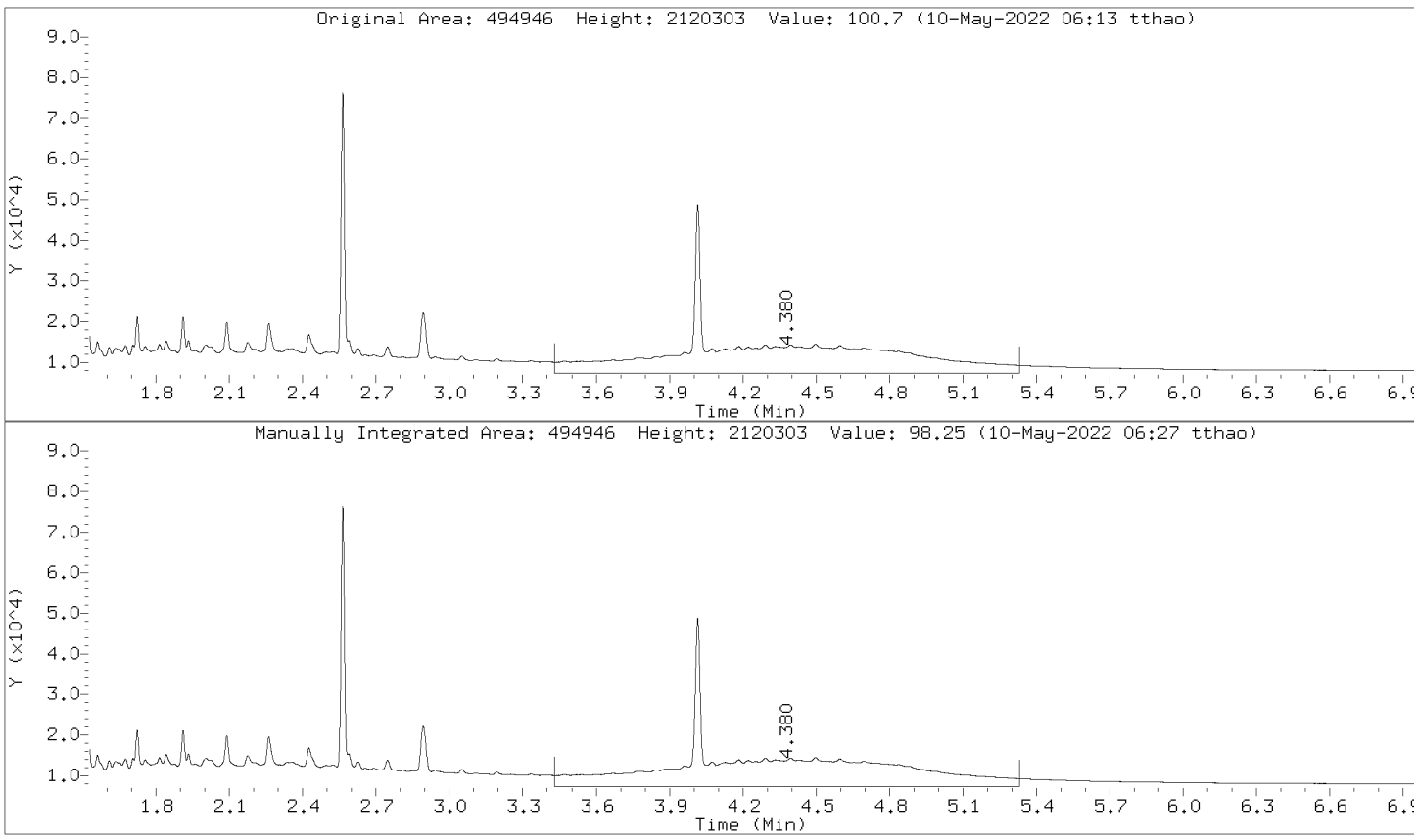
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



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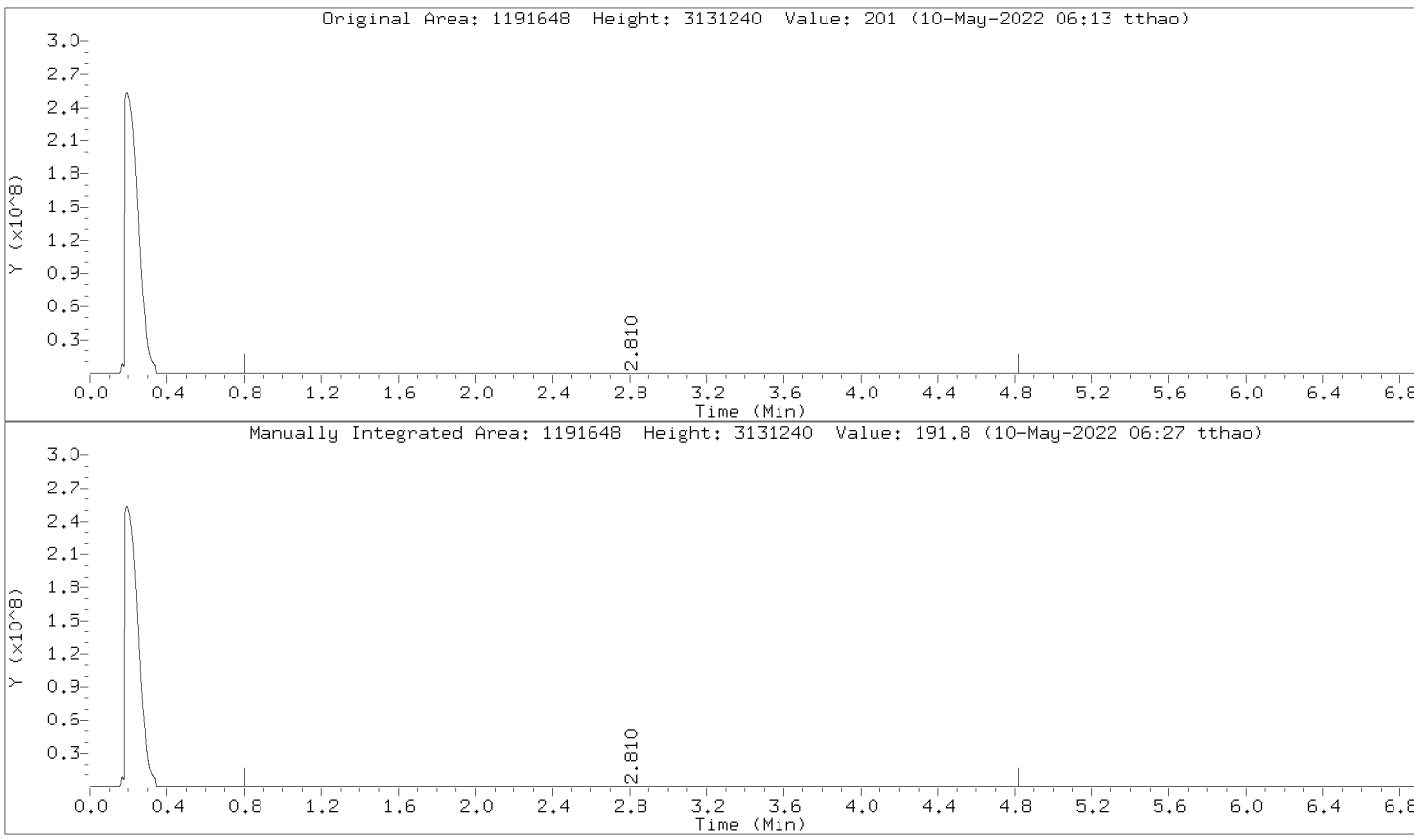
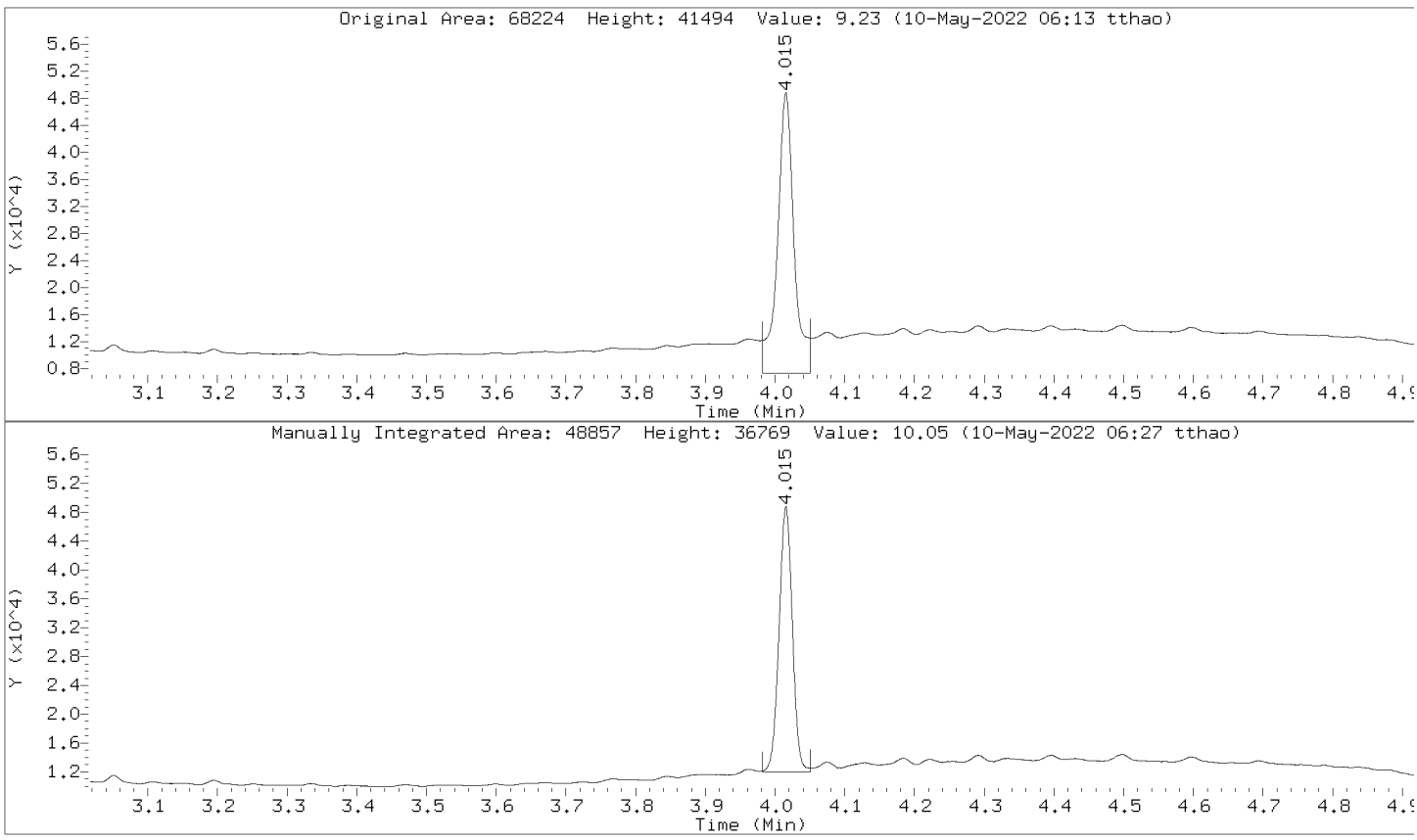
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: C10-C36 Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



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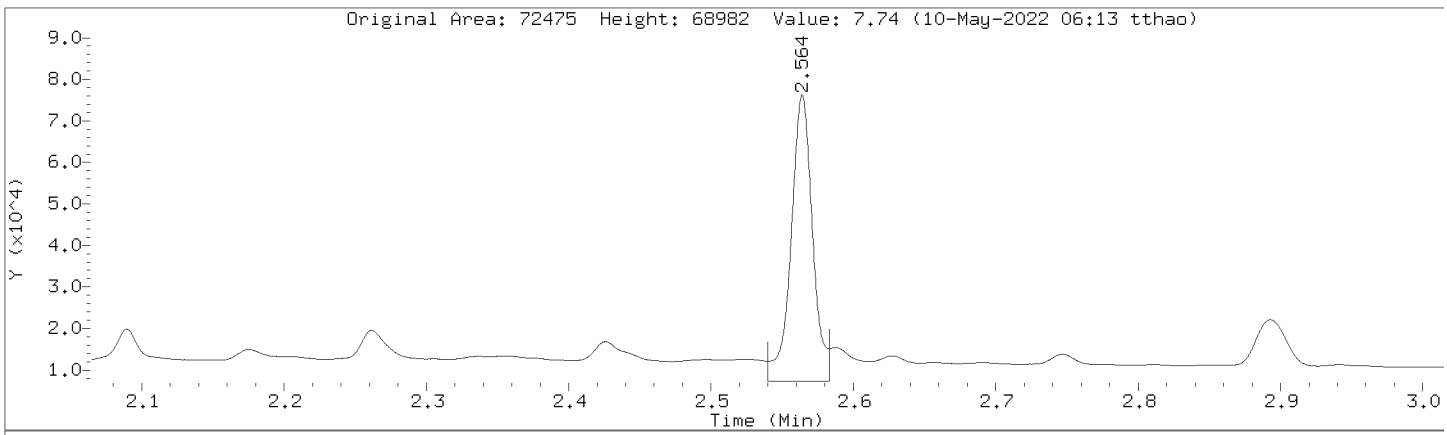
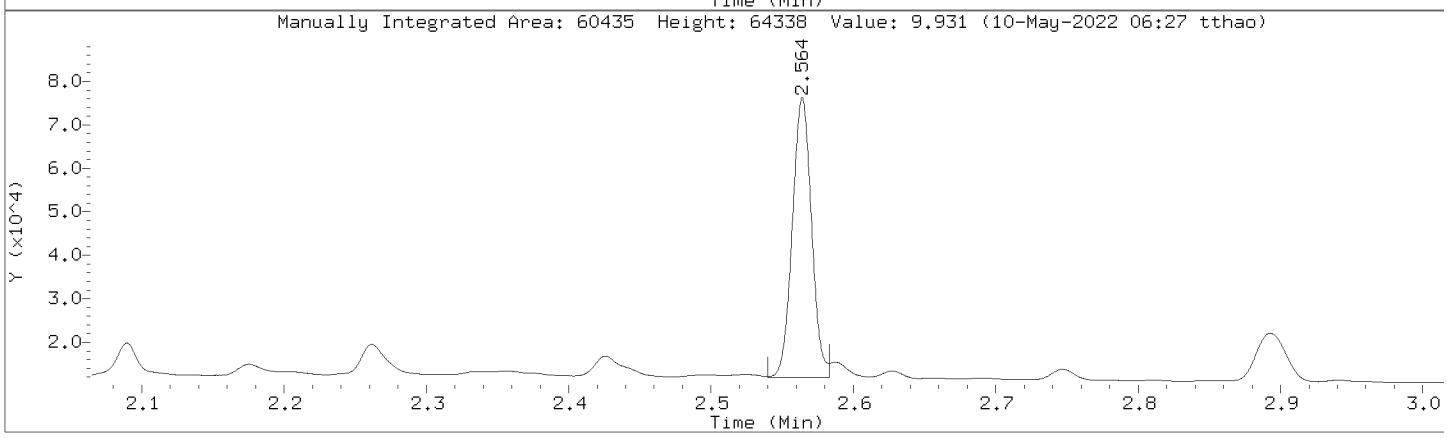
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:





Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	404664	404664
DRO by AK 102	786984	786984
TPH-DRO (C10-C28)	897834	897834
Motor Oil Range (C24-C36)	428533	428533
Diesel Fuel Range	674532	674532
Motor Oil Range	494946	494946
Diesel Fuel Range SG	674532	674532
Motor Oil Range SG	494946	494946
C10-C36	1191648	1191648
n-Triacontane (S)	68224	48857
o-Terphenyl (S)	72475	60435

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000029.D
Lab Smp Id: DMO-CAL6,364984:2 Client Smp ID: DMO-CAL6,364984:2
Inj Date : 09-MAY-2022 16:18
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal6,364984:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS					
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)		REVIEW CODE	
S 1 DRO by AK 102					CAS #:			
0.800	- 3.380		1584516	250.000	249		(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:			
2.564	2.565	-0.001	147678	25.0000	24.3		(M)	BA
$ 3 n-Triacontane (S)					CAS #:			
4.015	4.017	-0.002	120934	25.0000	24.9		(M)	BA
S 4 Residual Range Organics AK103					CAS #:			
3.381	- 4.820		894979	250.000	250		(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:			
0.800	- 3.950		1810188	250.000	248		(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:			
3.240	- 4.820		940953	250.000	250		(M)	RNG
S 7 C10-C36					CAS #:			
0.800	- 4.820		2479496	500.000	499		(M)	RNG
S 8 Diesel Fuel Range					CAS #:			
1.240	- 3.430		1341847	250.000	249		(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:			
1.240	- 3.430		1341847	250.000	249		(M)	RNG
S 10 Motor Oil Range					CAS #:			
3.431	- 5.330		1085964	250.000	250		(M)	RNG
S 11 Motor Oil Range SG					CAS #:			
3.431	- 5.330		1085964	250.000	250		(M)	RNG

QC Flag Legend

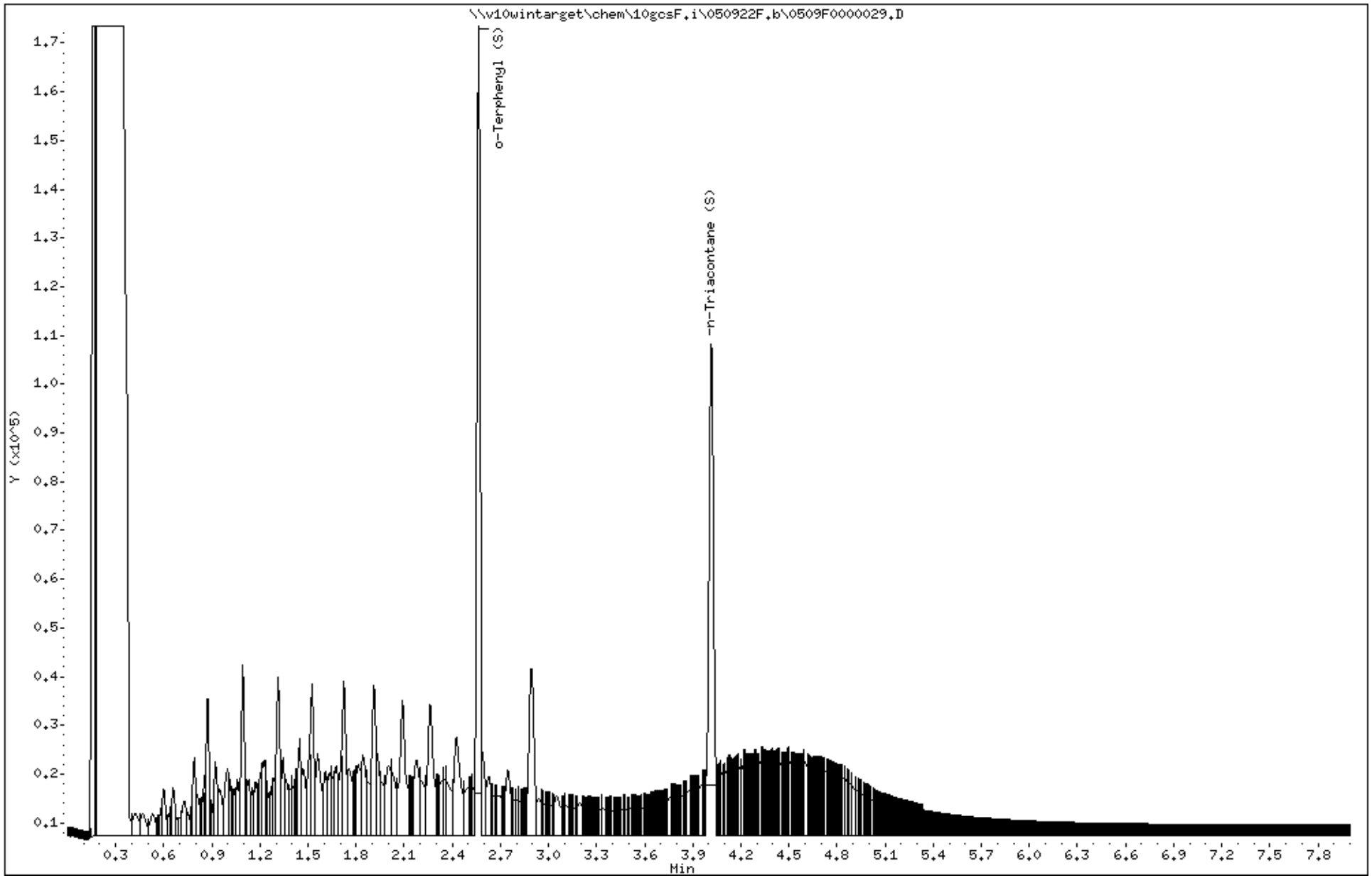
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

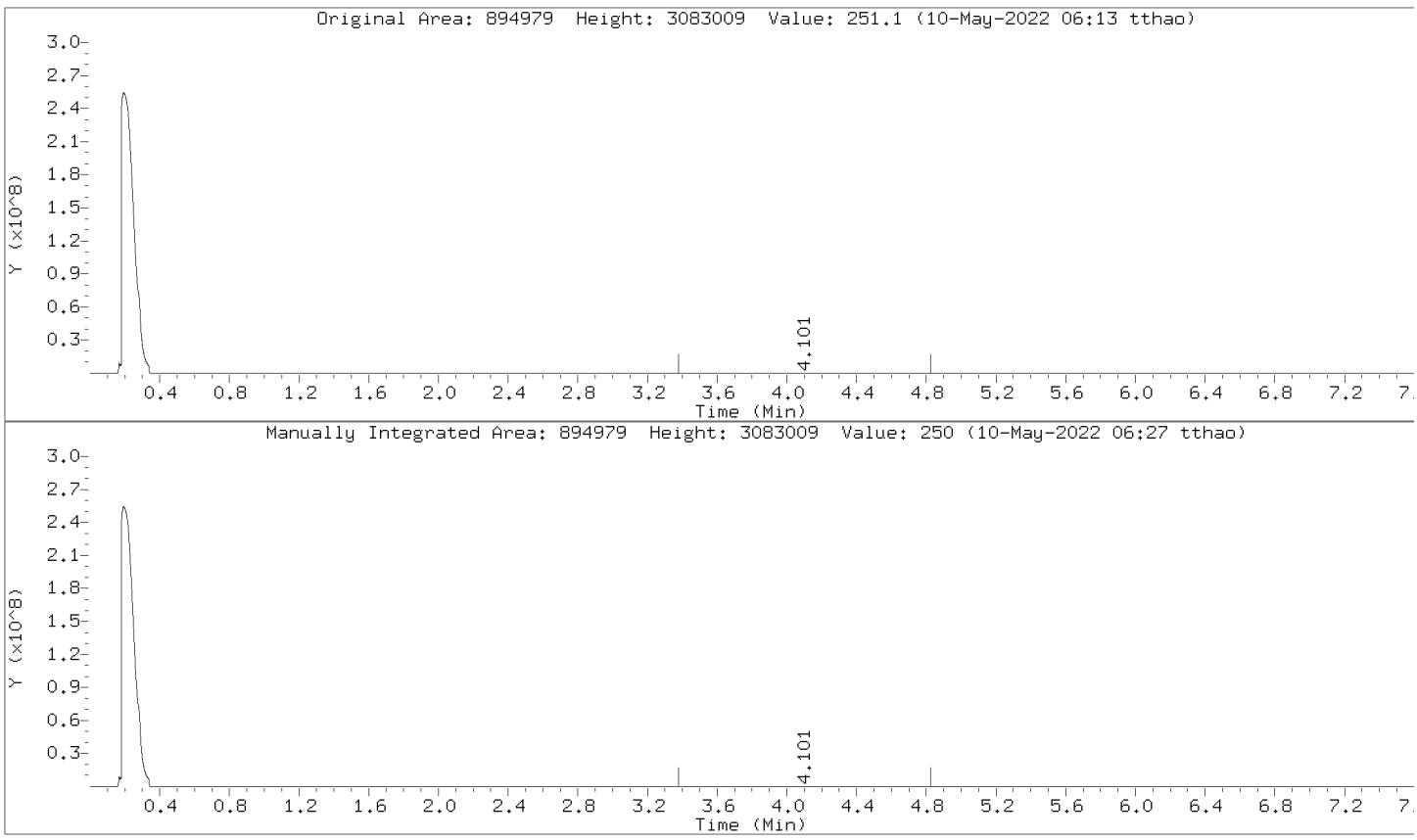
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000029.D
Date : 09-MAY-2022 16:18
Client ID: DMO-CAL6,364984:2
Sample Info: DMO-CAL6,364984:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



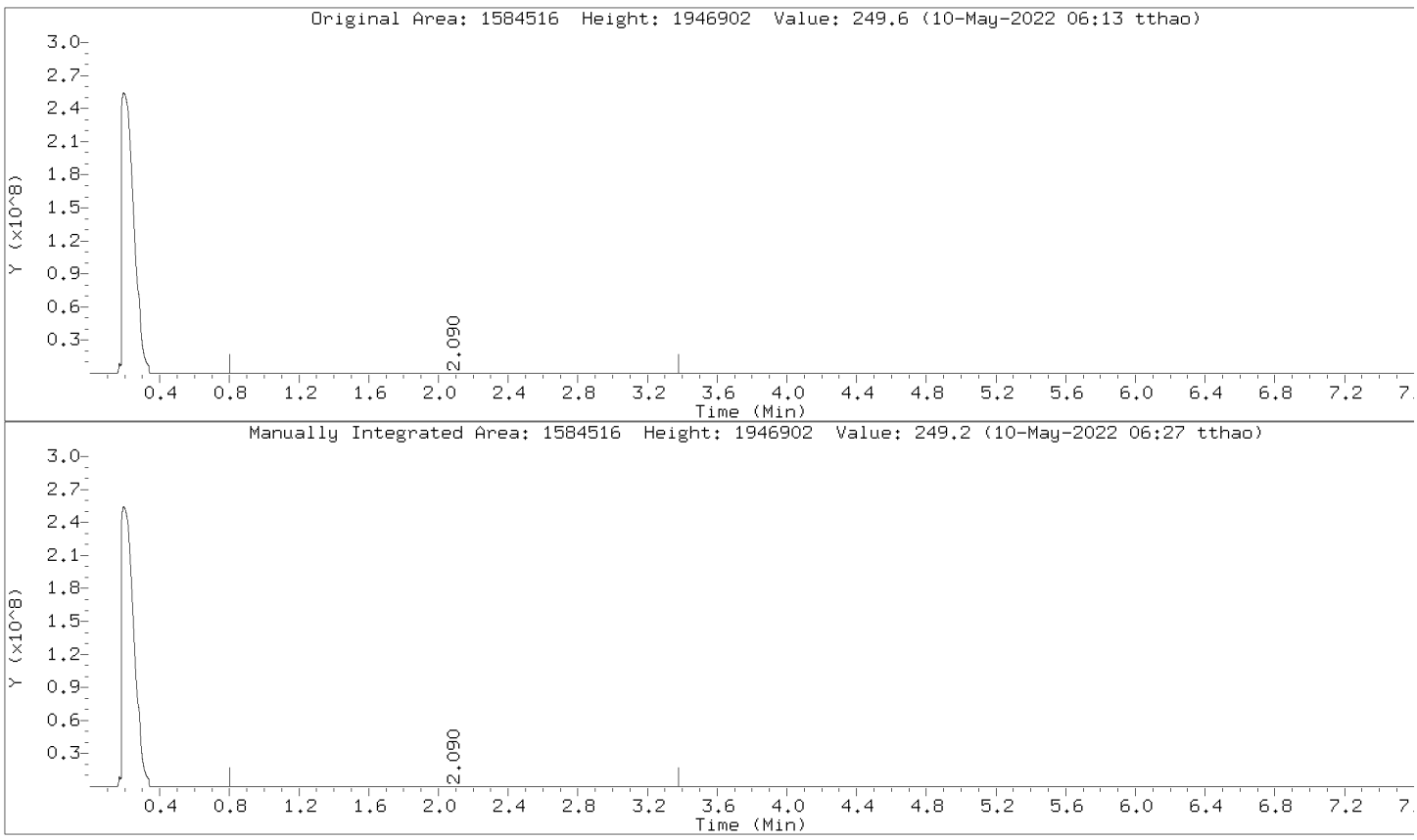
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



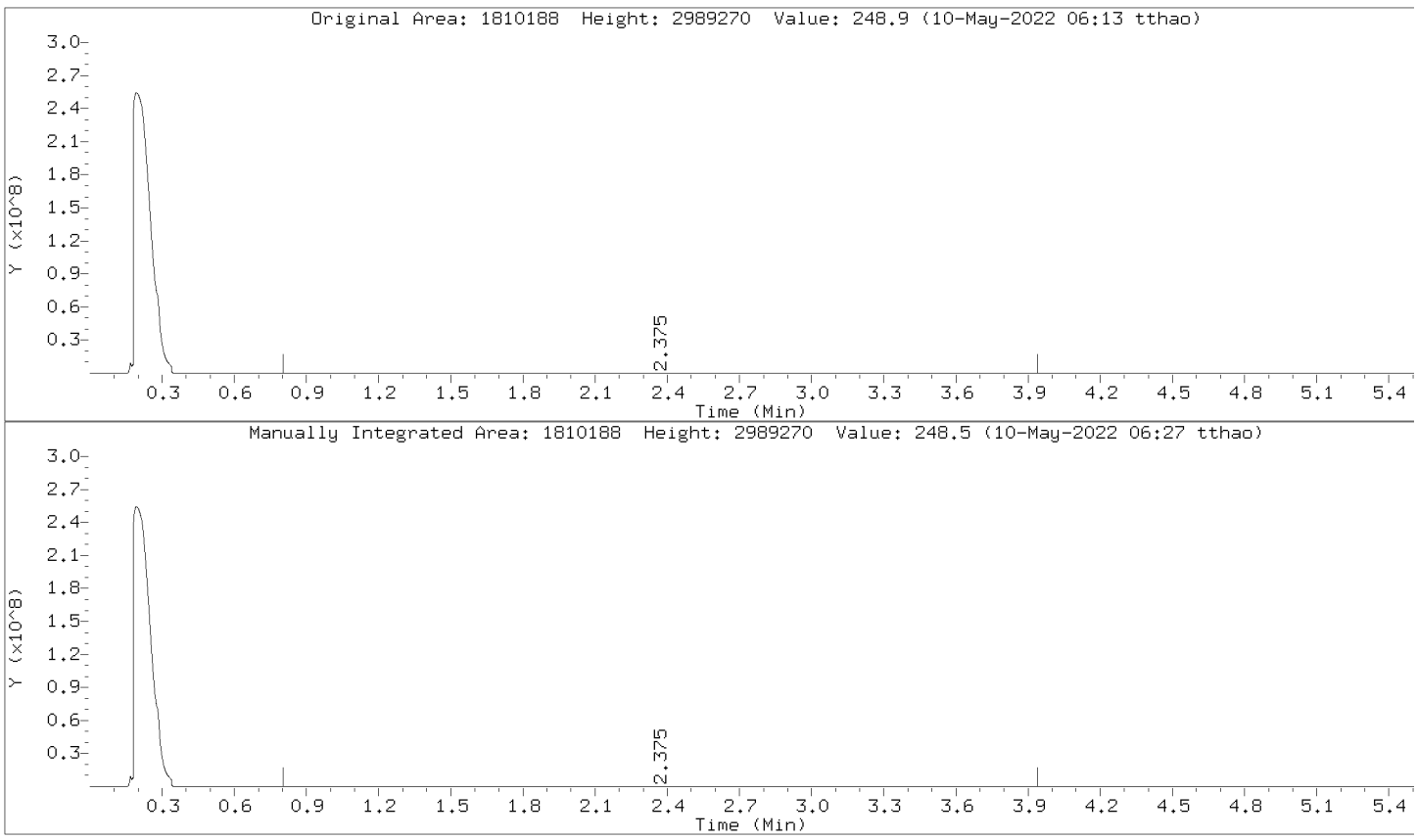
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



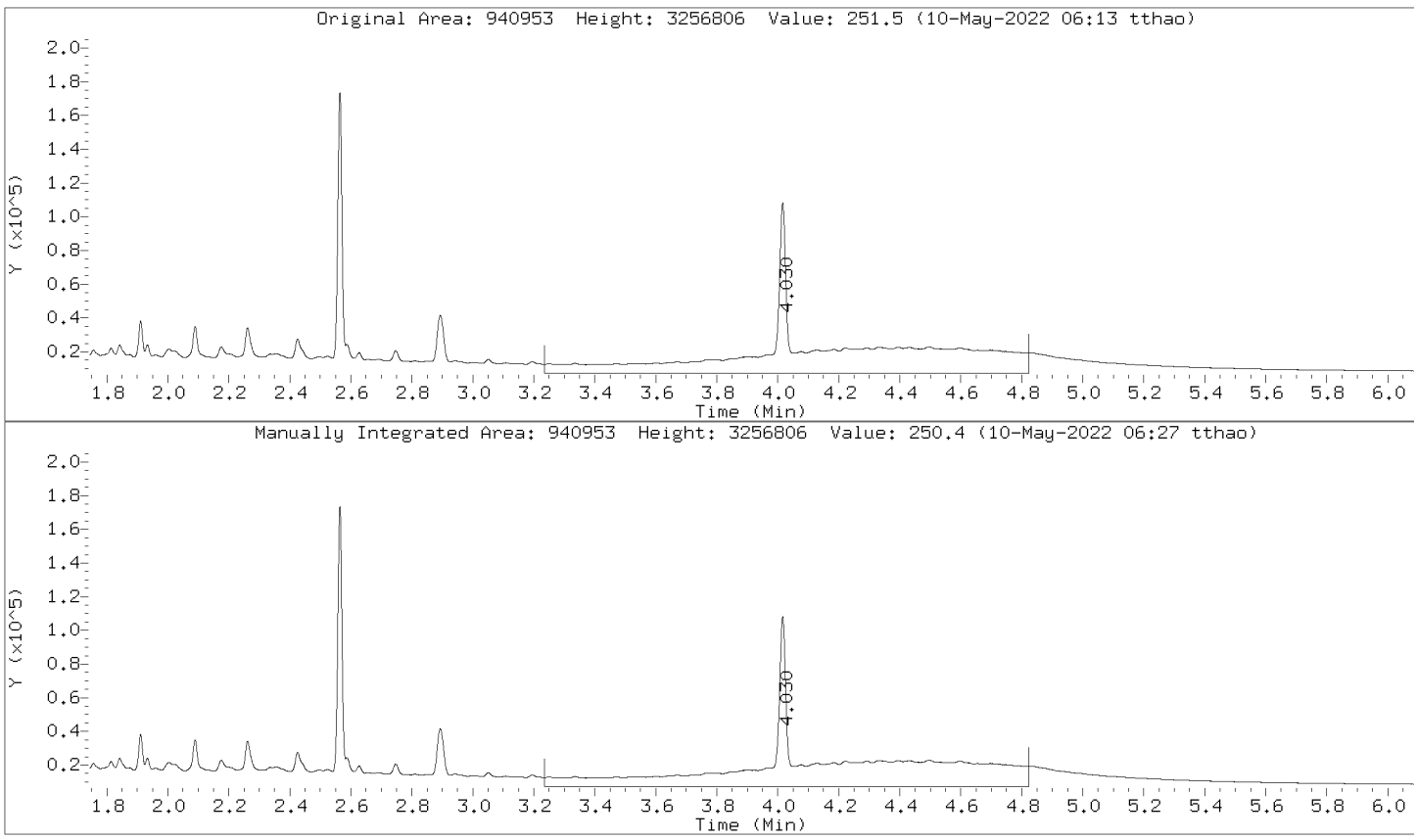
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



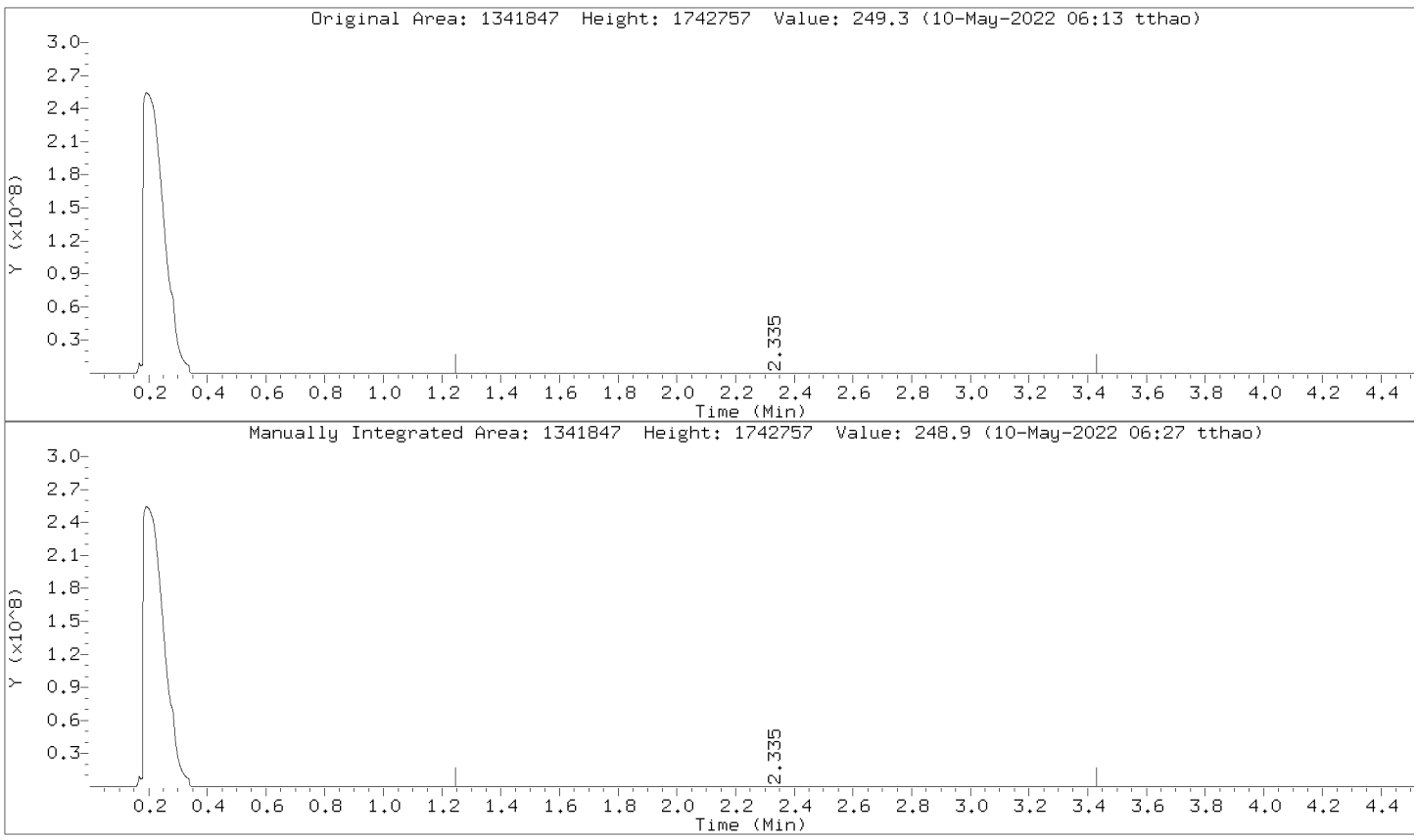
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



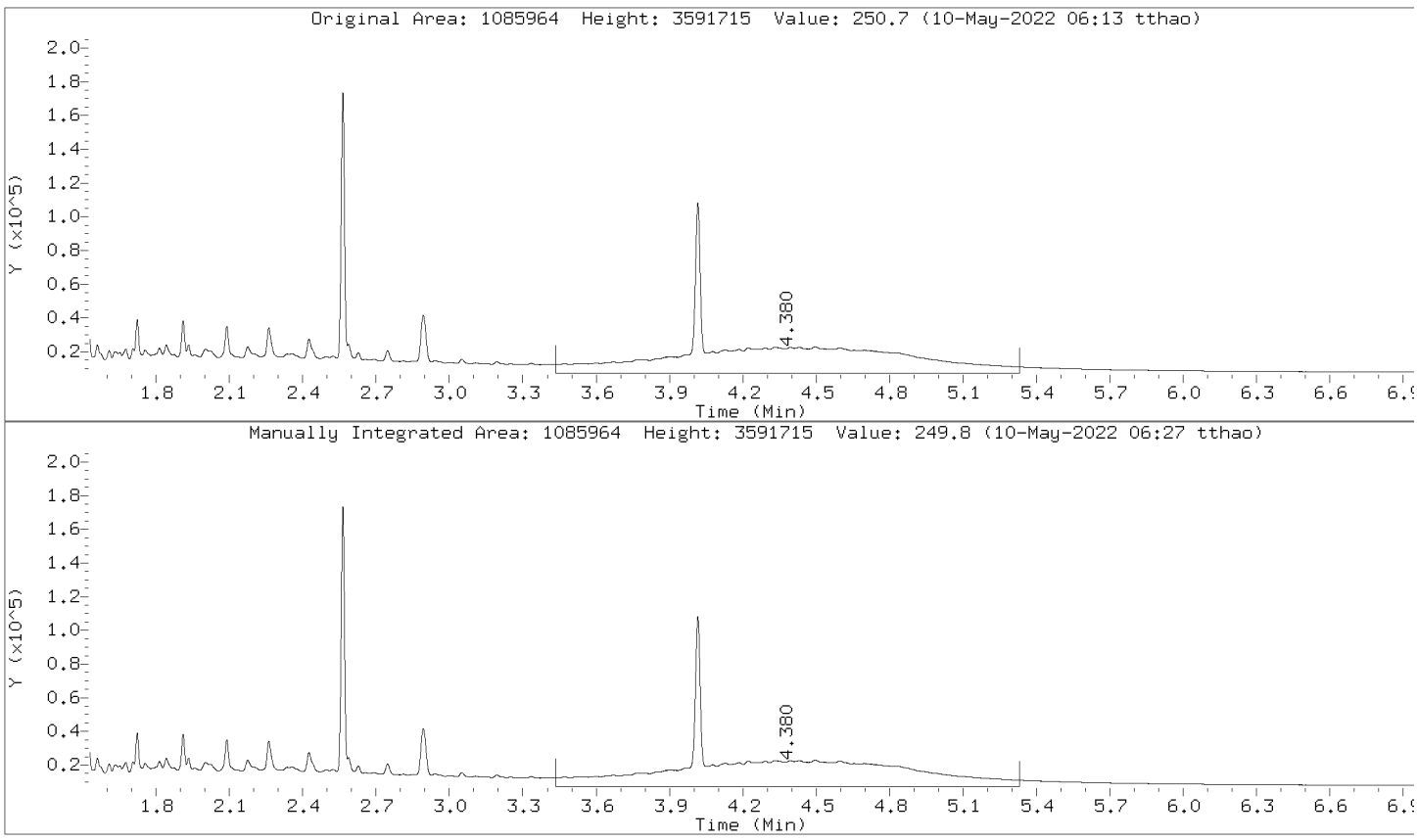
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



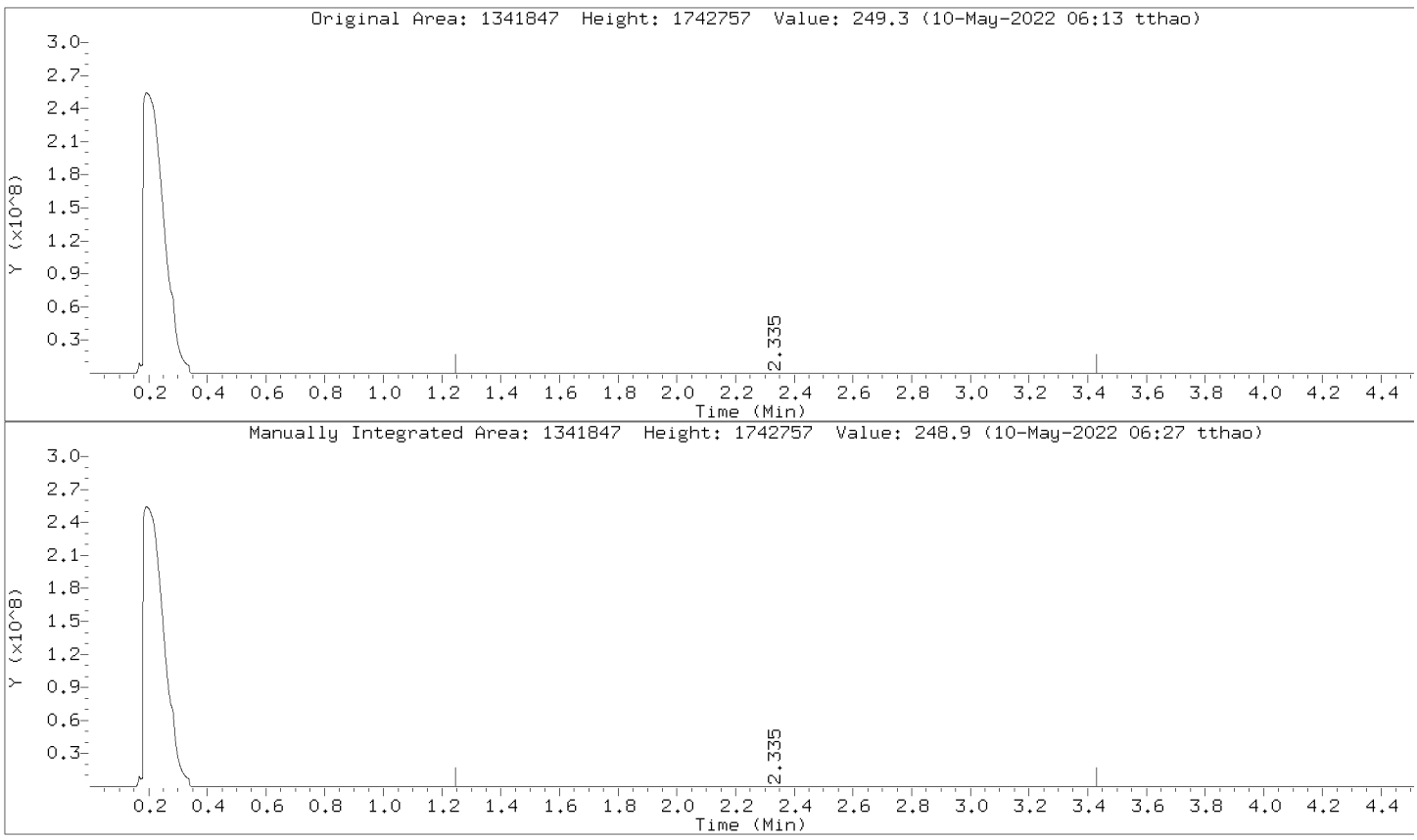
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



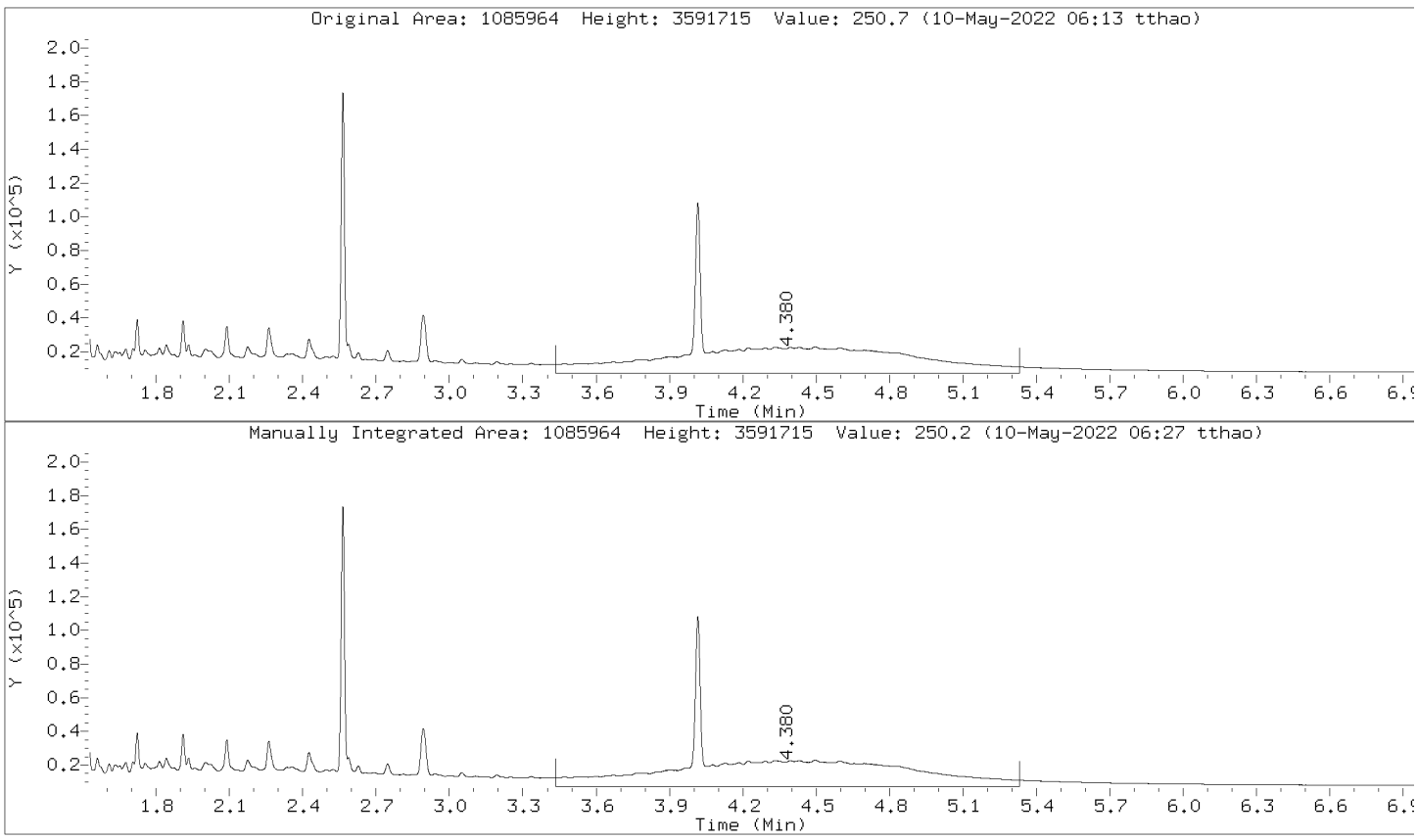
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



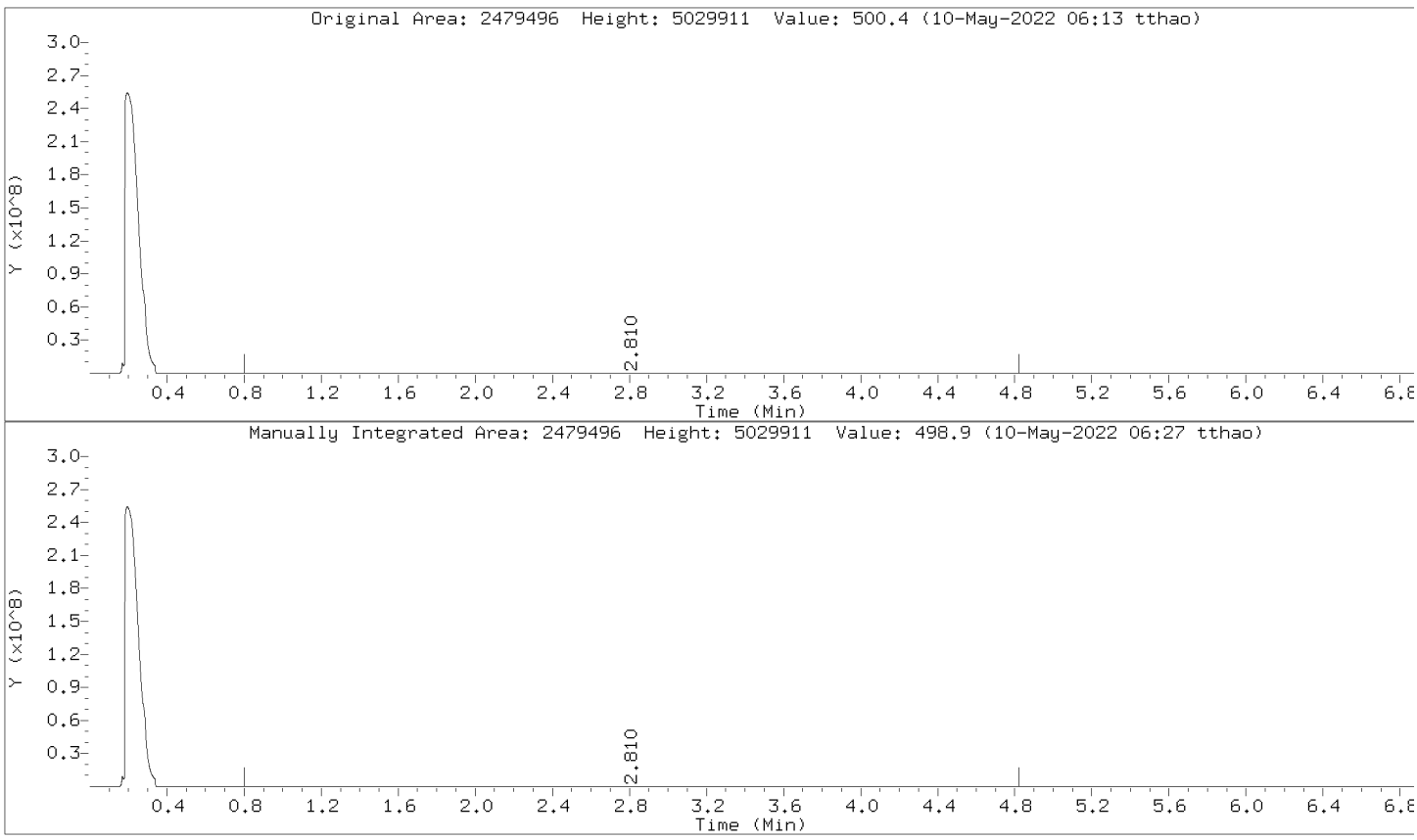
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



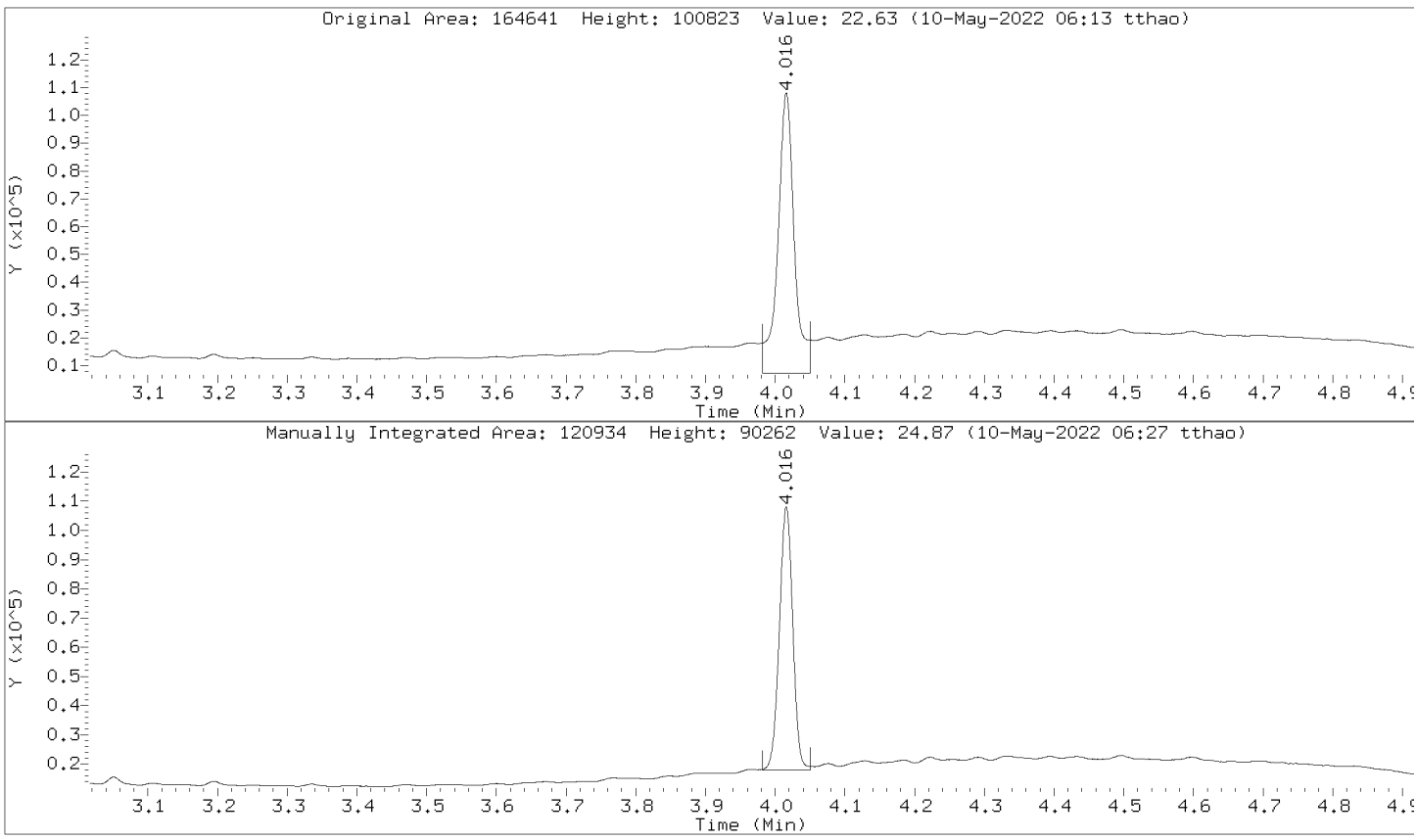
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: C10-C36 Review Code: RNG
CAS Number:



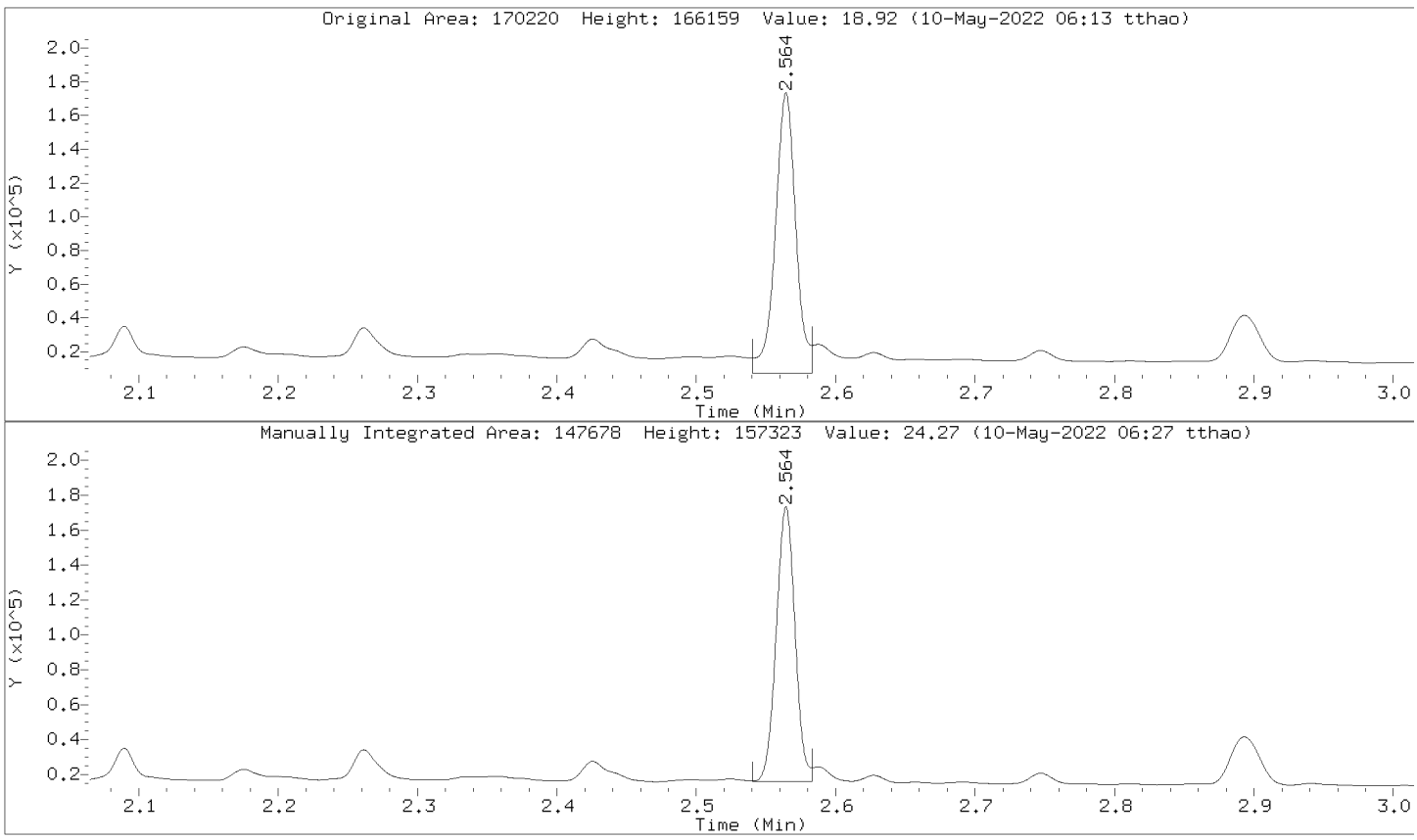
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	894979	894979
DRO by AK 102	1584516	1584516
TPH-DRO (C10-C28)	1810188	1810188
Motor Oil Range (C24-C36)	940953	940953
Diesel Fuel Range	1341847	1341847
Motor Oil Range	1085964	1085964
Diesel Fuel Range SG	1341847	1341847
Motor Oil Range SG	1085964	1085964
C10-C36	2479496	2479496
n-Triacontane (S)	164641	120934
o-Terphenyl (S)	170220	147678

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000030.D
Lab Smp Id: DMO-CAL7,364985:2 Client Smp ID: DMO-CAL7,364985:2
Inj Date : 09-MAY-2022 16:29
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal7,364985:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		2923435	500.000	508	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.565	2.565	0.000	295243	50.0000	48.5	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.017	4.017	0.000	241932	50.0000	49.7	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		1703629	500.000	502	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		3355850	500.000	507	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		1780783	500.000	502	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		4627064	1000.00	1010	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		2466345	500.000	508	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		2466345	500.000	508	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		2065434	500.000	502	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		2065434	500.000	502	(M)	RNG

QC Flag Legend

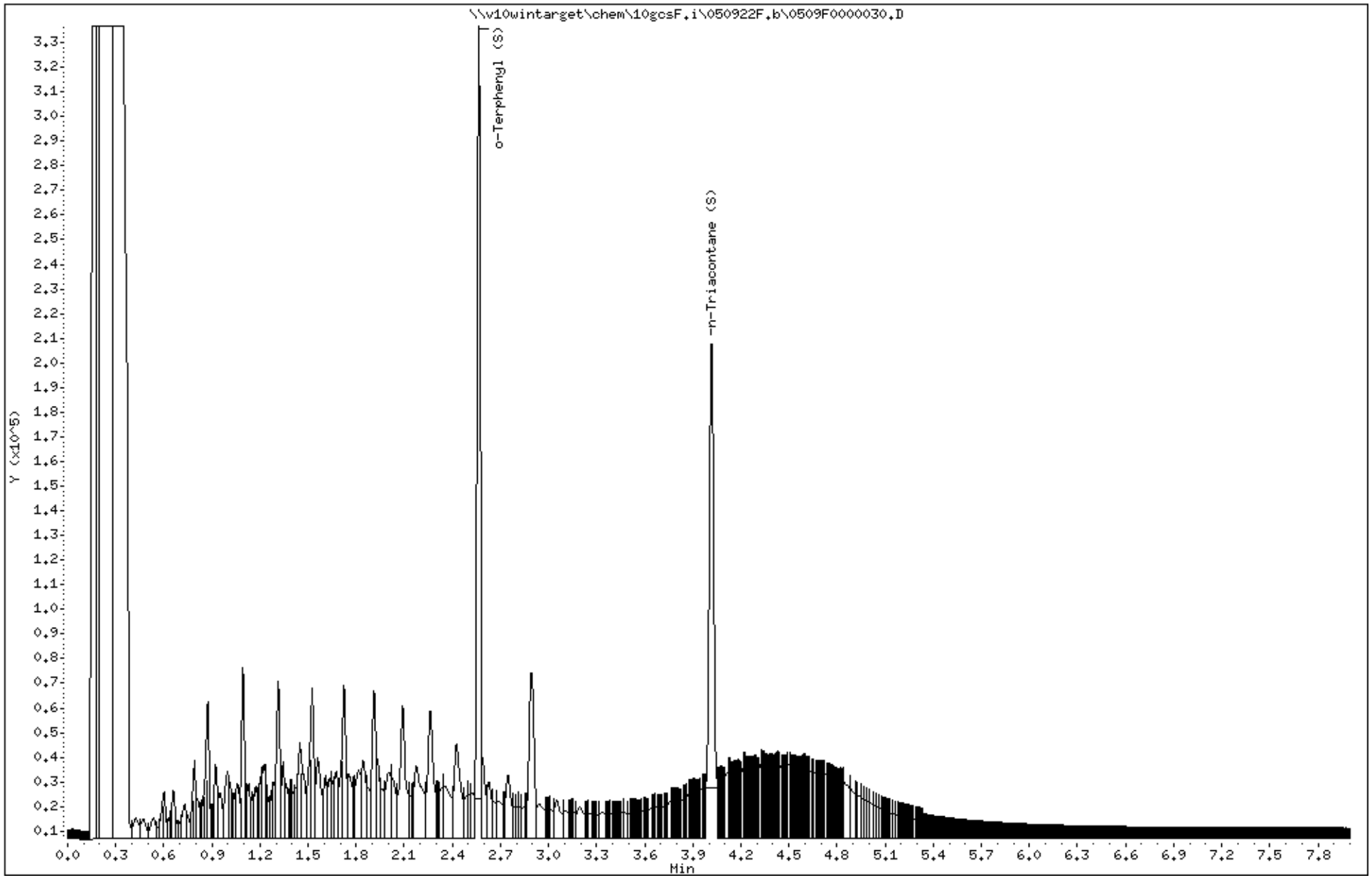
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000030.D
Date : 09-MAY-2022 16:29
Client ID: DMO-CAL7,364985:2
Sample Info: DMO-CAL7,364985:2

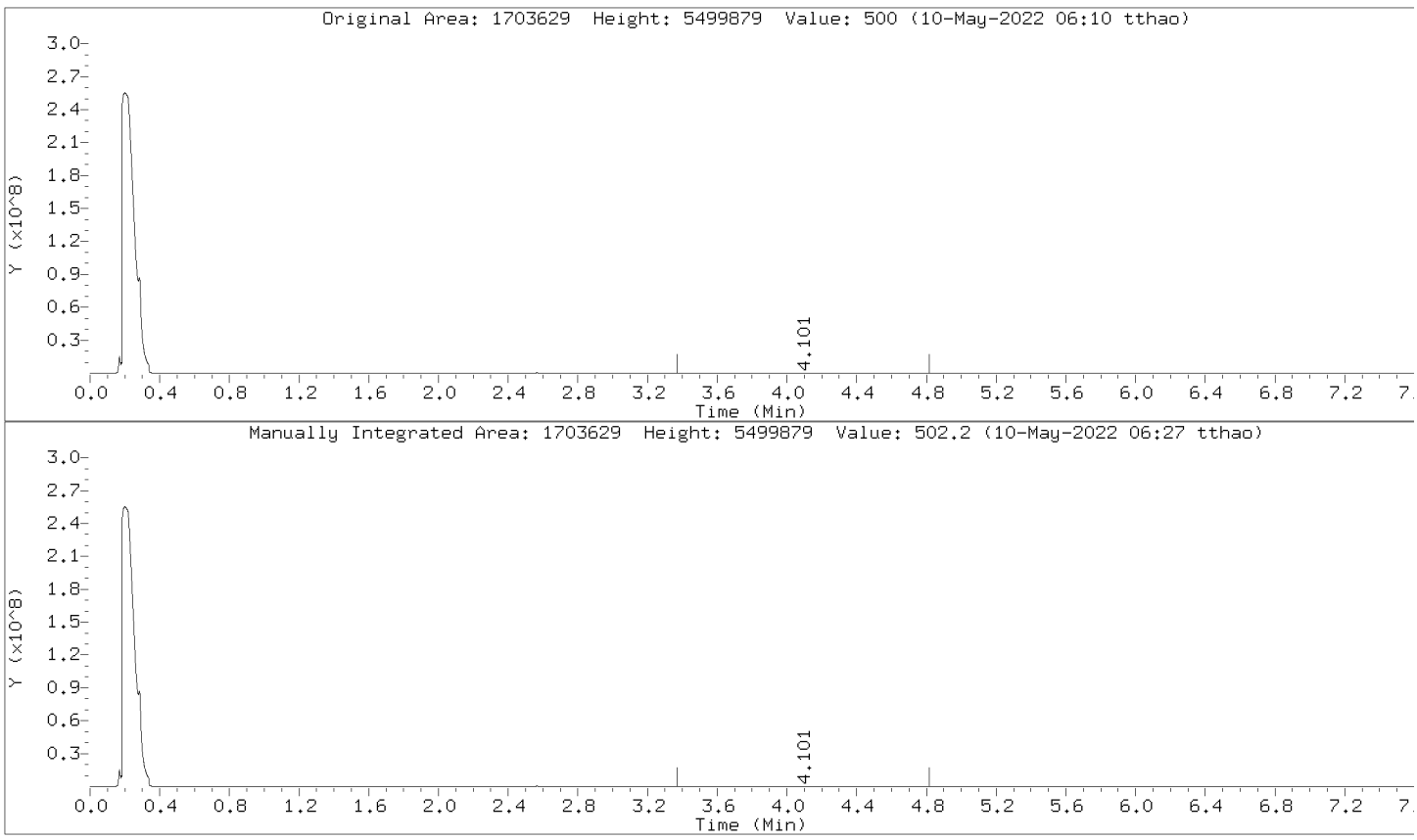
Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



362 of 1320
290 of 777
10606395

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



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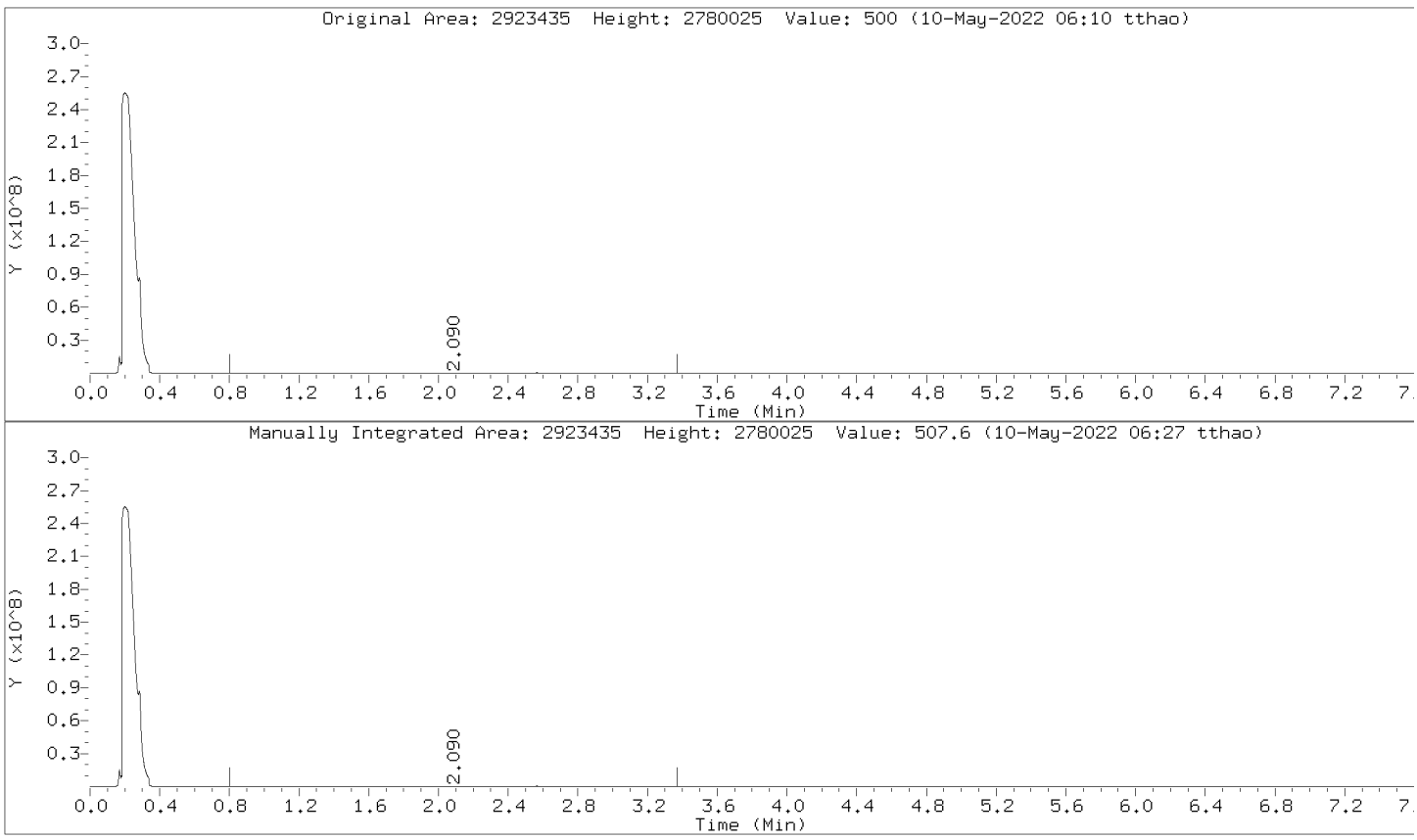
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



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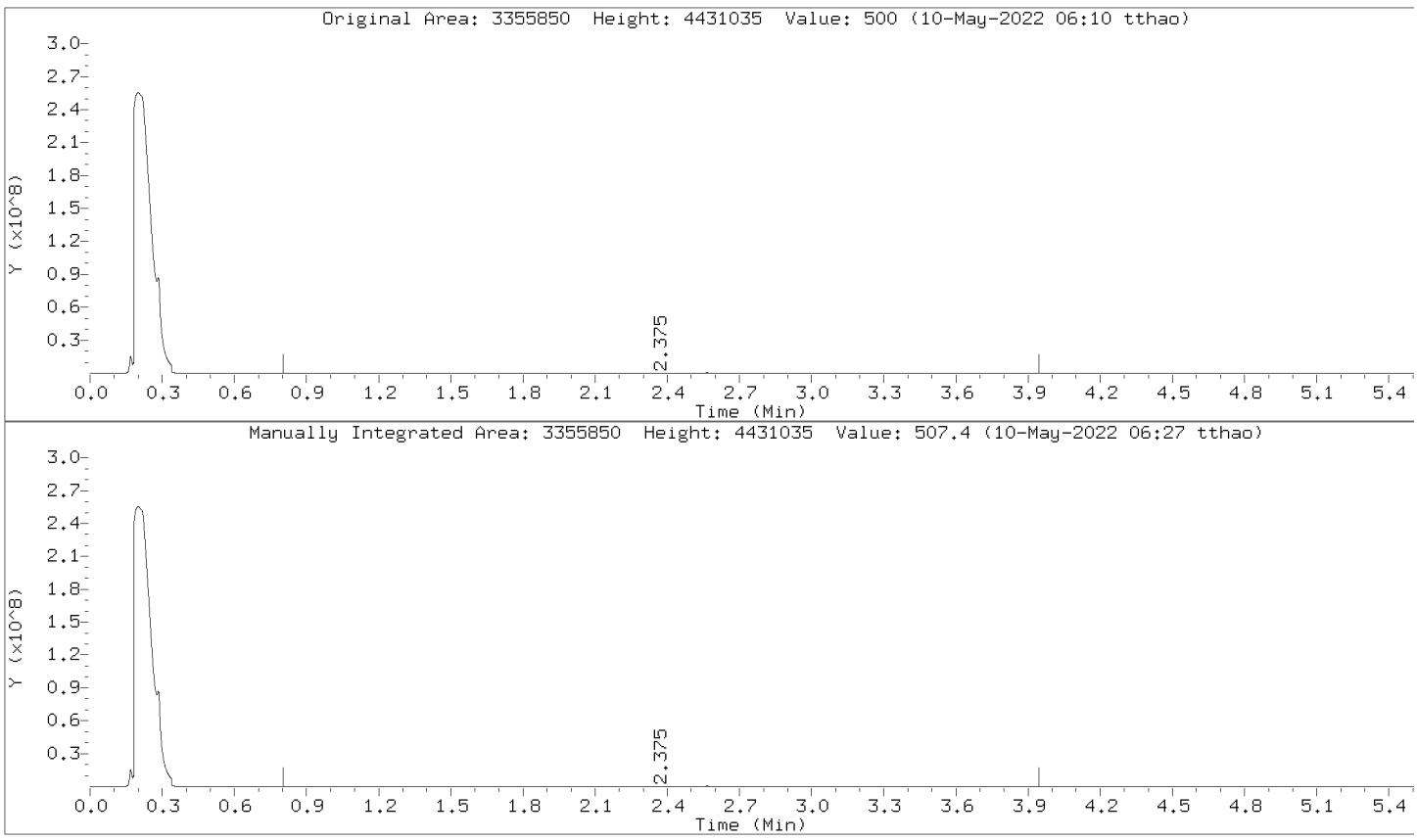
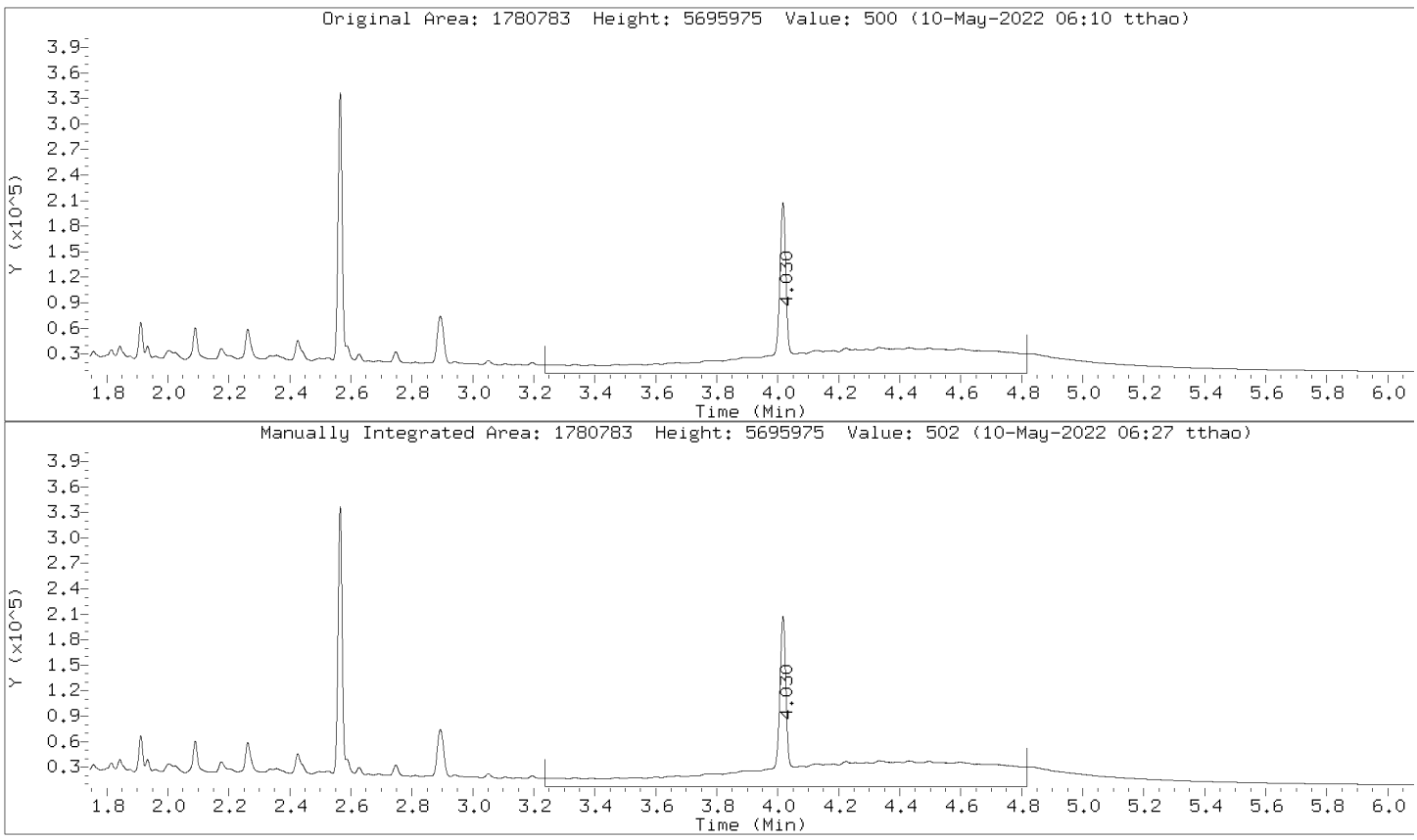
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



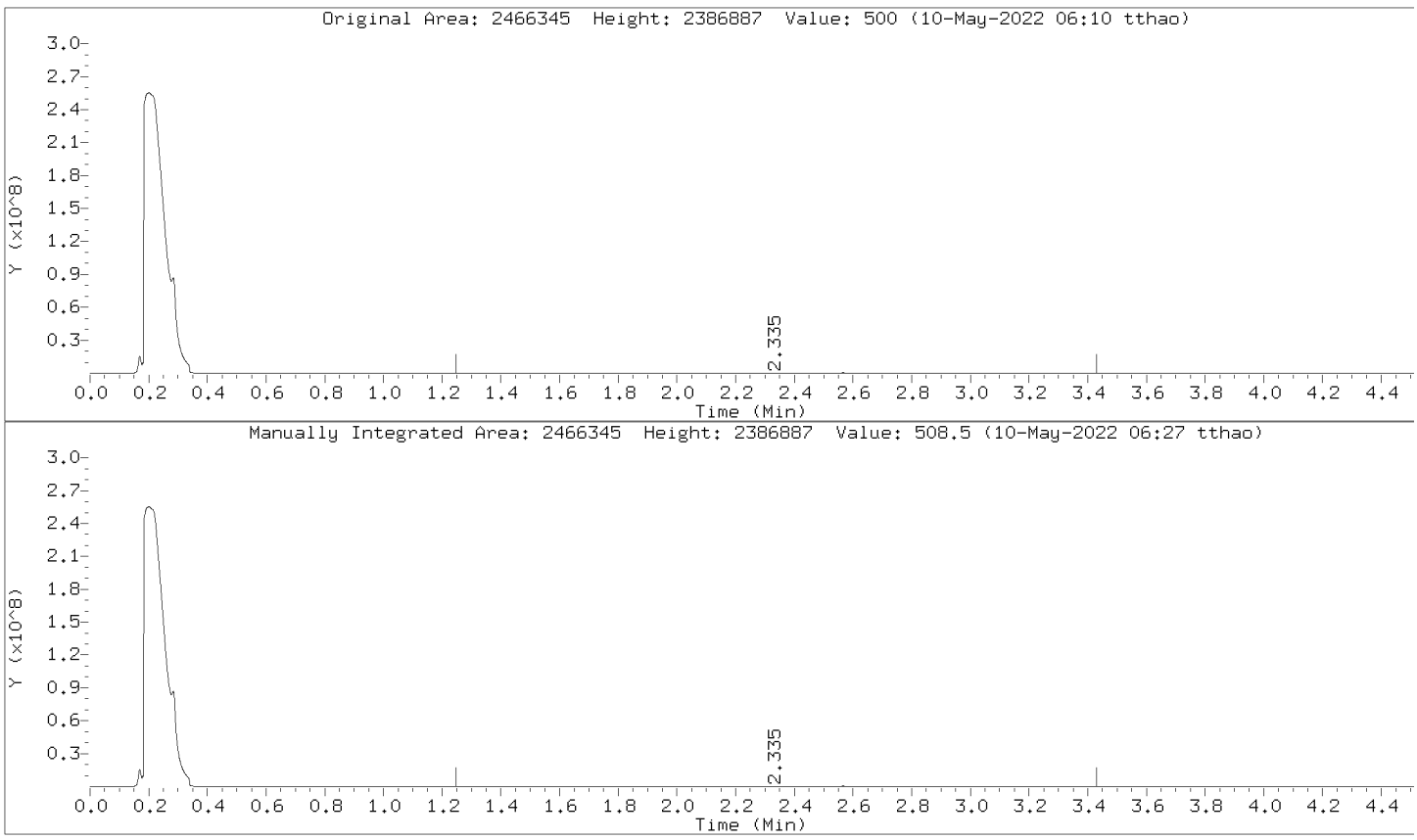
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



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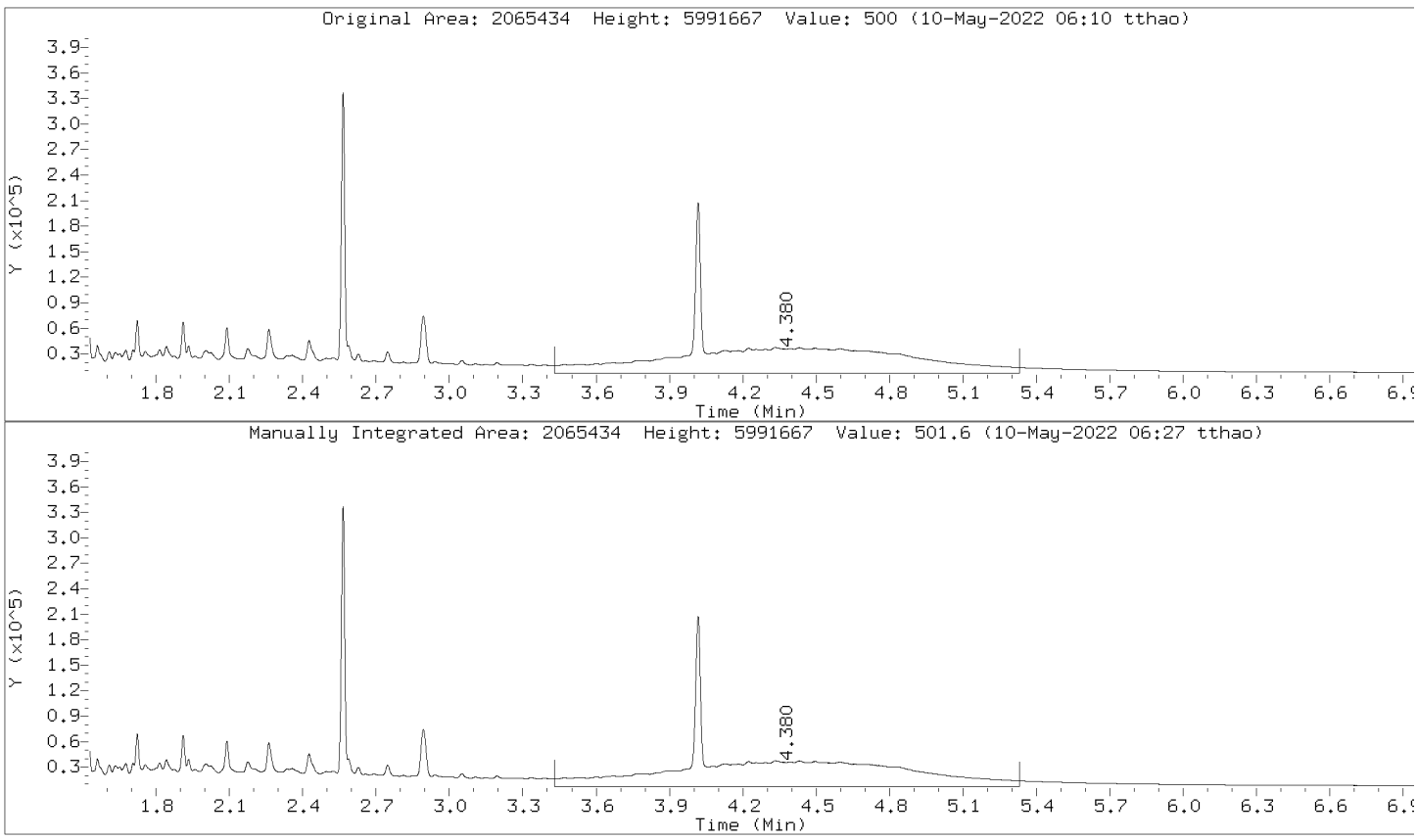
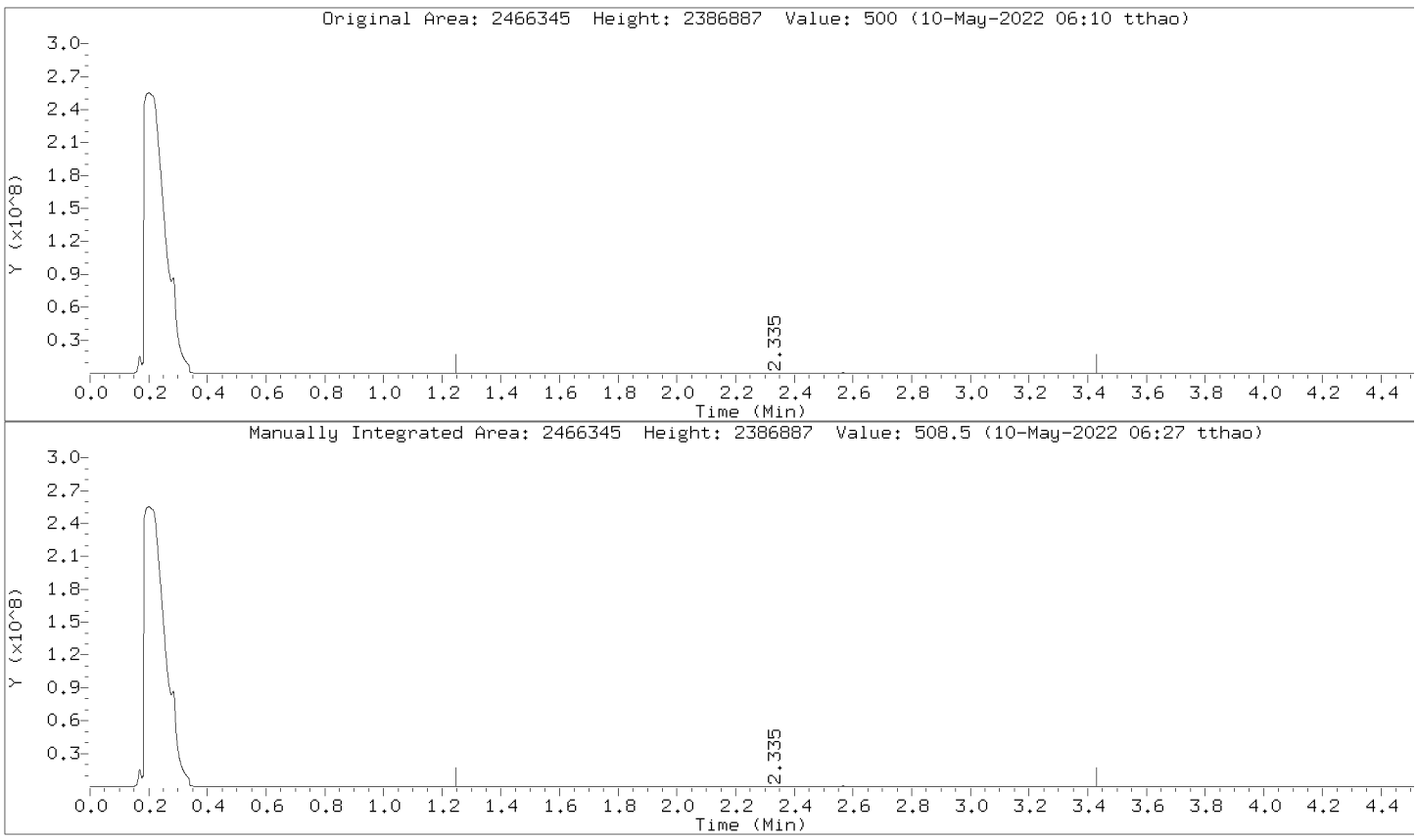
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



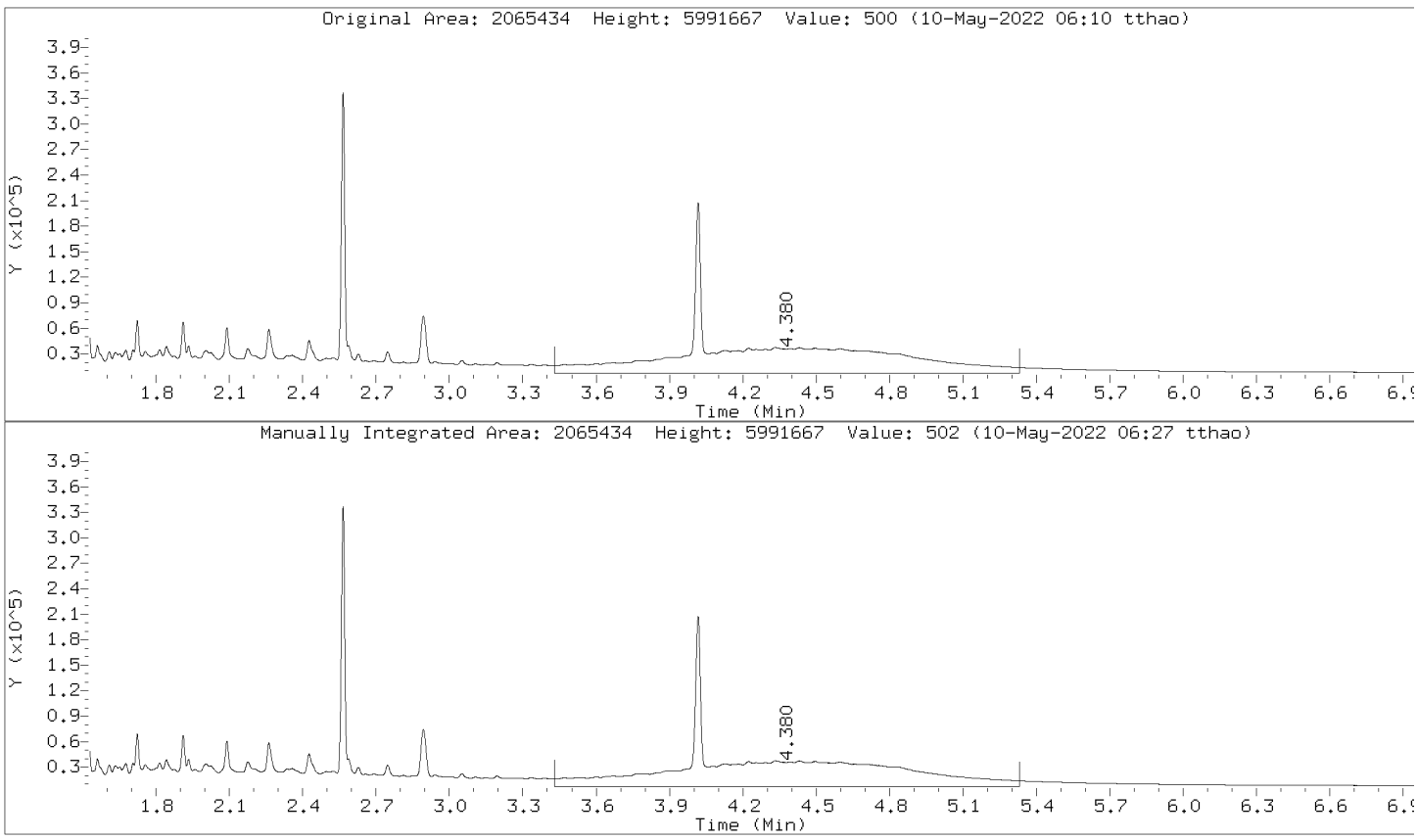
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



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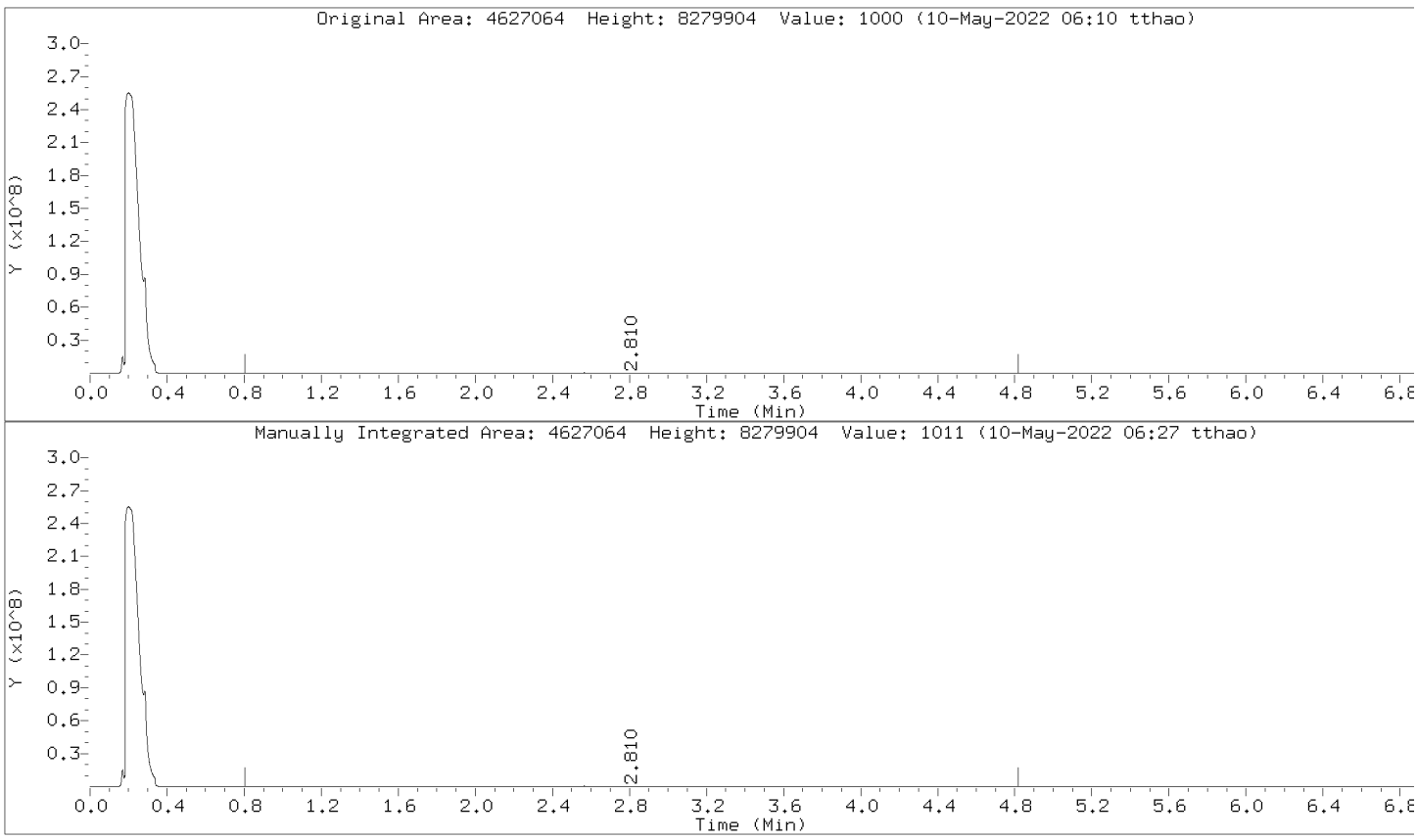
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: C10-C36 Review Code: RNG
CAS Number:



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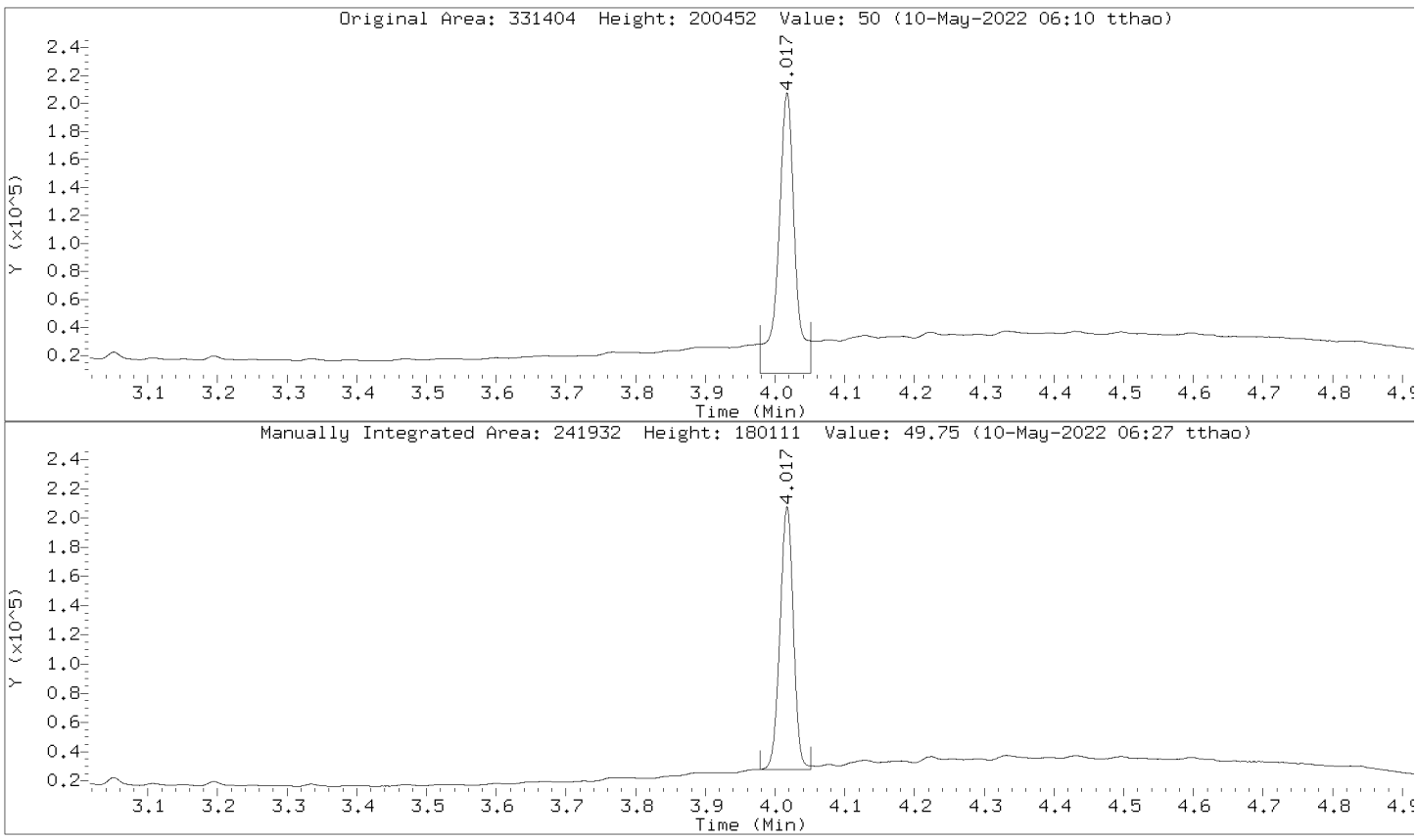
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



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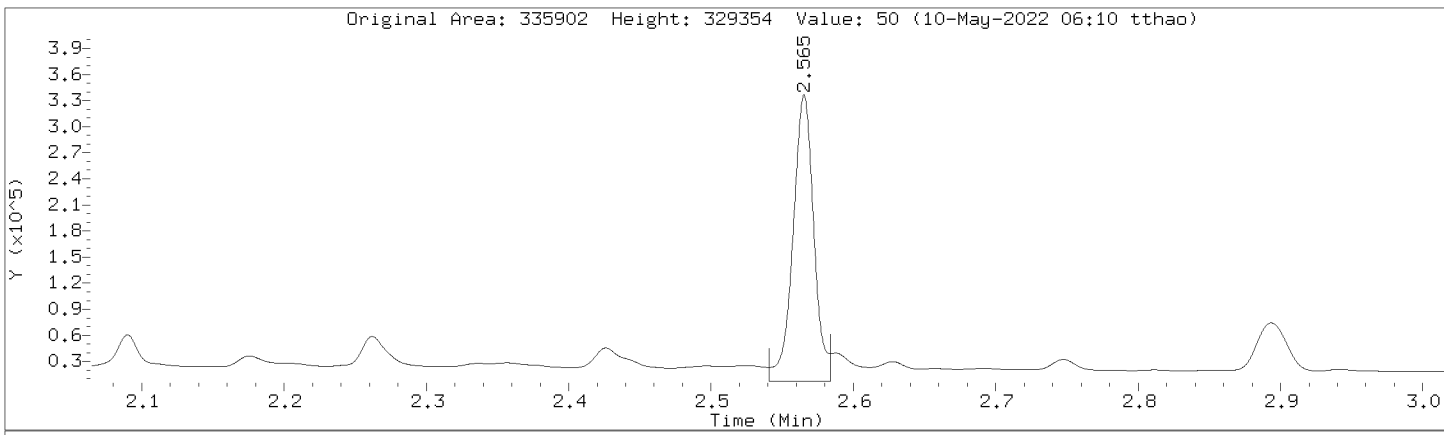
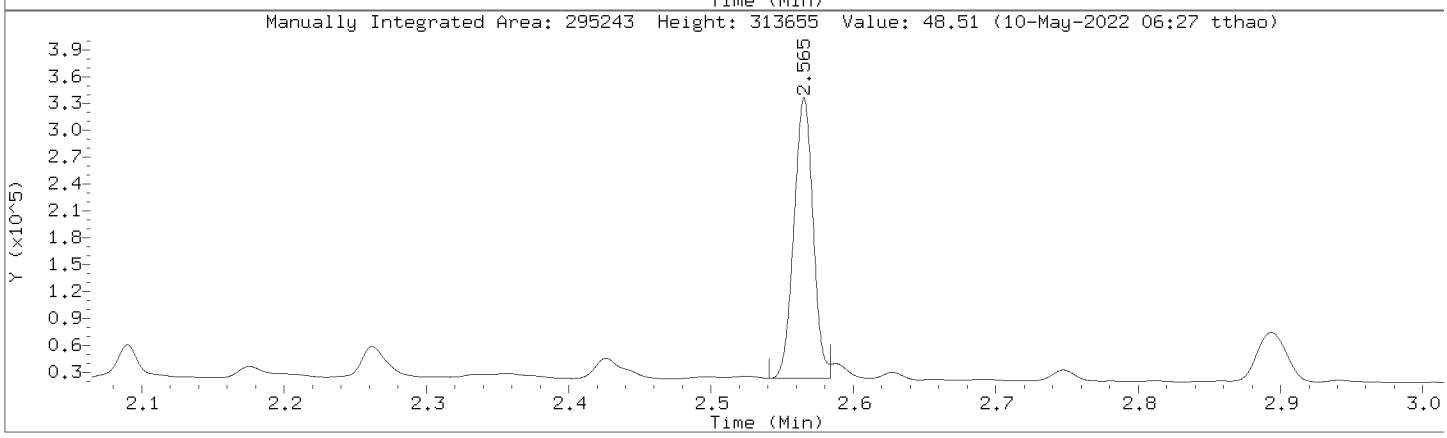
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:





Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1703629	1703629
DRO by AK 102	2923435	2923435
TPH-DRO (C10-C28)	3355850	3355850
Motor Oil Range (C24-C36)	1780783	1780783
Diesel Fuel Range	2466345	2466345
Motor Oil Range	2065434	2065434
Diesel Fuel Range SG	2466345	2466345
Motor Oil Range SG	2065434	2065434
C10-C36	4627064	4627064
n-Triacontane (S)	331404	241932
o-Terphenyl (S)	335902	295243

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000031.D
Lab Smp Id: DMO-CAL8,364986:2 Client Smp ID: DMO-CAL8,364986:2
Inj Date : 09-MAY-2022 16:41
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal8,364986:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 10 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)		REVIEW CODE	
S 1 DRO by AK 102					CAS #:			
0.800	- 3.380		5582380	1000.00	1020		(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:			
2.566	2.565	0.001	588897	100.000	96.8		(M)	BA
$ 3 n-Triacontane (S)					CAS #:			
4.019	4.017	0.002	483352	100.000	99.4		(M)	BA
S 4 Residual Range Organics AK103					CAS #:			
3.381	- 4.820		3317081	1000.00	1000		(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:			
0.800	- 3.950		6405840	1000.00	1020		(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:			
3.240	- 4.820		3460735	1000.00	1000		(M)	RNG
S 7 C10-C36					CAS #:			
0.800	- 4.820		8899462	2000.00	2030		(M)	RNG
S 8 Diesel Fuel Range					CAS #:			
1.240	- 3.430		4693570	1000.00	1020		(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:			
1.240	- 3.430		4693570	1000.00	1020		(M)	RNG
S 10 Motor Oil Range					CAS #:			
3.431	- 5.330		3996918	1000.00	998		(M)	RNG
S 11 Motor Oil Range SG					CAS #:			
3.431	- 5.330		3996918	1000.00	998		(M)	RNG

QC Flag Legend

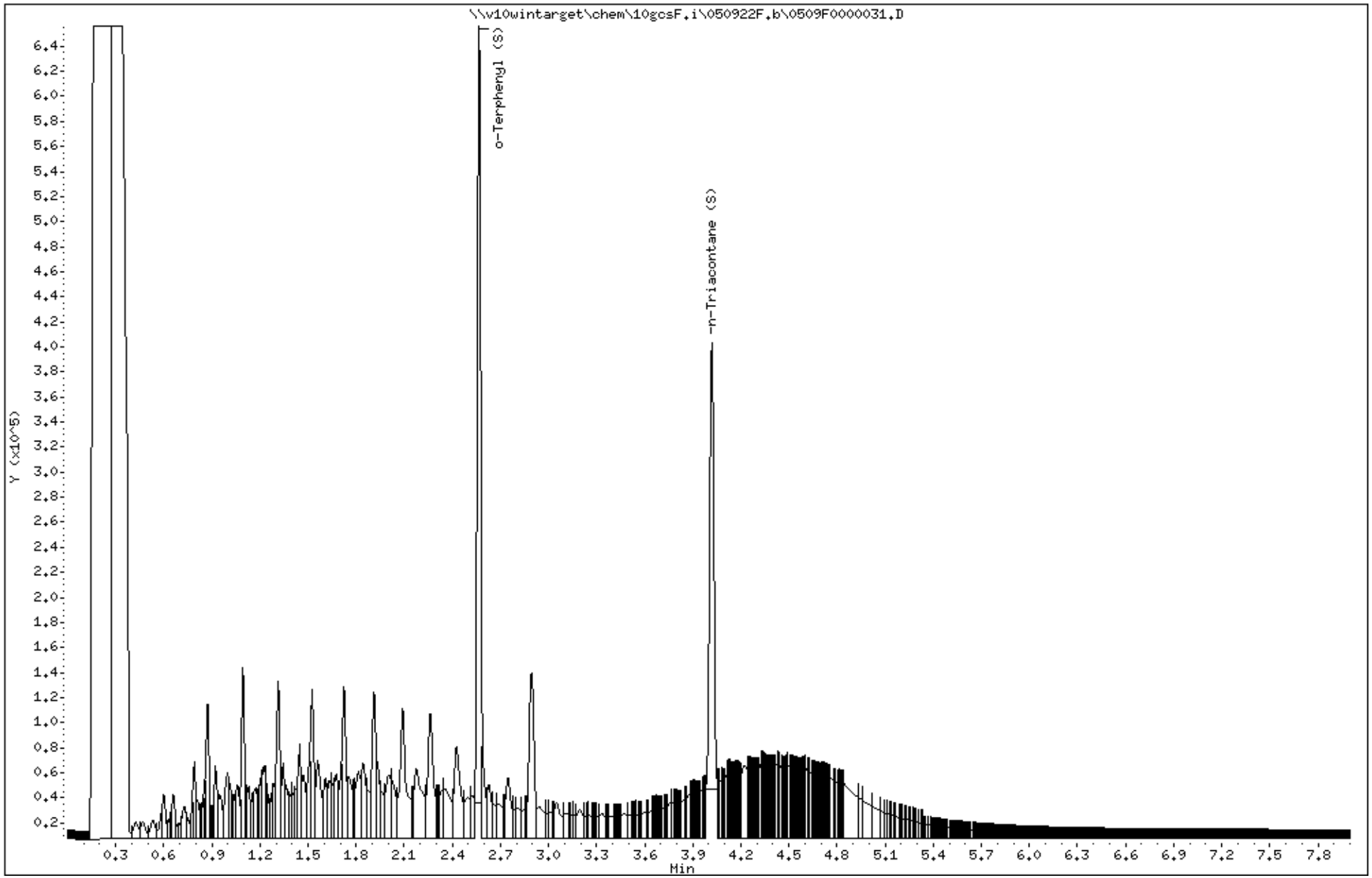
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

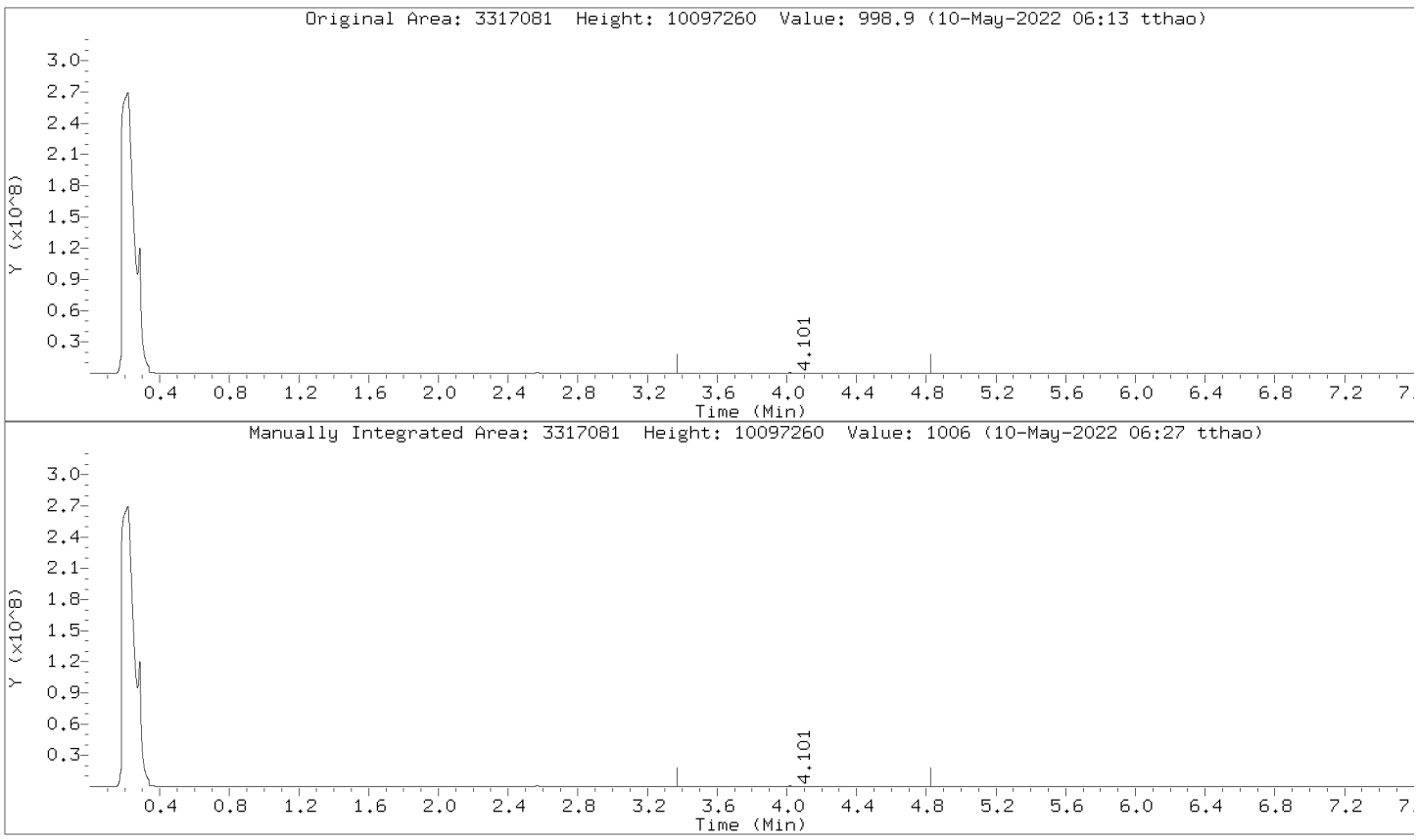
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000031.D
Date : 09-MAY-2022 16:41
Client ID: DMO-CAL8,364986:2
Sample Info: DMO-CAL8,364986:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



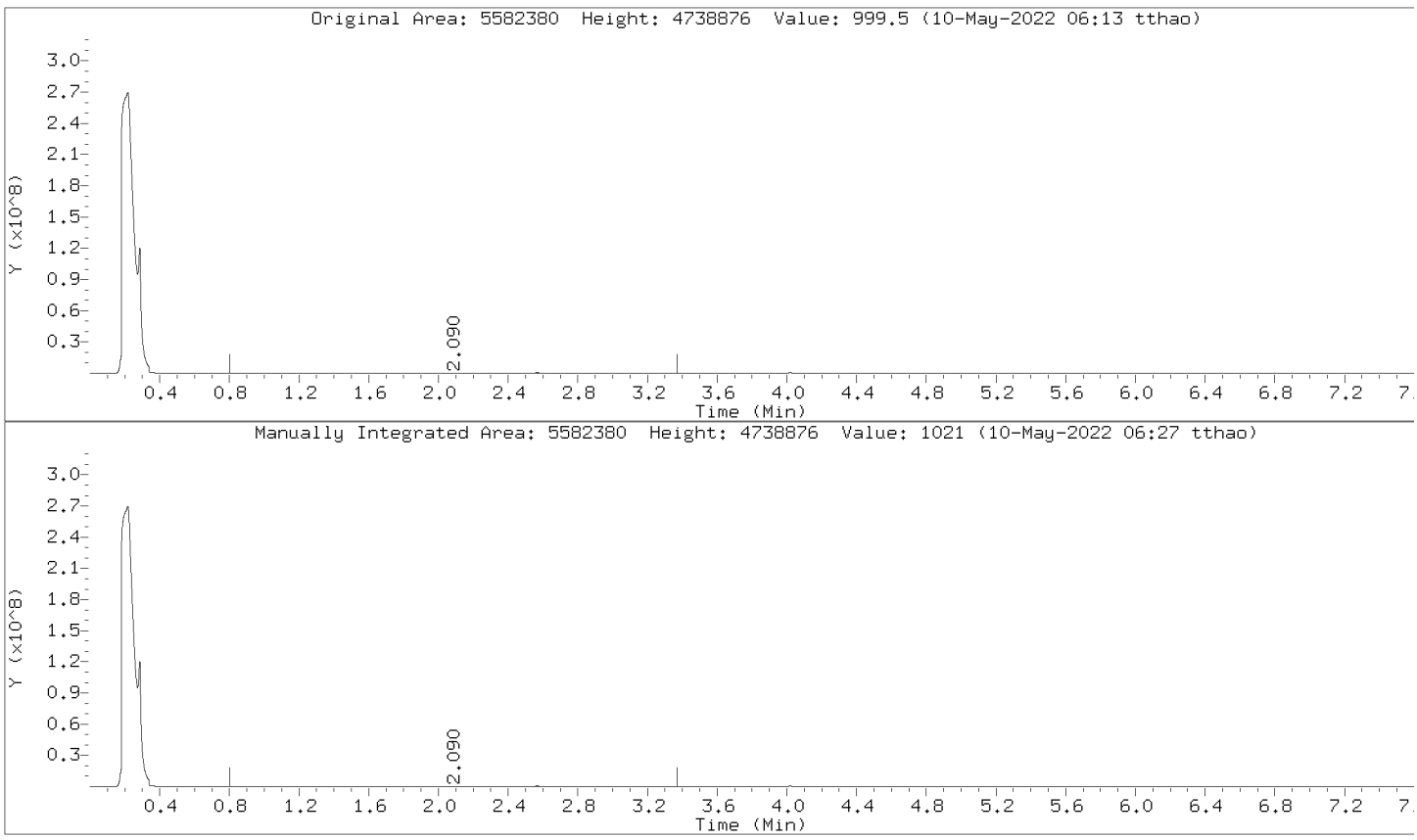
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



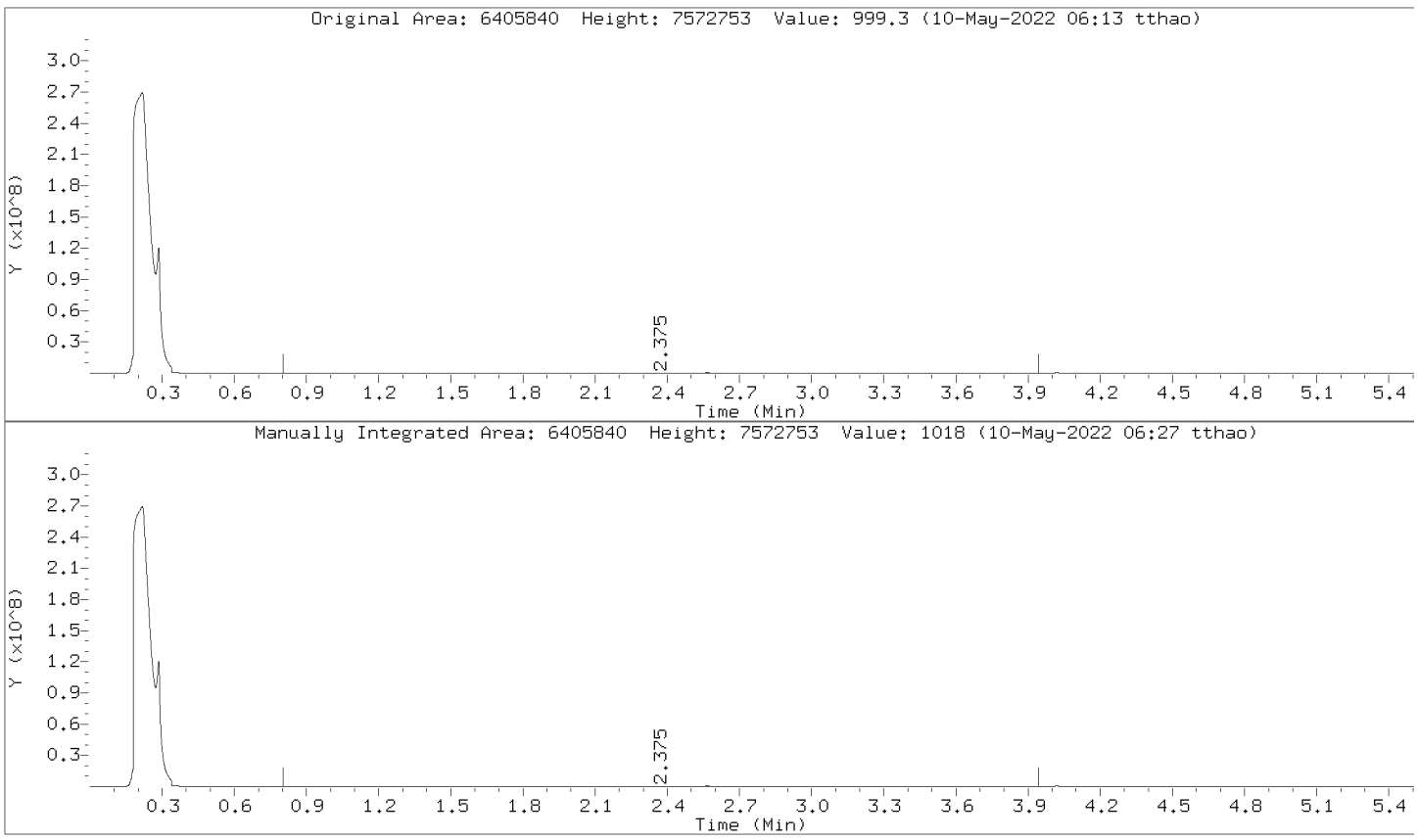
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



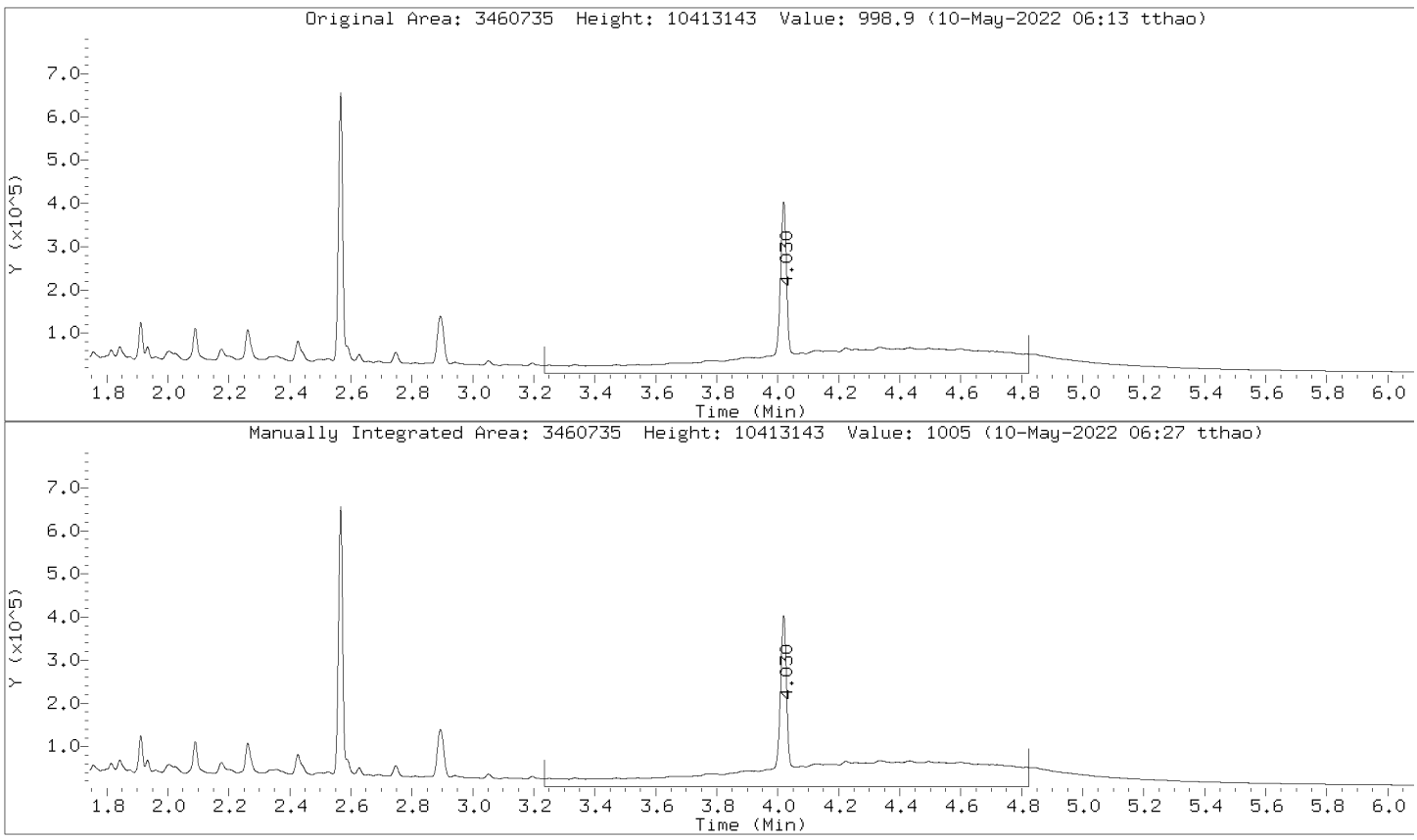
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



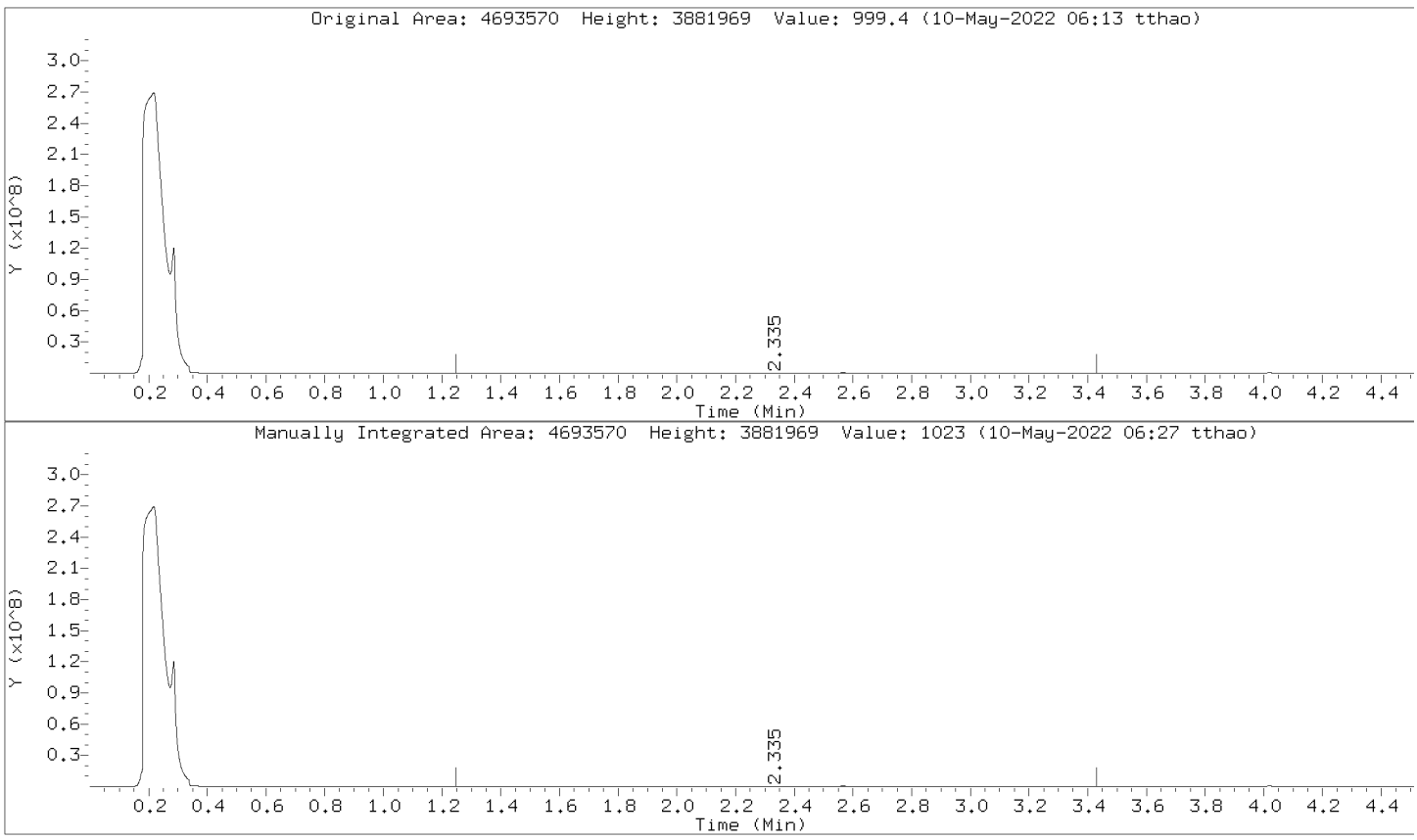
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



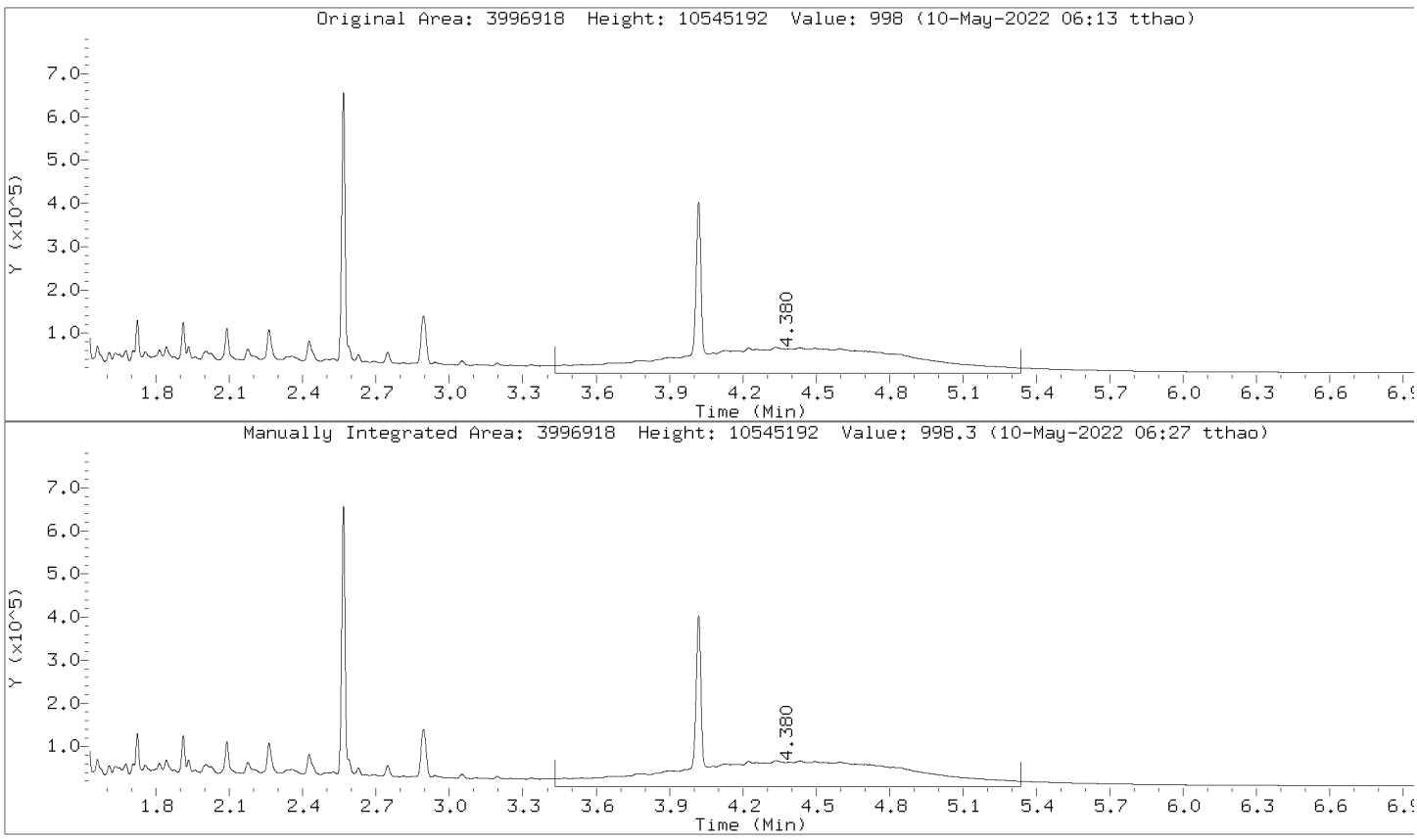
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



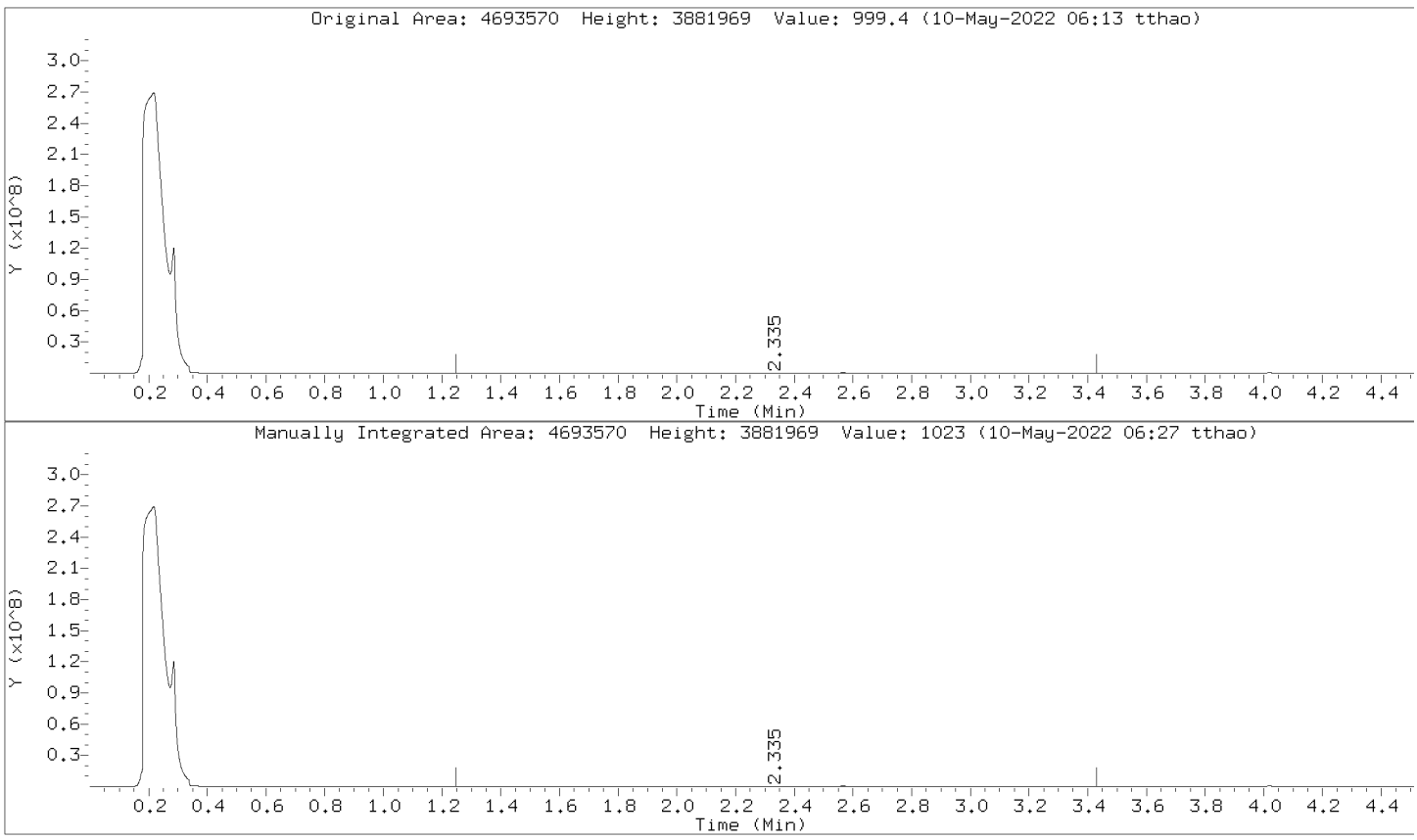
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



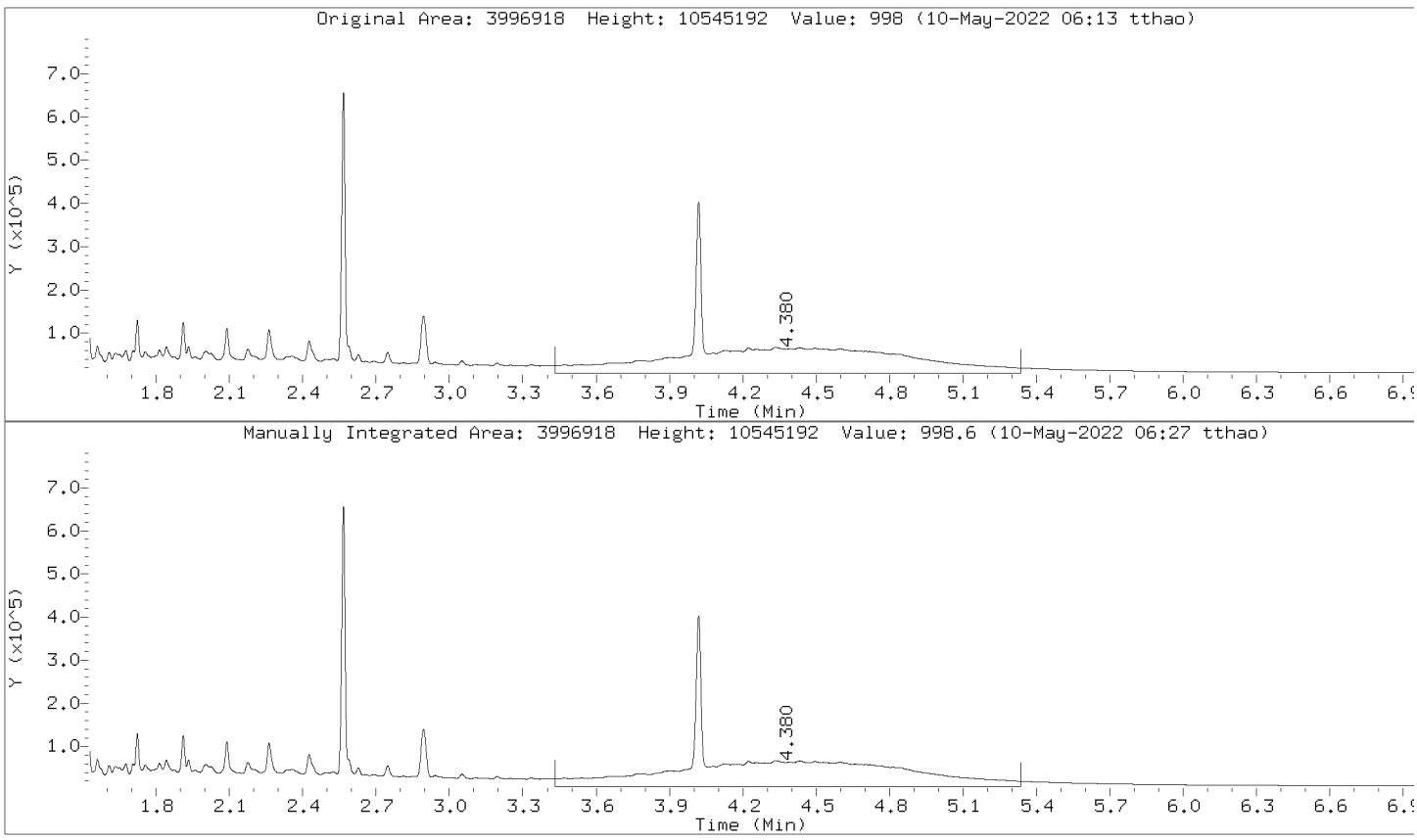
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



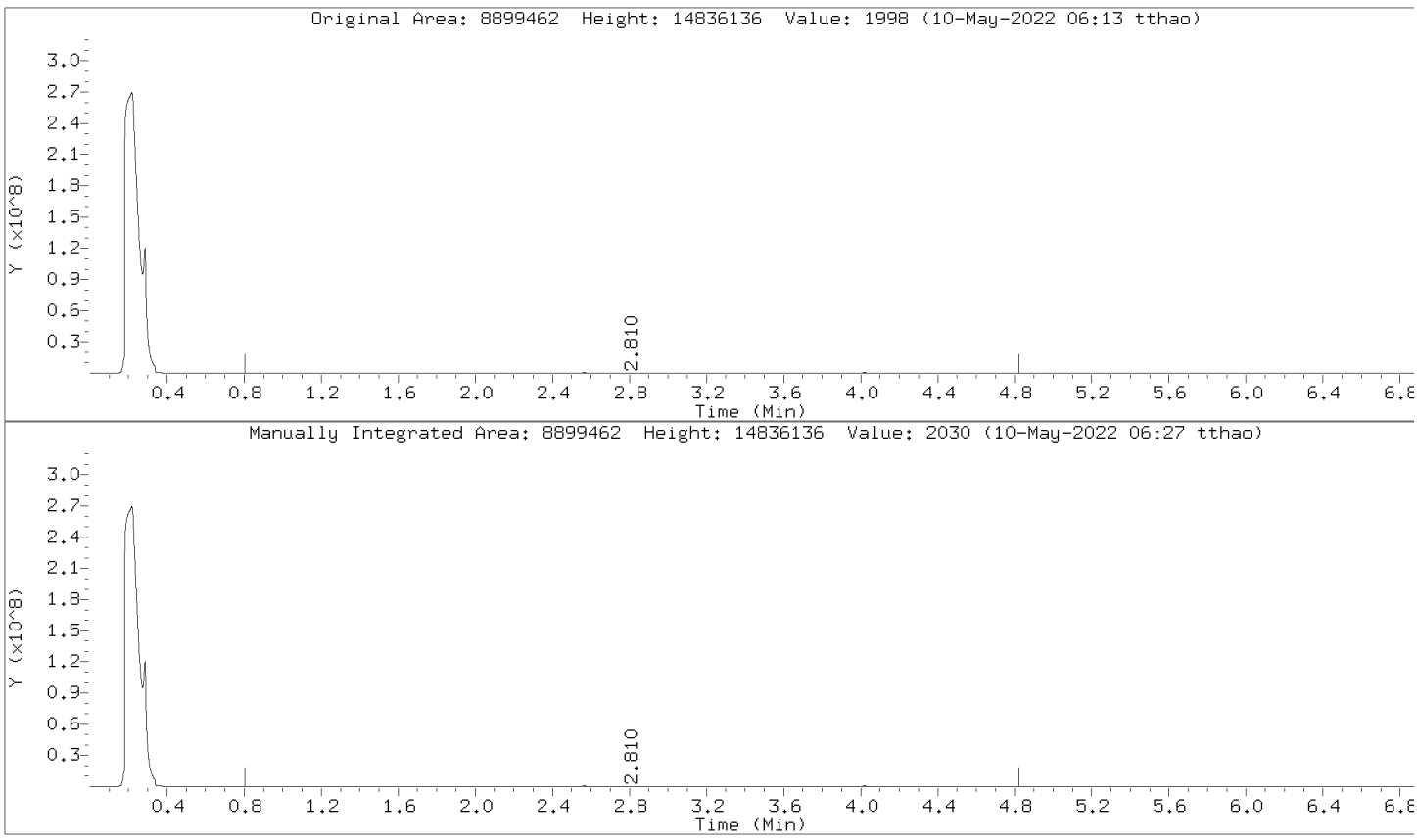
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



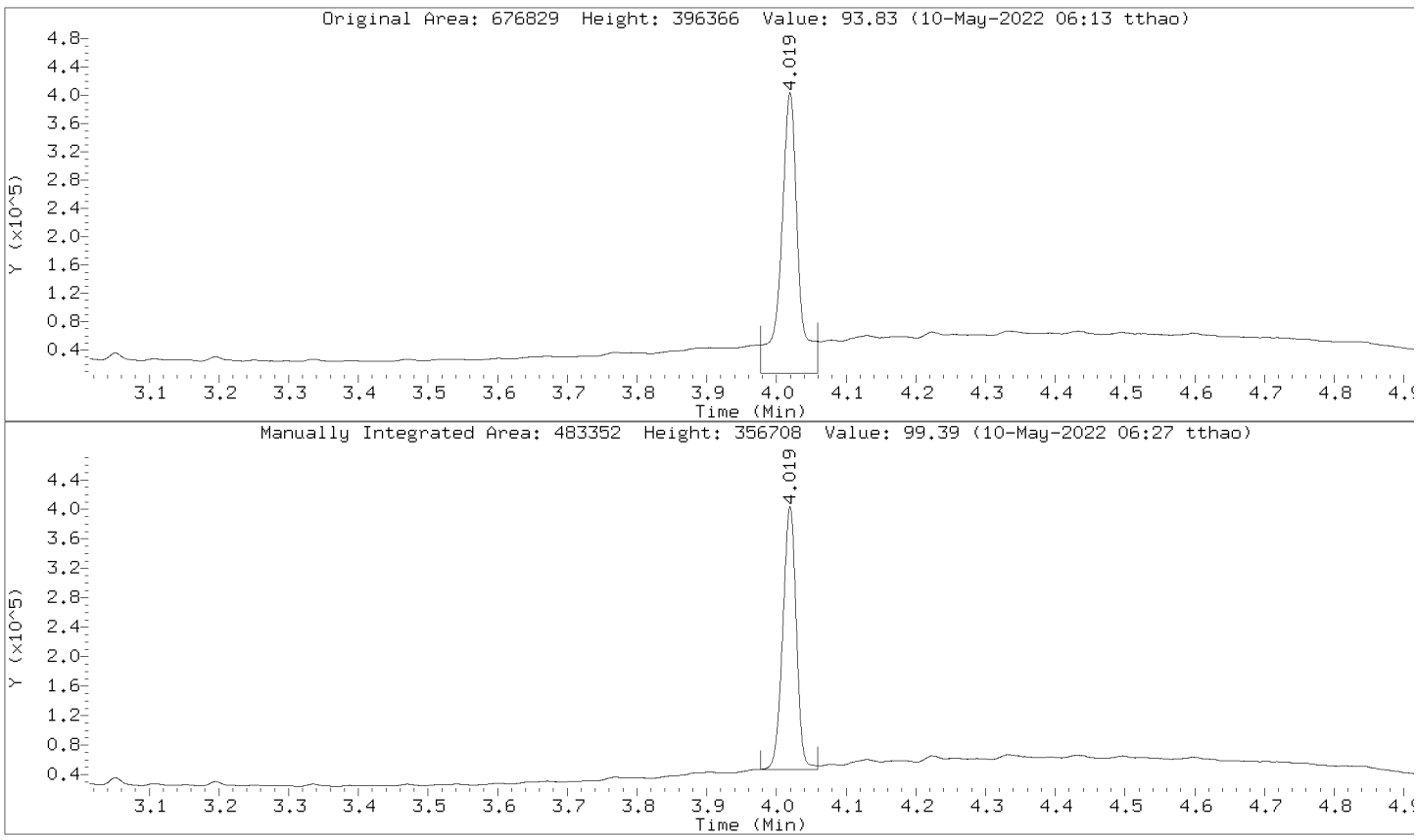
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: C10-C36 Review Code: RNG
CAS Number:



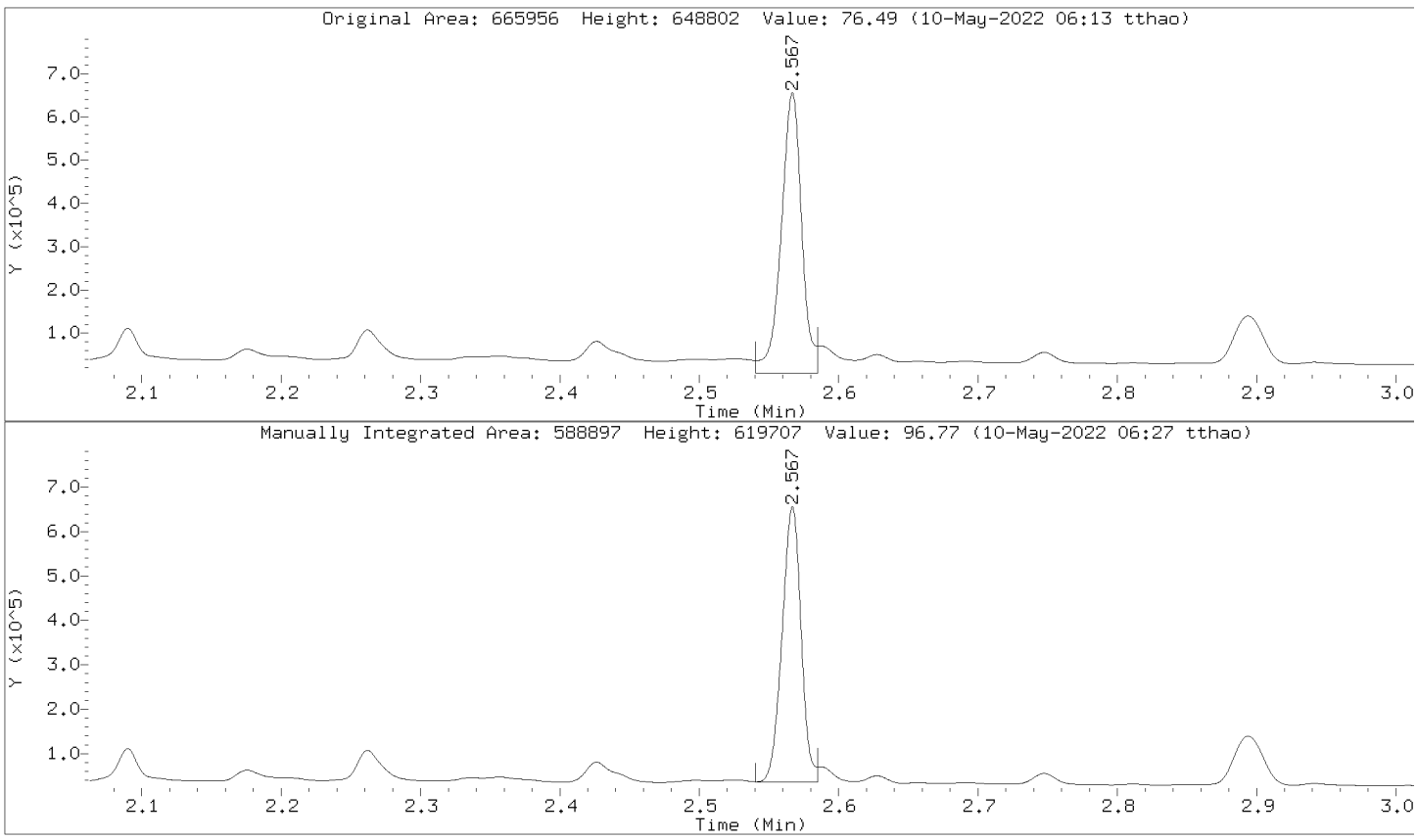
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	3317081	3317081
DRO by AK 102	5582380	5582380
TPH-DRO (C10-C28)	6405840	6405840
Motor Oil Range (C24-C36)	3460735	3460735
Diesel Fuel Range	4693570	4693570
Motor Oil Range	3996918	3996918
Diesel Fuel Range SG	4693570	4693570
Motor Oil Range SG	3996918	3996918
C10-C36	8899462	8899462
n-Triacontane (S)	676829	483352
o-Terphenyl (S)	665956	588897

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000032.D
Lab Smp Id: DMO-CAL9,364987:2 Client Smp ID: DMO-CAL9,364987:2
Inj Date : 09-MAY-2022 16:53
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal9,364987:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 11 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

				AMOUNTS				
					CAL-AMT	ON-COL		
	RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S	1 DRO by AK 102					CAS #:		
	0.800 - 3.380			10708209	2000.00	2010	(M)	RNG
$	2 o-Terphenyl (S)					CAS #:		
	2.570	2.565	0.005	1218261	200.000	200	(M)	BA
$	3 n-Triacontane (S)					CAS #:		
	4.023	4.017	0.006	949227	200.000	195	(M)	BA
S	4 Residual Range Organics AK103					CAS #:		
	3.381 - 4.820			6584732	2000.00	2020	(M)	RNG
S	5 TPH-DRO (C10-C28)					CAS #:		
	0.800 - 3.950			12324573	2000.00	2010	(M)	RNG
S	6 Motor Oil Range (C24-C36)					CAS #:		
	3.240 - 4.820			6862239	2000.00	2020	(M)	RNG
S	7 C10-C36					CAS #:		
	0.800 - 4.820			17292941	4000.00	4030	(M)	RNG
S	8 Diesel Fuel Range					CAS #:		
	1.240 - 3.430			8970491	2000.00	2010	(M)	RNG
S	9 Diesel Fuel Range SG					CAS #:		
	1.240 - 3.430			8970491	2000.00	2010	(M)	RNG
S	10 Motor Oil Range					CAS #:		
	3.431 - 5.330			8005827	2000.00	2030	(M)	RNG
S	11 Motor Oil Range SG					CAS #:		
	3.431 - 5.330			8005827	2000.00	2030	(M)	RNG

QC Flag Legend

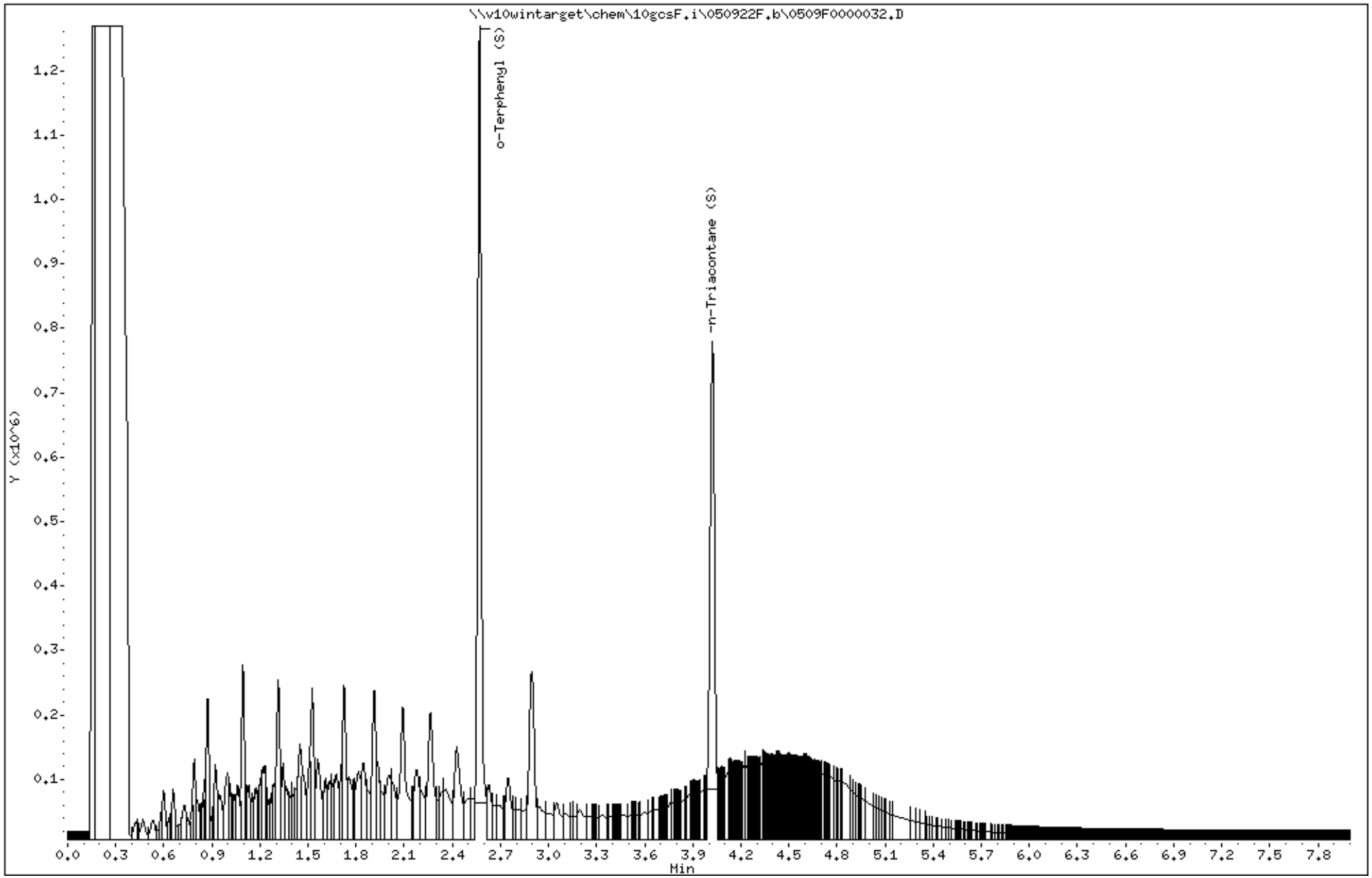
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000032.D
Date : 09-MAY-2022 16:53
Client ID: DMO-CAL9,364987:2
Sample Info: DMO-CAL9,364987:2

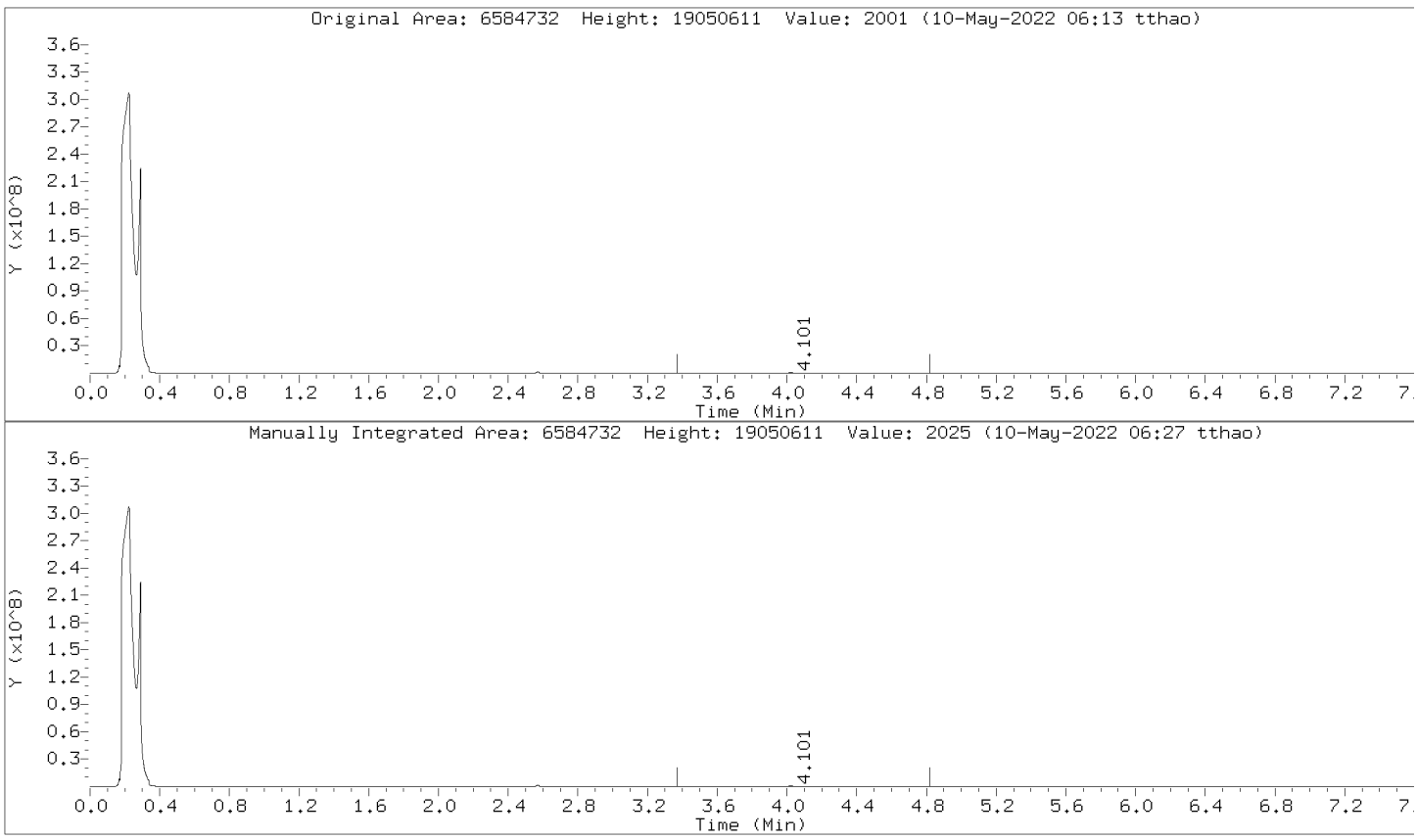
Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



390 of 1320
318 of 777
10606395

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



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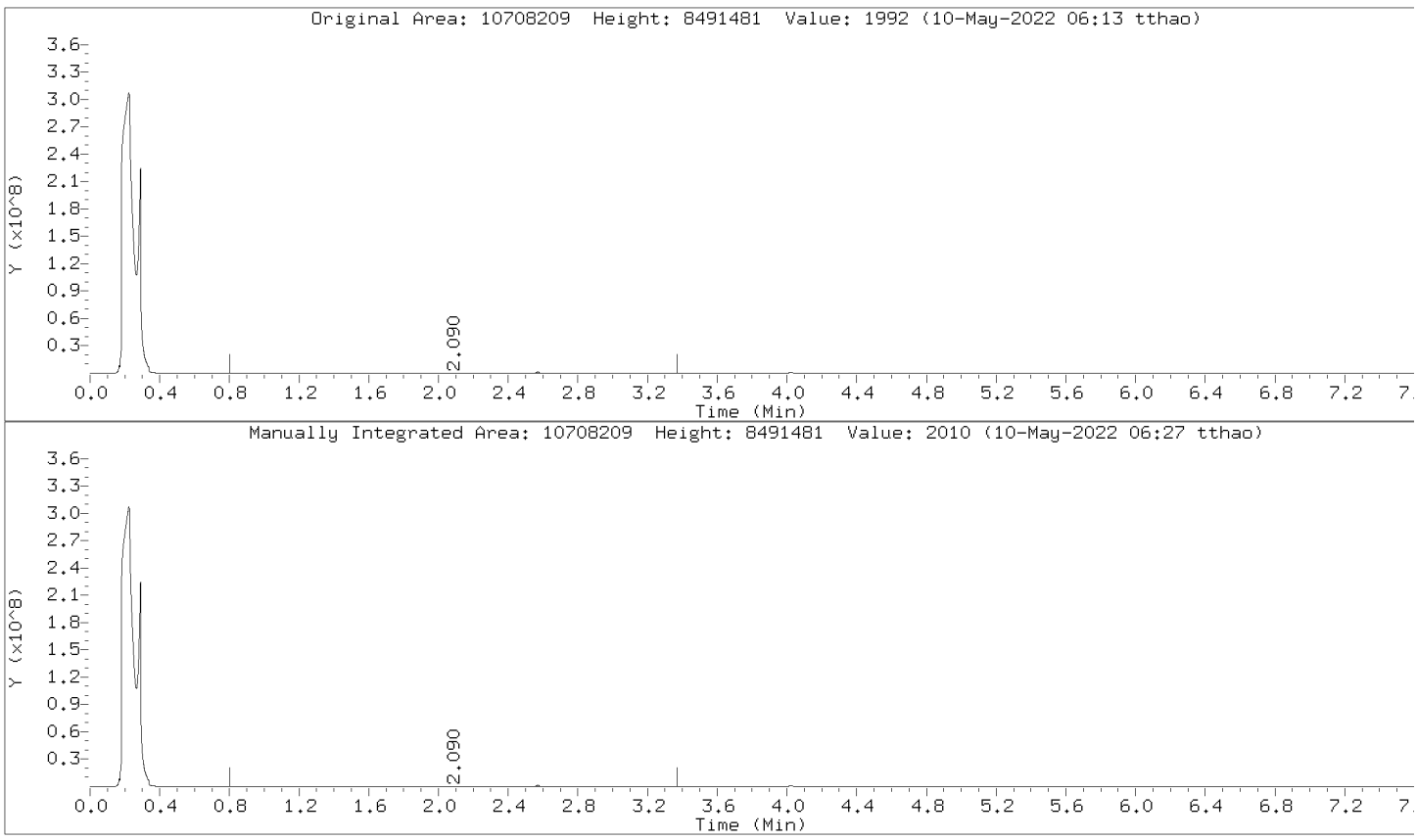
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



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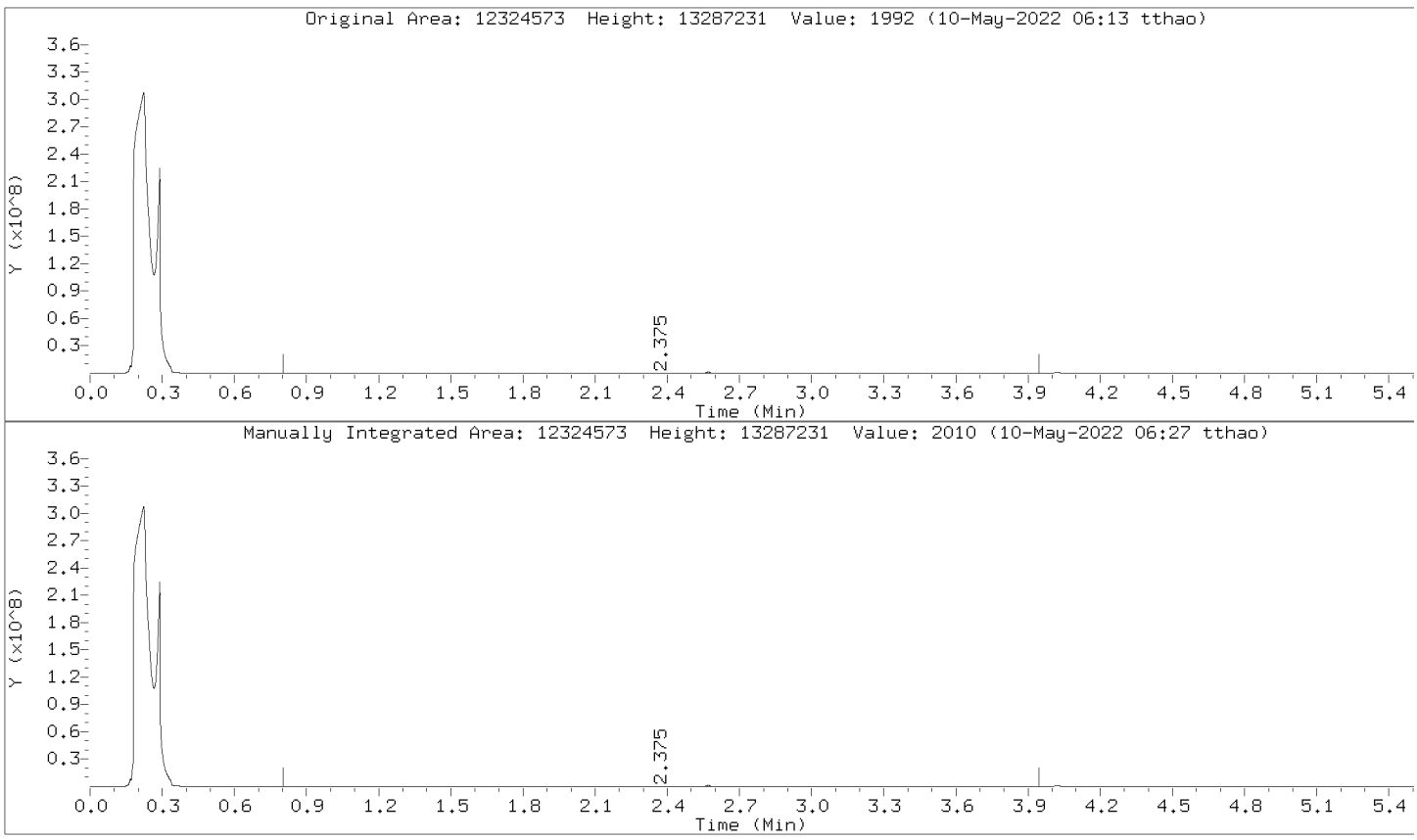
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



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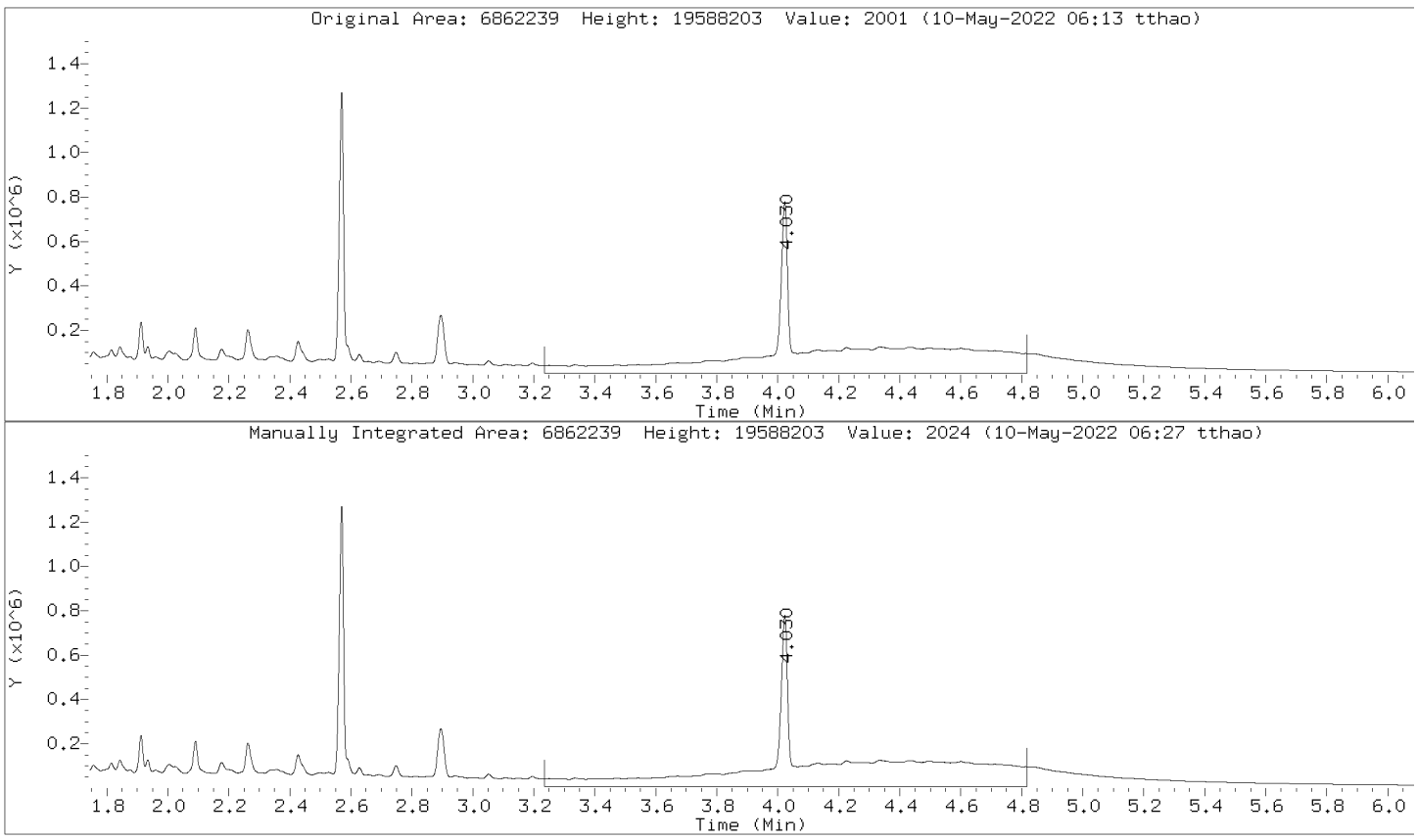
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



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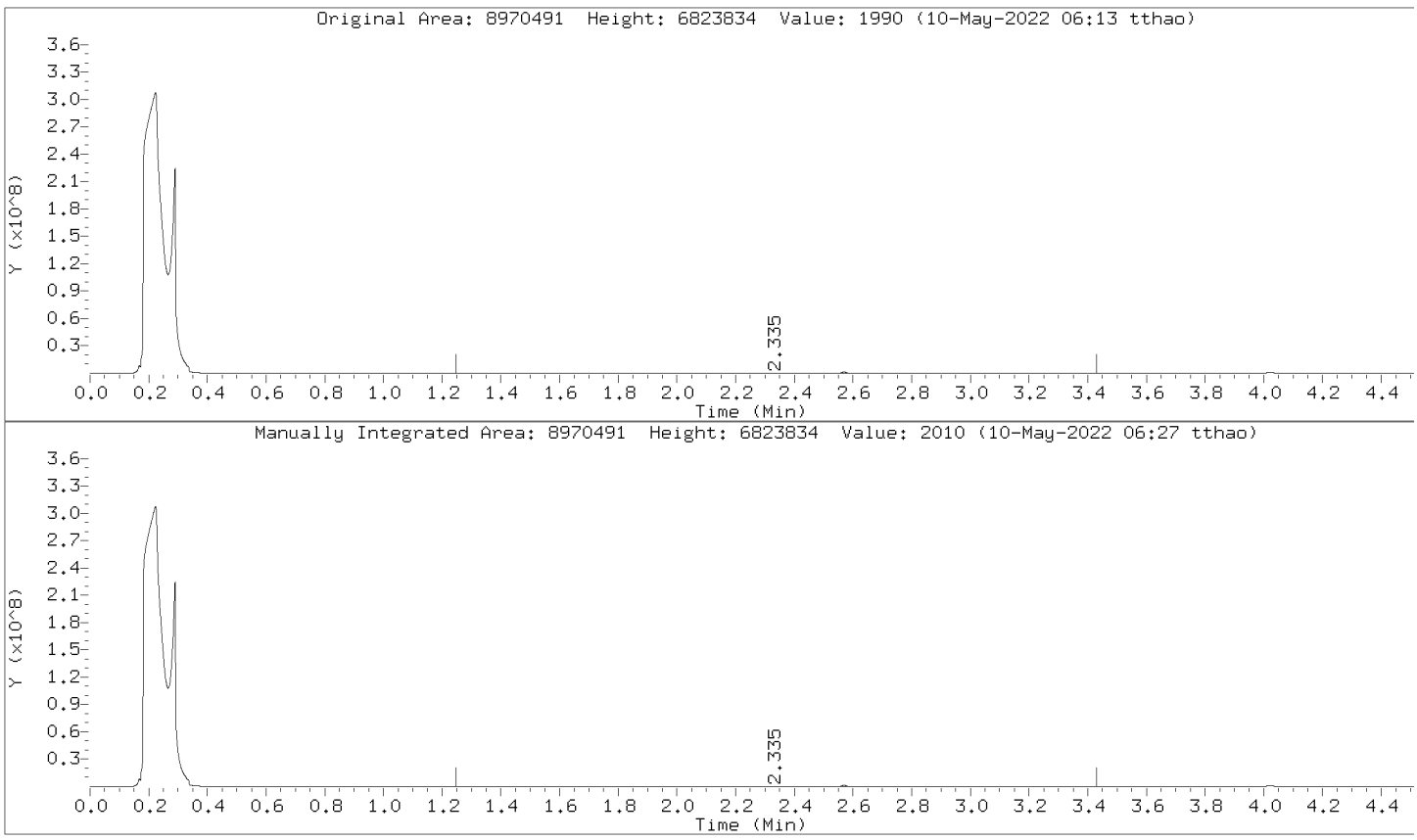
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



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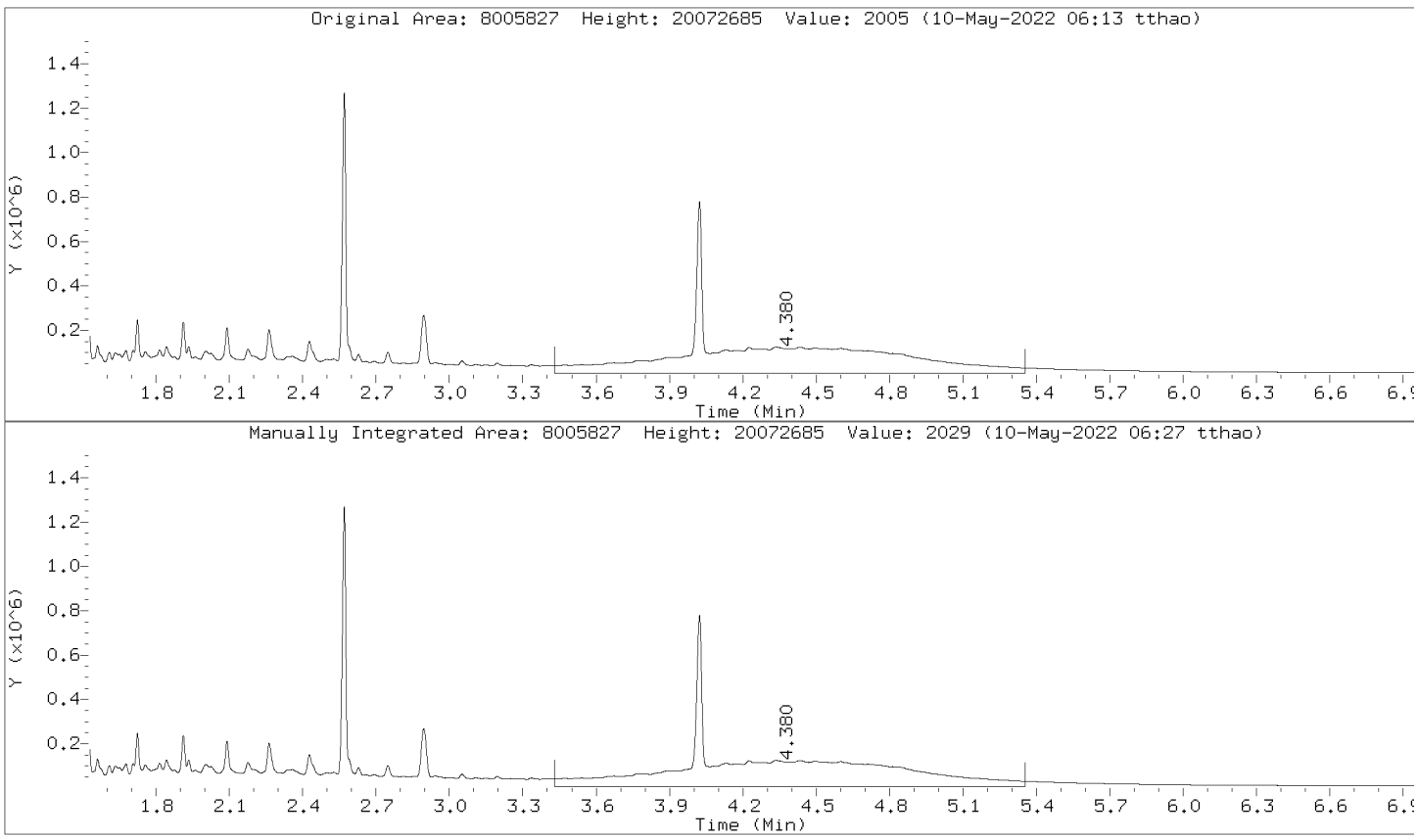
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



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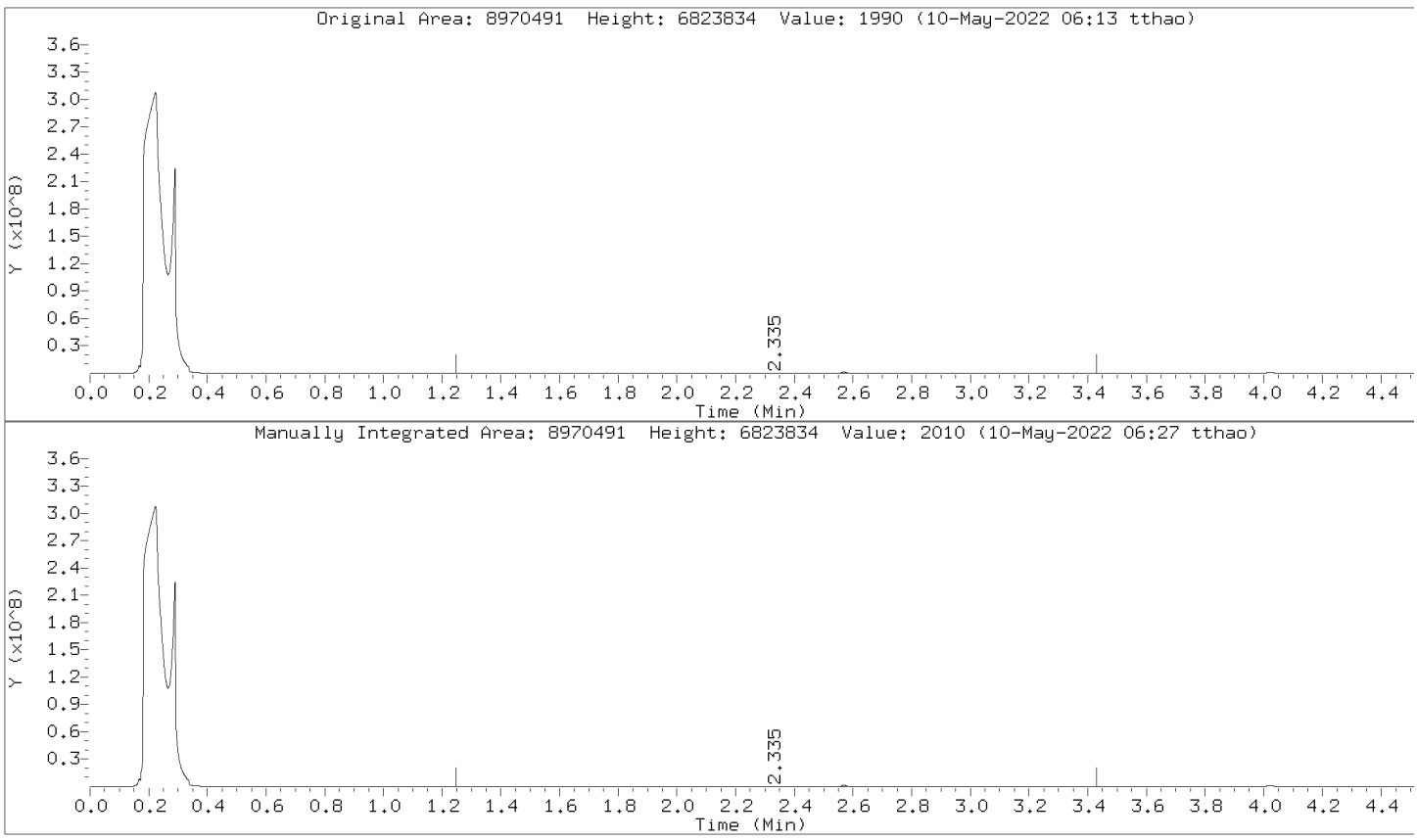
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



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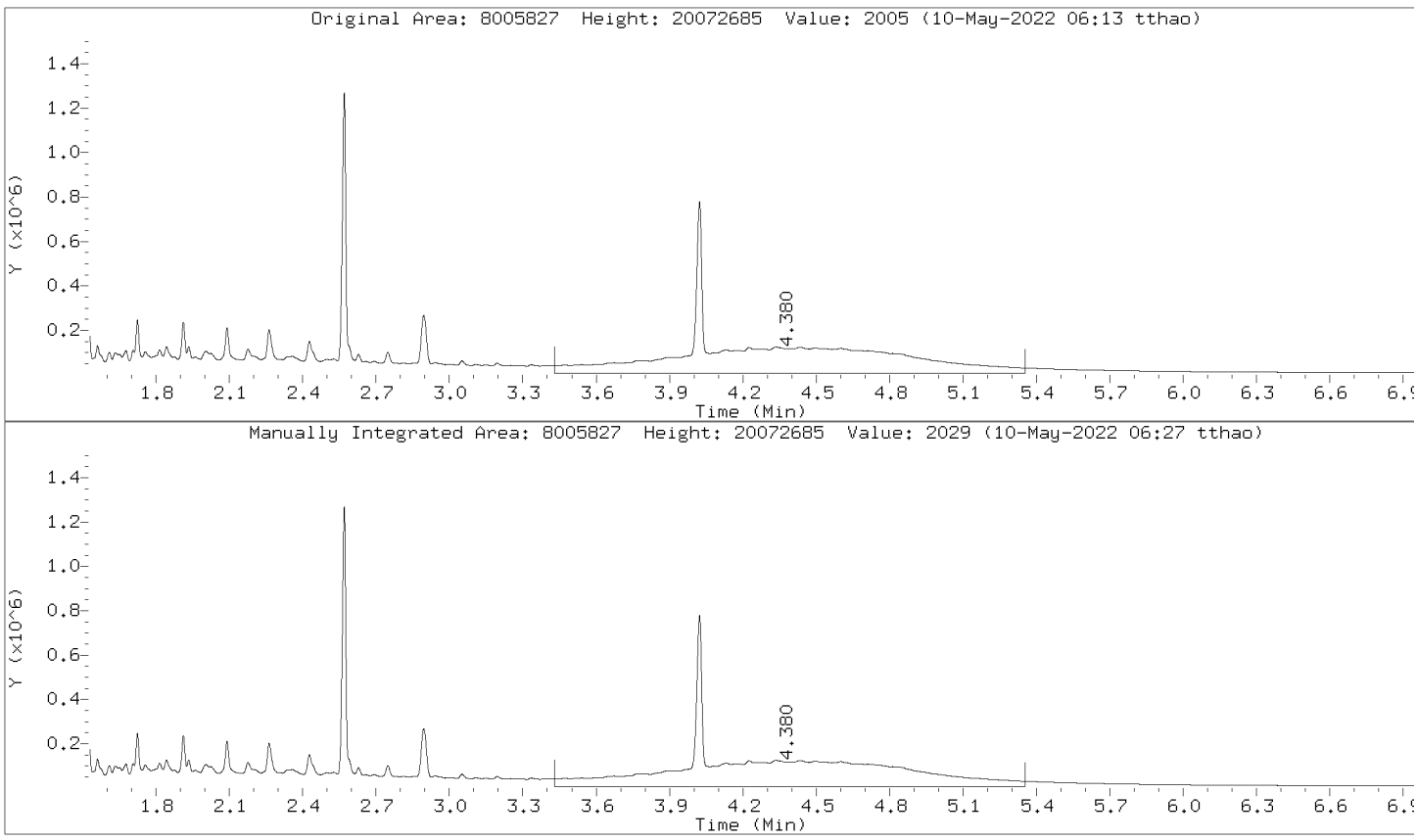
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



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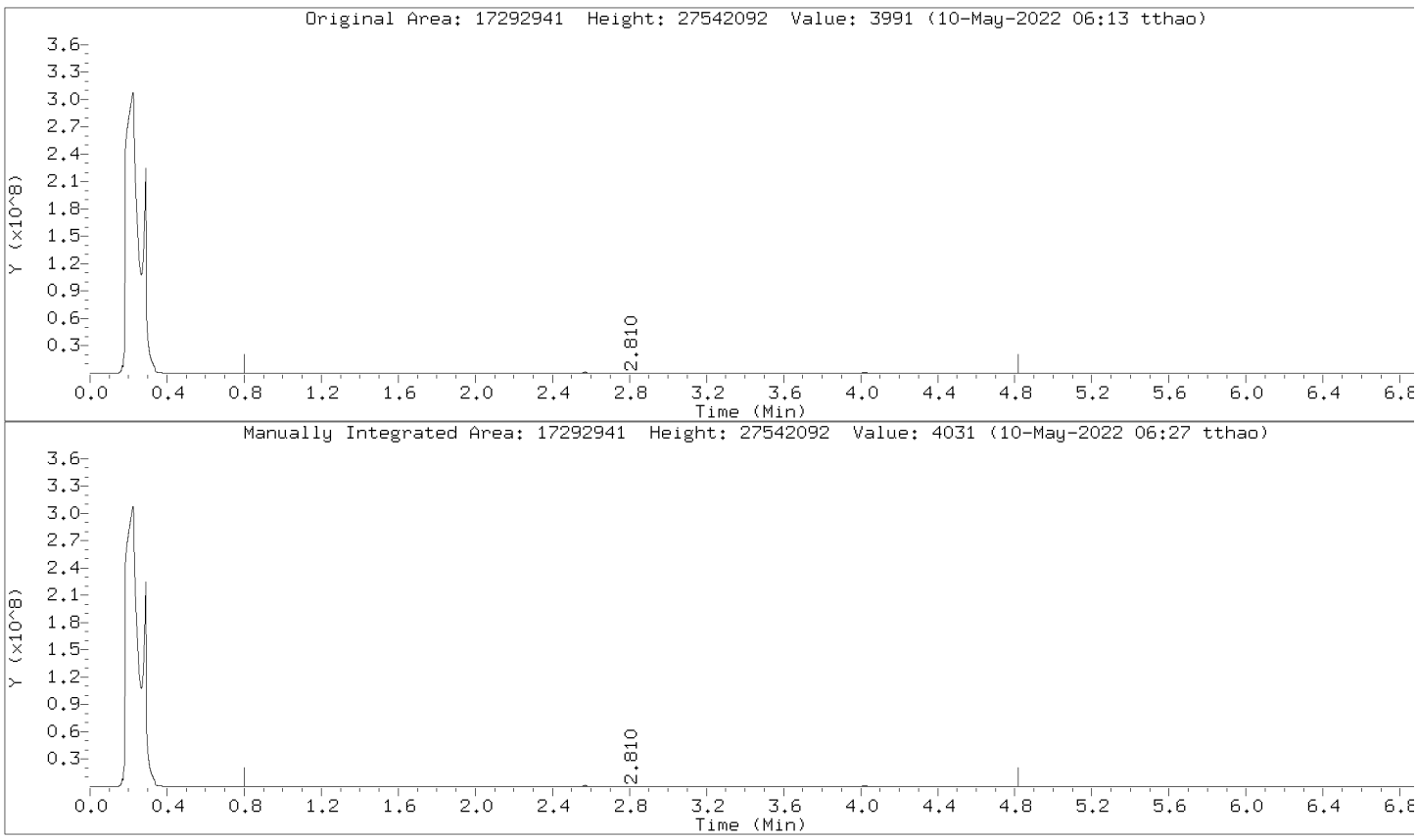
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: C10-C36 Review Code: RNG
CAS Number:



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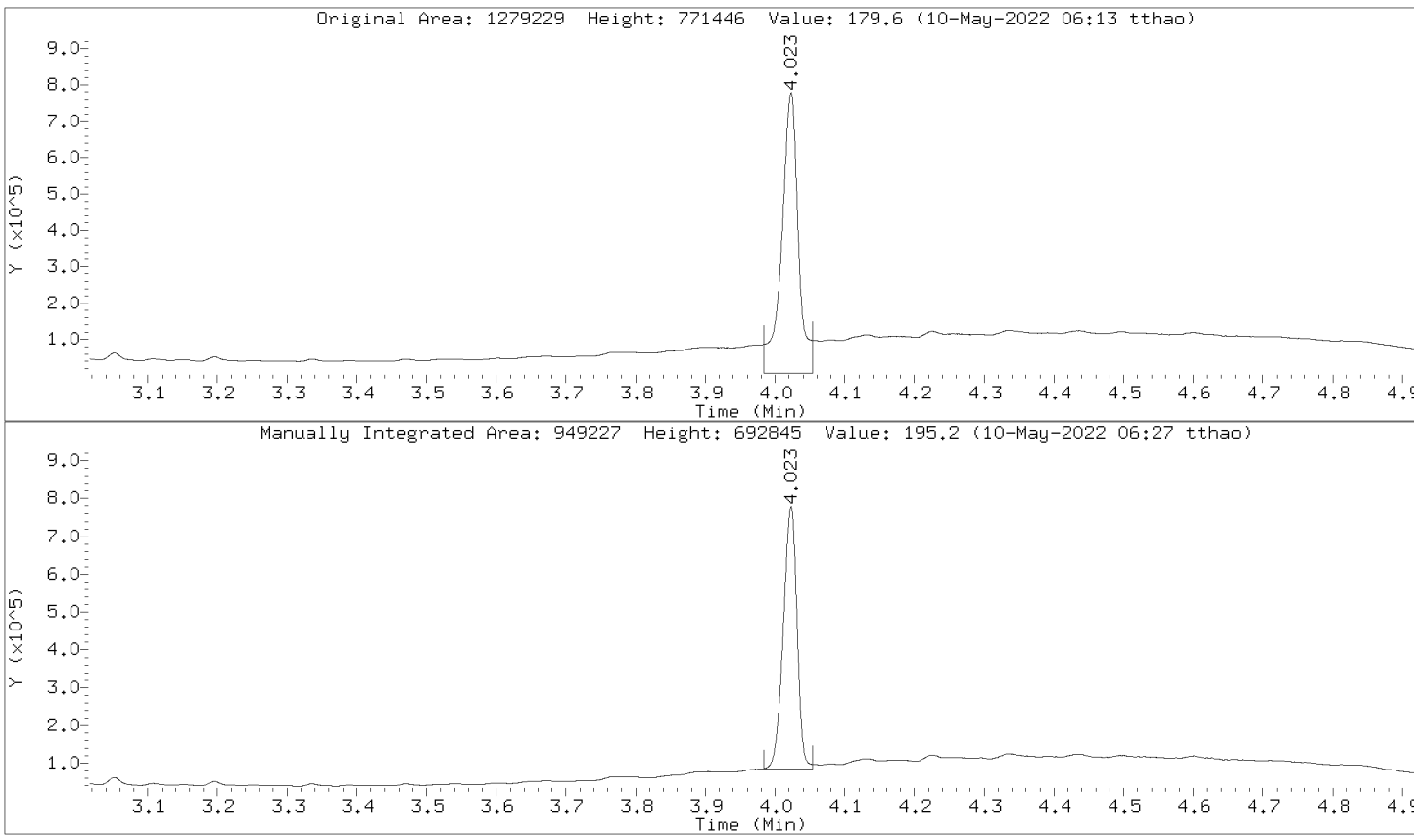
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



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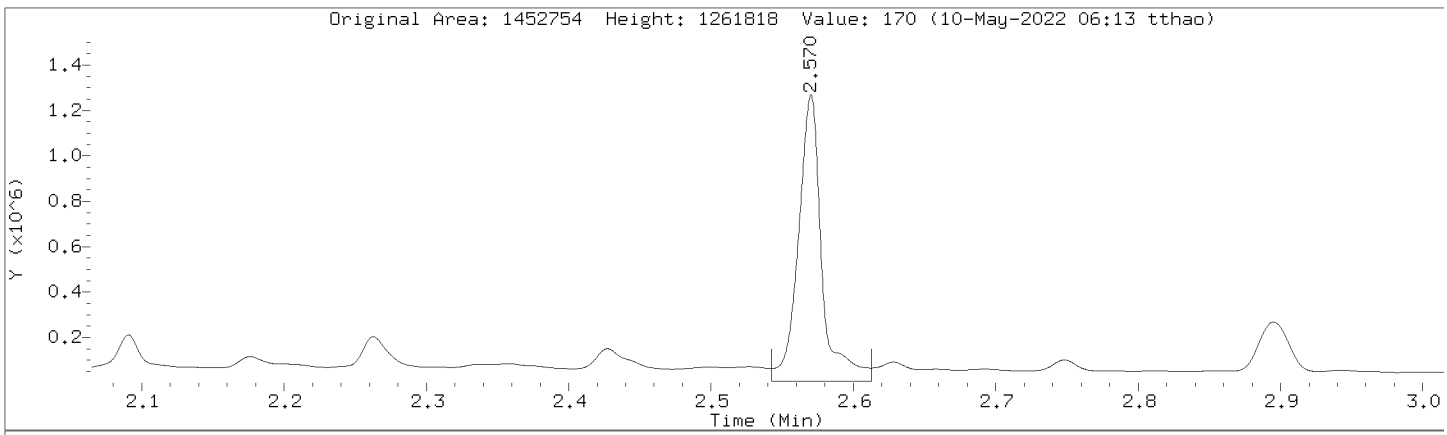
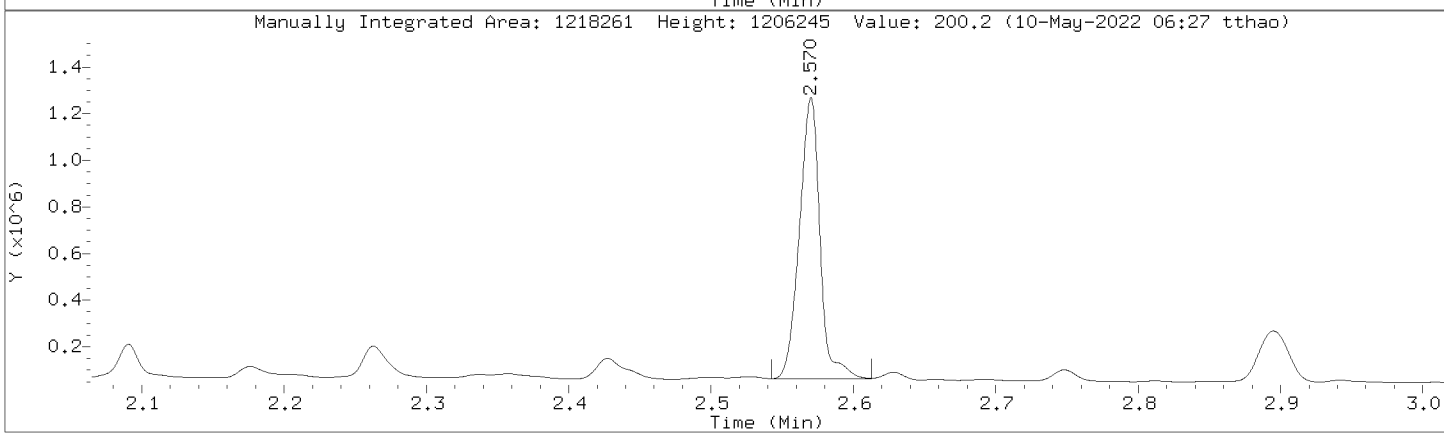
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:





Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	6584732	6584732
DRO by AK 102	10708209	10708209
TPH-DRO (C10-C28)	12324573	12324573
Motor Oil Range (C24-C36)	6862239	6862239
Diesel Fuel Range	8970491	8970491
Motor Oil Range	8005827	8005827
Diesel Fuel Range SG	8970491	8970491
Motor Oil Range SG	8005827	8005827
C10-C36	17292941	17292941
n-Triacontane (S)	1279229	949227
o-Terphenyl (S)	1452754	1218261

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000033.D
Lab Smp Id: DMO-CAL10,364988:2 Client Smp ID: DMO-CAL10,364988:2
Inj Date : 09-MAY-2022 17:04
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal10,364988:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 12 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800 - 3.380			20961677	4000.00	3990	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.576	2.565	0.011	2430969	400.000	399	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.030	4.017	0.013	1891444	400.000	389	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381 - 4.820			12872009	4000.00	3990	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800 - 3.950			24147947	4000.00	3990	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240 - 4.820			13410309	4000.00	3990	(M)	RNG
S 7 C10-C36					CAS #:		
0.800 - 4.820			33833686	8000.00	7980	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240 - 3.430			17540429	4000.00	3990	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240 - 3.430			17540429	4000.00	3990	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431 - 5.330			15615349	4000.00	3980	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431 - 5.330			15615349	4000.00	3980	(M)	RNG

QC Flag Legend

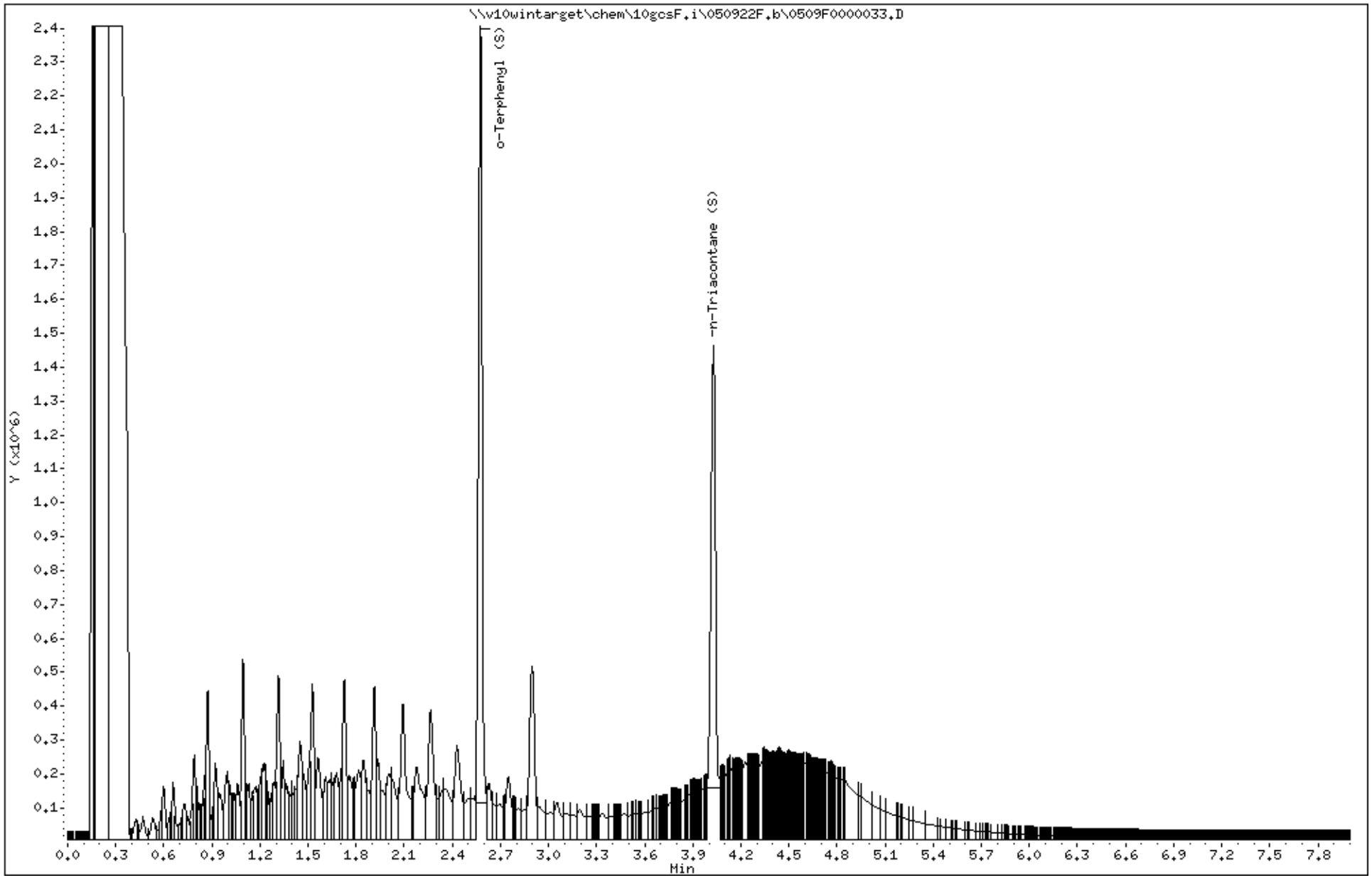
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

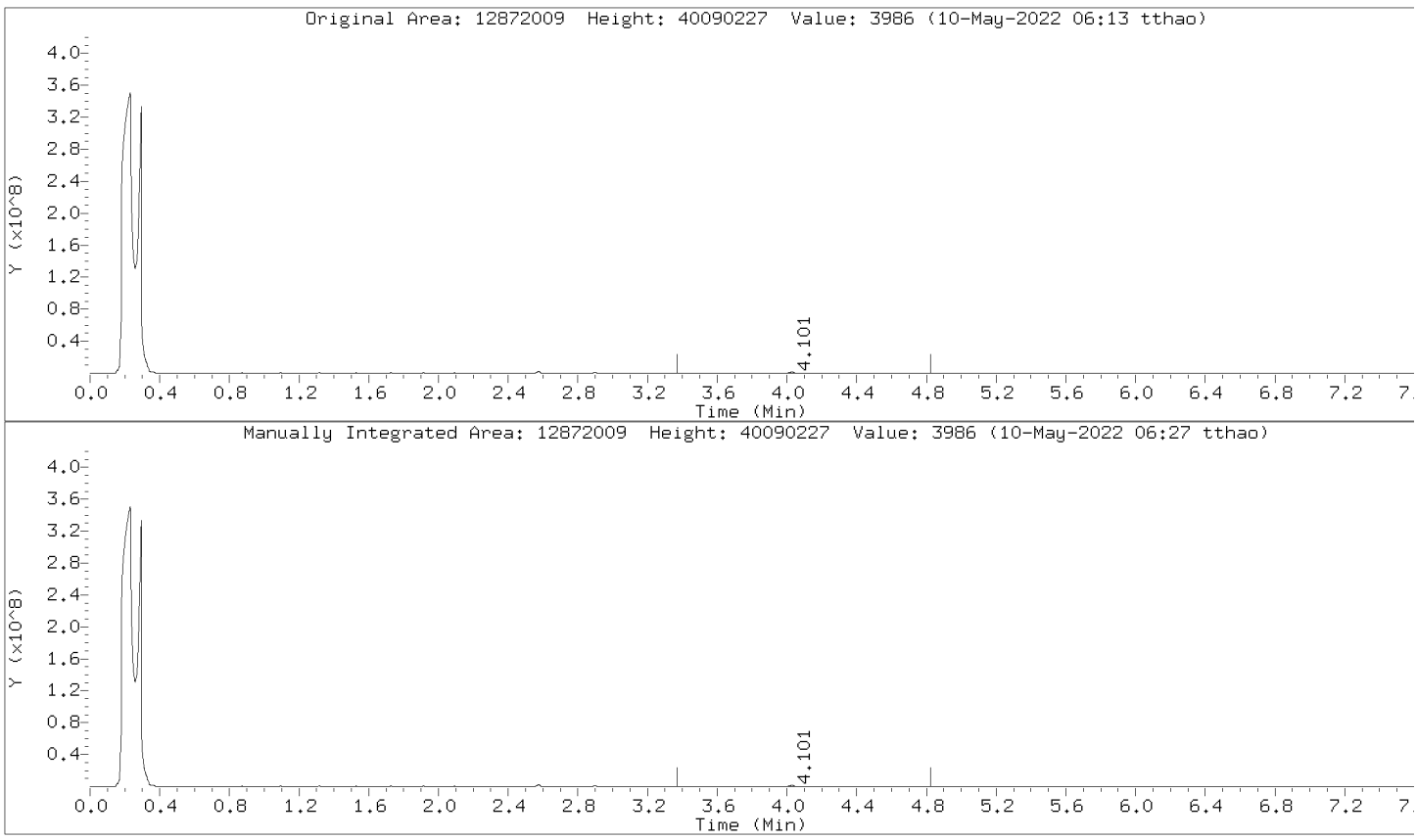
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000033.D
Date : 09-MAY-2022 17:04
Client ID: DMO-CAL10,364988:2
Sample Info: DMO-CAL10,364988:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



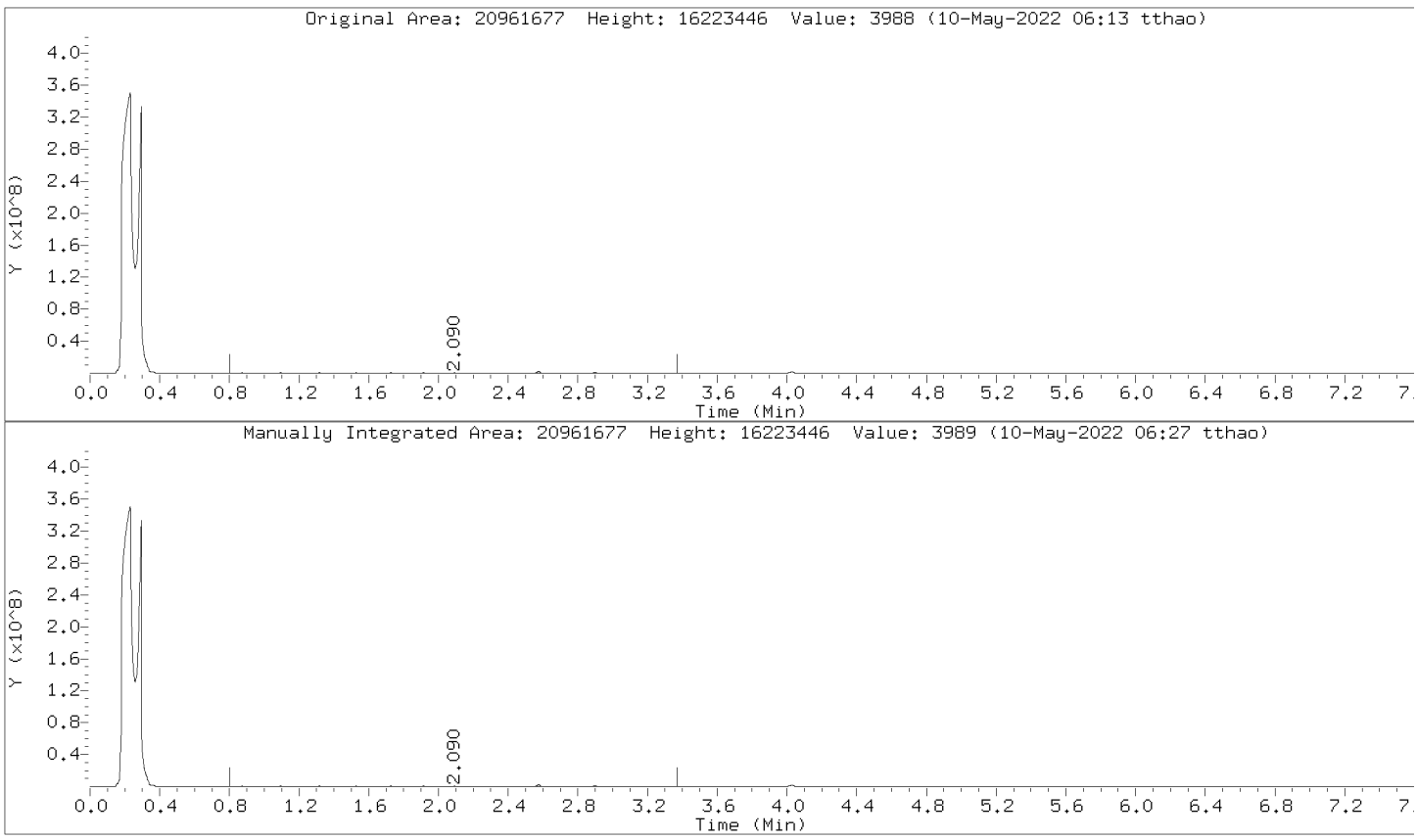
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



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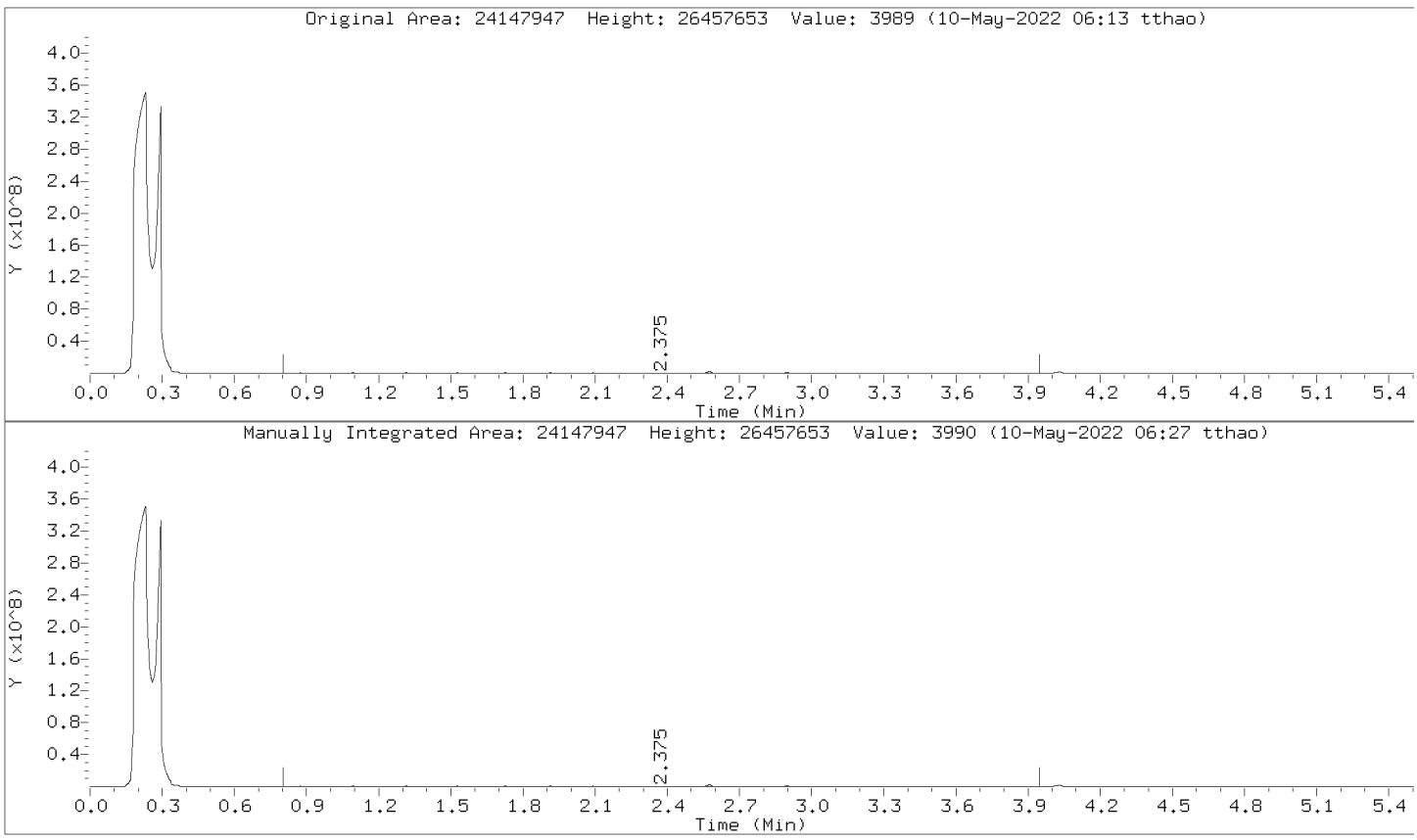
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



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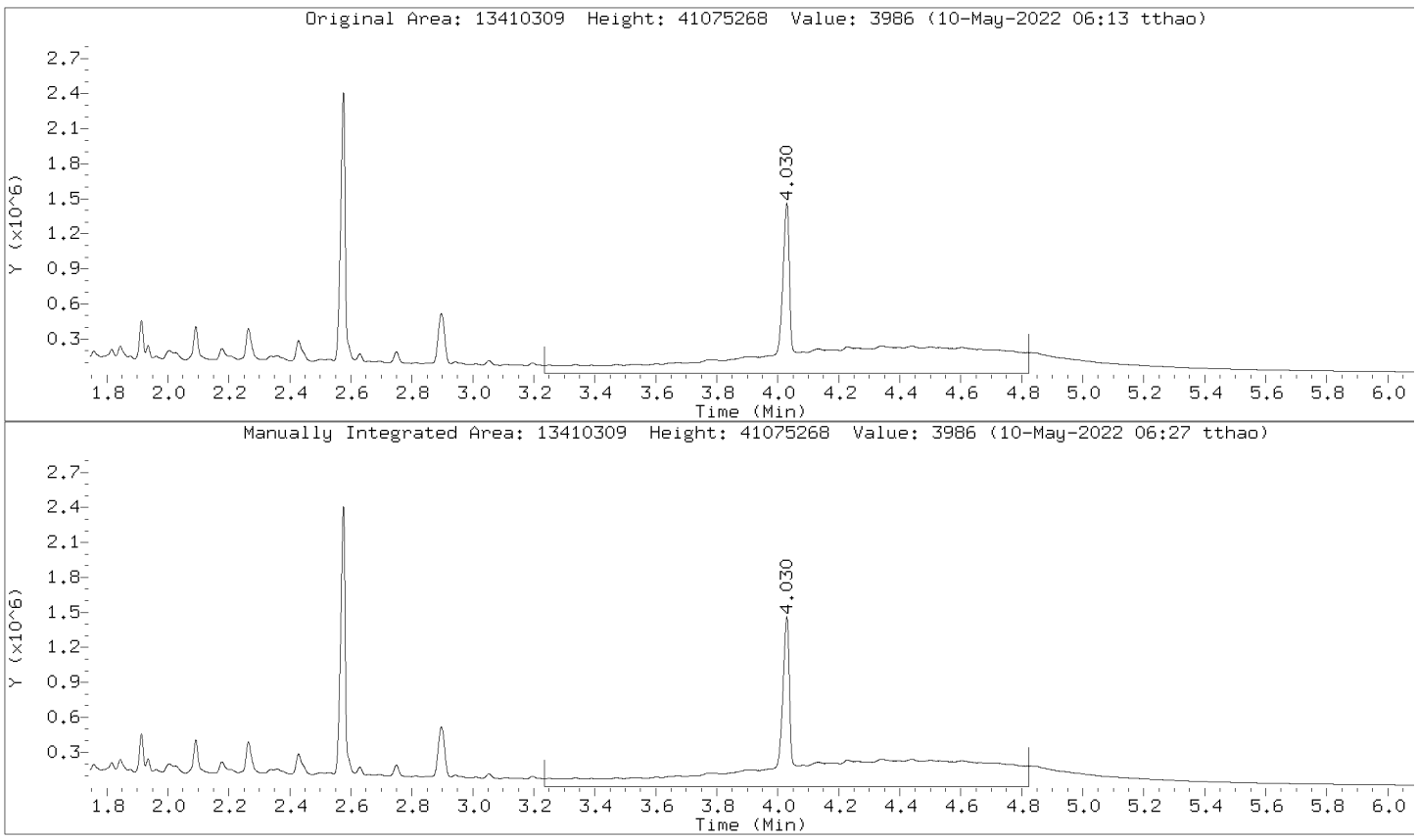
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



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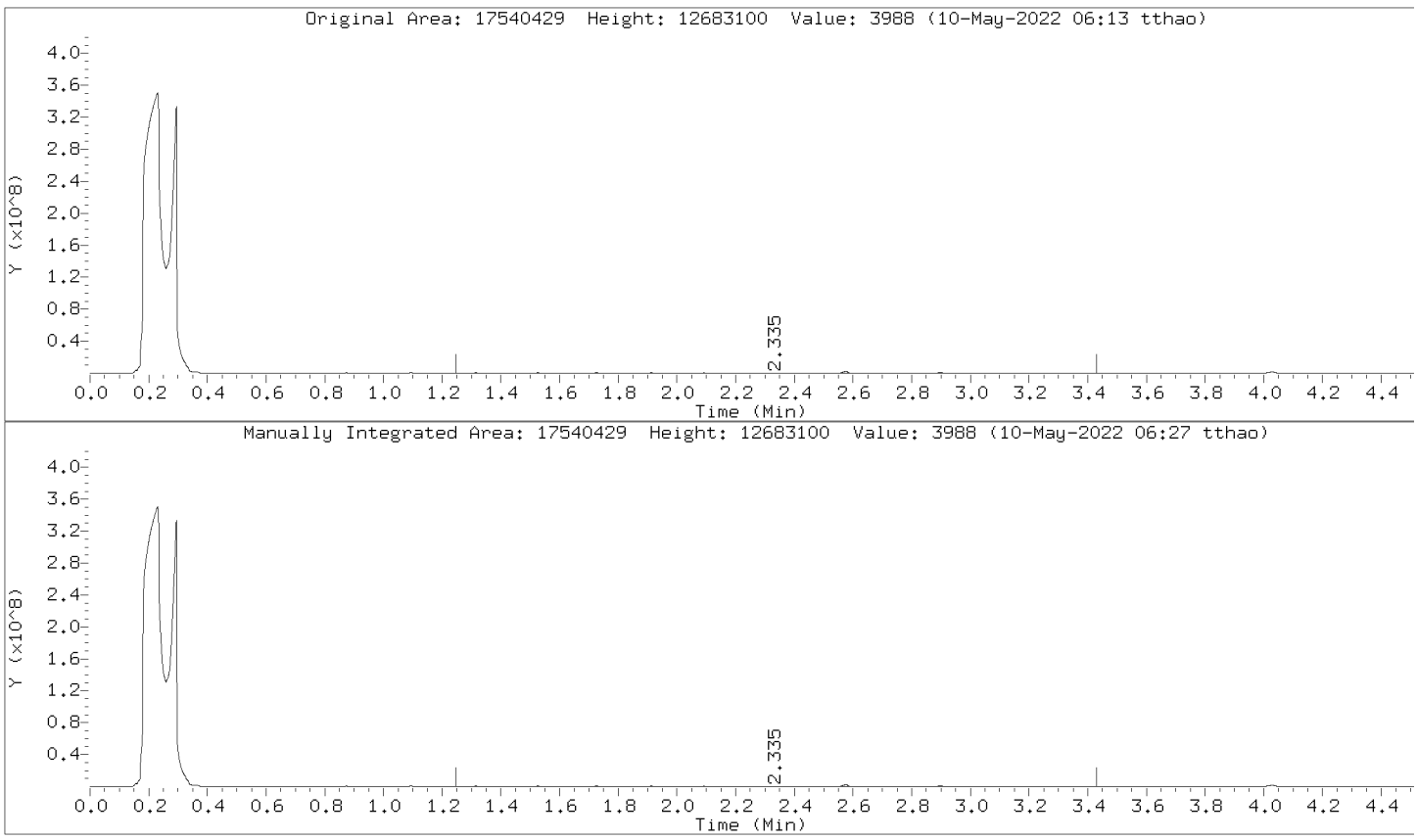
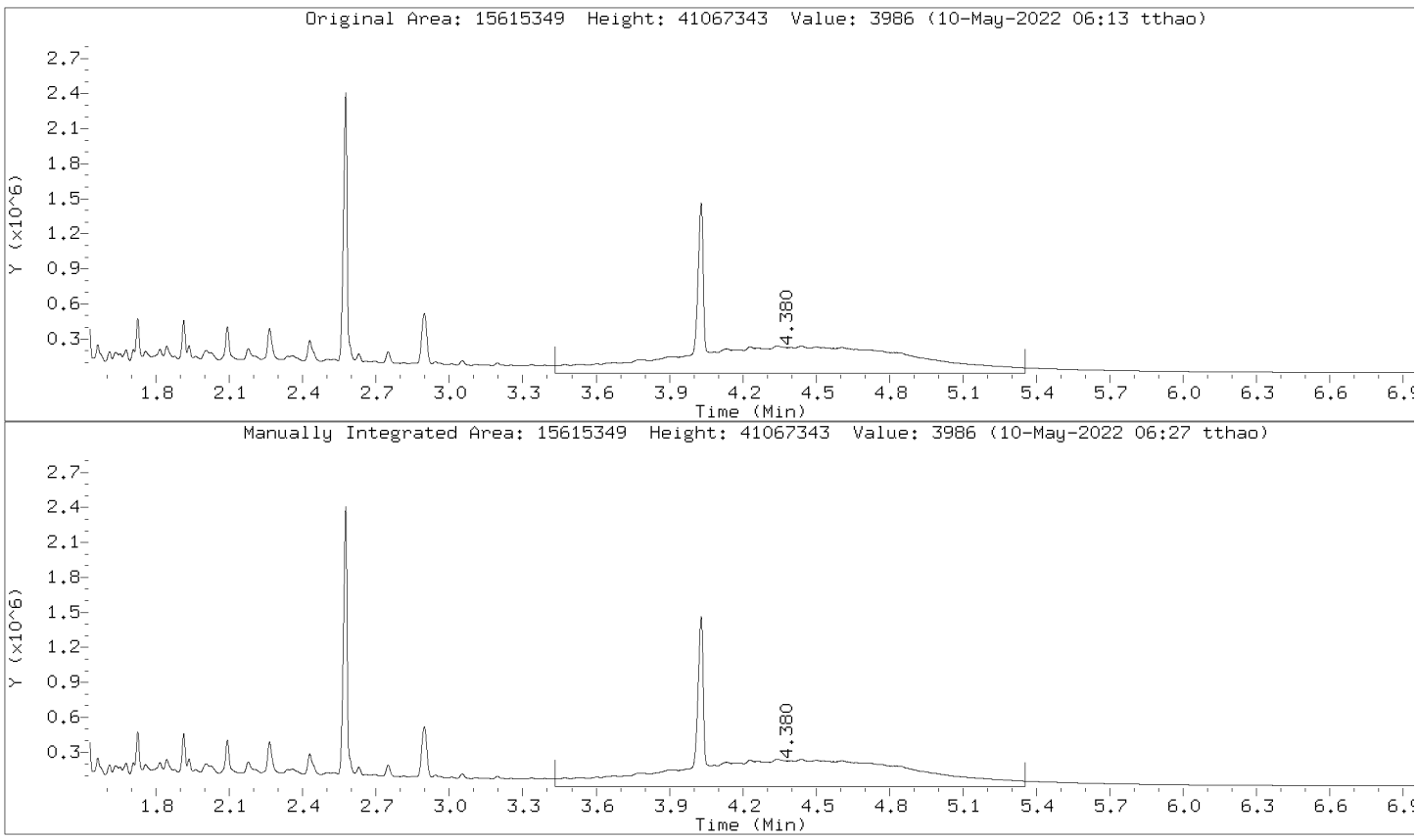
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



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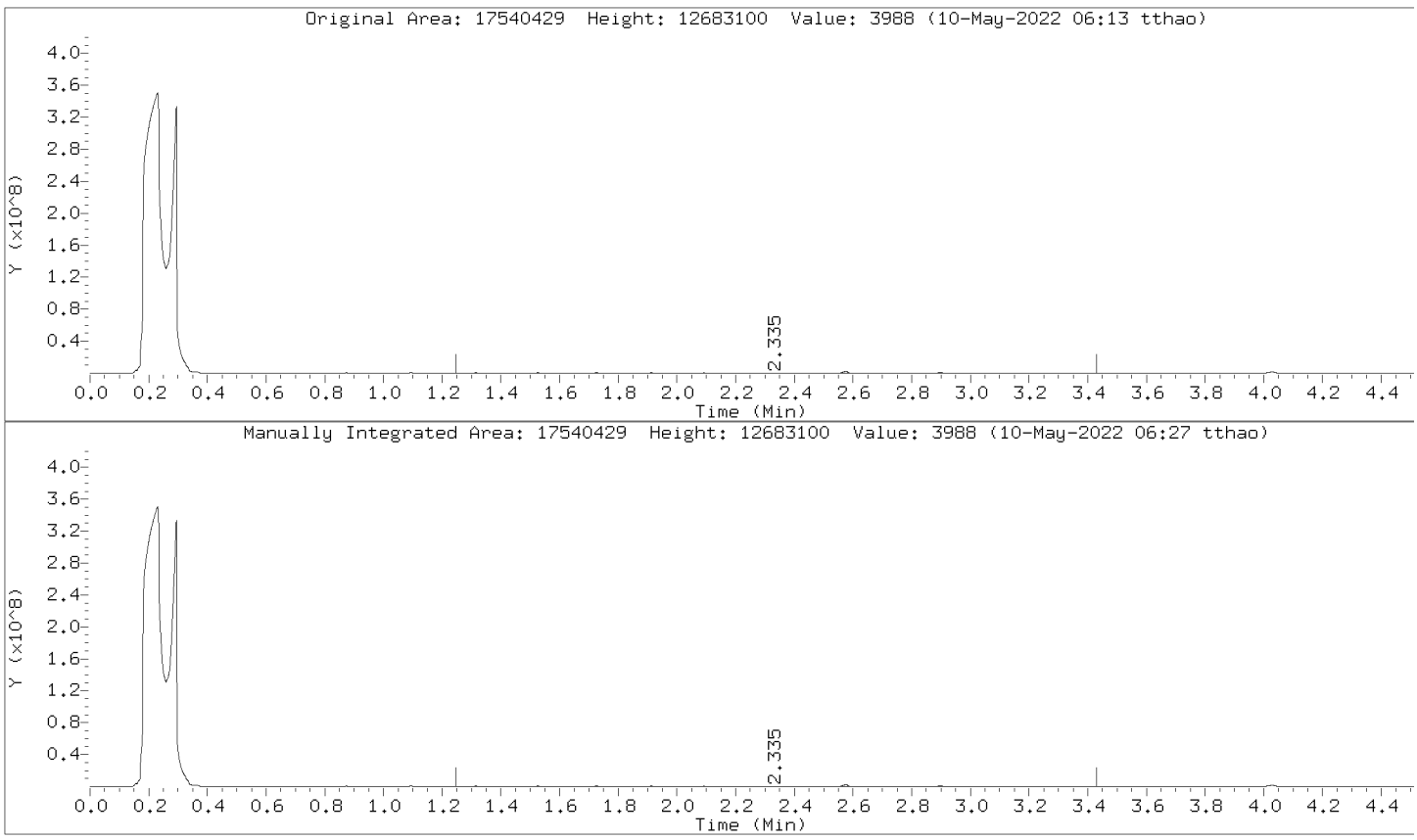
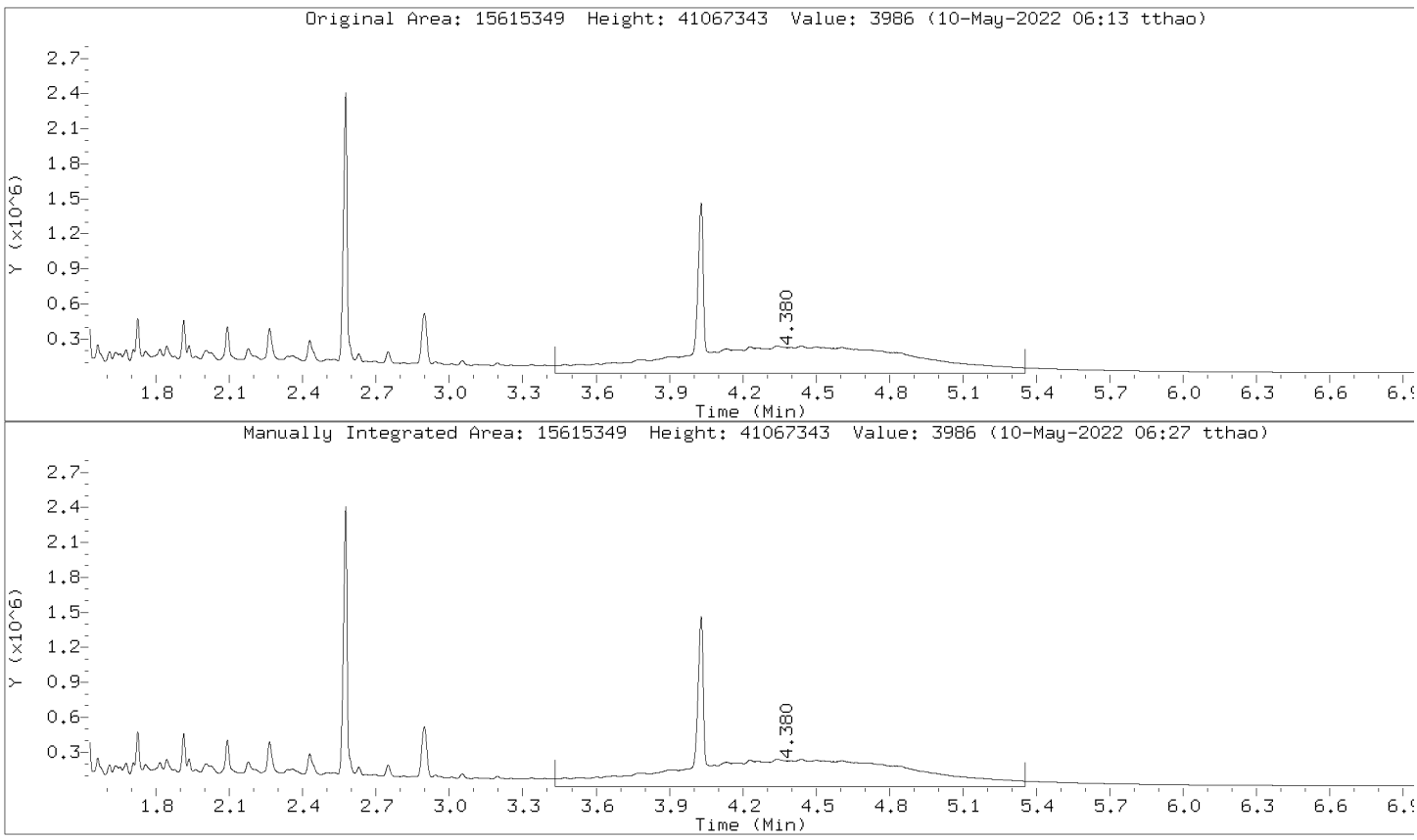
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



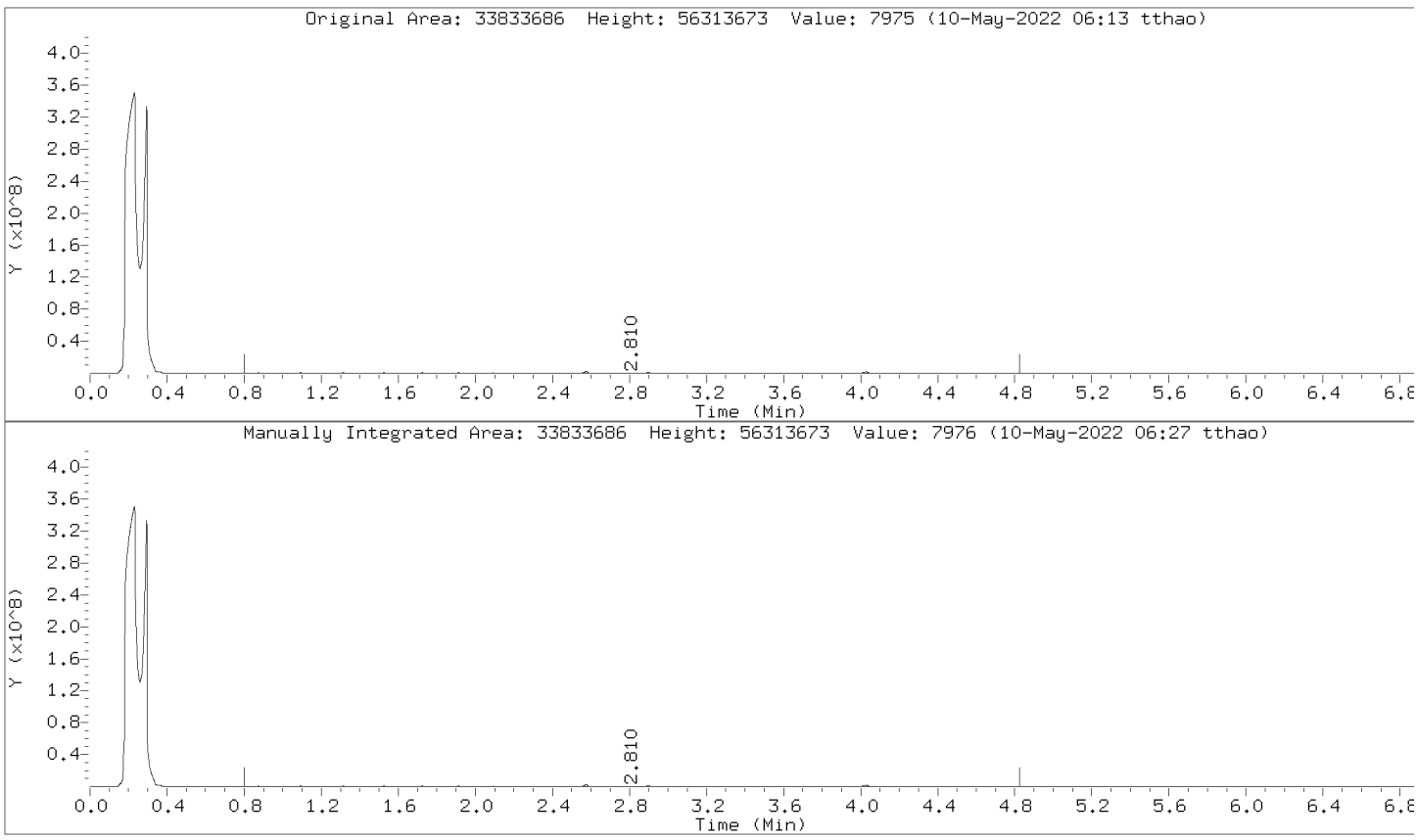
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



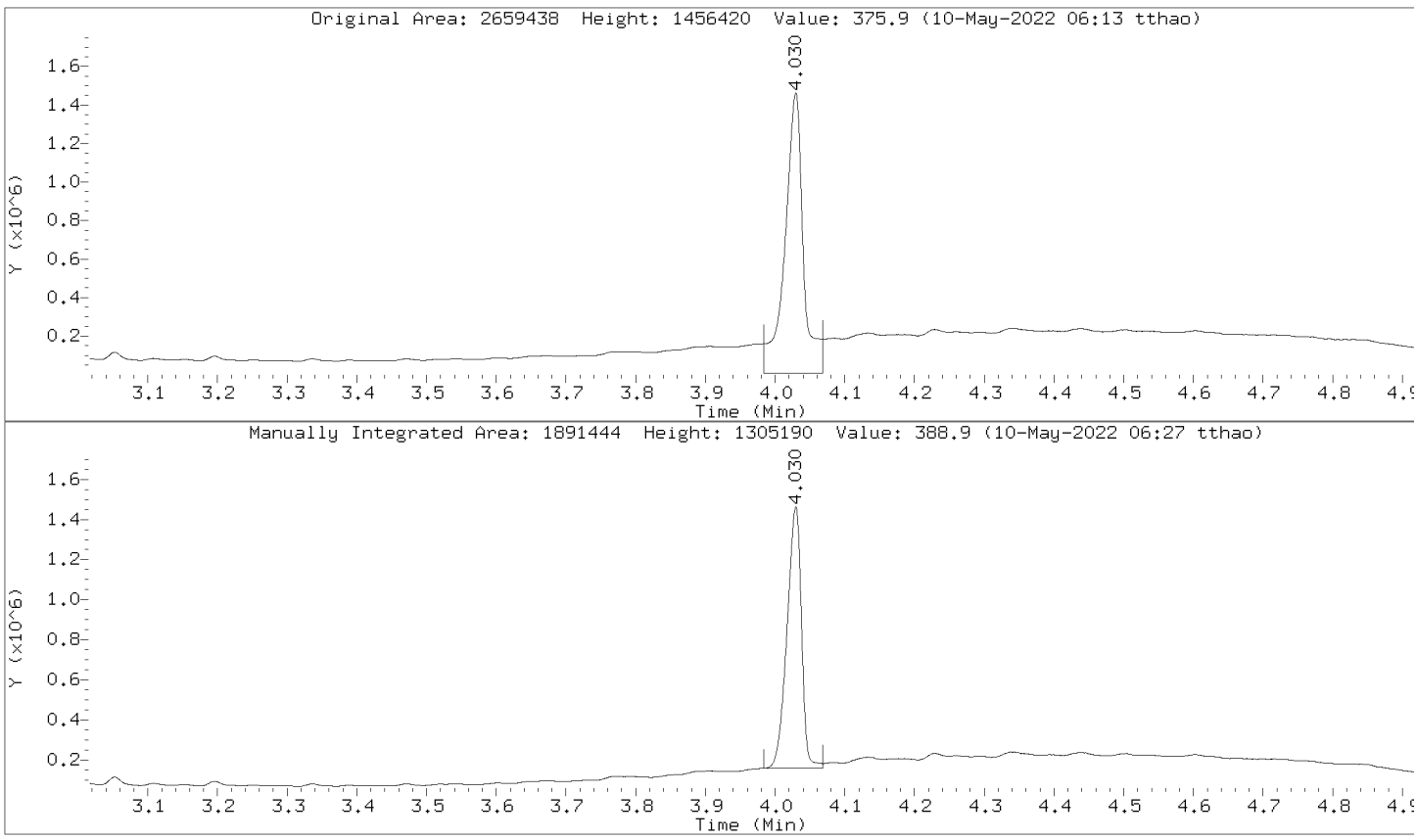
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: C10-C36 Review Code: RNG
CAS Number:



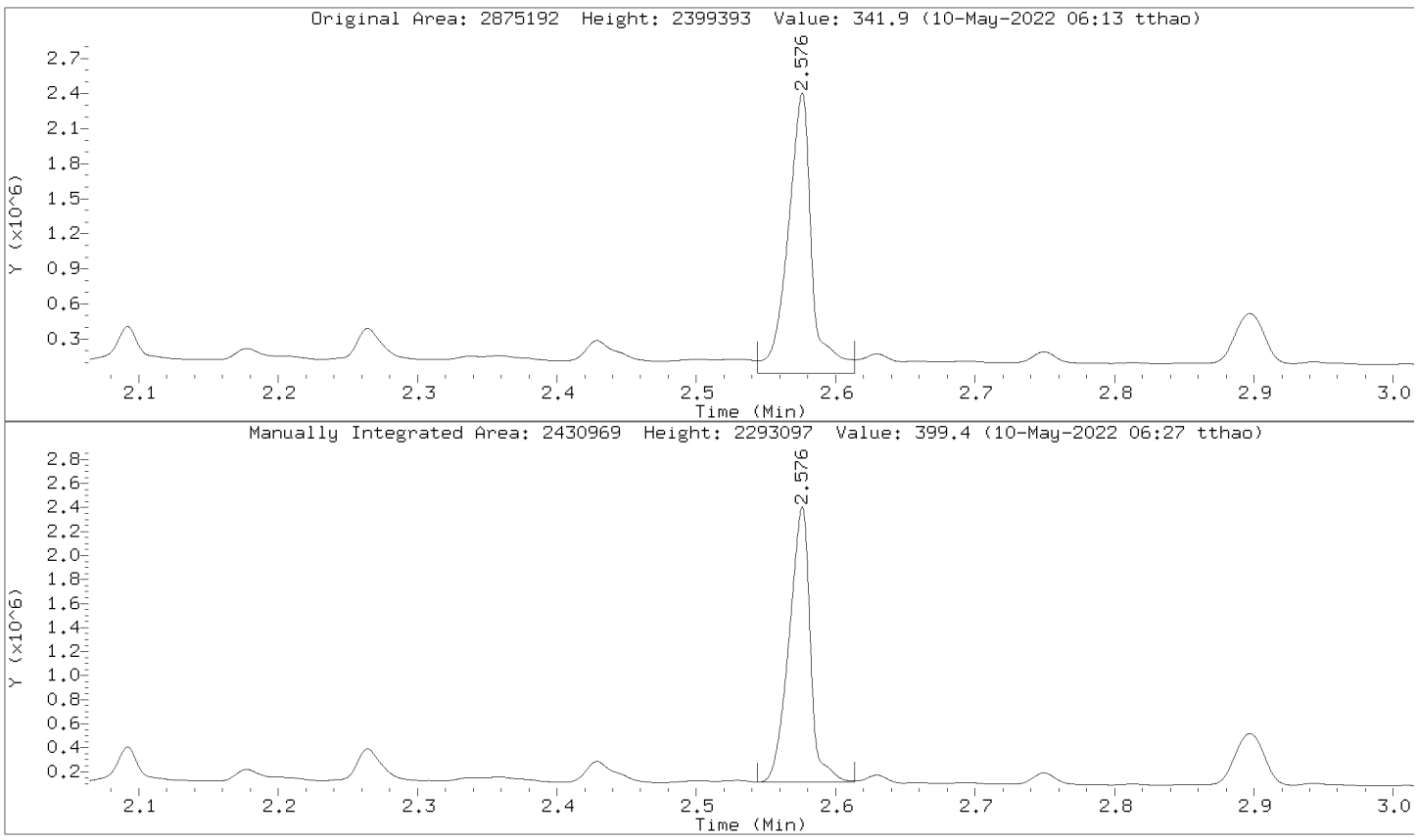
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	12872009	12872009
DRO by AK 102	20961677	20961677
TPH-DRO (C10-C28)	24147947	24147947
Motor Oil Range (C24-C36)	13410309	13410309
Diesel Fuel Range	17540429	17540429
Motor Oil Range	15615349	15615349
Diesel Fuel Range SG	17540429	17540429
Motor Oil Range SG	15615349	15615349
C10-C36	33833686	33833686
n-Triacontane (S)	2659438	1891444
o-Terphenyl (S)	2875192	2430969

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000036.D
Lab Smp Id: PBLK,363301:2 Client Smp ID: PBLK,363301:2
Inj Date : 09-MAY-2022 17:39
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : pblk,363301:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10SVOA-TT

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/mL)		REVIEW CODE
S 1 DRO by AK 102					CAS #:		
0.800 - 3.380			255294			(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.564	2.565	-0.001	281232	46.2124	46.2	(RM)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.016	4.017	-0.001	232021	47.7100	47.7	(RM)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381 - 4.820			80663			(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800 - 3.950			288169			(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240 - 4.820			90995			(M)	RNG
S 7 C10-C36					CAS #:		
0.800 - 4.820			335957			(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240 - 3.430			231816			(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240 - 3.430			231816			(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431 - 5.330			106438			(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431 - 5.330			106438			(M)	RNG

QC Flag Legend

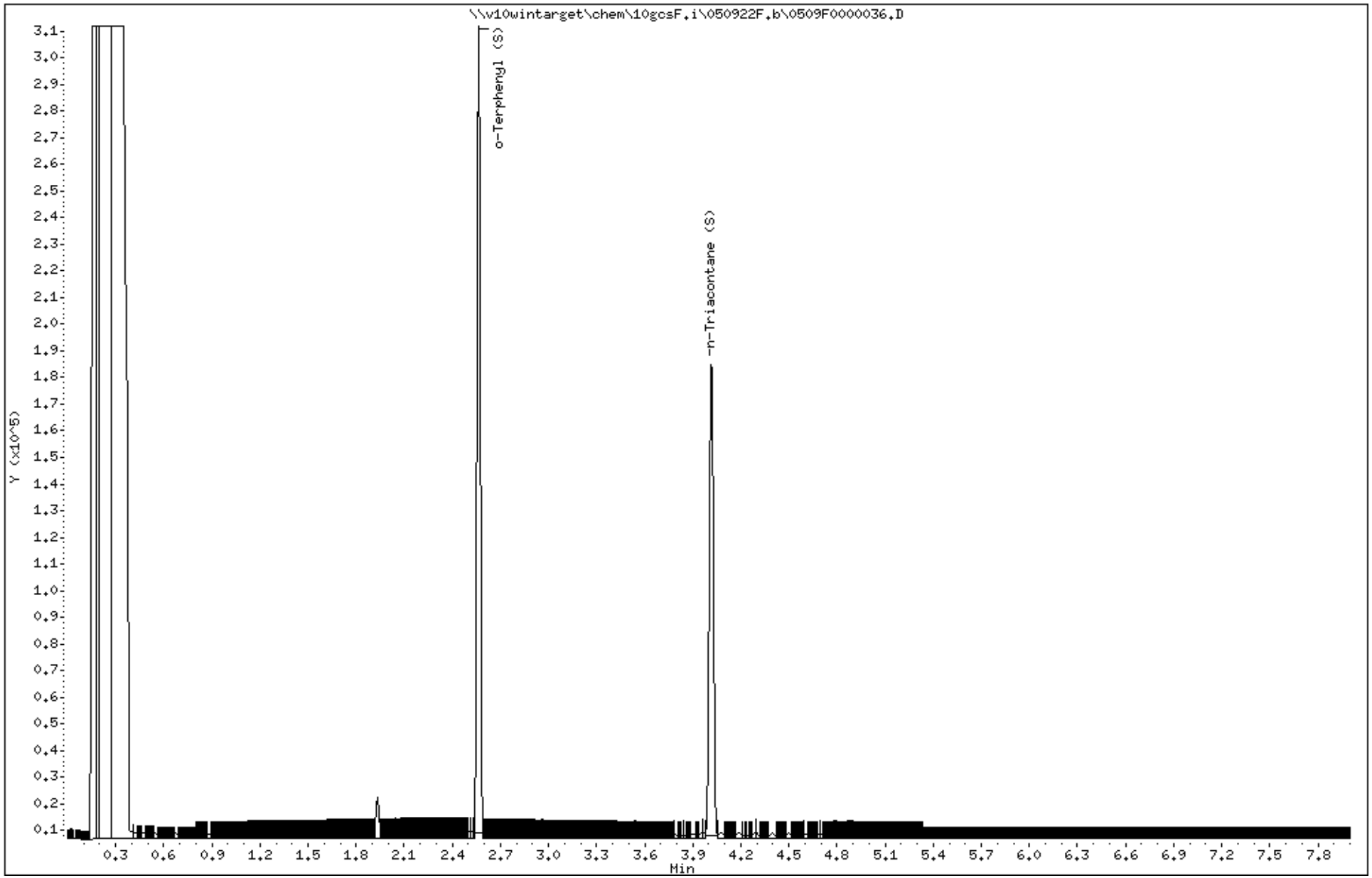
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

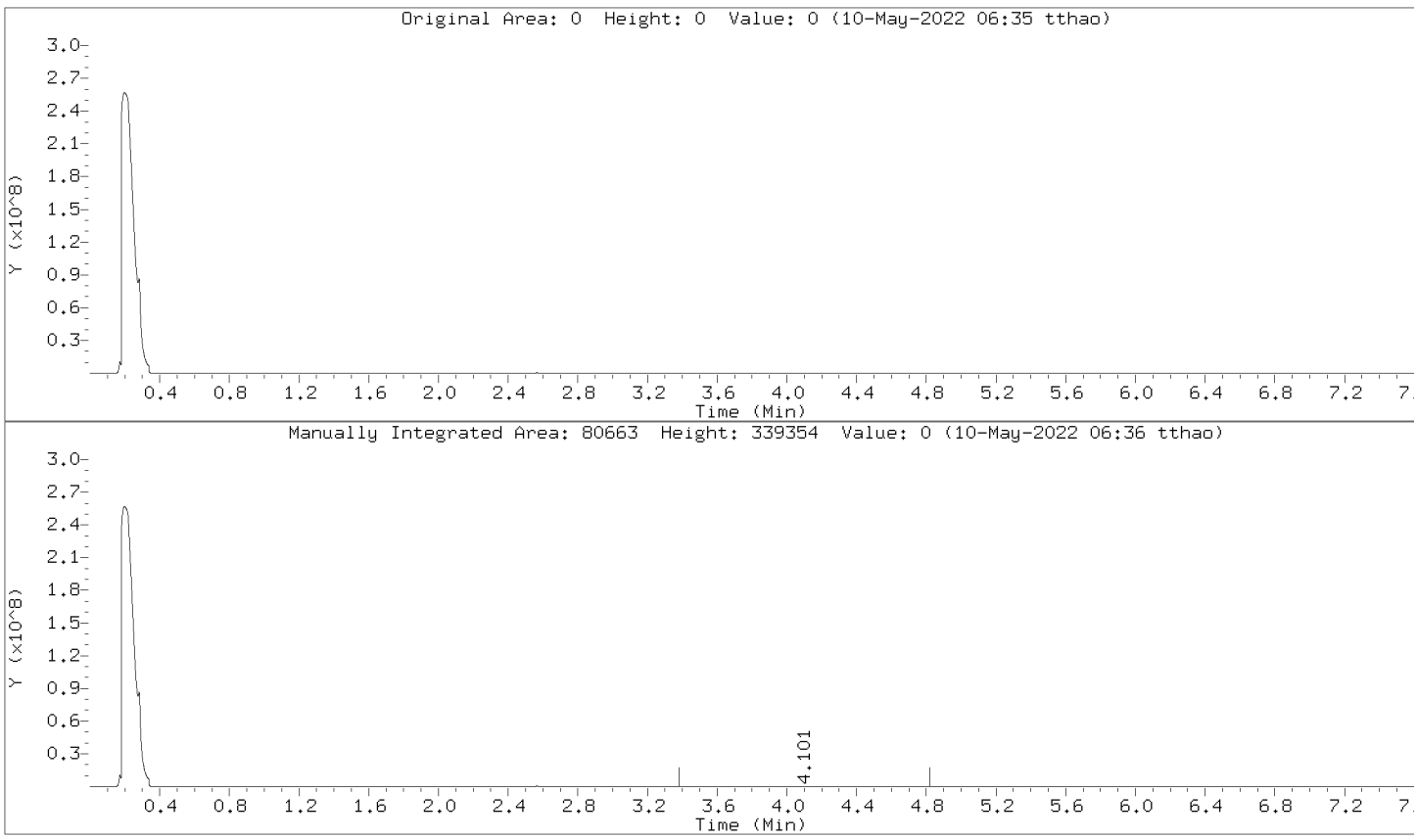
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000036.D
Date : 09-MAY-2022 17:39
Client ID: PBLK,363301:2
Sample Info: PBLK,363301:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



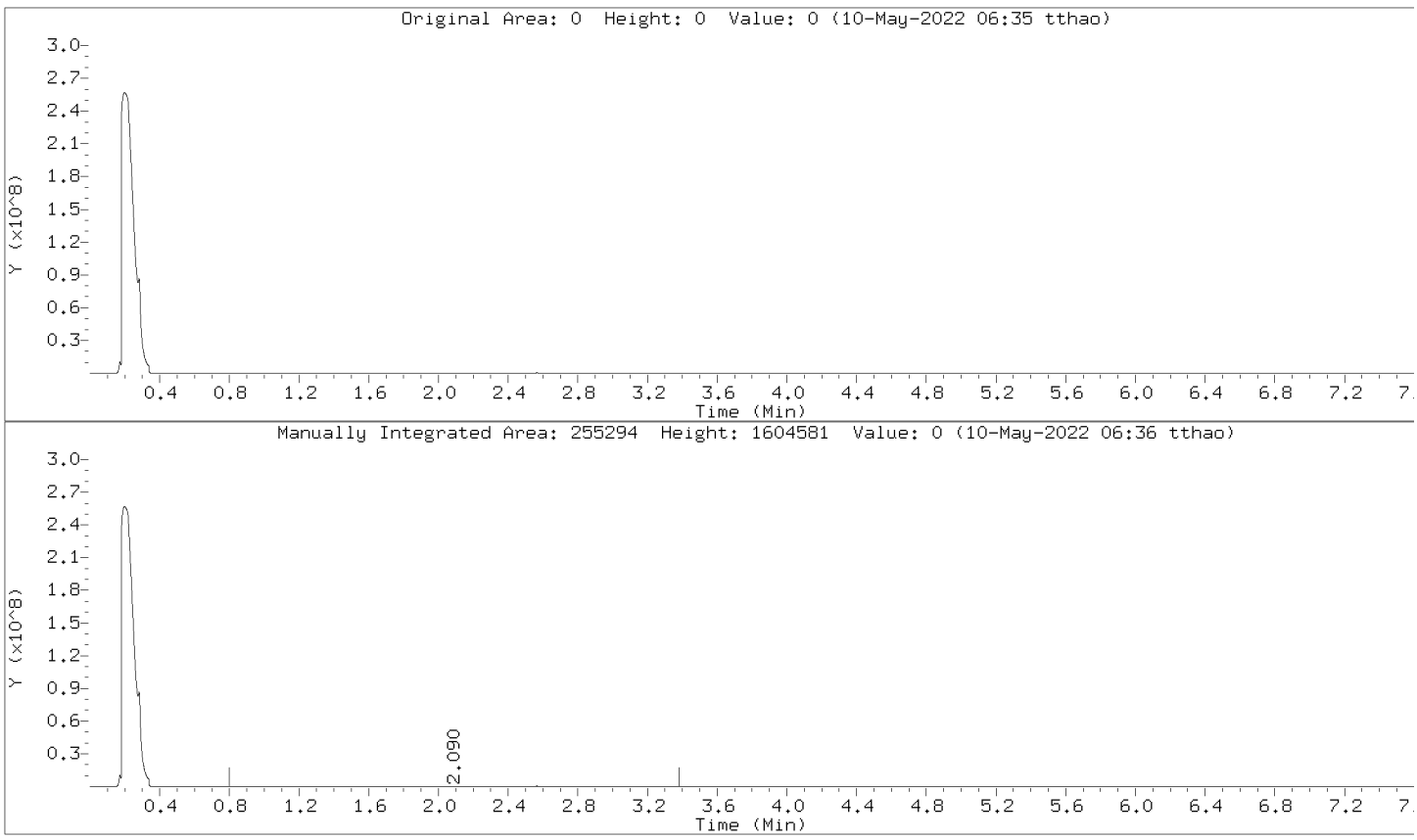
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



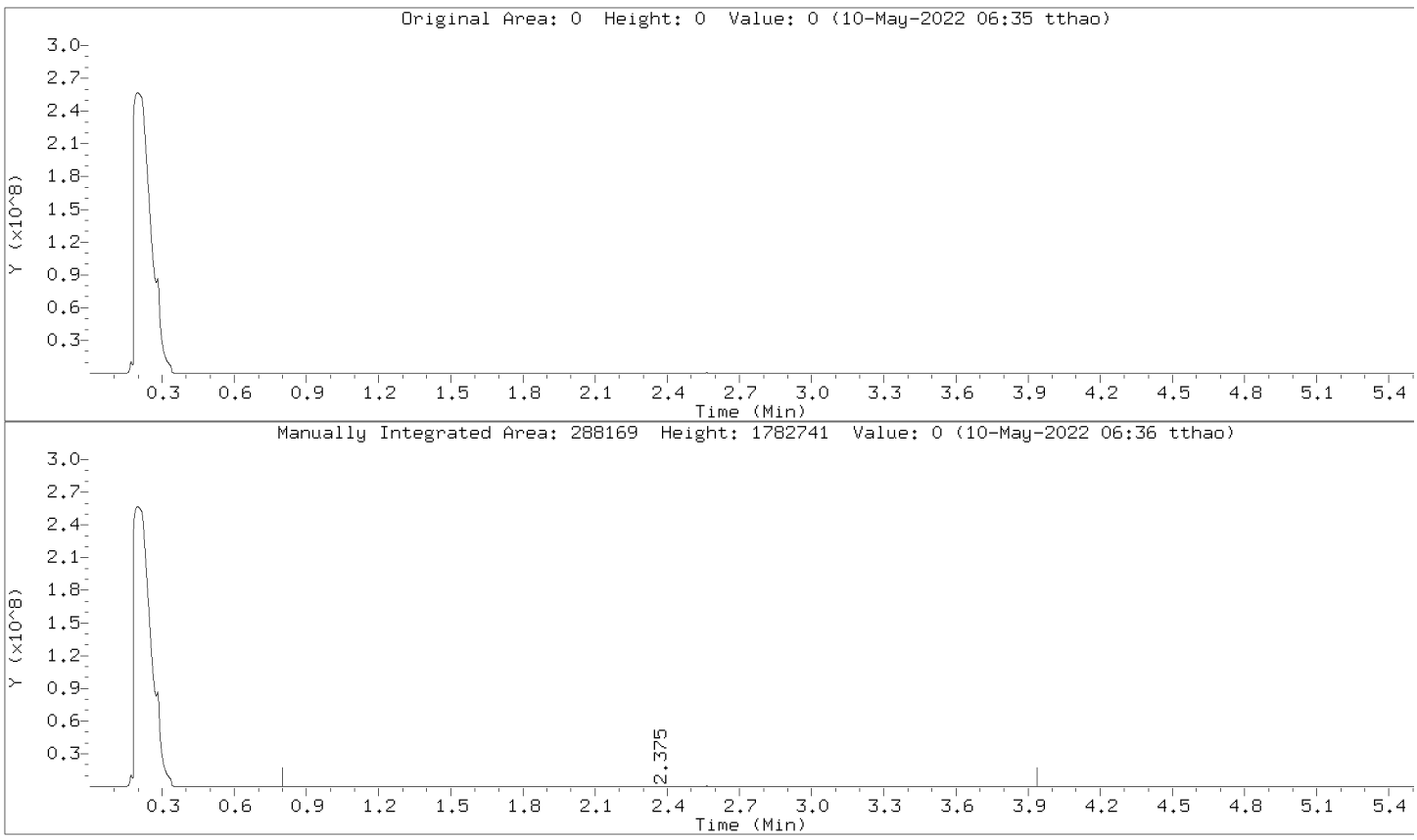
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



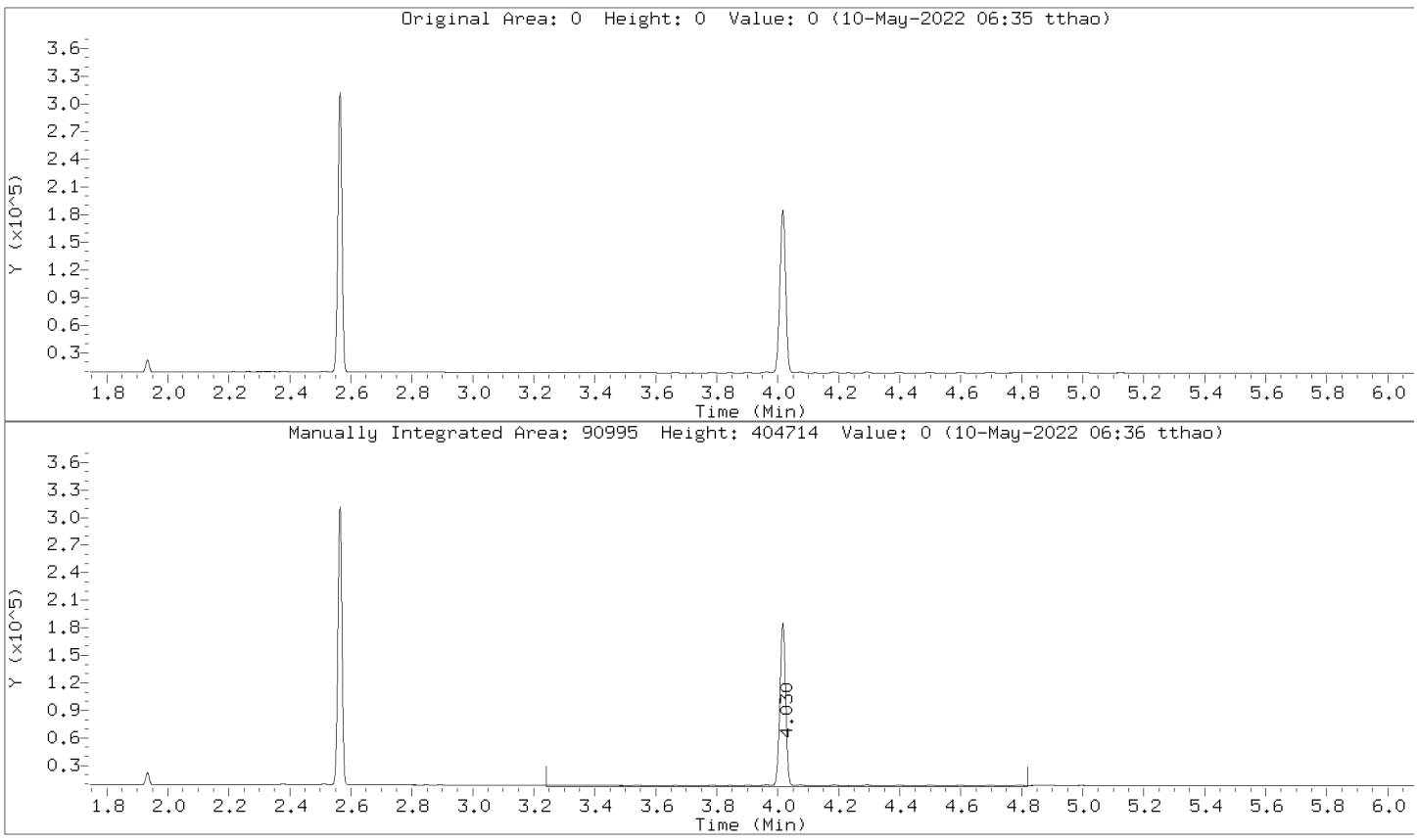
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



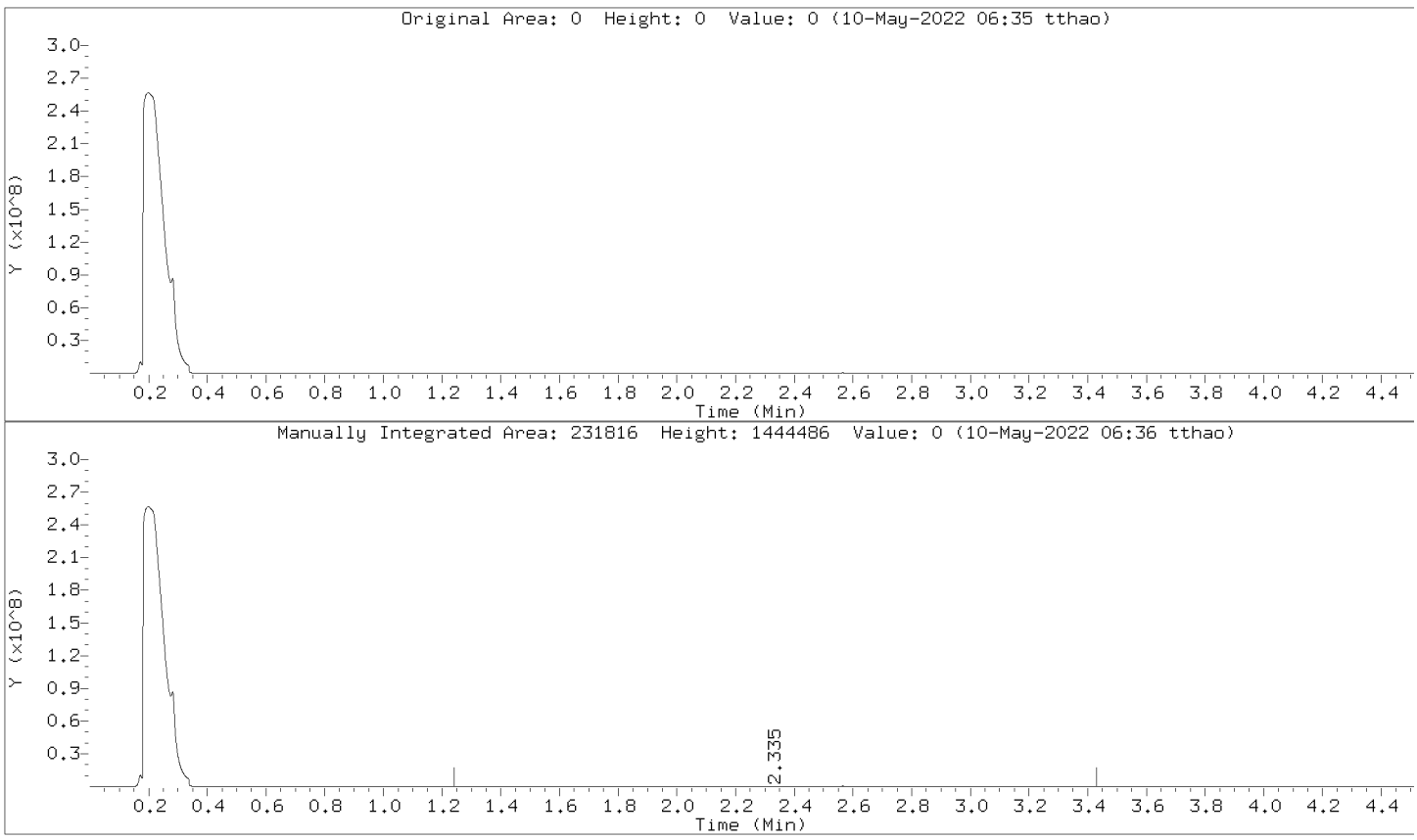
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



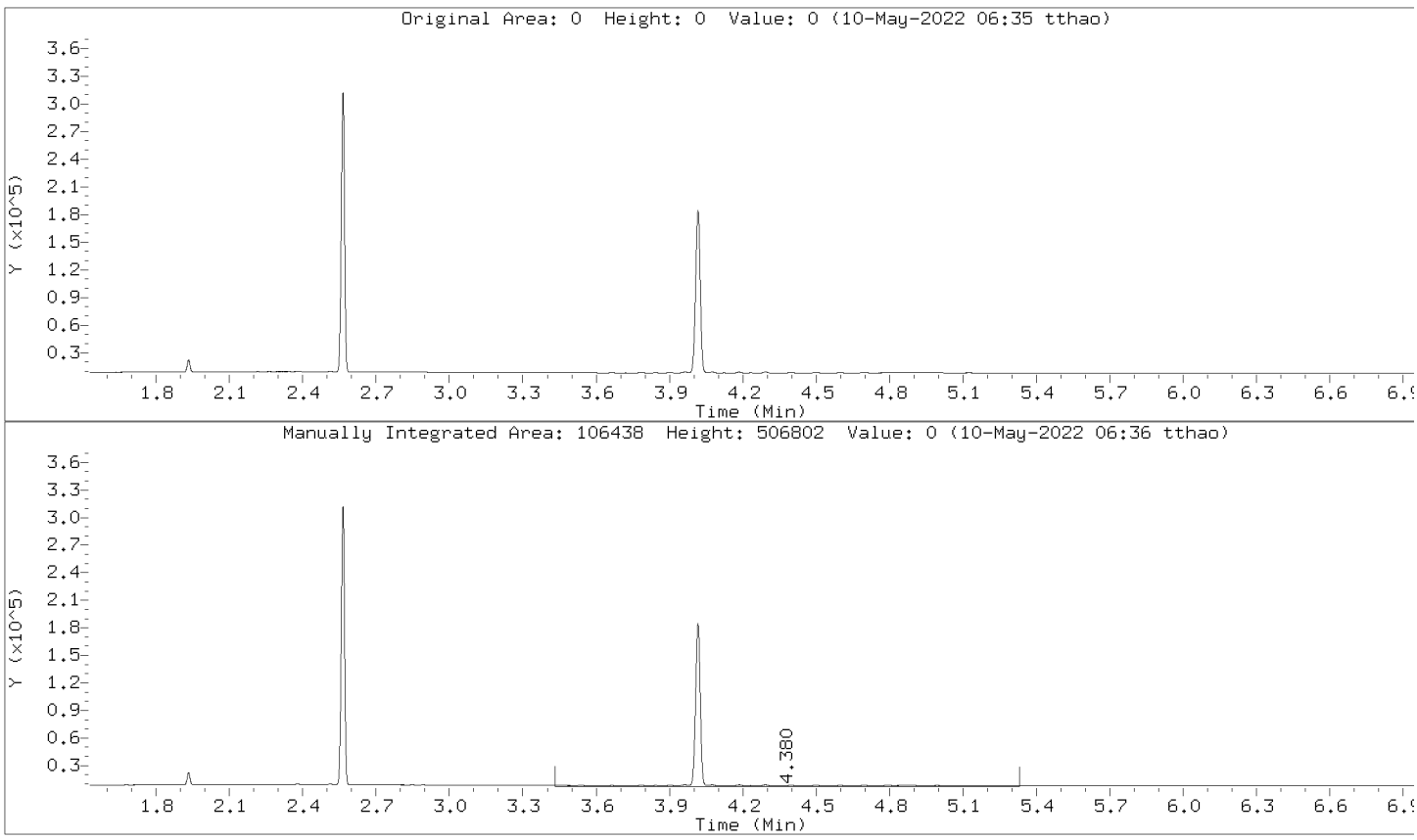
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



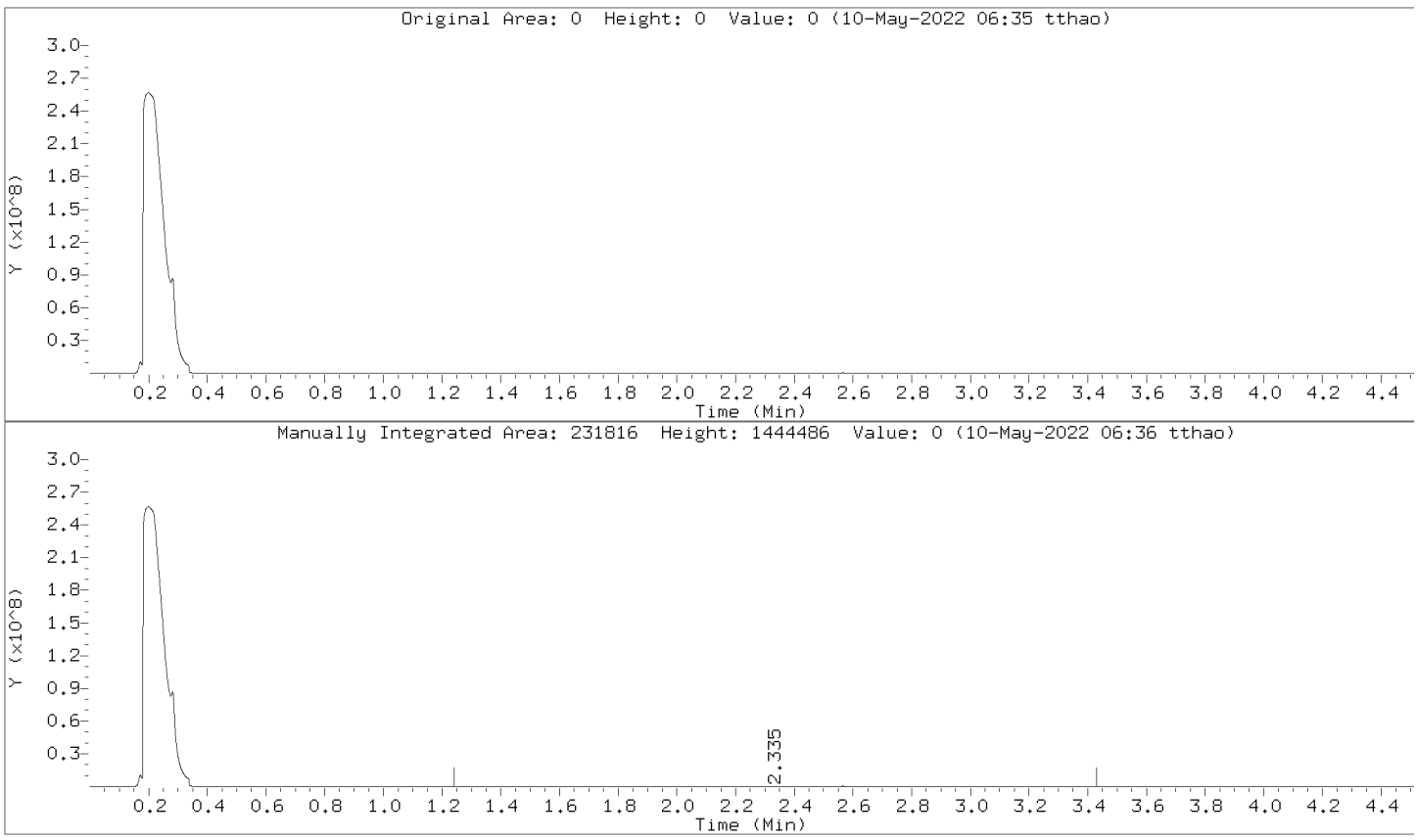
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



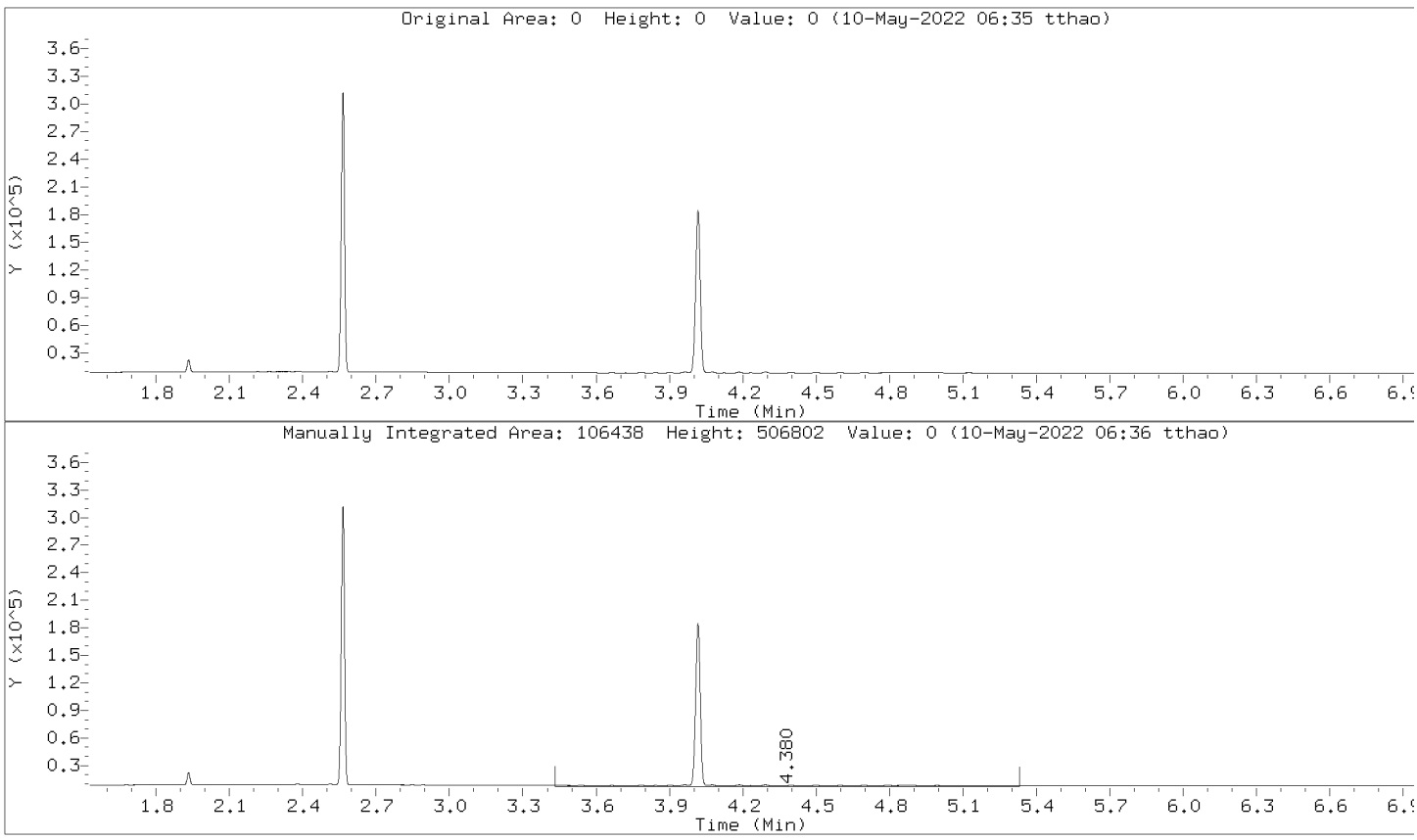
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



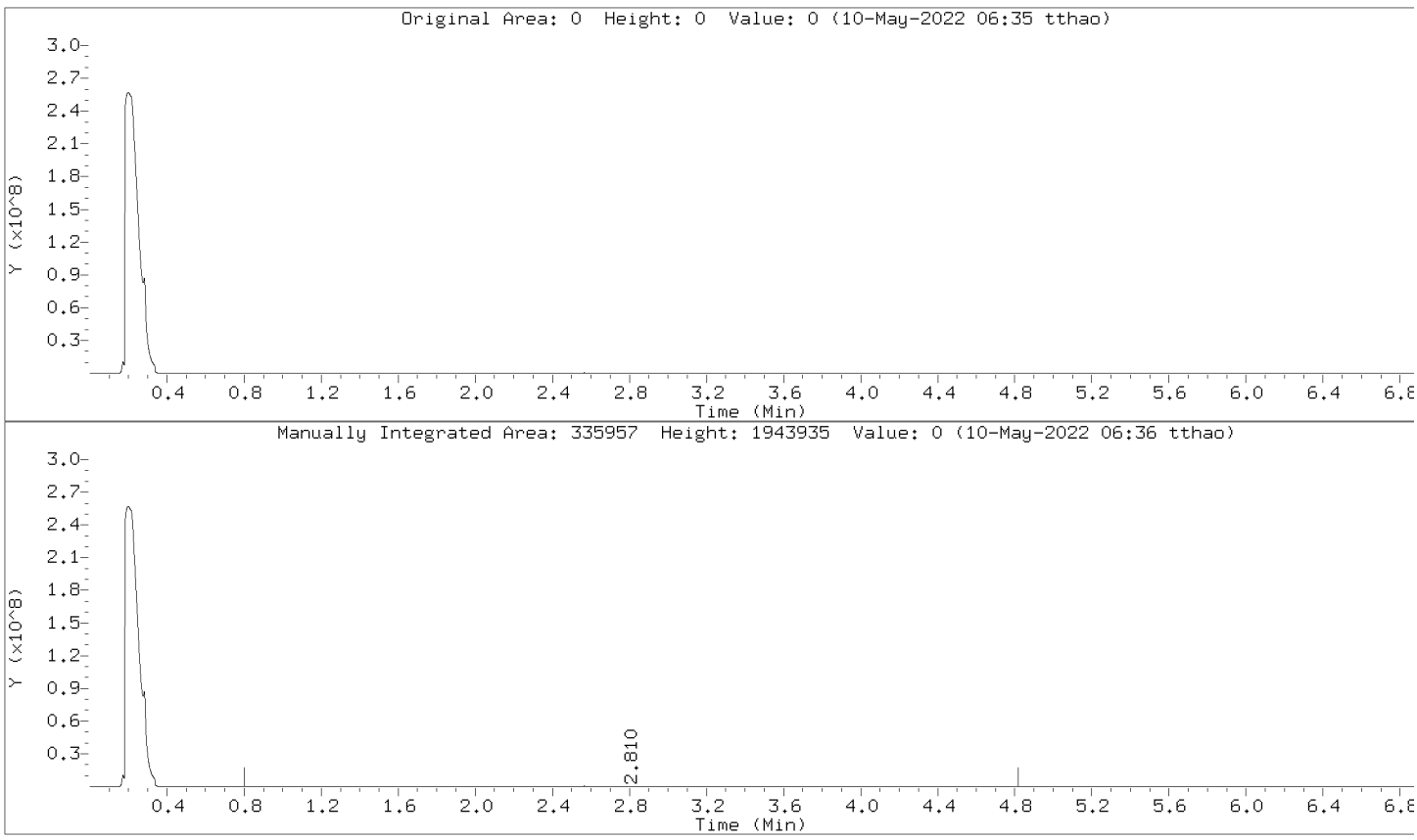
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



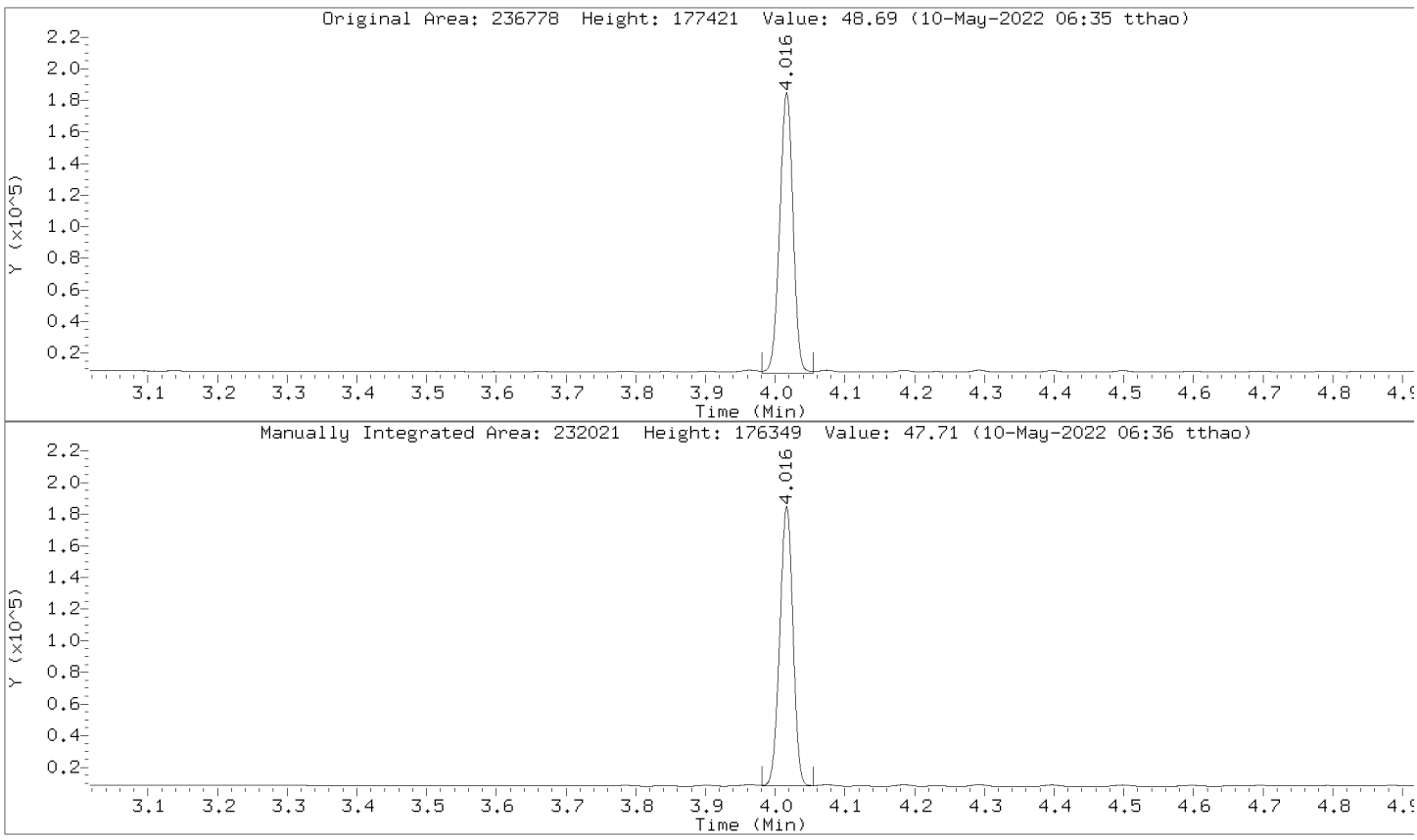
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: C10-C36 Review Code: RNG
CAS Number:



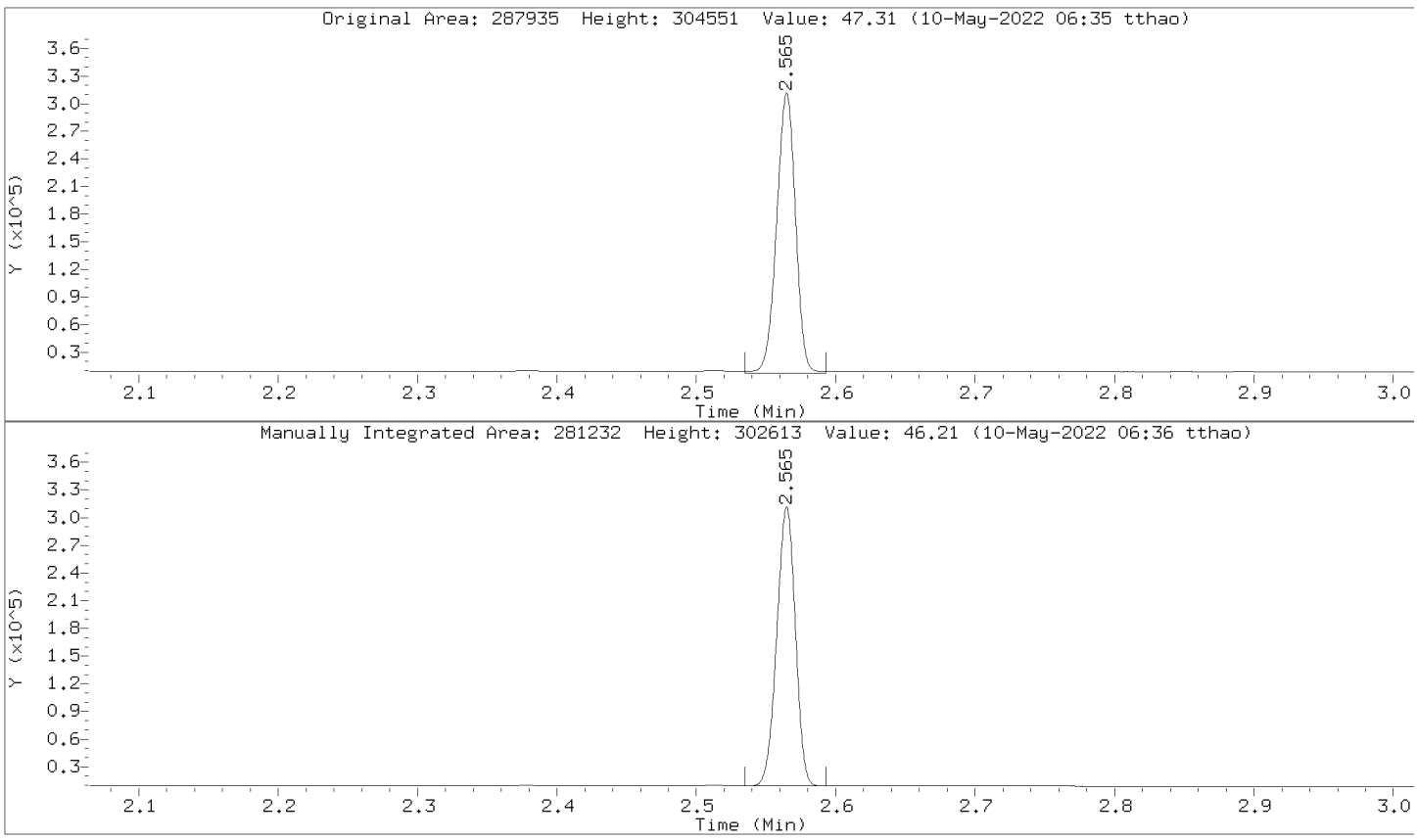
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	0	80663
DRO by AK 102	0	255294
TPH-DRO (C10-C28)	0	288169
Motor Oil Range (C24-C36)	0	90995
Diesel Fuel Range	0	231816
Motor Oil Range	0	106438
Diesel Fuel Range SG	0	231816
Motor Oil Range SG	0	106438
C10-C36	0	335957
n-Triacontane (S)	236778	232021
o-Terphenyl (S)	287935	281232

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000003.D
Lab Smp Id: DMO-RTM,365036:2 Client Smp ID: DMO-RTM,365036:2
Inj Date : 11-MAY-2022 13:45
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-rtm,365036:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 11-May-2022 15:29 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

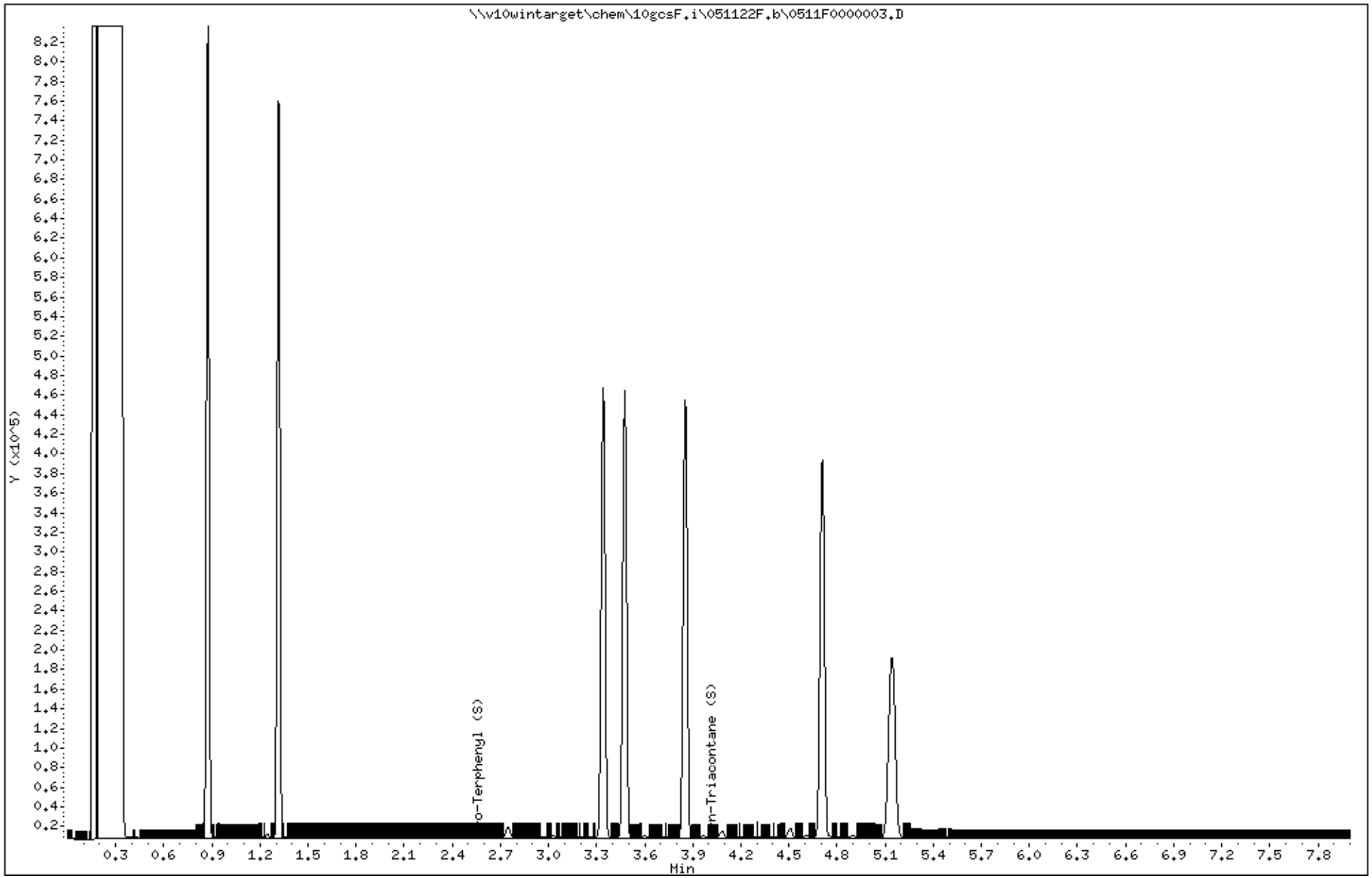
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/mL)	REVIEW CODE	
S 1 DRO by AK 102						CAS #:	
0.800	- 3.385		1959631	321.556	322		
$ 2 o-Terphenyl (S)						CAS #:	
2.565	2.566	-0.001	356	0.05850	0.0585		(R)
$ 3 n-Triacontane (S)						CAS #:	
4.023	4.025	-0.002	166	0.03413	0.0341		(R)
S 4 Residual Range Organics AK103						CAS #:	
3.386	- 4.800		1839761	544.678	545		
S 5 TPH-DRO (C10-C28)						CAS #:	
0.800	- 3.940		3141832	471.564	472		
S 6 Motor Oil Range (C24-C36)						CAS #:	
3.250	- 4.800		2418140	692.959	693		
S 7 C10-C36						CAS #:	
0.800	- 4.800		3799393	813.676	814		
S 8 Diesel Fuel Range						CAS #:	
1.240	- 3.440		1380903	257.922	258		
S 9 Diesel Fuel Range SG						CAS #:	
1.240	- 3.440		1380903	257.922	258		
S 10 Motor Oil Range						CAS #:	
3.441	- 5.260		2320387	567.183	567		
S 11 Motor Oil Range SG						CAS #:	
3.441	- 5.260		2320387	567.559	568		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000003.D
Date : 11-MAY-2022 13:45
Client ID: DMO-RTM,365036:2
Sample Info: DMO-RTM,365036:2

Instrument: 10gcsF.i
Operator: EB3
Column phase: DB-5-US21390001
Column diameter: 0.32



432 of 1320
360 of 777
10606395

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000003.D
Injection Date: 11-MAY-2022 13:45
Instrument: 10gcsF.i
Lab Sample ID: DMO-RTM,365036:2
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1839761	1839761
DRO by AK 102	1959631	1959631
TPH-DRO (C10-C28)	3141832	3141832
Motor Oil Range (C24-C36)	2418518	2418140
Diesel Fuel Range	1380445	1380903
Motor Oil Range	2324491	2320387
Diesel Fuel Range SG	1380445	1380903
Motor Oil Range SG	2324491	2320387
C10-C36	3799393	3799393
n-Triacontane (S)	166	166
o-Terphenyl (S)	356	356

SAMPLE NO.

29844123ICV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Calibration Date: 04/27/2022 Time: 15:04

Instrument ID: 10GCSF GC Column: FID Init. Calib. Date(s): 04/27/2022 04/27/2022

Lab File ID: 042722R.B\0427R0000019.D Init. Calib. Time(s): 13:00 14:42

SDG No.: 10606395

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	551.8944	0.0100	10.3789	15.0000
Motor Oil Range	Linear	500	549.0625	0.0100	9.8125	15.0000
n-Triacontane (S)	Linear	50	49.29993	0.0100	-1.4001	15.0000
o-Terphenyl (S)	Linear	50	52.07765	0.0100	4.1553	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

29940885CCV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota
Calibration Date: 05/02/2022 Time: 19:28

Instrument ID: 10GCSF GC Column: FID
Init. Calib. Date(s): 04/27/2022 04/27/2022

Lab File ID: 050222R.B\0502R0000030.D
Init. Calib. Time(s): 13:00 14:42

SDG No.: 10606395

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	512.1824	0.0100	2.4365	15.0000
Motor Oil Range	Linear	500	519.5084	0.0100	3.9017	15.0000
n-Triacontane (S)	Linear	50	49.51426	0.0100	-0.9715	15.0000
o-Terphenyl (S)	Linear	50	48.93177	0.0100	-2.1365	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

29940884CCV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Calibration Date: 05/02/2022 Time: 21:10

Instrument ID: 10GCSF GC Column: FID Init. Calib. Date(s): 04/27/2022 04/27/2022

Lab File ID: 050222R.B\0502R0000041.D Init. Calib. Time(s): 13:00 14:42

SDG No.: 10606395

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	506.2076	0.0100	1.2415	15.0000
Motor Oil Range	Linear	500	509.6090	0.0100	1.9218	15.0000
n-Triacontane (S)	Linear	50	50.10416	0.0100	0.2083	15.0000
o-Terphenyl (S)	Linear	50	48.53151	0.0100	-2.9370	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

29929189ICV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota
Calibration Date: 05/09/2022 Time: 17:27

Instrument ID: 10GCSF GC Column: FID
Init. Calib. Date(s): 05/09/2022 05/09/2022

Lab File ID: 050922F.B\0509F0000035.D
Init. Calib. Time(s): 15:19 17:04

SDG No.: 10606395

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	521.2485	0.0100	4.2497	15.0000
Motor Oil Range	Linear	500	509.6966	0.0100	1.9393	15.0000
n-Triacontane (S)	Averaged	4863.151	4934.100	0.0100	1.4589	15.0000
o-Terphenyl (S)	Averaged	6085.641	5925.220	0.0100	-2.6361	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

29964171CCV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Calibration Date: 05/11/2022 Time: 06:39

Instrument ID: 10GCSF GC Column: FID Init. Calib. Date(s): 05/09/2022 05/09/2022

Lab File ID: 051022F.B\0510F0000105.D Init. Calib. Time(s): 15:19 17:04

SDG No.: 10606395

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	548.4805	0.0100	9.6961	15.0000
Motor Oil Range	Linear	500	592.6948	0.0100	18.5390*	15.0000
n-Triacontane (S)	Averaged	4863.151	5153.240	0.0100	5.9650	15.0000
o-Terphenyl (S)	Averaged	6085.641	6241.920	0.0100	2.5680	15.0000

* - Value lies outside of established control limits.

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

29969737CCV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Calibration Date: 05/11/2022 Time: 08:33

Instrument ID: 10GCSF GC Column: FID Init. Calib. Date(s): 05/09/2022 05/09/2022

Lab File ID: 051022F.B\0510F0000115.D Init. Calib. Time(s): 15:19 17:04

SDG No.: 10606395

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	510.7571	0.0100	2.1514	15.0000
Motor Oil Range	Linear	500	501.5497	0.0100	0.3100	15.0000
n-Triacontane (S)	Averaged	4863.151	4881.500	0.0100	0.3773	15.0000
o-Terphenyl (S)	Averaged	6085.641	5930.900	0.0100	-2.5427	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

29969738CCV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Calibration Date: 05/11/2022 Time: 12:20

Instrument ID: 10GCSF GC Column: FID Init. Calib. Date(s): 05/09/2022 05/09/2022

Lab File ID: 051022F.B\0510F0000135.D Init. Calib. Time(s): 15:19 17:04

SDG No.: 10606395

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	514.9766	0.0100	2.9953	15.0000
Motor Oil Range	Linear	500	512.3110	0.0100	2.4622	15.0000
n-Triacontane (S)	Averaged	4863.151	4860.140	0.0100	-0.0619	15.0000
o-Terphenyl (S)	Averaged	6085.641	5931.320	0.0100	-2.5358	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

29949982CCV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota
Calibration Date: 05/11/2022 Time: 13:56

Instrument ID: 10GCSF GC Column: FID
Init. Calib. Date(s): 05/09/2022 05/09/2022

Lab File ID: 051122F.B\0511F0000004.D
Init. Calib. Time(s): 15:19 17:04

SDG No.: 10606395

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	521.7384	0.0100	4.3477	15.0000
Motor Oil Range	Linear	500	480.8067	0.0100	-3.8387	15.0000
n-Triacontane (S)	Averaged	4863.151	4885.020	0.0100	0.4497	15.0000
o-Terphenyl (S)	Averaged	6085.641	5983.300	0.0100	-1.6817	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000019.D
Lab Smp Id: DMO-ICV,355155:2 Client Smp ID: DMO-ICV,355155:2
Inj Date : 27-APR-2022 15:04
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-icv,355155:2
Misc Info : 39205
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\042722R.b\GCSFakNW8015-042722_3920
Meth Date : 27-Apr-2022 16:06 ebearrood Quant Type: ESTD
Cal Date : 27-APR-2022 14:42 Cal File: 0427R0000017.D
Als bottle: 88 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

				AMOUNTS				
					CAL-AMT	ON-COL		
	RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S	1 DRO by AK 102					CAS #:		
	0.885 - 3.540			3511427	500.000	550	(M)	RNG
$	2 o-Terphenyl (S)					CAS #:		
	2.685	2.685	0.000	347844	50.0000	52.1	(M)	BA
$	3 n-Triacontane (S)					CAS #:		
	4.192	4.193	-0.001	257941	50.0000	49.3	(M)	BA
S	4 Residual Range Organics AK103					CAS #:		
	3.541 - 5.020			2016357	500.000	546	(M)	RNG
S	5 TPH-DRO (C10-C28)					CAS #:		
	0.885 - 4.099			3998930	500.000	549	(M)	RNG
S	6 Motor Oil Range (C24-C36)					CAS #:		
	3.400 - 5.020			2116930	500.000	549	(M)	RNG
S	7 C10-C36					CAS #:		
	0.885 - 5.020			5533336	1000.00	1100	(M)	RNG
S	8 Diesel Fuel Range					CAS #:		
	1.340 - 3.580			2969593	500.000	552	(M)	RNG
S	9 Diesel Fuel Range SG					CAS #:		
	1.340 - 3.580			2969593	500.000	552	(M)	RNG
S	10 Motor Oil Range					CAS #:		
	3.581 - 5.740			2537766	500.000	549	(M)	RNG
S	11 Motor Oil Range SG					CAS #:		
	3.581 - 5.740			2537766	500.000	549	(M)	RNG

QC Flag Legend

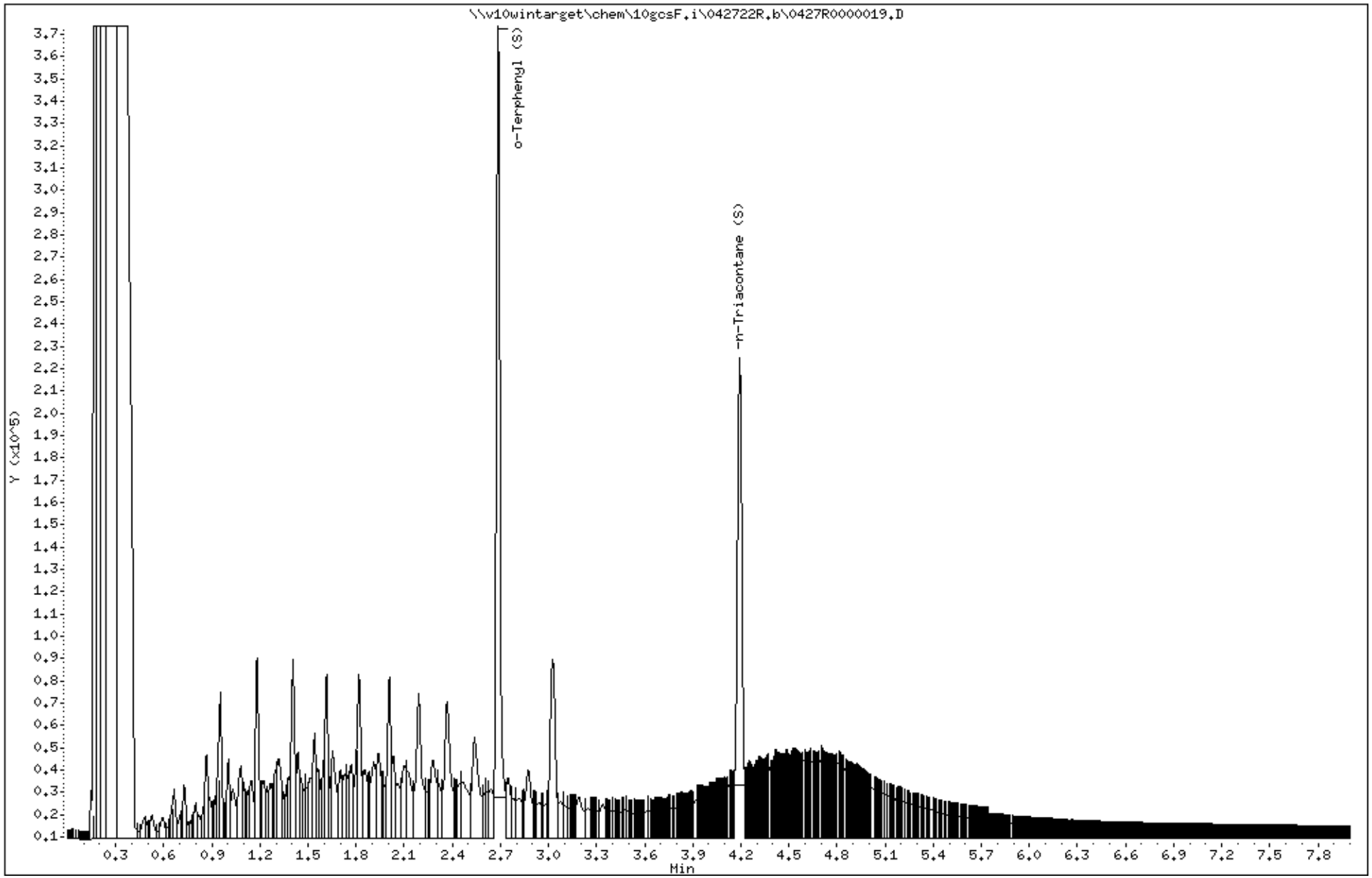
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\042722R.b\0427R0000019.D
Date : 27-APR-2022 15:04
Client ID: DMO-ICV,355155:2
Sample Info: DMO-ICV,355155:2

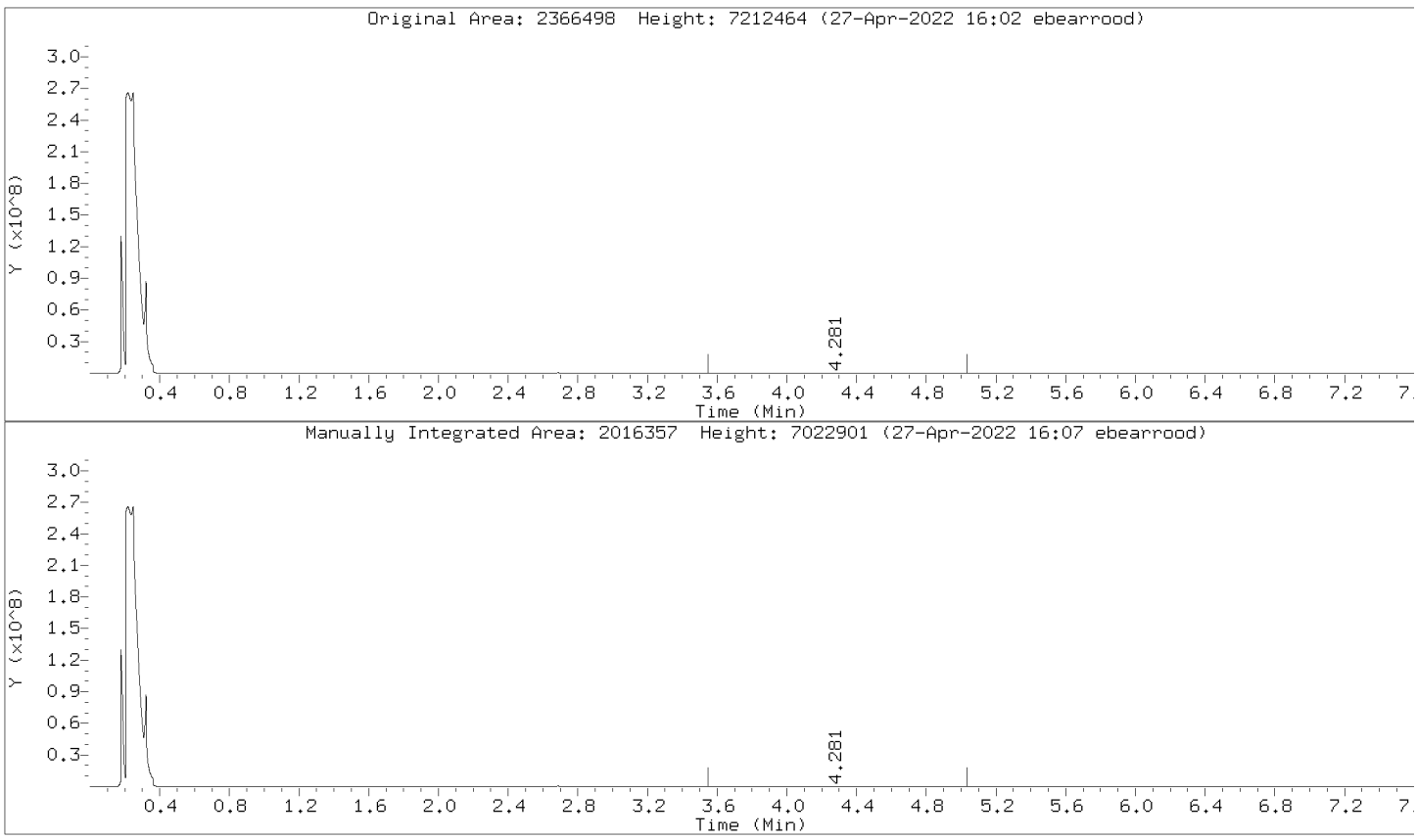
Instrument: 10gcsF.i
Operator: EB3
Column phase: DB-5-US21430033
Column diameter: 0.32



444 of 1320
372 of 777
10606395

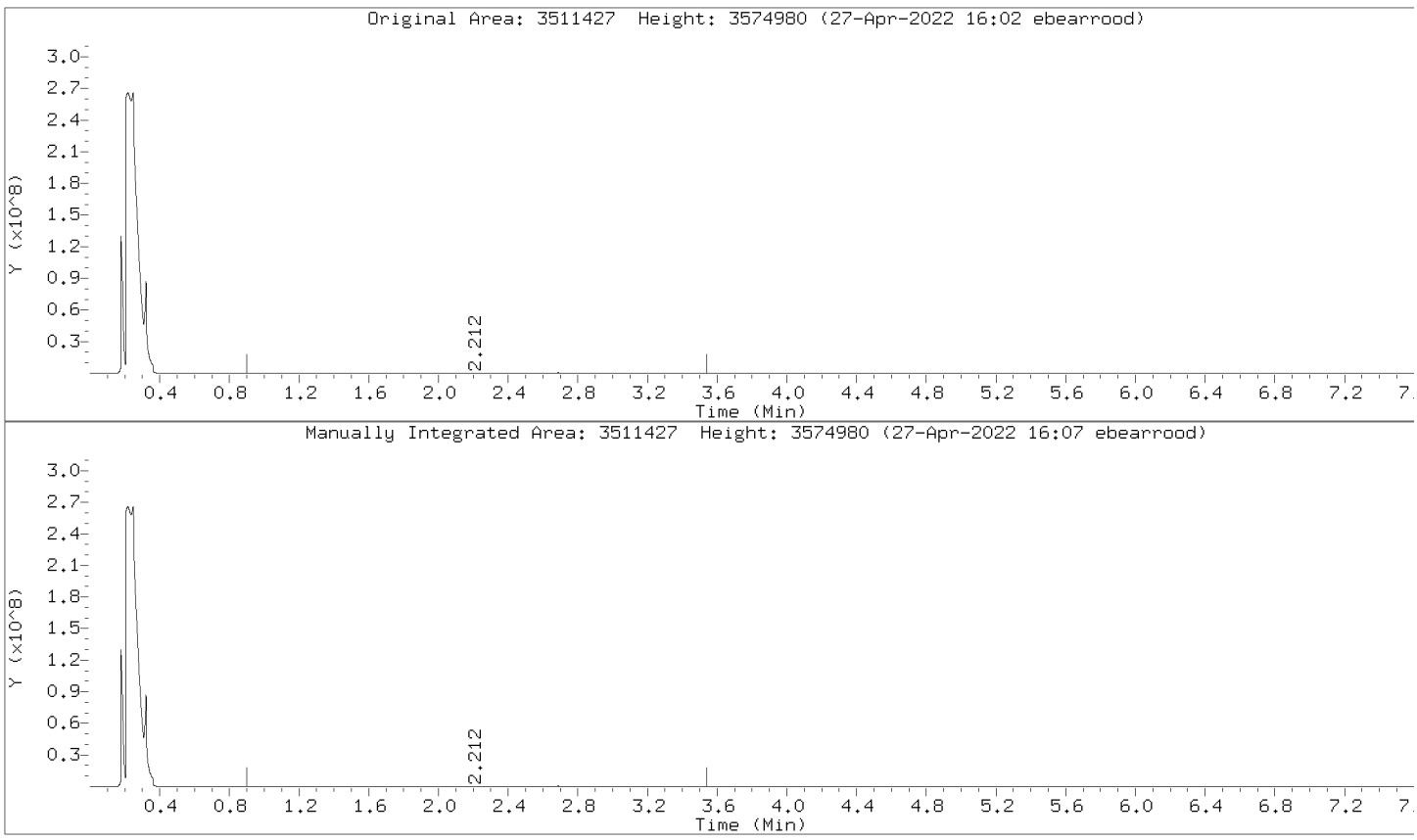
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000019.D
Injection Date: 27-APR-2022 15:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,355155:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



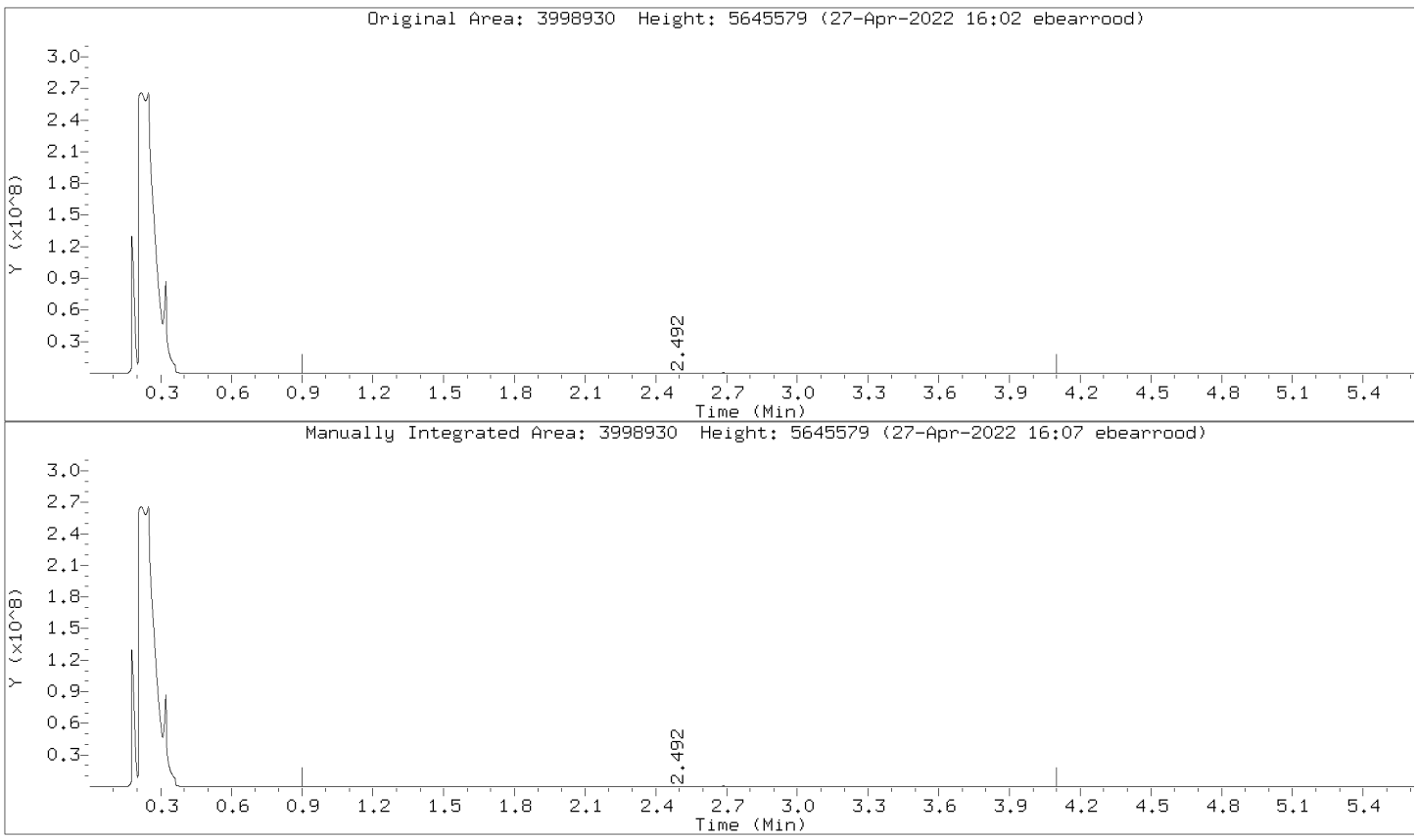
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000019.D
Injection Date: 27-APR-2022 15:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,355155:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



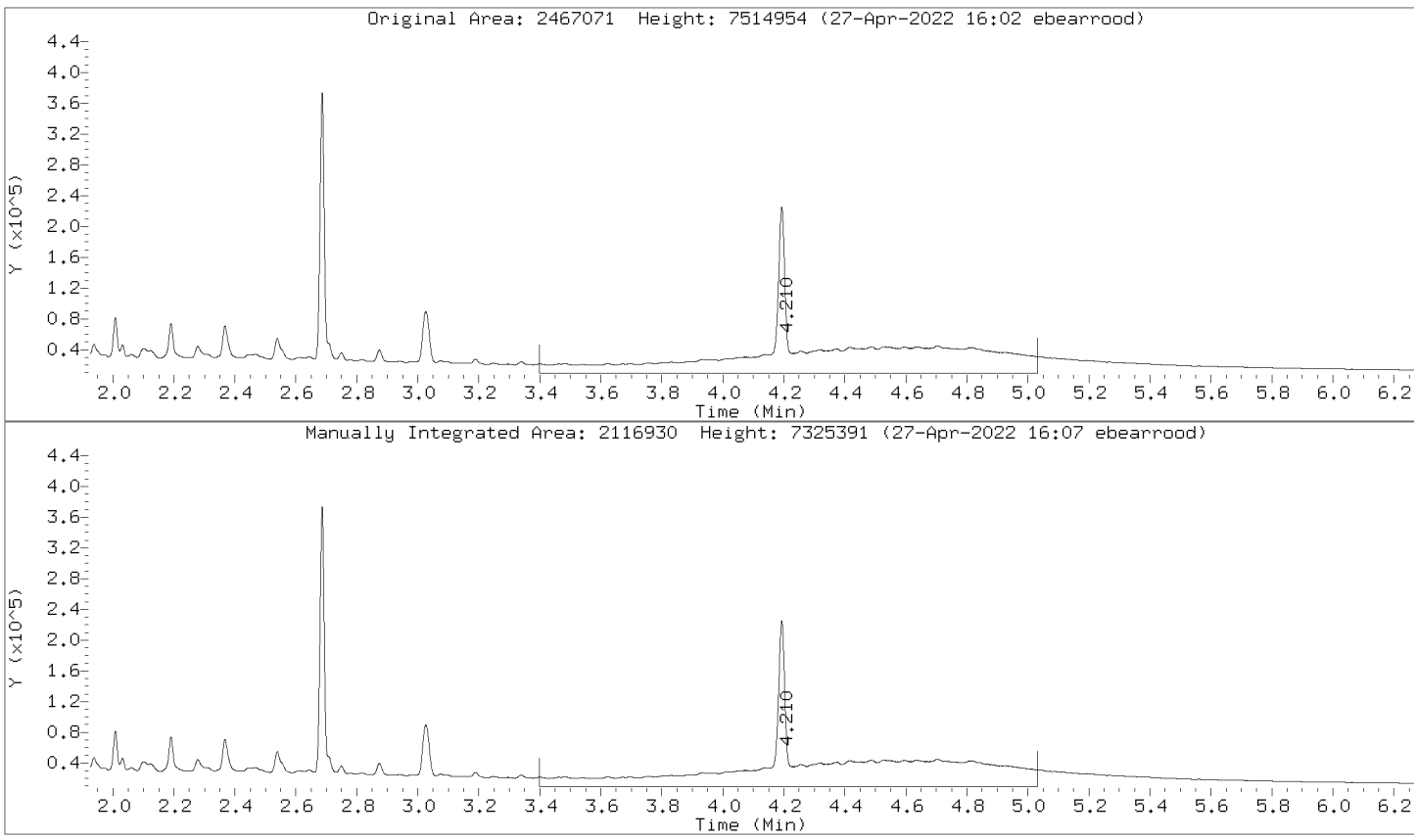
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000019.D
Injection Date: 27-APR-2022 15:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,355155:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



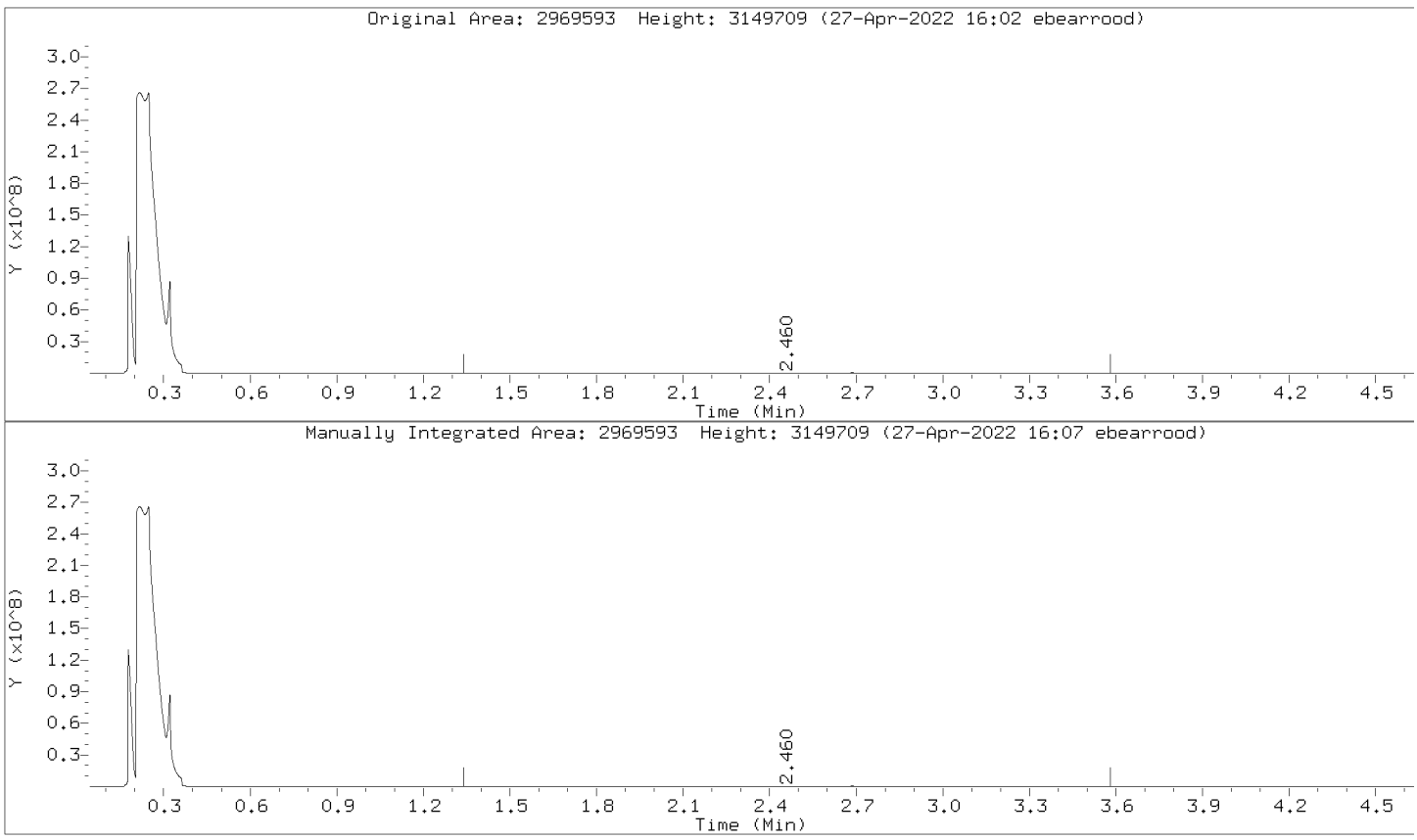
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000019.D
Injection Date: 27-APR-2022 15:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,355155:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



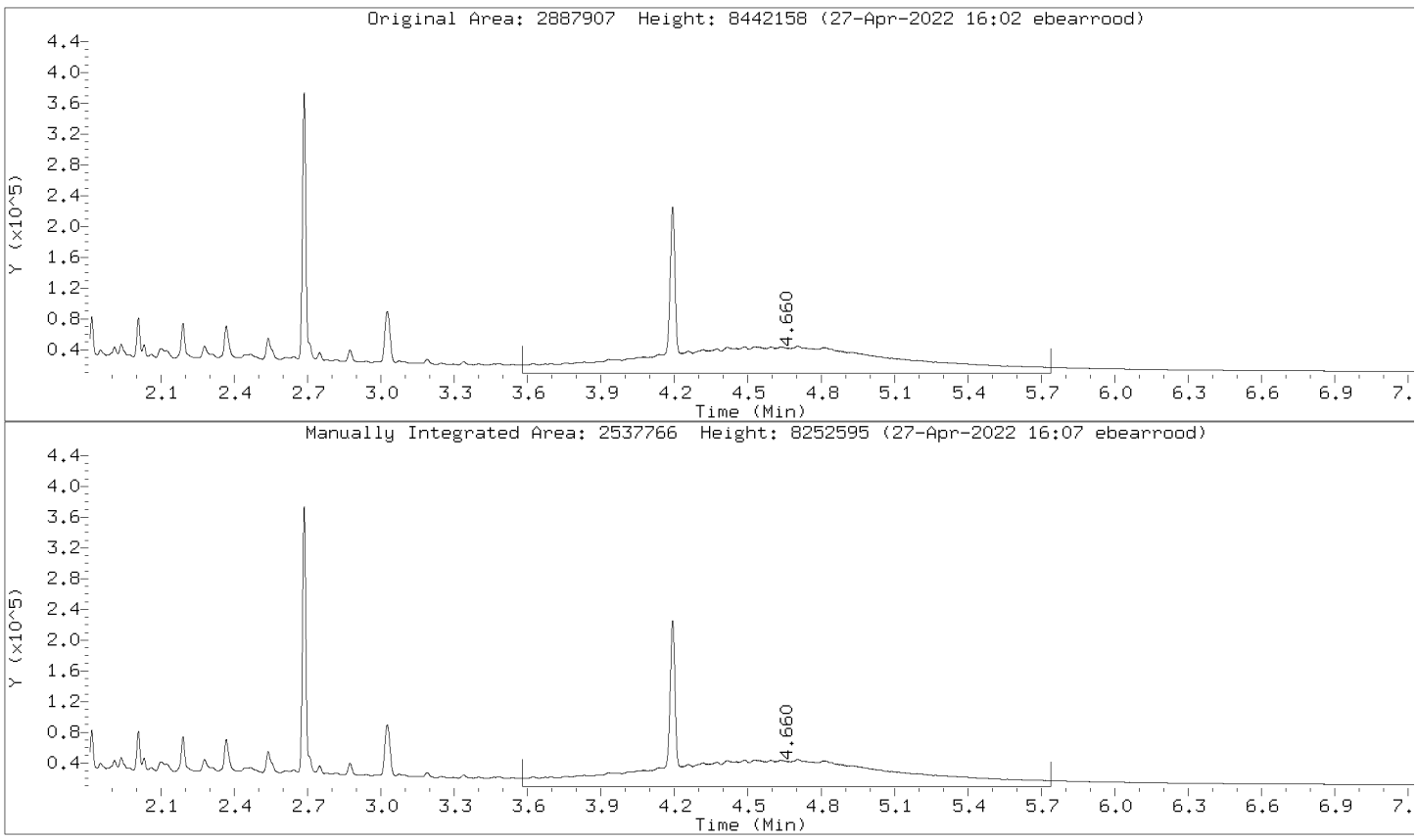
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000019.D
Injection Date: 27-APR-2022 15:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,355155:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



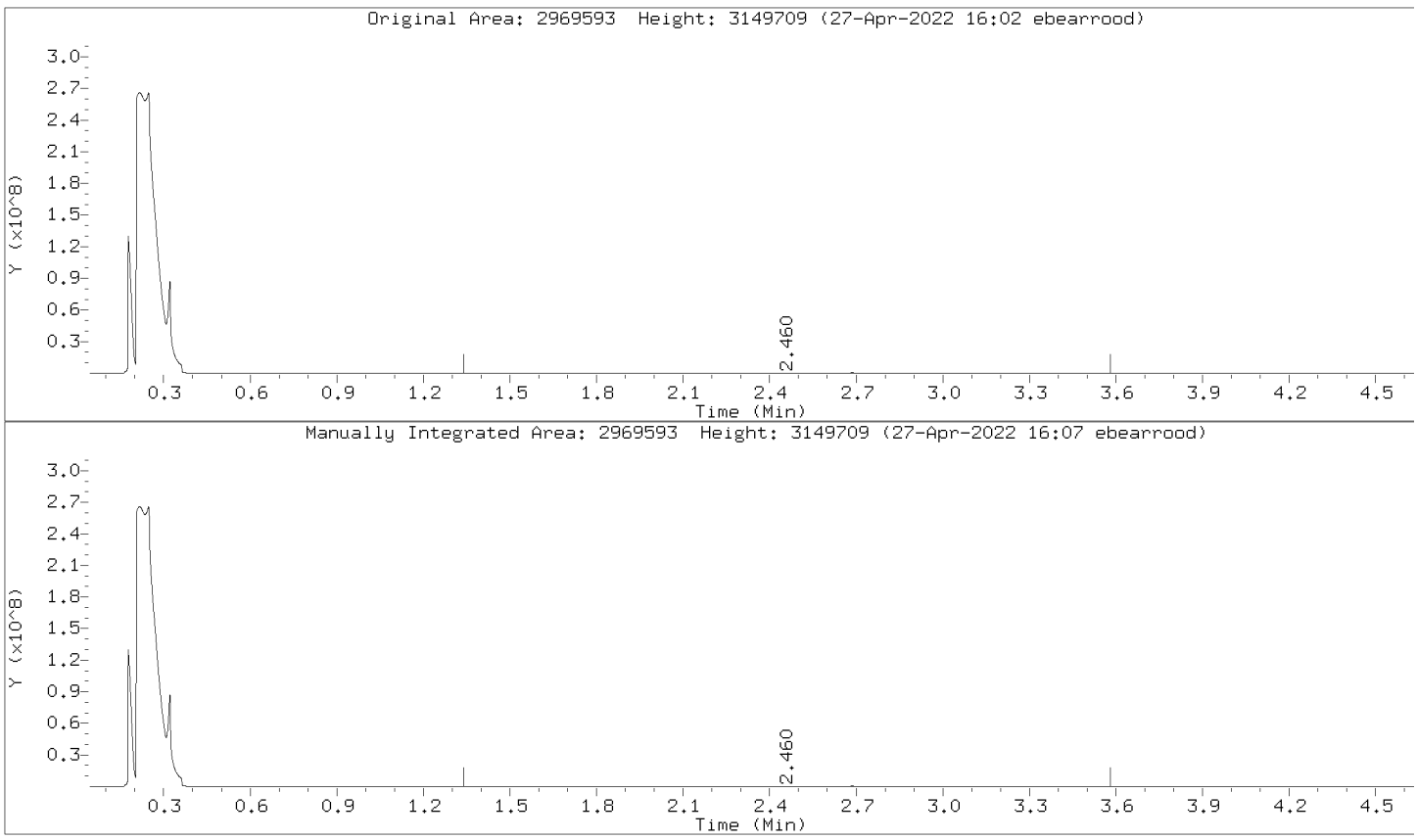
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000019.D
Injection Date: 27-APR-2022 15:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,355155:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



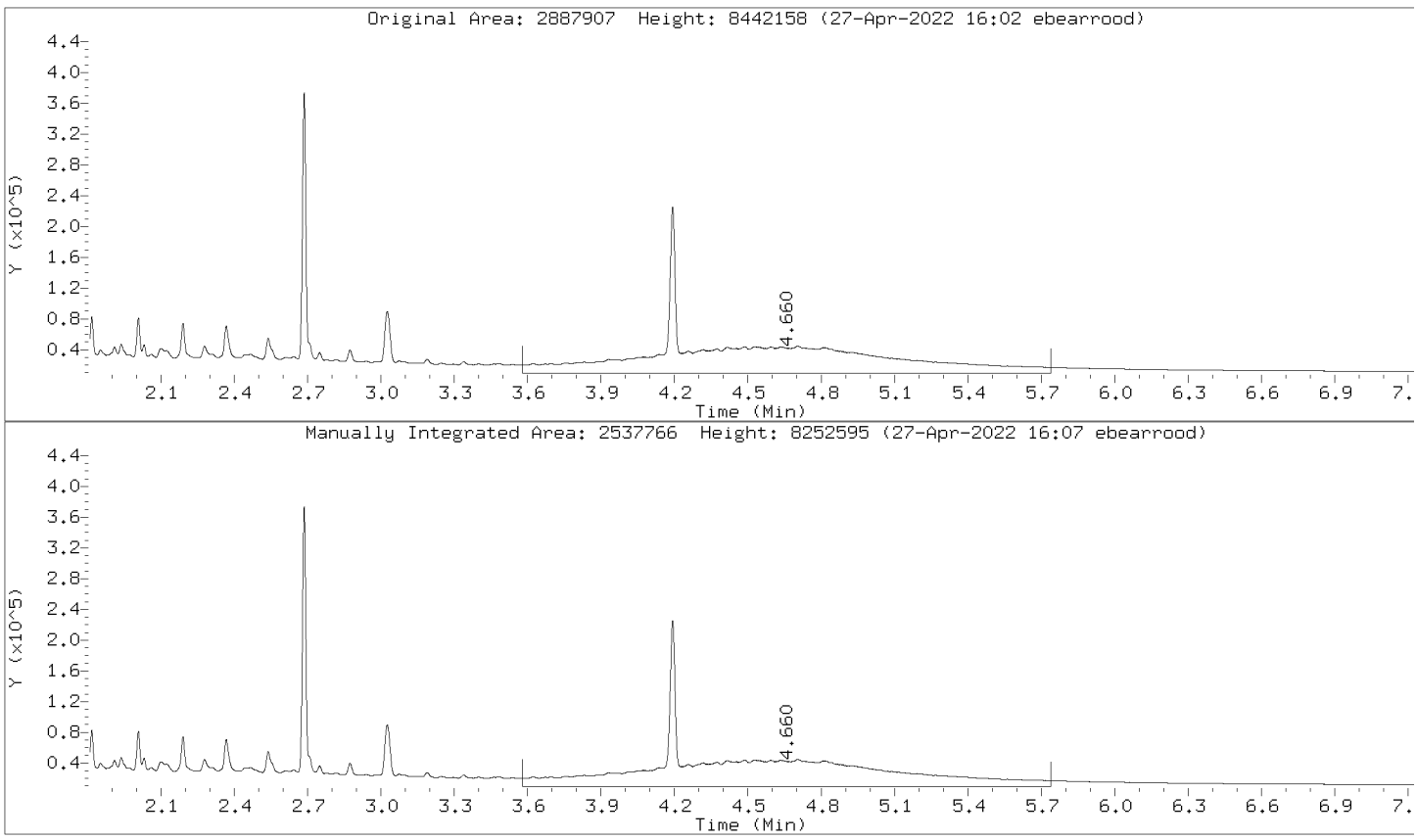
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000019.D
Injection Date: 27-APR-2022 15:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,355155:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



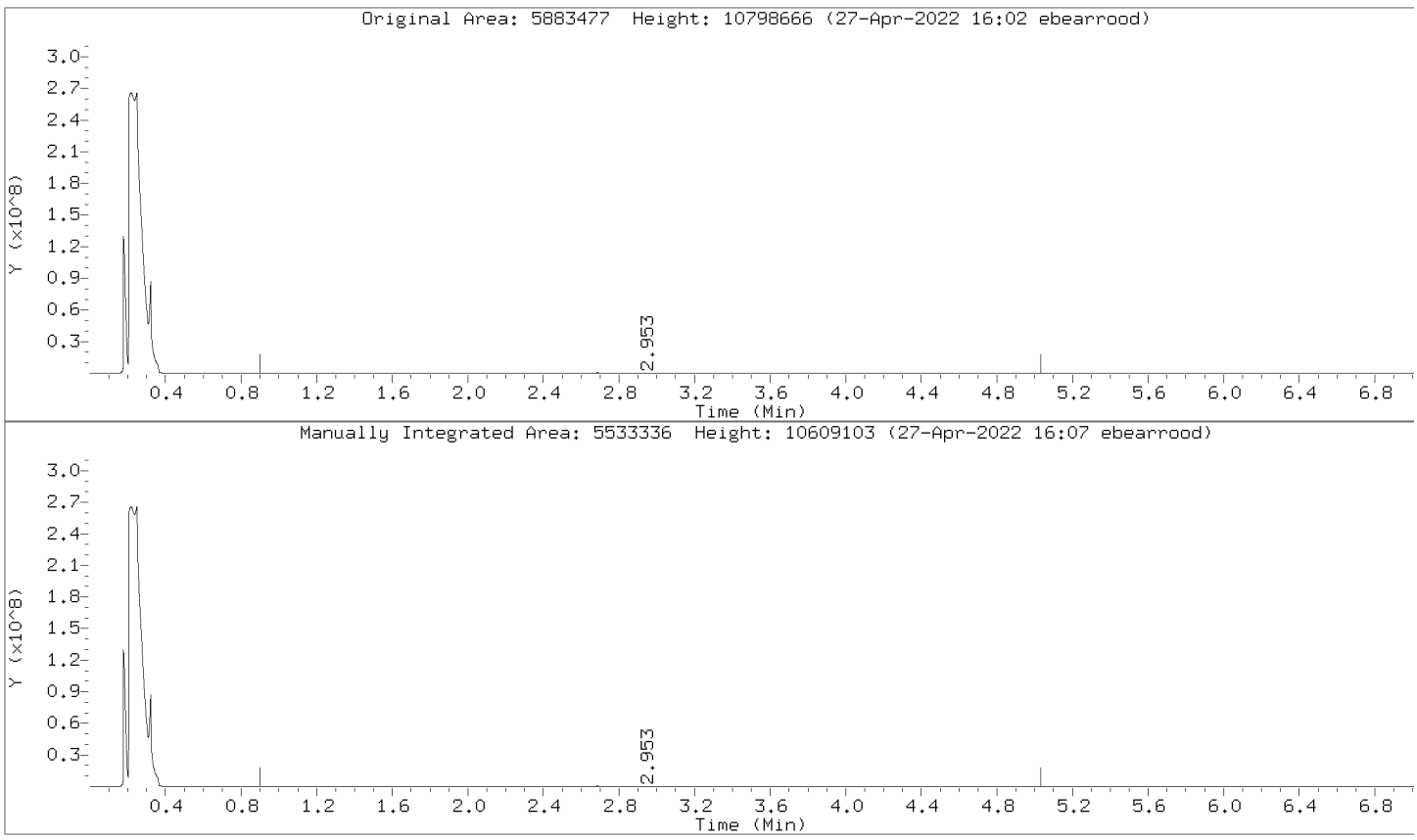
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000019.D
Injection Date: 27-APR-2022 15:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,355155:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



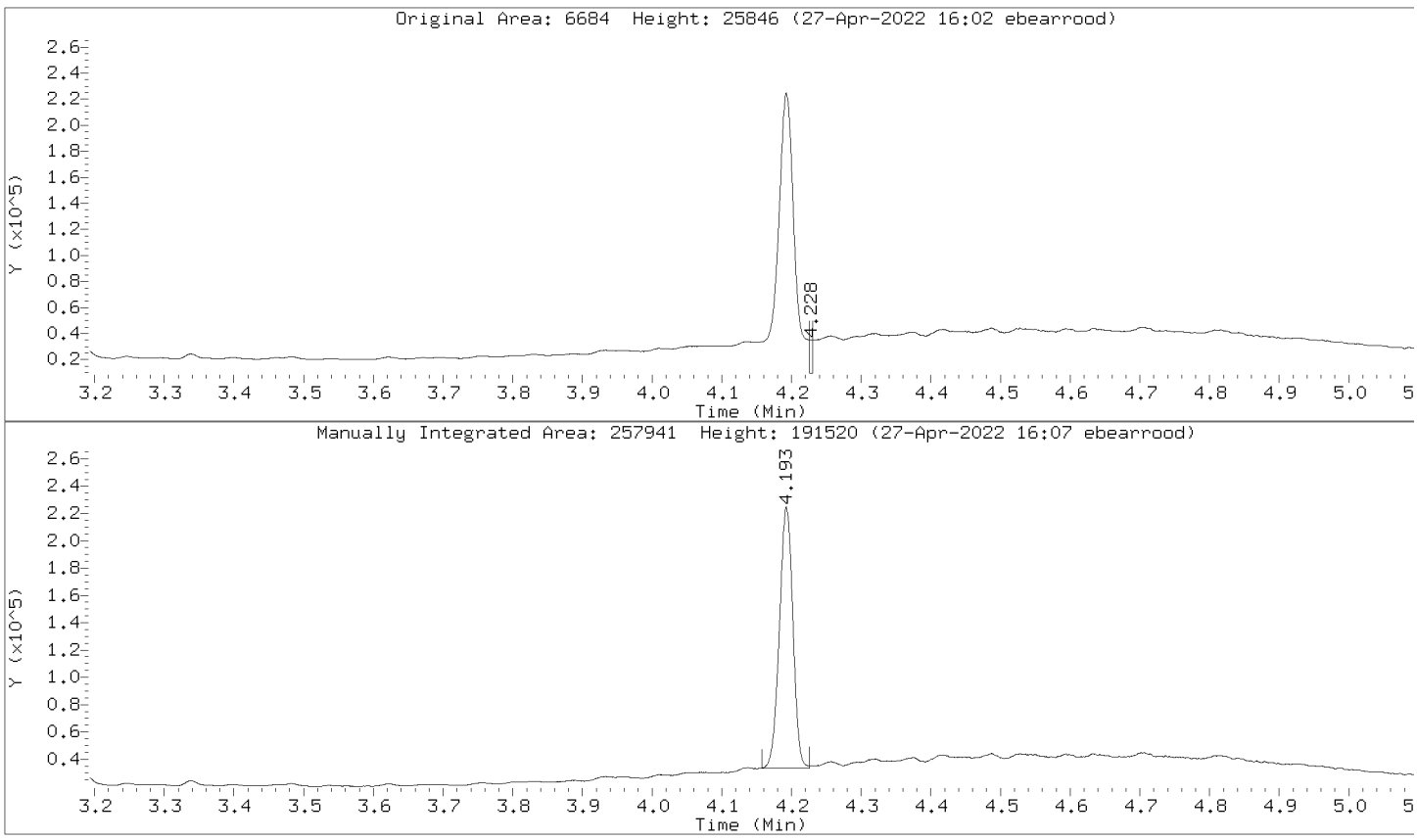
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000019.D
Injection Date: 27-APR-2022 15:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,355155:2

Compound: C10-C36 Review Code: RNG
CAS Number:



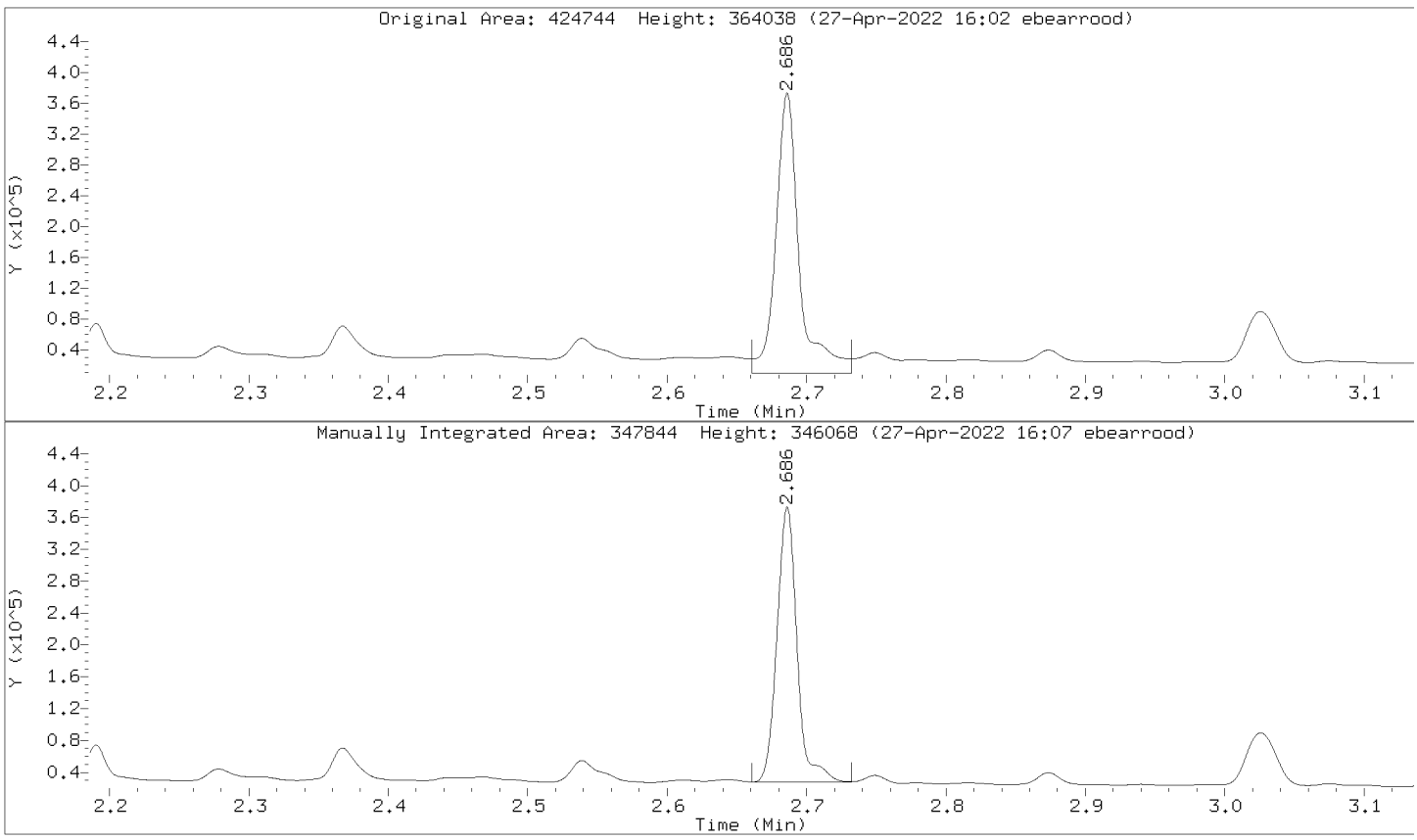
Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000019.D
Injection Date: 27-APR-2022 15:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,355155:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\042722R.b/0427R0000019.D
Injection Date: 27-APR-2022 15:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,355155:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050222R.b\0502R0000030.D
Lab Smp Id: DMO-CCV,363721:2 Client Smp ID: DMO-CCV,363721:2
Inj Date : 02-MAY-2022 19:28
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-ccv,363721:2
Misc Info : 39205
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050222R.b\GCSFakNW8015-042722_3920
Meth Date : 06-May-2022 08:44 rgustafson Quant Type: ESTD
Cal Date : 27-APR-2022 14:42 Cal File: 0427R0000017.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10SVOA-TT

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.880	- 3.600		3287397	500.000	510	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.711	2.713	-0.002	327071	50.0000	48.9	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.260	4.262	-0.002	259047	50.0000	49.5	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.601	- 5.180		1897229	500.000	512	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.880	- 4.200		3781526	500.000	516	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.450	- 5.180		1991603	500.000	514	(M)	RNG
S 7 C10-C36					CAS #:		
0.880	- 5.180		5184627	1000.00	1020	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.350	- 3.650		2778603	500.000	512	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.350	- 3.650		2778603	500.000	512	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.651	- 6.100		2407440	500.000	520	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.651	- 6.100		2407440	500.000	520	(M)	RNG

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

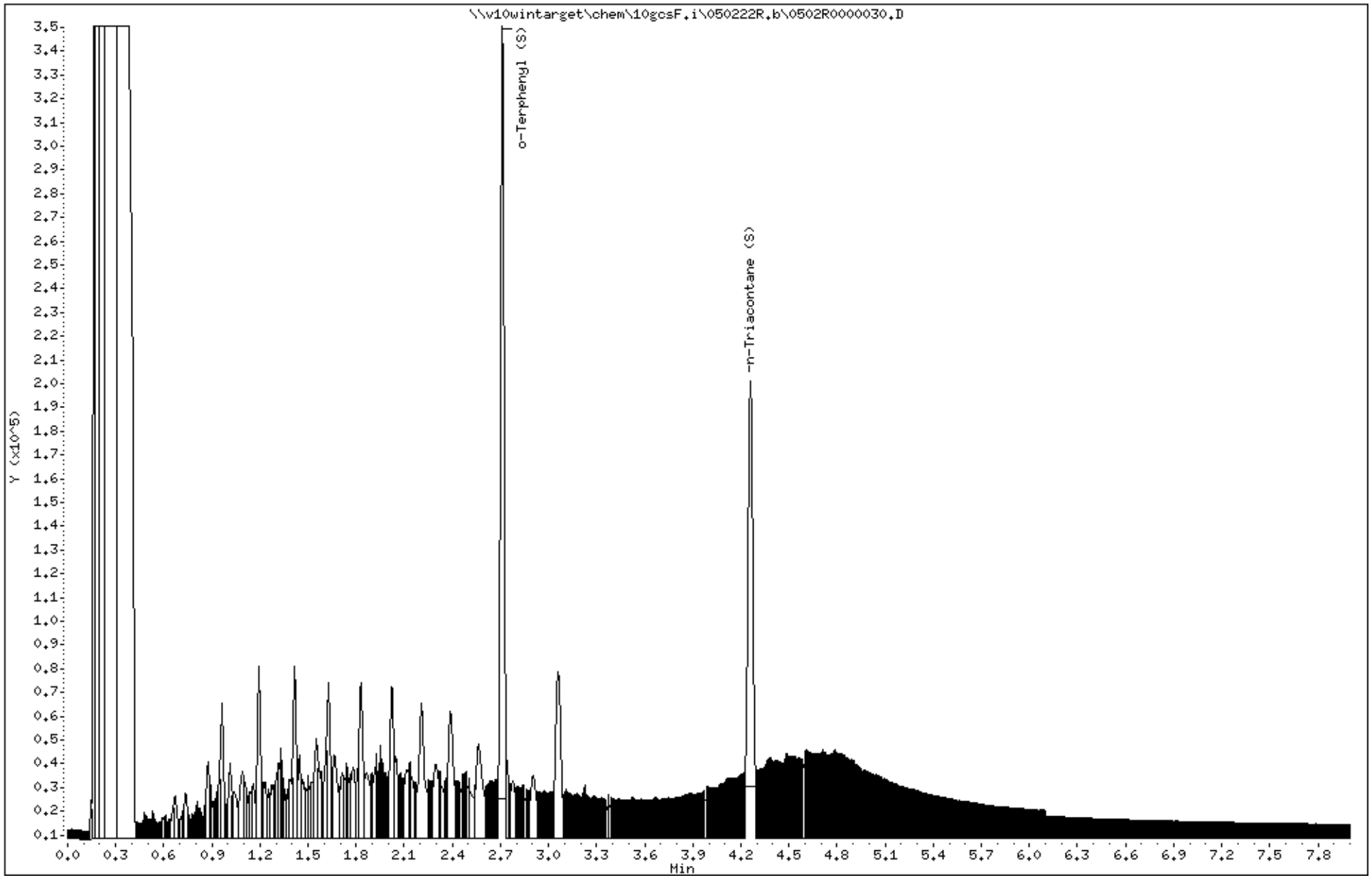
RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050222R.b\0502R0000030.D
Date : 02-MAY-2022 19:28
Client ID: DMO-CCV,363721:2
Sample Info: DMO-CCV,363721:2

Column phase: DB-5-US21430033

Instrument: 10gcsF.i

Operator: TT2
Column diameter: 0.32



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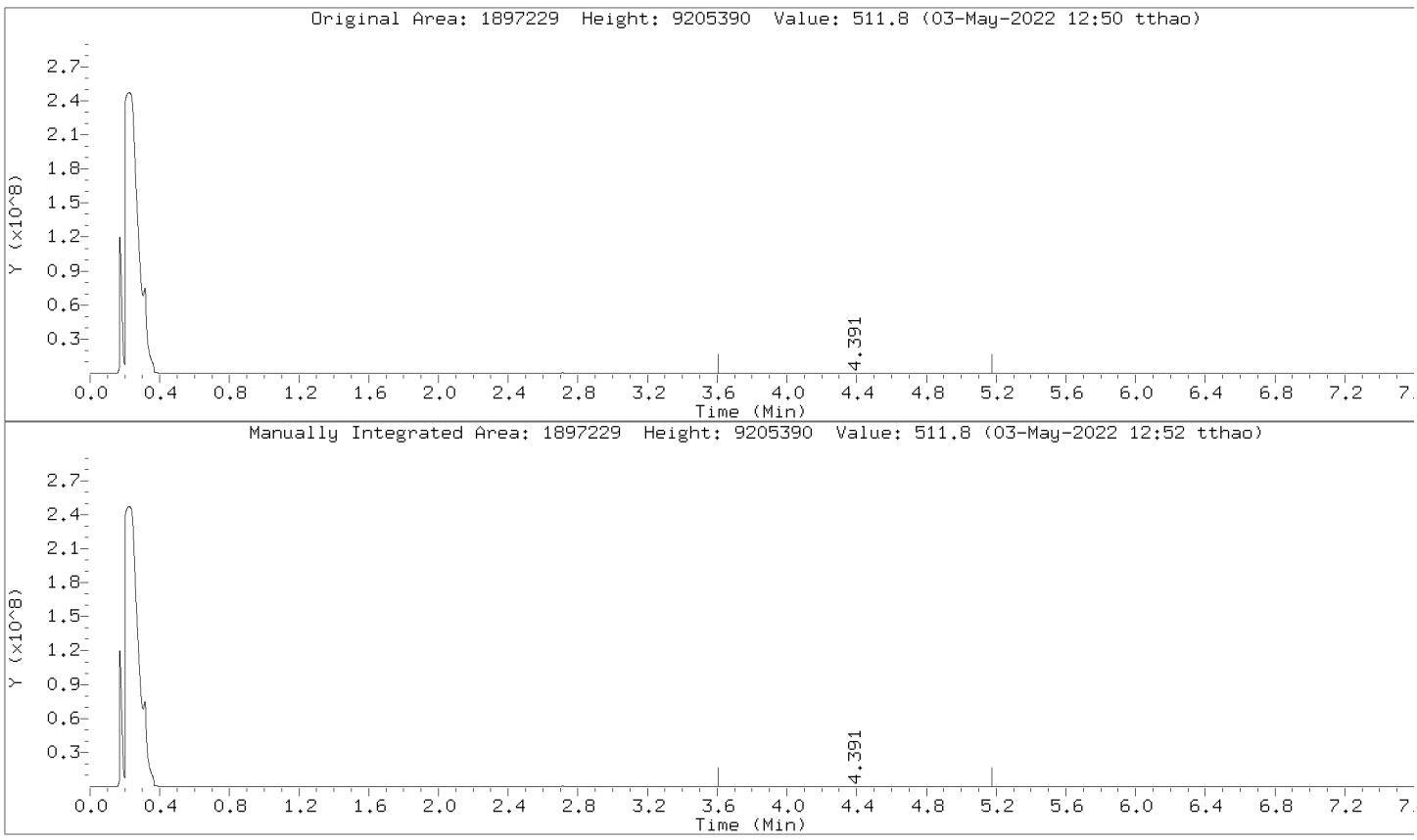
386 of 777
10606395

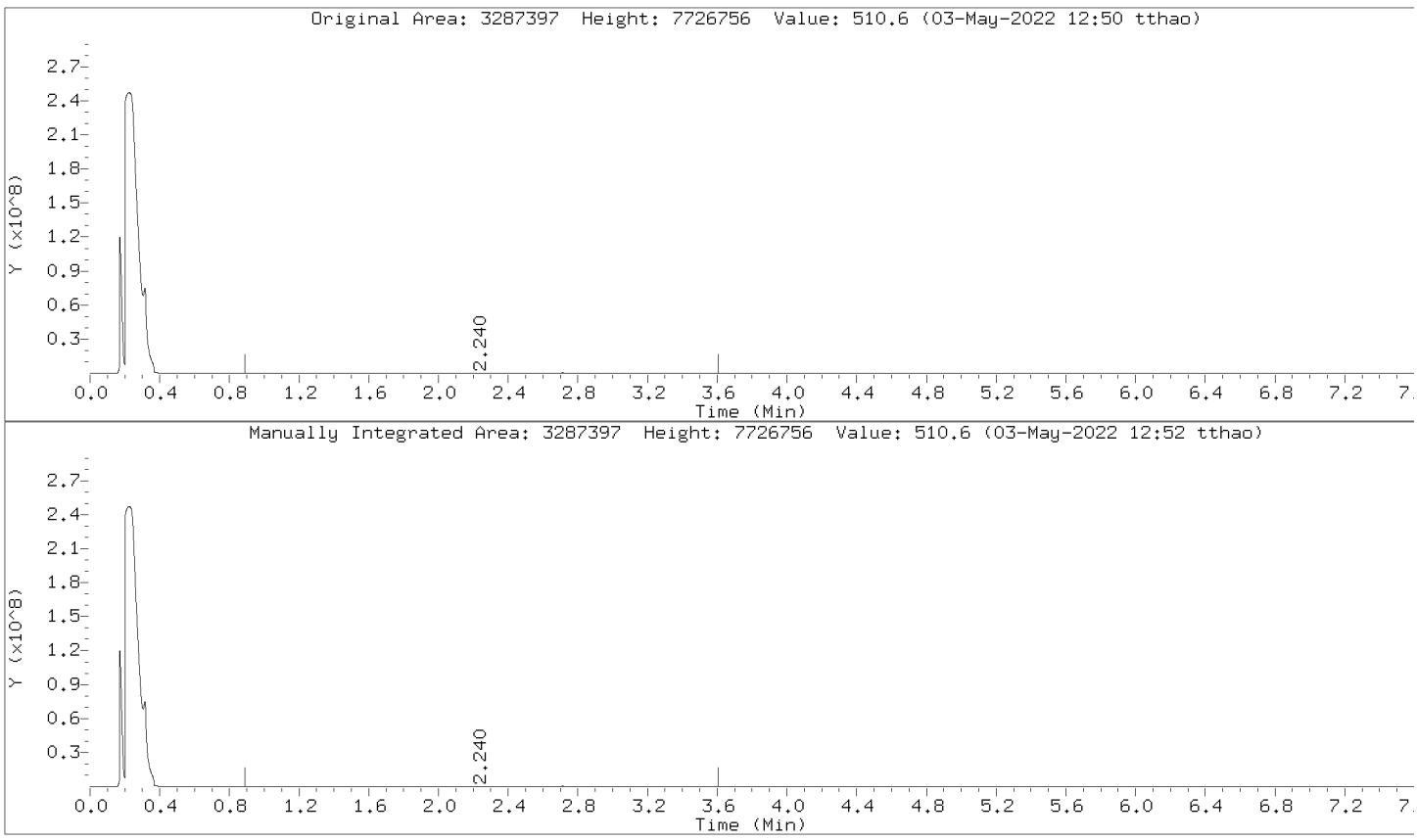
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000030.D
Injection Date: 02-MAY-2022 19:28
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



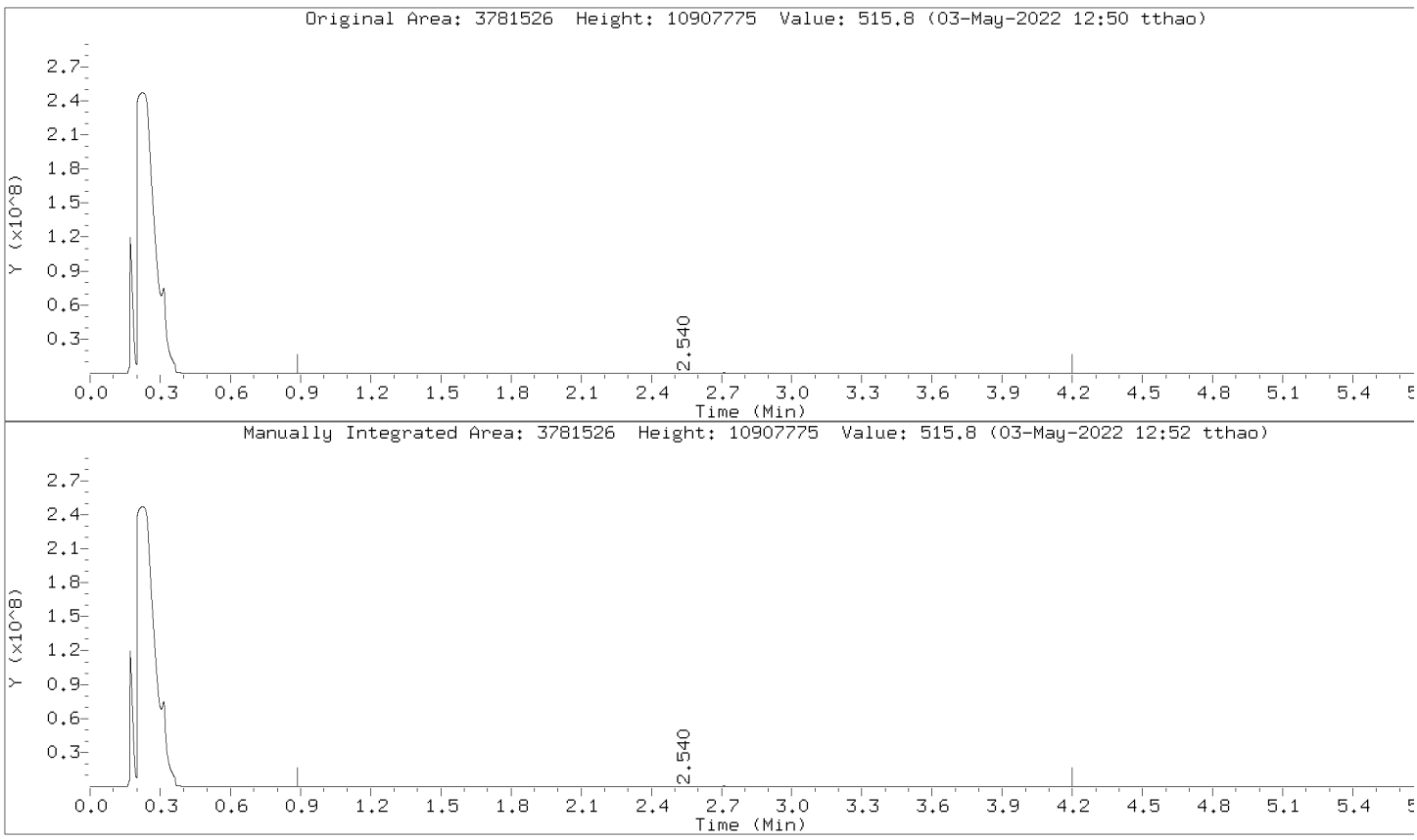
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000030.D
Injection Date: 02-MAY-2022 19:28
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



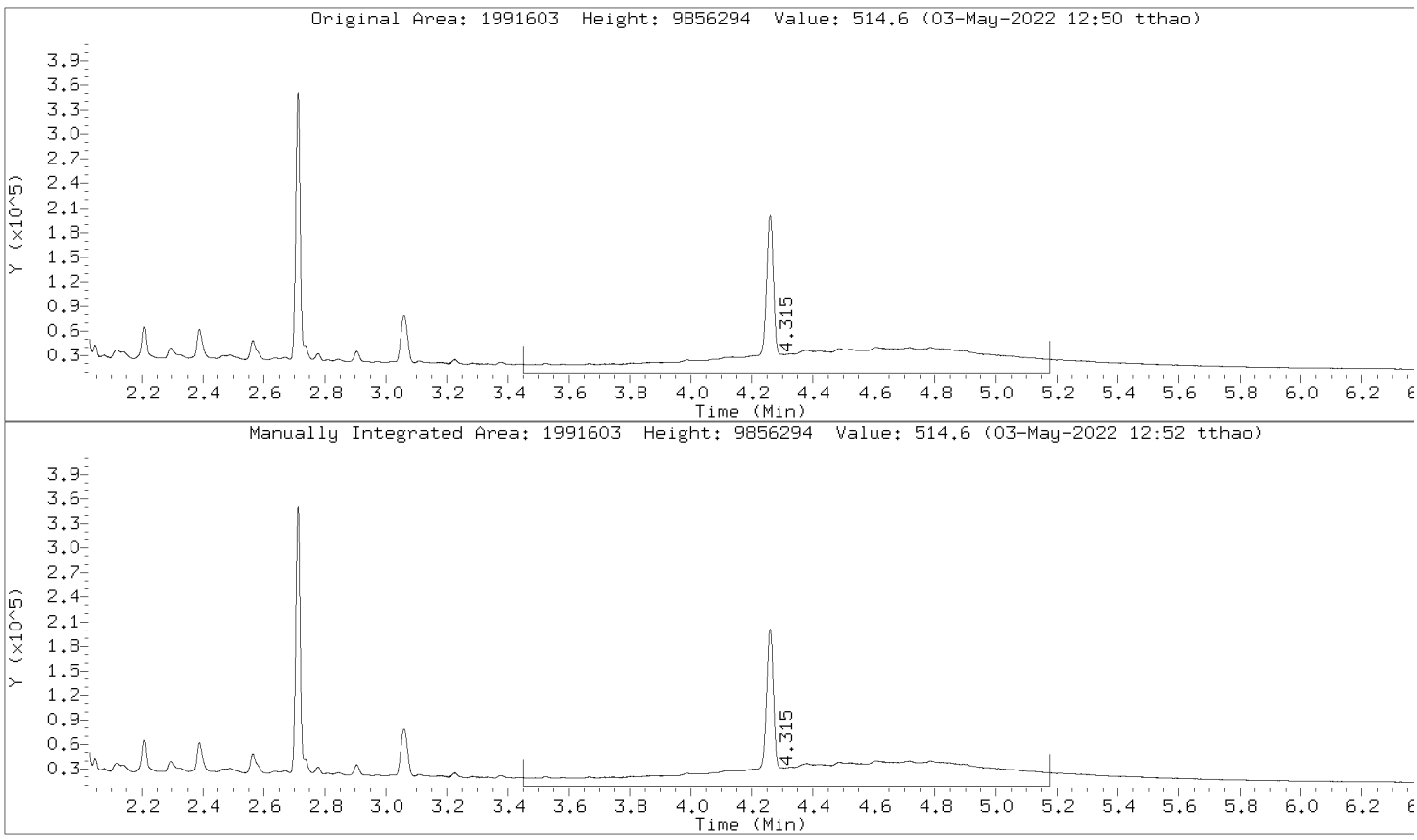
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000030.D
Injection Date: 02-MAY-2022 19:28
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



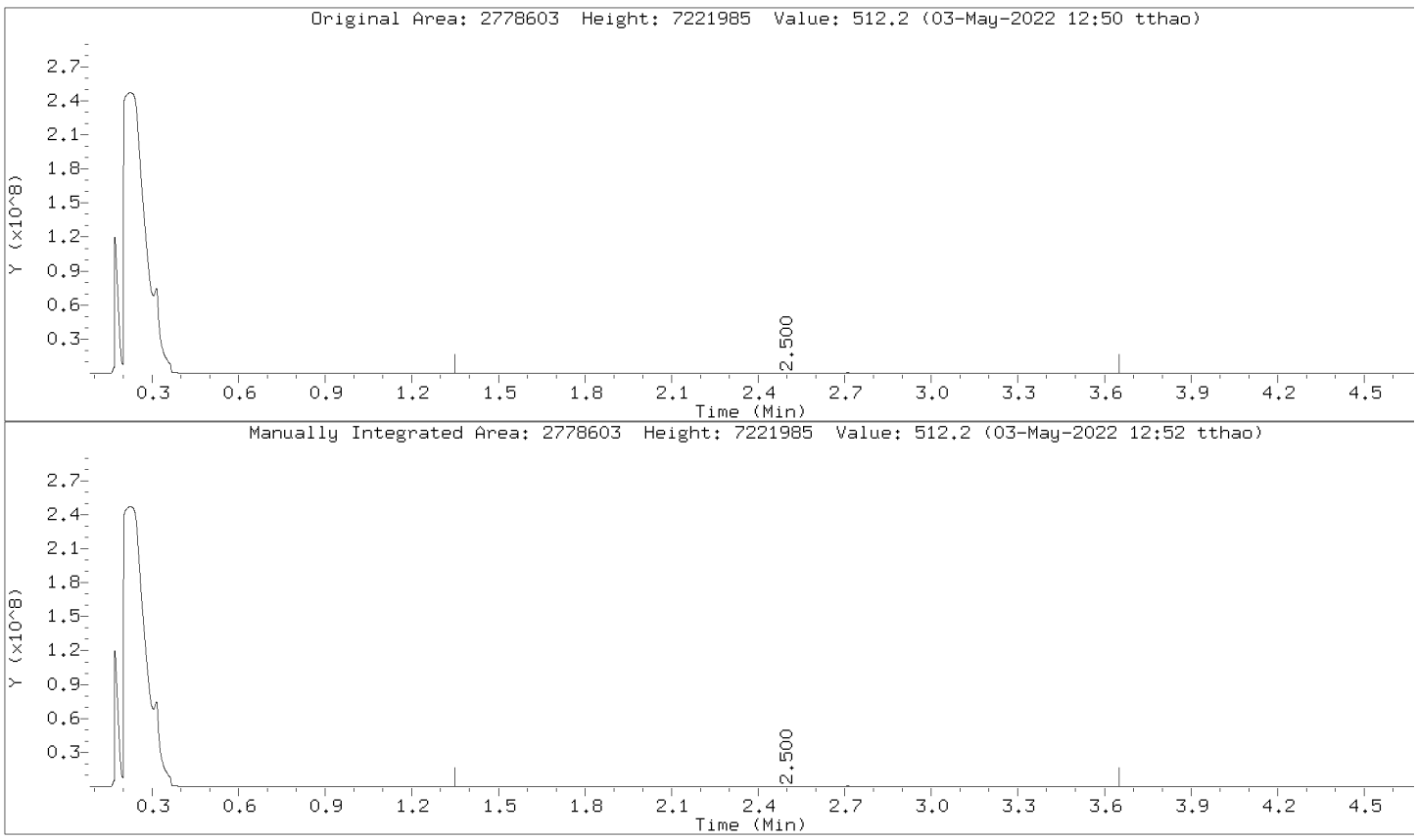
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000030.D
Injection Date: 02-MAY-2022 19:28
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



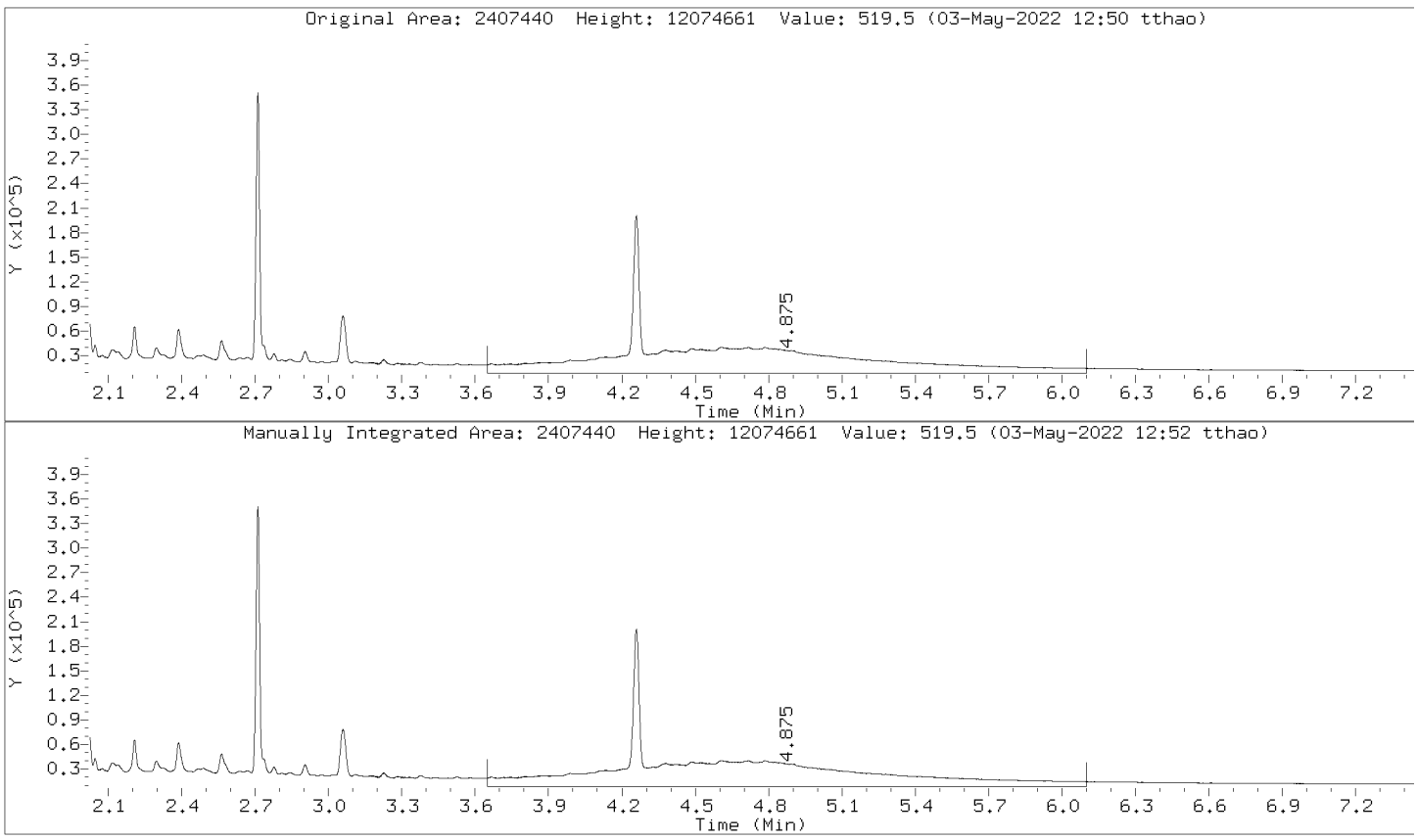
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000030.D
Injection Date: 02-MAY-2022 19:28
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



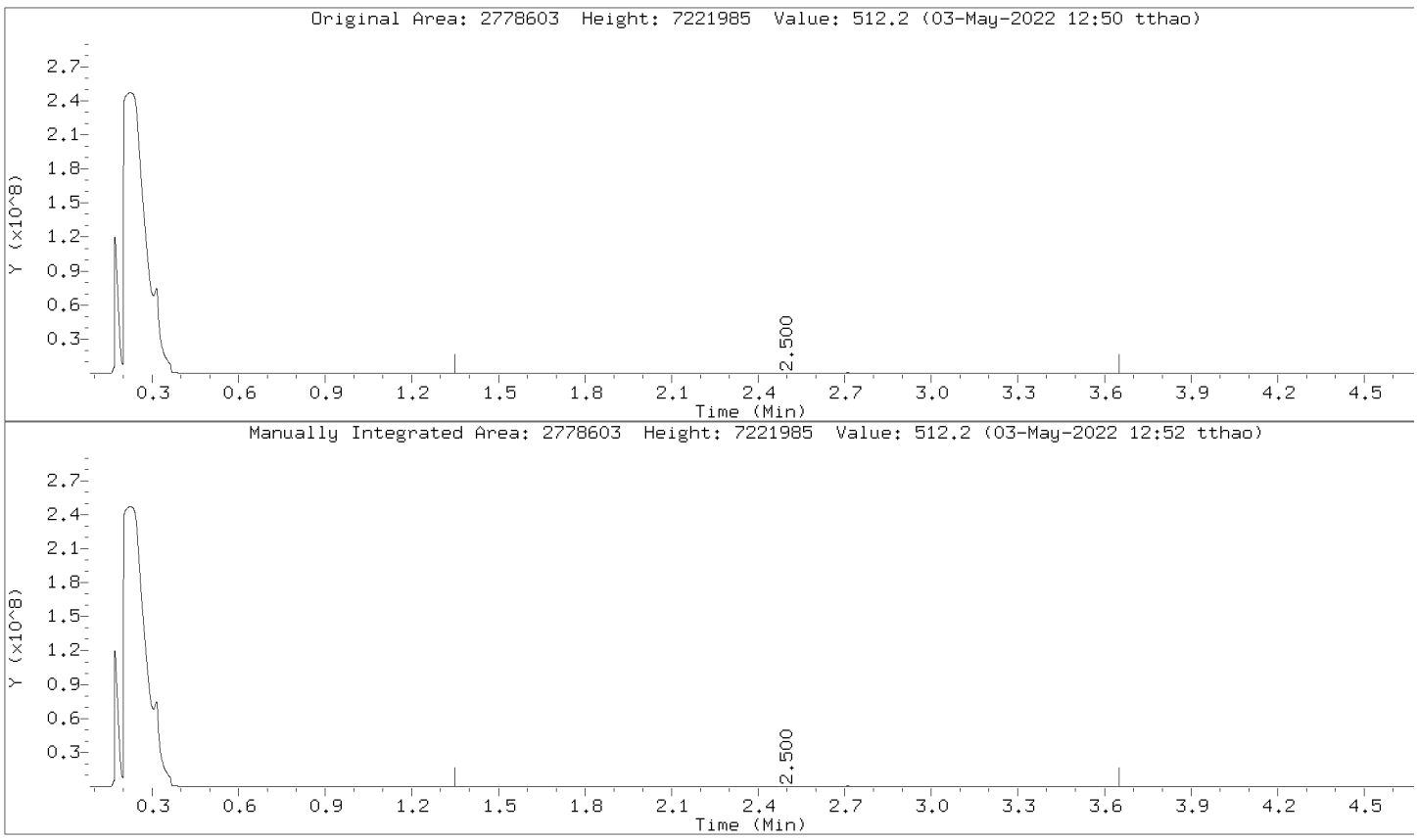
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000030.D
Injection Date: 02-MAY-2022 19:28
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



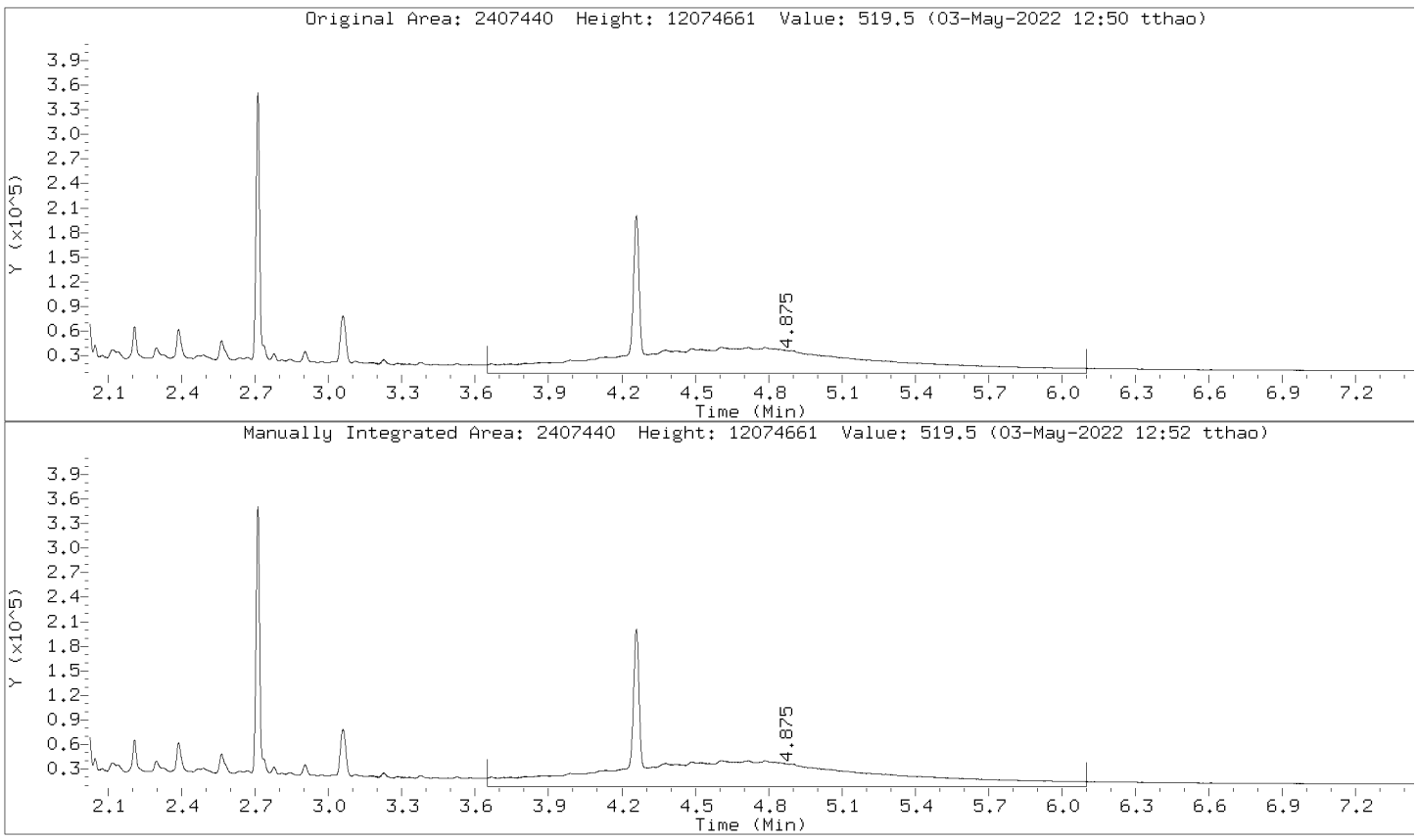
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000030.D
Injection Date: 02-MAY-2022 19:28
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



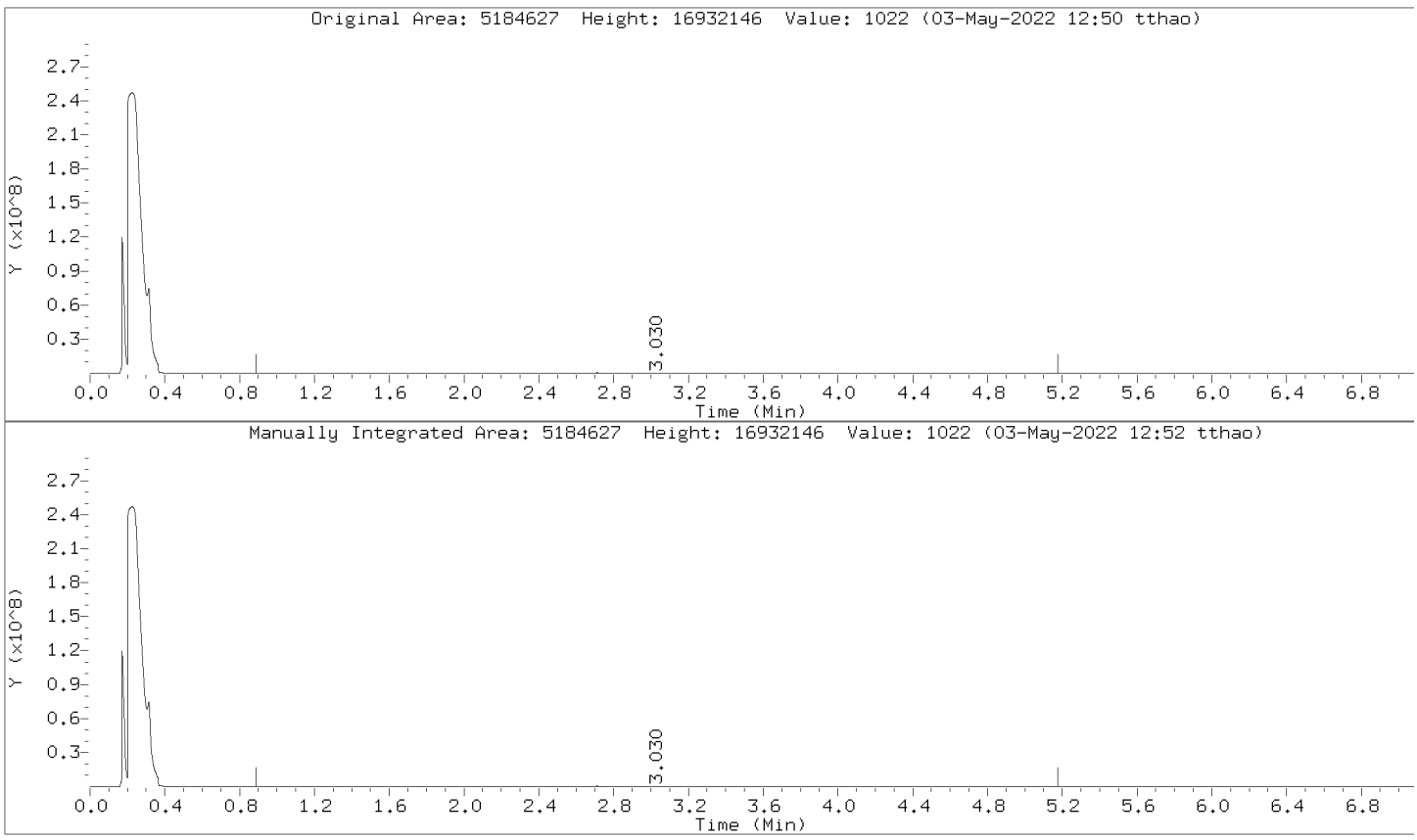
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000030.D
Injection Date: 02-MAY-2022 19:28
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



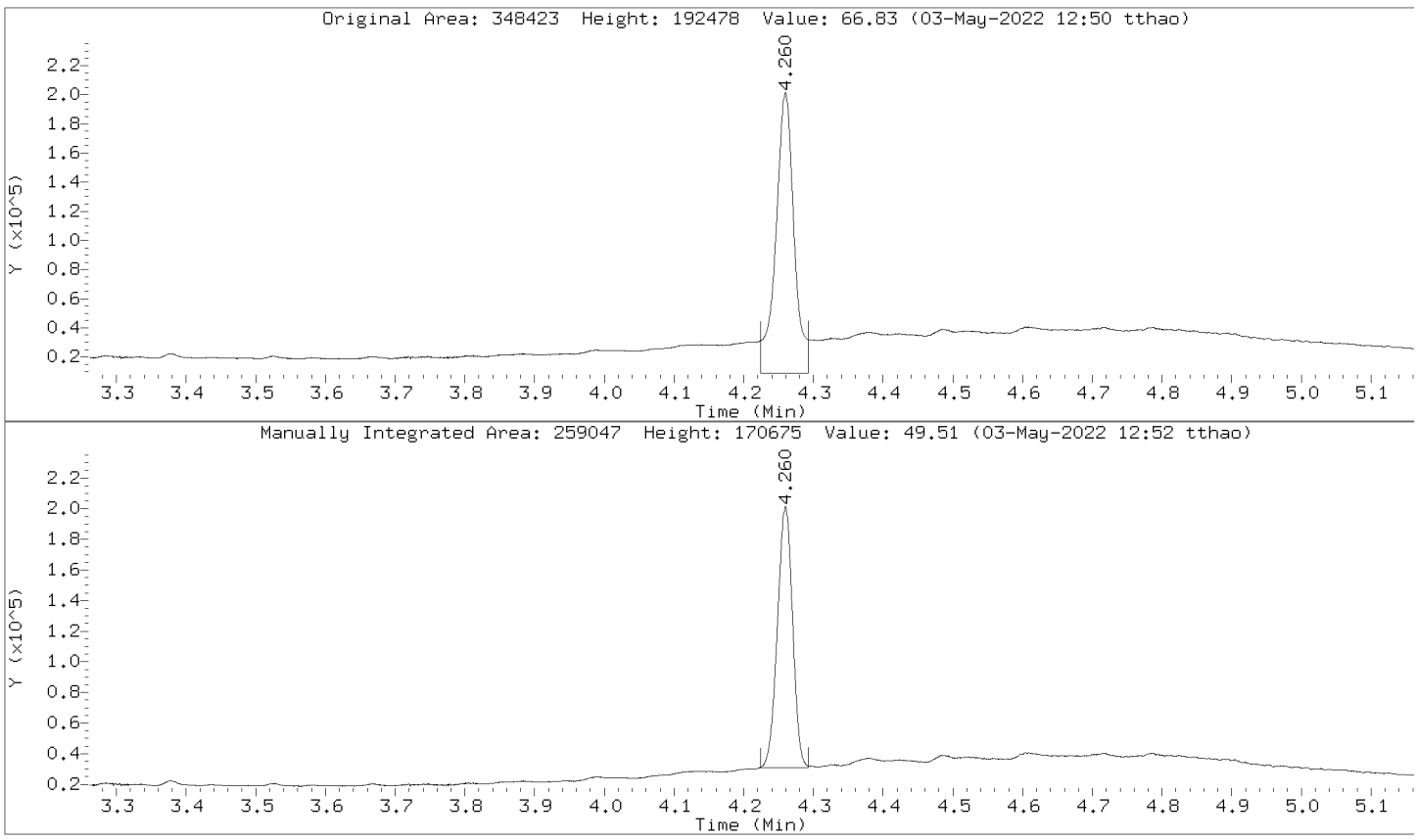
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000030.D
Injection Date: 02-MAY-2022 19:28
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: C10-C36 Review Code: RNG
CAS Number:



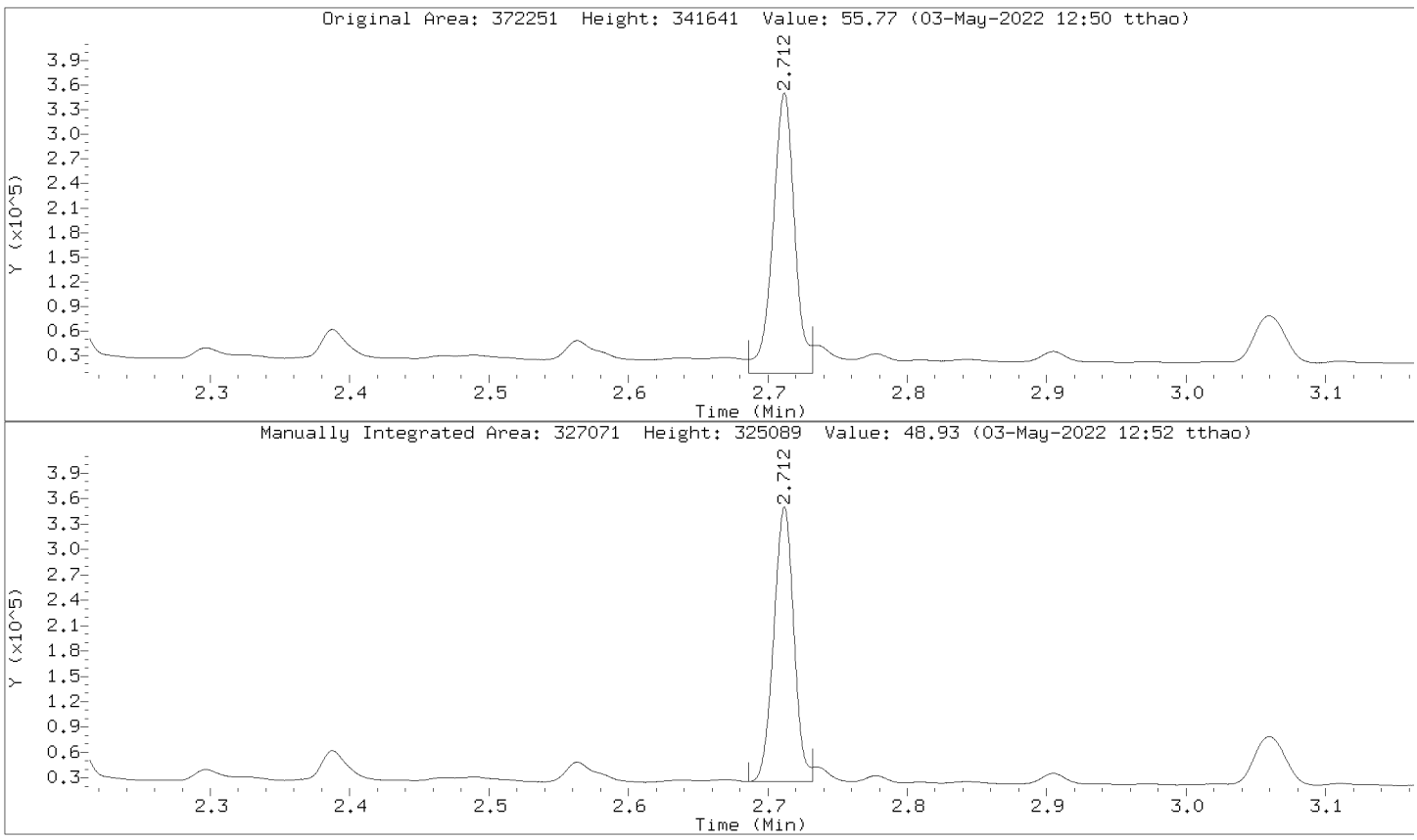
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000030.D
Injection Date: 02-MAY-2022 19:28
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000030.D
Injection Date: 02-MAY-2022 19:28
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1897229	1897229
DRO by AK 102	3287397	3287397
TPH-DRO (C10-C28)	3781526	3781526
Motor Oil Range (C24-C36)	1991603	1991603
Diesel Fuel Range	2778603	2778603
Motor Oil Range	2407440	2407440
Diesel Fuel Range SG	2778603	2778603
Motor Oil Range SG	2407440	2407440
C10-C36	5184627	5184627
n-Triacontane (S)	348423	259047
o-Terphenyl (S)	372251	327071

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050222R.b\0502R0000041.D
Lab Smp Id: DMO-CCV,363721:2 Client Smp ID: DMO-CCV,363721:2
Inj Date : 02-MAY-2022 21:10
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-ccv,363721:2
Misc Info : 39205
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050222R.b\GCSFakNW8015-042722_3920
Meth Date : 06-May-2022 08:44 rgustafson Quant Type: ESTD
Cal Date : 27-APR-2022 14:42 Cal File: 0427R0000017.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10SVOA-TT

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.880	- 3.600		3261382	500.000	506	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.711	2.713	-0.002	324428	50.0000	48.5	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.259	4.262	-0.003	262091	50.0000	50.1	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.601	- 5.180		1877802	500.000	506	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.880	- 4.200		3752324	500.000	511	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.450	- 5.180		1969662	500.000	508	(M)	RNG
S 7 C10-C36					CAS #:		
0.880	- 5.180		5139184	1000.00	1010	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.350	- 3.650		2749868	500.000	506	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.350	- 3.650		2749868	500.000	506	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.651	- 6.100		2363786	500.000	510	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.651	- 6.100		2363786	500.000	510	(M)	RNG

QC Flag Legend

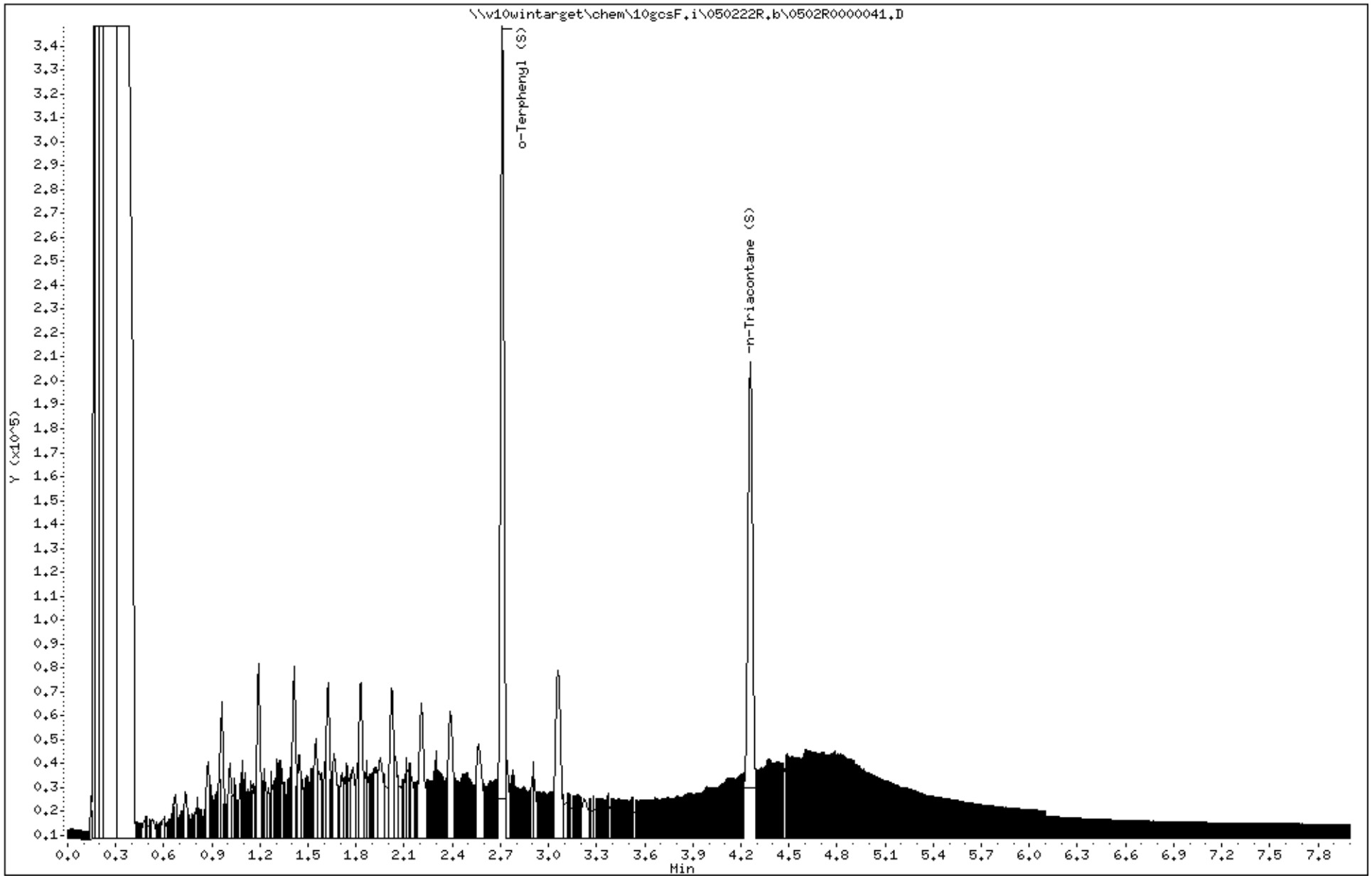
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

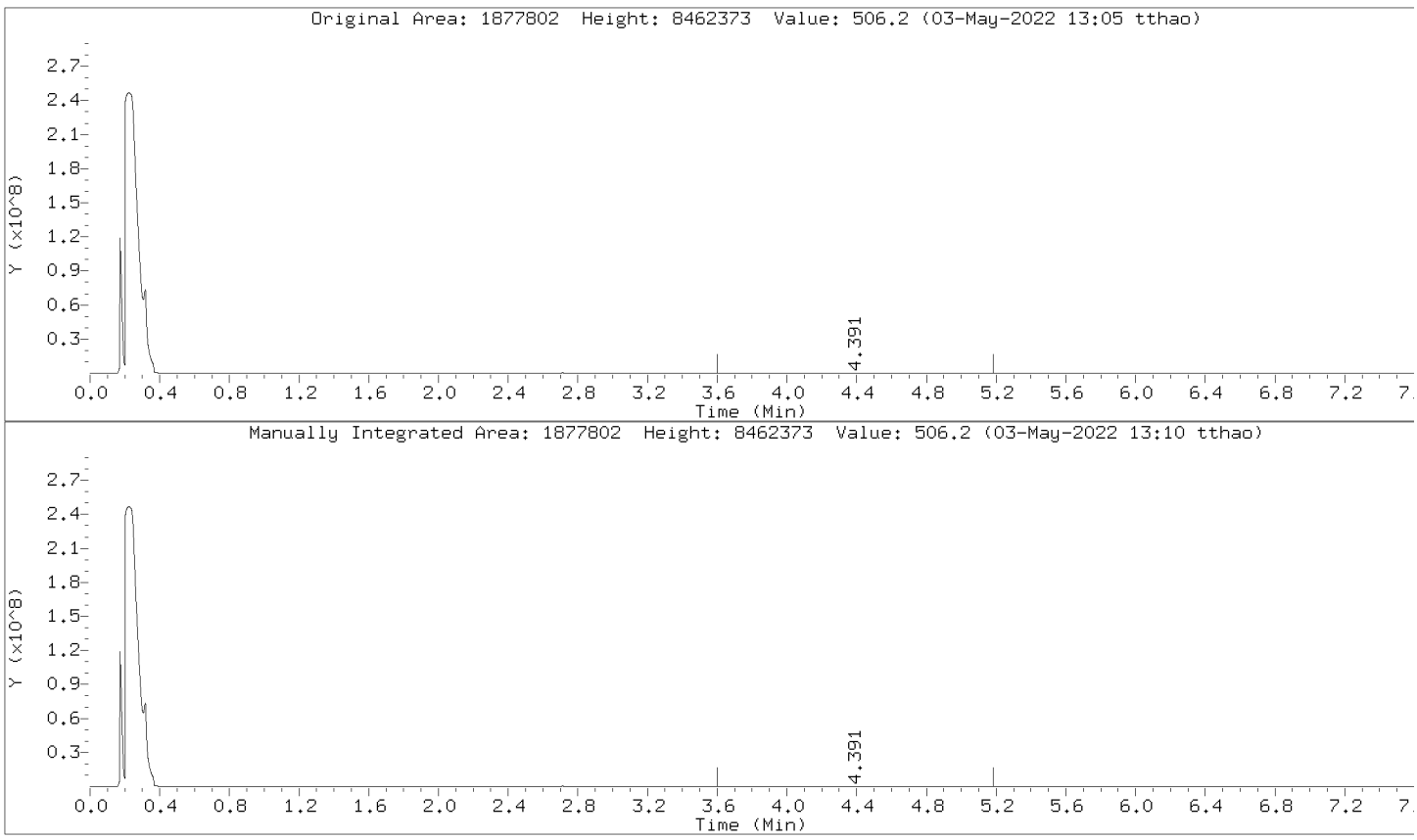
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b\0502R0000041.D
Date : 02-MAY-2022 21:10
Client ID: DMO-CCV,363721:2
Sample Info: DMO-CCV,363721:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21430033
Column diameter: 0.32



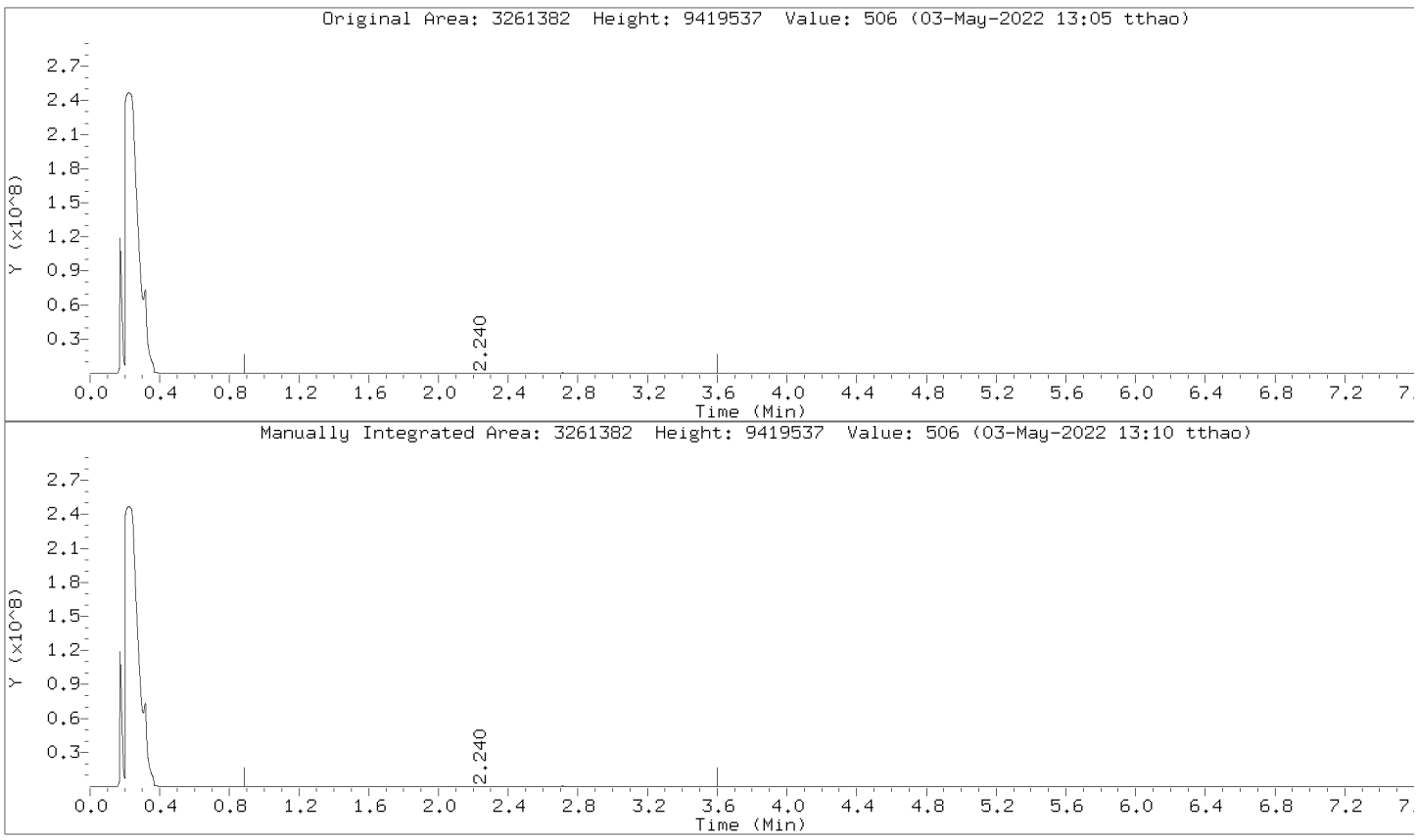
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000041.D
Injection Date: 02-MAY-2022 21:10
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



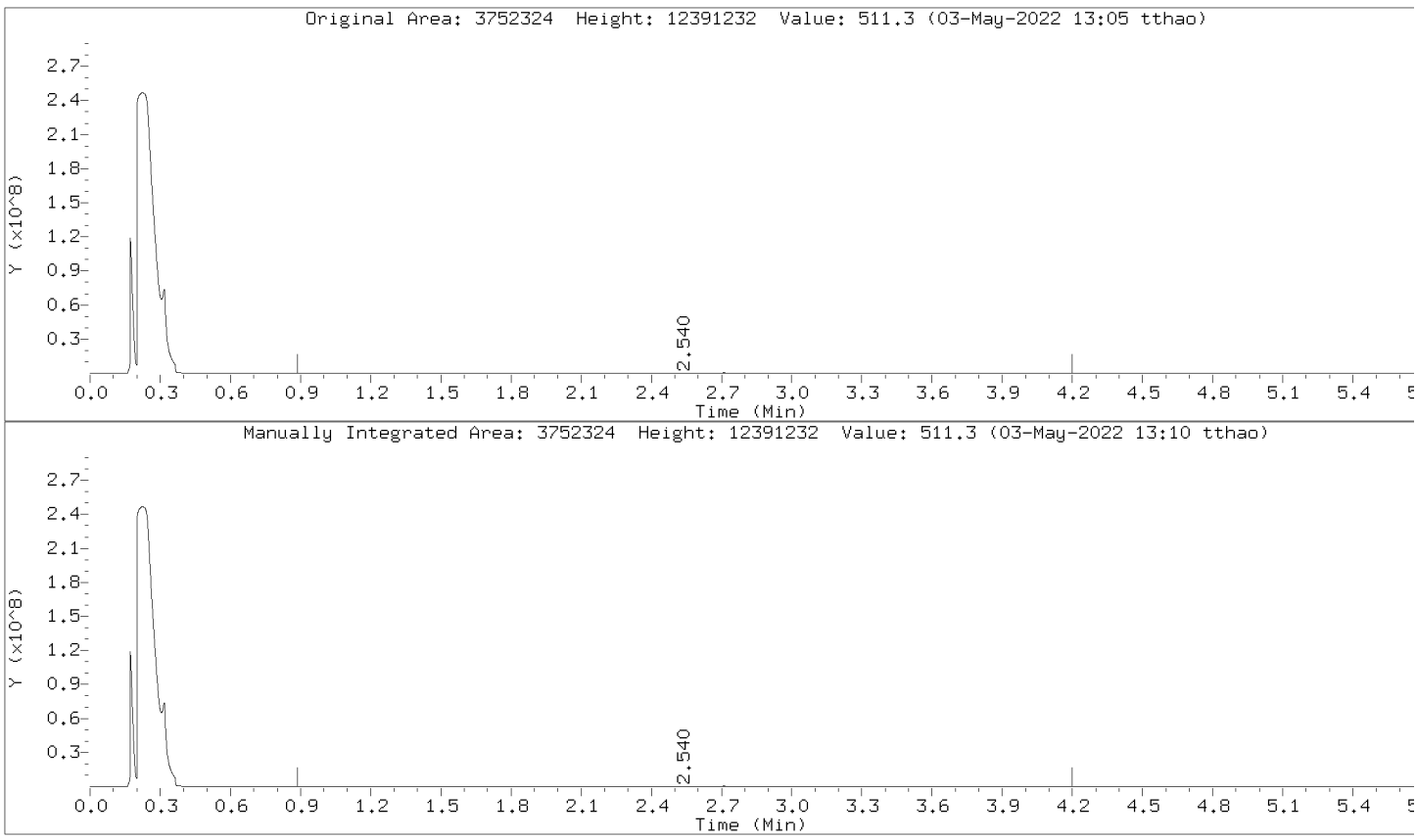
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000041.D
Injection Date: 02-MAY-2022 21:10
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



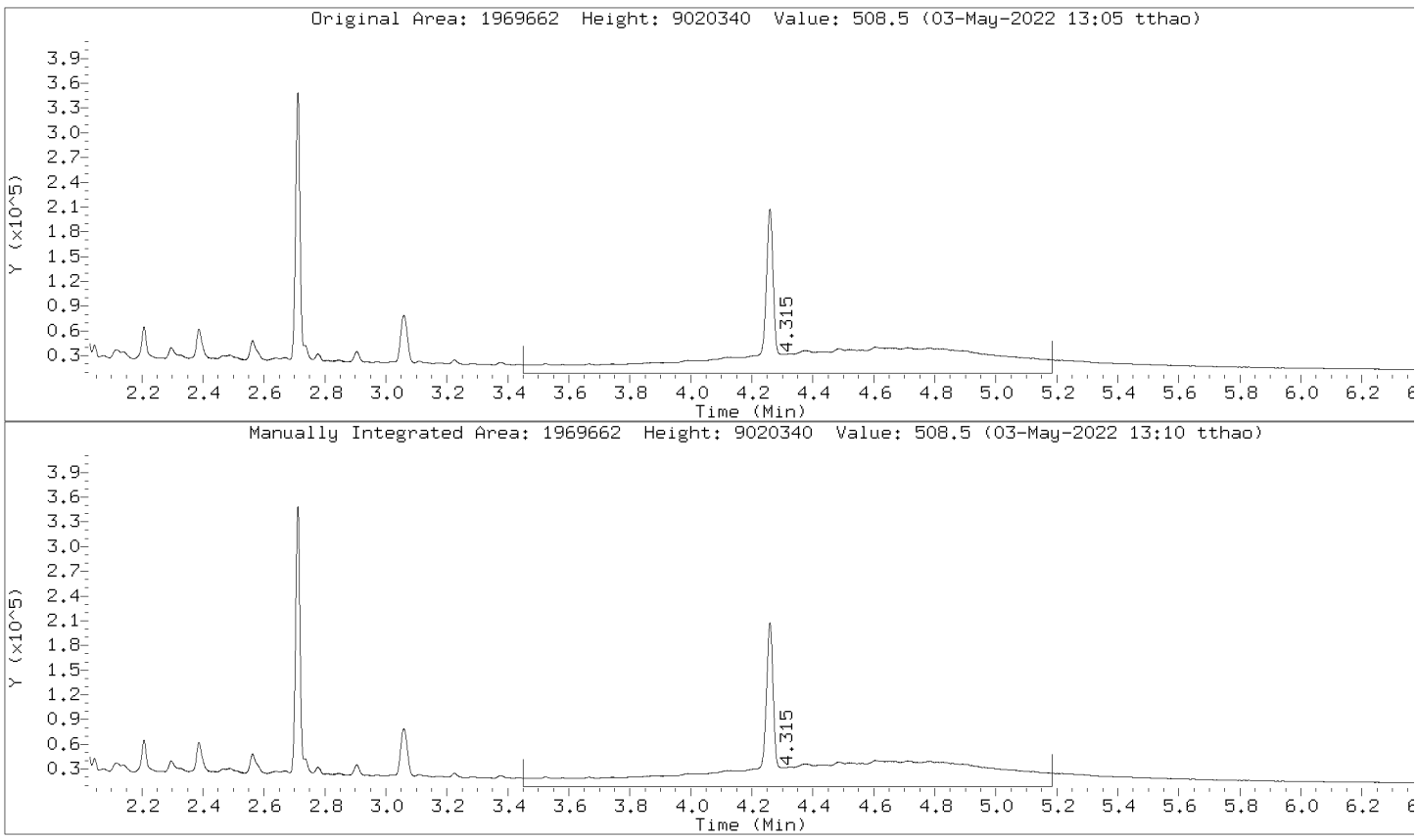
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000041.D
Injection Date: 02-MAY-2022 21:10
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



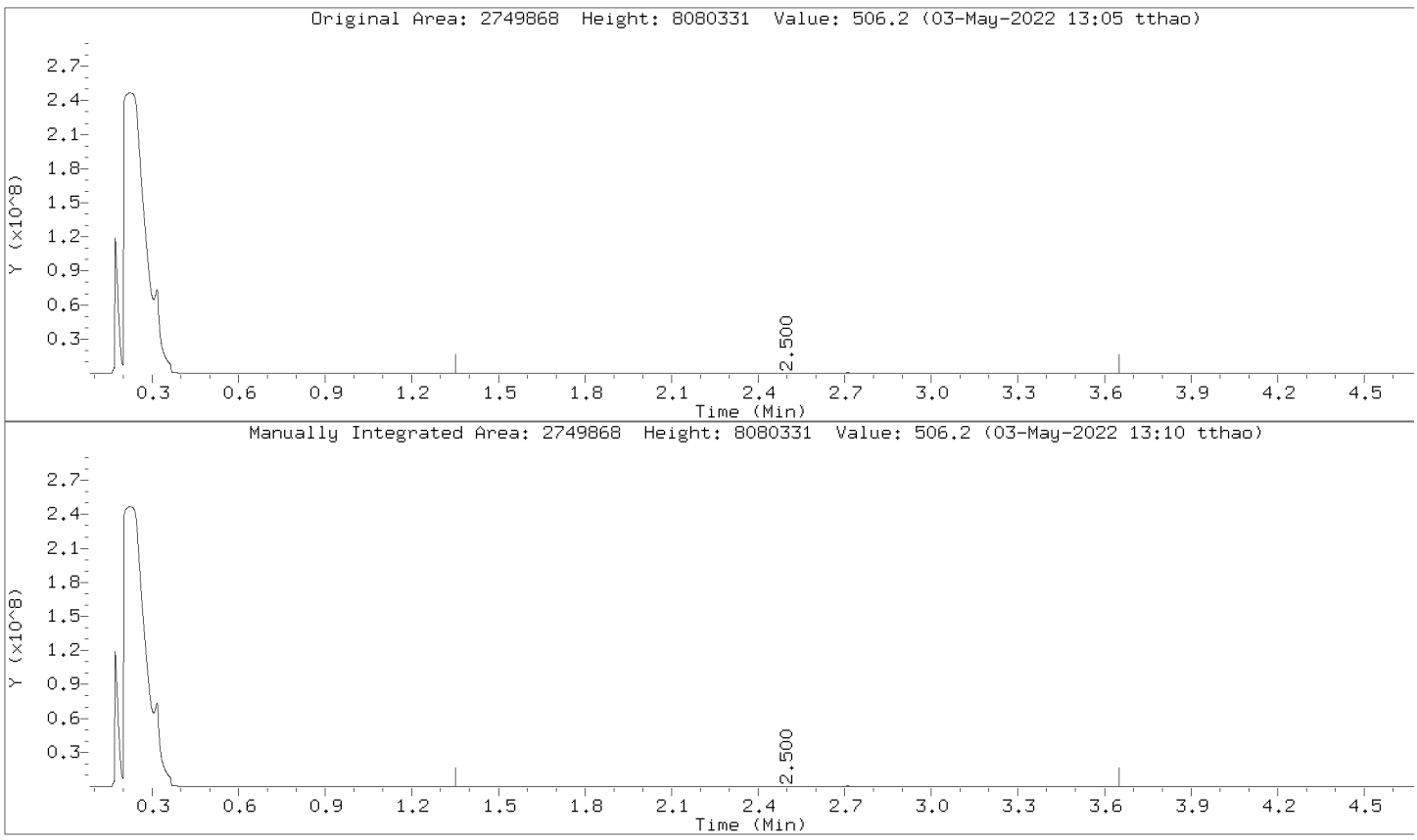
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000041.D
Injection Date: 02-MAY-2022 21:10
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



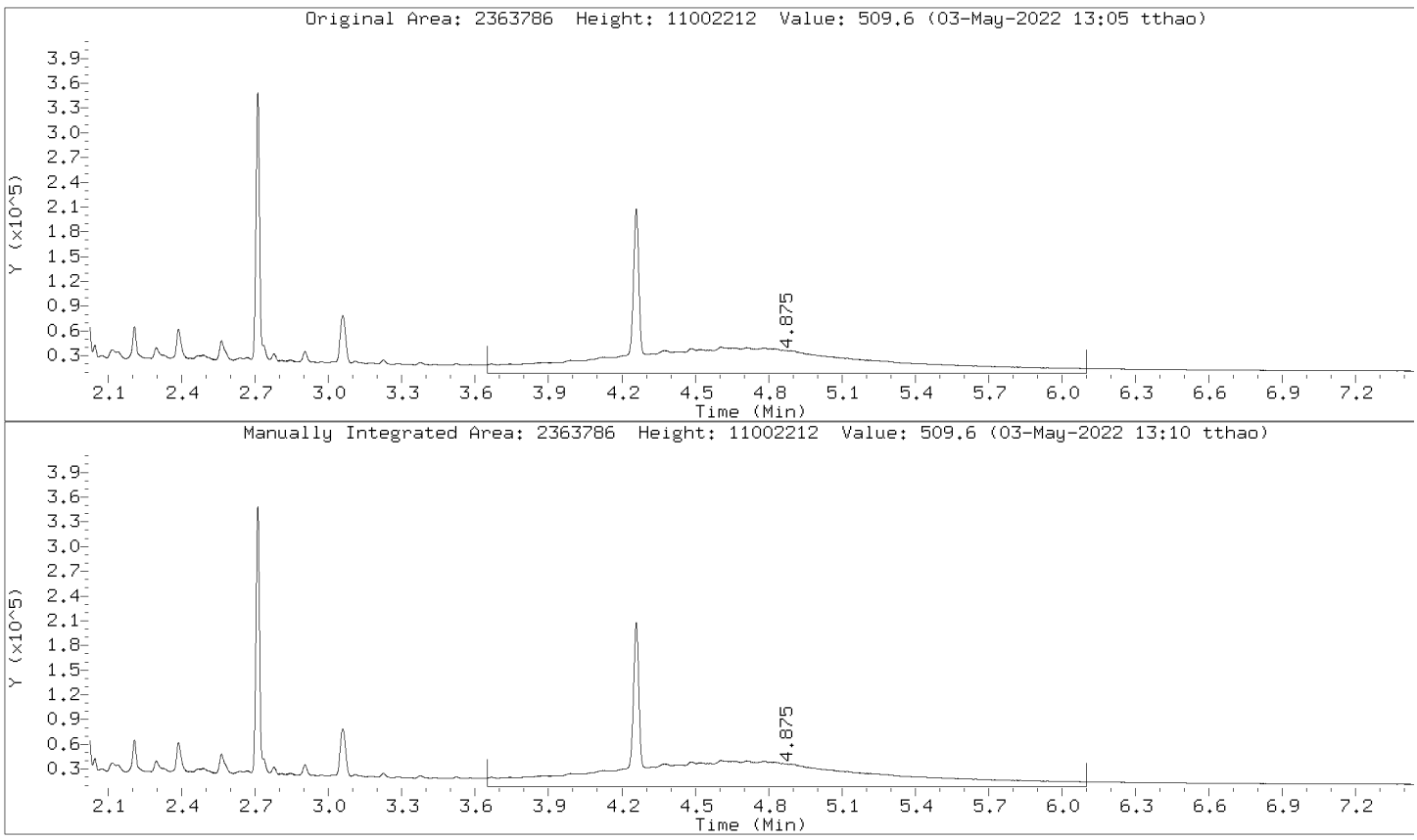
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000041.D
Injection Date: 02-MAY-2022 21:10
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



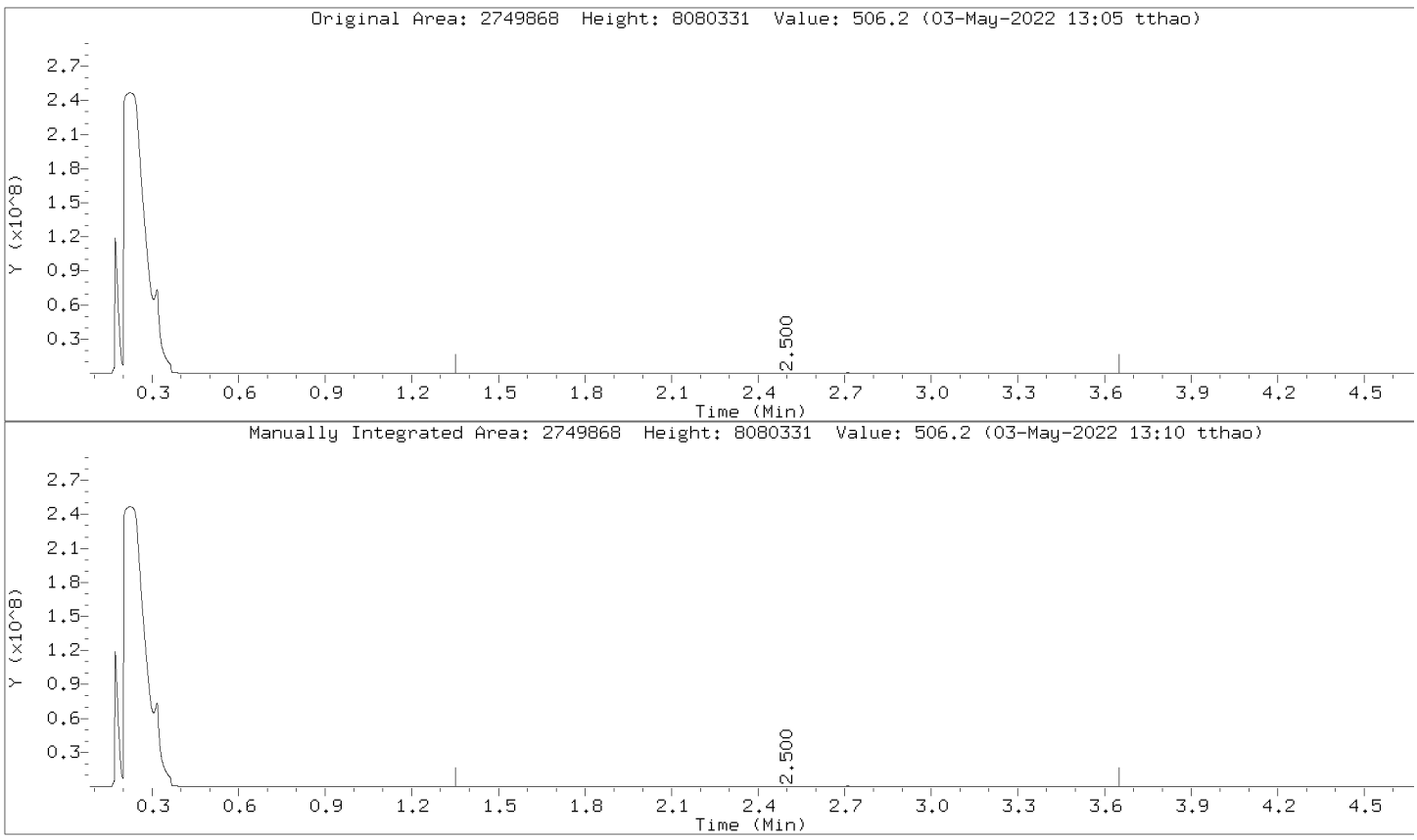
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000041.D
Injection Date: 02-MAY-2022 21:10
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



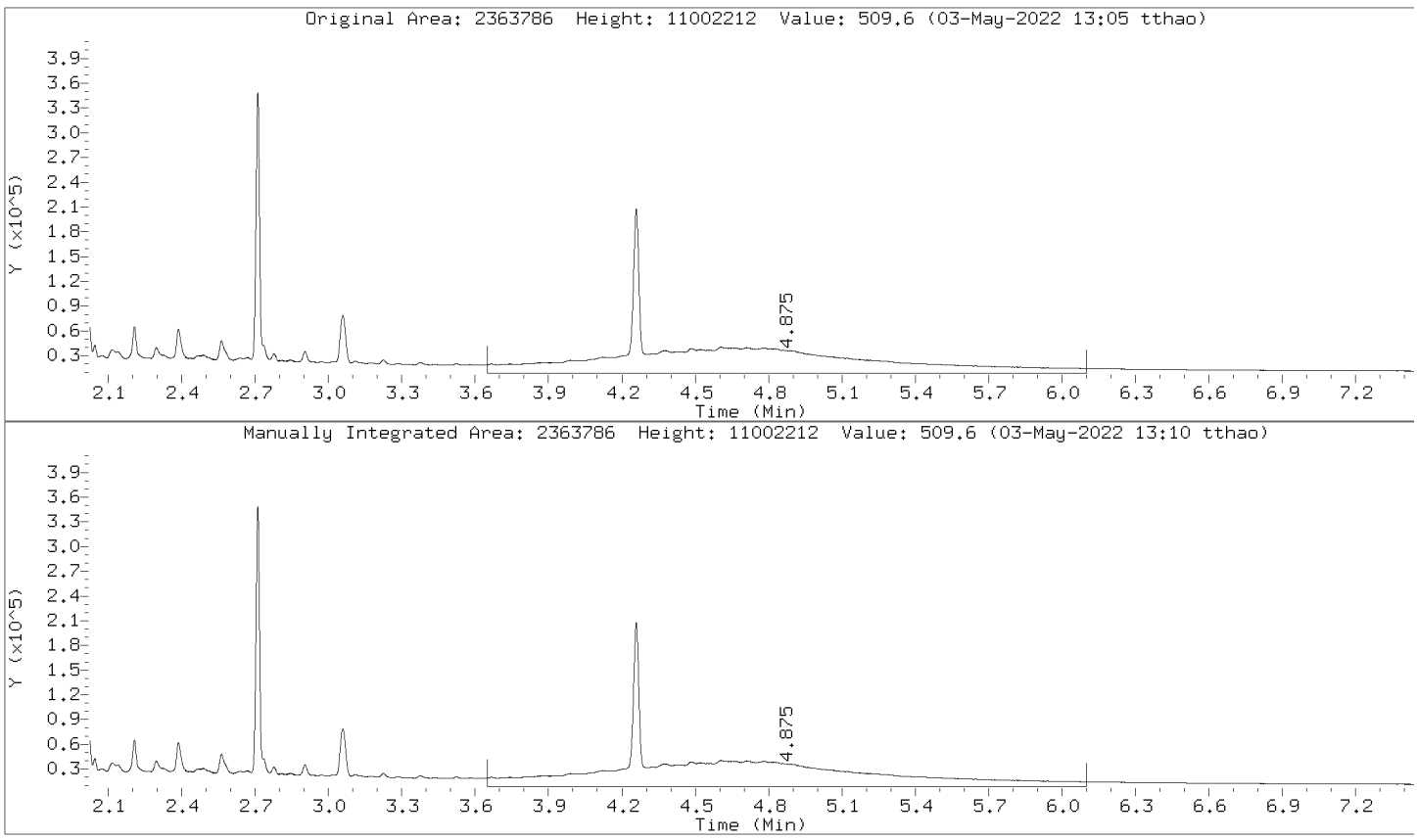
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000041.D
Injection Date: 02-MAY-2022 21:10
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



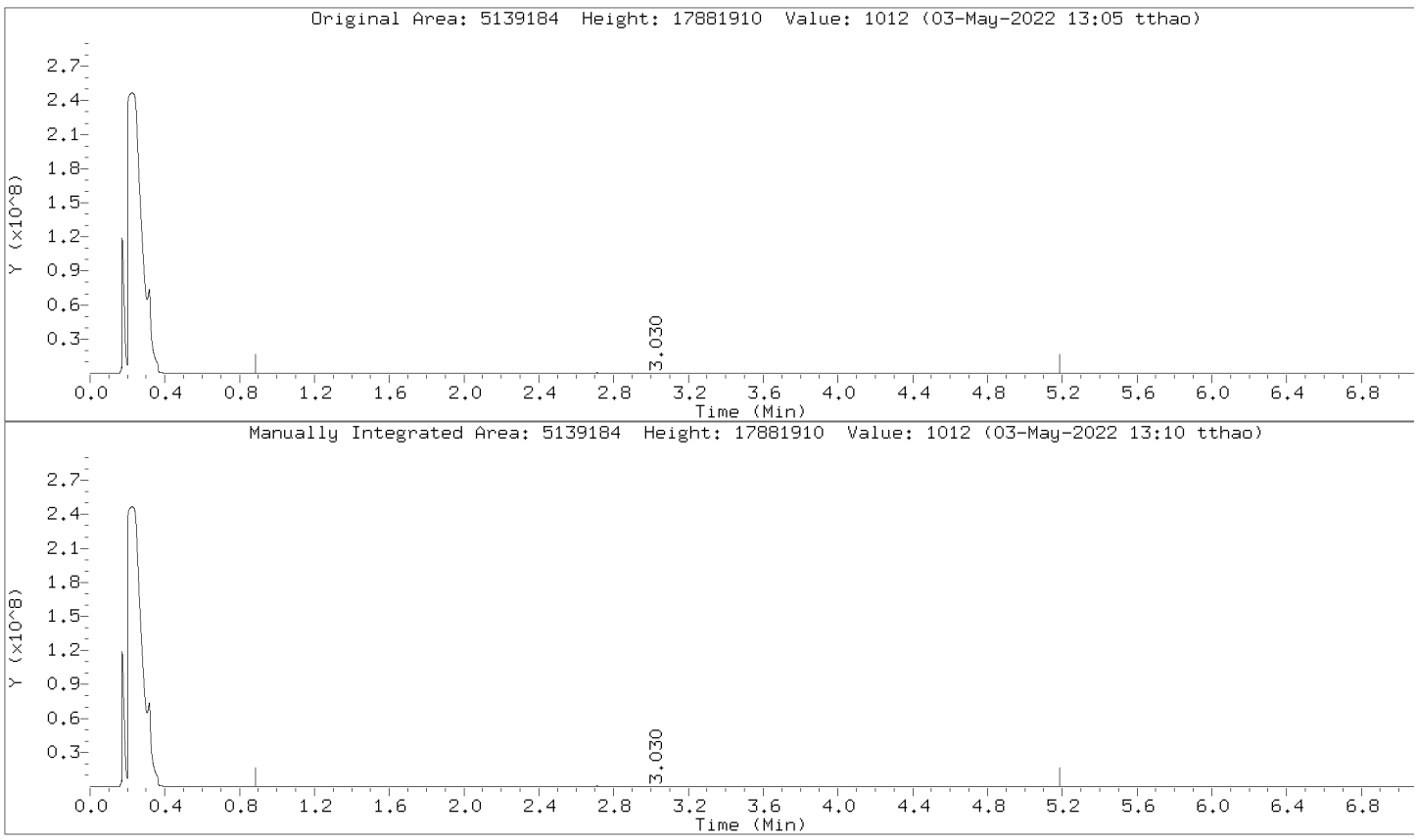
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000041.D
Injection Date: 02-MAY-2022 21:10
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



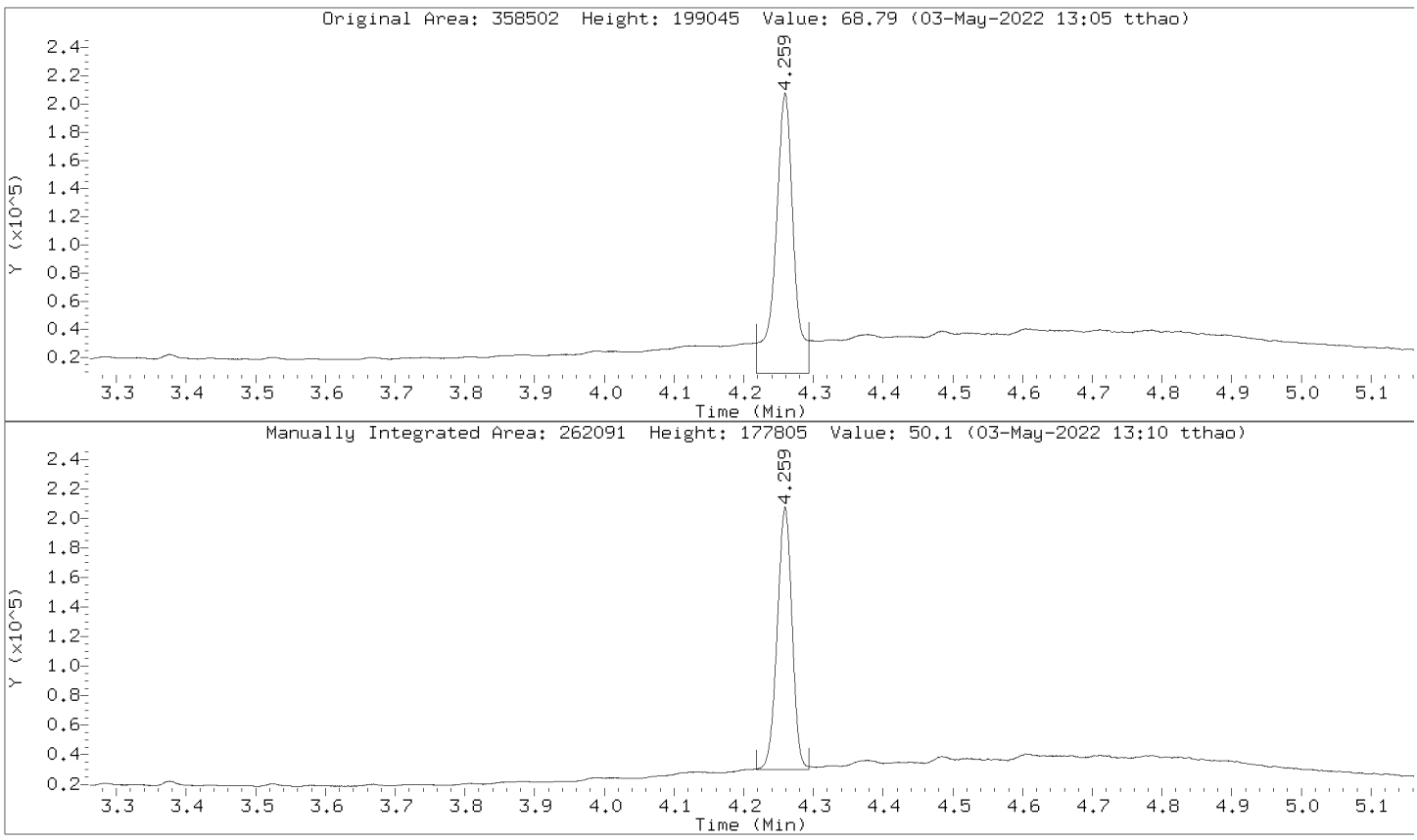
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000041.D
Injection Date: 02-MAY-2022 21:10
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: C10-C36 Review Code: RNG
CAS Number:



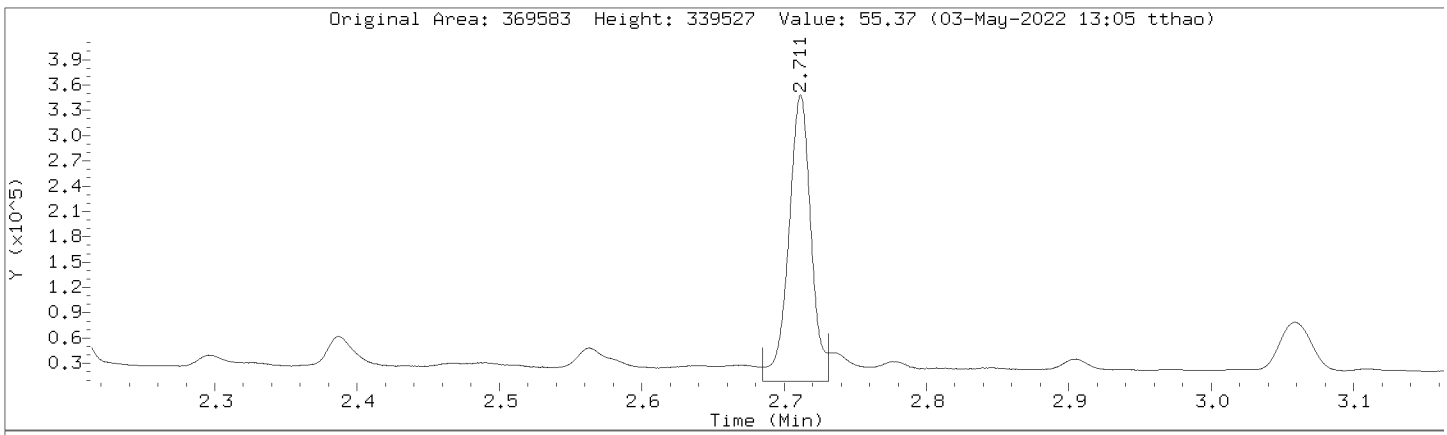
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000041.D
Injection Date: 02-MAY-2022 21:10
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

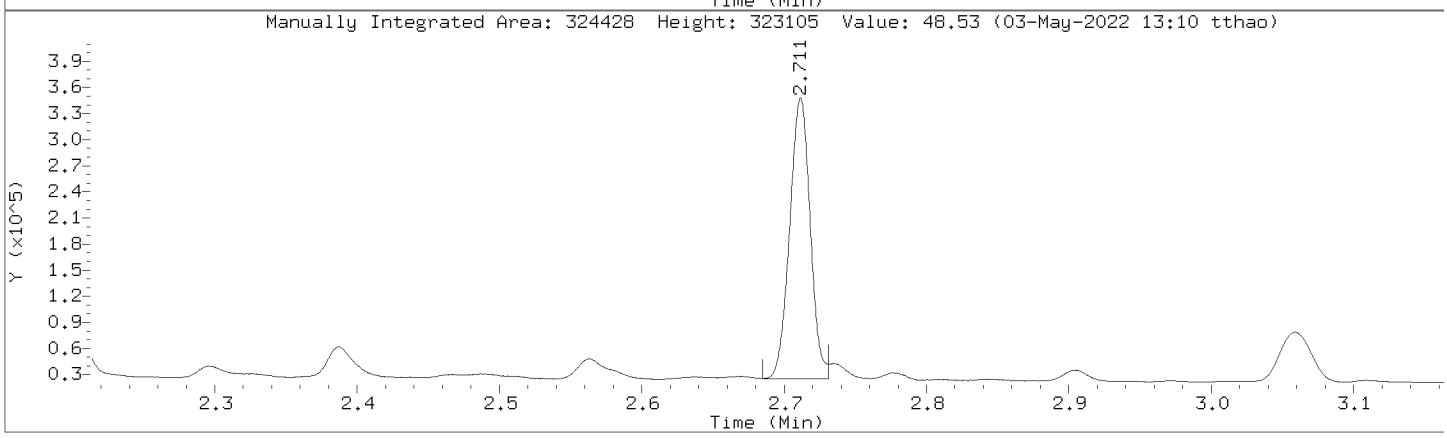
Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000041.D
Injection Date: 02-MAY-2022 21:10
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:





Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1877802	1877802
DRO by AK 102	3261382	3261382
TPH-DRO (C10-C28)	3752324	3752324
Motor Oil Range (C24-C36)	1969662	1969662
Diesel Fuel Range	2749868	2749868
Motor Oil Range	2363786	2363786
Diesel Fuel Range SG	2749868	2749868
Motor Oil Range SG	2363786	2363786
C10-C36	5139184	5139184
n-Triacontane (S)	358502	262091
o-Terphenyl (S)	369583	324428

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000035.D
Lab Smp Id: DMO-ICV,365117:2 Client Smp ID: DMO-ICV,365117:2
Inj Date : 09-MAY-2022 17:27
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-icv,365117:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 13 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10SVOA-TT

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		2988000	500.000	520	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.565	2.565	0.000	296261	50.0000	48.7	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.017	4.017	0.000	246705	50.0000	50.7	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		1737328	500.000	513	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		3425790	500.000	519	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		1817086	500.000	513	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		4725328	1000.00	1030	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		2521516	500.000	521	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		2521516	500.000	521	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		2096826	500.000	510	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		2096826	500.000	510	(M)	RNG

QC Flag Legend

M - Compound response manually integrated.

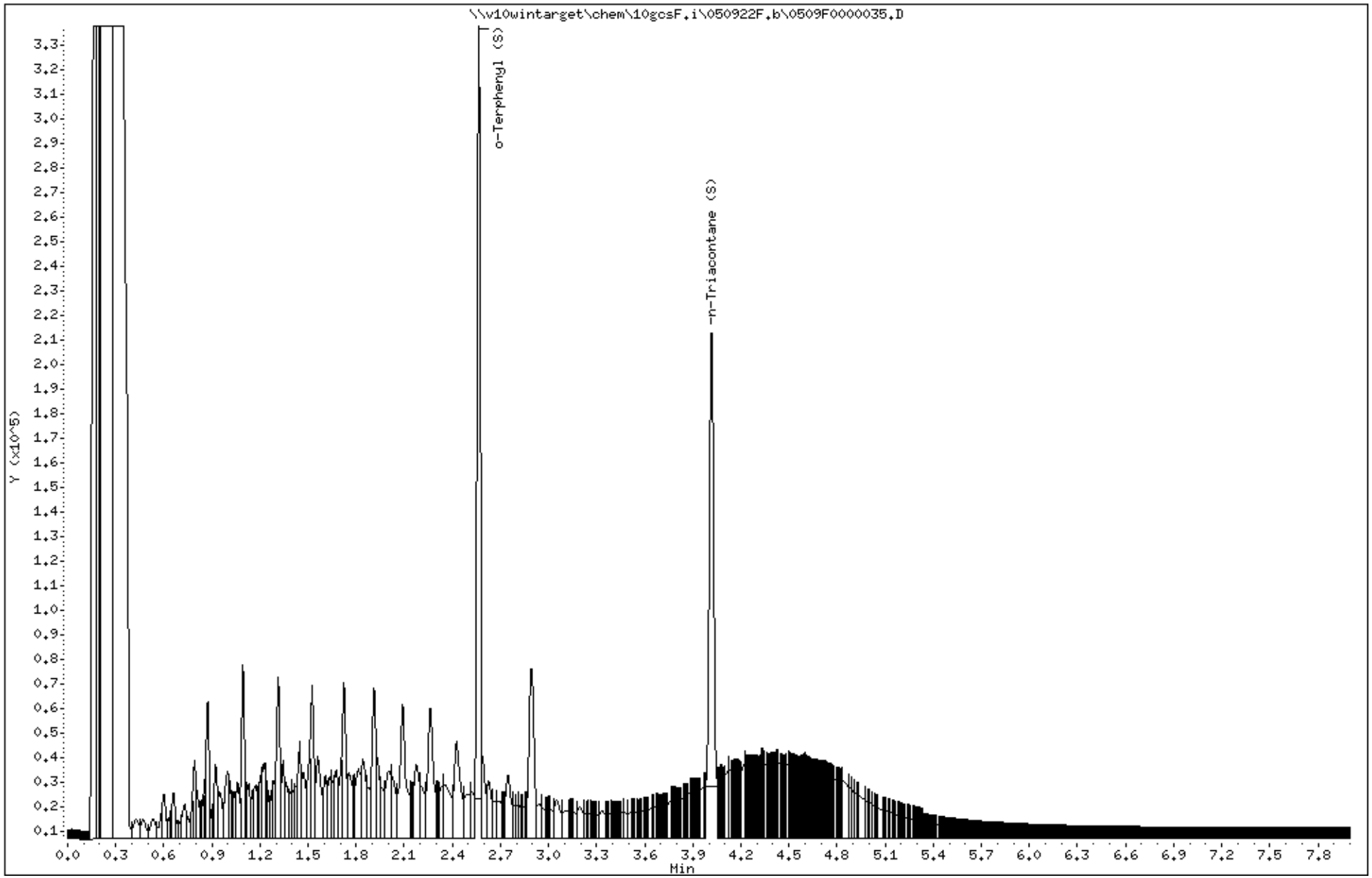
Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000035.D
Date : 09-MAY-2022 17:27
Client ID: DMO-ICV,365117:2
Sample Info: DMO-ICV,365117:2

Instrument: 10gcsF.i
Operator: TT2
Column diameter: 0.32

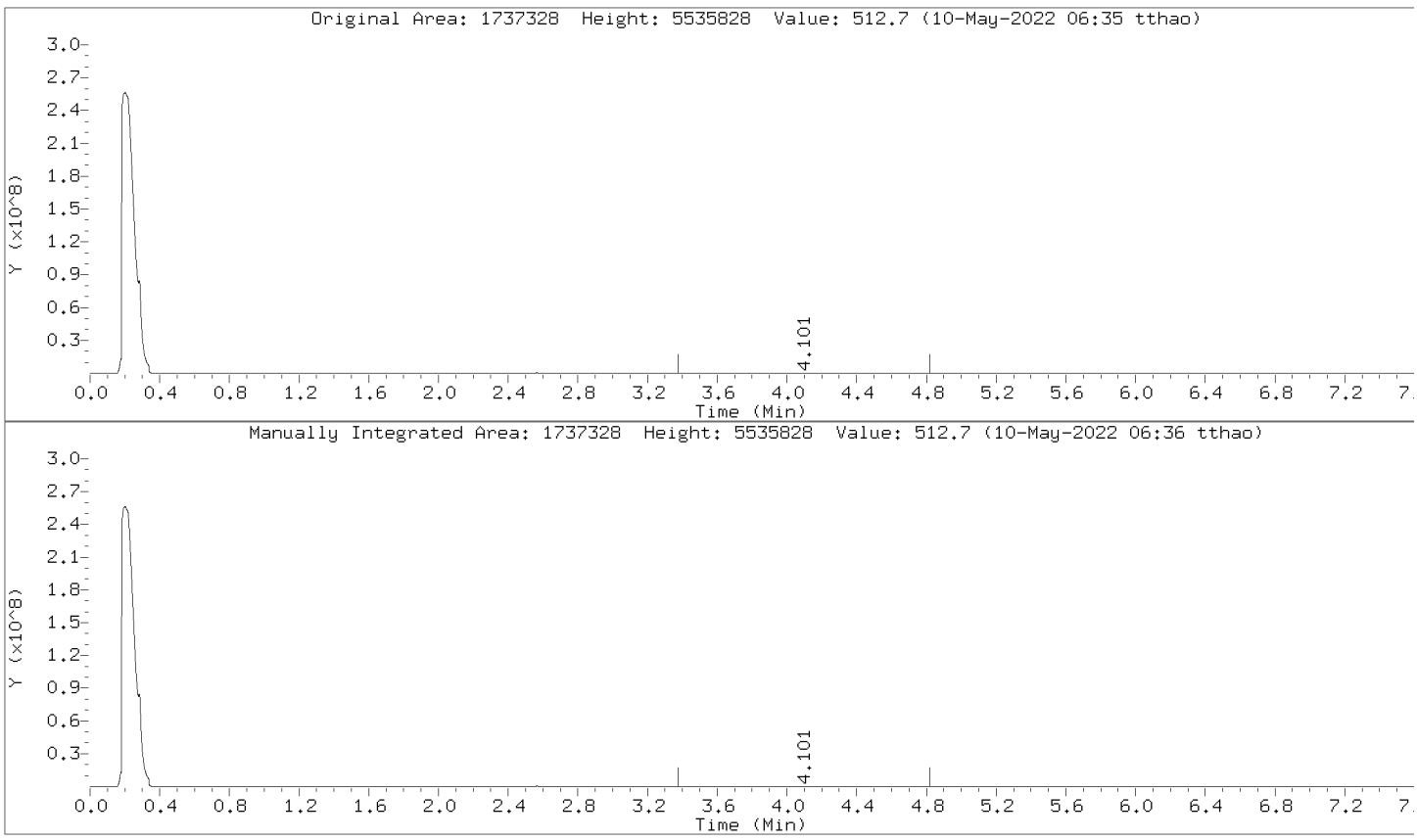
Column phase: DB-5-US21390001



486 of 1320
414 of 777
10606395

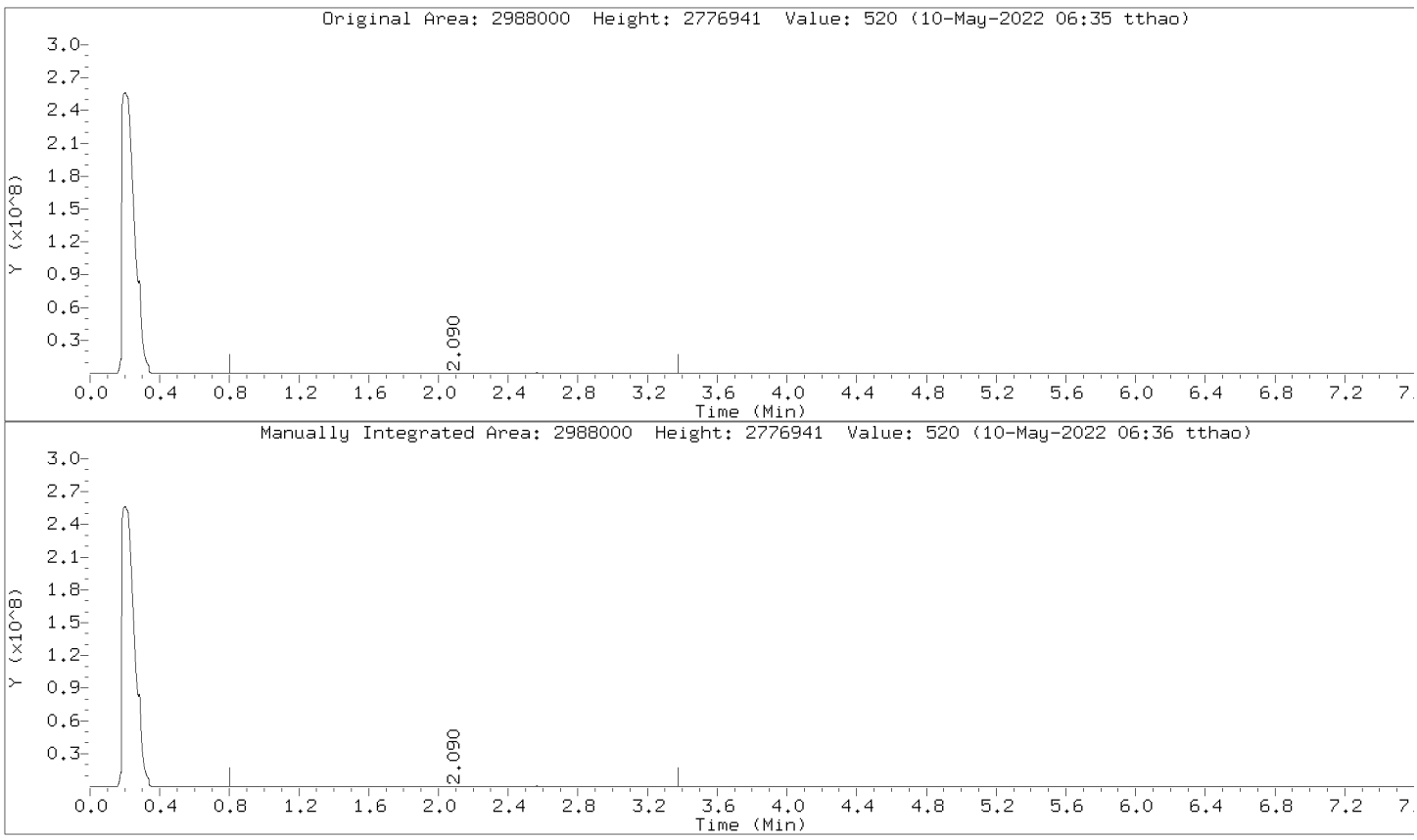
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



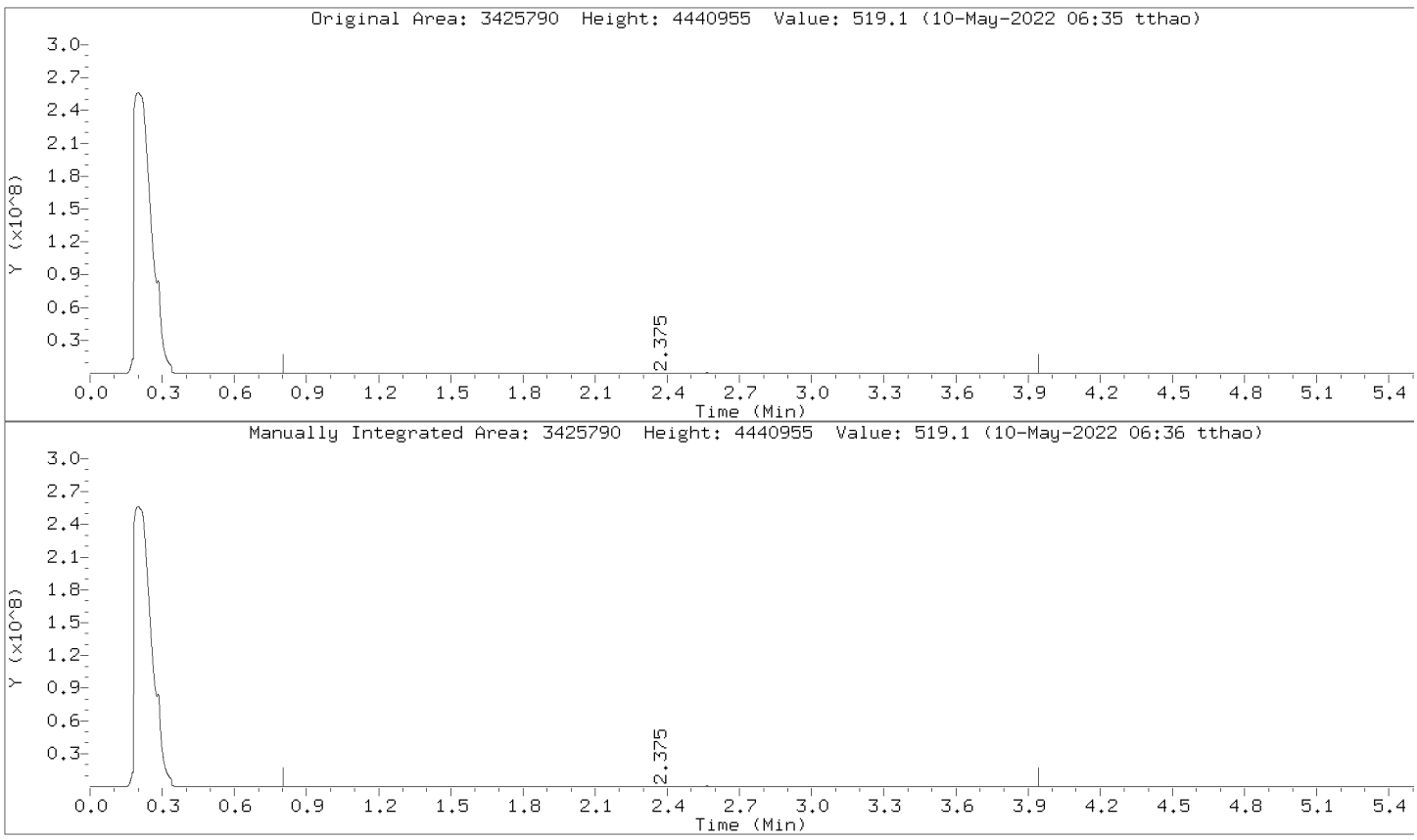
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



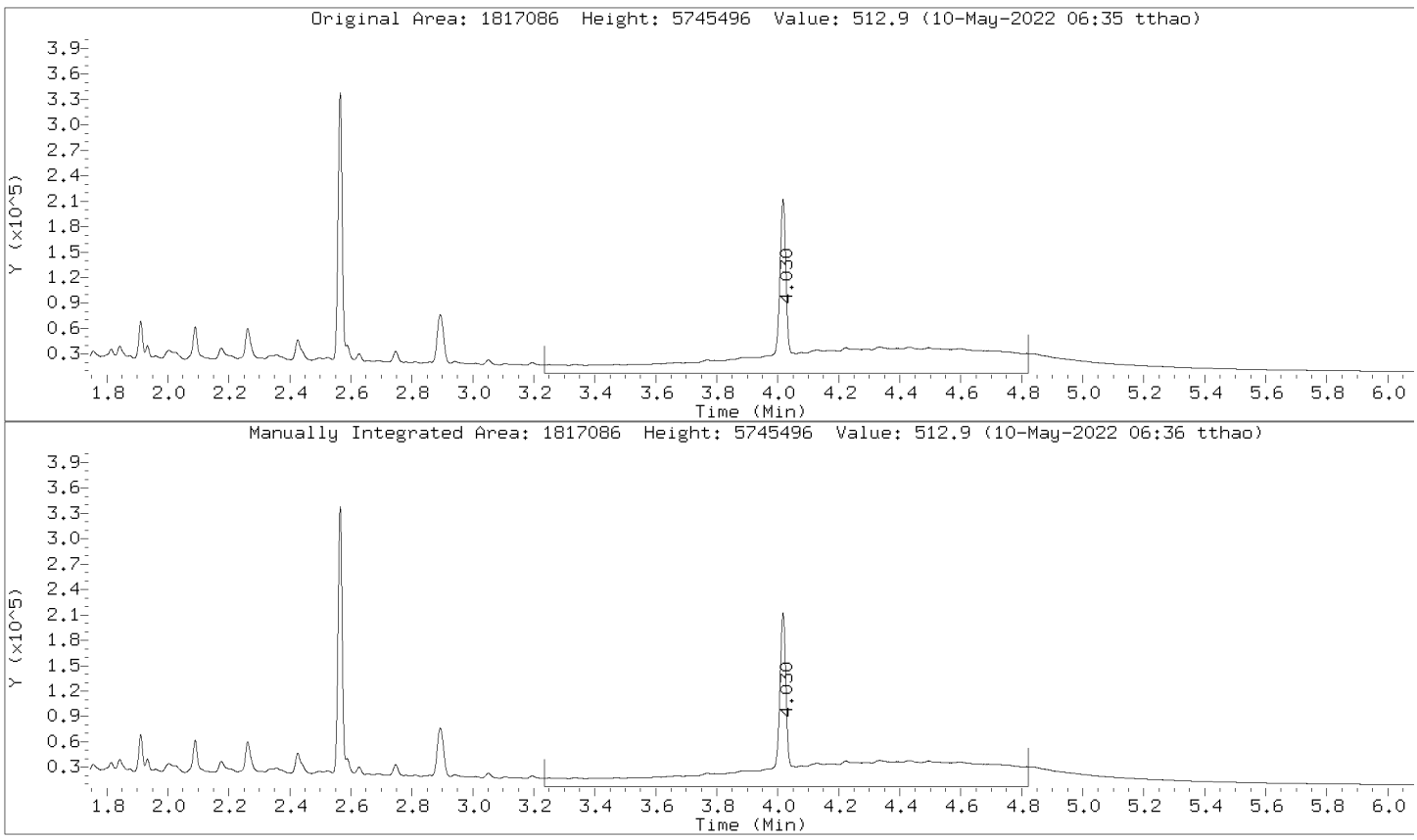
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



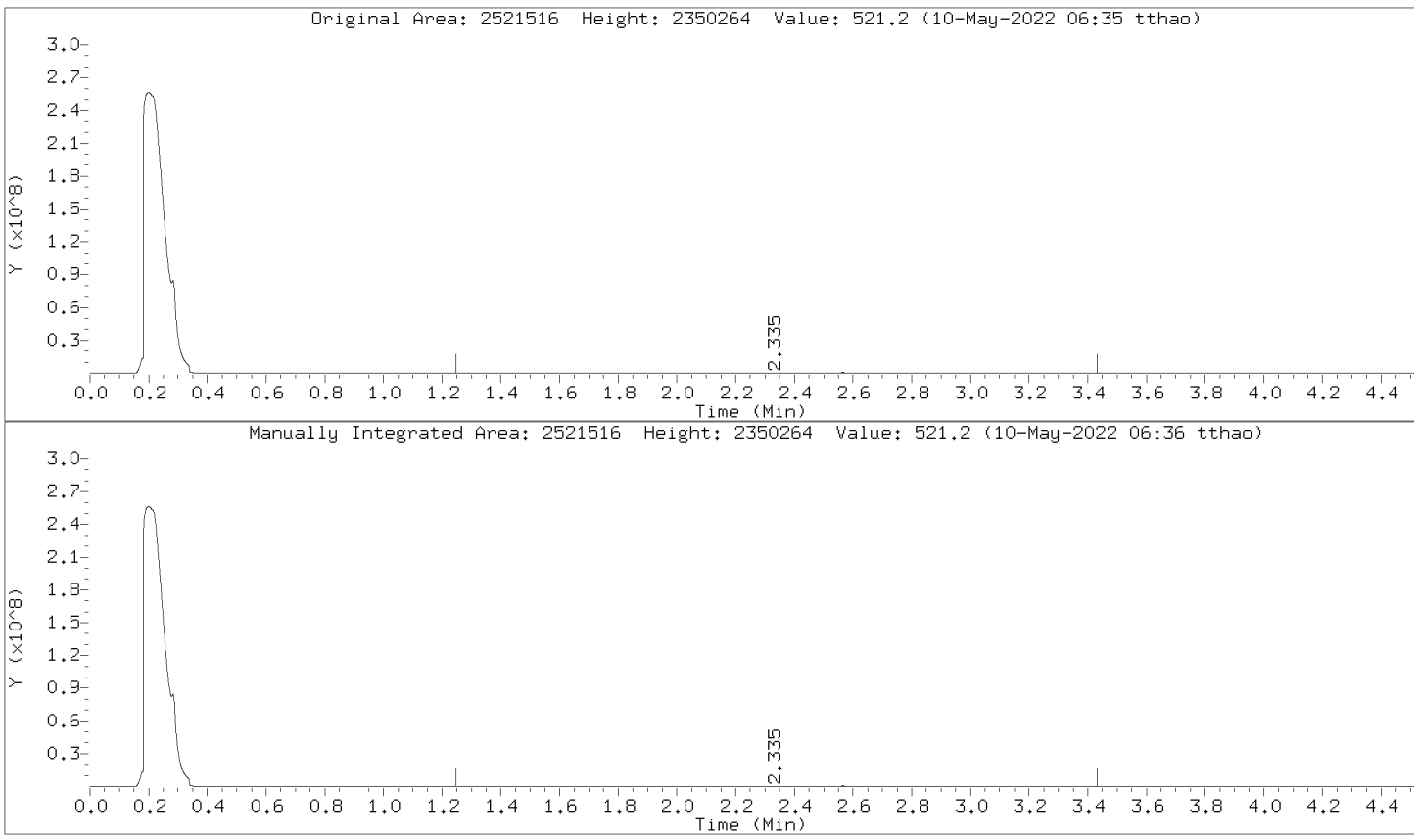
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



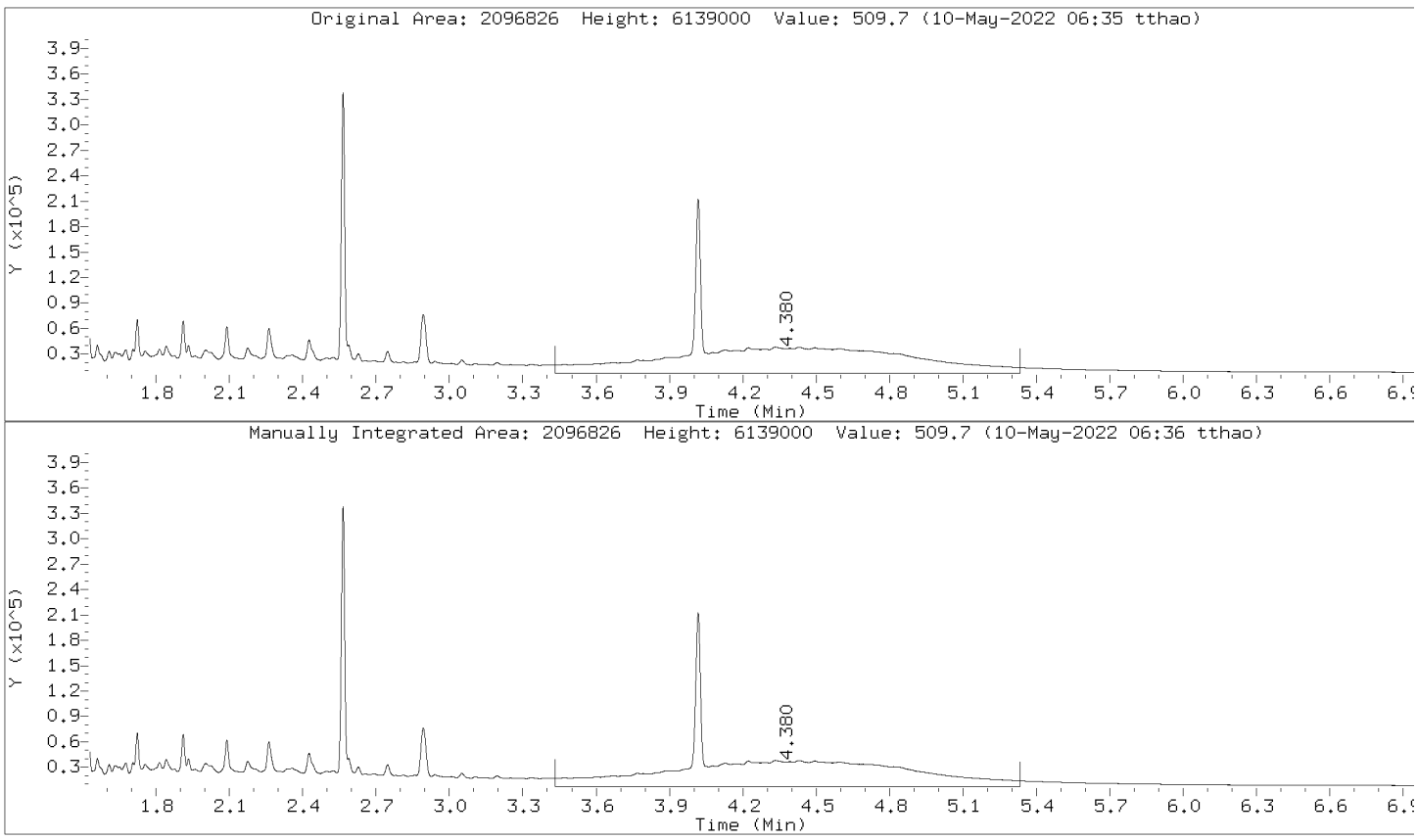
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



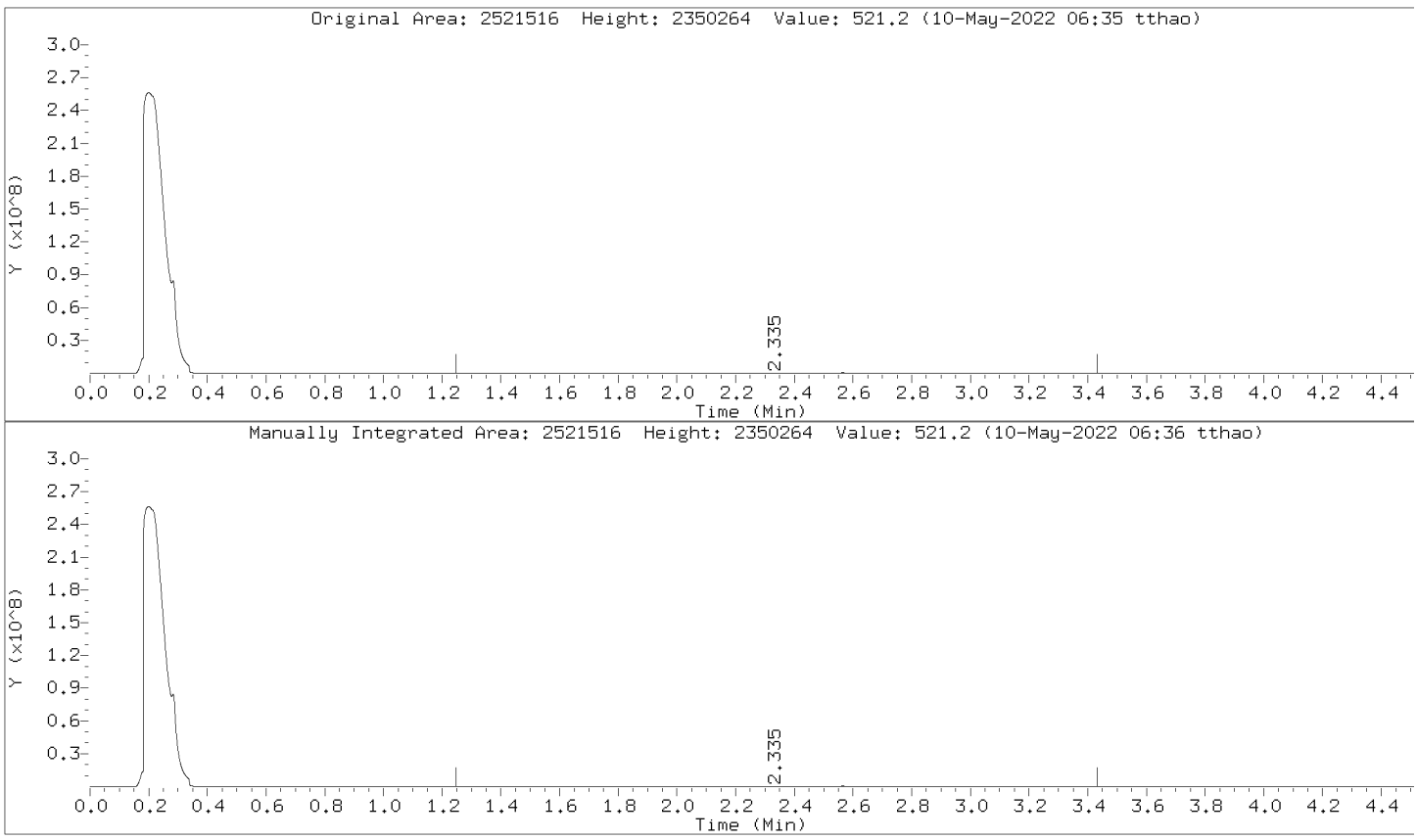
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



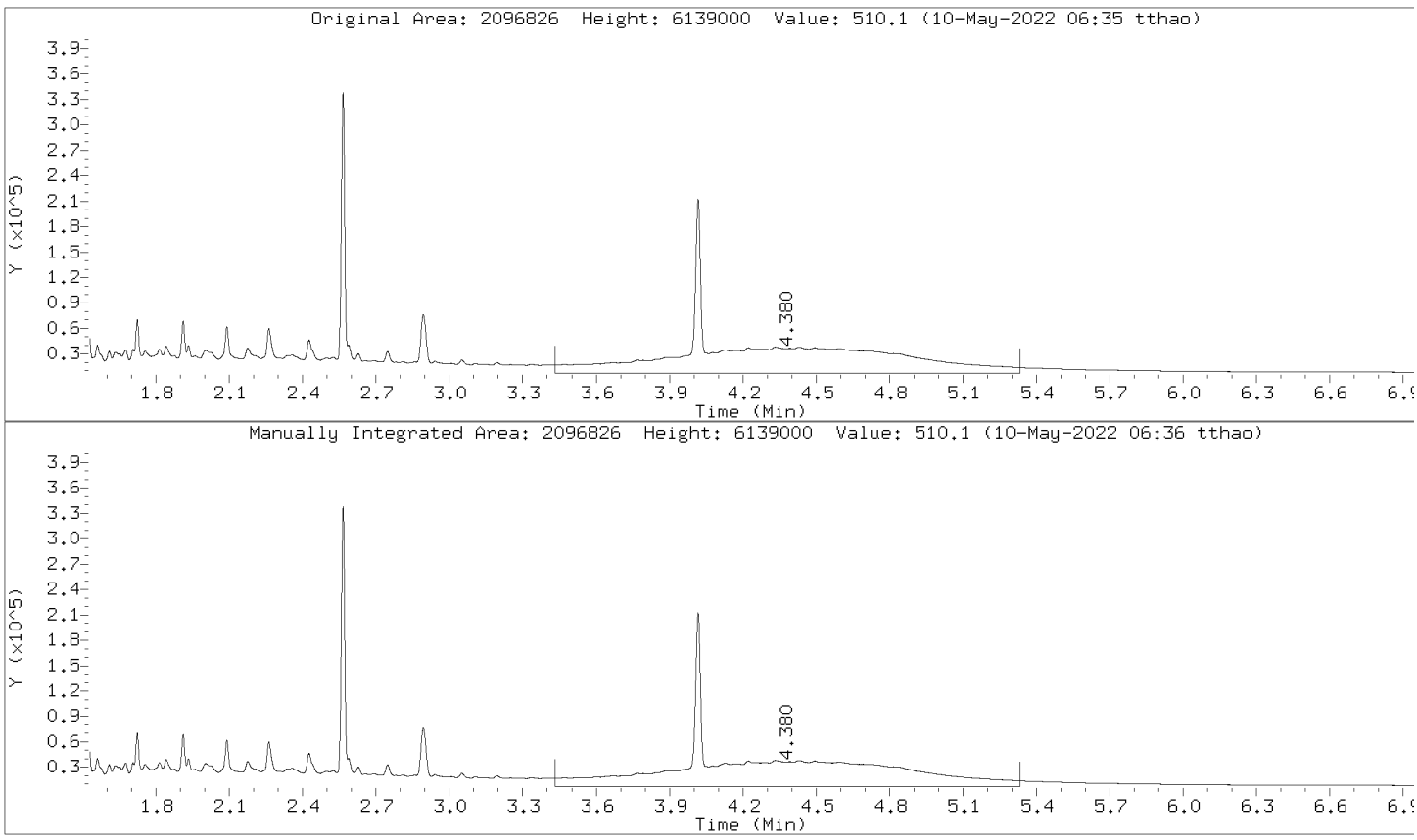
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



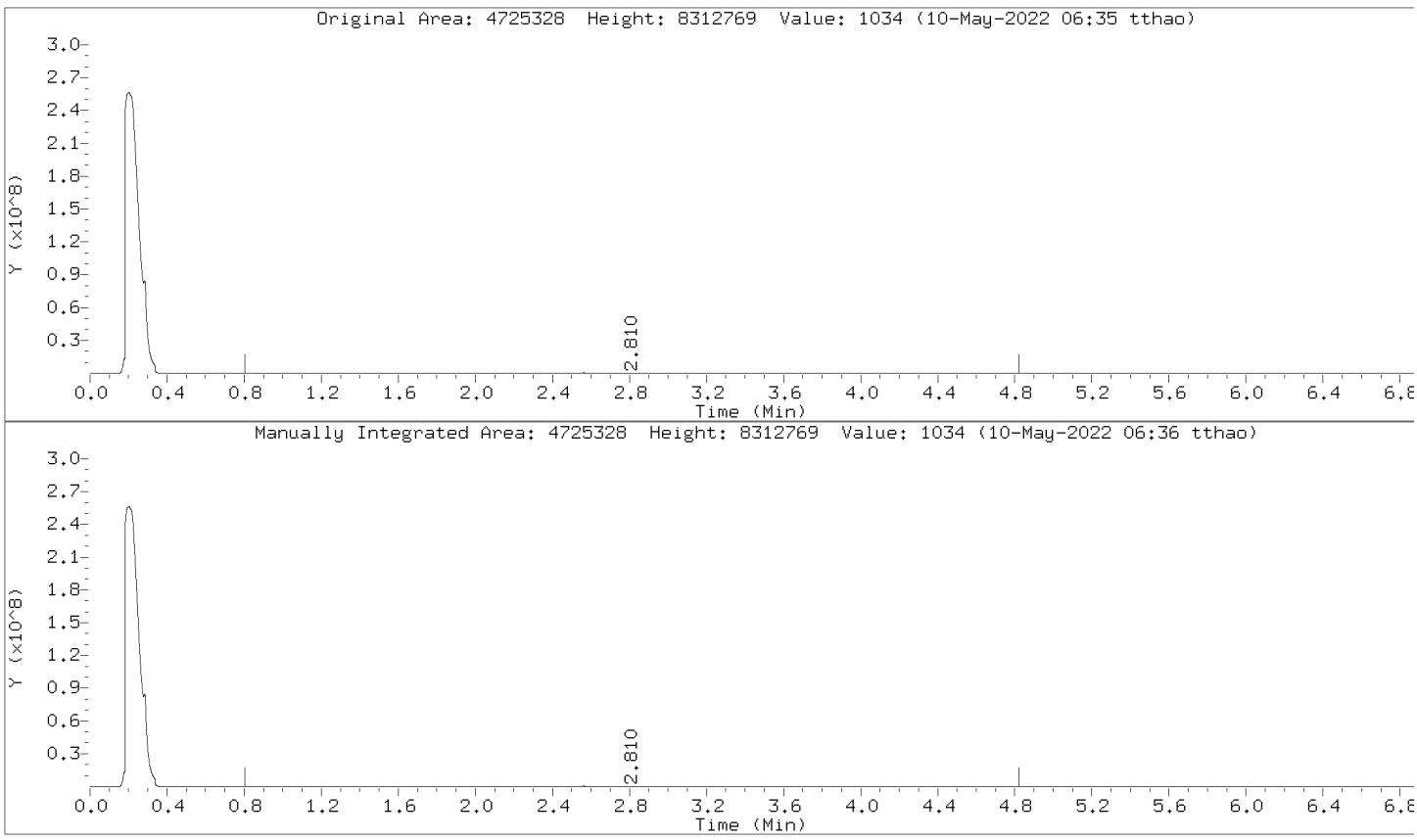
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



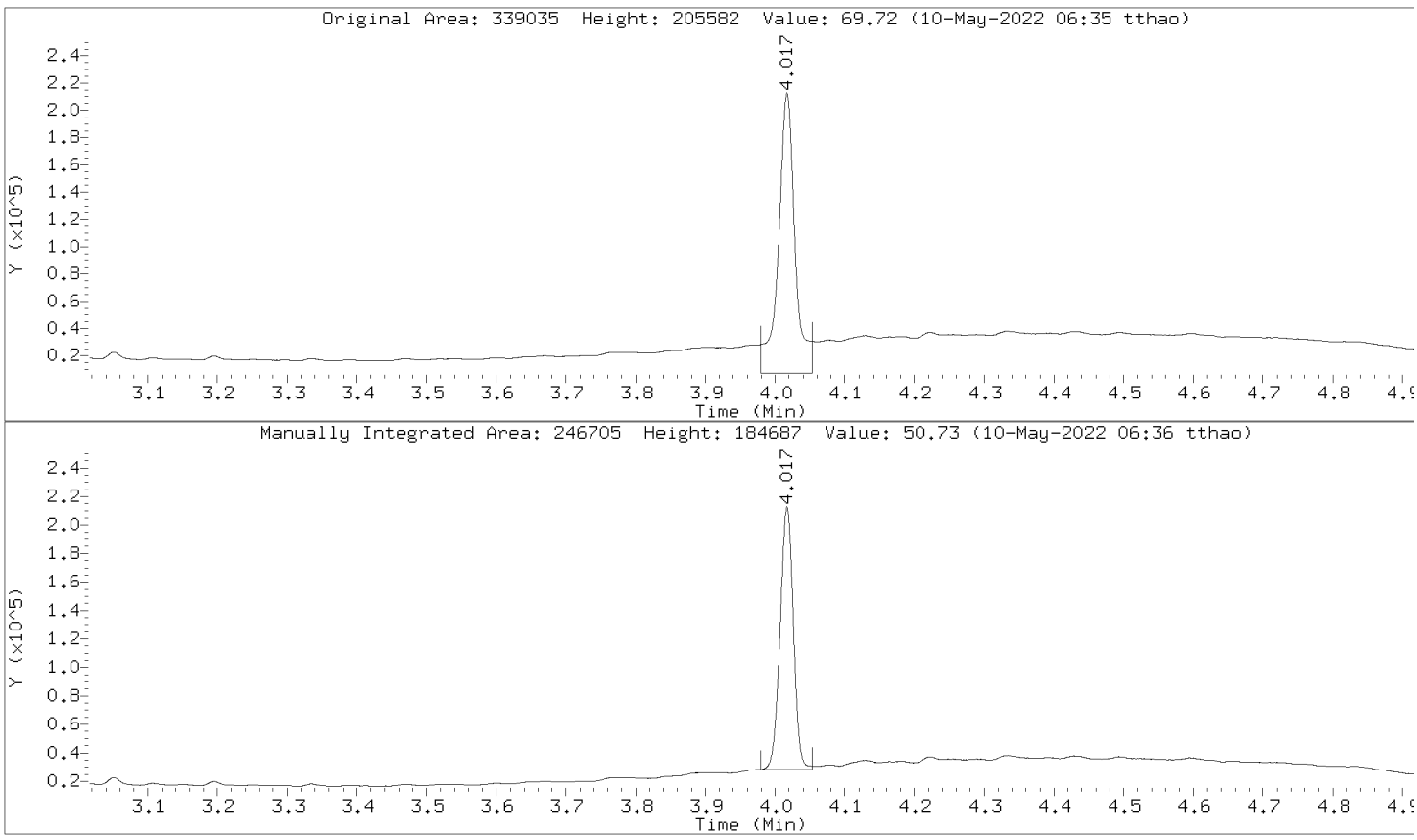
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: C10-C36 Review Code: RNG
CAS Number:



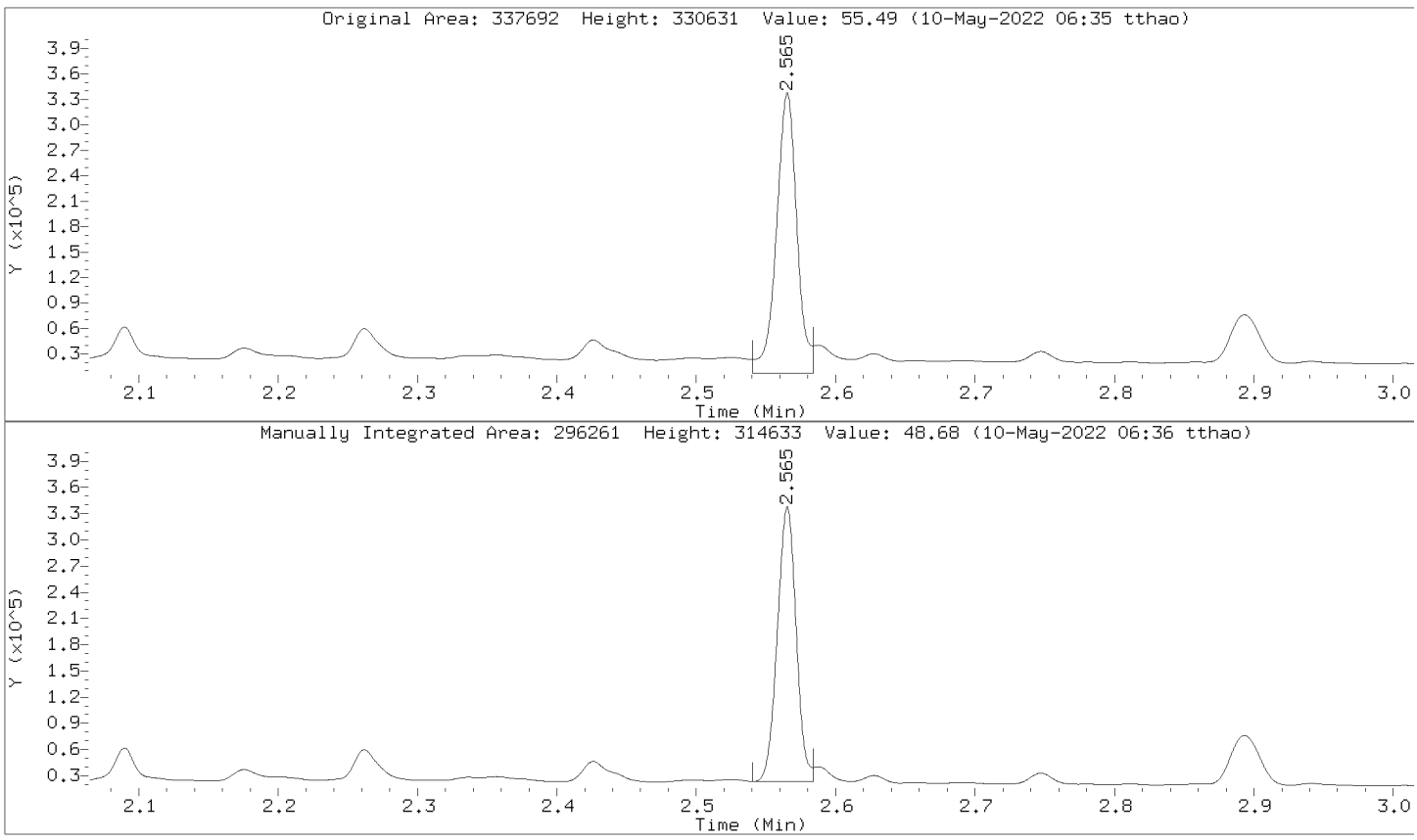
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1737328	1737328
DRO by AK 102	2988000	2988000
TPH-DRO (C10-C28)	3425790	3425790
Motor Oil Range (C24-C36)	1817086	1817086
Diesel Fuel Range	2521516	2521516
Motor Oil Range	2096826	2096826
Diesel Fuel Range SG	2521516	2521516
Motor Oil Range SG	2096826	2096826
C10-C36	4725328	4725328
n-Triacontane (S)	339035	246705
o-Terphenyl (S)	337692	296261

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051022F.b\0510F0000105.D
Lab Smp Id: DMO-CCV,363721:2 Client Smp ID: DMO-CCV,363721:2
Inj Date : 11-MAY-2022 06:39
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-ccv,363721:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051022F.b\GCSFakNW8015-050922_3928
Meth Date : 11-May-2022 12:52 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10SVOA-TT

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		3119346	500.000	545	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.566	2.566	0.000	312096	50.0000	51.3	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.023	4.024	-0.001	257662	50.0000	53.0	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.810		1956472	500.000	581	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.940		3599653	500.000	548	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.810		2044919	500.000	581	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.810		5075818	1000.00	1120	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		2639473	500.000	548	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		2639473	500.000	548	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.300		2419603	500.000	593	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.300		2419603	500.000	593	(M)	RNG

QC Flag Legend

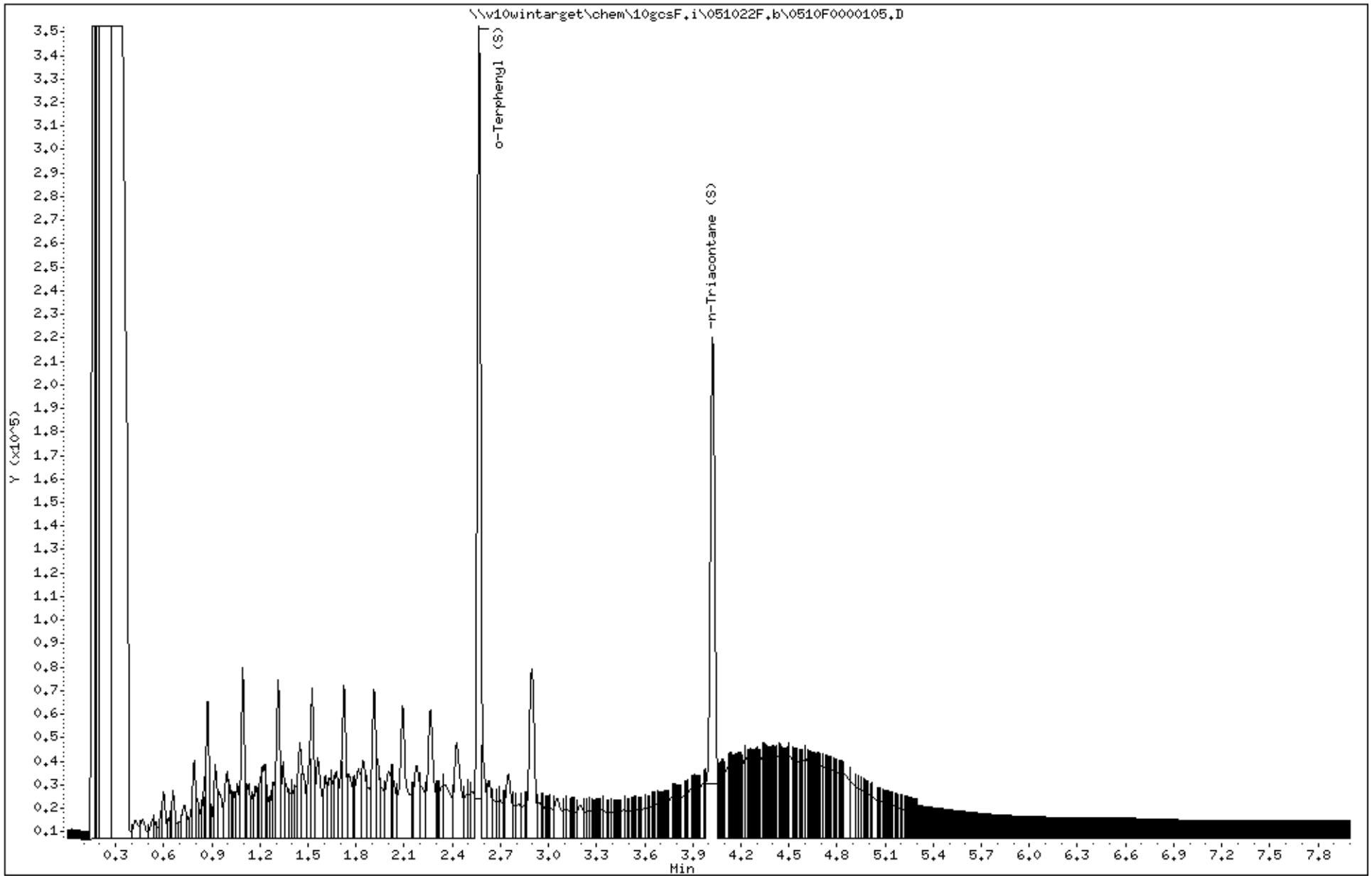
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

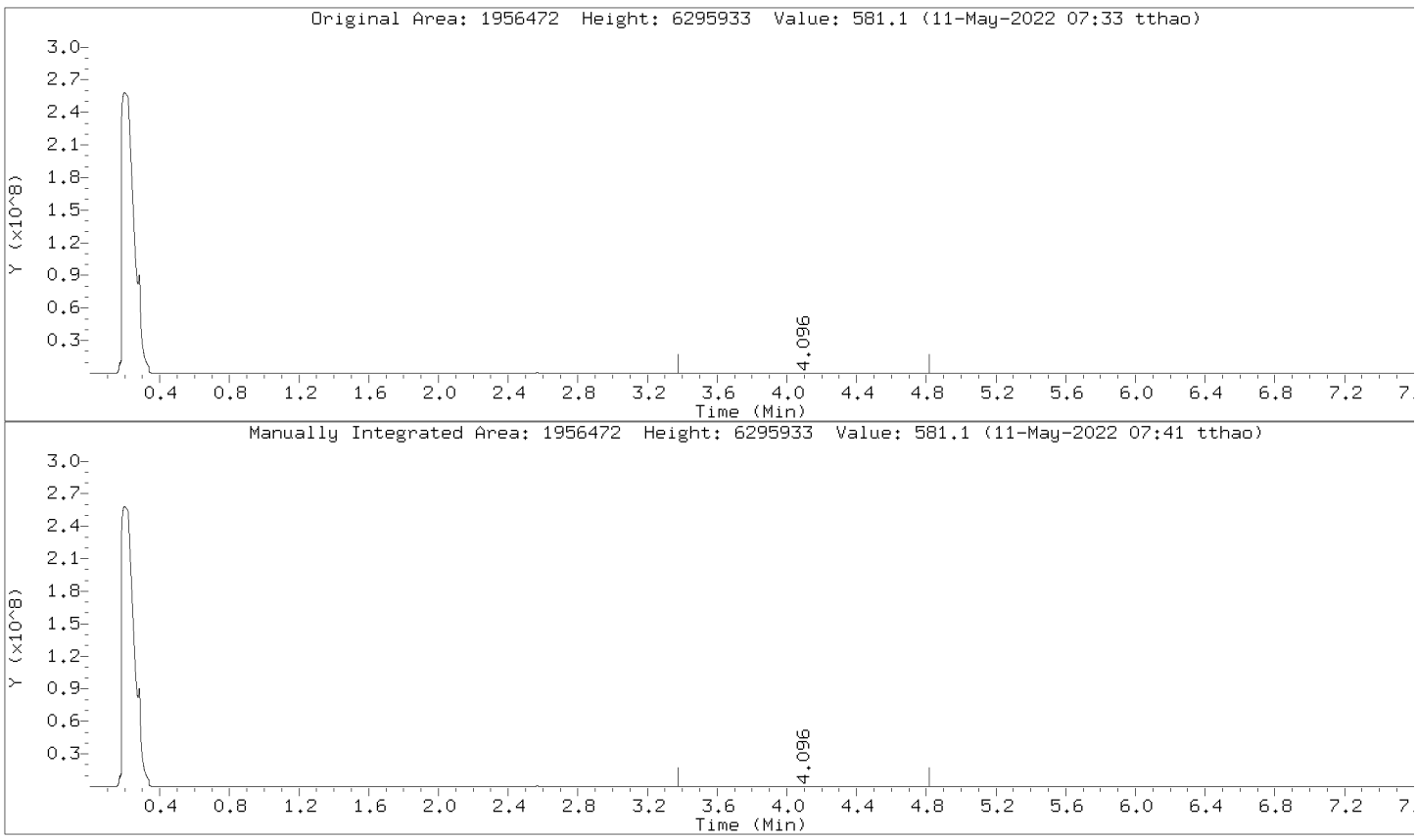
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b\0510F0000105.D
Date : 11-MAY-2022 06:39
Client ID: DMO-CCV,363721:2
Sample Info: DMO-CCV,363721:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000105.D
Injection Date: 11-MAY-2022 06:39
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



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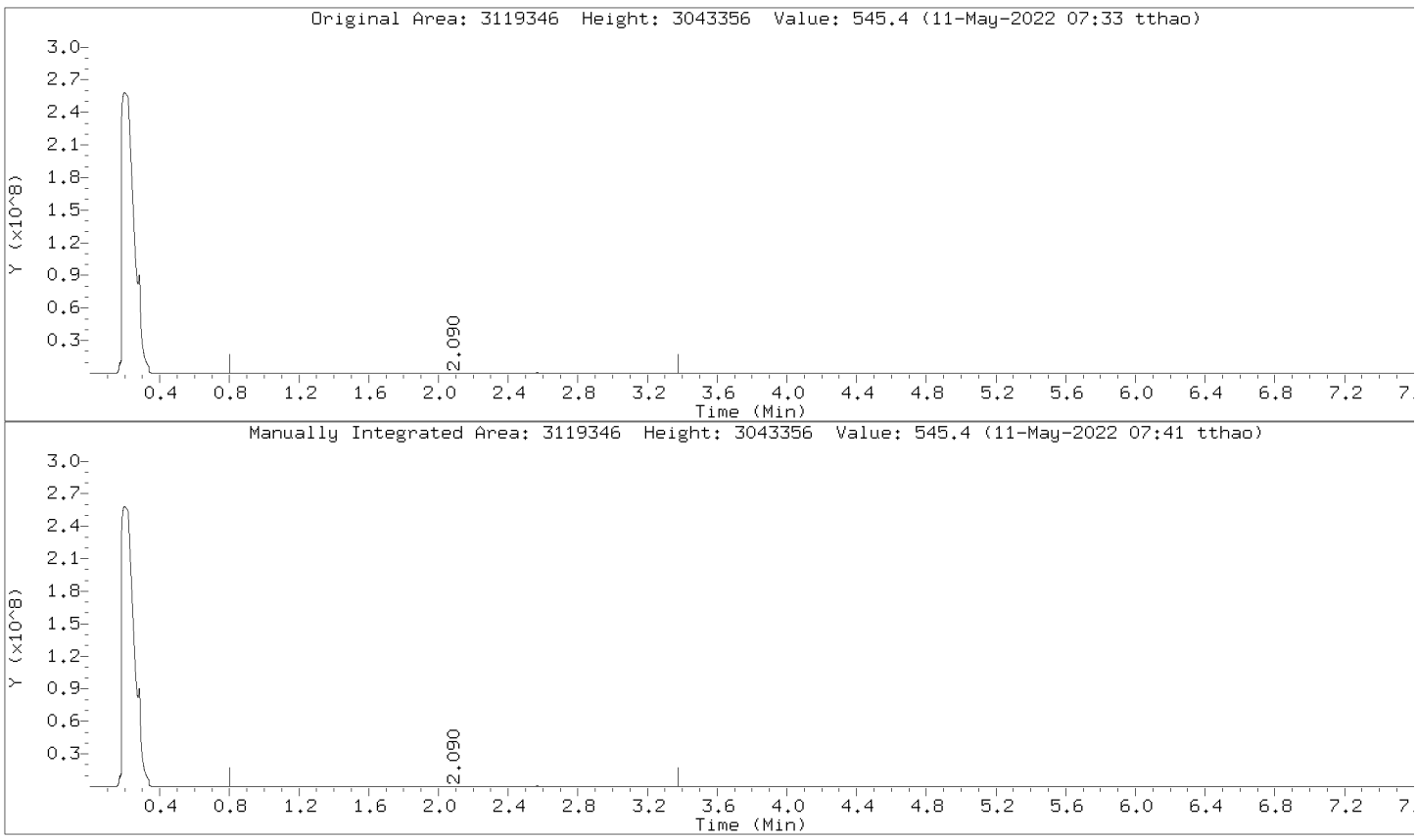
Injection Date: 11-MAY-2022 06:39
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



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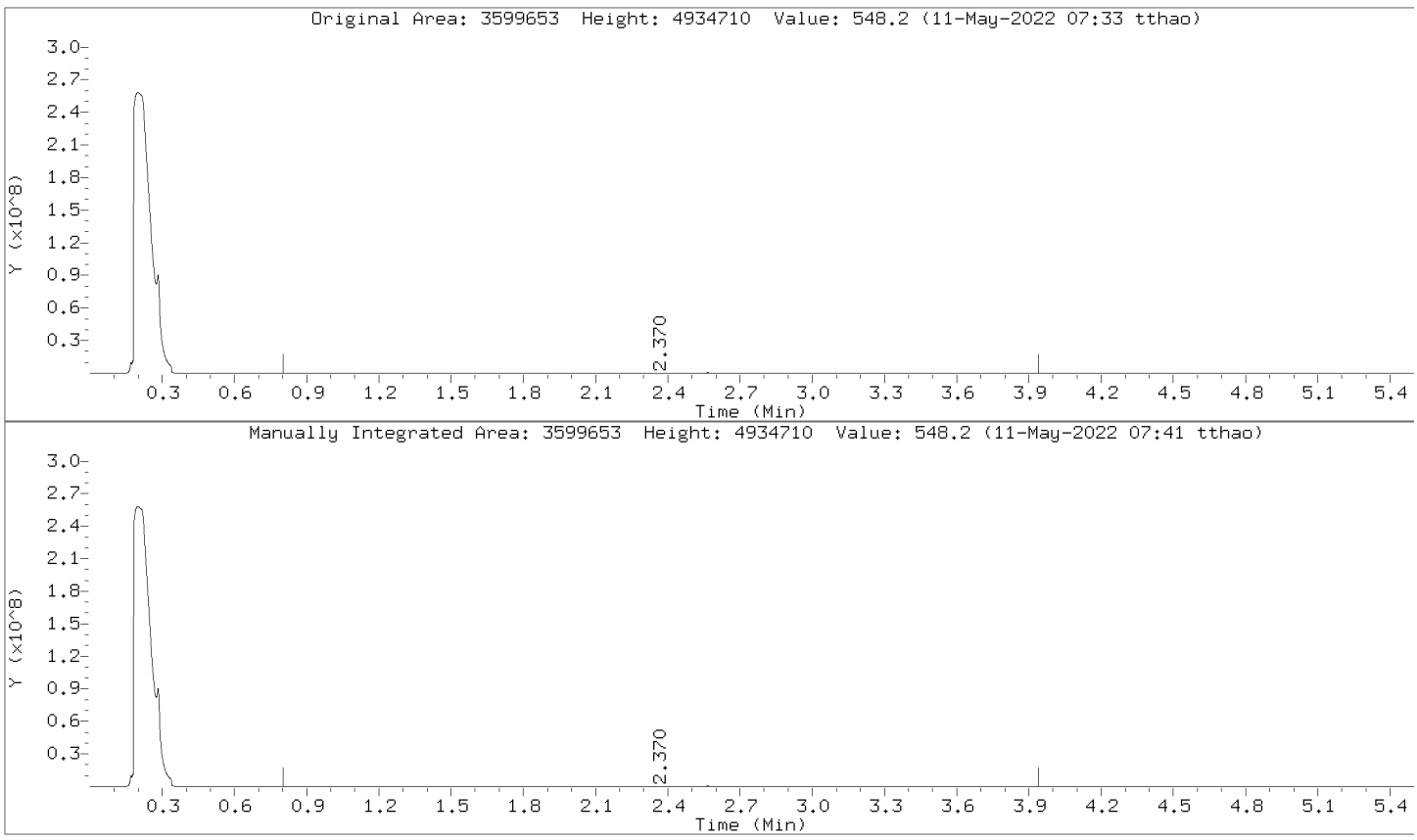
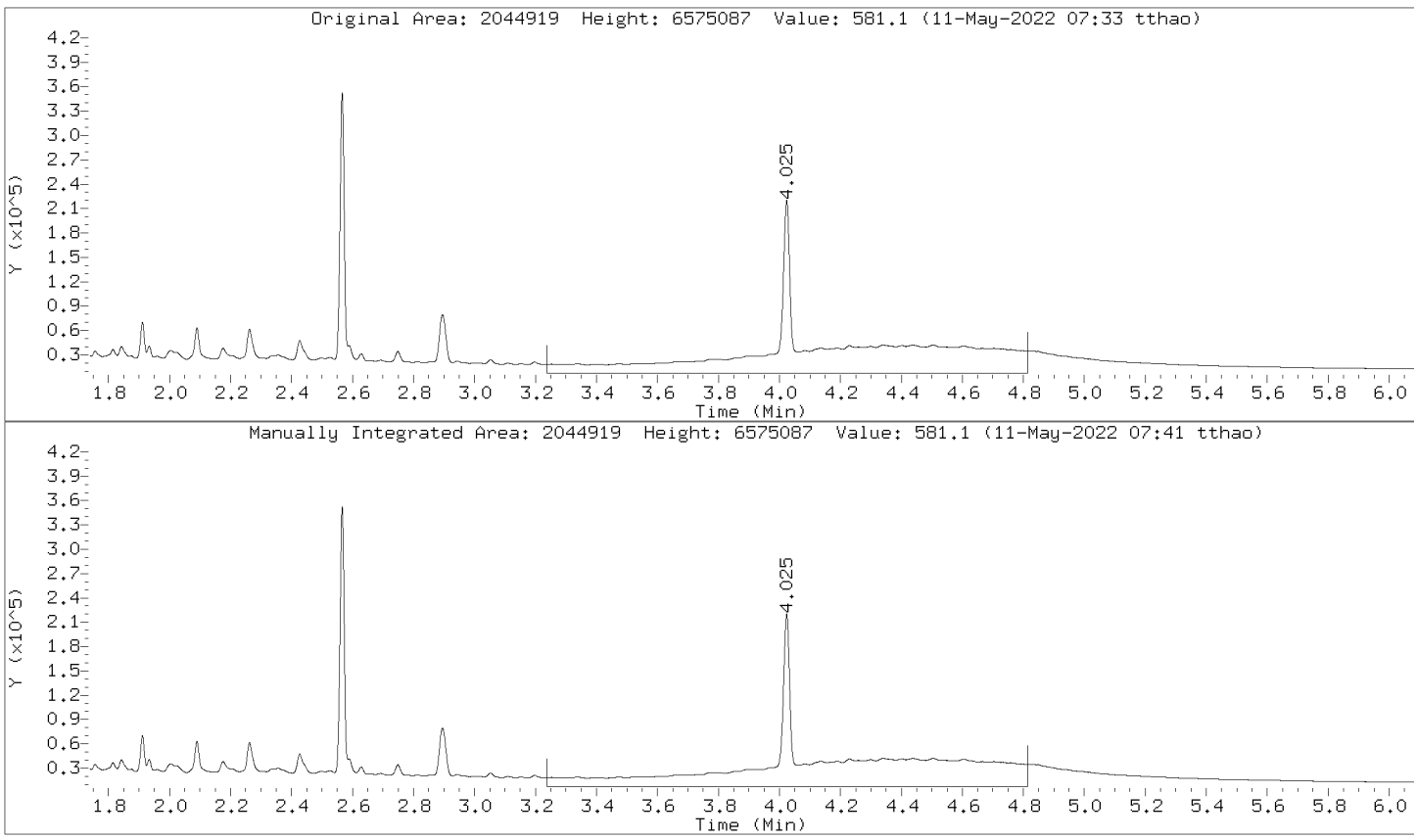
Injection Date: 11-MAY-2022 06:39
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



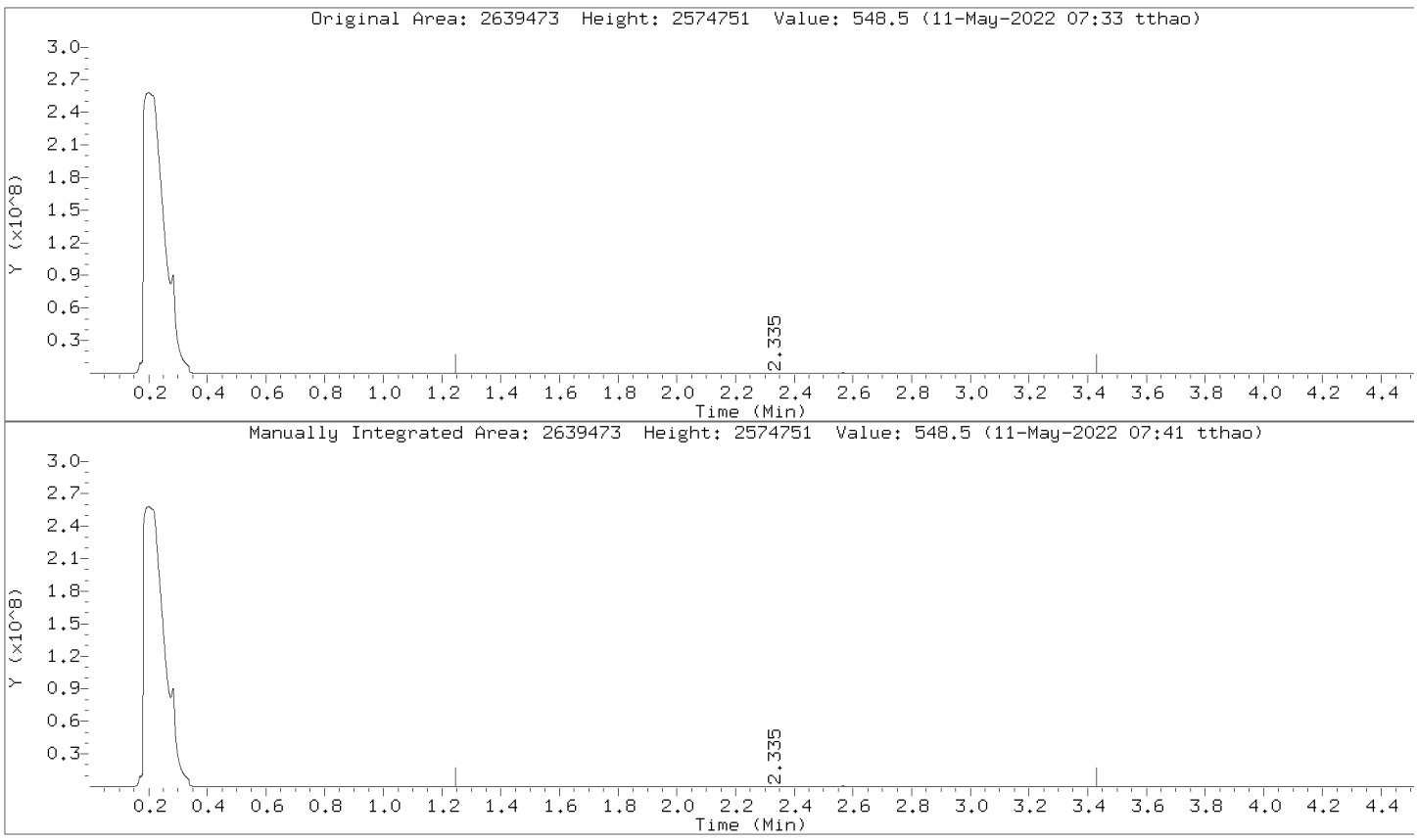
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000105.D
Injection Date: 11-MAY-2022 06:39
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000105.D
Injection Date: 11-MAY-2022 06:39
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



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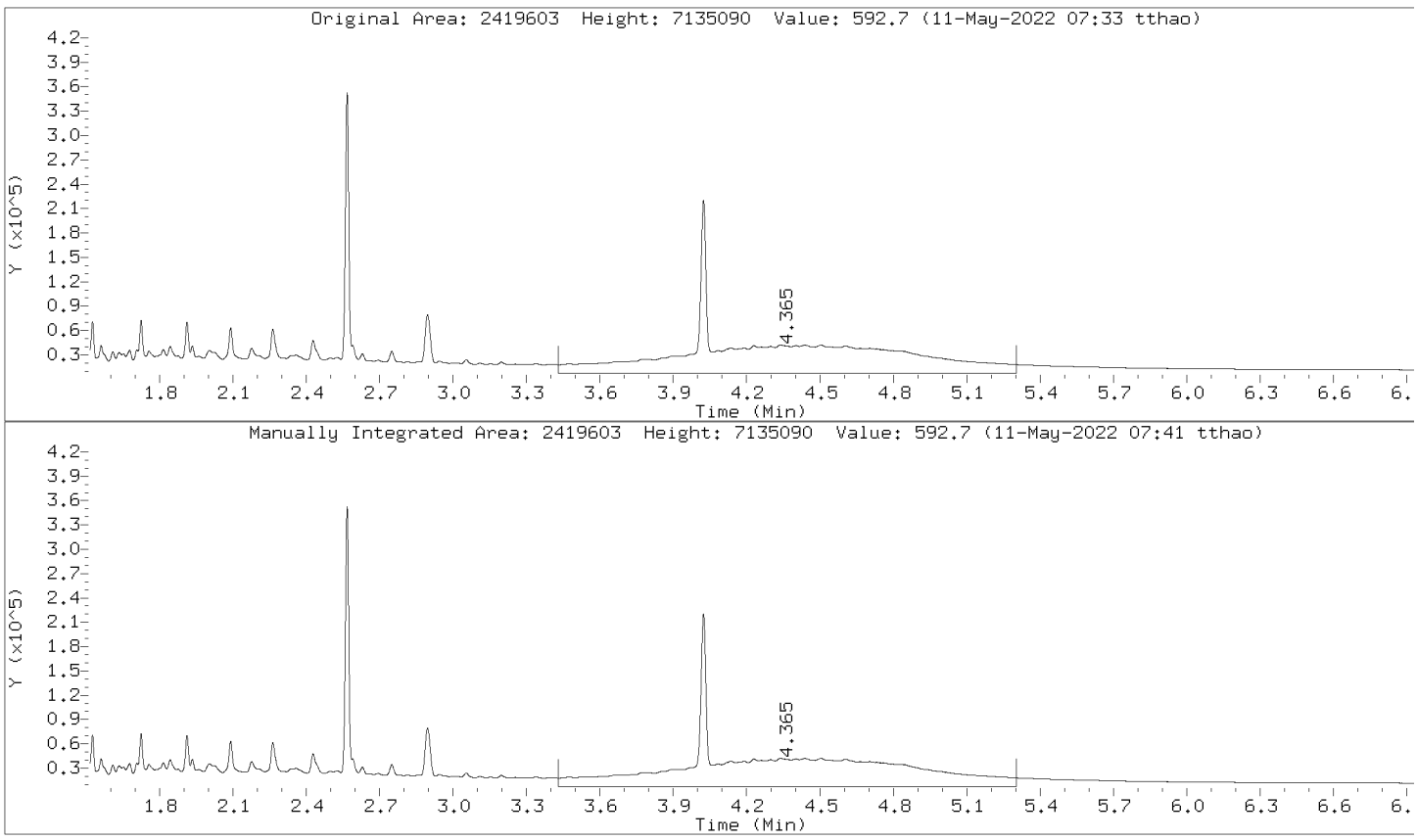
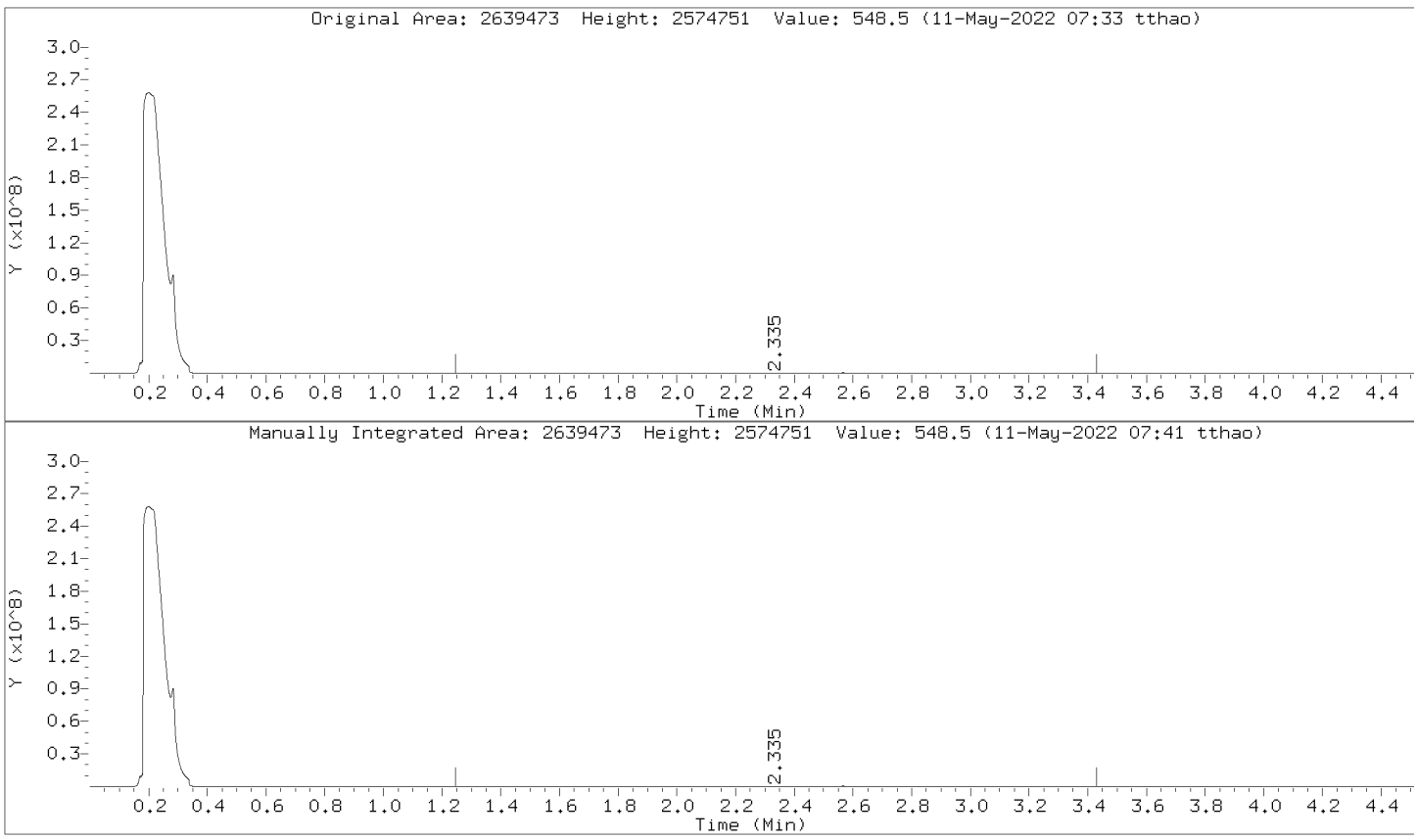
Injection Date: 11-MAY-2022 06:39
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



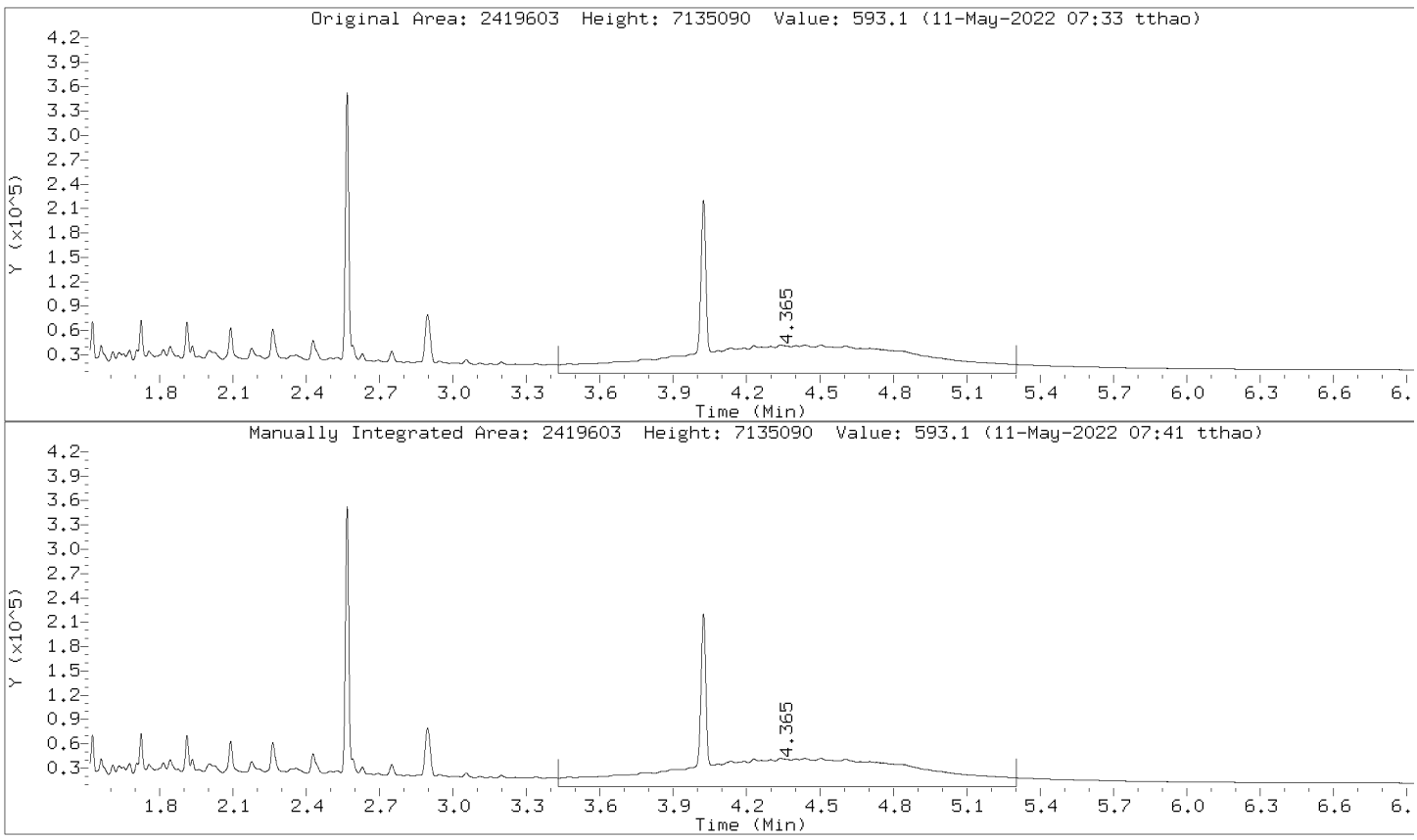
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000105.D
Injection Date: 11-MAY-2022 06:39
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



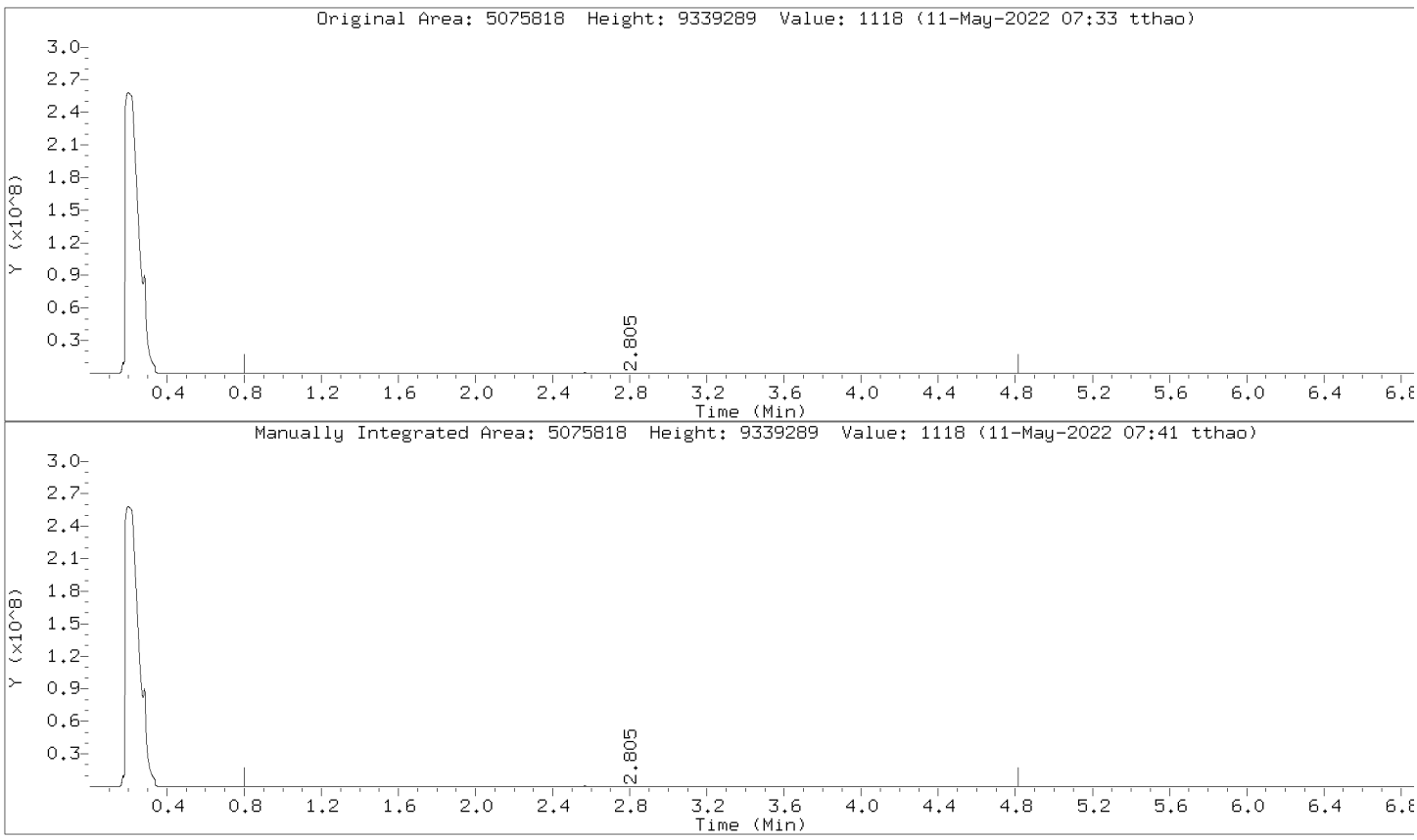
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000105.D
Injection Date: 11-MAY-2022 06:39
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



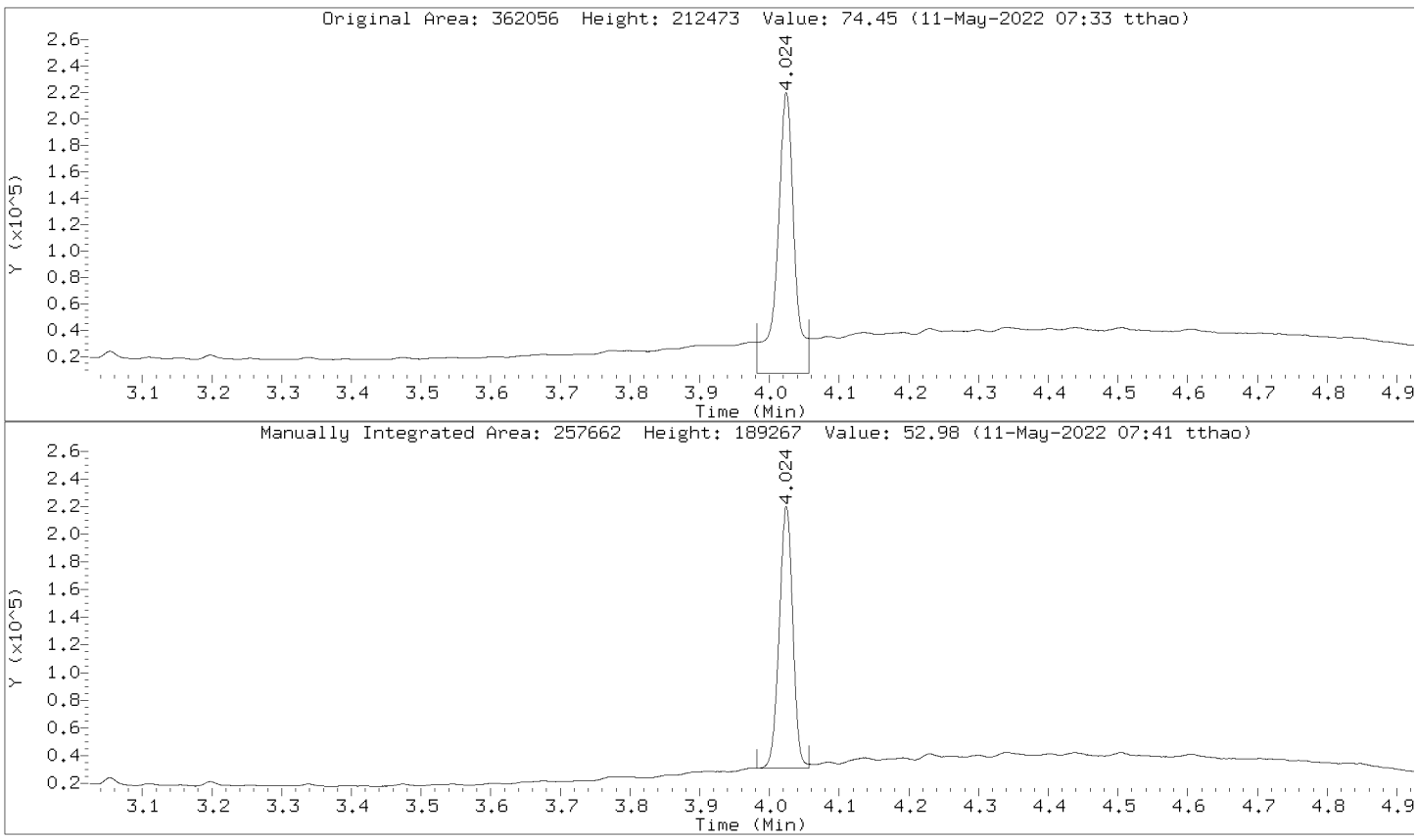
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000105.D
Injection Date: 11-MAY-2022 06:39
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: C10-C36 Review Code: RNG
CAS Number:



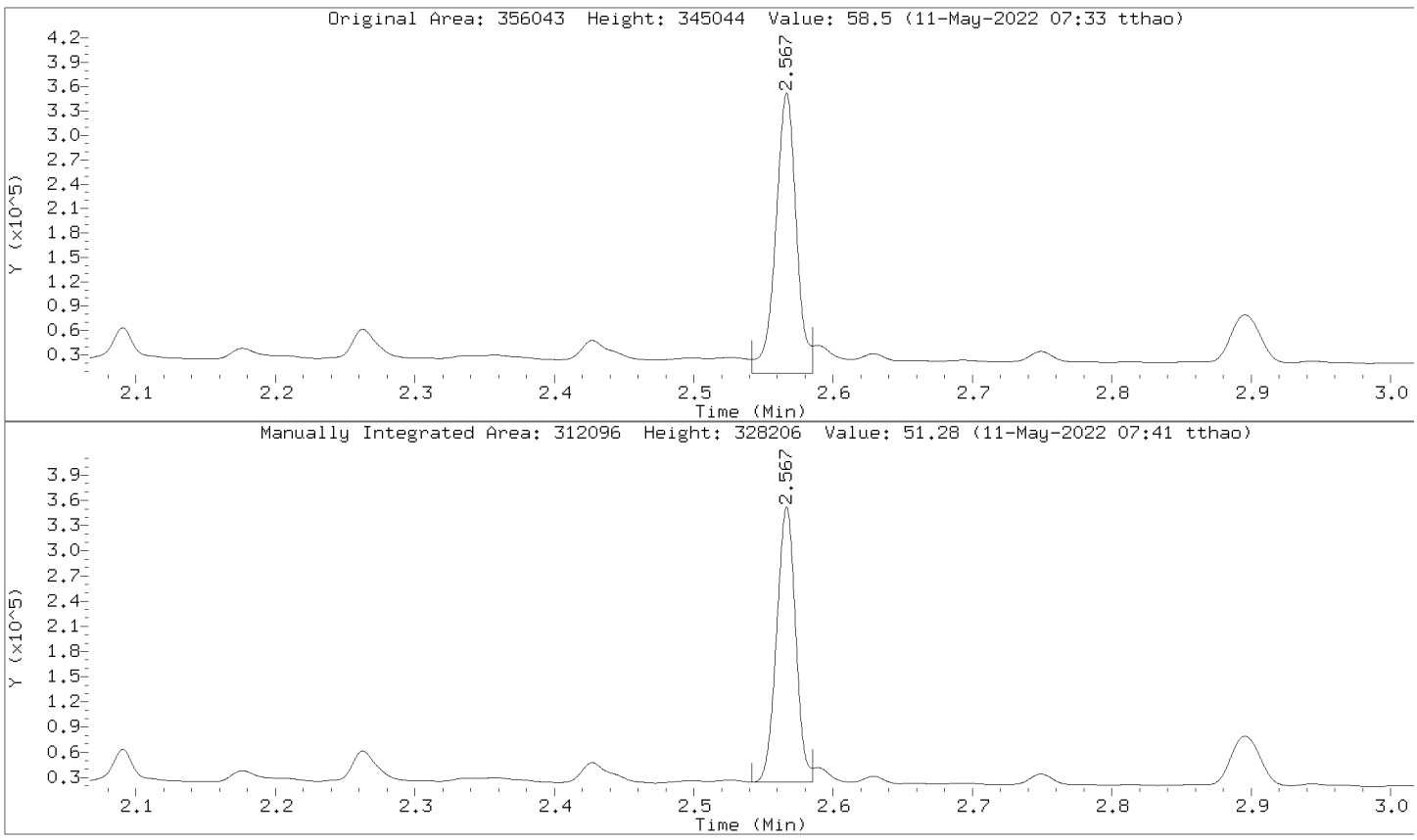
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000105.D
Injection Date: 11-MAY-2022 06:39
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000105.D
Injection Date: 11-MAY-2022 06:39
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1956472	1956472
DRO by AK 102	3119346	3119346
TPH-DRO (C10-C28)	3599653	3599653
Motor Oil Range (C24-C36)	2044919	2044919
Diesel Fuel Range	2639473	2639473
Motor Oil Range	2419603	2419603
Diesel Fuel Range SG	2639473	2639473
Motor Oil Range SG	2419603	2419603
C10-C36	5075818	5075818
n-Triacontane (S)	362056	257662
o-Terphenyl (S)	356043	312096

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051022F.b\0510F0000115.D
Lab Smp Id: DMO-CCV,363721:2 Client Smp ID: DMO-CCV,363721:2
Inj Date : 11-MAY-2022 08:33
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-ccv,363721:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051022F.b\GCSFakNW8015-050922_3928
Meth Date : 11-May-2022 12:52 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10SVOA-TT

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		2937106	500.000	510	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.566	2.566	0.000	296545	50.0000	48.7	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.023	4.024	-0.001	244075	50.0000	50.2	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.810		1718860	500.000	507	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.940		3361382	500.000	508	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.810		1797438	500.000	507	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.810		4655966	1000.00	1020	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		2476072	500.000	511	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		2476072	500.000	511	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.300		2065143	500.000	502	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.300		2065143	500.000	502	(M)	RNG

QC Flag Legend

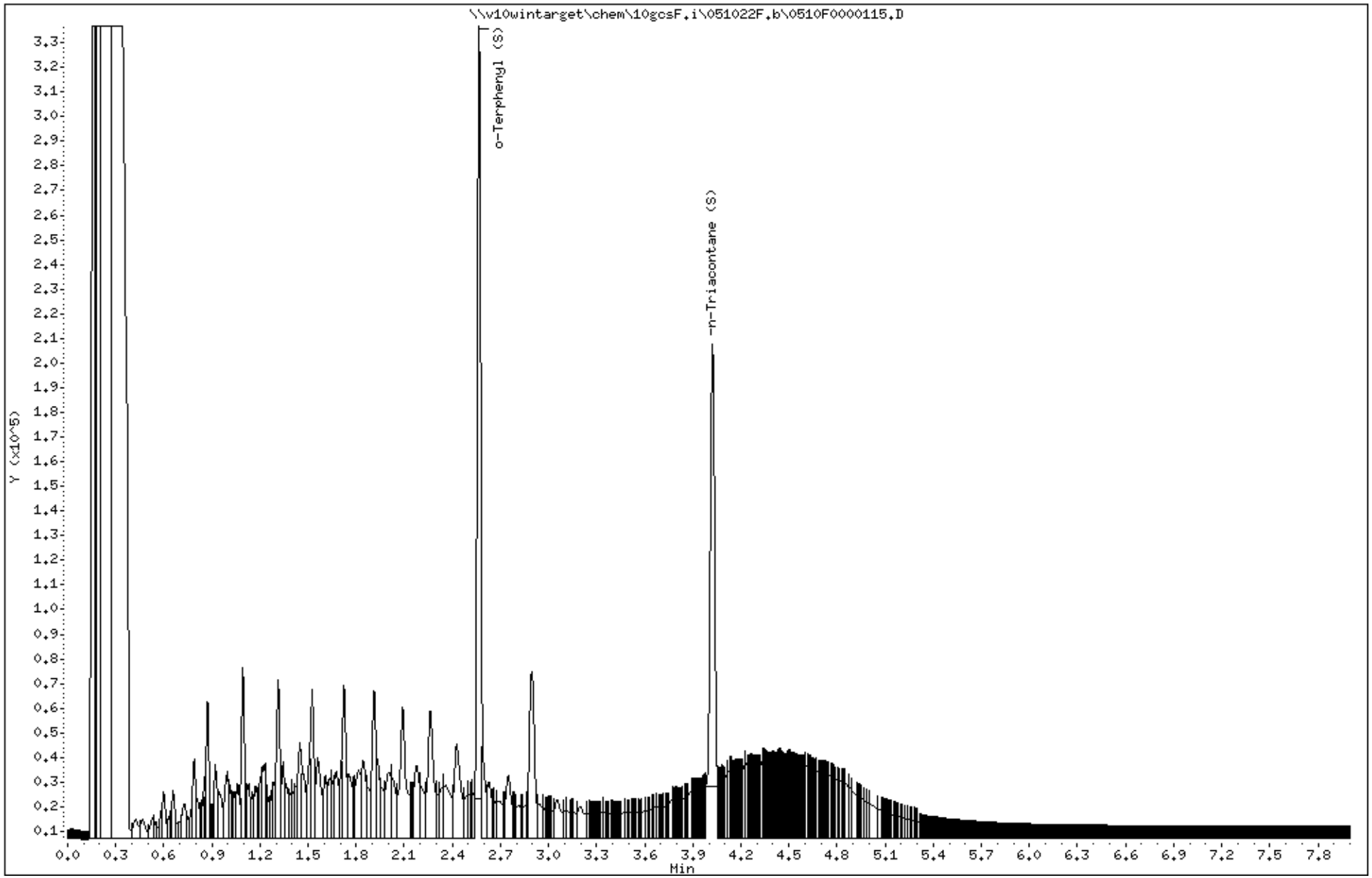
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\051022F.b\0510F0000115.D
Date : 11-MAY-2022 08:33
Client ID: DMO-CCV,363721:2
Sample Info: DMO-CCV,363721:2

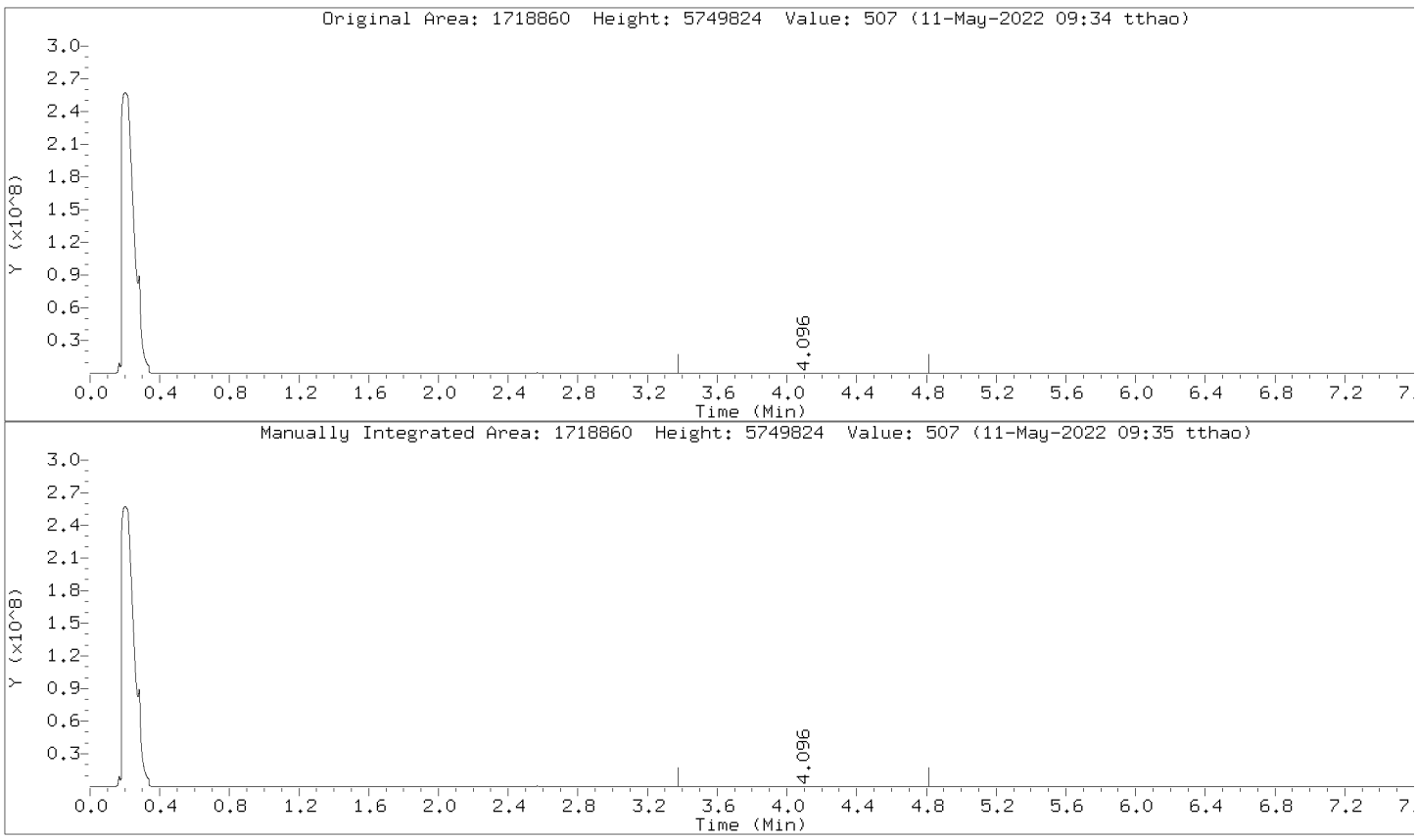
Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



514 of 1320
442 of 777
10606395

Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000115.D
Injection Date: 11-MAY-2022 08:33
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



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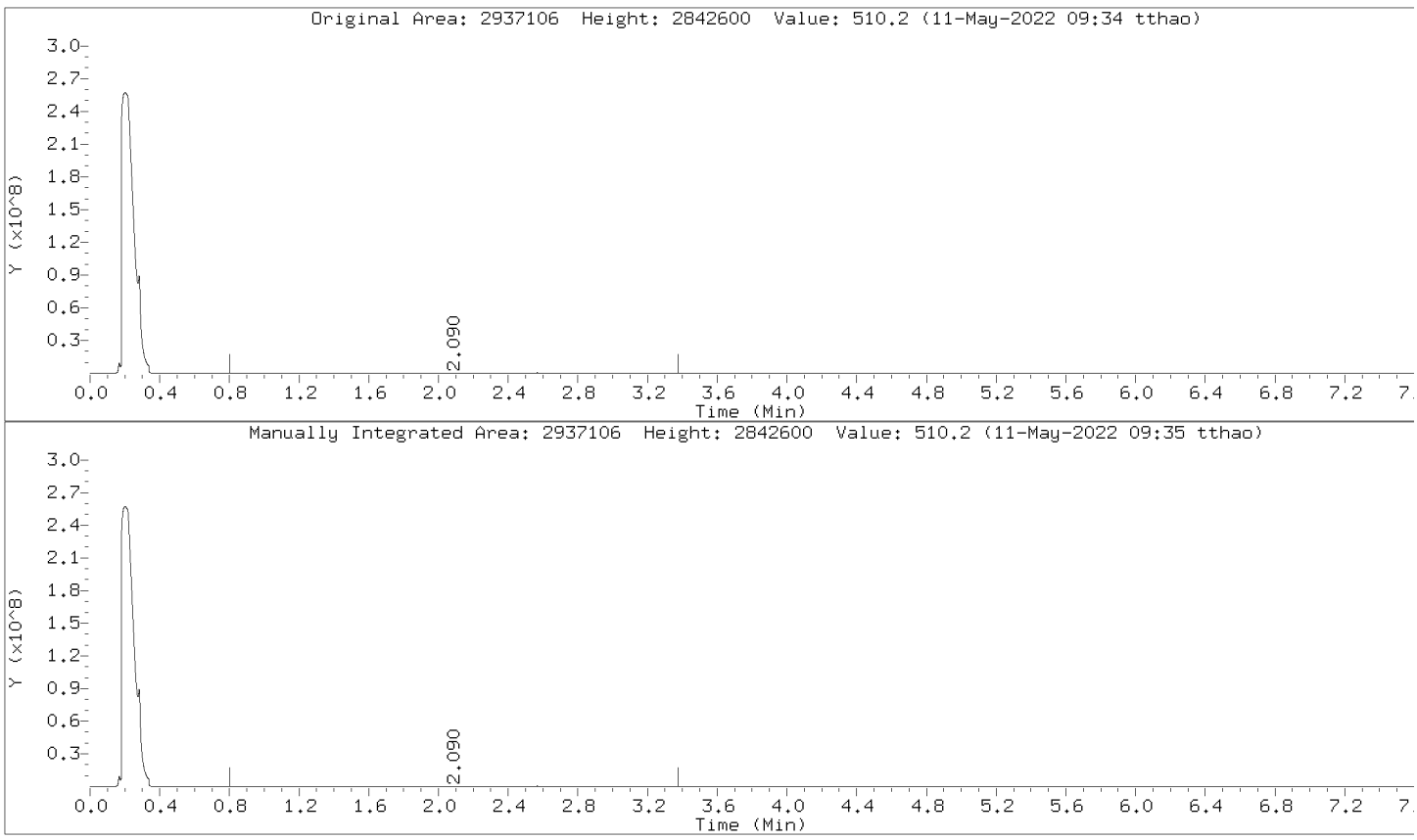
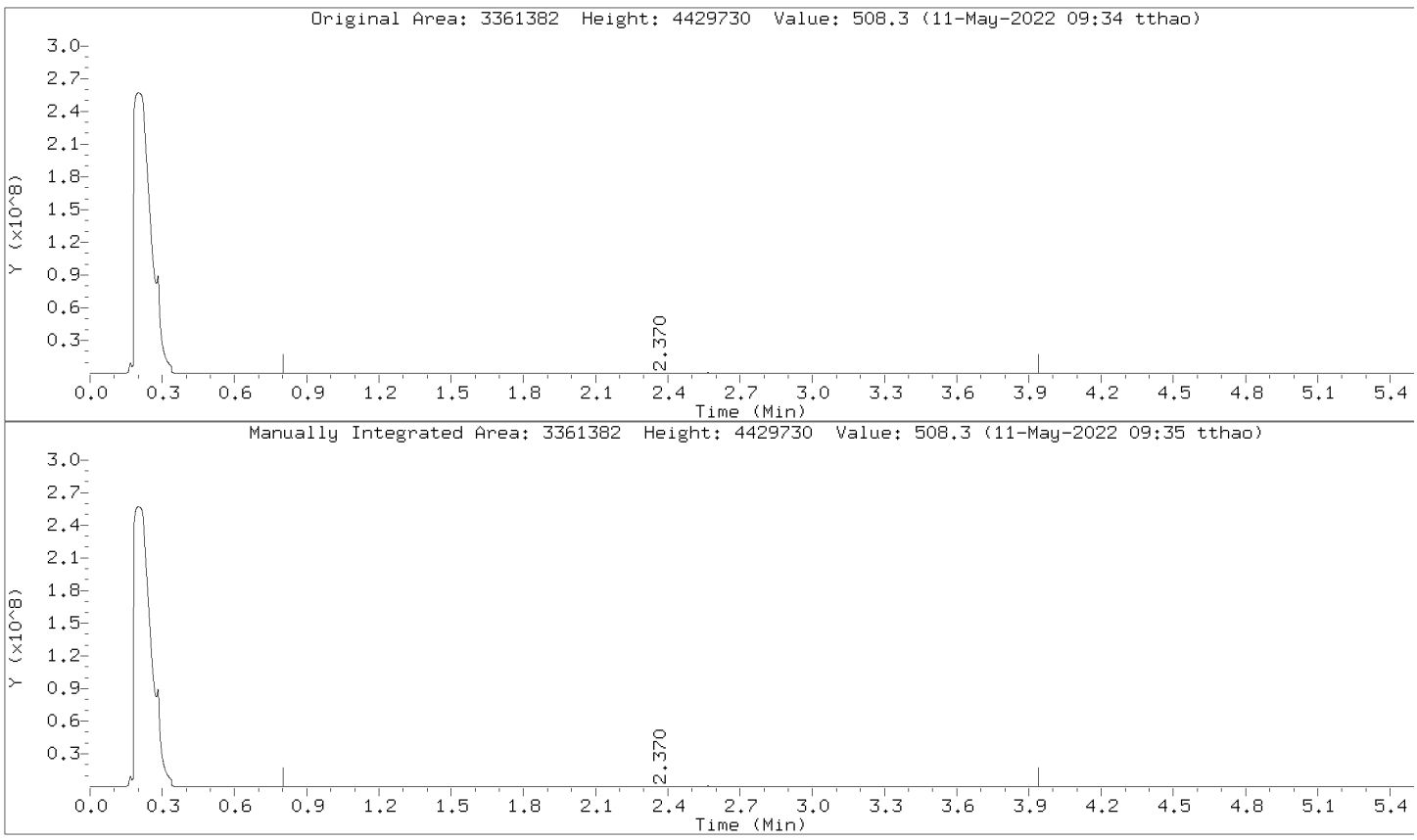
Injection Date: 11-MAY-2022 08:33
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



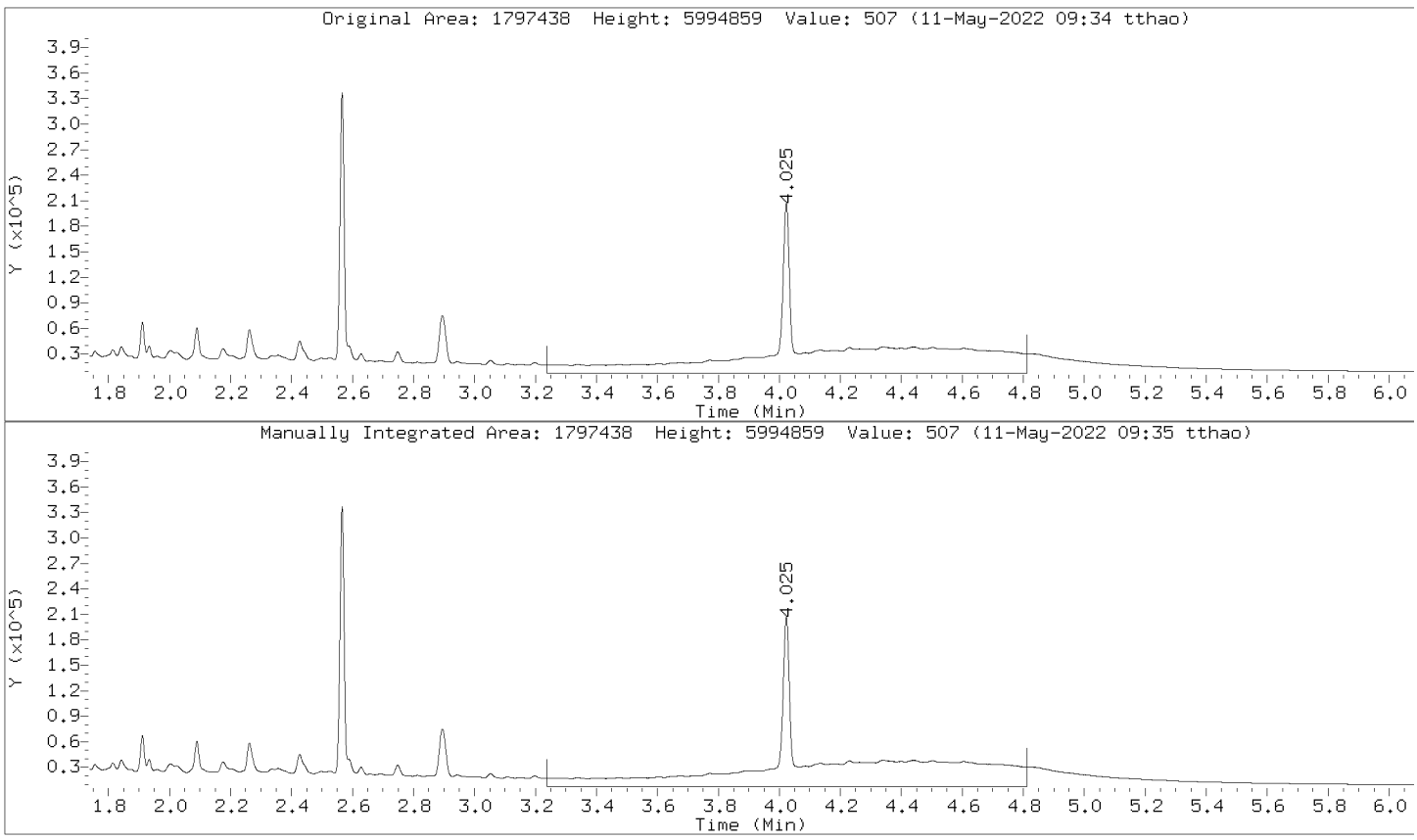
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000115.D
Injection Date: 11-MAY-2022 08:33
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



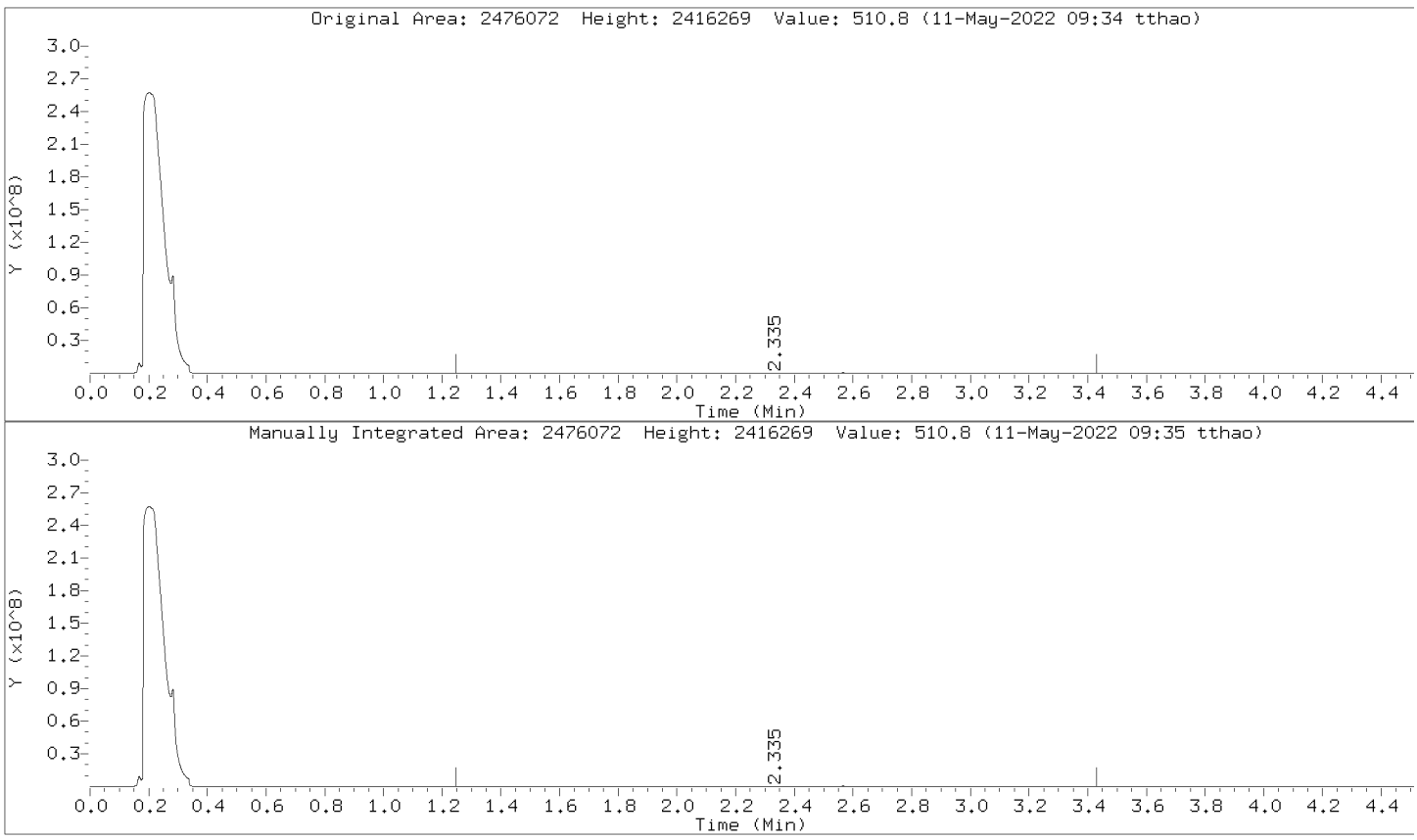
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000115.D
Injection Date: 11-MAY-2022 08:33
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



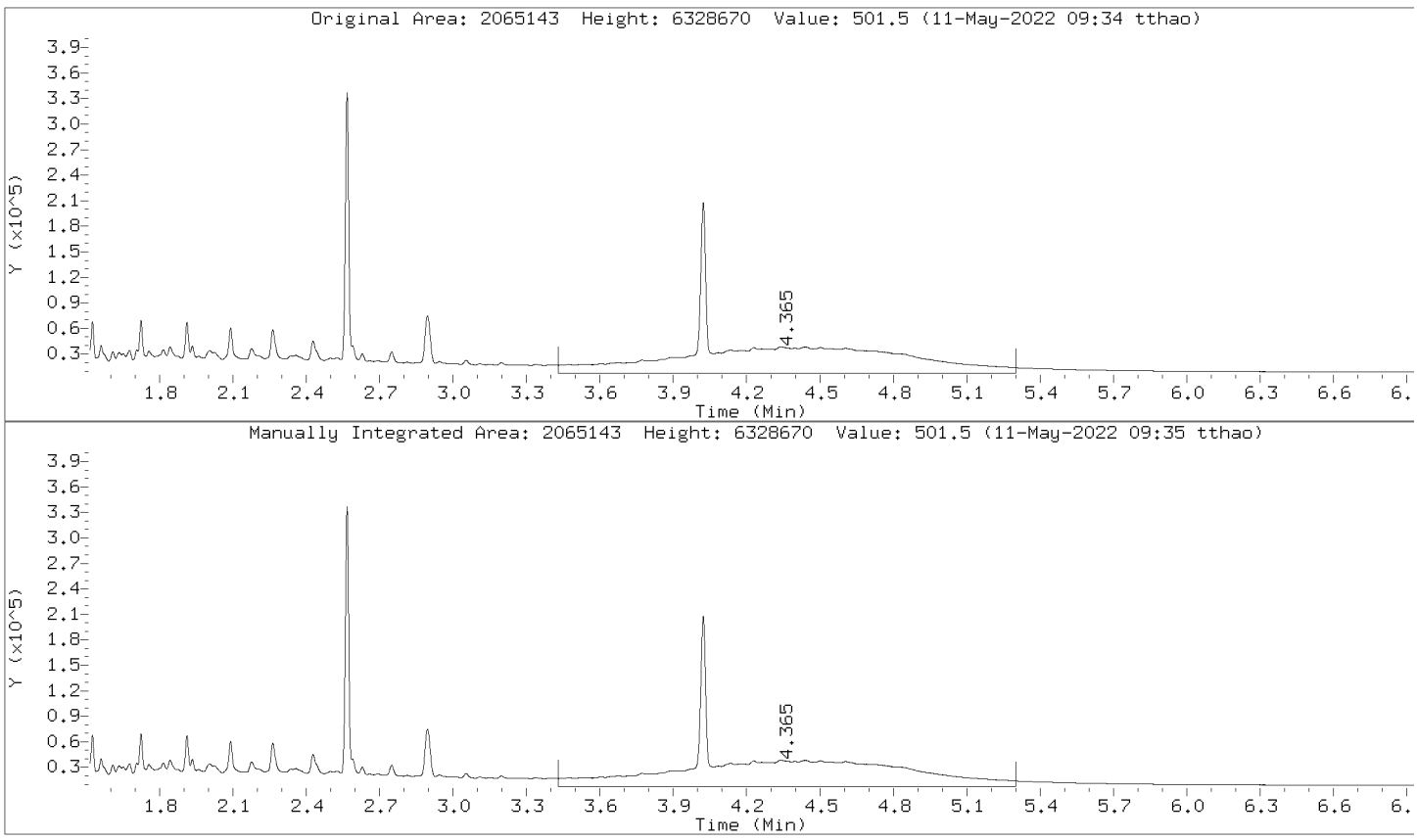
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000115.D
Injection Date: 11-MAY-2022 08:33
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



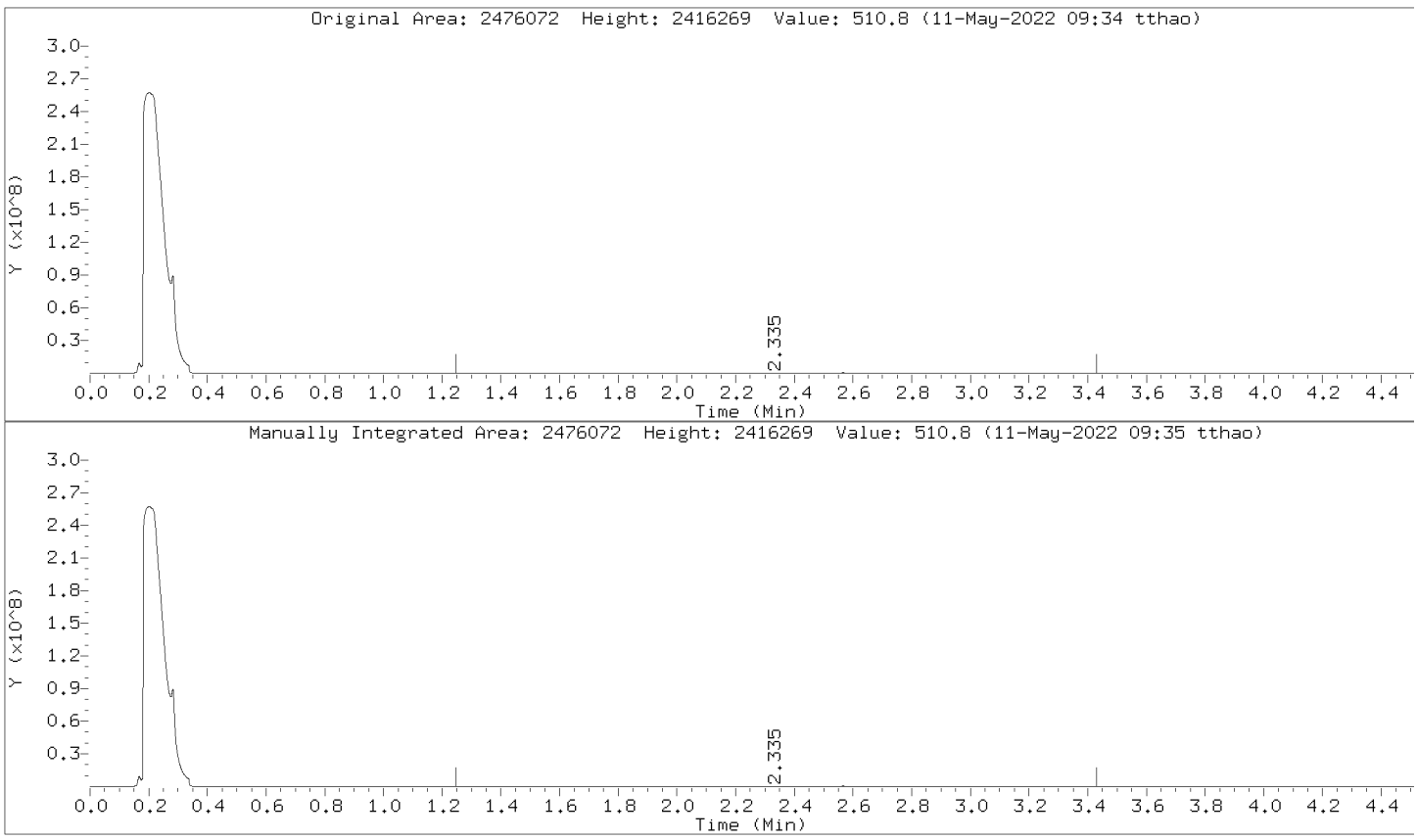
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000115.D
Injection Date: 11-MAY-2022 08:33
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



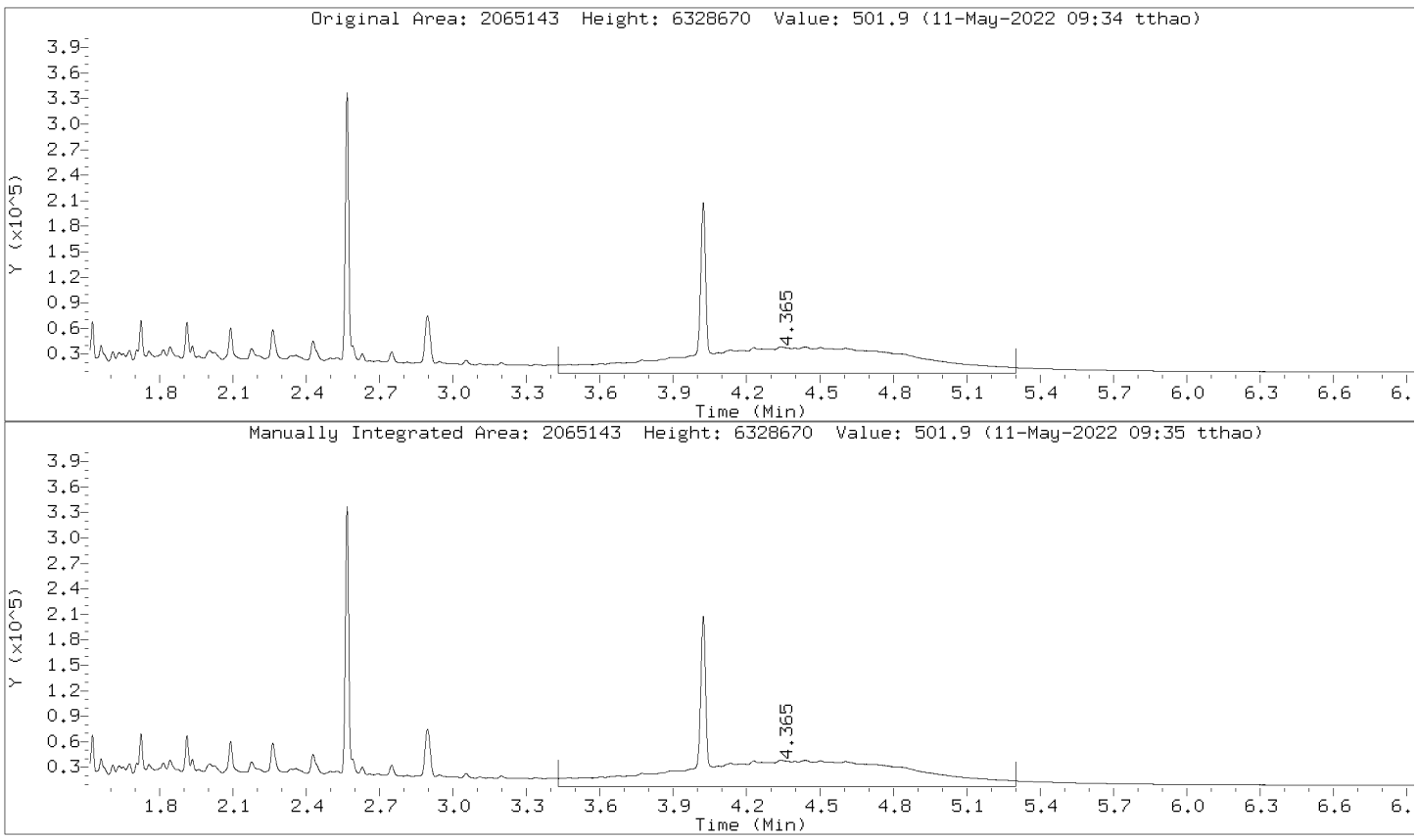
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000115.D
Injection Date: 11-MAY-2022 08:33
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



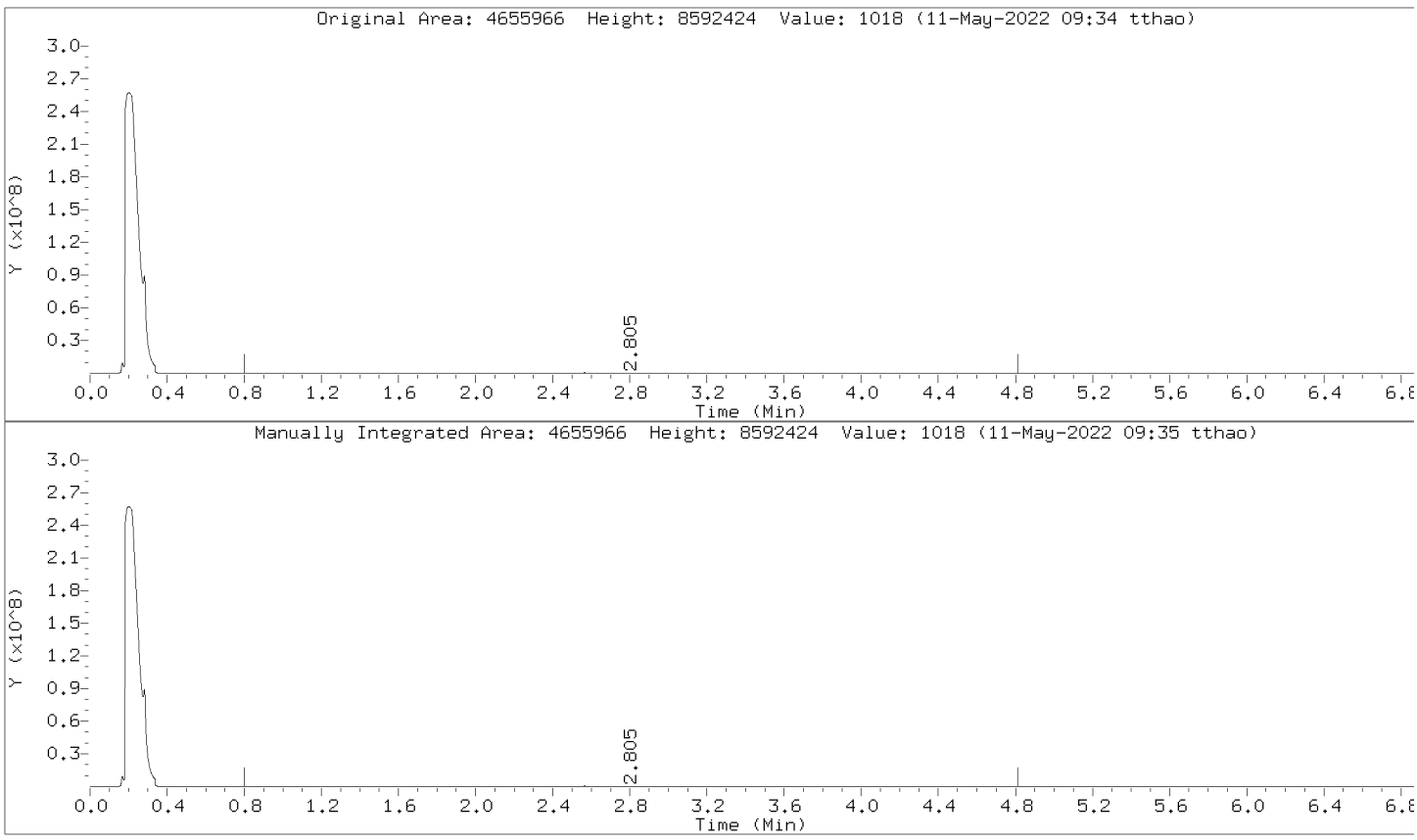
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000115.D
Injection Date: 11-MAY-2022 08:33
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



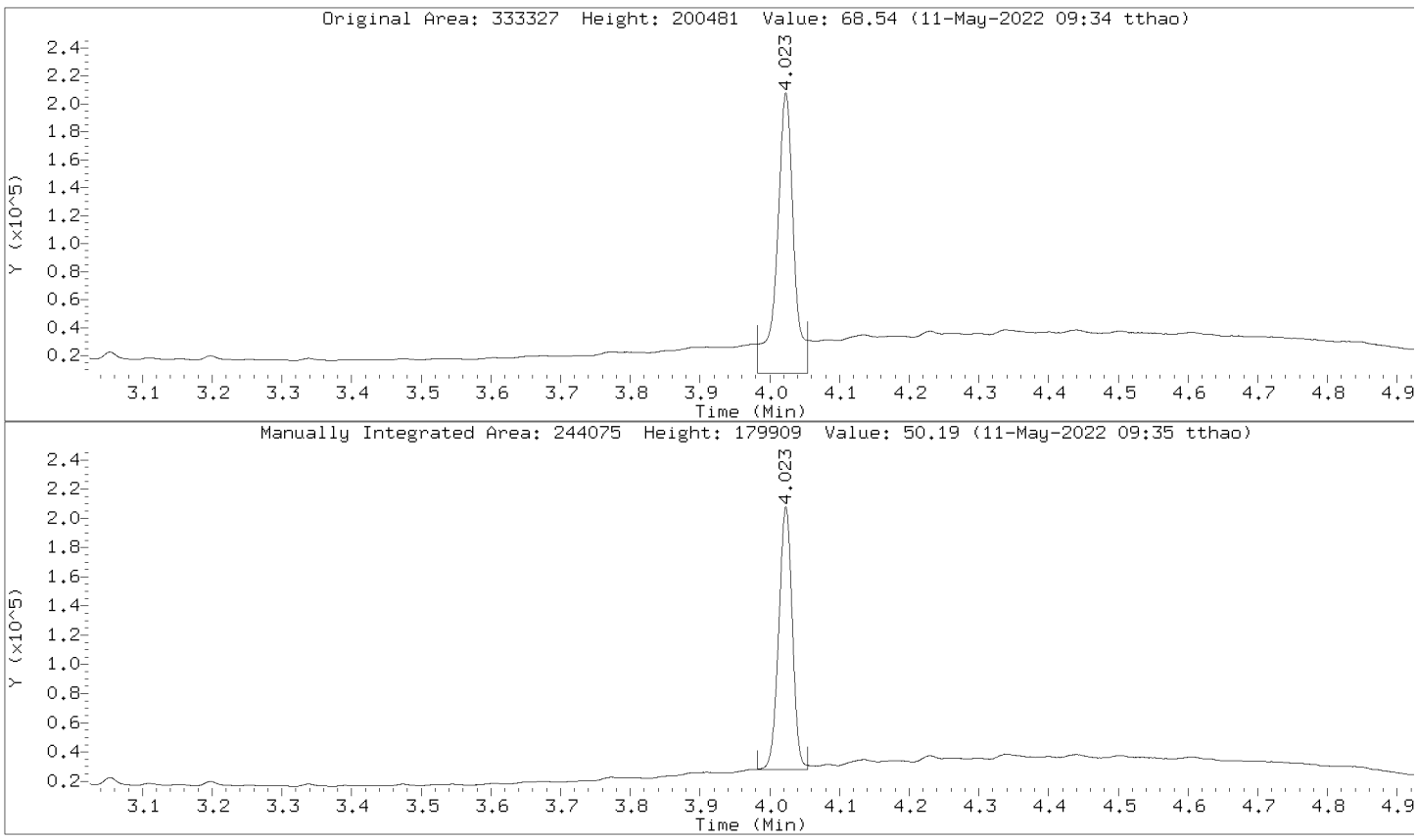
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000115.D
Injection Date: 11-MAY-2022 08:33
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: C10-C36 Review Code: RNG
CAS Number:



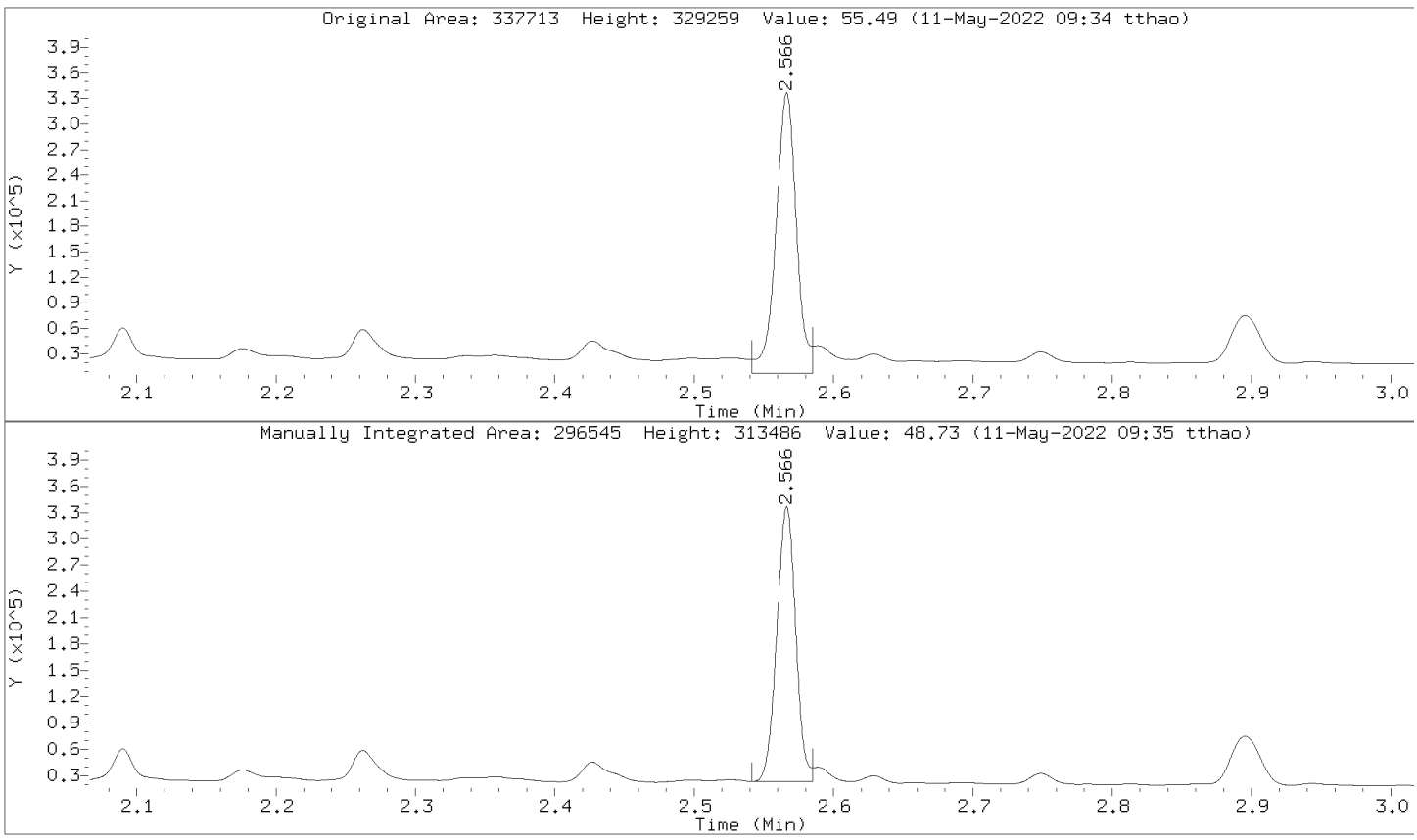
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000115.D
Injection Date: 11-MAY-2022 08:33
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000115.D
Injection Date: 11-MAY-2022 08:33
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1718860	1718860
DRO by AK 102	2937106	2937106
TPH-DRO (C10-C28)	3361382	3361382
Motor Oil Range (C24-C36)	1797438	1797438
Diesel Fuel Range	2476072	2476072
Motor Oil Range	2065143	2065143
Diesel Fuel Range SG	2476072	2476072
Motor Oil Range SG	2065143	2065143
C10-C36	4655966	4655966
n-Triacontane (S)	333327	244075
o-Terphenyl (S)	337713	296545

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051022F.b\0510F0000135.D
Lab Smp Id: DMO-CCV,363721:2 Client Smp ID: DMO-CCV,363721:2
Inj Date : 11-MAY-2022 12:20
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-ccv,363721:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051022F.b\GCSFakNW8015-050922_3928
Meth Date : 11-May-2022 12:52 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10SVOA-TT

			AMOUNTS			
				CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE
S 1 DRO by AK 102					CAS #:	
0.800 - 3.380			2956429	500.000	514	(M) RNG
$ 2 o-Terphenyl (S)					CAS #:	
2.566	2.566	0.000	296566	50.0000	48.7	(M) BA
$ 3 n-Triacontane (S)					CAS #:	
4.024	4.024	0.000	243007	50.0000	50.0	(M) BA
S 4 Residual Range Organics AK103					CAS #:	
3.381 - 4.810			1744582	500.000	515	(M) RNG
S 5 TPH-DRO (C10-C28)					CAS #:	
0.800 - 3.940			3390094	500.000	513	(M) RNG
S 6 Motor Oil Range (C24-C36)					CAS #:	
3.240 - 4.810			1824556	500.000	515	(M) RNG
S 7 C10-C36					CAS #:	
0.800 - 4.810			4701011	1000.00	1030	(M) RNG
S 8 Diesel Fuel Range					CAS #:	
1.240 - 3.430			2494349	500.000	515	(M) RNG
S 9 Diesel Fuel Range SG					CAS #:	
1.240 - 3.430			2494349	500.000	515	(M) RNG
S 10 Motor Oil Range					CAS #:	
3.431 - 5.300			2106993	500.000	512	(M) RNG
S 11 Motor Oil Range SG					CAS #:	
3.431 - 5.300			2106993	500.000	513	(M) RNG

QC Flag Legend

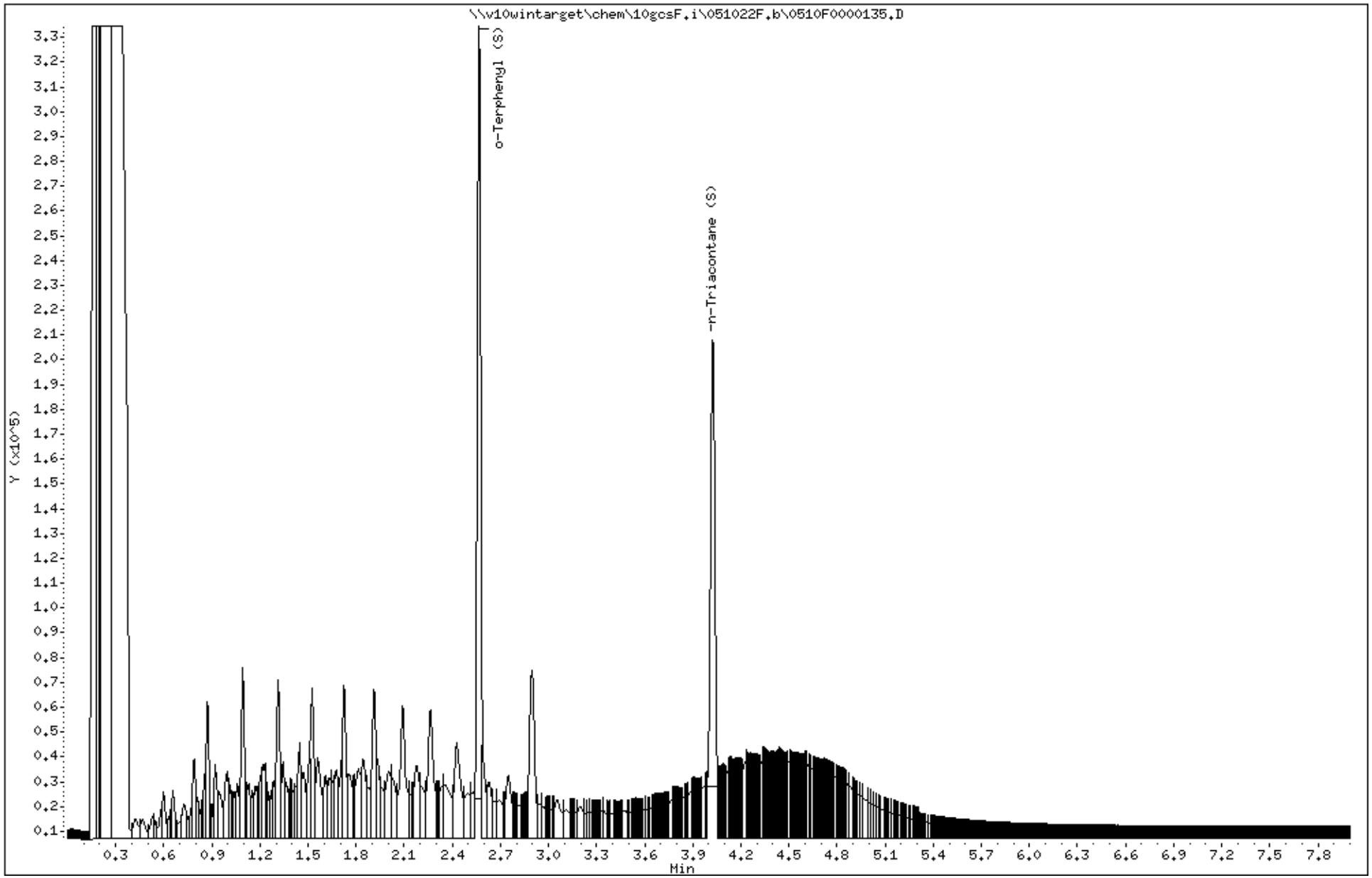
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

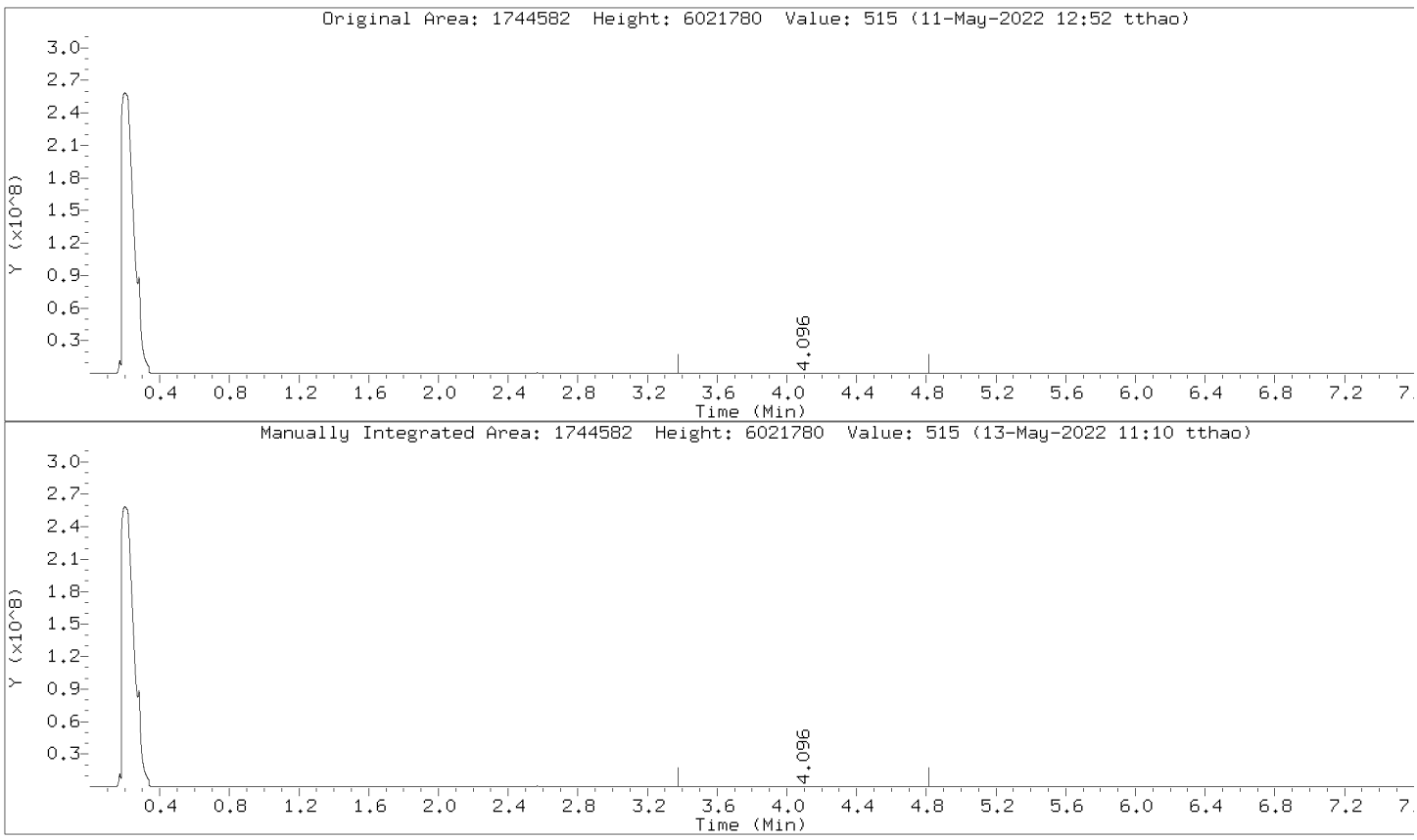
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b\0510F0000135.D
Date : 11-MAY-2022 12:20
Client ID: DMO-CCV,363721:2
Sample Info: DMO-CCV,363721:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



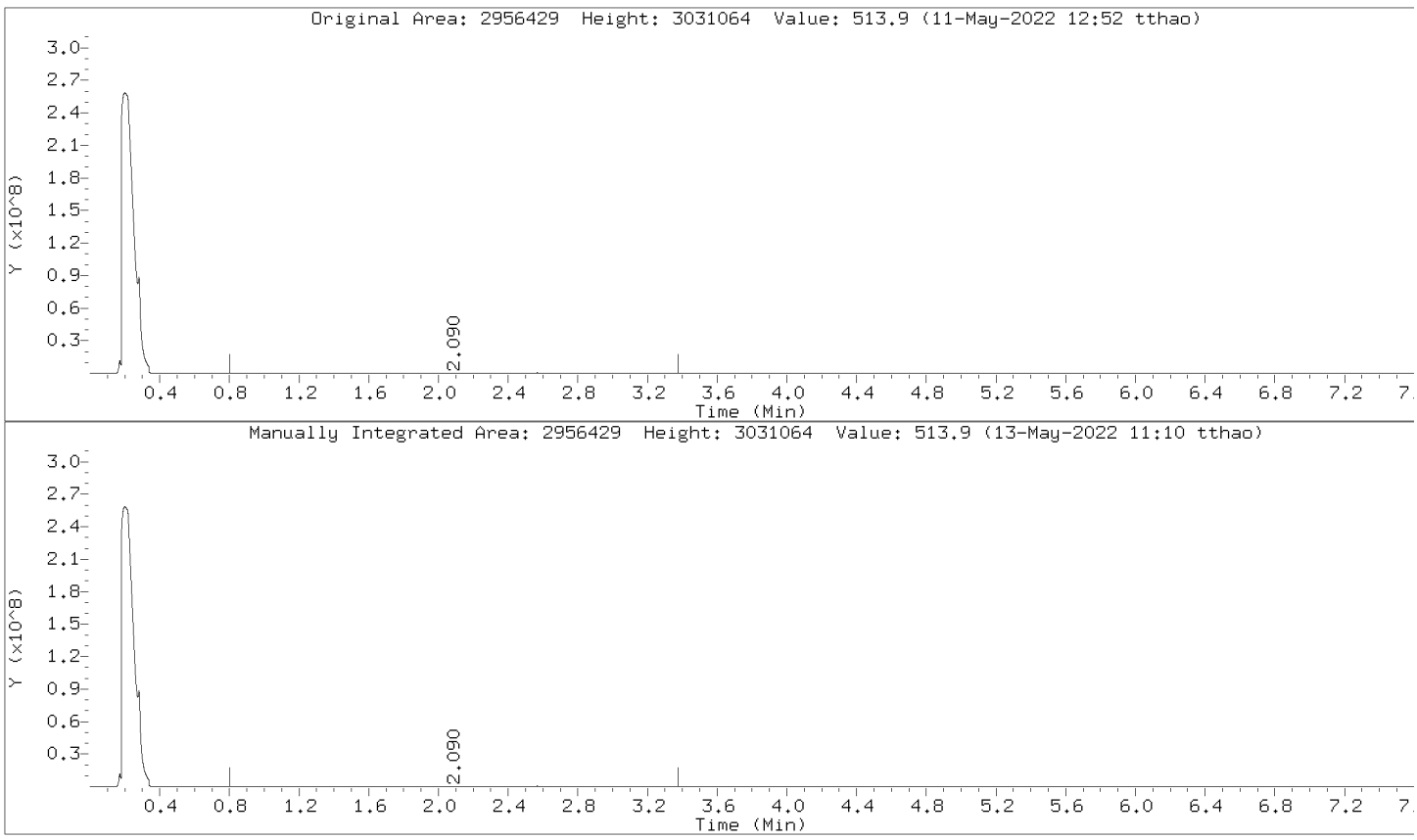
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000135.D
Injection Date: 11-MAY-2022 12:20
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



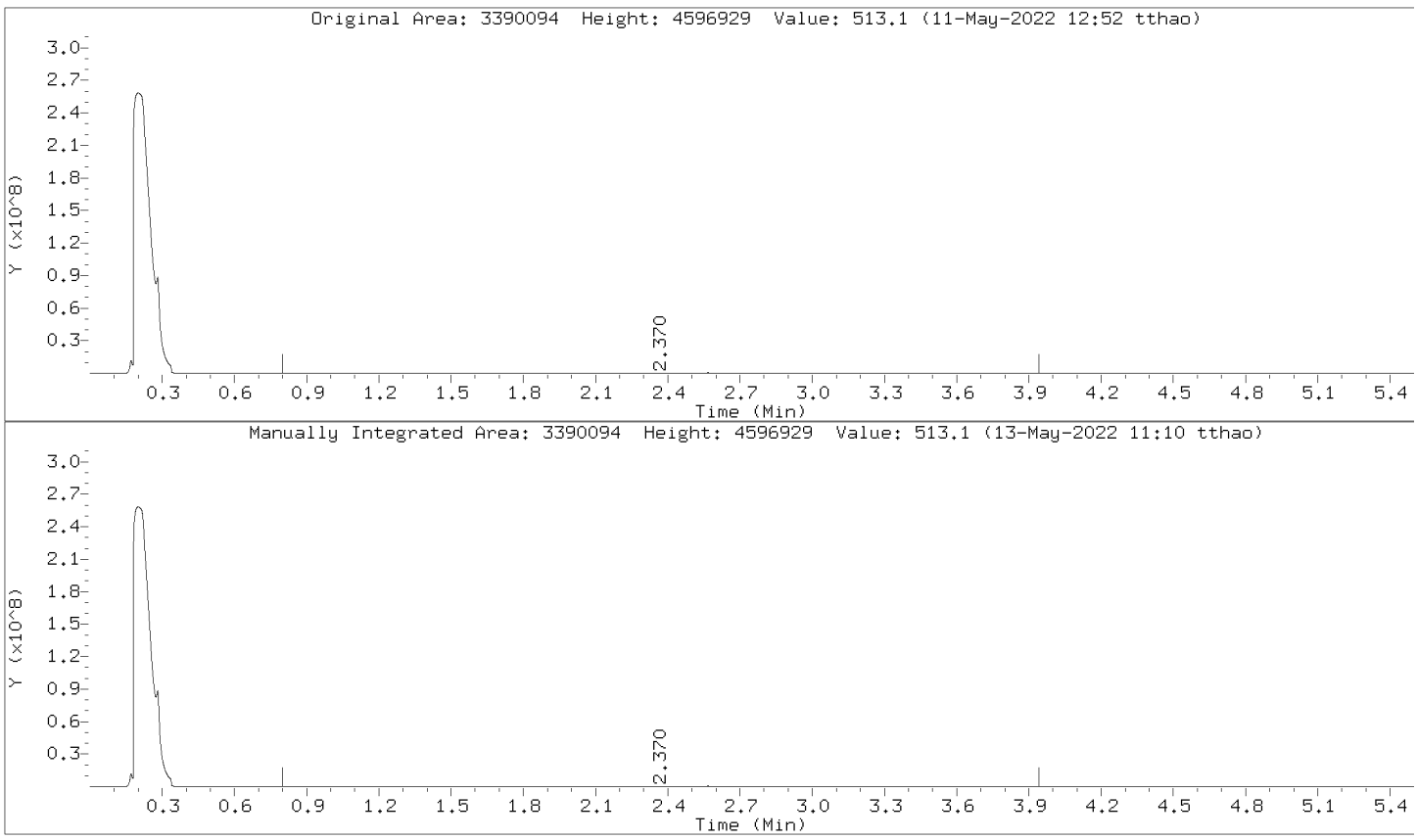
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000135.D
Injection Date: 11-MAY-2022 12:20
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



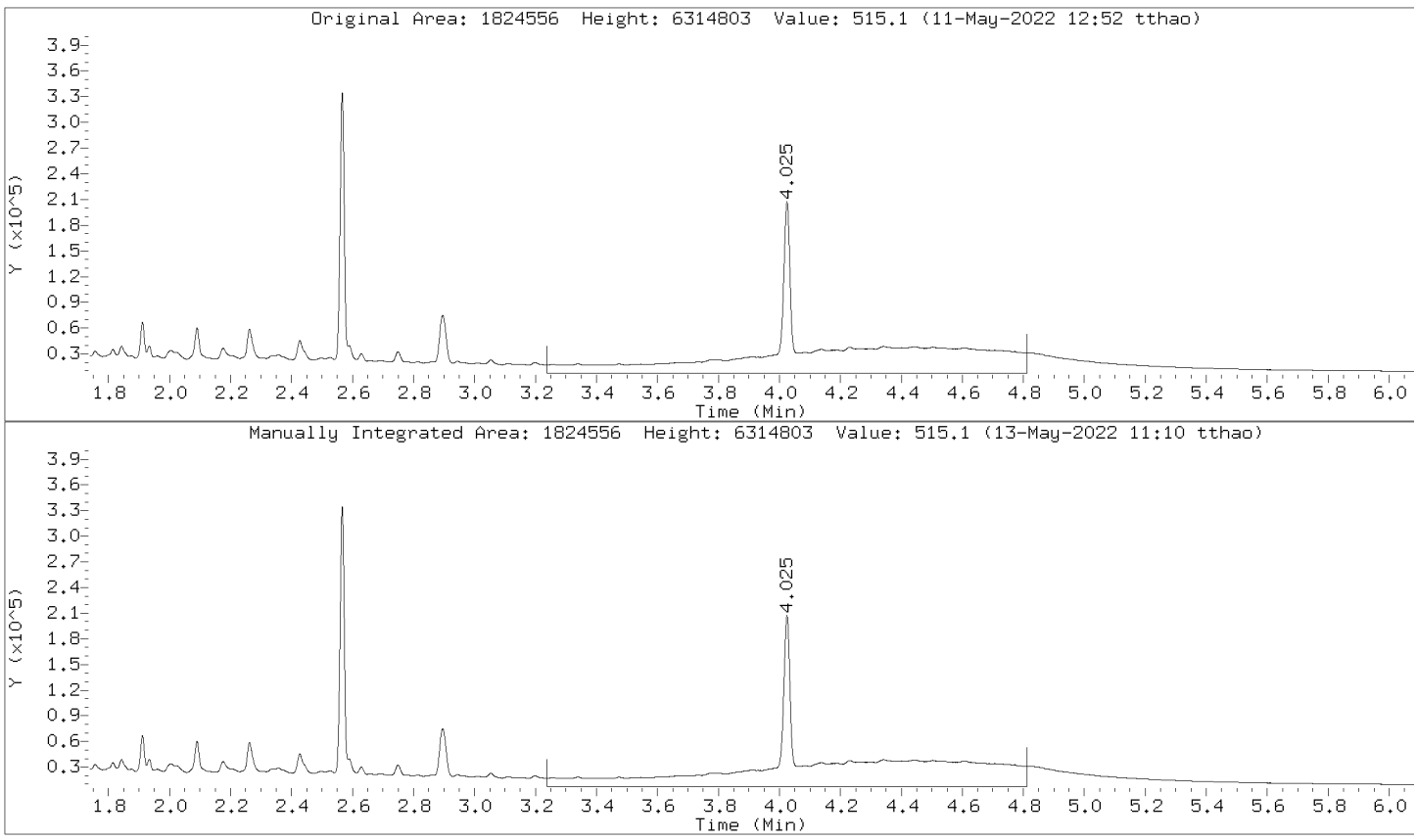
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000135.D
Injection Date: 11-MAY-2022 12:20
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000135.D
Injection Date: 11-MAY-2022 12:20
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



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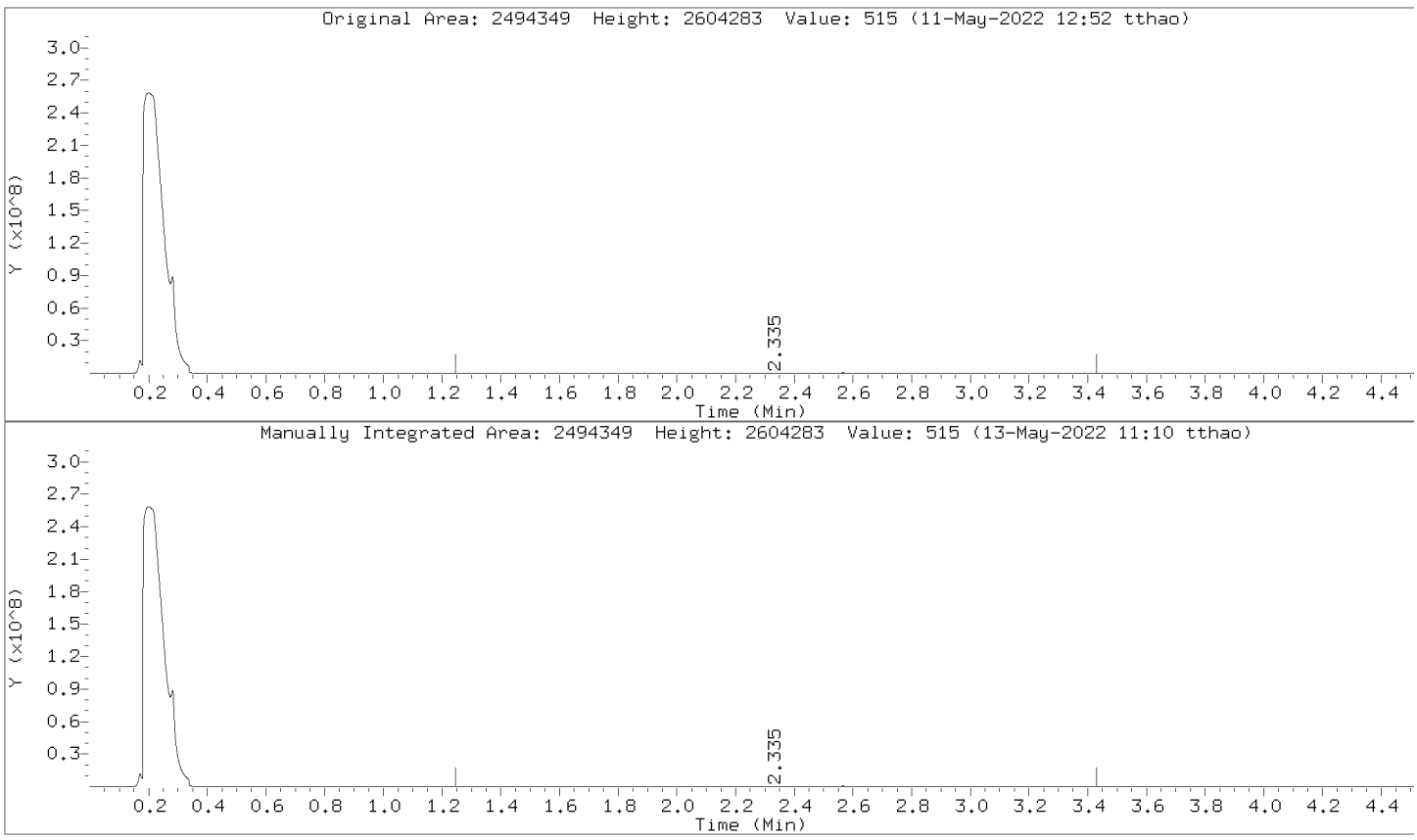
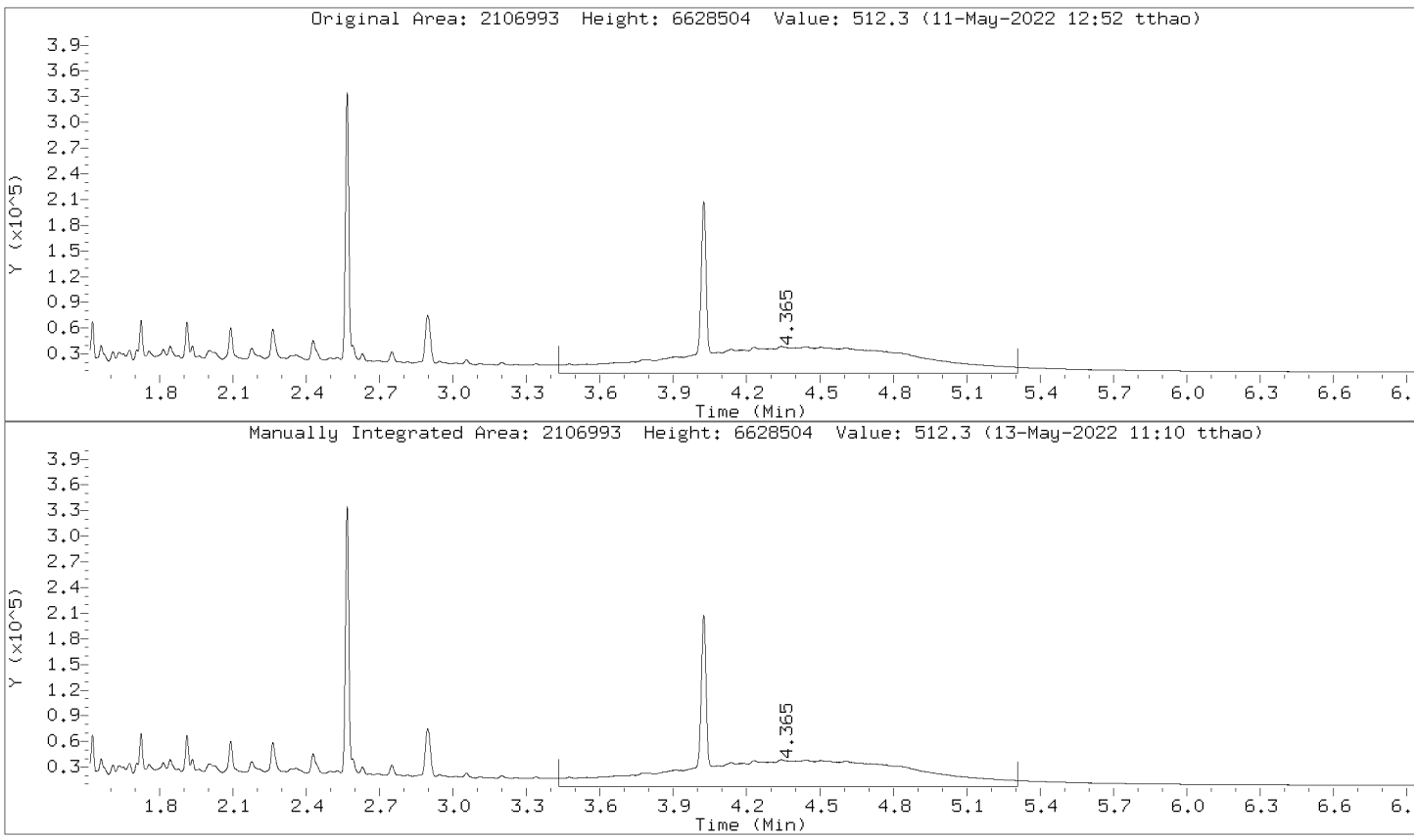
Injection Date: 11-MAY-2022 12:20
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



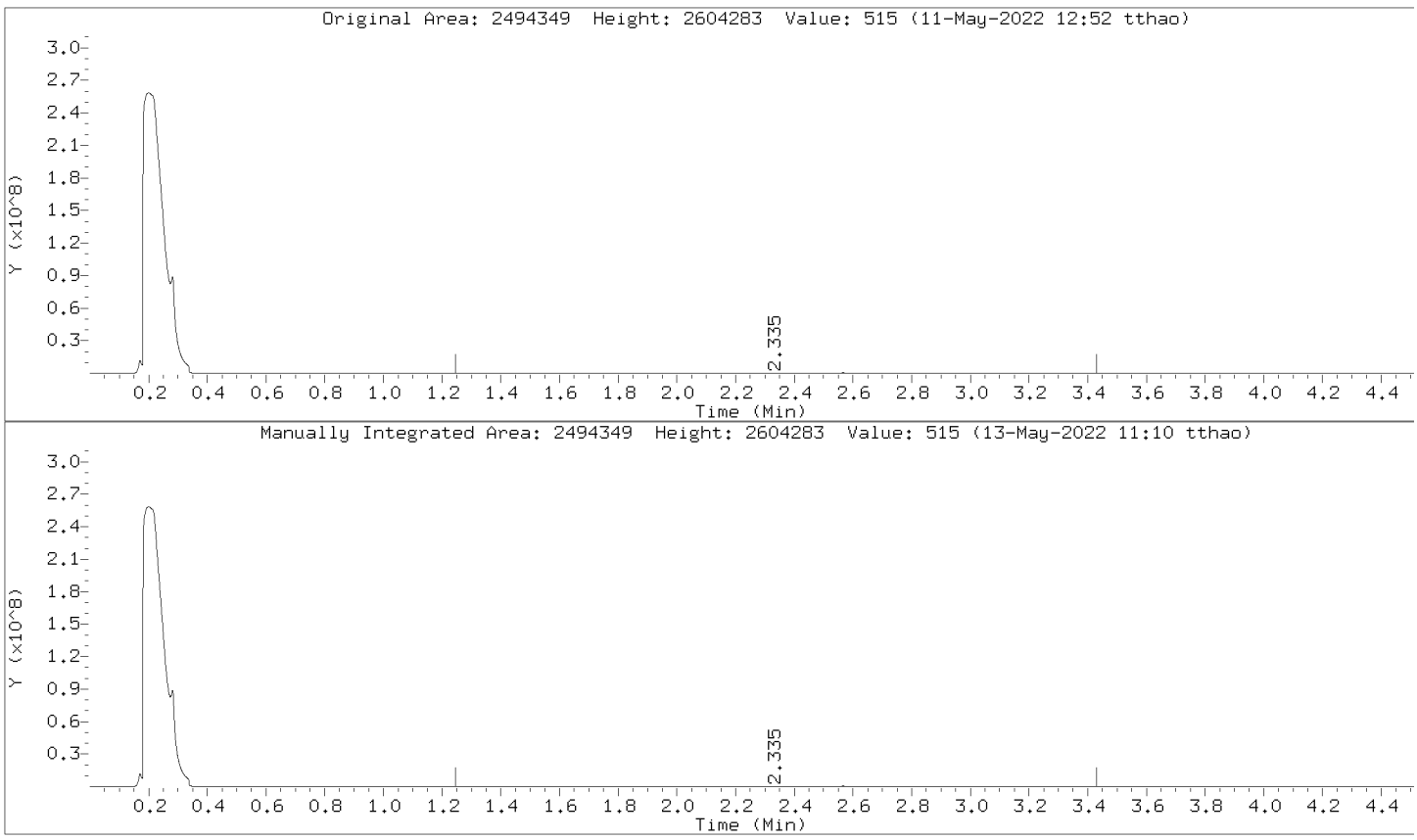
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000135.D
Injection Date: 11-MAY-2022 12:20
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



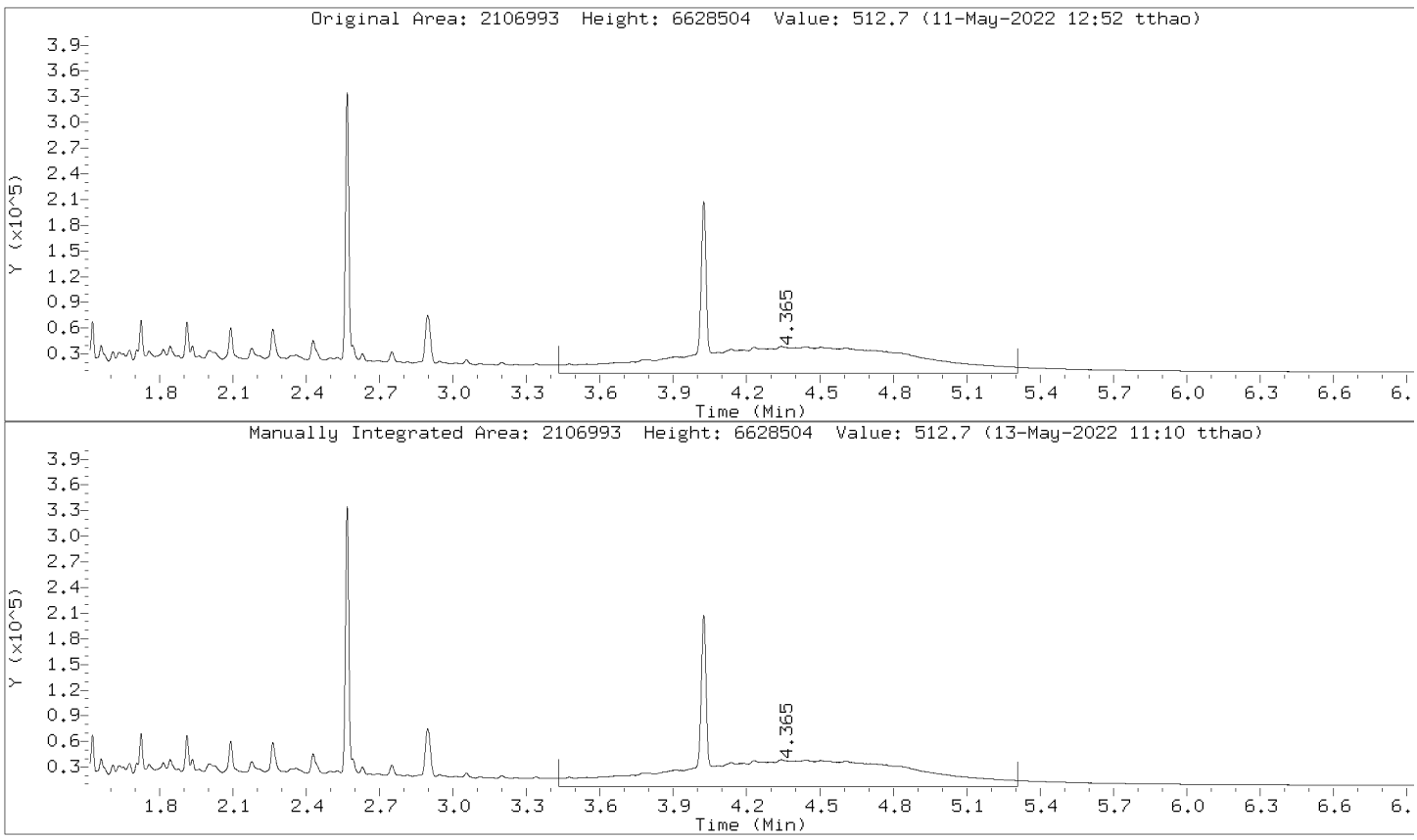
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000135.D
Injection Date: 11-MAY-2022 12:20
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



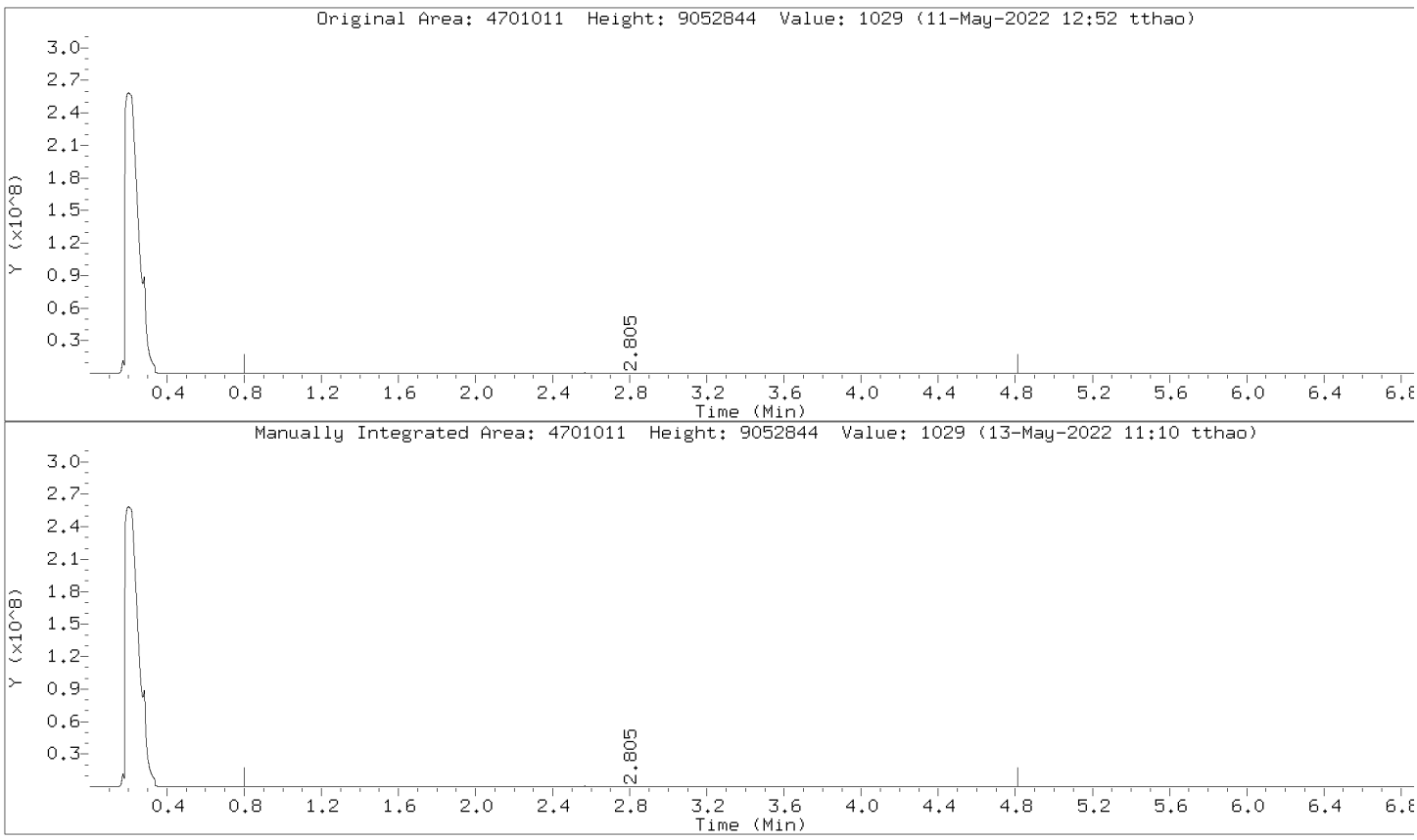
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000135.D
Injection Date: 11-MAY-2022 12:20
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



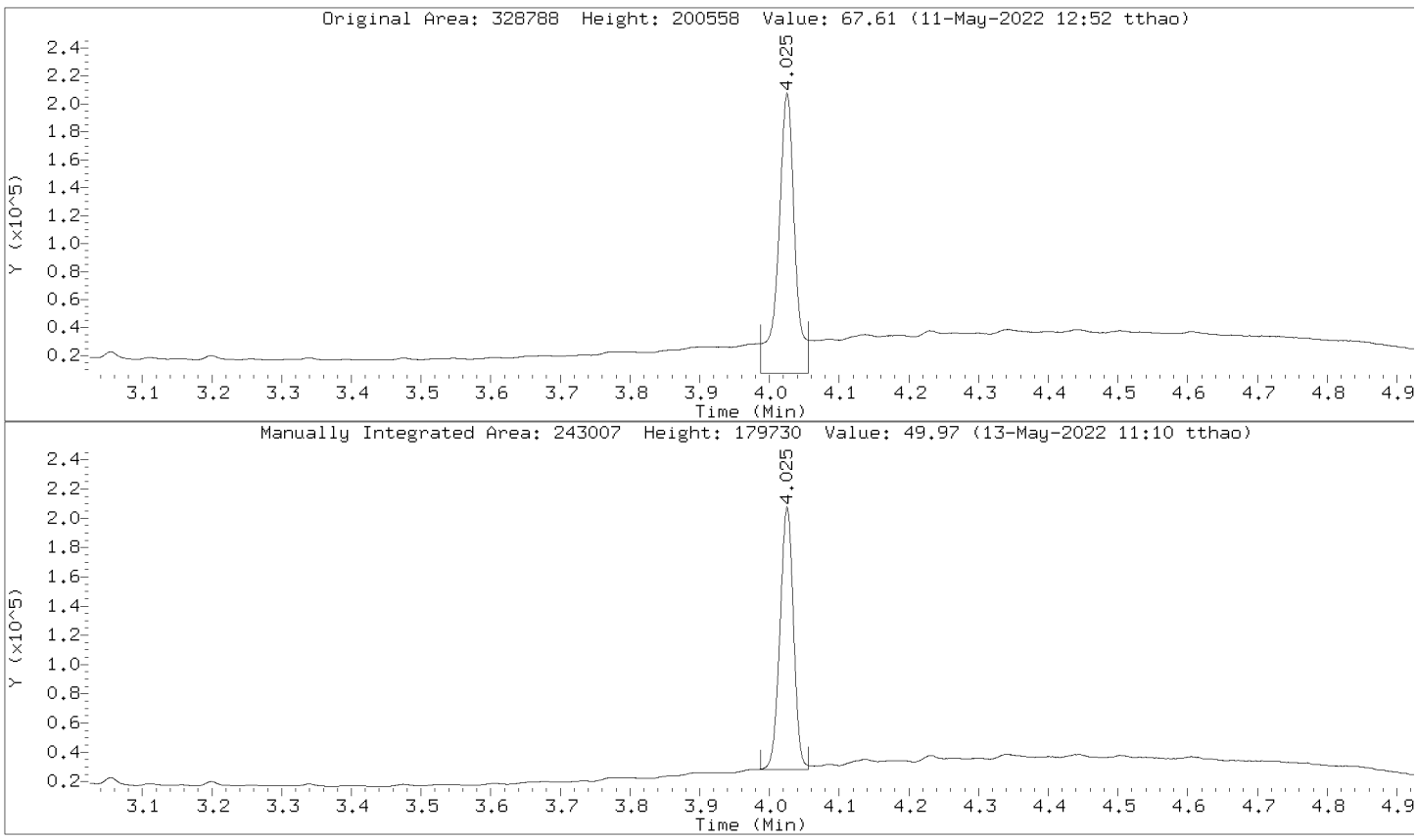
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000135.D
Injection Date: 11-MAY-2022 12:20
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: C10-C36 Review Code: RNG
CAS Number:



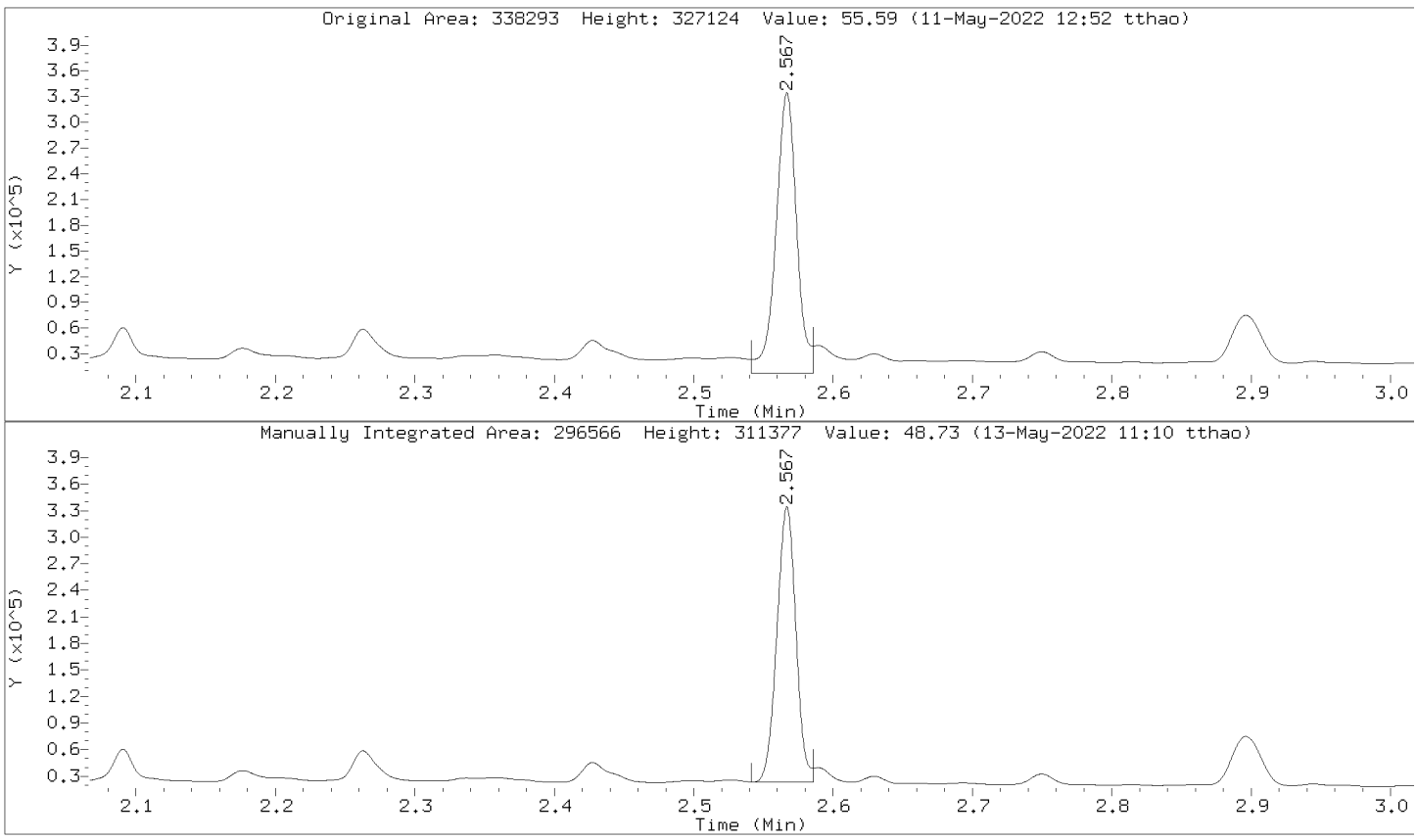
Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000135.D
Injection Date: 11-MAY-2022 12:20
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051022F.b/0510F0000135.D
Injection Date: 11-MAY-2022 12:20
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1744582	1744582
DRO by AK 102	2956429	2956429
TPH-DRO (C10-C28)	3390094	3390094
Motor Oil Range (C24-C36)	1824556	1824556
Diesel Fuel Range	2494349	2494349
Motor Oil Range	2106993	2106993
Diesel Fuel Range SG	2494349	2494349
Motor Oil Range SG	2106993	2106993
C10-C36	4701011	4701011
n-Triacontane (S)	328788	243007
o-Terphenyl (S)	338293	296566

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000004.D
Lab Smp Id: DMO-CCV,363721:2 Client Smp ID: DMO-CCV,363721:2
Inj Date : 11-MAY-2022 13:56
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-ccv,363721:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 11-May-2022 15:29 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

			AMOUNTS			
				CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE
S 1 DRO by AK 102					CAS #:	
0.800	- 3.385		2986945	500.000	520	(M) RNG
$ 2 o-Terphenyl (S)					CAS #:	
2.567	2.566	0.001	299165	50.0000	49.2	(M) BA
$ 3 n-Triacontane (S)					CAS #:	
4.025	4.025	0.000	244251	50.0000	50.2	(M) BA
S 4 Residual Range Organics AK103					CAS #:	
3.386	- 4.800		1686041	500.000	497	(M) RNG
S 5 TPH-DRO (C10-C28)					CAS #:	
0.800	- 3.940		3415073	500.000	517	(M) RNG
S 6 Motor Oil Range (C24-C36)					CAS #:	
3.250	- 4.800		1765256	500.000	497	(M) RNG
S 7 C10-C36					CAS #:	
0.800	- 4.800		4672986	1000.00	1020	(M) RNG
S 8 Diesel Fuel Range					CAS #:	
1.240	- 3.440		2523638	500.000	522	(M) RNG
S 9 Diesel Fuel Range SG					CAS #:	
1.240	- 3.440		2523638	500.000	522	(M) RNG
S 10 Motor Oil Range					CAS #:	
3.441	- 5.260		1984474	500.000	481	(M) RNG
S 11 Motor Oil Range SG					CAS #:	
3.441	- 5.260		1984474	500.000	481	(M) RNG

QC Flag Legend

M - Compound response manually integrated.

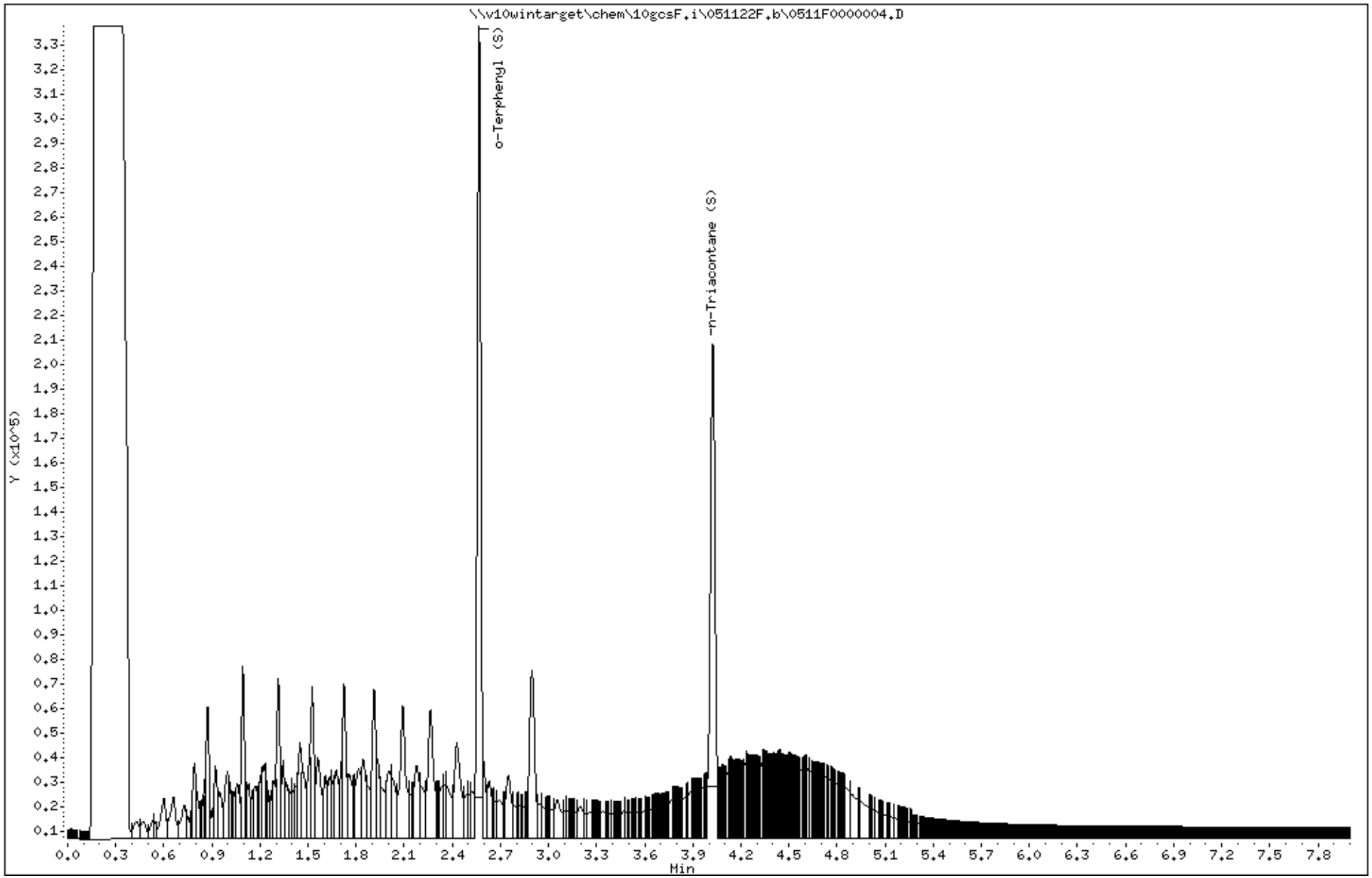
Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000004.D
Date : 11-MAY-2022 13:56
Client ID: DMO-CCV,363721:2
Sample Info: DMO-CCV,363721:2

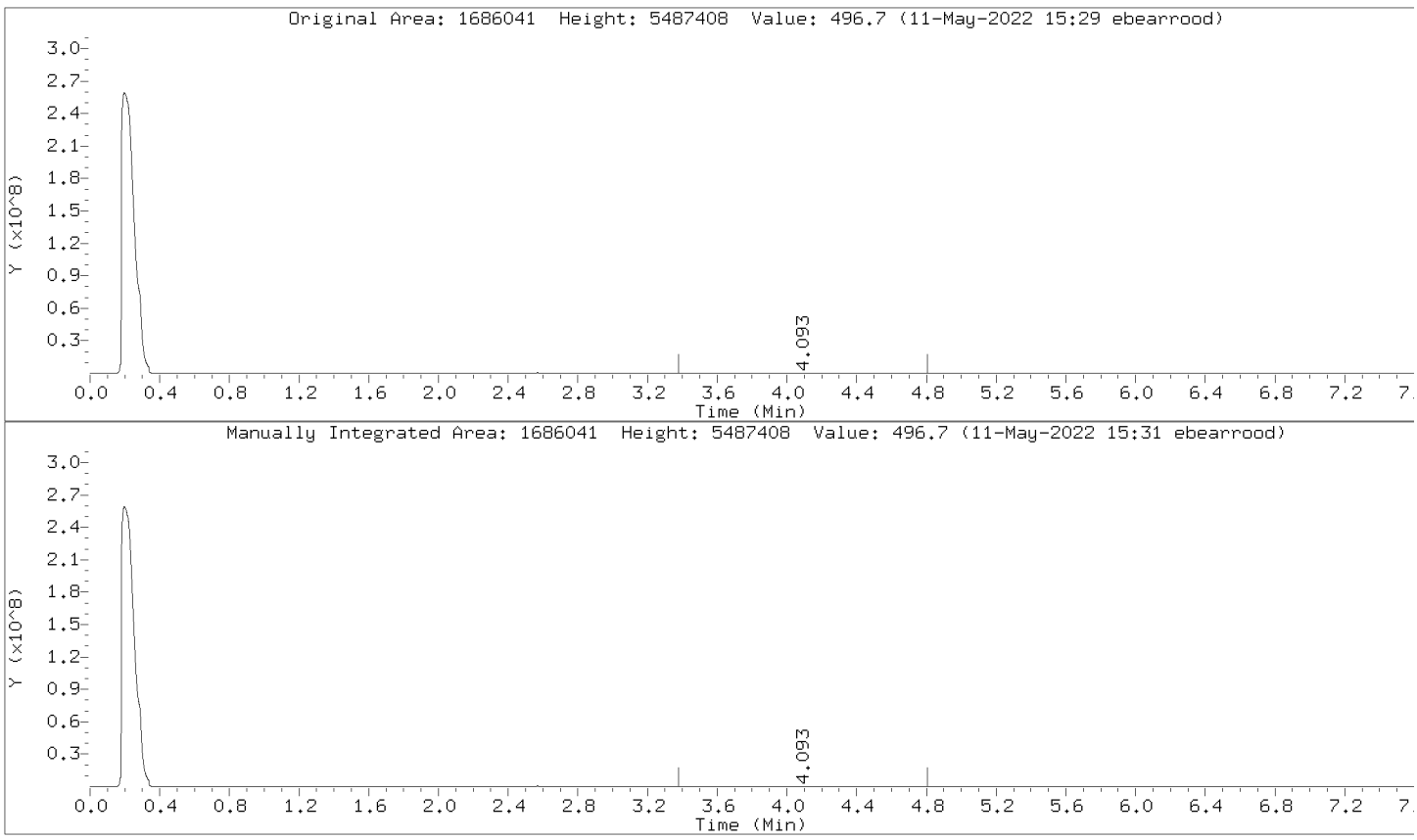
Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32

Column phase: DB-5-US21390001



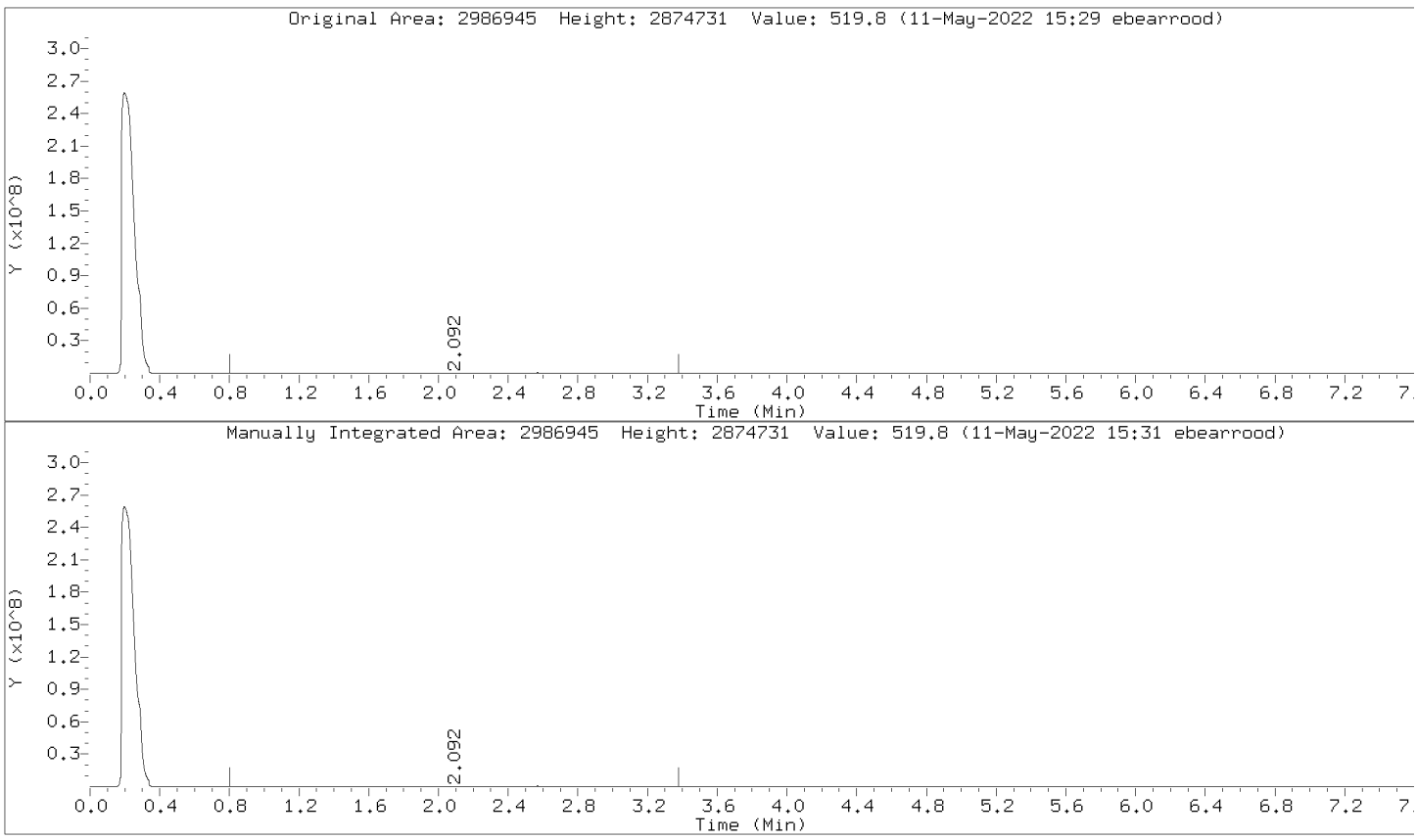
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000004.D
Injection Date: 11-MAY-2022 13:56
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



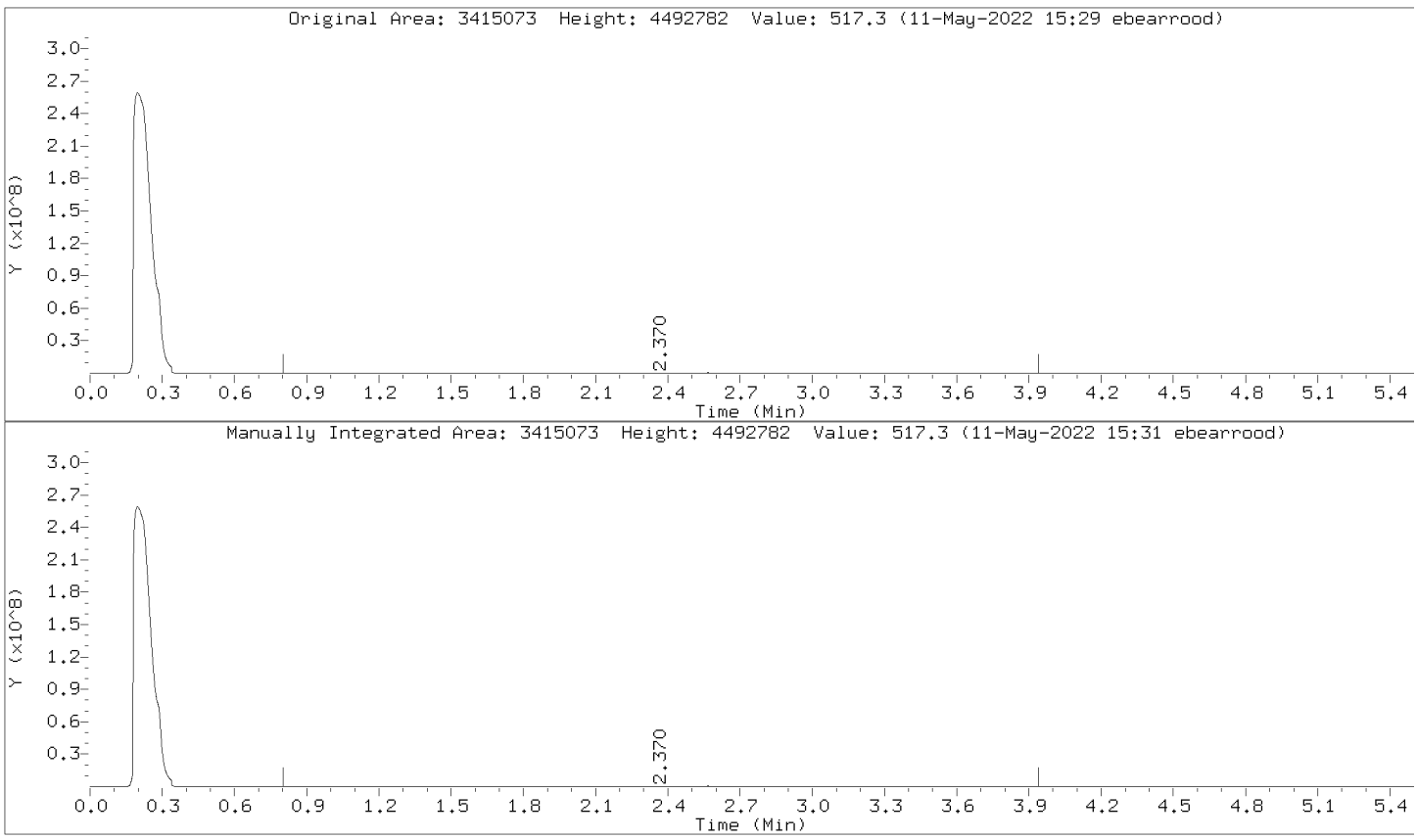
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000004.D
Injection Date: 11-MAY-2022 13:56
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



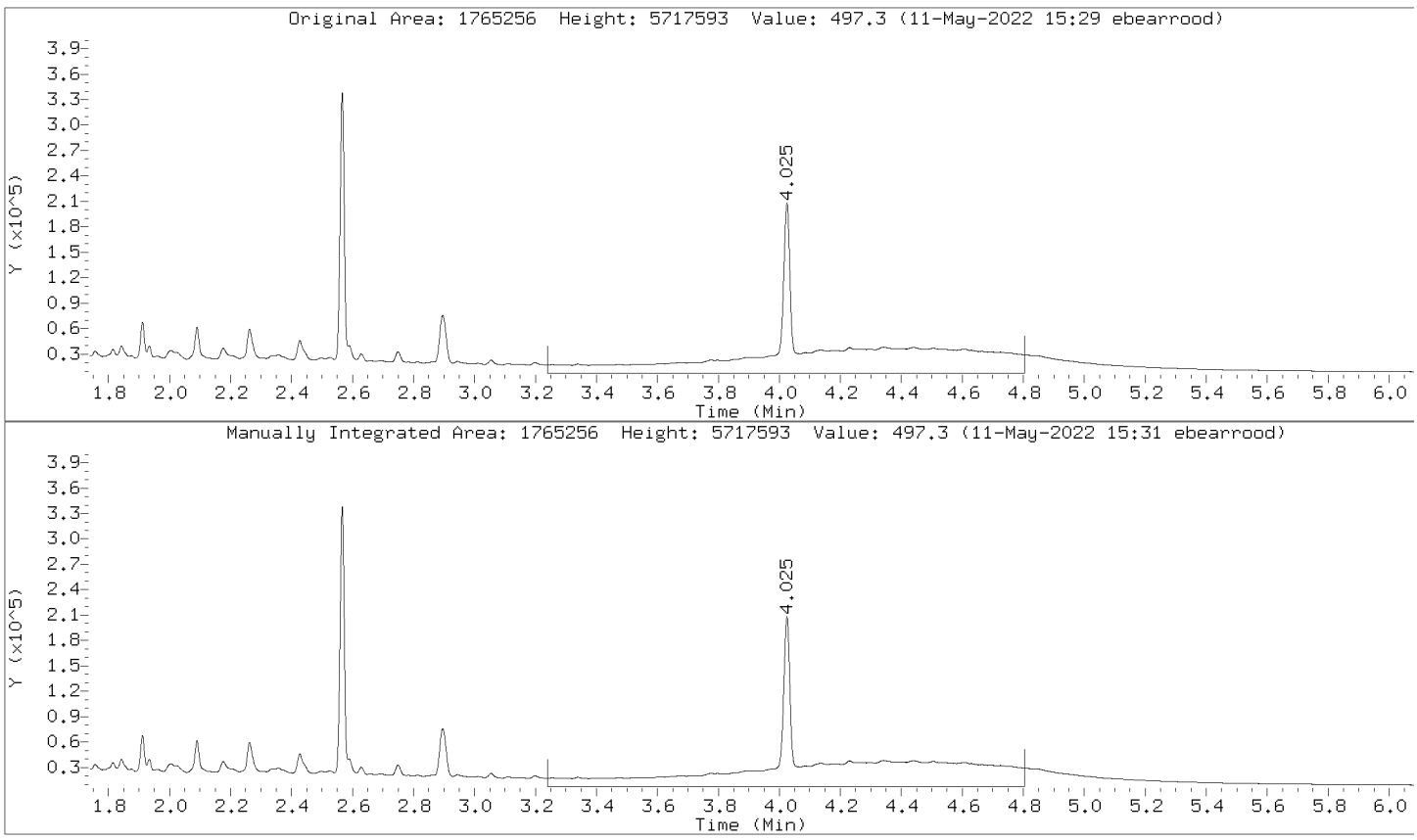
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000004.D
Injection Date: 11-MAY-2022 13:56
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



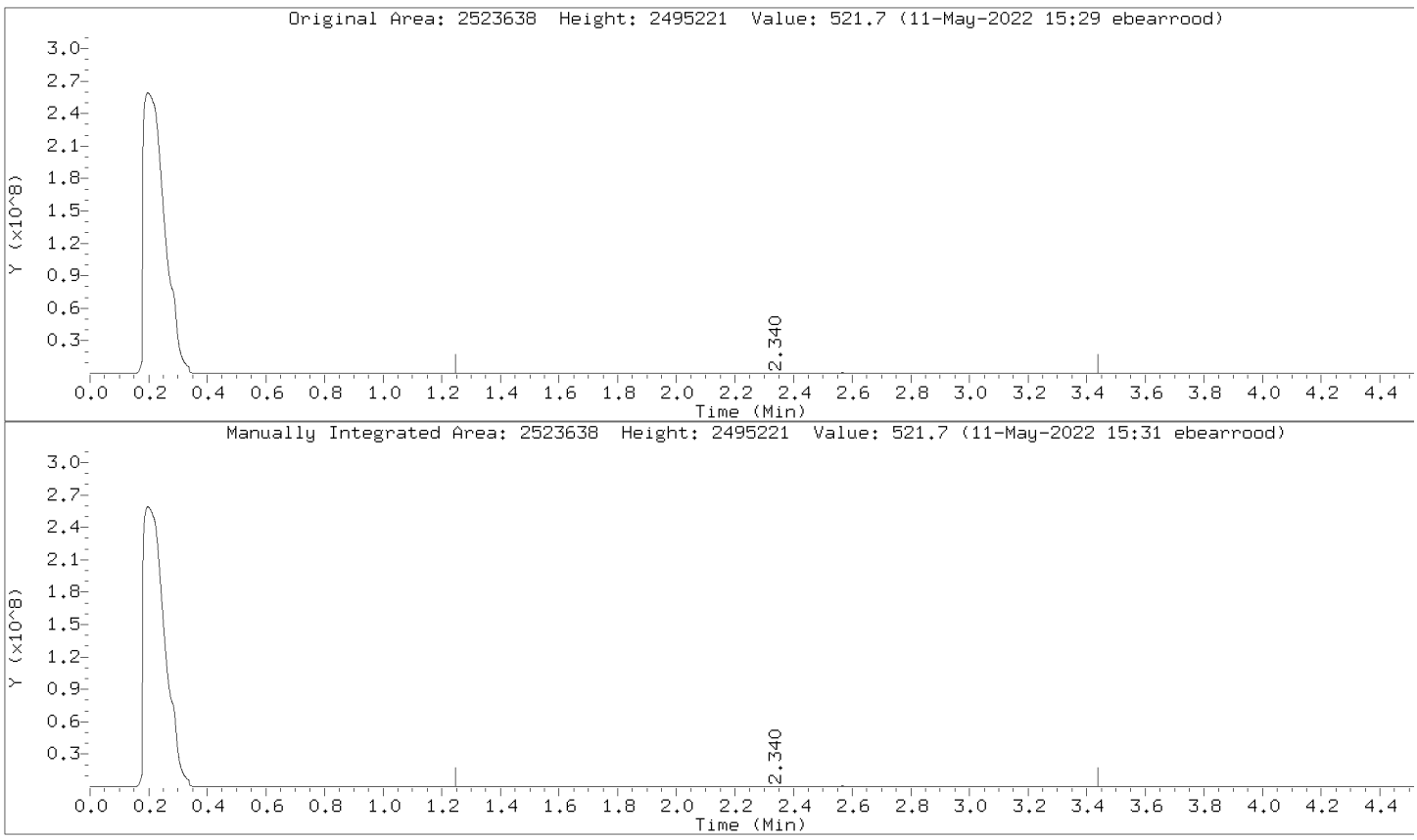
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000004.D
Injection Date: 11-MAY-2022 13:56
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



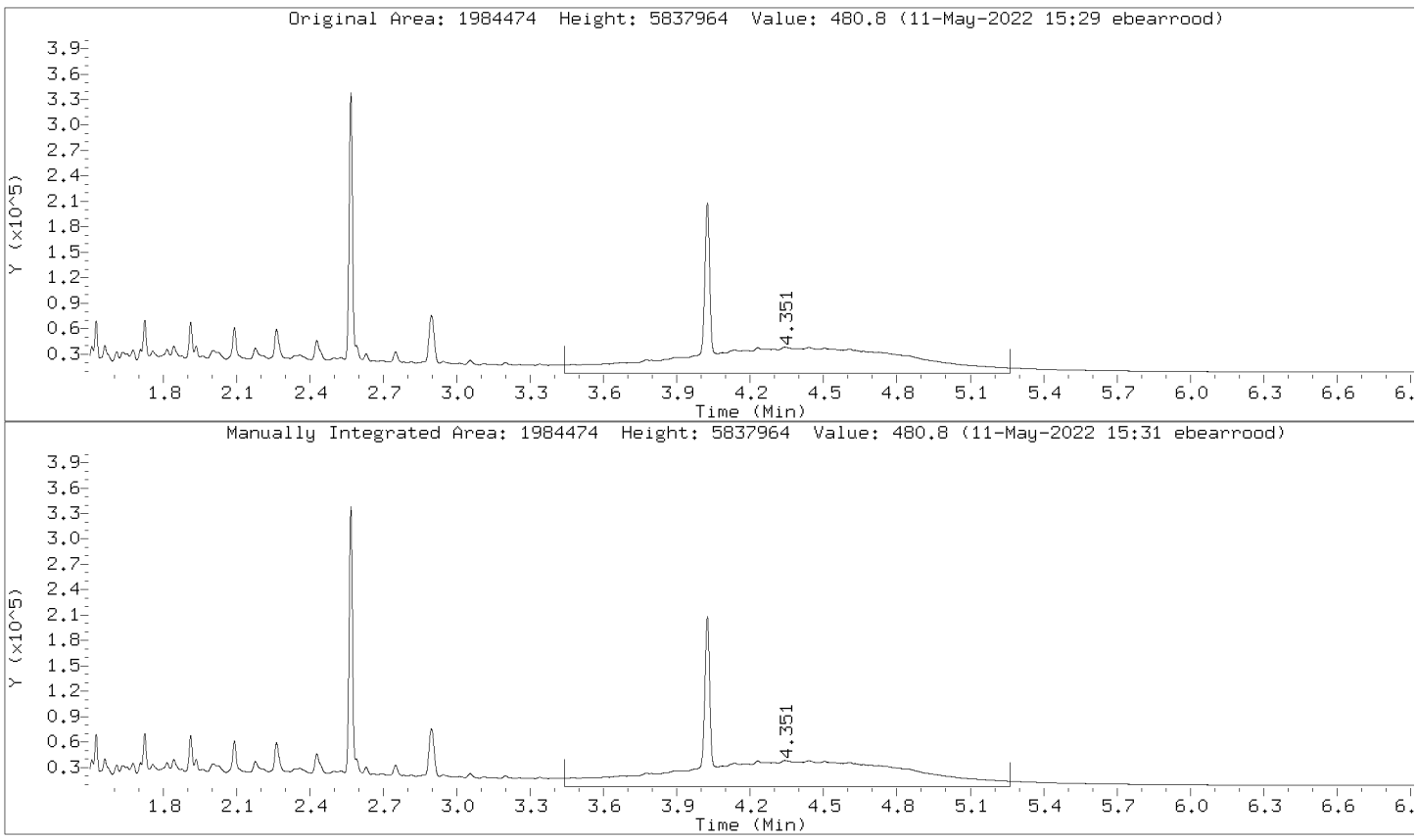
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000004.D
Injection Date: 11-MAY-2022 13:56
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



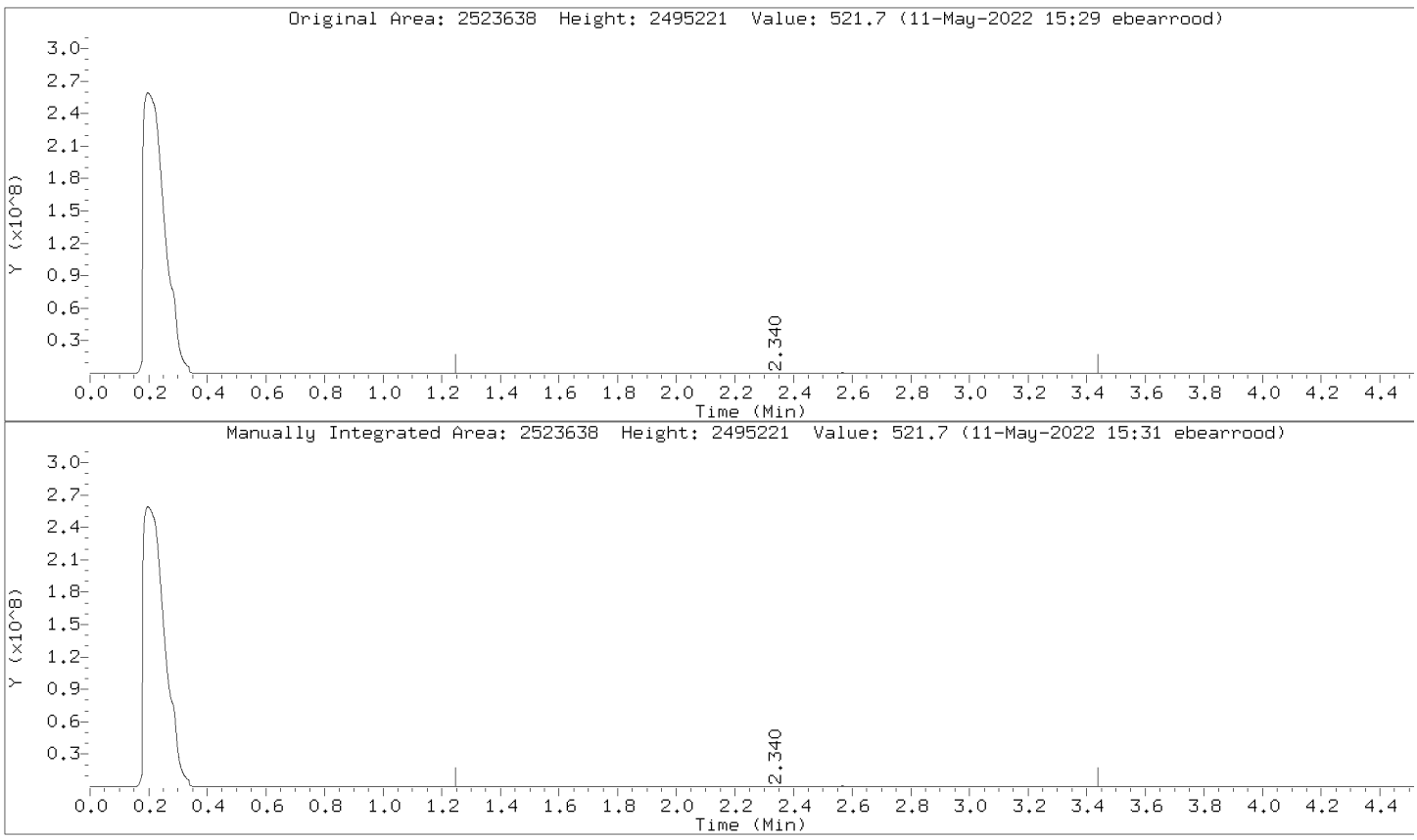
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000004.D
Injection Date: 11-MAY-2022 13:56
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



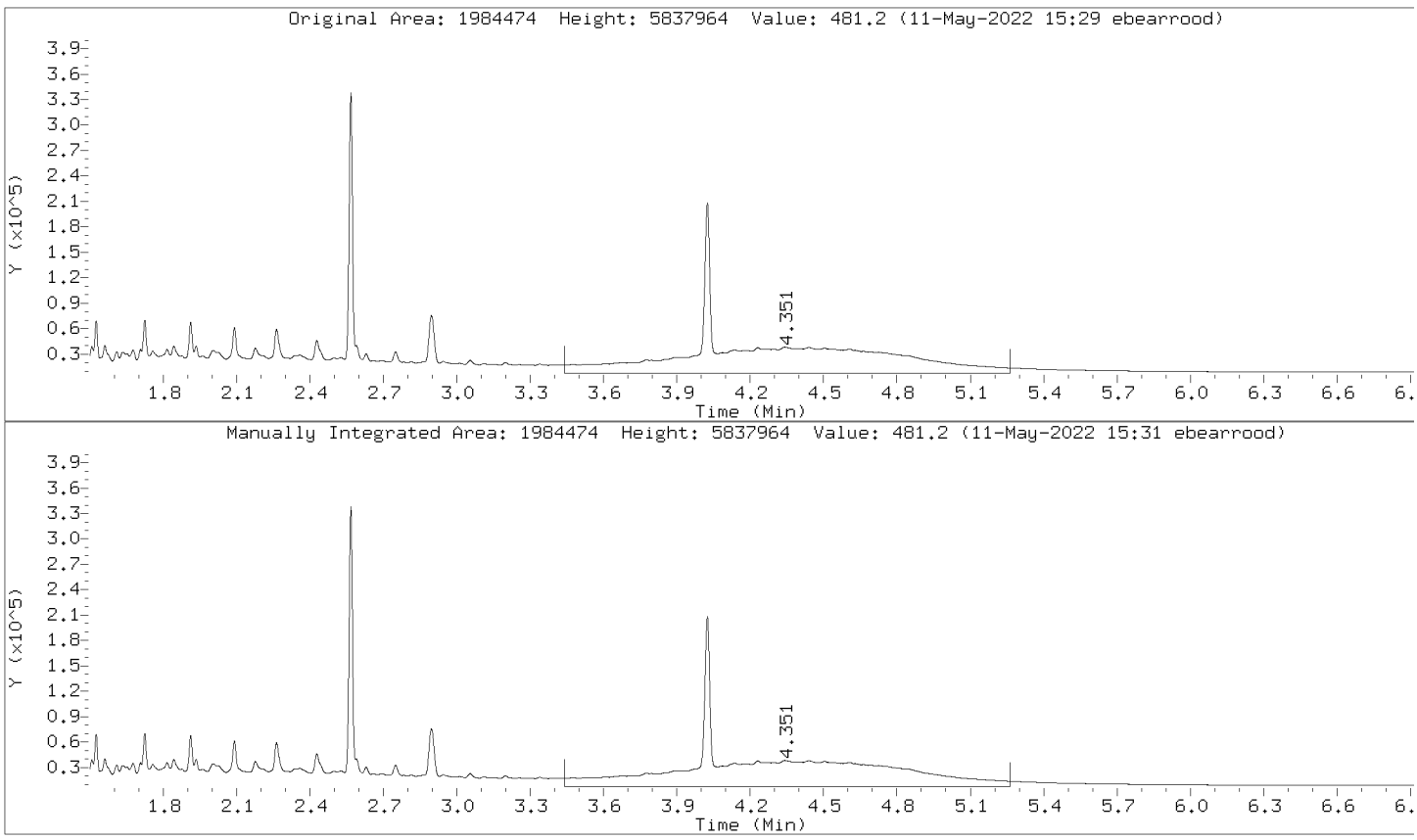
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000004.D
Injection Date: 11-MAY-2022 13:56
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



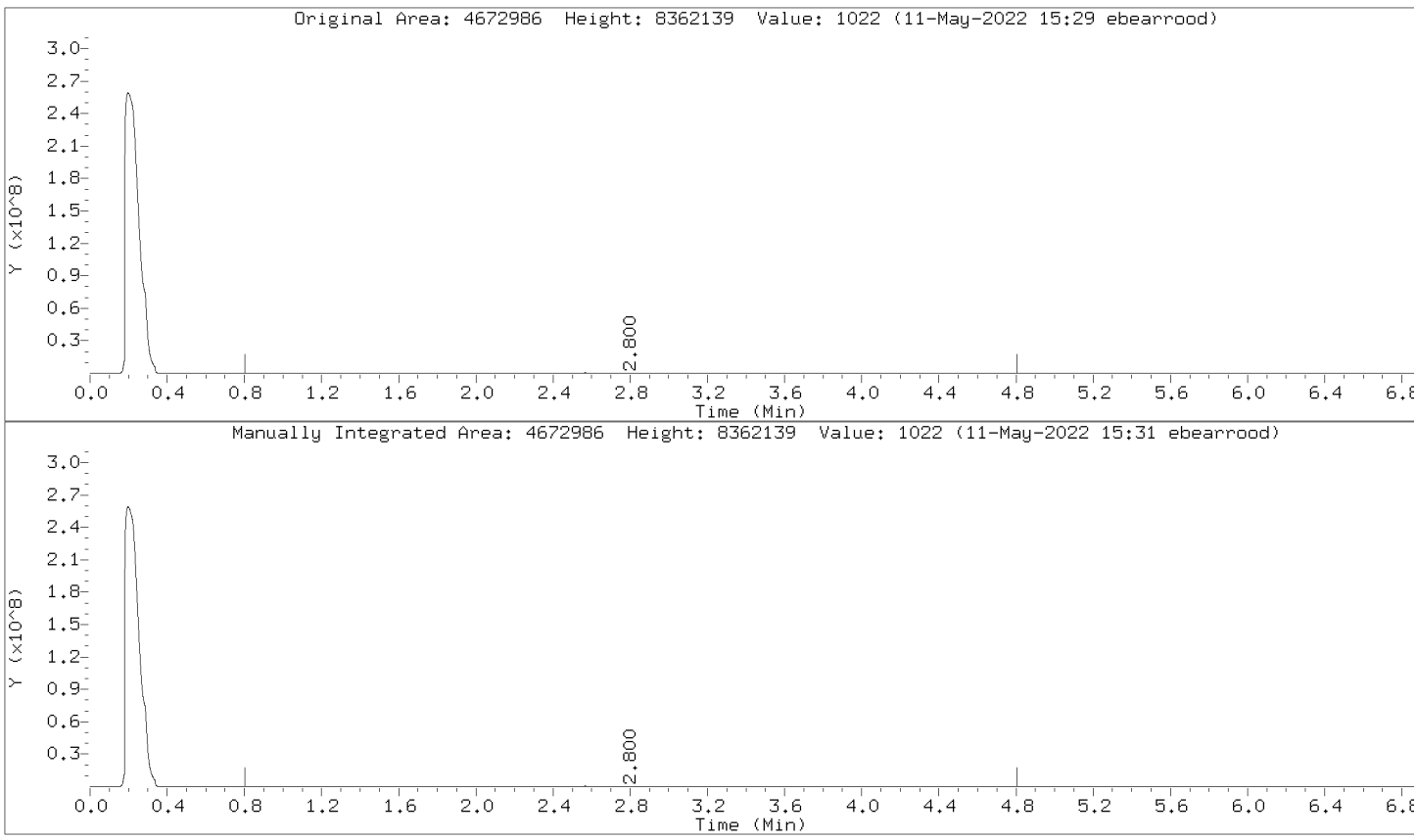
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000004.D
Injection Date: 11-MAY-2022 13:56
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



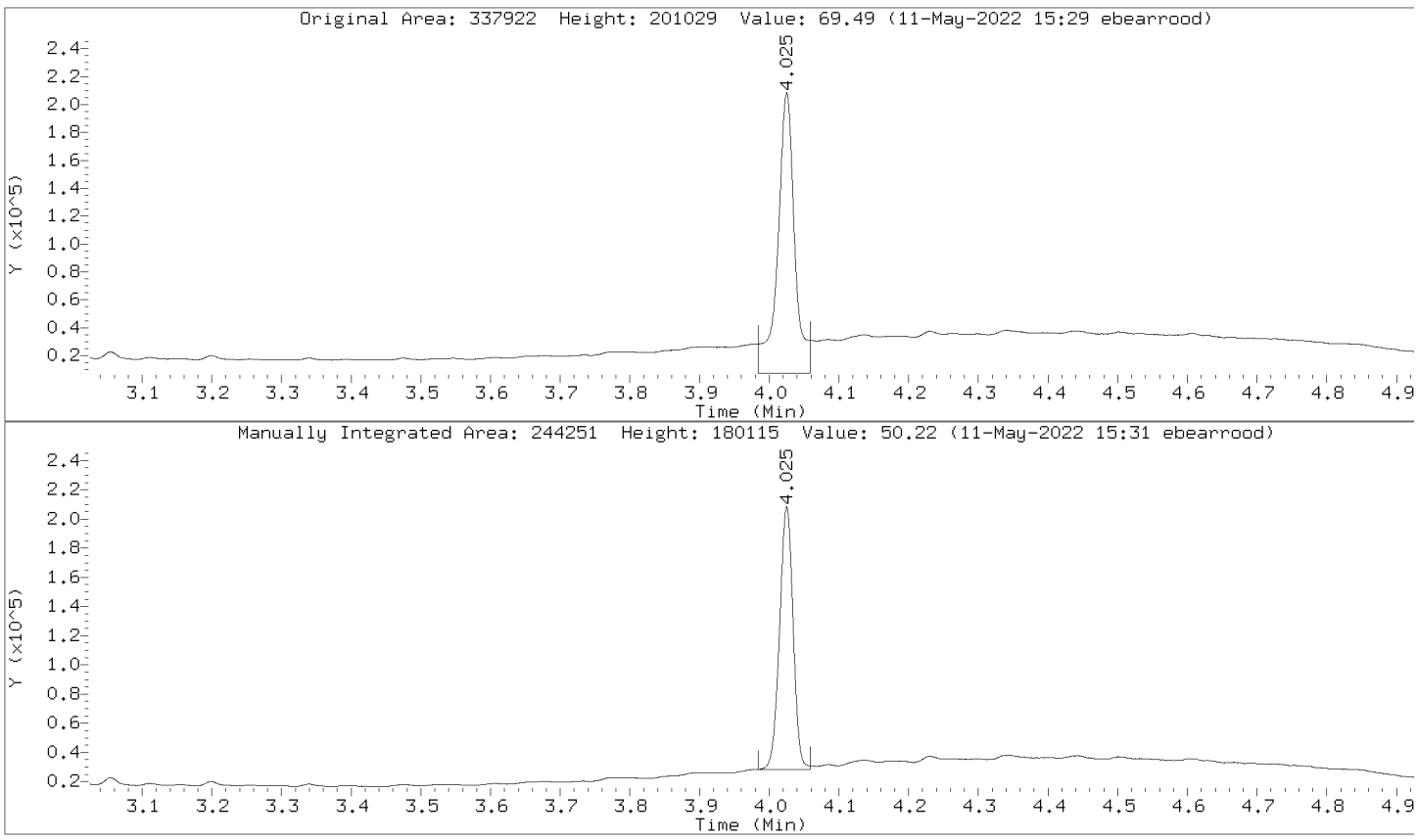
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000004.D
Injection Date: 11-MAY-2022 13:56
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: C10-C36 Review Code: RNG
CAS Number:



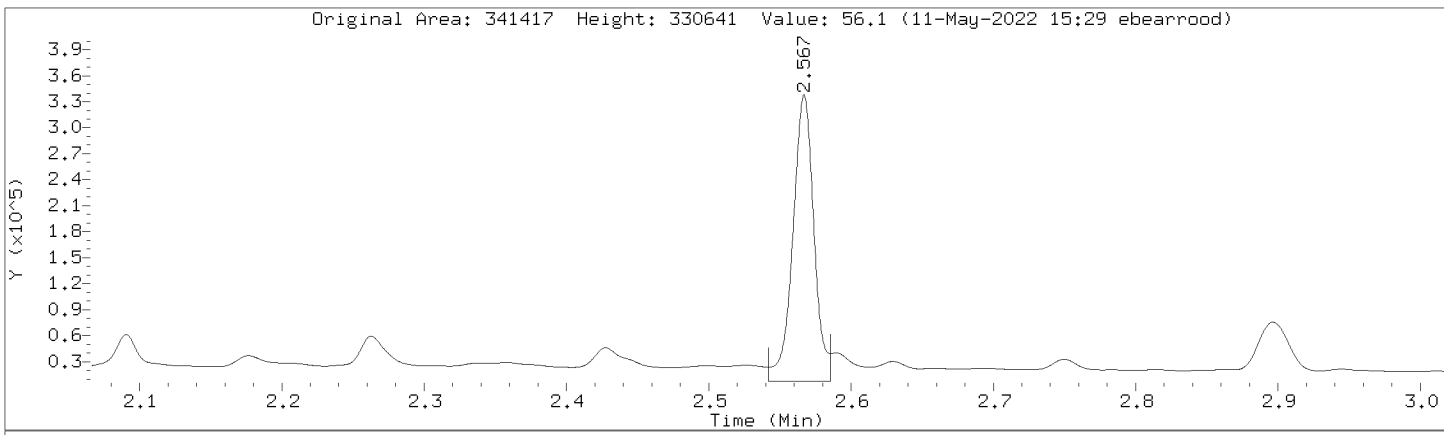
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000004.D
Injection Date: 11-MAY-2022 13:56
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

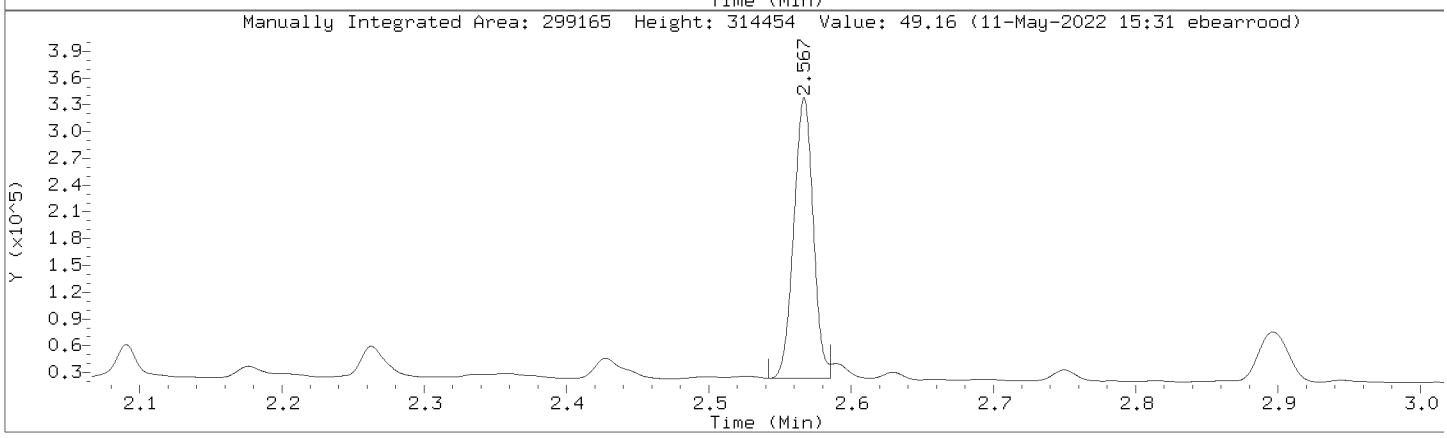
Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000004.D
Injection Date: 11-MAY-2022 13:56
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:





Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1686041	1686041
DRO by AK 102	2986945	2986945
TPH-DRO (C10-C28)	3415073	3415073
Motor Oil Range (C24-C36)	1765256	1765256
Diesel Fuel Range	2523638	2523638
Motor Oil Range	1984474	1984474
Diesel Fuel Range SG	2523638	2523638
Motor Oil Range SG	1984474	1984474
C10-C36	4672986	4672986
n-Triacontane (S)	337922	244251
o-Terphenyl (S)	341417	299165

SAMPLE NO.

BLANK

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received:
Matrix: Solid
SDG No.: 10606395
Date Extracted: 04/29/2022 17:05
Lab Sample ID: 4307793
Date Analyzed: 05/02/2022 19:37
Lab File ID: 050222R.B\0502R0000031B.D
Initial wt/vol: 10 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 10GCSF
Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/kg	Q
68334-30-5	Diesel Fuel Range	ND	U
	Motor Oil Range	ND	U

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050222R.b\0502R0000031b.D
Lab Smp Id: 4307793 Client Smp ID: MB
Inj Date : 02-MAY-2022 19:37
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : 4307793
Misc Info : 39248
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050222R.b\GCSFakNW8015-042722_3920
Meth Date : 06-May-2022 08:44 rgustafson Quant Type: ESTD
Cal Date : 27-APR-2022 14:42 Cal File: 0427R0000017.D
Als bottle: 25 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: SOIL
Processing Host: W10SVOA-TT

Concentration Formula: Amt * DF * Uf*Vt/(Ws*Vi*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Ws	10.000	Weight of the sample extracted (g)
Vi	1.000	Volume Injected (uL)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (mg/Kg)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.712	2.713	-0.001	268590	40.0754	4.01	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.258	4.262	-0.004	238032	45.4418	4.54	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.651	- 6.100		286907	38.6343	3.86	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.651	- 6.100		286907	38.6343	3.86	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.350	- 3.650		351920	7.60961	0.761	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.350	- 3.650		351920	7.60961	0.761	(M)	RNG

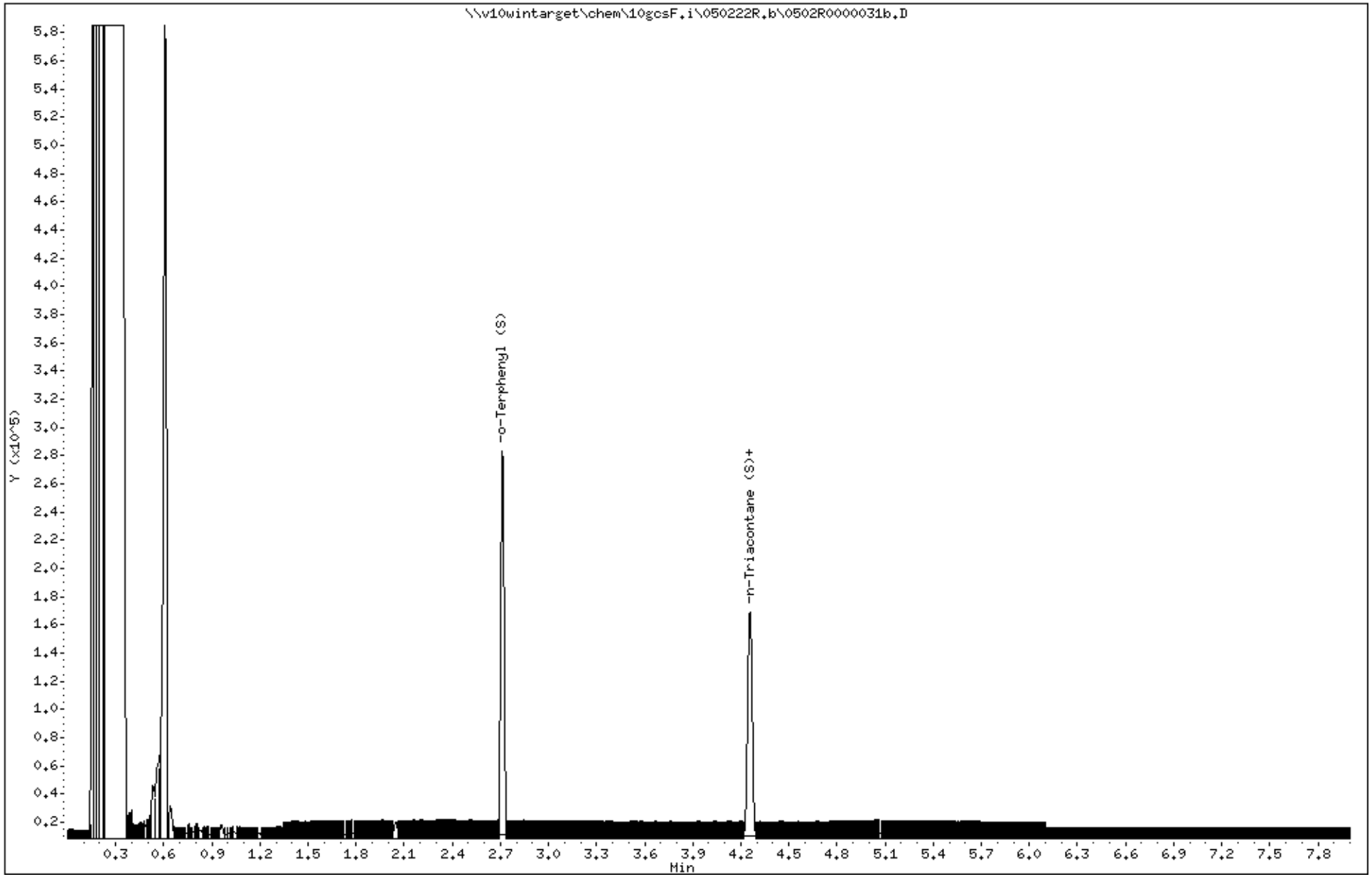
QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

Data File: \\v10wintarget\chem\10gcsF.i\050222R.b\0502R0000031b.D
Date : 02-MAY-2022 19:37
Client ID: MB
Instrument: 10gcsF.i
Sample Info: 4307793
Volume Injected (uL): 1.0
Operator: TT2
Column phase: DB-5-US21430033
Column diameter: 0.32



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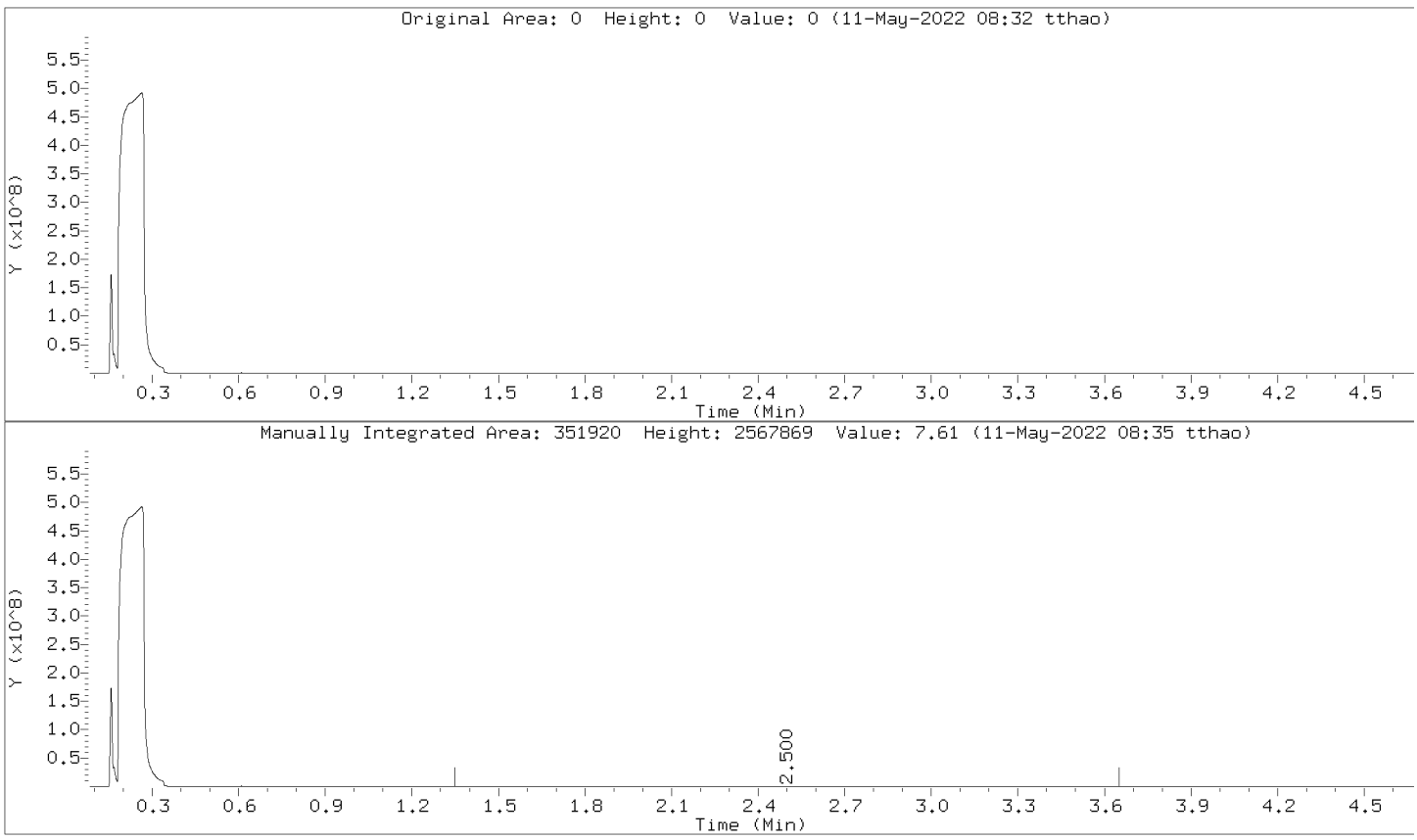
10606395

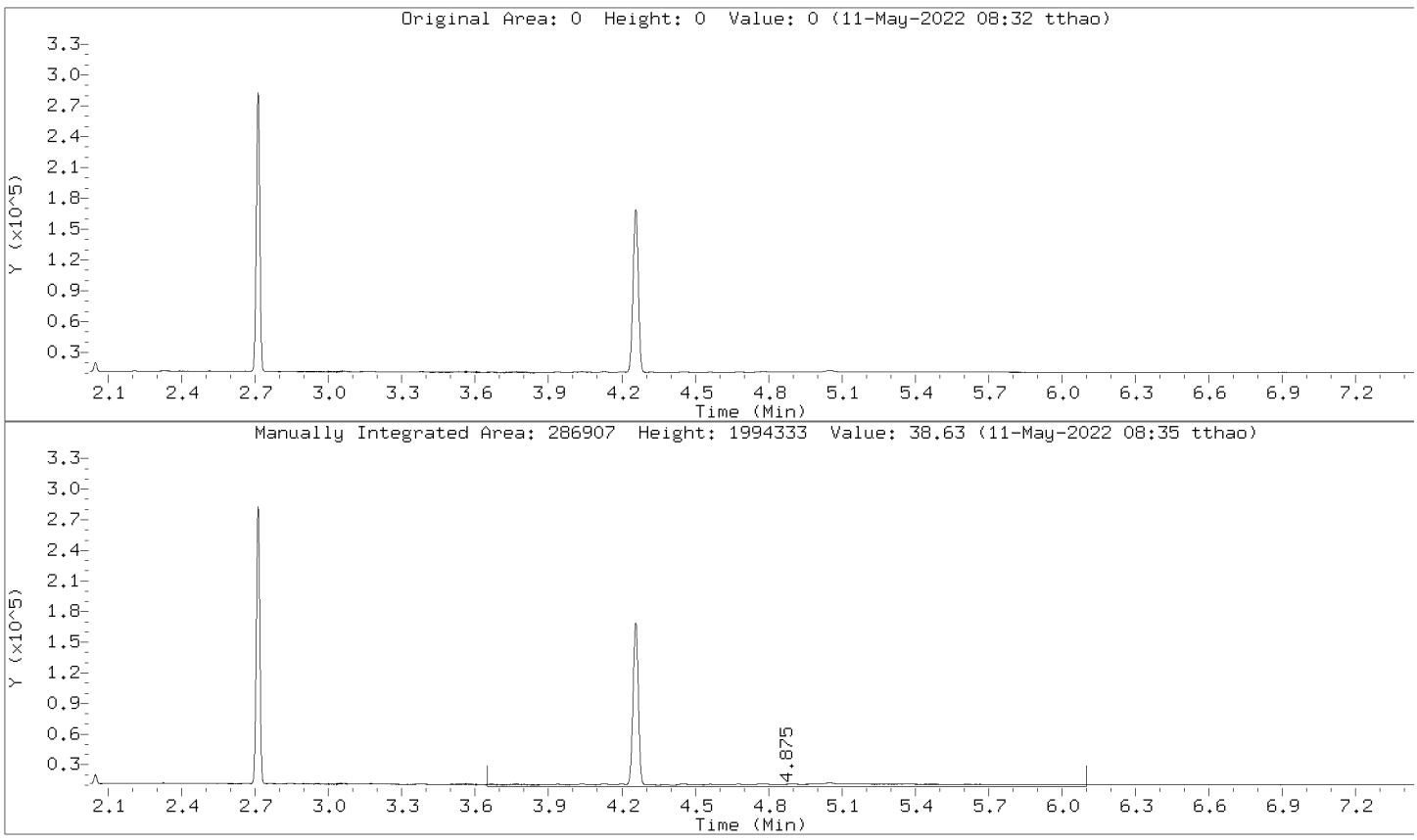
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000031b.D
Injection Date: 02-MAY-2022 19:37
Instrument: 10gcsF.i
Lab Sample ID: 4307793

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



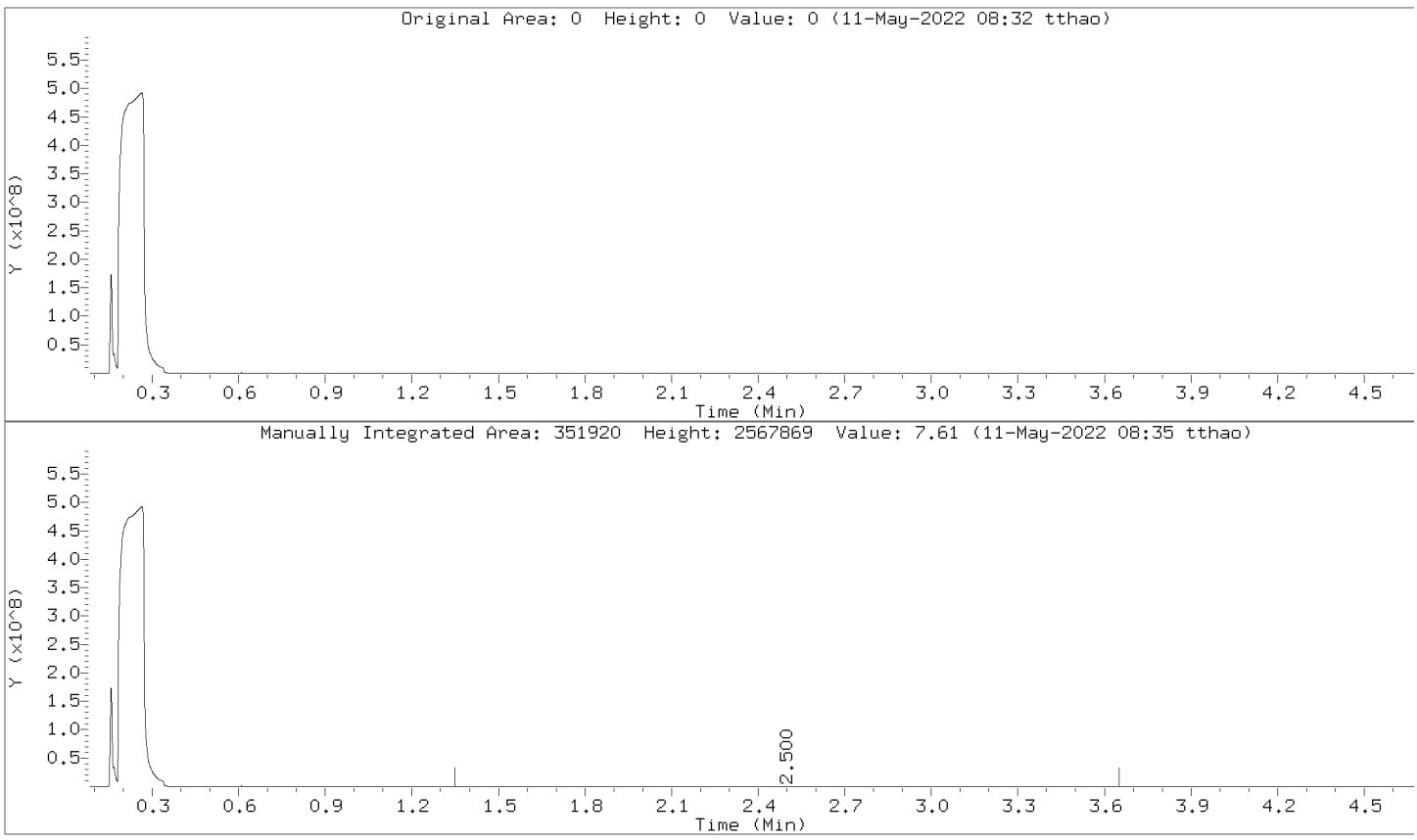
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000031b.D
Injection Date: 02-MAY-2022 19:37
Instrument: 10gcsF.i
Lab Sample ID: 4307793

Compound: Motor Oil Range Review Code: RNG
CAS Number:



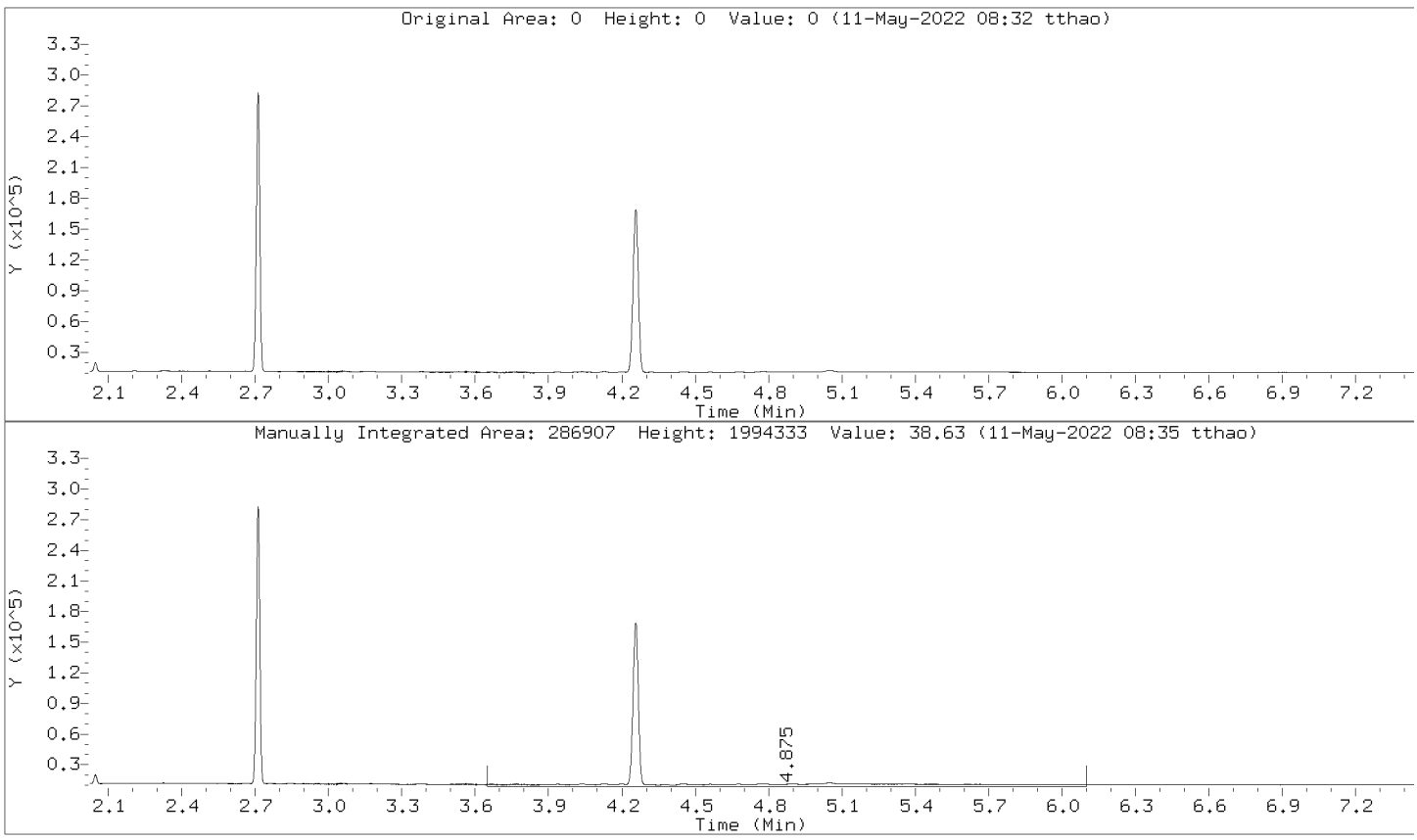
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000031b.D
Injection Date: 02-MAY-2022 19:37
Instrument: 10gcsF.i
Lab Sample ID: 4307793

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



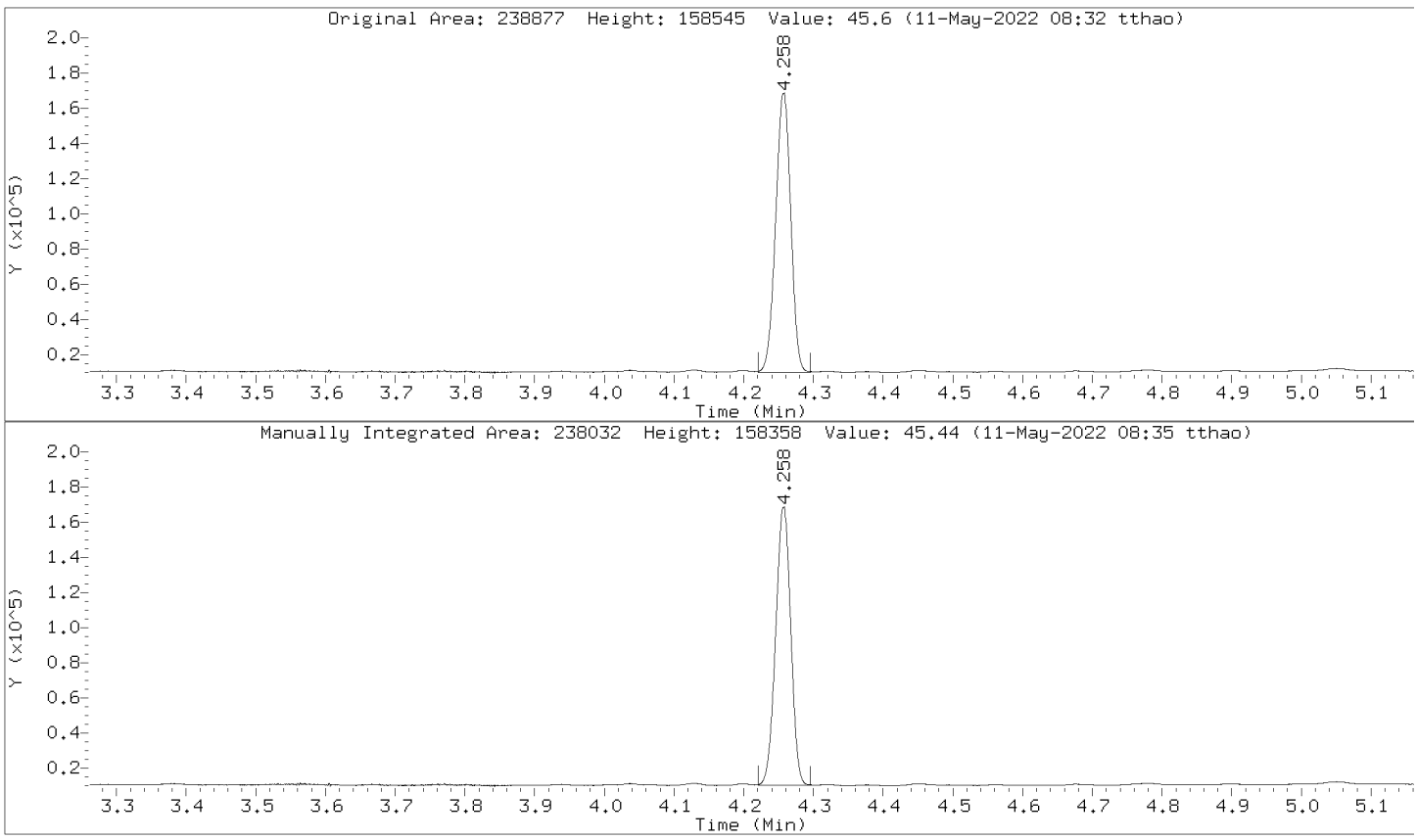
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000031b.D
Injection Date: 02-MAY-2022 19:37
Instrument: 10gcsF.i
Lab Sample ID: 4307793

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



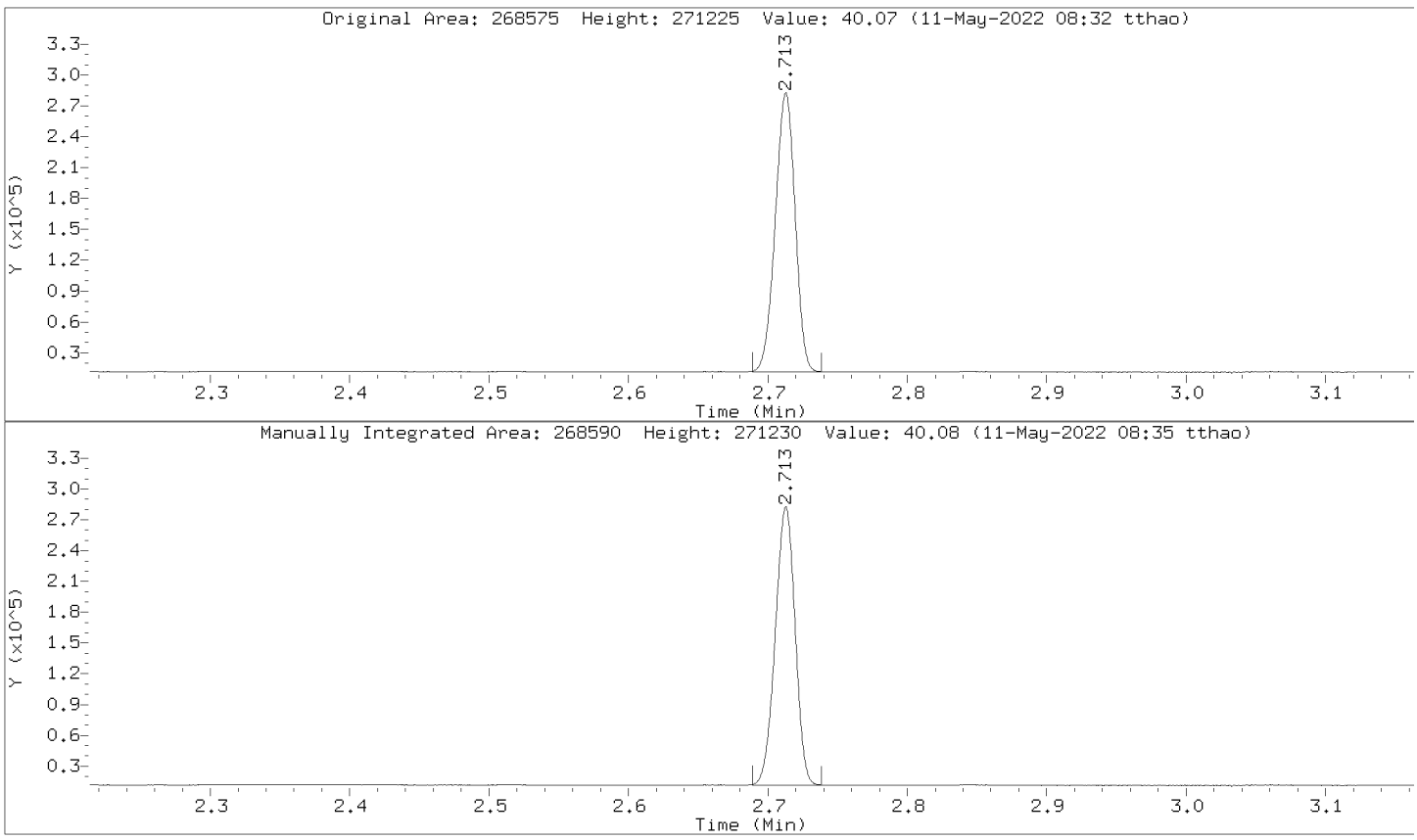
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000031b.D
Injection Date: 02-MAY-2022 19:37
Instrument: 10gcsF.i
Lab Sample ID: 4307793

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000031b.D
Injection Date: 02-MAY-2022 19:37
Instrument: 10gcsF.i
Lab Sample ID: 4307793

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	0	351920
Motor Oil Range	0	286907
Diesel Fuel Range SG	0	351920
Motor Oil Range SG	0	286907
n-Triacontane (S)	238877	238032
o-Terphenyl (S)	268575	268590

SAMPLE NO.

LCS

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota Contract: D3593500
Date Received: Matrix: Solid SDG No.: 10606395
Date Extracted: 04/29/2022 17:05 Lab Sample ID: 4307794
Date Analyzed: 05/02/2022 19:46 Lab File ID: 050222R.B\0502R0000032B.D
Initial wt/vol: 10 g Final wt/vol: 1 mL Dilution: 1 Instrument: 10GCSF Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/kg	Q
68334-30-5	Diesel Fuel Range	41.4	
	Motor Oil Range	46.6	

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050222R.b\0502R0000032b.D
Lab Smp Id: 4307794 Client Smp ID: MBLCS
Inj Date : 02-MAY-2022 19:46
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : 4307794
Misc Info : 39248
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050222R.b\GCSFakNW8015-042722_3920
Meth Date : 06-May-2022 08:44 rgustafson Quant Type: ESTD
Cal Date : 27-APR-2022 14:42 Cal File: 0427R0000017.D
Als bottle: 26 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: SOIL
Processing Host: W10SVOA-TT

Concentration Formula: Amt * DF * Uf*Vt/(Ws*Vi*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Ws	10.000	Weight of the sample extracted (g)
Vi	1.000	Volume Injected (uL)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (mg/Kg)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.711	2.713	-0.002	280153	41.8265	4.18	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.255	4.262	-0.007	214503	40.8821	4.09	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.651	-	6.100	2169720	465.601	46.6	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.651	-	6.100	2169720	465.601	46.6	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.350	-	3.650	2305427	413.796	41.4	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.350	-	3.650	2305427	413.796	41.4	(M)	RNG

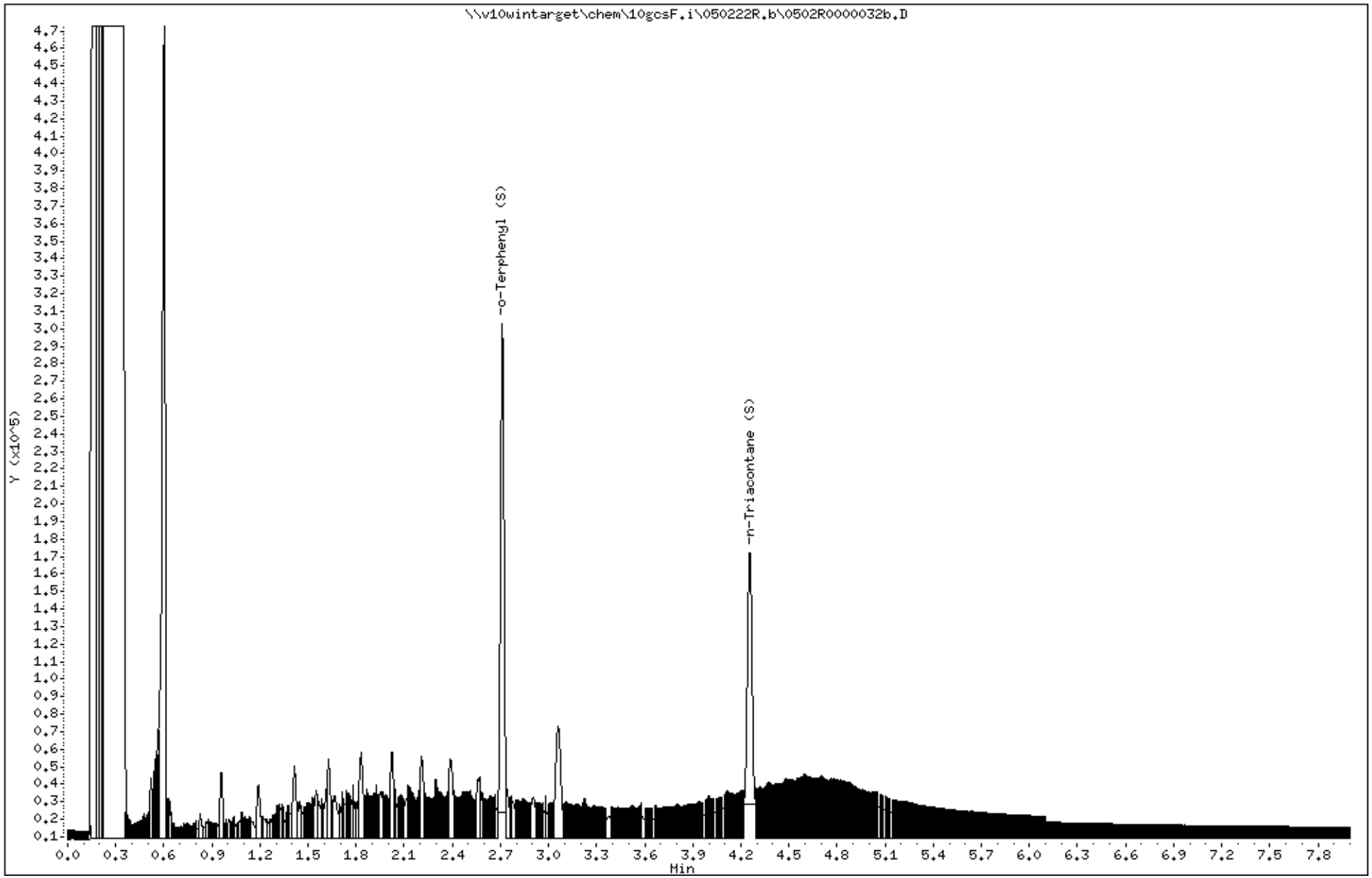
QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

Data File: \\v10wintarget\chem\10gcsF.i\050222R.b\0502R0000032b.D
Date : 02-MAY-2022 19:46
Client ID: MBLCS
Instrument: 10gcsF.i
Sample Info: 4307794
Volume Injected (uL): 1.0
Operator: TT2
Column phase: DB-5-US21430033
Column diameter: 0.32



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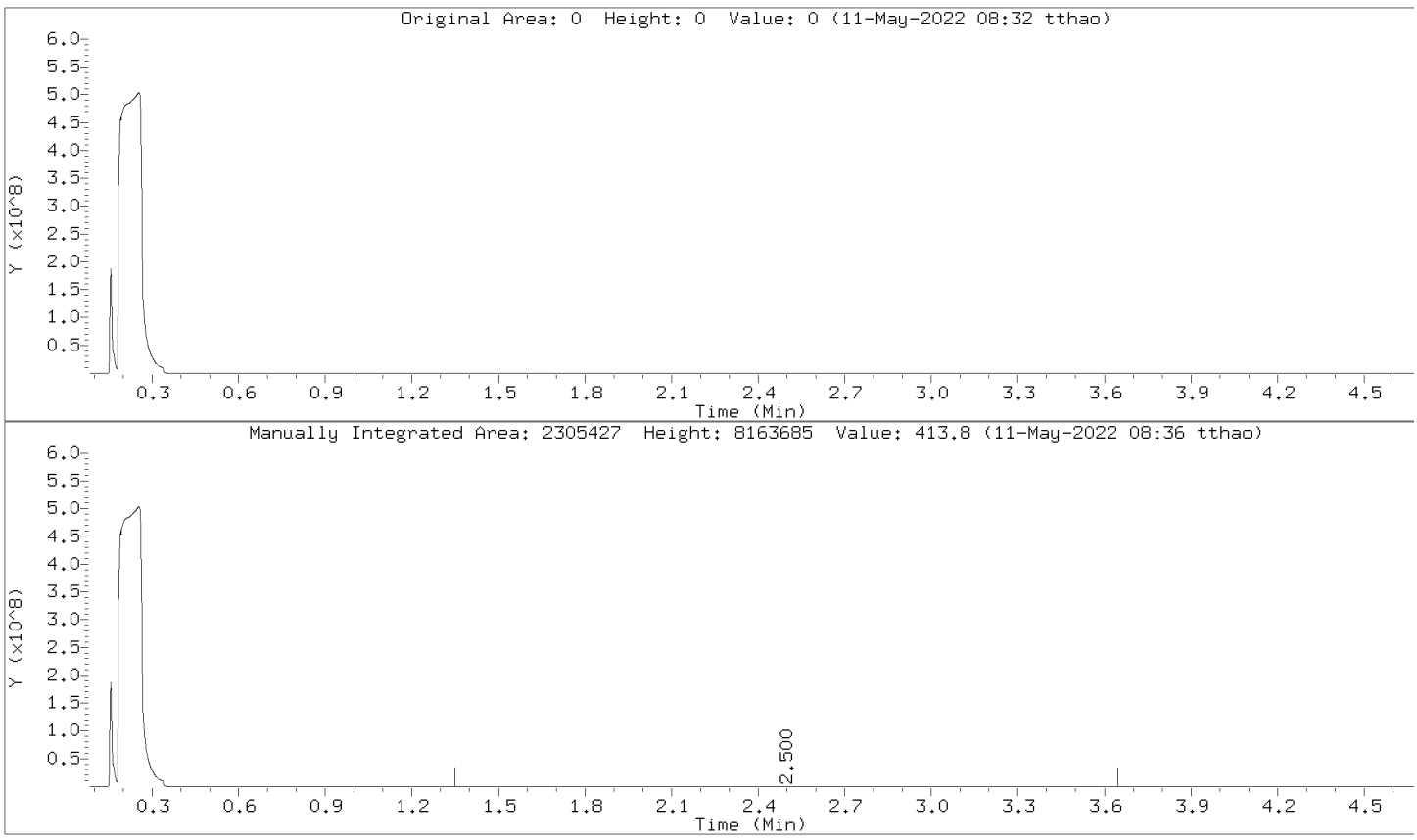
10606395

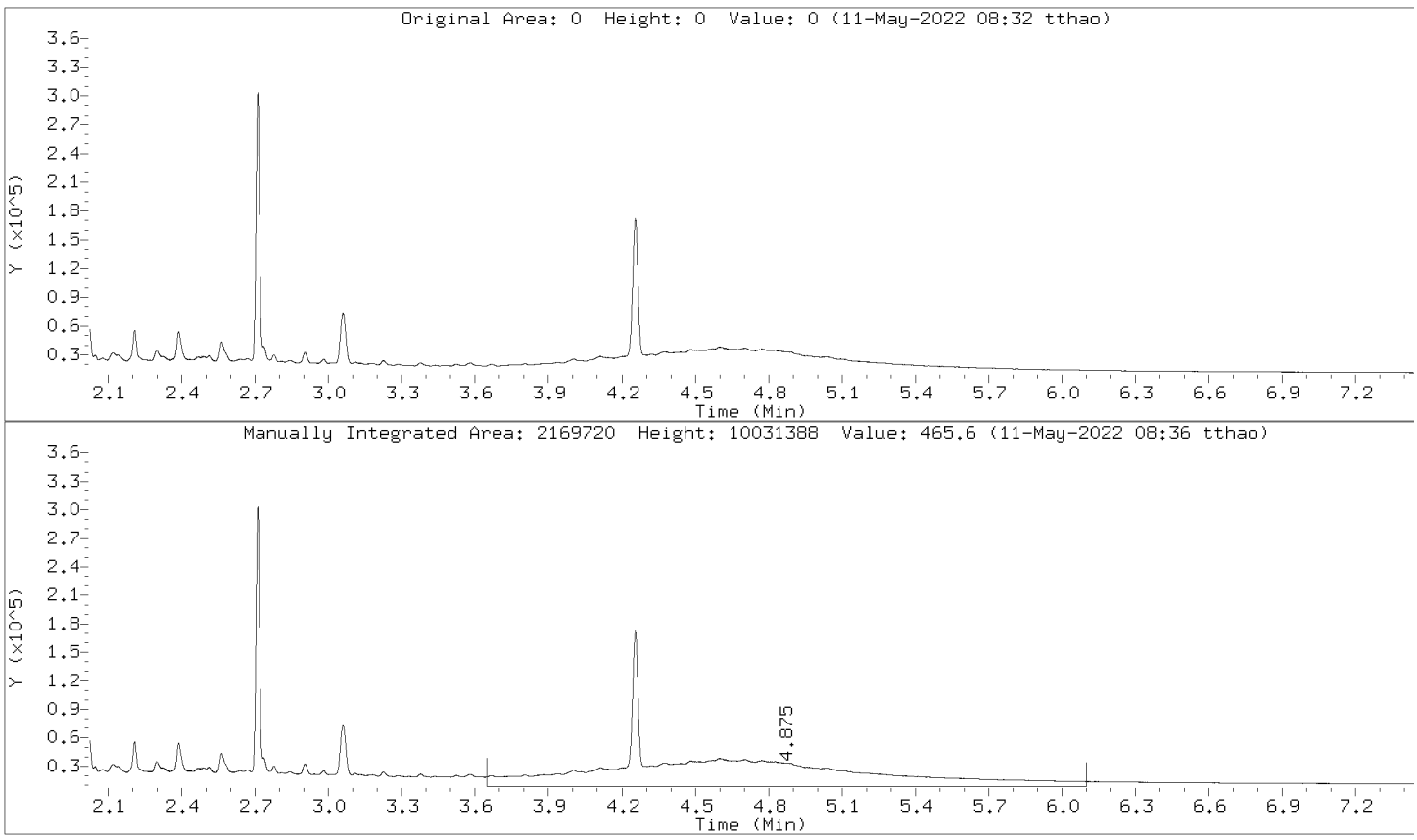
Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000032b.D
Injection Date: 02-MAY-2022 19:46
Instrument: 10gcsF.i
Lab Sample ID: 4307794

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050222R.b/0502R0000032b.D
Injection Date: 02-MAY-2022 19:46
Instrument: 10gcsF.i
Lab Sample ID: 4307794

Compound: Motor Oil Range Review Code: RNG
CAS Number:



Prep Log Report

Batch Information: OEXT 64498 812360 NWDROS

Template Version: ENV-EPL-MIN4-0072-Rev.00 (03Jan2021)

Prep Method	EPA 3550	Analysis Method	NWTPH-Dx	Prepared By	GY1	Extracted Date/Time	04/29/2022 17:05:56:115
Instrument	10BALW	Calibrated	Yes	Sonicator Tune Date	04/29/2022 16:55:55:290	Spiked By	GY1
Dispenser ID 1	Q617	Dispenser ID 2		Syringe ID 1		Syringe ID 2	
Syringe ID 3		Pipette ID 1	PP1-42	Conc. Method	WaterBath	Concentrated By	VH
Concentration Date/Time	05/01/2022	Methylene Chloride	362509	MeCl/Acetone 80:20	363495	Ottawa Sand	357927
Sodium Sulfate	355640-06	Glass Wool	363836	Gravity Filters	None Added	Vial Lot #	22025312
Reviewed By	RS	Reviewed By Date	05/02/2022 06:24	Batch Notes	Syringe Q835, Q825 & Q827. Shares QC w/OEXT 64499 812361 8015DSD10.		

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	Matrix	Sample ID Verified By	Spike Verified By	Container + Sample Wt (g)	Container Wt (g)	Initial Amount (g | mL | wipe)	Final Volume (mL)	Sonicator ID	Water Bath ID	Water Bath Thermo ID	Correction Factor
NWDROS_P	BLANK	**4307793**	Y	Solid	Scanner	No one to verify			10	1	10OP37	10OP29	210745396	1
NWDROS_P	LCS	**4307794**	Y	Solid	Scanner	No one to verify			10	1	10OP04	10OP29	210745396	1
NWDROS_P	PS	**10606046001**	Y	Solid	Scanner	No one to verify			10.11	1	10OP01	10OP29	210745396	1
NWDROS_P	PS	**10606394001**	Y	Solid	Scanner	No one to verify			10.03	1	10OP37	10OP29	210745396	1
NWDROS_P	PS	**10606394002**	Y	Solid	Scanner	No one to verify			10.09	1	10OP04	10OP29	210745396	1
NWDROS_P	PS	**10606394003**	Y	Solid	Scanner	No one to verify			10.19	1	10OP04	10OP29	210745396	1
NWDROS_P	PS	**10606394004**	Y	Solid	Scanner	No one to verify			10.1	1	10OP01	10OP29	210745396	1
NWDROS_P	PS	**10606395001**	Y	Solid	Scanner	No one to verify			10.05	1	10OP37	10OP29	210745396	1
NWDROS_P	PS	**10606395002**	Y	Solid	Scanner	No one to verify			10.05	1	10OP04	10OP29	210745396	1
NWDROS_P	PS	**10606395003**	Y	Solid	Scanner	No one to verify			10.02	1	10OP04	10OP29	210745396	1
NWDROS_P	PS	**10606395004**	Y	Solid	Scanner	No one to verify			10.13	1	10OP01	10OP29	210745396	1
NWDROS_P	PS	**10606463001**	Y	Solid	Scanner	No one to verify			10.14	1	10OP04	10OP29	210745396	1
NWDROS_P	MS	**4307905**	Y	Solid	Scanner	No one to verify			10.2	1	10OP01	10OP29	210745396	1
NWDROS_P	MSD	**4307906**	Y	Solid	Scanner	No one to verify			10.16	1	10OP37	10OP29	210745396	1

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Prep Log Report

QC Rule	Sample Type	Lab Sample ID	Water Bath Temp | Corr (C)	Sample Notes	DMO-SPK (uL)	ntcs-SS (uL)	oter-SS (uL)
NWDROS_P	BLANK	**4307793**	92.00 | 93.00			358167 (10)	352759 (25)
NWDROS_P	LCS	**4307794**	92.00 | 93.00		358262 (250)	358167 (10)	352759 (25)
NWDROS_P	PS	**10606046001**	92.00 | 93.00	wet sample		358167 (10)	352759 (25)
NWDROS_P	PS	**10606394001**	92.00 | 93.00	1*		358167 (10)	352759 (25)
NWDROS_P	PS	**10606394002**	92.00 | 93.00	1*		363304 (10)	352759 (25)
NWDROS_P	PS	**10606394003**	92.00 | 93.00	1*		360507 (10)	352759 (25)
NWDROS_P	PS	**10606394004**	92.00 | 93.00	1*		360507 (10)	352759 (25)
NWDROS_P	PS	**10606395001**	92.00 | 93.00	1*		360507 (10)	352759 (25)
NWDROS_P	PS	**10606395002**	92.00 | 93.00	1*		360507 (10)	352759 (25)
NWDROS_P	PS	**10606395003**	92.00 | 93.00	wet sample		360507 (10)	352760 (25)
NWDROS_P	PS	**10606395004**	92.00 | 93.00	1*		360507 (10)	352760 (25)
NWDROS_P	PS	**10606463001**	92.00 | 93.00			358167 (10)	352759 (25)
NWDROS_P	MS	**4307905**	92.00 | 93.00		358262 (250)	358167 (10)	352759 (25)
NWDROS_P	MSD	**4307906**	92.00 | 93.00		358262 (250)	358167 (10)	352759 (25)

Sample Notes:

1*: decanted standing water

Standard Notes:

352759: received 2/21/22, opened 04/21/22 GY1

352760: received 2/21/22, opened 04/29/22 GY1

358167: Recieved 3/25/22, opened 4/28/22 FT1

360507: Recieved 4/11/22, opened 04/29/22 GY1

363304: Recieved 4/26/22, opened 04/28/22 GY1

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Pace Analytical™

Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21430033 0.32mm Hy

Method: 8015/AK/NW

Solvent lot:

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0427R0000001.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-042722_	4/27/22 11:41	EB3	ran to stabilize baseline
0427R0000002.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-042722_	4/27/22 11:53	EB3	|
0427R0000003.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-042722_	4/27/22 12:04	EB3	|
0427R0000004.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-042722_	4/27/22 12:15	EB3	|
0427R0000005.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-042722_	4/27/22 12:26	EB3	|
0427R0000006.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-042722_	4/27/22 12:38	EB3	V
0427R0000007.D	DMO-RTM,362403	/39205	Sample	1		GCSFAKNW8015-042722_	4/27/22 12:49	EB3	
0427R0000008.D	DMO-CAL1,362369	/39205	Ical	1		GCSFAKNW8015-042722_	4/27/22 13:00	EB3	level 1 dropped
0427R0000009.D	DMO-CAL2,362370	/39205	Ical	1		GCSFAKNW8015-042722_	4/27/22 13:11	EB3	
0427R0000010.D	DMO-CAL3,362371	/39205	Ical	1		GCSFAKNW8015-042722_	4/27/22 13:23	EB3	Pass 40% for all target analytes
0427R0000011.D	DMO-CAL4,362372	/39205	Ical	1		GCSFAKNW8015-042722_	4/27/22 13:34	EB3	
0427R0000012.D	DMO-CAL5,362373	/39205	Ical	1		GCSFAKNW8015-042722_	4/27/22 13:45	EB3	
0427R0000013.D	DMO-CAL6,362374	/39205	Ical	1		GCSFAKNW8015-042722_	4/27/22 13:57	EB3	
0427R0000014.D	DMO-CAL7,362375	/39205	Ical	1		GCSFAKNW8015-042722_	4/27/22 14:08	EB3	
0427R0000015.D	DMO-CAL8,362376	/39205	Ical	1		GCSFAKNW8015-042722_	4/27/22 14:19	EB3	
0427R0000016.D	DMO-CAL9,362377	/39205	Ical	1		GCSFAKNW8015-042722_	4/27/22 14:30	EB3	
0427R0000017.D	DMO-CAL10,362378	/39205	Ical	1		GCSFAKNW8015-042722_	4/27/22 14:42	EB3	ICAL passing
0427R0000018.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-042722_	4/27/22 14:53	EB3	ran to eliminate the possibility of carryover
0427R0000019.D	DMO-ICV,355155	/39205	CCal	1		GCSFAKNW8015-042722_	4/27/22 15:04	EB3	Pass 15% for all ranges
0427R0000020.D	PBLK,349203	/39205	Sample	1		GCSFAKNW8015-042722_	4/27/22 15:15	EB3	Clean for all ranges
0427R0000021.D	DMO-CCV,362365	/39205	CCal	1		GCSFAKNW8015-042722_	4/27/22 15:27	EB3	Pass 15% for all ranges
0427R0000022.D	4295161	L/39115	Blank	1		GCSFAKNW8015-042722_	4/27/22 15:38	EB3	ok
0427R0000023.D	10604482008	L/39115	Sample	1		GCSFAKNW8015-042722_	4/27/22 15:49	EB3	8015W MDL - passing
0427R0000024.D	DMO-CCV,362365	/39205	CCal	1		GCSFAKNW8015-042722_	4/27/22 16:00	EB3	Pass 15% for all ranges
0427R0000025.D	4295166	L/39113	Blank	1		GCSFAKNW8015-042722_	4/27/22 16:12	EB3	ok
0427R0000025B.	4295167	L/39114	Blank	1		GCSFAKNW8015-042722_	4/27/22 16:12	EB3	ok
0427R0000026.D	10604482012	L/39113	Sample	1		GCSFAKNW8015-042722_	4/27/22 16:23	EB3	AK W MDL - passing
0427R0000026B.	10604482016	L/39114	Sample	1		GCSFAKNW8015-042722_	4/27/22 16:23	EB3	NW W MDL - passing
0427R0000027.D	DMO-CCV,362365	/39205	CCal	1		GCSFAKNW8015-042722_	4/27/22 16:34	EB3	Pass 15% for all ranges
0427R0000028.D	4295299	S/39116	Blank	1		GCSFAKNW8015-042722_	4/27/22 16:45	EB3	ok
0427R0000028B.	4295310	S/39118	Blank	1		GCSFAKNW8015-042722_	4/27/22 16:45	EB3	ok
0427R0000028C.	4295311	S/39117	Blank	1		GCSFAKNW8015-042722_	4/27/22 16:45	EB3	ok
0427R0000028D.	4325687	S/39417	Sample	1		GCSFAKNW8015-042722_	4/27/22 16:45	EB3	ok
0427R0000029.D	10604453012	S/39116	Sample	1		GCSFAKNW8015-042722_	4/27/22 16:57	EB3	8015S MDL - passing
0427R0000029B.	10604453008	S/39118	Sample	1		GCSFAKNW8015-042722_	4/27/22 16:57	EB3	AK S MDL - passing
0427R0000029C.	10604453016	S/39117	Sample	1		GCSFAKNW8015-042722_	4/27/22 16:57	EB3	NW S MDL - passing
0427R0000029D.	10604453076	S/39417	Sample	1		GCSFAKNW8015-042722_	4/27/22 16:57	EB3	1036S MDL - passing
0427R0000030.D	DMO-CCV,362365	/39205	CCal	1		GCSFAKNW8015-042722_	4/27/22 17:19	EB3	Pass 15% for all ranges
0427R0000031.D	PBLK,4301183	/	Sample	1		GCSFAKNW8015-042722_	4/27/22 17:30	EB3	NR

Pace Analytical™

Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21430033 0.32mm Hy

Method: 8015/AK/NW

Solvent lot:

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments

Check Maintenance Items Performed:

Changed septum	Clipped column	Changed column - Lot #
Cleaned liner	Changed trap - Lot #	Other minor parts replaced
Replaced/Cleaned gold seal	Cleaned MS Source	No maintenance performed today

Additional Comments:

File Path 1: \\V10WINTARGET\CHEM\10GCSF.I\042722R.B
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Run order verified:

Report Date: 05/19/2022 15:13
Reviewed By/Date:

Pace Analytical™

Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21430033 0.32mm Hy

Method: 8015/AK/NW

Solvent lot: MECL2-362509

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0502R0000001.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-042722_	5/02/22 14:57	TT2	
0502R0000002.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-042722_	5/02/22 15:07	TT2	
0502R0000003.D	DMO-RTM,362402	/39205	Sample	1		GCSFAKNW8015-042722_	5/02/22 15:16	TT2	
0502R0000004.D	DMO-CCV,363721	/39205	CCal	1		GCSFAKNW8015-042722_	5/02/22 15:25	TT2	Pass 15% for all ranges
0502R0000005.D	4305172	L/39219	Blank	1		GCSFAKNW8015-042722_	5/02/22 15:35	TT2	ok
0502R0000006.D	4305173	L/39219	LCS	1		GCSFAKNW8015-042722_	5/02/22 15:44	TT2	pass
0502R0000007.D	4305174	L/39219	LCSD	1		GCSFAKNW8015-042722_	5/02/22 15:53	TT2	pass
0502R0000008.D	10606016001	L/39219	Sample	1		GCSFAKNW8015-042722_	5/02/22 16:03	TT2	
0502R0000009.D	10606016002	L/39219	Sample	1		GCSFAKNW8015-042722_	5/02/22 16:12	TT2	
0502R0000010.D	10606016003	L/39219	Sample	1		GCSFAKNW8015-042722_	5/02/22 16:21	TT2	
0502R0000011.D	10606016004	L/39219	Sample	1		GCSFAKNW8015-042722_	5/02/22 16:31	TT2	
0502R0000012.D	10606016005	L/39219	Sample	1		GCSFAKNW8015-042722_	5/02/22 16:40	TT2	
0502R0000013.D	10606016007	L/39219	Sample	1		GCSFAKNW8015-042722_	5/02/22 16:49	TT2	
0502R0000014.D	10606016008	L/39219	Sample	1		GCSFAKNW8015-042722_	5/02/22 16:59	TT2	
0502R0000015.D	DMO-CCV,363721	/39205	CCal	1		GCSFAKNW8015-042722_	5/02/22 17:08	TT2	Pass 15% for all ranges
0502R0000016.D	4305172	L/39219	Blank	1		GCSFAKNW8015-042722_	5/02/22 17:17	TT2	ok
0502R0000017.D	10606016010	L/39219	Sample	1		GCSFAKNW8015-042722_	5/02/22 17:27	TT2	
0502R0000018.D	DMO-CCV,363721	/39205	CCal	1		GCSFAKNW8015-042722_	5/02/22 17:36	TT2	Pass 15% for all ranges
0502R0000019.D	4307671	L/39247	Blank	1		GCSFAKNW8015-042722_	5/02/22 17:45	TT2	ok
0502R0000020.D	4307672	L/39247	LCS	1		GCSFAKNW8015-042722_	5/02/22 17:55	TT2	passes
0502R0000021.D	4307673	L/39247	LCSD	1		GCSFAKNW8015-042722_	5/02/22 18:04	TT2	passes
0502R0000022.D	10606410001	L/39247	Sample	1		GCSFAKNW8015-042722_	5/02/22 18:13	TT2	RAG
0502R0000023.D	10606410002	L/39247	Sample	1		GCSFAKNW8015-042722_	5/02/22 18:23	TT2	
0502R0000024.D	DMO-CCV,363721	/39205	CCal	1		GCSFAKNW8015-042722_	5/02/22 18:32	TT2	Pass 15% for all ranges
0502R0000025.D	4303622	S/39215	Blank	1		GCSFAKNW8015-042722_	5/02/22 18:41	TT2	rr, MB failing
0502R0000026.D	10605661001	S/39215	Sample	1		GCSFAKNW8015-042722_	5/02/22 18:50	TT2	|
0502R0000027.D	4303624	S/39215	MS	1		GCSFAKNW8015-042722_	5/02/22 19:00	TT2	|
0502R0000028.D	4303625	S/39215	MSD	1		GCSFAKNW8015-042722_	5/02/22 19:09	TT2	|
0502R0000029.D	10605661002	S/39215	Sample	1		GCSFAKNW8015-042722_	5/02/22 19:18	TT2	V
0502R0000030.D	DMO-CCV,363721	/39205	CCal	1		GCSFAKNW8015-042722_	5/02/22 19:28	TT2	Pass 15% for all ranges
0502R0000031.D	4307795	S/39249	Blank	1		GCSFAKNW8015-042722_	5/02/22 19:37	TT2	OK
0502R0000031B.	4307793	S/39248	Blank	1		GCSFAKNW8015-042722_	5/02/22 19:37	TT2	OK
0502R0000032.D	4307796	S/39249	LCS	1		GCSFAKNW8015-042722_	5/02/22 19:46	TT2	Passes
0502R0000032B.	4307794	S/39248	LCS	1		GCSFAKNW8015-042722_	5/02/22 19:46	TT2	Passes
0502R0000033.D	10606390001	S/39249	Sample	1		GCSFAKNW8015-042722_	5/02/22 19:56	TT2	
0502R0000033B.	10606463001	S/39248	Sample	1		GCSFAKNW8015-042722_	5/02/22 19:56	TT2	
0502R0000034.D	4307797	S/39249	MS	1		GCSFAKNW8015-042722_	5/02/22 20:05	TT2	
0502R0000034B.	4307905	S/39248	MS	1		GCSFAKNW8015-042722_	5/02/22 20:05	TT2	
0502R0000035.D	4307798	S/39249	MSD	1		GCSFAKNW8015-042722_	5/02/22 20:14	TT2	
0502R0000035B.	4307906	S/39248	MSD	1		GCSFAKNW8015-042722_	5/02/22 20:14	TT2	
0502R0000036.D	10606390002	S/39249	Sample	1		GCSFAKNW8015-042722_	5/02/22 20:23	TT2	
0502R0000037.D	10606398001	S/39249	Sample	1		GCSFAKNW8015-042722_	5/02/22 20:33	TT2	rr 2X
0502R0000038.D	10606046001	S/39248	Sample	1		GCSFAKNW8015-042722_	5/02/22 20:42	TT2	
0502R0000039.D	10606394001	S/39248	Sample	20		GCSFAKNW8015-042722_	5/02/22 20:51	TT2	rr 1X
0502R0000040.D	10606394002	S/39248	Sample	20		GCSFAKNW8015-042722_	5/02/22 21:01	TT2	rr 1X
0502R0000041.D	DMO-CCV,363721	/39205	CCal	1		GCSFAKNW8015-042722_	5/02/22 21:10	TT2	Pass 15% for all ranges

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Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21430033 0.32mm Hy

Method: 8015/AK/NW

Solvent lot: MECL2-362509

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0502R0000042.D	4307795	S/39249	Blank	1		GCSFAKNW8015-042722_	5/02/22 21:19	TT2	OK
0502R0000043.D	10606394003	S/39248	Sample	20		GCSFAKNW8015-042722_	5/02/22 21:29	TT2	rr 1X
0502R0000044.D	10606394004	S/39248	Sample	20		GCSFAKNW8015-042722_	5/02/22 21:38	TT2	rr 1X
0502R0000045.D	10606395001	S/39248	Sample	20		GCSFAKNW8015-042722_	5/02/22 21:47	TT2	rr 1X
0502R0000046.D	10606395002	S/39248	Sample	20		GCSFAKNW8015-042722_	5/02/22 21:57	TT2	rr 1X
0502R0000047.D	10606395003	S/39248	Sample	20		GCSFAKNW8015-042722_	5/02/22 22:06	TT2	rr 1X
0502R0000048.D	10606395004	S/39248	Sample	20		GCSFAKNW8015-042722_	5/02/22 22:15	TT2	rr 1X
0502R0000049.D	DMO-CCV,363721	/39205	CCal	1		GCSFAKNW8015-042722_	5/02/22 22:25	TT2	Pass 15% for all ranges
0502R0000050.D	PBLK,4305172	/39205	Sample	1		GCSFAKNW8015-042722_	5/02/22 22:34	TT2	Clean

Check Maintenance Items Performed:

Changed septum	Clipped column	Changed column - Lot #
Cleaned liner	Changed trap - Lot #	Other minor parts replaced
Replaced/Cleaned gold seal	Cleaned MS Source	No maintenance performed today

Additional Comments:

File Path 1: \\V10WINTARGET\CHEM\10GCSF.I\050222R.B
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Run order verified: RAG

Report Date: 05/16/2022 10:12
Reviewed By/Date:

Pace Analytical™

Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot: NA

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0509F0000001.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 09:51	TT2	
0509F0000002.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:02	TT2	
0509F0000003.D	DMO-RTM,362402	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:14	TT2	rr pressure leak
0509F0000004.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:35	TT2	
0509F0000005.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:47	TT2	
0509F0000006.D	DMO-RTM,362402	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:59	TT2	
0509F0000007.D	DMO-CAL1,364979	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:10	TT2	
0509F0000008.D	DMO-CAL2,364980	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:22	TT2	
0509F0000009.D	DMO-CAL3,364981	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:33	TT2	Pass 30% for all target analytes
0509F0000010.D	DMO-CAL4,364982	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:45	TT2	Pass 40% for all target analytes
0509F0000011.D	DMO-CAL5,364983	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:56	TT2	Pass 40% for all target analytes
0509F0000012.D	DMO-CAL6,364984	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:08	TT2	
0509F0000013.D	DMO-CAL7,364985	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:20	TT2	
0509F0000014.D	DMO-CAL8,364986	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:31	TT2	
0509F0000015.D	DMO-CAL9,364987	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:43	TT2	
0509F0000016.D	DMO-CAL10,364988	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:54	TT2	ICAL Passing
0509F0000017.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 13:06	TT2	
0509F0000018.D	DMO-ICV,364989	/39289	CCal	1		GCSFAKNW8015-050922_	5/09/22 13:18	TT2	Failing made wrong
0509F0000019.D	PBLK,363301	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 13:29	TT2	
0509F0000020.D	DMO-ICV,355155	/39289	CCal	1		GCSFAKNW8015-050922_	5/09/22 14:13	TT2	possibly conc out.
0509F0000021.D	PBLK,363301	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 14:24	TT2	
0509F0000022.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 14:57	TT2	
0509F0000023.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 15:08	TT2	
0509F0000024.D	DMO-CAL1,364979	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 15:19	TT2	Drop CAL1
0509F0000025.D	DMO-CAL2,364980	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 15:31	TT2	
0509F0000026.D	DMO-CAL3,364981	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 15:43	TT2	Pass 30% for all target analytes
0509F0000027.D	DMO-CAL4,364982	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 15:54	TT2	Pass 40% for all target analytes
0509F0000028.D	DMO-CAL5,364983	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:06	TT2	Pass 40% for all target analytes
0509F0000029.D	DMO-CAL6,364984	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:18	TT2	
0509F0000030.D	DMO-CAL7,364985	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:29	TT2	
0509F0000031.D	DMO-CAL8,364986	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:41	TT2	
0509F0000032.D	DMO-CAL9,364987	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:53	TT2	
0509F0000033.D	DMO-CAL10,364988	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 17:04	TT2	ICAL Passing
0509F0000034.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 17:16	TT2	ran to stabilize baseline
0509F0000035.D	DMO-ICV,365117	/39289	CCal	1		GCSFAKNW8015-050922_	5/09/22 17:27	TT2	Pass 15% for all ranges
0509F0000036.D	PBLK,363301	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 17:39	TT2	Clean

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Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot: NA

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments

Check Maintenance Items Performed:

Changed septum	Clipped column	Changed column - Lot #
Cleaned liner	Changed trap - Lot #	Other minor parts replaced
Replaced/Cleaned gold seal	Cleaned MS Source	No maintenance performed today

Additional Comments:

File Path 1: \\V10WINTARGET\CHEM\10GCSF.I\050922F.B
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Run order verified:

Report Date: 05/10/2022 06:45
Reviewed By/Date:

Pace Analytical™

Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/NW

Solvent lot: MECL2-

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0510F0000001.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/10/22 09:06	TT2	
0510F0000002.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/10/22 09:18	TT2	
0510F0000003.D	DMO-RTM,365036	/39289	Sample	1		GCSFAKNW8015-050922_	5/10/22 09:29	TT2	
0510F0000004.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/10/22 09:41	TT2	Pass 15% for all ranges
0510F0000005.D	4312717	S/39304	Blank	1		GCSFAKNW8015-050922_	5/10/22 09:52	TT2	OK
0510F0000006.D	4312718	S/39304	LCS	1		GCSFAKNW8015-050922_	5/10/22 10:03	TT2	Passes
0510F0000007.D	10607070001	S/39304	Sample	1		GCSFAKNW8015-050922_	5/10/22 10:15	TT2	
0510F0000008.D	4312719	S/39304	MS	1		GCSFAKNW8015-050922_	5/10/22 10:26	TT2	
0510F0000009.D	4312720	S/39304	MSD	1		GCSFAKNW8015-050922_	5/10/22 10:38	TT2	
0510F0000010.D	10607070002	S/39304	Sample	1		GCSFAKNW8015-050922_	5/10/22 10:49	TT2	
0510F0000011.D	10607070003	S/39304	Sample	1		GCSFAKNW8015-050922_	5/10/22 11:00	TT2	
0510F0000012.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/10/22 11:12	TT2	Pass 15% for all ranges
0510F0000013.D	4305172	L/39219	Blank	1		GCSFAKNW8015-050922_	5/10/22 11:23	TT2	ok
0510F0000014.D	10606016007	L/39219	Sample	1		GCSFAKNW8015-050922_	5/10/22 11:35	TT2	confirms surr failing low, RX OOH
0510F0000015.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/10/22 11:46	EB3	Pass 15% for all ranges
0510F0000016.D	4313841	L/39302	Blank	1		GCSFAKNW8015-050922_	5/10/22 11:57	EB3	ok
0510F0000017.D	4313842	L/39302	LCS	1		GCSFAKNW8015-050922_	5/10/22 12:09	EB3	pass
0510F0000018.D	4313843	L/39302	LCSD	1		GCSFAKNW8015-050922_	5/10/22 12:20	EB3	pass
0510F0000019.D	10607250001	L/39302	Sample	1		GCSFAKNW8015-050922_	5/10/22 12:31	EB3	
0510F0000020.D	4313844	L/39302	Dupe	1		GCSFAKNW8015-050922_	5/10/22 12:43	EB3	
0510F0000021.D	10607250002	L/39302	Sample	1		GCSFAKNW8015-050922_	5/10/22 12:54	EB3	
0510F0000022.D	10607250003	L/39302	Sample	1		GCSFAKNW8015-050922_	5/10/22 13:06	EB3	
0510F0000023.D	10607250004	L/39302	Sample	1		GCSFAKNW8015-050922_	5/10/22 13:17	EB3	
0510F0000024.D	10607250005	L/39302	Sample	1		GCSFAKNW8015-050922_	5/10/22 13:28	EB3	
0510F0000025.D	10607250006	L/39302	Sample	1		GCSFAKNW8015-050922_	5/10/22 13:40	EB3	
0510F0000026.D	10607250007	L/39302	Sample	1		GCSFAKNW8015-050922_	5/10/22 13:51	EB3	
0510F0000027.D	10607250008	L/39302	Sample	1		GCSFAKNW8015-050922_	5/10/22 14:02	EB3	
0510F0000028.D	10607250009	L/39302	Sample	1		GCSFAKNW8015-050922_	5/10/22 14:14	EB3	
0510F0000029.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/10/22 14:25	EB3	Pass 15% for all ranges
0510F0000030.D	4313536	L/39307	Blank	1		GCSFAKNW8015-050922_	5/10/22 14:36	EB3	failing, rr to confirm
0510F0000031.D	4313537	L/39307	LCS	1		GCSFAKNW8015-050922_	5/10/22 14:48	EB3	|
0510F0000032.D	4313538	L/39307	LCSD	1		GCSFAKNW8015-050922_	5/10/22 14:59	EB3	|
0510F0000033.D	10607094001	L/39307	Sample	1		GCSFAKNW8015-050922_	5/10/22 15:10	EB3	|
0510F0000034.D	10607116001	L/39307	Sample	1		GCSFAKNW8015-050922_	5/10/22 15:22	EB3	|
0510F0000035.D	10607116002	L/39307	Sample	1		GCSFAKNW8015-050922_	5/10/22 15:33	EB3	V
0510F0000036.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/10/22 15:44	EB3	Pass 15% for all ranges
0510F0000037.D	4313529	L/39306	Blank	1		GCSFAKNW8015-050922_	5/10/22 15:56	EB3	rr air tank ran out
0510F0000038.D	4313530	L/39306	LCS	1		GCSFAKNW8015-050922_	5/10/22 16:07	EB3	|
0510F0000039.D	4313531	L/39306	LCSD	1		GCSFAKNW8015-050922_	5/10/22 16:19	EB3	|
0510F0000040.D	10607062002	L/39306	Sample	1		GCSFAKNW8015-050922_	5/10/22 16:30	EB3	|
0510F0000041.D	4313532	L/39306	Dupe	1		GCSFAKNW8015-050922_	5/10/22 16:41	EB3	V
0510F0000042.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/10/22 18:44	TT2	ran to stabilize the baseline
0510F0000043.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/10/22 18:56	TT2	
0510F0000044.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/10/22 19:07	TT2	Pass 15% for all ranges
0510F0000045.D	4313536	L/39307	Blank	1		GCSFAKNW8015-050922_	5/10/22 19:18	TT2	Glasswoolhit
0510F0000046.D	4313537	L/39307	LCS	1		GCSFAKNW8015-050922_	5/10/22 19:30	TT2	|

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Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/NW

Solvent lot: MECL2-

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0510F0000047.D	4313538	L/39307	LCSD	1		GCSFAKNW8015-050922_	5/10/22 19:41	TT2	|
0510F0000048.D	10607094001	L/39307	Sample	1		GCSFAKNW8015-050922_	5/10/22 19:52	TT2	|
0510F0000049.D	10607116001	L/39307	Sample	1		GCSFAKNW8015-050922_	5/10/22 20:04	TT2	|
0510F0000050.D	10607116002	L/39307	Sample	1		GCSFAKNW8015-050922_	5/10/22 20:15	TT2	V
0510F0000051.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/10/22 20:26	TT2	Pass 15% for all ranges
0510F0000052.D	4313529	L/39306	Blank	1		GCSFAKNW8015-050922_	5/10/22 20:38	TT2	
0510F0000053.D	4313530	L/39306	LCS	1		GCSFAKNW8015-050922_	5/10/22 20:49	TT2	
0510F0000054.D	4313531	L/39306	LCSD	1		GCSFAKNW8015-050922_	5/10/22 21:00	TT2	
0510F0000055.D	10607062002	L/39306	Sample	1		GCSFAKNW8015-050922_	5/10/22 21:12	TT2	
0510F0000056.D	4313532	L/39306	Dupe	1		GCSFAKNW8015-050922_	5/10/22 21:23	TT2	
0510F0000057.D	10607062003	L/39306	Sample	1		GCSFAKNW8015-050922_	5/10/22 21:35	TT2	
0510F0000058.D	10607062004	L/39306	Sample	1		GCSFAKNW8015-050922_	5/10/22 21:46	TT2	
0510F0000059.D	10607062005	L/39306	Sample	1		GCSFAKNW8015-050922_	5/10/22 21:57	TT2	
0510F0000060.D	10607062006	L/39306	Sample	1		GCSFAKNW8015-050922_	5/10/22 22:09	TT2	
0510F0000061.D	10607062007	L/39306	Sample	1		GCSFAKNW8015-050922_	5/10/22 22:20	TT2	
0510F0000062.D	10607257002	L/39306	Sample	1		GCSFAKNW8015-050922_	5/10/22 22:31	TT2	
0510F0000063.D	10607257003	L/39306	Sample	1		GCSFAKNW8015-050922_	5/10/22 22:43	TT2	
0510F0000064.D	10607257004	L/39306	Sample	1		GCSFAKNW8015-050922_	5/10/22 22:54	TT2	rrlowsurr
0510F0000065.D	10607257005	L/39306	Sample	1		GCSFAKNW8015-050922_	5/10/22 23:05	TT2	
0510F0000066.D	4313932	L/39306	Dupe	1		GCSFAKNW8015-050922_	5/10/22 23:17	TT2	
0510F0000067.D	10607257006	L/39306	Sample	1		GCSFAKNW8015-050922_	5/10/22 23:28	TT2	
0510F0000068.D	10607257007	L/39306	Sample	1		GCSFAKNW8015-050922_	5/10/22 23:39	TT2	
0510F0000069.D	10607257008	L/39306	Sample	1		GCSFAKNW8015-050922_	5/10/22 23:51	TT2	
0510F0000070.D	10607257009	L/39306	Sample	1		GCSFAKNW8015-050922_	5/11/22 00:02	TT2	
0510F0000071.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 00:13	TT2	Pass 15% for all ranges
0510F0000072.D	4315536	L/39305	Blank	1		GCSFAKNW8015-050922_	5/11/22 00:25	TT2	OK
0510F0000073.D	4315537	L/39305	LCS	1		GCSFAKNW8015-050922_	5/11/22 00:36	TT2	Passes
0510F0000074.D	4315538	L/39305	LCSD	1		GCSFAKNW8015-050922_	5/11/22 00:47	TT2	Passes
0510F0000075.D	10607414001	L/39305	Sample	1		GCSFAKNW8015-050922_	5/11/22 00:59	TT2	
0510F0000076.D	4315539	L/39305	Dupe	1		GCSFAKNW8015-050922_	5/11/22 01:10	TT2	
0510F0000077.D	10607414002	L/39305	Sample	1		GCSFAKNW8015-050922_	5/11/22 01:22	TT2	rr n-tri outlow
0510F0000078.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 01:33	TT2	Pass 15% for all ranges
0510F0000079.D	4312715	S/39308	Blank	1		GCSFAKNW8015-050922_	5/11/22 01:44	TT2	OK
0510F0000080.D	4312716	S/39308	LCS	1		GCSFAKNW8015-050922_	5/11/22 01:56	TT2	Passes
0510F0000081.D	10607156001	S/39308	Sample	1		GCSFAKNW8015-050922_	5/11/22 02:07	TT2	
0510F0000082.D	4313295	S/39308	MS	1		GCSFAKNW8015-050922_	5/11/22 02:18	TT2	
0510F0000083.D	4313296	S/39308	MSD	1		GCSFAKNW8015-050922_	5/11/22 02:30	TT2	
0510F0000084.D	10606997001	S/39308	Sample	1		GCSFAKNW8015-050922_	5/11/22 02:41	TT2	rr 10X
0510F0000085.D	10606997002	S/39308	Sample	1		GCSFAKNW8015-050922_	5/11/22 02:52	TT2	
0510F0000086.D	10606997003	S/39308	Sample	1		GCSFAKNW8015-050922_	5/11/22 03:04	TT2	
0510F0000087.D	10607157001	S/39308	Sample	1		GCSFAKNW8015-050922_	5/11/22 03:15	TT2	
0510F0000088.D	10607157002	S/39308	Sample	1		GCSFAKNW8015-050922_	5/11/22 03:26	TT2	
0510F0000089.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 03:38	TT2	Pass 15% for all ranges
0510F0000090.D	4312715	S/39308	Blank	1		GCSFAKNW8015-050922_	5/11/22 03:49	TT2	OK
0510F0000091.D	10607157003	S/39308	Sample	1		GCSFAKNW8015-050922_	5/11/22 04:00	TT2	
0510F0000092.D	10607157004	S/39308	Sample	1		GCSFAKNW8015-050922_	5/11/22 04:11	TT2	

Pace Analytical™

Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/NW

Solvent lot: MECL2-

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0510F0000093.D	10607157005	S/39308	Sample	1		GCSFAKNW8015-050922_	5/11/22 04:23	TT2	
0510F0000094.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 04:34	TT2	Pass 15% for all ranges
0510F0000095.D	4315987	S/39309	Blank	1		GCSFAKNW8015-050922_	5/11/22 04:45	TT2	ok
0510F0000096.D	4315988	S/39309	LCS	1		GCSFAKNW8015-050922_	5/11/22 04:57	TT2	pass
0510F0000097.D	10607441001	S/39309	Sample	50		GCSFAKNW8015-050922_	5/11/22 05:08	TT2	
0510F0000098.D	4315989	S/39309	MS	50		GCSFAKNW8015-050922_	5/11/22 05:19	TT2	
0510F0000099.D	4315990	S/39309	MSD	50		GCSFAKNW8015-050922_	5/11/22 05:31	TT2	
0510F0000100.D	10607441003	S/39309	Sample	50		GCSFAKNW8015-050922_	5/11/22 05:42	TT2	
0510F0000101.D	10607365004	S/39309	Sample	50		GCSFAKNW8015-050922_	5/11/22 05:54	TT2	rr 100X
0510F0000102.D	10607365001	S/39309	Sample	20		GCSFAKNW8015-050922_	5/11/22 06:05	TT2	
0510F0000103.D	10607365012	S/39309	Sample	20		GCSFAKNW8015-050922_	5/11/22 06:16	TT2	rr 100X
0510F0000104.D	10607365006	S/39309	Sample	10		GCSFAKNW8015-050922_	5/11/22 06:28	TT2	rr 20X
0510F0000105.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 06:39	TT2	Pass 20% except NW range / possibly due to matr
0510F0000106.D	4315987	S/39309	Blank	1		GCSFAKNW8015-050922_	5/11/22 06:50	TT2	ok
0510F0000107.D	10607365010	S/39309	Sample	10		GCSFAKNW8015-050922_	5/11/22 07:02	TT2	rr 100X
0510F0000108.D	10607365008	S/39309	Sample	1		GCSFAKNW8015-050922_	5/11/22 07:13	TT2	
0510F0000109.D	10607441002	S/39309	Sample	1		GCSFAKNW8015-050922_	5/11/22 07:24	TT2	
0510F0000110.D	10607441004	S/39309	Sample	1		GCSFAKNW8015-050922_	5/11/22 07:36	TT2	
0510F0000111.D	10607127001	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 07:47	TT2	Opening CCV failing NW range rr with passing CC
0510F0000112.D	10607127002	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 07:58	TT2	|
0510F0000113.D	10607127003	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 08:10	TT2	|
0510F0000114.D	10607127004	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 08:21	TT2	V
0510F0000115.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 08:33	TT2	Pass 15% for all ranges
0510F0000116.D	PBLK,4308714	/39289	Sample	1		GCSFAKNW8015-050922_	5/11/22 08:44	TT2	
0510F0000117.D	4308714	/39248	Sample	1		GCSFAKNW8015-050922_	5/11/22 08:55	TT2	OK
0510F0000118.D	PBLK,4308714	/39289	Sample	1		GCSFAKNW8015-050922_	5/11/22 09:07	TT2	
0510F0000119.D	10606394001	S/39248	Sample	1		GCSFAKNW8015-050922_	5/11/22 09:18	TT2	
0510F0000120.D	PBLK,4308714	/39289	Sample	1		GCSFAKNW8015-050922_	5/11/22 09:30	TT2	
0510F0000121.D	10606394002	S/39248	Sample	1		GCSFAKNW8015-050922_	5/11/22 09:41	TT2	
0510F0000122.D	PBLK,4308714	/39289	Sample	1		GCSFAKNW8015-050922_	5/11/22 09:52	TT2	
0510F0000123.D	10606394003	S/39248	Sample	1		GCSFAKNW8015-050922_	5/11/22 10:04	TT2	
0510F0000124.D	PBLK,4308714	/39289	Sample	1		GCSFAKNW8015-050922_	5/11/22 10:15	TT2	
0510F0000125.D	10606394004	S/39248	Sample	1		GCSFAKNW8015-050922_	5/11/22 10:26	TT2	
0510F0000126.D	PBLK,4308714	/39289	Sample	1		GCSFAKNW8015-050922_	5/11/22 10:38	TT2	
0510F0000127.D	10606395001	S/39248	Sample	1		GCSFAKNW8015-050922_	5/11/22 10:49	TT2	
0510F0000128.D	PBLK,4308714	/39289	Sample	1		GCSFAKNW8015-050922_	5/11/22 11:00	TT2	
0510F0000129.D	10606395002	S/39248	Sample	1		GCSFAKNW8015-050922_	5/11/22 11:12	TT2	
0510F0000130.D	PBLK,4308714	/39289	Sample	1		GCSFAKNW8015-050922_	5/11/22 11:23	TT2	
0510F0000131.D	10606395003	S/39248	Sample	1		GCSFAKNW8015-050922_	5/11/22 11:34	TT2	
0510F0000132.D	PBLK,4308714	/39289	Sample	1		GCSFAKNW8015-050922_	5/11/22 11:46	TT2	
0510F0000133.D	10606395004	S/39248	Sample	1		GCSFAKNW8015-050922_	5/11/22 11:57	TT2	
0510F0000134.D	PBLK,4308714	/39289	Sample	1		GCSFAKNW8015-050922_	5/11/22 12:08	TT2	
0510F0000135.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 12:20	TT2	Pass 15% for all ranges

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Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/NW

Solvent lot: MECL2-

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments

Check Maintenance Items Performed:

Changed septum	Clipped column	Changed column - Lot #
Cleaned liner	Changed trap - Lot #	Other minor parts replaced
Replaced/Cleaned gold seal	Cleaned MS Source	No maintenance performed today

Additional Comments:

File Path 1: \\V10WINTARGET\CHEM\10GCSF.I\051022F.B
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Run order verified:

Report Date: 05/19/2022 11:37
Reviewed By/Date:

Pace Analytical™

Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot:

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0511F0000001.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/11/22 13:22	EB3	
0511F0000002.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/11/22 13:34	EB3	
0511F0000003.D	DMO-RTM,365036	/39289	Sample	1		GCSFAKNW8015-050922_	5/11/22 13:45	EB3	
0511F0000004.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 13:56	EB3	Pass 15% for all ranges
0511F0000005.D	4305172	L/39219	Blank	1		GCSFAKNW8015-050922_	5/11/22 14:08	EB3	ok
0511F0000006.D	4305173	L/39219	LCS	1		GCSFAKNW8015-050922_	5/11/22 14:19	EB3	pass
0511F0000007.D	4305174	L/39219	LCSD	1		GCSFAKNW8015-050922_	5/11/22 14:30	EB3	pass
0511F0000008.D	10606016007	L/39219	Sample	1		GCSFAKNW8015-050922_	5/11/22 14:41	EB3	this is a RX OOH result, does not confirm
0511F0000009.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 14:53	EB3	Pass 15% for all ranges
0511F0000010.D	4295310	S/39118	Blank	1		GCSFAKNW8015-050922_	5/11/22 15:04	EB3	ok
0511F0000011.D	10604453006	S/39118	Sample	1		GCSFAKNW8015-050922_	5/11/22 15:15	EB3	confirms failing high, RX
0511F0000012.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 15:27	EB3	Pass 15% for all ranges
0511F0000013.D	4313529	L/39306	Blank	1		GCSFAKNW8015-050922_	5/11/22 15:38	EB3	ok
0511F0000014.D	10607257004	L/39306	Sample	1		GCSFAKNW8015-050922_	5/11/22 15:49	EB3	confirms surr failing low, RX
0511F0000015.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 16:01	EB3	Pass 15% for all ranges
0511F0000016.D	4315536	L/39305	Blank	1		GCSFAKNW8015-050922_	5/11/22 16:12	EB3	ok
0511F0000017.D	10607414002	L/39305	Sample	1		GCSFAKNW8015-050922_	5/11/22 16:23	EB3	confirms surr failing low, RX
0511F0000018.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 16:35	EB3	Pass 15% for all ranges
0511F0000019.D	4316005	S/39301	Blank	1		GCSFAKNW8015-050922_	5/11/22 16:46	EB3	ok
0511F0000020.D	4316006	S/39301	LCS	1		GCSFAKNW8015-050922_	5/11/22 16:57	EB3	pass
0511F0000021.D	10607520001	S/39301	Sample	50		GCSFAKNW8015-050922_	5/11/22 17:09	EB3	
0511F0000022.D	4316061	S/39301	MS	50		GCSFAKNW8015-050922_	5/11/22 17:20	EB3	
0511F0000023.D	4316062	S/39301	MSD	50		GCSFAKNW8015-050922_	5/11/22 17:32	EB3	
0511F0000024.D	10607127001	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 17:43	EB3	
0511F0000025.D	10607127002	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 17:54	EB3	
0511F0000026.D	10607127003	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 18:06	EB3	
0511F0000027.D	10607127004	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 18:17	EB3	
0511F0000028.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 18:28	EB3	Pass 15% for all ranges
0511F0000029.D	4316005	/39309	Sample	1		GCSFAKNW8015-050922_	5/11/22 18:40	EB3	ok
0511F0000030.D	10607365004	S/39309	Sample	100		GCSFAKNW8015-050922_	5/11/22 18:51	EB3	
0511F0000031.D	10607365012	S/39309	Sample	100		GCSFAKNW8015-050922_	5/11/22 19:02	EB3	
0511F0000032.D	10607365006	S/39309	Sample	20		GCSFAKNW8015-050922_	5/11/22 19:14	EB3	
0511F0000033.D	10607365010	S/39309	Sample	100		GCSFAKNW8015-050922_	5/11/22 19:25	EB3	
0511F0000034.D	10606997001	S/39308	Sample	10		GCSFAKNW8015-050922_	5/11/22 19:36	EB3	
0511F0000035.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 19:47	EB3	Pass 15% for all ranges
0511F0000036.D	4316165	L/39327	Blank	1		GCSFAKNW8015-050922_	5/11/22 19:59	EB3	ok
0511F0000037.D	4316166	L/39327	LCS	1		GCSFAKNW8015-050922_	5/11/22 20:10	EB3	pass
0511F0000038.D	4316167	L/39327	LCSD	1		GCSFAKNW8015-050922_	5/11/22 20:21	EB3	pass
0511F0000039.D	10607446001	L/39327	Sample	10		GCSFAKNW8015-050922_	5/11/22 20:33	EB3	rr 1X
0511F0000040.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 20:44	EB3	Pass 15% for all ranges
0511F0000041.D	4310138	L/39317	Blank	1		GCSFAKNW8015-050922_	5/11/22 20:55	EB3	ok
0511F0000042.D	4310139	L/39317	LCS	1		GCSFAKNW8015-050922_	5/11/22 21:07	EB3	pass
0511F0000043.D	4310140	L/39317	LCSD	1		GCSFAKNW8015-050922_	5/11/22 21:18	EB3	pass
0511F0000044.D	10606561001	L/39317	Sample	1		GCSFAKNW8015-050922_	5/11/22 21:29	EB3	
0511F0000045.D	4310141	L/39317	Dupe	1		GCSFAKNW8015-050922_	5/11/22 21:41	EB3	
0511F0000046.D	10606563001	L/39317	Sample	1		GCSFAKNW8015-050922_	5/11/22 21:52	EB3	

Pace Analytical™

Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot:

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0511F0000047.D	DMO-CCV,363721	/39289	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:03	EB3	Pass 15% for all ranges
0511F0000048.D	4316763	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:14	EB3	hit in MB, rr to confirm
0511F0000049.D	4316764	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:26	EB3	rr
0511F0000050.D	4316765	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:37	EB3	|
0511F0000051.D	10607576002	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:48	EB3	|
0511F0000052.D	4316766	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:00	EB3	|
0511F0000053.D	10607576003	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:11	EB3	|
0511F0000054.D	10607576004	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:22	EB3	|
0511F0000055.D	10607576005	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:33	EB3	|
0511F0000056.D	10607576006	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:45	EB3	|
0511F0000057.D	10607576007	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:56	EB3	|
0511F0000058.D	10607576008	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:07	EB3	|
0511F0000059.D	10607576009	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:19	EB3	|
0511F0000060.D	10607576010	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:30	EB3	|
0511F0000061.D	10607576011	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:41	EB3	V
0511F0000062.D	DMO-CCV,363721	/39289	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:52	EB3	Pass 15% for all ranges
0511F0000063.D	4310214	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 01:04	EB3	ok
0511F0000064.D	4310215	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 01:15	EB3	pass
0511F0000065.D	10606565003	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 01:26	EB3	
0511F0000066.D	10606560001	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 01:38	EB3	rr 5X
0511F0000067.D	10606565004	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 01:49	EB3	rr 1X
0511F0000068.D	10606565005	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 02:00	EB3	rr 1X
0511F0000069.D	10606565006	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 02:12	EB3	rr 1X
0511F0000070.D	10606560002	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 02:23	EB3	
0511F0000071.D	10606560003	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 02:34	EB3	
0511F0000072.D	4310216	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 02:45	EB3	
0511F0000073.D	4310217	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 02:57	EB3	
0511F0000074.D	10606565001	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 03:08	EB3	
0511F0000075.D	10606565002	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 03:19	EB3	
0511F0000076.D	DMO-CCV,363721	/39289	Sample	1		GCSFAKNW8015-050922_	5/12/22 03:31	EB3	Pass 15% for all ranges
0511F0000077.D	PBLK,4305172	/	Sample	1		GCSFAKNW8015-050922_	5/12/22 03:42	EB3	clean

Check Maintenance Items Performed:

Changed septum	Clipped column	Changed column - Lot #
Cleaned liner	Changed trap - Lot #	Other minor parts replaced
Replaced/Cleaned gold seal	Cleaned MS Source	No maintenance performed today

Additional Comments:

File Path 1: \\V10WINTARGET\CHEM\10GCSF.I\051122F.B
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Run order verified:

Report Date: 05/12/2022 10:42
Reviewed By/Date:

SAMPLE NO.

FD02-042722-0-10

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Lab Sample ID: 10606395001 Percent Moisture: 51.4

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic	0.53	J	mg/kg	1	05/05/2022 19:27
7440-43-9	Cadmium	ND	U	mg/kg	1	05/05/2022 19:27
7440-47-3	Chromium	4.8		mg/kg	1	05/05/2022 19:27
7440-50-8	Copper	10.3		mg/kg	1	05/05/2022 19:27
7439-92-1	Lead	0.73	J	mg/kg	1	05/05/2022 19:27
7440-02-0	Nickel	3.5		mg/kg	1	05/05/2022 19:27
7782-49-2	Selenium	0.20	J	mg/kg	1	05/05/2022 19:27
7440-22-4	Silver	ND	U	mg/kg	1	05/05/2022 19:27
7440-66-6	Zinc	12.0		mg/kg	1	05/05/2022 19:27

SAMPLE NO.

BNSF-BG18-042722-0-10

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Lab Sample ID: 10606395002 Percent Moisture: 46.4

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic	0.54	J	mg/kg	1	05/05/2022 19:30
7440-43-9	Cadmium	ND	U	mg/kg	1	05/05/2022 19:30
7440-47-3	Chromium	5.2		mg/kg	1	05/05/2022 19:30
7440-50-8	Copper	8.3		mg/kg	1	05/05/2022 19:30
7439-92-1	Lead	0.98		mg/kg	1	05/05/2022 19:30
7440-02-0	Nickel	3.6		mg/kg	1	05/05/2022 19:30
7782-49-2	Selenium	0.18	J	mg/kg	1	05/05/2022 19:30
7440-22-4	Silver	ND	U	mg/kg	1	05/05/2022 19:30
7440-66-6	Zinc	13.6		mg/kg	1	05/05/2022 19:30

SAMPLE NO.

BNSF-BG19-042722-0-10

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Lab Sample ID: 10606395003 Percent Moisture: 23.3

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic	2.5		mg/kg	1	05/05/2022 19:34
7440-43-9	Cadmium	0.11		mg/kg	1	05/05/2022 19:34
7440-47-3	Chromium	8.5		mg/kg	1	05/05/2022 19:34
7440-50-8	Copper	7.0		mg/kg	1	05/05/2022 19:34
7439-92-1	Lead	3.6		mg/kg	1	05/05/2022 19:34
7440-02-0	Nickel	9.5		mg/kg	1	05/05/2022 19:34
7782-49-2	Selenium	0.12	J	mg/kg	1	05/05/2022 19:34
7440-22-4	Silver	ND	U	mg/kg	1	05/05/2022 19:34
7440-66-6	Zinc	52.3		mg/kg	1	05/05/2022 19:34

SAMPLE NO.

BNSF-SG03-042722-0-5.5

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Lab Sample ID: 10606395004 Percent Moisture: 29.7

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic	3.4		mg/kg	1	05/05/2022 19:38
7440-43-9	Cadmium	0.28		mg/kg	1	05/05/2022 19:38
7440-47-3	Chromium	12.9		mg/kg	1	05/05/2022 19:38
7440-50-8	Copper	18.9		mg/kg	1	05/05/2022 19:38
7439-92-1	Lead	8.8		mg/kg	1	05/05/2022 19:38
7440-02-0	Nickel	15.3		mg/kg	1	05/05/2022 19:38
7782-49-2	Selenium	0.21	J	mg/kg	1	05/05/2022 19:38
7440-22-4	Silver	ND	U	mg/kg	1	05/05/2022 19:38
7440-66-6	Zinc	60.2		mg/kg	1	05/05/2022 19:38

FORM II INORGANIC-1

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Initial Calibration Verification Source: 364486

Continuing Calibration Verification Source: 364486

Concentration Units: ug/L Instrument ID: 10ICMC

	Initial Calibration Verification				Continuing Calibration Verification						
	05/05/2022 14:38				05/05/2022 15:00			05/05/2022 18:32			Control Limit
Analyte	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	
Arsenic	80	80.8	101.0	90-110	80	80.1	100.1	80	78.5	98.1	90-110
Cadmium	80	81.0	101.3	90-110	80	80.2	100.3	80	79.2	99.1	90-110
Chromium	80	82.3	102.9	90-110	80	82.1	102.7	80	81.0	101.2	90-110
Copper	80	84.2	105.3	90-110	80	83.9	104.8	80	82.2	102.8	90-110
Lead	80	83.2	103.9	90-110	80	82.3	102.8	80	81.8	102.2	90-110
Nickel	80	84.3	105.4	90-110	80	84.0	105.0	80	81.9	102.4	90-110
Selenium	80	81.3	101.6	90-110	80	81.5	101.9	80	81.4	101.7	90-110
Silver	40	42.4	106.0	90-110	40	42.4	106.0	40	41.6	103.9	90-110
Zinc	80	82.1	102.6	90-110	80	82.3	102.9	80	80.4	100.5	90-110

FORM II INORGANIC-2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Initial Calibration Verification Source:

Continuing Calibration Verification Source: 364486

Concentration Units: ug/L Instrument ID: 10ICMC

	Continuing Calibration Verification									
	05/05/2022 19:16			05/05/2022 19:41			05/05/2022 20:29			Control Limit
Analyte	True	Found	%R	True	Found	%R	True	Found	%R	
Arsenic	80	79.4	99.3	80	79.3	99.2	80	79.4	99.2	90-110
Cadmium	80	79.8	99.8	80	79.8	99.8	80	79.8	99.7	90-110
Chromium	80	82.5	103.1	80	81.5	101.9	80	81.8	102.2	90-110
Copper	80	83.4	104.2	80	83.3	104.1	80	83.7	104.7	90-110
Lead	80	82.4	103.0	80	82.9	103.6	80	82.9	103.7	90-110
Nickel	80	82.9	103.7	80	83.0	103.7	80	83.2	104.0	90-110
Selenium	80	79.6	99.5	80	79.8	99.8	80	80.6	100.7	90-110
Silver	40	41.8	104.5	40	42.1	105.3	40	42.0	105.1	90-110
Zinc	80	81.5	101.9	80	80.9	101.2	80	82.1	102.6	90-110

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

CRDL Check Standard Source: 364485 Analysis Date/Time: 05/05/2022 14:49

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Arsenic	0.5	0.49	98.6	80-120
Cadmium	0.08	0.087	108.8	80-120
Chromium	2.0	2.1	103.6	80-120
Copper	1.0	1.1	108.1	80-120
Lead	0.5	0.53	105.6	80-120
Nickel	0.5	0.55	109.2	80-120
Selenium	0.5	0.53	105.8	80-120
Silver	0.5	0.42	84.6	80-120
Zinc	5.0	5.3	106.1	80-120

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

CRDL Check Standard Source: 364485 Analysis Date/Time: 05/05/2022 19:49

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Arsenic	0.5	0.48	95.4	80-120
Cadmium	0.08	0.078	97.5	80-120
Chromium	2.0	2.0	101.1	80-120
Copper	1.0	1.1	106.9	80-120
Lead	0.5	0.52	103.8	80-120
Nickel	0.5	0.53	106.0	80-120
Selenium	0.5	0.50	100.6	80-120
Silver	0.5	0.45	90.6	80-120
Zinc	5.0	5.3	105.3	80-120

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract : D3593500

Method Blank Matrix: Solid Instrument ID: 10ICMC

Method Blank Concentration Units: mg/kg

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Method Blank	
	05/05/2022 14:45	C	05/05/2022 15:04	C	05/05/2022 18:35	C	05/05/2022 19:19	C	4308596	C
Arsenic	0.11	U	0.11	U	0.11	U	0.11	U	ND	U
Cadmium	0.031	U	0.031	U	0.048	J	0.037	J	ND	U
Chromium	0.14	U	0.14	U	0.14	U	0.14	U	ND	U
Copper	0.24	U	0.24	U	0.24	U	0.24	U	ND	U
Lead	0.029	U	0.029	U	0.045	J	0.034	J	ND	U
Nickel	0.20	U	0.20	U	0.20	U	0.20	U	ND	U
Selenium	0.086	U	0.086	U	0.086	U	0.086	U	ND	U
Silver	0.14	U	0.14	U	0.19	J	0.18	J	ND	U
Zinc	0.90	U	0.90	U	0.90	U	0.90	U	1.0	J

FORM III INORGANIC-2

BLANKS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract : D3593500

Method Blank Matrix: Instrument ID: 10ICMC

Method Blank Concentration Units:

Analyte	Initial Calibration Blank		Continuing Calibration Blank (ug/L)					
		C	05/05/2022 19:45	C	05/05/2022 20:33	C		C
Arsenic			0.11	U	0.11	U		
Cadmium			0.031	U	0.031	U		
Chromium			0.14	U	0.14	U		
Copper			0.24	U	0.24	U		
Lead			0.029	U	0.029	U		
Nickel			0.20	U	0.20	U		
Selenium			0.086	U	0.086	U		
Silver			0.16	J	0.17	J		
Zinc			0.90	U	0.90	U		

FORM IV INORGANIC-1
INTERFERENCE CHECK SAMPLE

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Instrument ID: 10ICMC Solution A Run Date: 05/05/2022 14:52

ICS Source: 364484,364483 Solution AB Run Date: 05/05/2022 14:56

Concentration Units: ug/L

Analyte	True		Found				
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Limits
Aluminum	25000	27500	24861.832	99.4	27234.917	99	80-120
Arsenic		100	0.016		100.196	100.2	80-120
Cadmium		100	-0.001		100.802	100.8	80-120
Calcium	25000	27500	24766.638	99.1	27540.707	100.1	80-120
Chromium		100	0.236		101.06	101.1	80-120
Copper		100	0.077		101.324	101.3	80-120
Iron	25000	26250	25154.634	100.6	26308.773	100.2	80-120
Lead		100	0.014		99.69	99.7	80-120
Magnesium	25000	27500	24800.339	99.2	27126.21	98.6	80-120
Molybdenum	500	600	513.805	102.8	622.689	103.8	80-120
Nickel		100	0.061		102.917	102.9	80-120
Potassium	25000	27500	24962.212	99.8	27554.434	100.2	80-120
Selenium		100	0.018		100.518	100.5	80-120
Silver		50	0.034		51.867	103.7	80-120
Sodium	25000	27500	25108.44	100.4	27575.468	100.3	80-120
Titanium	500	600	499.894	100	598.164	99.7	80-120
Zinc		100	0.188		101.163	101.2	80-120

SAMPLE NO.

4308598MS

FORM V INORGANIC-1

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Matrix: Solid Basis: Dry Parent Sample ID: 10606046001

Percent Moisture: 27.7

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Arsenic	mg/kg	75-125	64.4	2.1	66.3	94
Cadmium	mg/kg	75-125	62.7	0.089J	66.3	94
Chromium	mg/kg	75-125	73.8	8.2	66.3	99
Copper	mg/kg	75-125	73.2	7.7	66.3	99
Lead	mg/kg	75-125	93.2	3.6	66.3	135*
Nickel	mg/kg	75-125	75.5	9.3	66.3	100
Selenium	mg/kg	75-125	65.1	ND	66.3	98
Silver	mg/kg	75-125	33.3	0.26J	33.2	100
Zinc	mg/kg	75-125	97.9	32.3	66.3	99

* Spike Recovery outside QC Limits

SAMPLE NO.

4308599MSD

FORM V INORGANIC-2

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Matrix: Solid Basis: Dry Parent Sample ID: 10606046001

Percent Moisture: 27.7

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Arsenic	mg/kg	75-125	59.1	2.1	68.1	84
Cadmium	mg/kg	75-125	57.4	0.089J	68.1	84
Chromium	mg/kg	75-125	67.7	8.2	68.1	87
Copper	mg/kg	75-125	66.8	7.7	68.1	87
Lead	mg/kg	75-125	62.6	3.6	68.1	87
Nickel	mg/kg	75-125	69.4	9.3	68.1	88
Selenium	mg/kg	75-125	60.9	ND	68.1	89
Silver	mg/kg	75-125	30.6	0.26J	34.0	89
Zinc	mg/kg	75-125	89.2	32.3	68.1	84

SAMPLE NO.

4310748PDS

FORM V INORGANIC-1

POST-DIGESTION SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Matrix: Solid Parent Sample ID: 10606046001

Analyte	Units	Control Limit %R	DF	Spiked Sample Result (SSR)	DF	Sample Result (SR)	Spike Added (SA)	%R
Arsenic	ug/L	80-120	1	73.7	1	2.2U	80	92.2
Cadmium	ug/L	80-120	1	73.0	1	0.63U	80	91.2
Chromium	ug/L	80-120	1	79.9	1	6.1J	80	92.2
Copper	ug/L	80-120	1	80.7	1	5.8J	80	93.6
Lead	ug/L	80-120	1	76.6	1	2.7J	80	92.4
Nickel	ug/L	80-120	1	82.4	1	7.0J	80	94.3
Selenium	ug/L	80-120	1	76.9	1	1.7U	80	96.2
Silver	ug/L	80-120	1	15.1	1	2.9U	40	37.8*
Zinc	ug/L	80-120	1	99.2J	1	24.3J	80	93.6

SAMPLE NO.

4308599MSD

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Matrix: Solid Concentration Units: mg/kg

Percent Moisture: 27.7 Basis: Dry

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Arsenic	20	64.4	59.1	9
Cadmium	20	62.7	57.4	9
Chromium	20	73.8	67.7	9
Copper	20	73.2	66.8	9
Lead	20	93.2	62.6	39*
Nickel	20	75.5	69.4	8
Selenium	20	65.1	60.9	7
Silver	20	33.3	30.6	8
Zinc	20	97.9	89.2	9

* RPD outside QC Limits

SAMPLE NO.

4308597LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Matrix: Solid

Analyte	Units	True	Found	%R	Limits	
Arsenic	mg/kg	49.2	44.3	90	80	120
Cadmium	mg/kg	49.2	44.3	90	80	120
Chromium	mg/kg	49.2	45.7	93	80	120
Copper	mg/kg	49.2	46.2	94	80	120
Lead	mg/kg	49.2	45.6	93	80	120
Nickel	mg/kg	49.2	46.6	95	80	120
Selenium	mg/kg	49.2	48.4	98	80	120
Silver	mg/kg	24.6	23.6	96	80	120
Zinc	mg/kg	49.2	45.5	92	80	120

SAMPLE NO.

4310749SD

FORM VIII INORGANIC-1
SERIAL DILUTIONS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Matrix: Solid Parent Sample ID: 10606046001

Analyte	Units	Initial Sample Result	Serial Dilution Result	% Difference	Control Limit %D
Arsenic	ug/L	2.2U	10.9U		10
Cadmium	ug/L	0.63U	3.1U		10
Chromium	ug/L	6.1J	14.0U		10
Copper	ug/L	5.8J	24.2U		10
Lead	ug/L	2.7J	2.9U		10
Nickel	ug/L	7.0J	19.9U		10
Selenium	ug/L	1.7U	8.6U		10
Silver	ug/L	2.9U	14.5U		10
Zinc	ug/L	24.3J	89.9U		10

* Indicates that the % Difference exceeds the control limit.
No difference is calculated if either result is a non-detect.

FORM IX INORGANIC-1
INSTRUMENT DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Preparation Method: None Instrument ID: 10ICMC

Concentration Units: ug/L

Analyte	PQL	IDL	IDL Date
Arsenic	0.50	0.11	04/01/2022
Cadmium	0.080	0.031	04/01/2022
Chromium	2.0	0.14	04/01/2022
Copper	1.0	0.24	04/01/2022
Lead	0.50	0.029	04/01/2022
Nickel	0.50	0.20	04/01/2022
Selenium	0.50	0.086	04/01/2022
Silver	0.50	0.14	04/01/2022
Zinc	5.0	0.90	04/01/2022

FORM IX INORGANIC-2
METHOD DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Preparation Method: EPA 3050B Instrument ID: 10ICMC

Concentration Units: mg/kg

Analyte	PQL	MDL	MDL Date
Arsenic	0.50	0.11	07/19/2021
Cadmium	0.080	0.031	07/19/2021
Chromium	2.0	0.14	07/19/2021
Copper	1.0	0.24	07/19/2021
Lead	0.50	0.029	07/19/2021
Nickel	0.50	0.20	07/19/2021
Selenium	0.50	0.086	07/19/2021
Silver	0.50	0.14	07/19/2021
Zinc	5.0	0.90	07/19/2021

FORM XI - INORGANIC-1
LINEAR DYNAMIC RANGES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract : D3593500

Instrument ID: 10ICMC Effective Date:04/26/2022

Analyte	Concentration (ug/L)
Arsenic	450
Cadmium	450
Chromium	450
Copper	450
Lead	450
Nickel	450
Selenium	450
Silver	225
Zinc	450

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Preparation Method: EPA 3050B Batch: MPRP 123945

Lab Sample ID	Sample Name	Preparation Date	Initial Weight (g)	Final Volume (mL)
4308596	4308596	05/03/2022	1.067	50
4308597	4308597	05/03/2022	1.016	50
4308598	4308598	05/03/2022	1.043	50
4308599	4308599	05/03/2022	1.017	50
10606395001	FD02-042722-0-10	05/03/2022	1.05	50
10606395002	BNSF-BG18-042722-0-10	05/03/2022	1.085	50
10606395003	BNSF-BG19-042722-0-10	05/03/2022	1.02	50
10606395004	BNSF-SG03-042722-0-5.5	05/03/2022	1.031	50

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Instrument ID: 10ICMC Analysis Method: EPA 6020B

Start Date: 05/05/2022 14:00 End Date: 05/05/2022 20:33

Sample Name	Lab Sample ID	D/F	Date	Time	Ag	As	Cd	Cr	Cu	Ni	Pb	Se	Zn
29907792CAL0	29907792CAL0	1	05/05/2022	14:00	X	X	X	X	X	X	X	X	X
29907793CAL1	29907793CAL1	1	05/05/2022	14:04	X	X	X	X	X	X	X	X	X
29907794CAL2	29907794CAL2	1	05/05/2022	14:08	X	X	X	X	X	X	X	X	X
29907795CAL3	29907795CAL3	1	05/05/2022	14:12	X	X	X	X	X	X	X	X	X
29907796CAL4	29907796CAL4	1	05/05/2022	14:16	X	X	X	X	X	X	X	X	X
29907797CAL5	29907797CAL5	1	05/05/2022	14:20	X	X	X	X	X	X	X	X	X
29907798CAL6	29907798CAL6	1	05/05/2022	14:24	X	X	X	X	X	X	X	X	X
29907799CAL7	29907799CAL7	1	05/05/2022	14:30	X	X	X	X	X	X	X	X	X
29907800ICV	29907800ICV	1	05/05/2022	14:38	X	X	X	X	X	X	X	X	X
29907801ICB	29907801ICB	1	05/05/2022	14:45	X	X	X	X	X	X	X	X	X
29907802CRDL	29907802CRDL	1	05/05/2022	14:49	X	X	X	X	X	X	X	X	X
29907803ICSA	29907803ICSA	1	05/05/2022	14:52	X	X	X	X	X	X	X	X	X
29907804ICSAB	29907804ICSAB	1	05/05/2022	14:56	X	X	X	X	X	X	X	X	X
29907805CCV	29907805CCV	1	05/05/2022	15:00	X	X	X	X	X	X	X	X	X
29907806CCB	29907806CCB	1	05/05/2022	15:04	X	X	X	X	X	X	X	X	X
29907816CCV	29907816CCV	1	05/05/2022	18:32	X	X	X	X	X	X	X	X	X
29907817CCB	29907817CCB	1	05/05/2022	18:35	X	X	X	X	X	X	X	X	X
4308596BLANK	4308596	1	05/05/2022	18:39	X	X	X	X	X	X	X	X	X
4308597LCS	4308597	1	05/05/2022	18:43	X	X	X	X	X	X	X	X	X
10606046001	10606046001	1	05/05/2022	18:46	X	X	X	X	X	X	X	X	X
4310748PDS	4310748	1	05/05/2022	18:50	X	X	X	X	X	X	X	X	X
4310749SD	4310749	5	05/05/2022	18:54	X	X	X	X	X	X	X	X	X
4308598MS	4308598	1	05/05/2022	18:57	X	X	X	X	X	X	X	X	X
4308599MSD	4308599	1	05/05/2022	19:01	X	X	X	X	X	X	X	X	X
29907818CCV	29907818CCV	1	05/05/2022	19:16	X	X	X	X	X	X	X	X	X
29907819CCB	29907819CCB	1	05/05/2022	19:19	X	X	X	X	X	X	X	X	X
FD02-042722-0-10	10606395001	1	05/05/2022	19:27	X	X	X	X	X	X	X	X	X
BNSF-BG18-042722-0-10	10606395002	1	05/05/2022	19:30	X	X	X	X	X	X	X	X	X
BNSF-BG19-042722-0-10	10606395003	1	05/05/2022	19:34	X	X	X	X	X	X	X	X	X
BNSF-SG03-042722-0-5.5	10606395004	1	05/05/2022	19:38	X	X	X	X	X	X	X	X	X
29907820CCV	29907820CCV	1	05/05/2022	19:41	X	X	X	X	X	X	X	X	X
29907821CCB	29907821CCB	1	05/05/2022	19:45	X	X	X	X	X	X	X	X	X
29907822CRDL	29907822CRDL	1	05/05/2022	19:49	X	X	X	X	X	X	X	X	X
29907823CCV	29907823CCV	1	05/05/2022	20:29	X	X	X	X	X	X	X	X	X
29907824CCB	29907824CCB	1	05/05/2022	20:33	X	X	X	X	X	X	X	X	X

US EPA 200.8/6020 Tune Check Report

Acq/Data Batch	D:\DATA\050522.b
Report Comment	ICMC RJS
Instrument Name	G8403A SG19304531

[He]

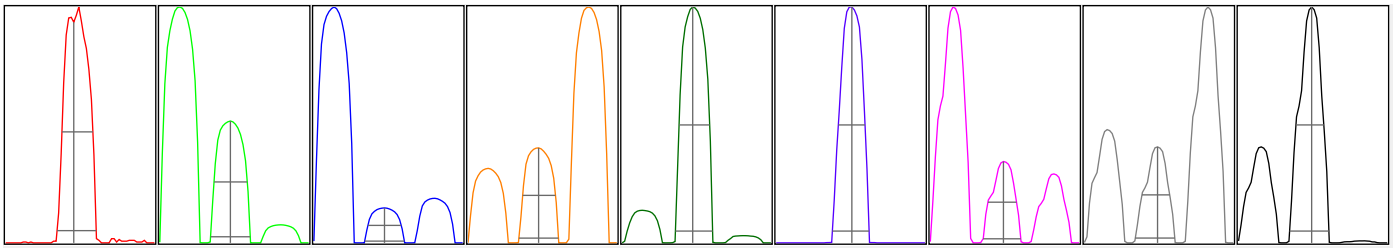
Sensitivity

Mass	Count	RSD%	RSD%(Rqd)	RSD%(Flag)
9	32	3.980	5.000	
24	17381	1.228	5.000	
25	2564	0.751	5.000	
26	3238	1.262	5.000	
59	10772	0.340	5.000	
115	314290	1.692	5.000	
206	9303	2.739	5.000	
207	7771	3.012	5.000	
208	19163	2.843	5.000	

Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
32	34	32	30	32
17688	17434	17423	17207	17151
2598	2557	2557	2553	2554
3277	3241	3253	3248	3169
10728	10745	10819	10792	10774
307624	312789	321564	312172	317299
8910	9196	9397	9543	9470
7420	7679	7810	7923	8022
18361	18929	19249	19516	19760

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)	W-5%	W-5% (Required)	W-5% (Flag)
9	52.45	8.90	8.90 - 9.10		0.776	0.900	
24	27558.19	23.95	23.90 - 24.10		0.788	0.900	
25	4082.47	24.95	24.90 - 25.10		0.787	0.900	
26	5205.52	25.95	25.90 - 26.10		0.786	0.900	
59	18531.29	58.95	58.90 - 59.10		0.737	0.900	
115	603970.78	115.05	114.90 - 115.10		0.729	0.900	
206	17772.12	206.00	205.90 - 206.10		0.748	0.900	
207	15061.63	207.00	206.90 - 207.10		0.783	0.900	
208	37005.46	208.00	207.90 - 208.10		0.779	0.900	

Integration Time [sec] 0.1 Acquisition Time [sec] 212.5 Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.78 L/min	Dilution Gas	0.15 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.20 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	7.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	14.2 V	Deflect	2.0 V
Extract 2	-210.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-115 V	Cell Exit	-70 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V
He Flow	4.5 mL/min	OctP Bias	-18.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

US EPA 200.8/6020 Tune Check Report

Acq/Data Batch	D:\DATA\050522.b
Report Comment	ICMC RJS
Instrument Name	G8403A SG19304531

[H2]

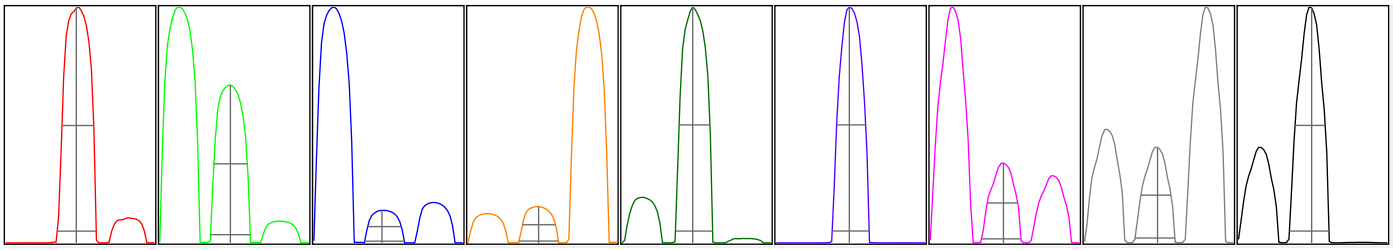
Sensitivity

Mass	Count	RSD%	RSD%(Rqd)	RSD%(Flag)
9	388	1.037	5.000	
24	170556	0.215	5.000	
25	23566	0.264	5.000	
26	28720	0.304	5.000	
59	13407	0.868	5.000	
115	780988	1.088	5.000	
206	11188	1.818	5.000	
207	9412	1.737	5.000	
208	23147	1.881	5.000	

Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
386	392	391	388	382
170565	170093	170996	170819	170306
23650	23612	23501	23534	23531
28659	28869	28729	28672	28672
13286	13310	13577	13431	13433
768715	778567	780073	790978	786608
10894	11121	11174	11423	11328
9209	9326	9413	9648	9464
22622	22817	23184	23693	23420

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)	W-5%	W-5% (Required)	W-5% (Flag)
9	638.80	8.95	8.90 - 9.10		0.775	0.900	
24	269211.28	23.95	23.90 - 24.10		0.788	0.900	
25	37076.22	24.90	24.90 - 25.10		0.788	0.900	
26	46087.69	25.95	25.90 - 26.10		0.786	0.900	
59	23134.16	58.95	58.90 - 59.10		0.737	0.900	
115	1433422.03	115.00	114.90 - 115.10		0.734	0.900	
206	20140.06	206.00	205.90 - 206.10		0.783	0.900	
207	16903.58	207.00	206.90 - 207.10		0.790	0.900	
208	41614.48	208.00	207.90 - 208.10		0.786	0.900	

Integration Time [sec] 0.1 Acquisition Time [sec] 212.5 Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.78 L/min	Dilution Gas	0.15 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.20 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	7.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	14.2 V	Deflect	3.4 V
Extract 2	-210.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-115 V	Cell Exit	-70 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V
He Flow	0.0 mL/min	OctP Bias	-18.0 V		
H2 Flow	3.5 mL/min	OctP RF	200 V		

FORM XV INORGANIC-1

INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

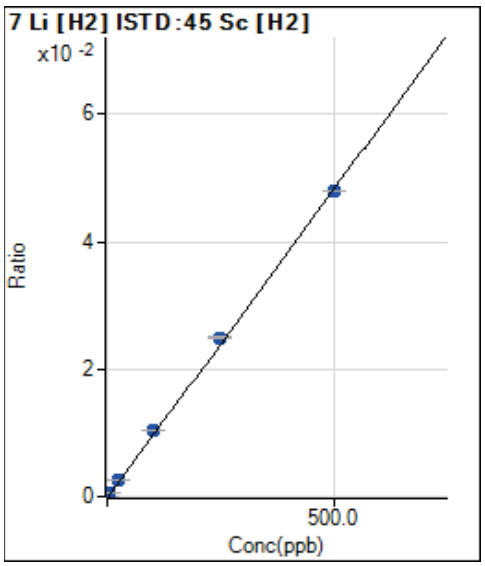
Instrument ID: 10ICMC Start Date: 05/05/2022 14:00 End Date: 05/05/2022 20:33

Sample Name	Time	GE-72	Ge-72-IS1	In-115	Ir-193-IS	Sc-45-IS	Sc-45-IS1	Tb-159
29907792CAL0	14:00	100.0	100.0	100.0	100.0	100.0	100.0	100.0
29907793CAL1	14:04	100.2	99.7	100.3	100.1	100.5	100.4	101.0
29907794CAL2	14:08	99.7	97.9	101.4	100.4	99.6	99.0	101.7
29907795CAL3	14:12	99.7	98.4	101.1	98.8	98.6	97.7	100.9
29907796CAL4	14:16	97.3	97.0	97.9	96.6	95.8	96.0	99.1
29907797CAL5	14:20	97.2	97.2	96.9	97.7	96.0	97.6	100.0
29907798CAL6	14:24	97.7	98.4	96.7	96.6	97.0	100.2	100.1
29907799CAL7	14:30	97.8	102.4	96.2	98.5	97.0	104.4	101.3
29907800ICV	14:38	105.3	104.6	106.5	105.6	104.1	104.3	106.4
29907801ICB	14:45	103.0	99.1	104.1	100.5	103.6	99.9	102.1
29907802CRDL	14:49	103.3	102.9	103.8	100.2	104.0	103.7	102.3
29907803ICSA	14:52	96.9	99.3	97.2	96.0	97.3	99.6	98.6
29907804ICSAB	14:56	99.7	102.3	97.6	97.2	99.4	102.7	100.3
29907805CCV	15:00	104.7	104.8	104.7	100.4	103.9	105.2	103.5
29907806CCB	15:04	103.6	104.9	103.3	101.0	103.2	105.2	102.6
29907816CCV	18:32	99.7	96.9	100.8	99.4	97.9	96.8	100.6
29907817CCB	18:35	96.5	97.1	98.7	98.9	94.8	96.5	99.2
4308596	18:39	94.6	96.4	97.6	98.6	93.1	96.2	98.6
4308597	18:43	95.3	95.6	97.0	97.3	93.7	94.5	98.8
10606046001	18:46	93.6	93.3	96.7	98.2	92.9	92.8	99.8
4310748	18:50	92.9	93.7	94.3	96.8	91.3	93.0	98.5
4310749	18:54	93.5	94.9	96.1	98.2	91.6	94.7	98.3
4308598	18:57	93.3	94.6	94.9	97.0	91.5	93.6	98.0
4308599	19:01	93.3	93.9	94.9	97.0	91.3	93.2	98.4
29907818CCV	19:16	96.7	94.9	99.0	99.1	93.8	94.5	100.0
29907819CCB	19:19	95.0	95.6	98.0	99.2	93.1	95.1	99.0
FD02-042722-0-10	19:27	92.6	94.0	96.2	98.5	90.8	93.5	98.7
BNSF-BG18-042722-0-	19:30	92.1	92.7	96.1	99.0	90.3	92.6	98.8
BNSF-BG19-042722-0-	19:34	92.6	92.6	95.2	98.8	90.4	92.9	98.5
BNSF-SG03-042722-0-	19:38	91.9	93.4	95.1	97.8	90.6	93.3	97.7
29907820CCV	19:41	96.1	95.2	98.2	98.4	94.1	94.9	99.6
29907821CCB	19:45	95.6	96.2	98.8	100.0	94.0	95.2	100.1
29907822CRDL	19:49	96.6	96.6	99.2	99.3	95.3	96.4	99.9
29907823CCV	20:29	97.5	96.9	99.5	98.5	96.2	96.3	99.7
29907824CCB	20:33	96.0	96.2	98.9	100.1	94.8	95.8	100.0

Calibration for 182SMPL.d

Batch Folder: D:\DATA\050522B.b\
Analysis File: 050522B.batch.bin
DA Date-Time: 05/06/22 01:09:42
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

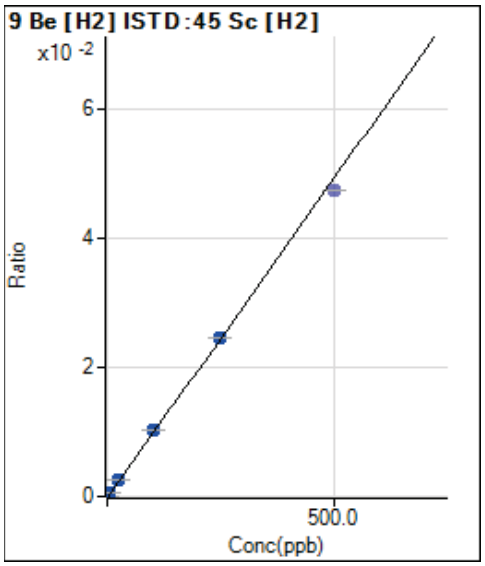
Level	Standard Data File	Sample Name	Acq. Date-Time
1	005CALB.d	CAL0	05/05/22 14:00:47
2	006CALS.d	CAL1	05/05/22 14:04:58
3	007CALS.d	CAL2	05/05/22 14:08:51
4	008CALS.d	CAL3	05/05/22 14:12:44
5	009CALS.d	CAL4	05/05/22 14:16:36
6	010CALS.d	CAL5	05/05/22 14:20:26
7	011CALS.d	CAL6	05/05/22 14:24:12
8	012CALS.d	CAL7	05/05/22 14:30:29



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	69.17	0.0000	P	2.4	
2	☐	0.500	0.570	342.83	0.0001	P	3.1	14.1
3	☐	5.000	5.551	2692.41	0.0006	P	1.9	11.0
4	☐	25.000	27.750	13005.57	0.0027	P	1.2	11.0
5	☐	100.000	107.666	49396.59	0.0105	P	0.5	7.7
6	☐	250.000	257.478	120037.24	0.0250	P	0.6	3.0
7	☐	500.000	494.585	236761.79	0.0480	P	0.3	-1.1
8	☐			206.00	0.0000	P	3.9	

y = 9.6949E-005 * x + 1.4045E-005
R = 0.9997
DL = 0.01064 ppb
BEC = 0.1449 ppb

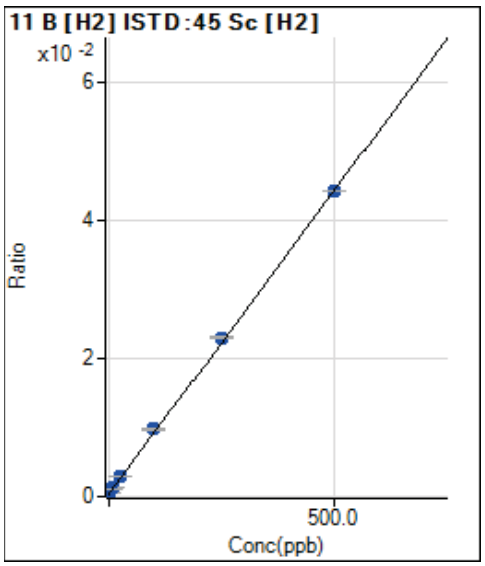
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	11.33	0.0000	P	10.9	
2	☐	0.200	0.218	118.00	0.0000	P	4.3	8.9
3	☐	5.000	5.389	2614.23	0.0005	P	1.3	7.8
4	☐	25.000	27.060	12903.98	0.0027	P	0.2	8.2
5	☐	100.000	103.524	48481.78	0.0103	P	0.6	3.5
6	☐	250.000	248.377	118275.01	0.0246	P	0.6	-0.6
7	☑	500.000		234246.43	0.0475	P	0.4	
8	☐			110.50	0.0000	P	9.3	

y = 9.9073E-005 * x + 2.3009E-006
R = 0.9998
DL = 0.007579 ppb
BEC = 0.02322 ppb

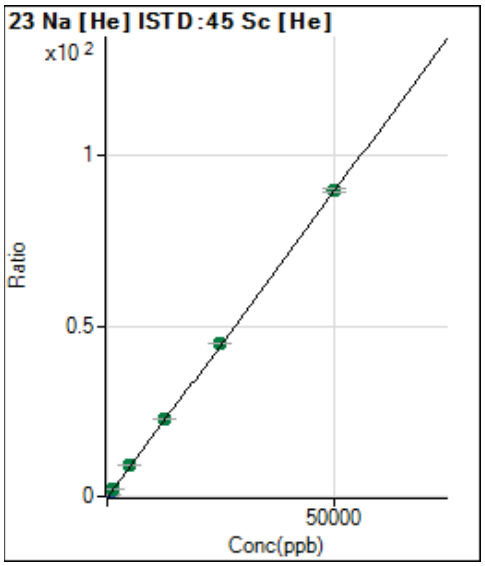
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2723.41	0.0006	P	1.0	
2	☐	10.000	10.174	7157.03	0.0014	P	1.3	1.7
3	☐	5.000	4.828	4766.42	0.0010	P	1.0	-3.4
4	☐	25.000	26.375	13814.63	0.0029	P	0.5	5.5
5	☐	100.000	104.443	46020.89	0.0097	P	0.8	4.4
6	☐	250.000	255.114	110483.09	0.0230	P	0.5	2.0
7	☐	500.000	496.484	218257.26	0.0442	P	0.3	-0.7
8	☐			3142.16	0.0006	P	1.3	

y = 8.7942E-005 * x + 5.5300E-004
R = 0.9999
DL = 0.1882 ppb
BEC = 6.288 ppb

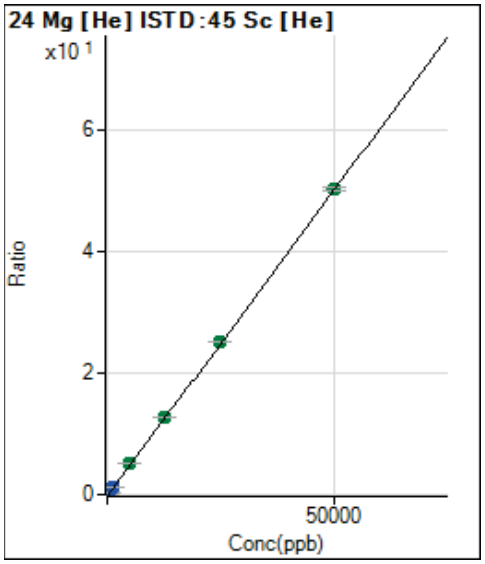
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	11617.92	0.0189	P	3.0	
2	☐	50.000	54.912	72749.51	0.1175	P	0.5	9.8
3	☐	250.000	273.745	313328.63	0.5108	P	0.6	9.5
4	☐	1250.000	1327.663	1461048.57	2.4046	A	0.6	6.2
5	☐	5000.000	5176.978	5504088.04	9.3216	A	0.6	3.5
6	☐	12500.00	12630.31	13428051.88	22.7148	A	0.5	1.0
7	☐	25000.00	24943.71	26802559.60	44.8413	A	0.3	-0.2
8	☐	50000.00	49975.80	53685932.54	89.8225	A	0.7	0.0

y = 0.0018 * x + 0.0189
R = 1.0000
DL = 0.9502 ppb
BEC = 10.5 ppb

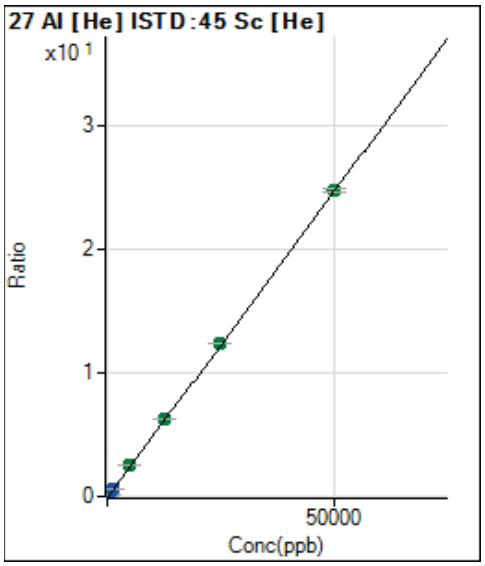
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1505.09	0.0024	P	5.5	
2	☐	30.000	30.796	20747.84	0.0335	P	0.4	2.7
3	☐	250.000	267.572	167147.16	0.2725	P	1.4	7.0
4	☐	1250.000	1335.586	820443.22	1.3503	P	1.2	6.8
5	☐	5000.000	5205.856	3103459.33	5.2560	A	1.0	4.1
6	☐	12500.00	12657.76	7552746.76	12.7762	A	0.8	1.3
7	☐	25000.00	24937.59	15043746.45	25.1685	A	0.3	-0.2
8	☐	50000.00	49968.94	30140342.88	50.4291	A	0.9	-0.1

y = 0.0010 * x + 0.0024
R = 1.0000
DL = 0.3965 ppb
BEC = 2.421 ppb

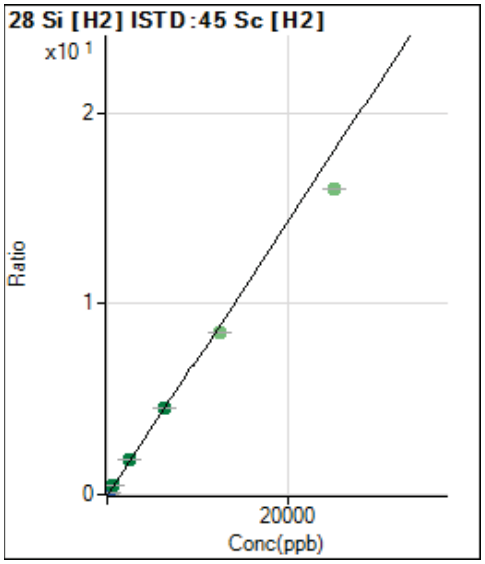
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	74.67	0.0001	P	16.0	
2	☐	30.000	31.547	9736.18	0.0157	P	0.5	5.2
3	☐	250.000	266.007	80812.17	0.1317	P	0.6	6.4
4	☐	1250.000	1328.054	399322.79	0.6572	P	0.8	6.2
5	☐	5000.000	5190.920	1516561.69	2.5684	A	1.0	3.8
6	☐	12500.00	12622.33	3691954.00	6.2453	A	0.6	1.0
7	☐	25000.00	24899.74	7363820.67	12.3198	A	0.2	-0.4
8	☐	50000.00	49998.42	14785661.67	24.7379	A	0.7	0.0

y = 4.9477E-004 * x + 1.2136E-004
R = 1.0000
DL = 0.1178 ppb
BEC = 0.2453 ppb

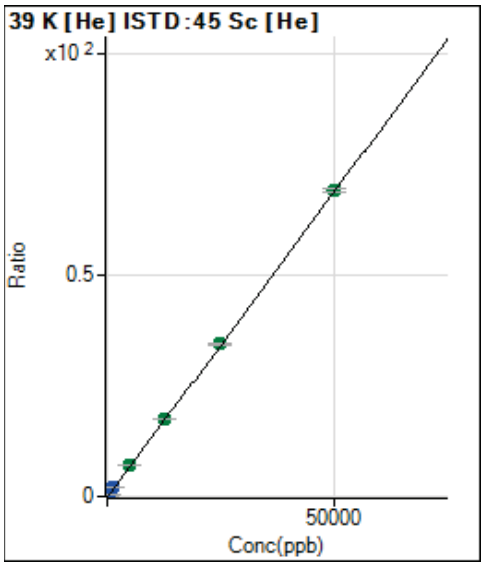
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	14225.96	0.0029	P	7.3	
2	☐	100.000	101.004	375014.95	0.0759	P	0.8	1.0
3	☐	125.000	131.108	475924.05	0.0976	P	0.5	4.9
4	☐	625.000	662.551	2315872.83	0.4815	A	0.4	6.0
5	☐	2500.000	2573.561	8800586.00	1.8622	A	0.4	2.9
6	☐	6250.000	6216.682	21599221.33	4.4941	A	0.1	-0.5
7	☑	12500.00		41976410.67	8.5037	A	0.3	
8	☑	25000.00		82245138.67	16.0017	A	0.4	

y = 7.2245E-004 * x + 0.0029
R = 0.9999
DL = 0.8751 ppb
BEC = 3.998 ppb

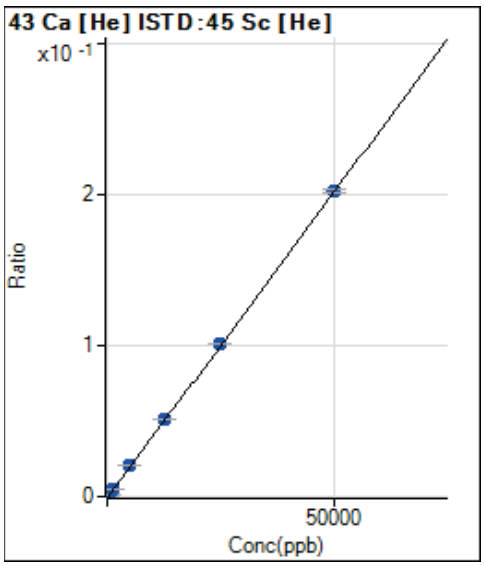
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	75312.55	0.1223	P	1.1	
2	☐	100.000	104.237	164780.86	0.2662	P	0.4	4.2
3	☐	250.000	262.809	297669.74	0.4852	P	0.5	5.1
4	☐	1250.000	1311.465	1174865.04	1.9336	P	0.7	4.9
5	☐	5000.000	5109.309	4239085.41	7.1792	A	0.3	2.2
6	☐	12500.00	12497.62	10276584.22	17.3838	A	0.4	0.0
7	☐	25000.00	24843.86	20583217.61	34.4362	A	0.6	-0.6
8	☐	50000.00	50066.12	41403626.88	69.2728	A	0.7	0.1

y = 0.0014 * x + 0.1223
R = 1.0000
DL = 2.845 ppb
BEC = 88.52 ppb

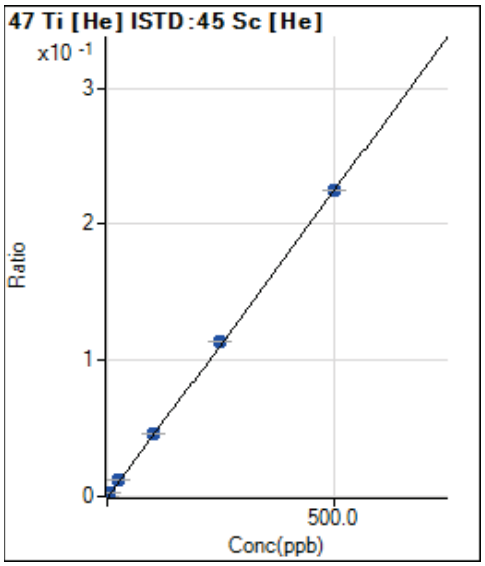
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	18.58	0.0000	P	15.5	
2	☐	100.000	91.410	248.27	0.0004	P	2.4	-8.6
3	☐	250.000	255.191	653.74	0.0011	P	2.7	2.1
4	☐	1250.000	1307.466	3242.15	0.0053	P	1.4	4.6
5	☐	5000.000	5154.959	12369.54	0.0209	P	0.3	3.1
6	☐	12500.00	12614.91	30279.45	0.0512	P	0.5	0.9
7	☐	25000.00	25012.04	60684.82	0.1015	P	0.3	0.0
8	☐	50000.00	49948.30	121160.93	0.2027	P	0.8	-0.1

y = 4.0579E-006 * x + 3.0198E-005
R = 1.0000
DL = 3.451 ppb
BEC = 7.442 ppb

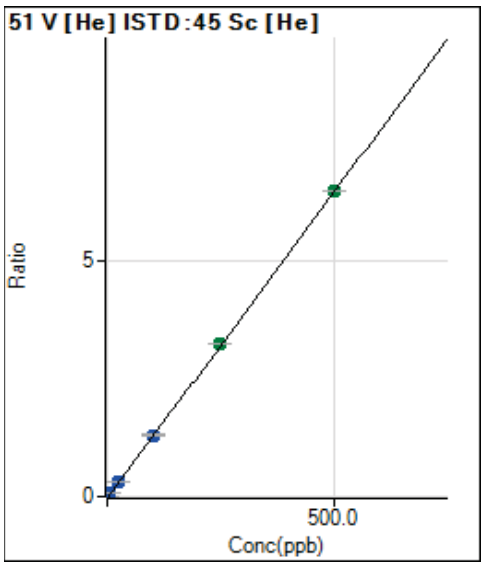
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1.00	0.0000	P	99.6	
2	☐	1.000	1.046	293.33	0.0005	P	7.2	4.6
3	☐	5.000	5.055	1400.74	0.0023	P	1.1	1.1
4	☐	25.000	25.812	7080.04	0.0117	P	0.7	3.2
5	☐	100.000	102.608	27348.28	0.0463	P	1.3	2.6
6	☐	250.000	252.265	67315.52	0.1139	P	0.7	0.9
7	☐	500.000	498.305	134443.93	0.2249	P	0.6	-0.3
8	☐			617.35	0.0010	P	6.0	

y = 4.5138E-004 * x + 1.6100E-006
R = 1.0000
DL = 0.01066 ppb
BEC = 0.003567 ppb

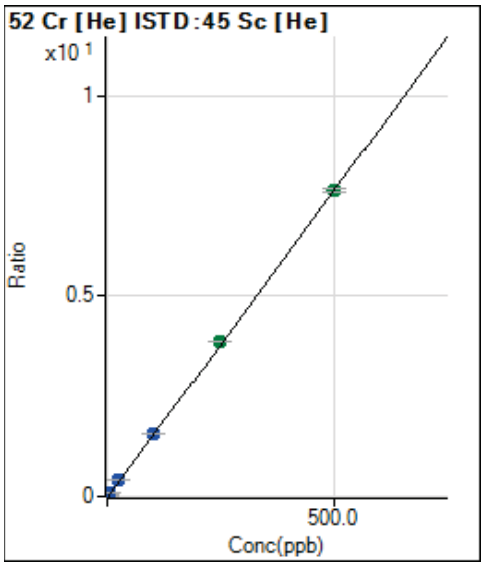
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-545.49	-0.0009	P	-55.	
2	☐	1.000	0.964	7174.13	0.0116	P	3.2	-3.6
3	☐	5.000	4.951	38779.29	0.0632	P	1.8	-1.0
4	☐	25.000	25.272	198281.70	0.3263	P	1.5	1.1
5	☐	100.000	100.638	768869.44	1.3022	P	1.0	0.6
6	☐	250.000	250.650	1917993.61	3.2445	A	0.4	0.3
7	☐	500.000	499.535	3865500.57	6.4670	A	0.2	-0.1
8	☐			569.86	0.0010	P	66.7	

y = 0.0129 * x - 8.8522E-004
R = 1.0000
DL = 0.1133 ppb
BEC = -0.06837 ppb

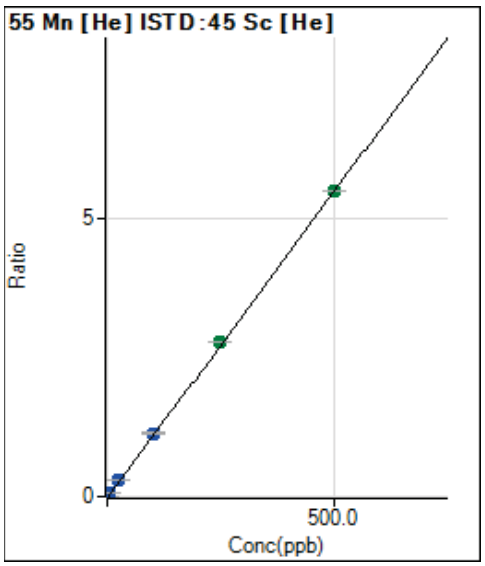
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2675.59	0.0043	P	1.3	
2	☐	2.000	2.070	22315.70	0.0361	P	1.1	3.5
3	☐	5.000	5.127	50847.03	0.0829	P	0.4	2.5
4	☐	25.000	26.063	245244.40	0.4036	P	0.7	4.3
5	☐	100.000	102.596	930663.94	1.5761	P	0.5	2.6
6	☐	250.000	252.669	2290941.67	3.8753	A	0.1	1.1
7	☐	500.000	498.092	4563740.50	7.6353	A	0.7	-0.4
8	☐			5359.66	0.0090	P	1.5	

y = 0.0153 * x + 0.0043
R = 1.0000
DL = 0.01089 ppb
BEC = 0.2835 ppb

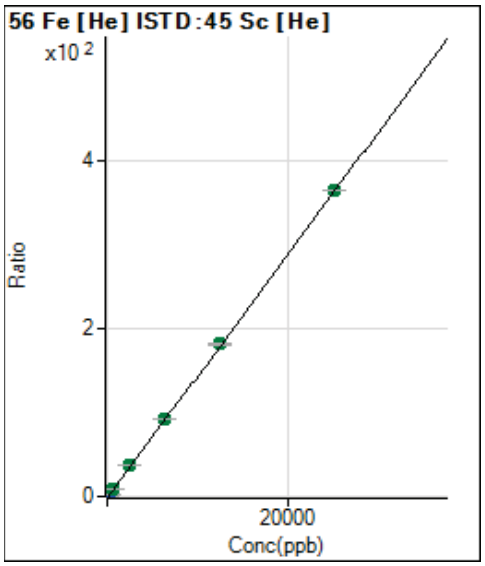
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	328.67	0.0005	P	17.5	
2	☐	0.500	0.532	3968.55	0.0064	P	0.9	6.4
3	☐	5.000	5.144	35192.16	0.0574	P	0.8	2.9
4	☐	25.000	26.387	177464.35	0.2921	P	0.7	5.5
5	☐	100.000	103.521	675671.75	1.1443	P	0.9	3.5
6	☐	250.000	251.138	1640630.33	2.7753	A	0.1	0.5
7	☐	500.000	498.656	3293457.58	5.5100	A	0.4	-0.3
8	☐			4648.75	0.0078	P	2.1	

y = 0.0110 * x + 5.3327E-004
R = 1.0000
DL = 0.02538 ppb
BEC = 0.04827 ppb

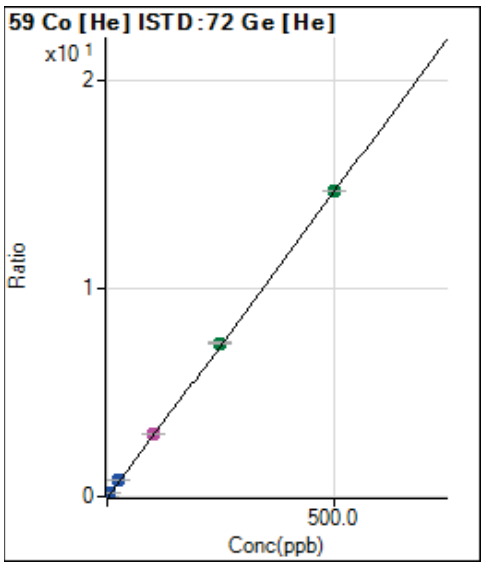
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	11110.90	0.0180	P	1.7	
2	☐	50.000	51.316	475039.19	0.7675	P	0.1	2.6
3	☐	125.000	129.349	1169914.83	1.9071	P	0.0	3.5
4	☐	625.000	652.570	5801662.33	9.5486	A	0.5	4.4
5	☐	2500.000	2563.759	22119012.00	37.4607	A	1.2	2.6
6	☐	6250.000	6296.522	54372749.33	91.9763	A	0.2	0.7
7	☐	12500.00	12450.88	108700666.6	181.858	A	0.4	-0.4
8	☐	25000.00	25005.83	218289456.0	365.218	A	0.6	0.0

y = 0.0146 * x + 0.0180
R = 1.0000
DL = 0.06386 ppb
BEC = 1.235 ppb

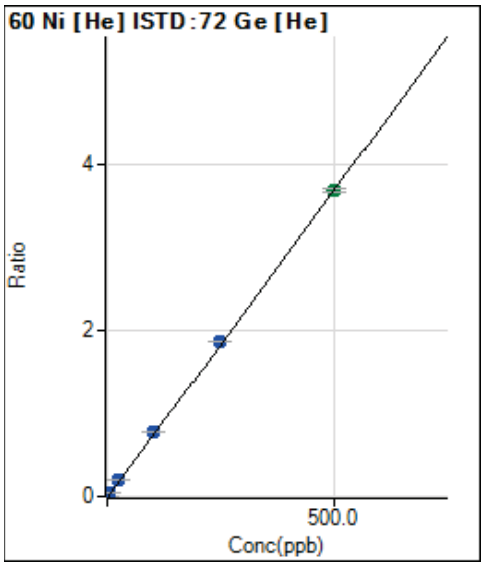
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	50.67	0.0001	P	29.2	
2	☐	0.500	0.543	8150.29	0.0161	P	1.1	8.6
3	☐	5.000	5.290	78571.37	0.1556	P	1.4	5.8
4	☐	25.000	26.266	389765.90	0.7721	P	0.2	5.1
5	☐	100.000	102.078	1478749.50	3.0004	M	0.3	2.1
6	☐	250.000	250.819	3629996.00	7.3722	A	0.4	0.3
7	☐	500.000	499.109	7260329.33	14.6700	A	0.4	-0.2
8	☐			10325.67	0.0208	P	0.1	

y = 0.0294 * x + 9.9901E-005
R = 1.0000
DL = 0.002978 ppb
BEC = 0.003399 ppb

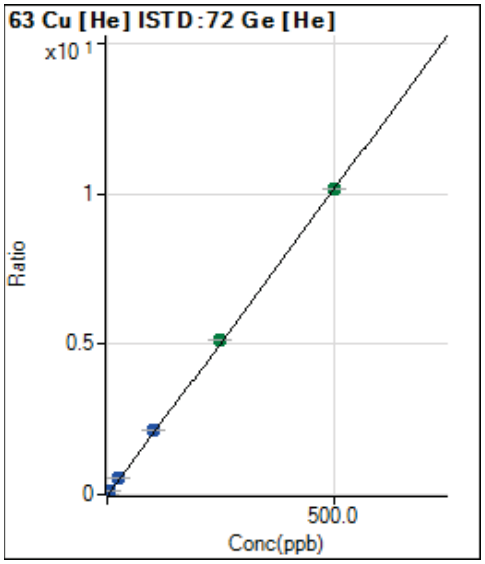
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	209.33	0.0004	P	10.0	
2	☐	0.500	0.564	2332.86	0.0046	P	4.2	12.8
3	☐	5.000	5.373	20326.16	0.0403	P	1.7	7.5
4	☐	25.000	26.783	100450.04	0.1990	P	1.0	7.1
5	☐	100.000	103.946	380044.03	0.7711	P	0.1	3.9
6	☐	250.000	252.577	922296.17	1.8731	P	0.5	1.0
7	☐	500.000	497.829	1826945.79	3.6915	A	0.8	-0.4
8	☐			4897.50	0.0099	P	0.6	

y = 0.0074 * x + 4.1332E-004
R = 1.0000
DL = 0.01678 ppb
BEC = 0.05575 ppb

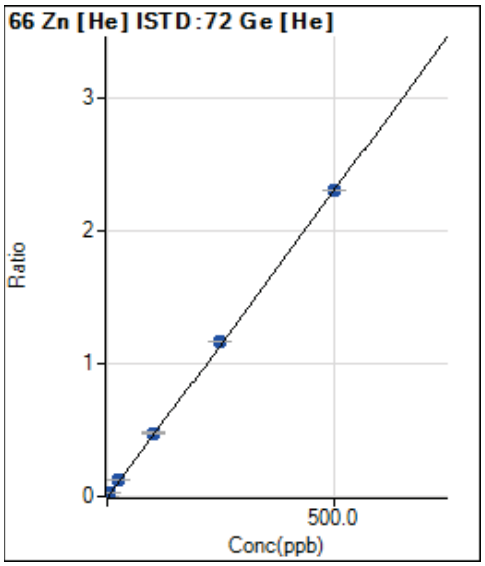
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	206.00	0.0004	P	13.2	
2	☐	1.000	1.066	11252.36	0.0222	P	1.1	6.6
3	☐	5.000	5.392	55776.27	0.1104	P	0.7	7.8
4	☐	25.000	26.915	277461.10	0.5496	P	0.7	7.7
5	☐	100.000	104.049	1046647.69	2.1236	P	0.2	4.0
6	☐	250.000	252.387	2536119.92	5.1506	A	0.5	1.0
7	☐	500.000	497.897	5028514.00	10.1605	A	0.3	-0.4
8	☐			3675.14	0.0074	P	3.3	

y = 0.0204 * x + 4.0712E-004
R = 1.0000
DL = 0.007879 ppb
BEC = 0.01995 ppb

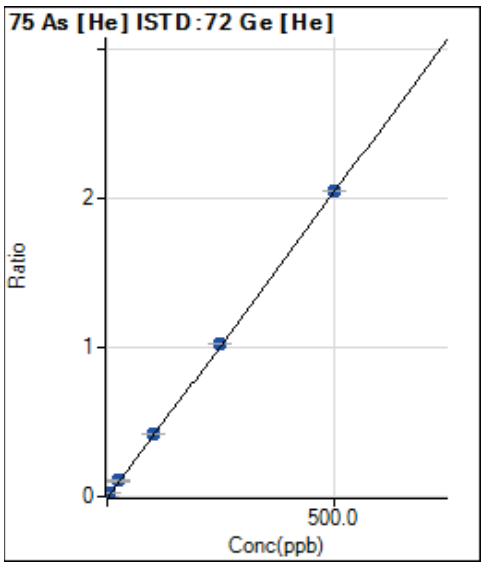
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	172.00	0.0003	P	16.7	
2	☐	5.000	5.213	12397.97	0.0244	P	1.6	4.3
3	☐	5.000	5.401	12774.30	0.0253	P	1.2	8.0
4	☐	25.000	26.532	62051.74	0.1229	P	1.2	6.1
5	☐	100.000	103.237	235249.33	0.4773	P	0.4	3.2
6	☐	250.000	252.692	575035.40	1.1678	P	0.2	1.1
7	☐	500.000	497.924	1138726.33	2.3009	P	0.4	-0.4
8	☐			4655.42	0.0094	P	2.2	

y = 0.0046 * x + 3.3981E-004
R = 1.0000
DL = 0.03677 ppb
BEC = 0.07355 ppb

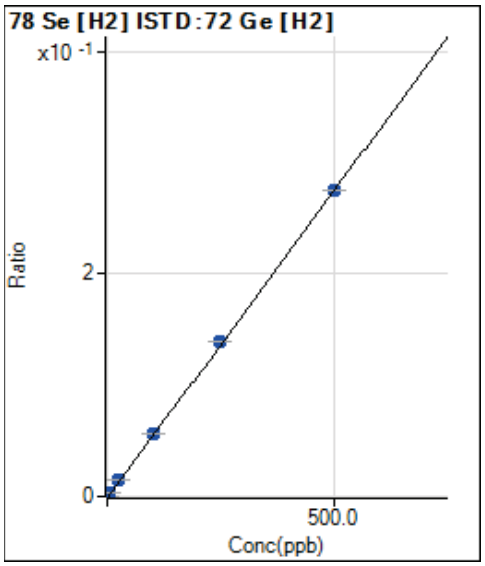
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	189.50	0.0004	P	2.4	
2	☐	0.500	0.500	1228.55	0.0024	P	2.3	0.0
3	☐	5.000	5.028	10584.53	0.0210	P	1.2	0.6
4	☐	25.000	25.564	53018.65	0.1050	P	0.6	2.3
5	☐	100.000	101.186	204340.91	0.4146	P	0.1	1.2
6	☐	250.000	249.852	503822.59	1.0232	P	0.3	-0.1
7	☐	500.000	499.809	1012823.79	2.0465	P	0.6	0.0
8	☐			442.84	0.0009	P	4.8	

y = 0.0041 * x + 3.7408E-004
R = 1.0000
DL = 0.006542 ppb
BEC = 0.09138 ppb

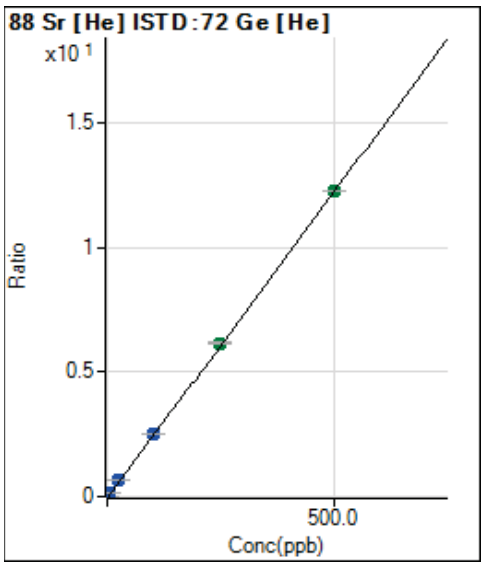
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	32.00	0.0000	P	25.3	
2	☐	0.500	0.509	509.34	0.0003	P	4.2	1.7
3	☐	5.000	5.097	4732.45	0.0028	P	3.6	1.9
4	☐	25.000	26.107	24239.31	0.0144	P	1.2	4.4
5	☐	100.000	102.777	93916.93	0.0568	P	0.7	2.8
6	☐	250.000	252.014	230721.32	0.1392	P	1.0	0.8
7	☐	500.000	498.381	462185.38	0.2752	P	0.6	-0.3
8	☐			145.67	0.0001	P	9.6	

y = 5.5216E-004 * x + 1.8752E-005
R = 1.0000
DL = 0.02581 ppb
BEC = 0.03396 ppb

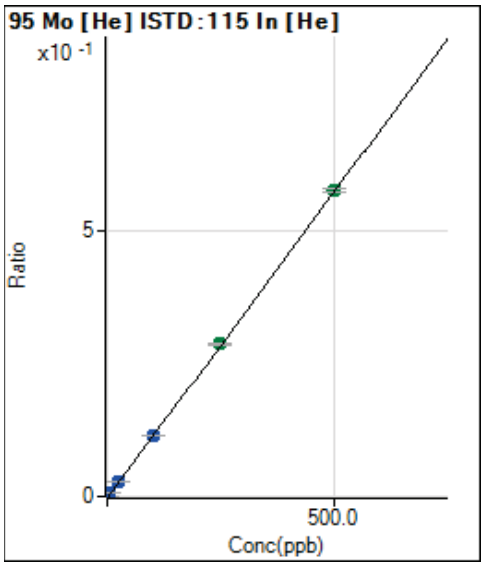
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	138.33	0.0003	P	8.9	
2	☐	0.500	0.518	6604.92	0.0130	P	2.1	3.6
3	☐	5.000	5.085	63301.29	0.1253	P	0.6	1.7
4	☐	25.000	25.759	319934.23	0.6338	P	0.5	3.0
5	☐	100.000	101.918	1235504.55	2.5069	P	0.3	1.9
6	☐	250.000	250.738	3036539.75	6.1670	A	0.4	0.3
7	☐	500.000	499.208	6076409.70	12.2779	A	0.6	-0.2
8	☐			6846.69	0.0138	P	1.6	

y = 0.0246 * x + 2.7322E-004
R = 1.0000
DL = 0.002981 ppb
BEC = 0.01111 ppb

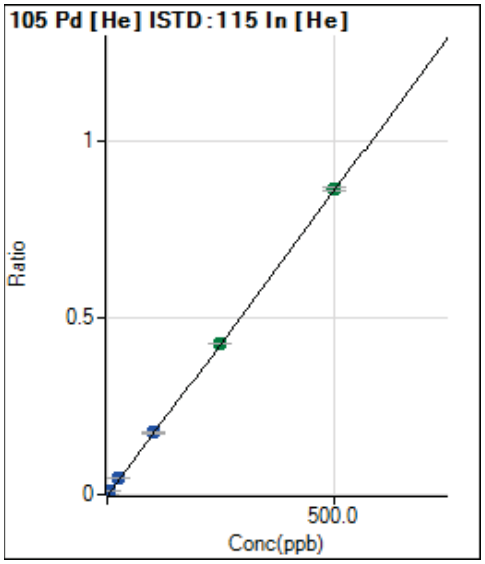
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	16.00	0.0000	P	38.2	
2	☐	0.500	0.491	3365.08	0.0006	P	2.6	-1.8
3	☐	5.000	4.859	33521.30	0.0056	P	1.5	-2.8
4	☐	25.000	24.835	170709.22	0.0286	P	0.3	-0.7
5	☐	100.000	99.222	660535.22	0.1141	P	0.1	-0.8
6	☐	250.000	249.121	1641511.92	0.2864	A	0.5	-0.4
7	☐	500.000	500.605	3289417.75	0.5755	A	0.8	0.1
8	☐			880.03	0.0002	P	12.9	

y = 0.0011 * x + 2.7104E-006
R = 1.0000
DL = 0.002699 ppb
BEC = 0.002358 ppb

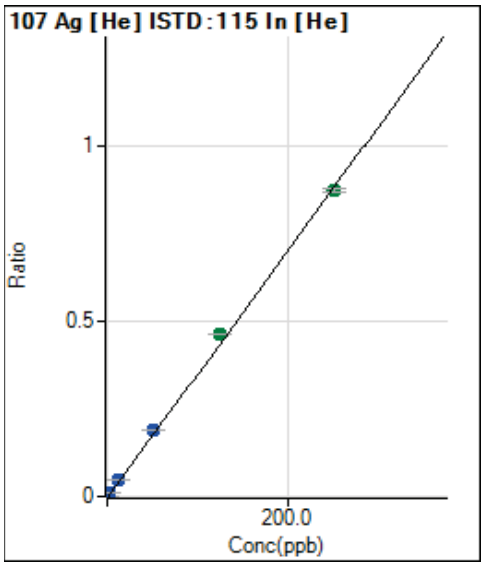
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	220.00	0.0000	P	22.0	
2	☐	0.500	0.526	5604.49	0.0009	P	2.4	5.3
3	☐	5.000	4.852	50394.73	0.0084	P	2.1	-3.0
4	☐	25.000	25.895	267167.81	0.0447	P	1.0	3.6
5	☐	100.000	101.785	1016464.21	0.1755	P	1.9	1.8
6	☐	250.000	247.386	2445103.24	0.4266	A	0.7	-1.0
7	☐	500.000	500.907	4937042.01	0.8638	A	0.9	0.2
8	☐			996.71	0.0002	P	7.5	

y = 0.0017 * x + 3.7211E-005
R = 1.0000
DL = 0.01424 ppb
BEC = 0.02158 ppb

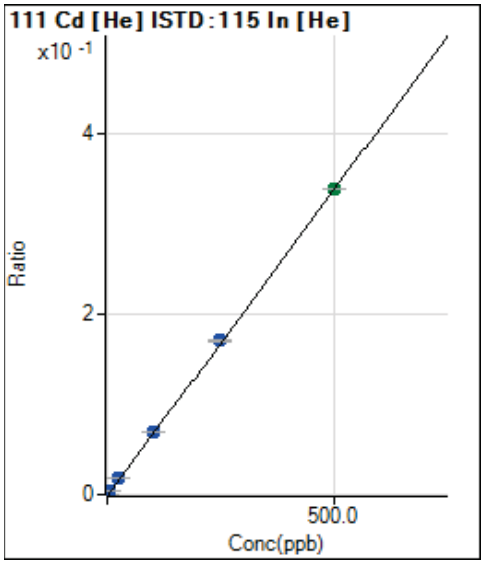
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	98.33	0.0000	P	42.2	
2	☐	0.500	0.410	8716.06	0.0015	P	3.6	-18.
3	☐	2.500	2.348	50021.89	0.0083	P	5.7	-6.1
4	☐	12.500	13.214	280265.36	0.0469	P	1.9	5.7
5	☐	50.000	52.877	1085834.09	0.1875	P	0.7	5.8
6	☐	125.000	131.053	2663674.86	0.4647	A	0.3	4.8
7	☐	250.000	246.364	4993671.49	0.8736	A	1.0	-1.5
8	☐			1898.48	0.0003	P	5.3	

y = 0.0035 * x + 1.6627E-005
R = 0.9995
DL = 0.005932 ppb
BEC = 0.004689 ppb

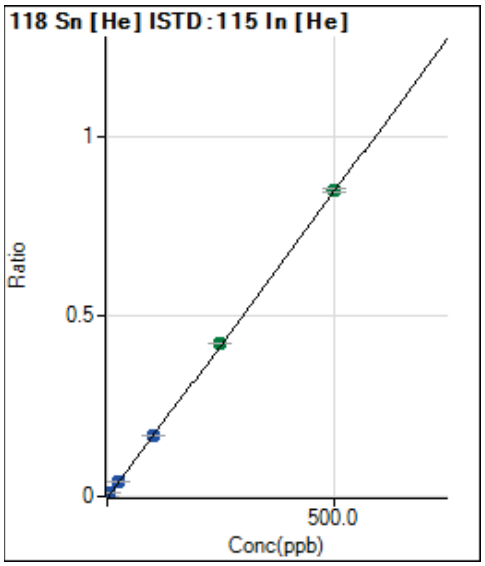
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12.67	0.0000	P	12.7	
2	☐	0.080	0.082	342.06	0.0001	P	8.0	2.2
3	☐	5.000	5.044	20542.22	0.0034	P	2.0	0.9
4	☐	25.000	25.660	104116.97	0.0174	P	0.4	2.6
5	☐	100.000	102.445	402567.45	0.0695	P	0.7	2.4
6	☐	250.000	251.358	977670.18	0.1706	P	0.4	0.5
7	☐	500.000	498.799	1934720.32	0.3385	A	0.4	-0.2
8	☐			248.84	0.0000	P	10.3	

y = 6.7861E-004 * x + 2.1432E-006
R = 1.0000
DL = 0.001201 ppb
BEC = 0.003158 ppb

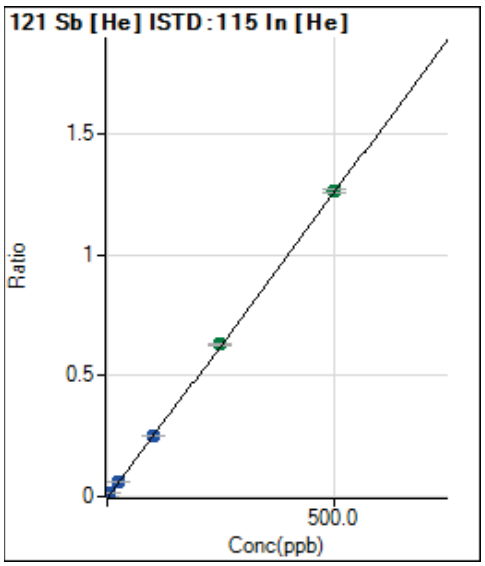
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	68.33	0.0000	P	22.3	
2	☐	0.500	0.494	5057.62	0.0009	P	2.0	-1.1
3	☐	5.000	4.861	49672.67	0.0083	P	0.4	-2.8
4	☐	25.000	24.937	253709.19	0.0424	P	1.2	-0.3
5	☐	100.000	100.249	987674.79	0.1706	P	0.2	0.2
6	☐	250.000	249.712	2435109.29	0.4248	A	0.4	-0.1
7	☐	500.000	500.099	4862804.20	0.8508	A	1.4	0.0
8	☐			20745.47	0.0036	P	1.1	

y = 0.0017 * x + 1.1556E-005
R = 1.0000
DL = 0.004544 ppb
BEC = 0.006793 ppb

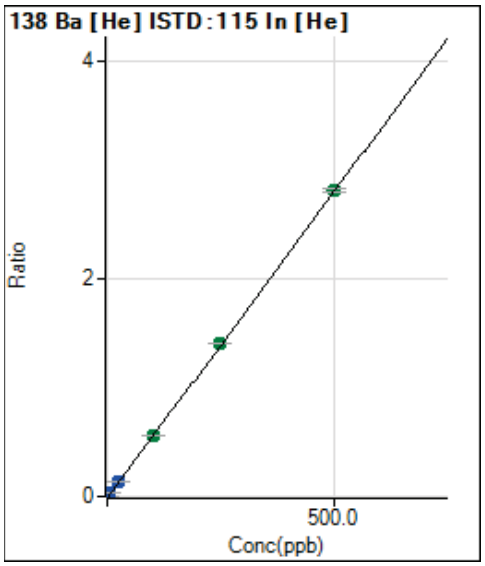
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	56.67	0.0000	P	56.9	
2	☐	0.500	0.517	7812.24	0.0013	P	0.8	3.3
3	☐	5.000	4.866	73912.66	0.0123	P	1.7	-2.7
4	☐	25.000	24.737	374306.86	0.0626	P	1.1	-1.1
5	☐	100.000	99.418	1456899.36	0.2516	P	0.2	-0.6
6	☐	250.000	249.192	3614447.13	0.6306	A	0.5	-0.3
7	☐	500.000	500.535	7239419.48	1.2667	A	1.4	0.1
8	☐			2730.29	0.0005	P	9.9	

y = 0.0025 * x + 9.5587E-006
R = 1.0000
DL = 0.006452 ppb
BEC = 0.003777 ppb

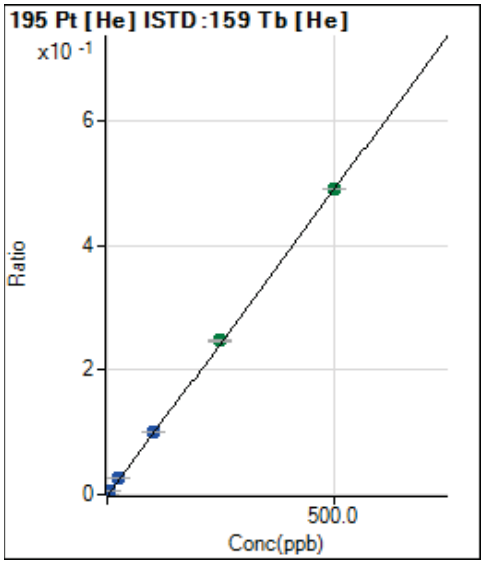
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	118.33	0.0000	P	19.6	
2	☐	0.300	0.311	10474.04	0.0018	P	1.3	3.5
3	☐	5.000	4.932	166368.26	0.0277	P	1.8	-1.4
4	☐	25.000	25.006	840336.87	0.1406	P	0.7	0.0
5	☐	100.000	99.447	3236489.01	0.5589	A	0.5	-0.6
6	☐	250.000	250.098	8056243.21	1.4056	A	0.8	0.0
7	☐	500.000	500.062	16062892.26	2.8104	A	1.0	0.0
8	☐			3400.45	0.0006	P	7.0	

y = 0.0056 * x + 2.0002E-005
R = 1.0000
DL = 0.002088 ppb
BEC = 0.003559 ppb

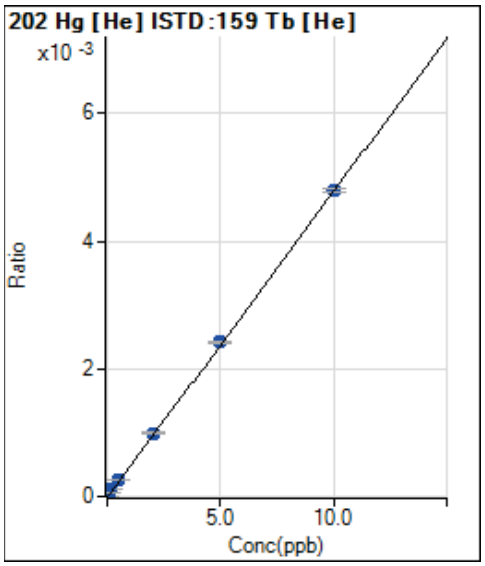
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	166.00	0.0000	P	15.4	
2	☐	0.500	0.506	7114.57	0.0005	P	1.5	1.2
3	☐	5.000	5.079	70372.77	0.0050	P	0.4	1.6
4	☐	25.000	25.928	355422.60	0.0255	P	0.9	3.7
5	☐	100.000	102.924	1385455.50	0.1013	P	0.6	2.9
6	☐	250.000	251.460	3415591.33	0.2475	A	0.6	0.6
7	☐	500.000	498.638	6781919.83	0.4908	A	0.3	-0.3
8	☐			808.03	0.0001	P	19.1	

y = 9.8427E-004 * x + 1.2034E-005
R = 1.0000
DL = 0.005663 ppb
BEC = 0.01223 ppb

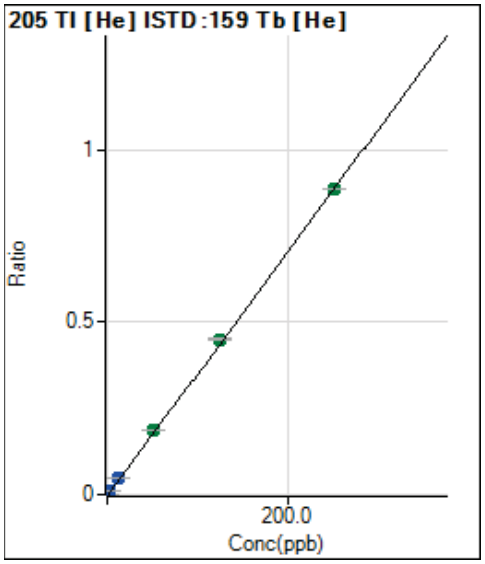
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	99.33	0.0000	P	10.5	
2	☐	0.200	0.223	1592.10	0.0001	P	0.2	11.4
3	☐	0.100	0.100	773.02	0.0001	P	3.6	-0.3
4	☐	0.500	0.513	3529.47	0.0003	P	2.0	2.6
5	☐	2.000	2.052	13568.92	0.0010	P	1.4	2.6
6	☐	5.000	5.030	33426.45	0.0024	P	0.9	0.6
7	☐	10.000	9.974	66270.51	0.0048	P	0.8	-0.3
8	☐			431.68	0.0000	P	5.5	

y = 4.8015E-004 * x + 7.1985E-006
R = 1.0000
DL = 0.004717 ppb
BEC = 0.01499 ppb

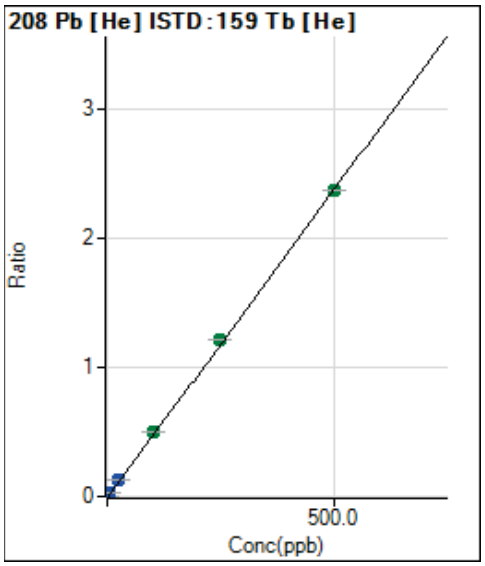
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	335.01	0.0000	P	12.0	
2	☐	0.100	0.091	4839.25	0.0003	P	2.4	-9.3
3	☐	2.500	2.529	126718.54	0.0090	P	1.5	1.2
4	☐	12.500	13.238	656079.51	0.0471	P	0.2	5.9
5	☐	50.000	51.996	2530419.81	0.1850	A	0.8	4.0
6	☐	125.000	126.443	6209235.12	0.4500	A	0.4	1.2
7	☐	250.000	248.842	12235848.57	0.8855	A	0.4	-0.5
8	☐			3473.82	0.0002	P	10.0	

y = 0.0036 * x + 2.4259E-005
R = 0.9999
DL = 0.002457 ppb
BEC = 0.006817 ppb

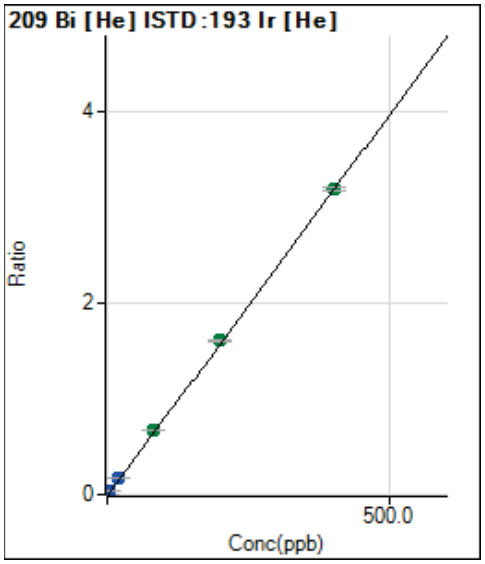
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2171.76	0.0002	P	5.6	
2	☐	0.500	0.528	37423.96	0.0027	P	1.4	5.7
3	☐	5.000	5.191	350725.22	0.0250	P	0.8	3.8
4	☐	25.000	26.449	1762442.85	0.1266	P	0.1	5.8
5	☐	100.000	104.326	6822457.41	0.4989	A	0.6	4.3
6	☐	250.000	254.651	16801983.60	1.2176	A	0.6	1.9
7	☐	500.000	496.735	32816529.51	2.3749	A	0.6	-0.7
8	☐			19704.05	0.0014	P	2.7	

y = 0.0048 * x + 1.5736E-004
R = 0.9999
DL = 0.005487 ppb
BEC = 0.03291 ppb

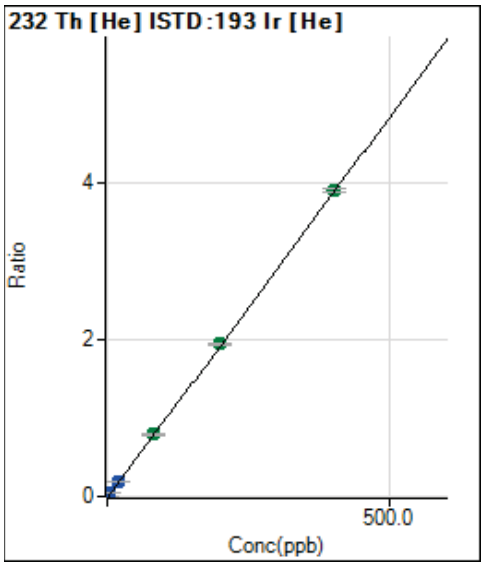
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1800.16	0.0002	P	1.7	
2	☐	0.500	0.518	31755.24	0.0044	P	1.5	3.5
3	☐	4.000	4.083	238652.20	0.0329	P	1.2	2.1
4	☐	20.000	21.322	1218957.25	0.1706	P	0.7	6.6
5	☐	80.000	83.434	4660021.81	0.6668	A	1.0	4.3
6	☐	200.000	200.835	11334544.41	1.6046	A	0.9	0.4
7	☐	400.000	398.829	22268338.84	3.1863	A	1.2	-0.3
8	☐			4417.51	0.0006	P	9.6	

y = 0.0080 * x + 2.4890E-004
R = 1.0000
DL = 0.001586 ppb
BEC = 0.03116 ppb

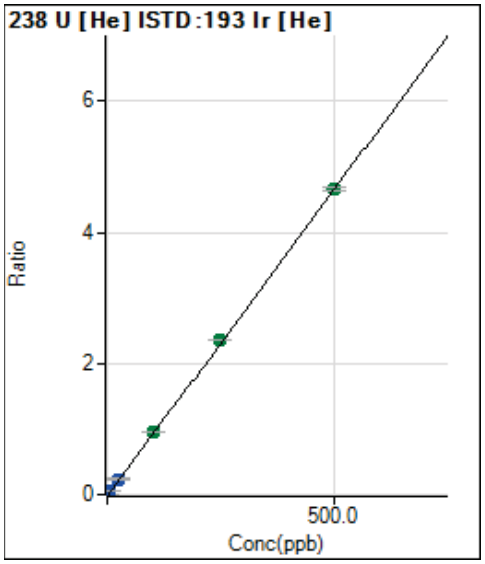
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	500.02	0.0001	P	6.8	
2	☐	0.500	0.476	34203.15	0.0047	P	1.7	-4.7
3	☐	4.000	3.838	272846.36	0.0376	P	0.5	-4.0
4	☐	20.000	20.378	1423496.96	0.1992	P	0.7	1.9
5	☐	80.000	80.839	5521651.48	0.7900	A	0.3	1.0
6	☐	200.000	199.197	13750568.54	1.9466	A	0.6	-0.4
7	☐	400.000	400.216	27332266.26	3.9110	A	1.5	0.1
8	☐			16191.54	0.0023	P	5.8	

y = 0.0098 * x + 6.9141E-005
R = 1.0000
DL = 0.001438 ppb
BEC = 0.007075 ppb

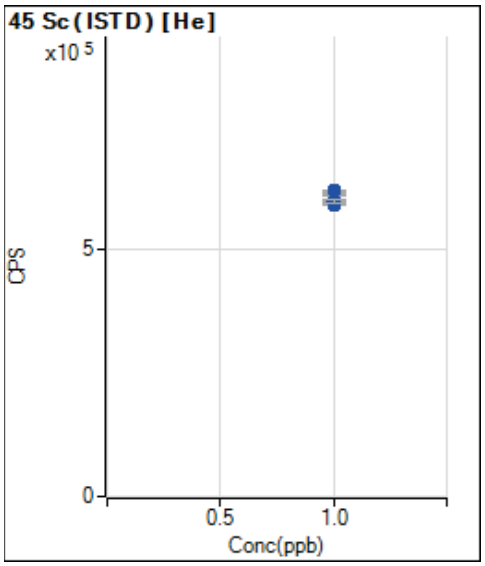
Weight: <None>
Min Conc: <None>



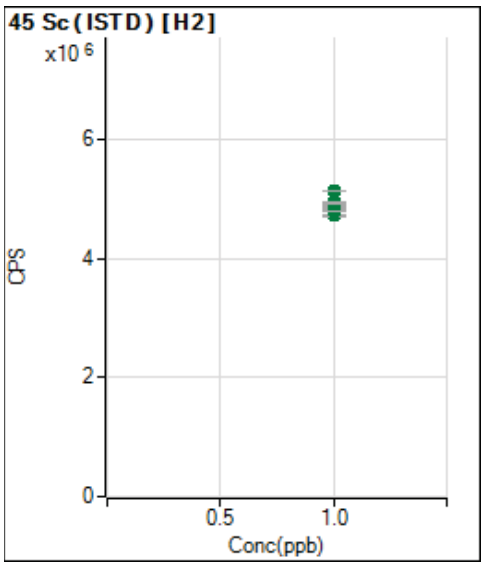
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	465.01	0.0001	P	5.1	
2	☐	0.500	0.502	34447.30	0.0048	P	1.0	0.4
3	☐	5.000	4.878	331539.05	0.0457	P	1.1	-2.4
4	☐	25.000	25.441	1699623.04	0.2379	P	1.2	1.8
5	☐	100.000	101.913	6657971.15	0.9526	A	0.6	1.9
6	☐	250.000	251.618	16613304.75	2.3519	A	0.4	0.6
7	☐	500.000	498.787	32582057.85	4.6621	A	1.3	-0.2
8	☐			4392.46	0.0006	P	14.6	

y = 0.0093 * x + 6.4287E-005
R = 1.0000
DL = 0.001047 ppb
BEC = 0.006878 ppb

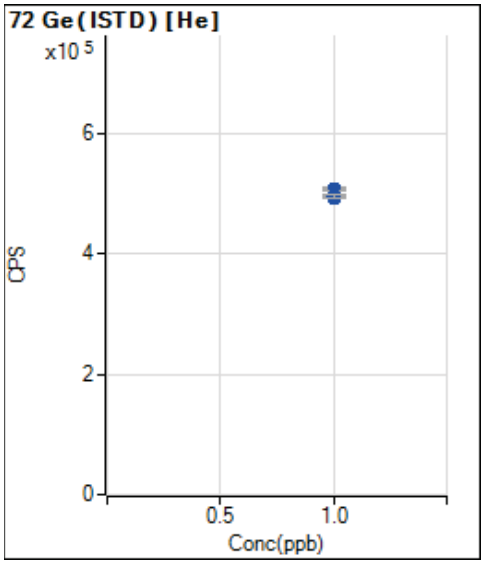
Weight: <None>
Min Conc: <None>



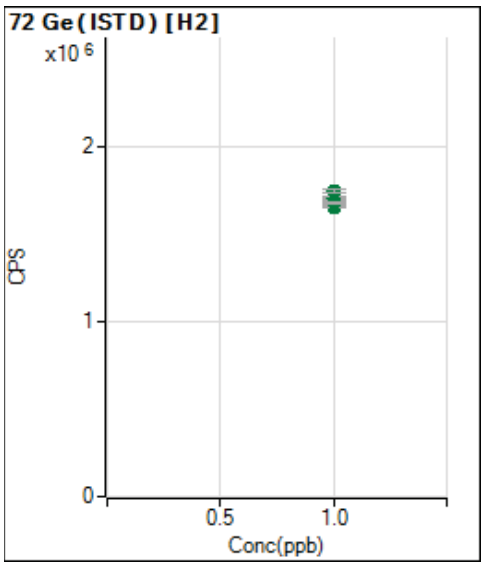
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		616059.81		P	1.2	
2	☐	1.000		618948.94		P	0.3	
3	☐	1.000		613443.44		P	0.3	
4	☐	1.000		607603.00		P	0.5	
5	☐	1.000		590475.29		P	0.5	
6	☐	1.000		591159.85		P	0.3	
7	☐	1.000		597725.73		P	0.4	
8	☐	1.000		597716.75		P	1.2	



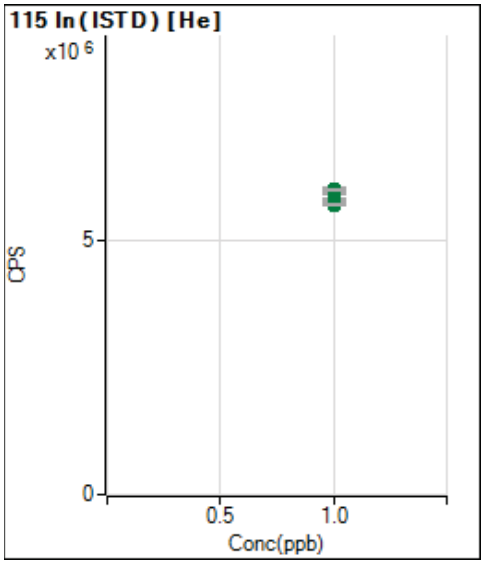
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		4924870.33		A	0.2	
2	☐	1.000		4943754.67		A	0.7	
3	☐	1.000		4875879.00		A	0.3	
4	☐	1.000		4809239.00		A	0.4	
5	☐	1.000		4725976.83		A	0.2	
6	☐	1.000		4806087.17		A	0.3	
7	☐	1.000		4936293.83		A	0.2	
8	☐	1.000		5139806.00		A	0.5	



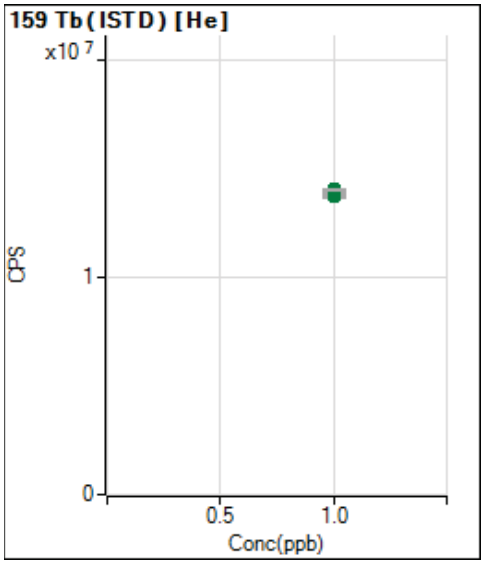
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		506513.70		P	1.2	
2	☐	1.000		507620.59		P	0.4	
3	☐	1.000		505015.57		P	0.5	
4	☐	1.000		504795.28		P	0.2	
5	☐	1.000		492852.47		P	0.2	
6	☐	1.000		492389.77		P	0.2	
7	☐	1.000		494908.69		P	0.3	
8	☐	1.000		495322.81		P	1.1	



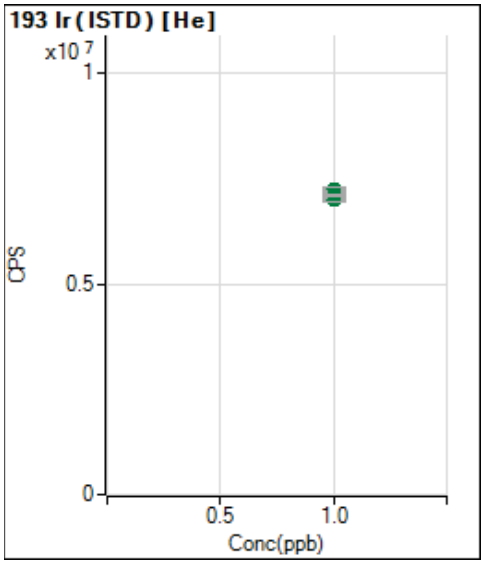
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1705947.33		A	0.5	
2	☐	1.000		1700161.33		A	1.2	
3	☐	1.000		1670306.92		A	0.2	
4	☐	1.000		1679247.00		A	0.5	
5	☐	1.000		1654325.71		A	0.9	
6	☐	1.000		1657760.21		A	0.6	
7	☐	1.000		1679385.17		A	0.9	
8	☐	1.000		1746043.38		A	0.6	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		5913357.43		A	0.7	
2	☐	1.000		5931871.22		A	0.7	
3	☐	1.000		5998232.71		A	1.2	
4	☐	1.000		5978616.73		A	0.5	
5	☐	1.000		5790582.31		A	0.5	
6	☐	1.000		5731644.28		A	0.5	
7	☐	1.000		5715841.84		A	1.1	
8	☐	1.000		5688461.85		A	0.7	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		13802456.04		A	0.9	
2	☐	1.000		13945661.46		A	0.8	
3	☐	1.000		14043758.12		A	0.5	
4	☐	1.000		13920715.62		A	0.3	
5	☐	1.000		13674763.55		A	0.8	
6	☐	1.000		13799571.88		A	0.5	
7	☐	1.000		13817811.87		A	0.4	
8	☐	1.000		13977339.79		A	0.8	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		7232565.10		A	0.3	
2	☐	1.000		7241036.14		A	1.2	
3	☐	1.000		7261368.43		A	0.7	
4	☐	1.000		7146085.73		A	0.8	
5	☐	1.000		6989253.34		A	0.6	
6	☐	1.000		7063948.23		A	0.6	
7	☐	1.000		6989483.44		A	1.3	
8	☐	1.000		7121527.39		A	0.6	

Sample Name	SysBlk-EPA Tune-352695
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	003SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 13:53:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2			66.667
Be	9	2	H2			16.333
B	11	2	H2			3035.643
Na	23	1	He			11763.023
Mg	24	1	He			1440.080
Al	27	1	He			71.333
Si	28	2	H2			13852.597
K	39	1	He			76145.210
Ca	43	1	He			17.900
Ti	47	1	He			3.333
V	51	1	He			4.527
Cr	52	1	He			2633.573
Mn	55	1	He			318.003
Fe	56	1	He			11662.407
Co	59	1	He			82.000
Ni	60	1	He			198.000
Cu	63	1	He			186.667
Zn	66	1	He			166.000
As	75	1	He			186.833
Se	78	2	H2			26.333
Sr	88	1	He			166.667
Mo	95	1	He			21.333
Pd	105	1	He			176.667
Ag	107	1	He			138.333
Cd	111	1	He			15.667
Sn	118	1	He			80.000
Sb	121	1	He			56.667
Ba	138	1	He			138.333
Pt	195	1	He			174.000
Hg	202	1	He			126.000
Tl	205	1	He			321.677
Pb	208	1	He			2031.753
Bi	209	1	He			1693.473
Th	232	1	He			533.350
U	238	1	He			436.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He		615387.667
Sc	45	2	H2		4879219.833
Ge	72	1	He		502609.917
Ge	72	2	H2		1719809.000
In	115	1	He		5823128.517
Tb	159	1	He		13764227.293
Ir	193	1	He		7342758.433

Sample Name	SysBlk-EPA Tune-352695
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	004SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 13:57:08
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2			72.000
Be	9	2	H2			16.833
B	11	2	H2			2906.613
Na	23	1	He			11884.803
Mg	24	1	He			1515.093
Al	27	1	He			73.667
Si	28	2	H2			13622.583
K	39	1	He			76421.703
Ca	43	1	He			14.583
Ti	47	1	He			1.333
V	51	1	He			-598.823
Cr	52	1	He			2758.933
Mn	55	1	He			331.340
Fe	56	1	He			11242.337
Co	59	1	He			54.667
Ni	60	1	He			210.000
Cu	63	1	He			198.667
Zn	66	1	He			172.000
As	75	1	He			196.667
Se	78	2	H2			27.000
Sr	88	1	He			163.333
Mo	95	1	He			19.333
Pd	105	1	He			161.667
Ag	107	1	He			110.000
Cd	111	1	He			16.000
Sn	118	1	He			93.333
Sb	121	1	He			60.000
Ba	138	1	He			128.333
Pt	195	1	He			158.000
Hg	202	1	He			122.333
Tl	205	1	He			348.343
Pb	208	1	He			2211.763
Bi	209	1	He			1766.820
Th	232	1	He			550.017
U	238	1	He			458.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He		616919.540
Sc	45	2	H2		4877146.500
Ge	72	1	He		505057.783
Ge	72	2	H2		1713173.167
In	115	1	He		5821464.357
Tb	159	1	He		13829863.957
Ir	193	1	He		7367731.970

Sample Name	CAL0
Sample Type	CalBlk
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	005CALB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 14:00:47
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.000000	N/A	69.167
Be	9	2	H2	0.000000	N/A	11.333
B	11	2	H2	0.000000	N/A	2723.410
Na	23	1	He	0.000000	N/A	11617.923
Mg	24	1	He	0.000000	N/A	1505.090
Al	27	1	He	0.000000	N/A	74.667
Si	28	2	H2	0.000000	N/A	14225.957
K	39	1	He	0.000000	N/A	75312.553
Ca	43	1	He	0.000000	N/A	18.583
Ti	47	1	He	0.000000	N/A	1.000
V	51	1	He	0.000000	N/A	-545.487
Cr	52	1	He	0.000000	N/A	2675.587
Mn	55	1	He	0.000000	N/A	328.673
Fe	56	1	He	0.000000	N/A	11110.903
Co	59	1	He	0.000000	N/A	50.667
Ni	60	1	He	0.000000	N/A	209.333
Cu	63	1	He	0.000000	N/A	206.000
Zn	66	1	He	0.000000	N/A	172.000
As	75	1	He	0.000000	N/A	189.500
Se	78	2	H2	0.000000	N/A	32.000
Sr	88	1	He	0.000000	N/A	138.333
Mo	95	1	He	0.000000	N/A	16.000
Pd	105	1	He	0.000000	N/A	220.000
Ag	107	1	He	0.000000	N/A	98.333
Cd	111	1	He	0.000000	N/A	12.667
Sn	118	1	He	0.000000	N/A	68.333
Sb	121	1	He	0.000000	N/A	56.667
Ba	138	1	He	0.000000	N/A	118.333
Pt	195	1	He	0.000000	N/A	166.000
Hg	202	1	He	0.000000	N/A	99.333
Tl	205	1	He	0.000000	N/A	335.010
Pb	208	1	He	0.000000	N/A	2171.763
Bi	209	1	He	0.000000	N/A	1800.160
Th	232	1	He	0.000000	N/A	500.017
U	238	1	He	0.000000	N/A	465.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100	616059.813
Sc	45	2	H2	100	4924870.333
Ge	72	1	He	100	506513.700
Ge	72	2	H2	100	1705947.330
In	115	1	He	100	5913357.433
Tb	159	1	He	100	13802456.043
Ir	193	1	He	100	7232565.100

Sample Name	CAL1
Sample Type	CalStd
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	006CALS.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 14:04:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.570360	3.9	342.833
Be	9	2	H2	0.217731	4.7	118.000
B	11	2	H2	10.174380	2.2	7157.027
Na	23	1	He	54.911881	0.6	72749.513
Mg	24	1	He	30.795899	0.4	20747.843
Al	27	1	He	31.547330	0.5	9736.177
Si	28	2	H2	101.004129	0.8	375014.950
K	39	1	He	104.236825	0.7	164780.857
Ca	43	1	He	91.409738	2.6	248.267
Ti	47	1	He	1.046442	7.3	293.333
V	51	1	He	0.963502	2.9	7174.133
Cr	52	1	He	2.069893	1.3	22315.703
Mn	55	1	He	0.532062	1.0	3968.550
Fe	56	1	He	51.316483	0.1	475039.190
Co	59	1	He	0.542882	1.1	8150.293
Ni	60	1	He	0.564153	4.6	2332.860
Cu	63	1	He	1.066368	1.1	11252.360
Zn	66	1	He	5.212787	1.6	12397.973
As	75	1	He	0.499796	2.7	1228.553
Se	78	2	H2	0.508708	4.5	509.343
Sr	88	1	He	0.517954	2.1	6604.917
Mo	95	1	He	0.491144	2.6	3365.077
Pd	105	1	He	0.526380	2.5	5604.490
Ag	107	1	He	0.409748	3.6	8716.063
Cd	111	1	He	0.081788	8.3	342.063
Sn	118	1	He	0.494374	2.1	5057.623
Sb	121	1	He	0.516653	0.8	7812.240
Ba	138	1	He	0.310606	1.3	10474.043
Pt	195	1	He	0.506121	1.5	7114.573
Hg	202	1	He	0.222775	0.2	1592.100
Tl	205	1	He	0.090707	2.6	4839.253
Pb	208	1	He	0.528430	1.4	37423.957
Bi	209	1	He	0.517748	1.6	31755.237
Th	232	1	He	0.476364	1.7	34203.150
U	238	1	He	0.502131	1.0	34447.297

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.4689679	618948.937
Sc	45	2	H2	100.3834483	4943754.667
Ge	72	1	He	100.2185317	507620.593
Ge	72	2	H2	99.66083380	1700161.333
In	115	1	He	100.3130842	5931871.223
Tb	159	1	He	101.0375357	13945661.457
Ir	193	1	He	100.1171236	7241036.143

Sample Name	CAL2
Sample Type	CalStd
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	007CALS.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 14:08:51
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.550903	2.0	2692.407
Be	9	2	H2	5.388507	1.3	2614.227
B	11	2	H2	4.827805	2.3	4766.420
Na	23	1	He	273.744511	0.6	313328.633
Mg	24	1	He	267.571750	1.4	167147.157
Al	27	1	He	266.006758	0.6	80812.173
Si	28	2	H2	131.108289	0.5	475924.050
K	39	1	He	262.808581	0.6	297669.743
Ca	43	1	He	255.190777	2.7	653.743
Ti	47	1	He	5.055124	1.1	1400.737
V	51	1	He	4.950541	1.7	38779.293
Cr	52	1	He	5.126852	0.4	50847.033
Mn	55	1	He	5.143951	0.8	35192.163
Fe	56	1	He	129.349012	0.0	1169914.833
Co	59	1	He	5.290169	1.4	78571.367
Ni	60	1	He	5.373028	1.7	20326.157
Cu	63	1	He	5.392451	0.7	55776.270
Zn	66	1	He	5.401424	1.2	12774.300
As	75	1	He	5.028470	1.2	10584.530
Se	78	2	H2	5.097384	3.6	4732.453
Sr	88	1	He	5.085459	0.6	63301.287
Mo	95	1	He	4.859391	1.5	33521.303
Pd	105	1	He	4.851593	2.1	50394.730
Ag	107	1	He	2.347653	5.7	50021.887
Cd	111	1	He	5.044254	2.0	20542.223
Sn	118	1	He	4.860917	0.4	49672.673
Sb	121	1	He	4.866201	1.7	73912.660
Ba	138	1	He	4.932143	1.8	166368.263
Pt	195	1	He	5.078802	0.4	70372.767
Hg	202	1	He	0.099659	4.1	773.023
Tl	205	1	He	2.528930	1.5	126718.540
Pb	208	1	He	5.190973	0.9	350725.217
Bi	209	1	He	4.083223	1.2	238652.203
Th	232	1	He	3.838178	0.5	272846.357
U	238	1	He	4.878194	1.1	331539.047

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.57530530	613443.440
Sc	45	2	H2	99.00522592	4875879.000
Ge	72	1	He	99.70422715	505015.570
Ge	72	2	H2	97.91081396	1670306.917
In	115	1	He	101.4353144	5998232.707
Tb	159	1	He	101.7482546	14043758.123
Ir	193	1	He	100.3982450	7261368.433

Sample Name	CAL3
Sample Type	CalStd
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	008CALS.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 14:12:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	27.749826	1.2	13005.567
Be	9	2	H2	27.059554	0.2	12903.983
B	11	2	H2	26.375478	0.6	13814.633
Na	23	1	He	1327.662842	0.6	1461048.570
Mg	24	1	He	1335.585819	1.2	820443.217
Al	27	1	He	1328.053989	0.8	399322.790
Si	28	2	H2	662.550681	0.4	2315872.833
K	39	1	He	1311.464601	0.8	1174865.037
Ca	43	1	He	1307.465891	1.4	3242.153
Ti	47	1	He	25.811608	0.7	7080.043
V	51	1	He	25.272244	1.5	198281.697
Cr	52	1	He	26.062861	0.7	245244.397
Mn	55	1	He	26.387374	0.7	177464.350
Fe	56	1	He	652.570031	0.5	5801662.333
Co	59	1	He	26.266364	0.2	389765.897
Ni	60	1	He	26.782646	1.0	100450.043
Cu	63	1	He	26.915452	0.7	277461.103
Zn	66	1	He	26.531982	1.2	62051.737
As	75	1	He	25.564414	0.6	53018.650
Se	78	2	H2	26.107145	1.2	24239.313
Sr	88	1	He	25.759033	0.5	319934.233
Mo	95	1	He	24.834847	0.3	170709.217
Pd	105	1	He	25.894544	1.0	267167.807
Ag	107	1	He	13.214382	1.9	280265.357
Cd	111	1	He	25.659702	0.4	104116.970
Sn	118	1	He	24.937426	1.2	253709.190
Sb	121	1	He	24.737186	1.1	374306.857
Ba	138	1	He	25.006496	0.7	840336.867
Pt	195	1	He	25.927802	0.9	355422.597
Hg	202	1	He	0.513039	2.1	3529.473
Tl	205	1	He	13.237605	0.2	656079.510
Pb	208	1	He	26.449246	0.1	1762442.850
Bi	209	1	He	21.322367	0.7	1218957.247
Th	232	1	He	20.378235	0.7	1423496.957
U	238	1	He	25.440943	1.2	1699623.043

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	98.62727398	607603.000
Sc	45	2	H2	97.65209385	4809239.000
Ge	72	1	He	99.66073638	504795.283
Ge	72	2	H2	98.43486785	1679247.000
In	115	1	He	101.1035912	5978616.730
Tb	159	1	He	100.8568009	13920715.623
Ir	193	1	He	98.80430563	7146085.727

Sample Name	CAL4
Sample Type	CalStd
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	009CALS.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 14:16:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	107.665670	0.5	49396.587
Be	9	2	H2	103.523585	0.6	48481.777
B	11	2	H2	104.443217	0.9	46020.893
Na	23	1	He	5176.978239	0.6	5504088.040
Mg	24	1	He	5205.856333	1.0	3103459.330
Al	27	1	He	5190.919749	1.0	1516561.690
Si	28	2	H2	2573.560919	0.4	8800586.000
K	39	1	He	5109.308761	0.3	4239085.405
Ca	43	1	He	5154.959441	0.3	12369.540
Ti	47	1	He	102.607915	1.3	27348.280
V	51	1	He	100.637518	1.0	768869.435
Cr	52	1	He	102.595778	0.5	930663.940
Mn	55	1	He	103.521435	0.9	675671.750
Fe	56	1	He	2563.759043	1.2	22119012.000
Co	59	1	He	102.078033	0.3	1478749.500
Ni	60	1	He	103.946477	0.1	380044.030
Cu	63	1	He	104.049357	0.2	1046647.685
Zn	66	1	He	103.237000	0.4	235249.330
As	75	1	He	101.185672	0.1	204340.905
Se	78	2	H2	102.776820	0.7	93916.927
Sr	88	1	He	101.917669	0.3	1235504.550
Mo	95	1	He	99.221680	0.1	660535.220
Pd	105	1	He	101.785135	1.9	1016464.205
Ag	107	1	He	52.876969	0.7	1085834.090
Cd	111	1	He	102.444744	0.7	402567.450
Sn	118	1	He	100.248825	0.2	987674.790
Sb	121	1	He	99.418011	0.2	1456899.355
Ba	138	1	He	99.447453	0.5	3236489.010
Pt	195	1	He	102.923794	0.6	1385455.500
Hg	202	1	He	2.051685	1.4	13568.920
Tl	205	1	He	51.995727	0.8	2530419.805
Pb	208	1	He	104.326340	0.6	6822457.405
Bi	209	1	He	83.433652	1.0	4660021.805
Th	232	1	He	80.838916	0.3	5521651.480
U	238	1	He	101.912765	0.6	6657971.150

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.84707072	590475.285
Sc	45	2	H2	95.96144697	4725976.833
Ge	72	1	He	97.30288933	492852.465
Ge	72	2	H2	96.97402029	1654325.710
In	115	1	He	97.92376615	5790582.305
Tb	159	1	He	99.07485672	13674763.550
Ir	193	1	He	96.63588558	6989253.335

Sample Name	CAL5
Sample Type	CalStd
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	010CALS.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 14:20:26
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	257.477806	0.6	120037.243
Be	9	2	H2	248.376826	0.6	118275.013
B	11	2	H2	255.114443	0.5	110483.087
Na	23	1	He	12630.31068	0.5	13428051.883
Mg	24	1	He	12657.76703	0.8	7552746.760
Al	27	1	He	12622.33112	0.6	3691954.000
Si	28	2	H2	6216.682332	0.1	21599221.333
K	39	1	He	12497.62676	0.4	10276584.223
Ca	43	1	He	12614.91443	0.5	30279.447
Ti	47	1	He	252.265287	0.7	67315.520
V	51	1	He	250.649798	0.4	1917993.613
Cr	52	1	He	252.669139	0.1	2290941.667
Mn	55	1	He	251.138103	0.1	1640630.333
Fe	56	1	He	6296.522007	0.2	54372749.333
Co	59	1	He	250.819222	0.4	3629996.000
Ni	60	1	He	252.577033	0.5	922296.167
Cu	63	1	He	252.386748	0.5	2536119.917
Zn	66	1	He	252.691957	0.2	575035.397
As	75	1	He	249.851574	0.3	503822.593
Se	78	2	H2	252.014226	1.0	230721.320
Sr	88	1	He	250.738284	0.4	3036539.747
Mo	95	1	He	249.121006	0.5	1641511.920
Pd	105	1	He	247.385817	0.7	2445103.243
Ag	107	1	He	131.053035	0.3	2663674.857
Cd	111	1	He	251.357866	0.4	977670.177
Sn	118	1	He	249.712255	0.4	2435109.287
Sb	121	1	He	249.192079	0.5	3614447.133
Ba	138	1	He	250.097866	0.8	8056243.213
Pt	195	1	He	251.459804	0.6	3415591.333
Hg	202	1	He	5.029907	0.9	33426.450
Tl	205	1	He	126.442710	0.4	6209235.117
Pb	208	1	He	254.650862	0.6	16801983.603
Bi	209	1	He	200.834589	0.9	11334544.413
Th	232	1	He	199.197286	0.6	13750568.543
U	238	1	He	251.618271	0.4	16613304.750

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.95819115	591159.853
Sc	45	2	H2	97.58809555	4806087.167
Ge	72	1	He	97.21154037	492389.770
Ge	72	2	H2	97.17534538	1657760.210
In	115	1	He	96.92707312	5731644.283
Tb	159	1	He	99.97910396	13799571.877
Ir	193	1	He	97.66864354	7063948.227

Sample Name	CAL6
Sample Type	CalStd
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	011CALS.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 14:24:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	494.584892	0.3	236761.793
Be	9	2	H2	478.959922	0.4	234246.427
B	11	2	H2	496.483596	0.3	218257.257
Na	23	1	He	24943.71725	0.3	26802559.600
Mg	24	1	He	24937.59176	0.3	15043746.447
Al	27	1	He	24899.74030	0.2	7363820.667
Si	28	2	H2	11766.54569	0.3	41976410.667
K	39	1	He	24843.86207	0.6	20583217.607
Ca	43	1	He	25012.04717	0.3	60684.820
Ti	47	1	He	498.304549	0.6	134443.930
V	51	1	He	499.534553	0.2	3865500.567
Cr	52	1	He	498.091584	0.7	4563740.500
Mn	55	1	He	498.655821	0.4	3293457.583
Fe	56	1	He	12450.88663	0.4	108700666.667
Co	59	1	He	499.108519	0.4	7260329.333
Ni	60	1	He	497.829261	0.8	1826945.793
Cu	63	1	He	497.896925	0.3	5028514.000
Zn	66	1	He	497.923880	0.4	1138726.333
As	75	1	He	499.808573	0.6	1012823.793
Se	78	2	H2	498.381183	0.6	462185.377
Sr	88	1	He	499.208500	0.6	6076409.700
Mo	95	1	He	500.604834	0.8	3289417.750
Pd	105	1	He	500.906795	0.9	4937042.010
Ag	107	1	He	246.364074	1.0	4993671.490
Cd	111	1	He	498.798690	0.4	1934720.317
Sn	118	1	He	500.098633	1.4	4862804.197
Sb	121	1	He	500.534820	1.4	7239419.477
Ba	138	1	He	500.061924	1.0	16062892.260
Pt	195	1	He	498.638155	0.3	6781919.833
Hg	202	1	He	9.973605	0.8	66270.507
Tl	205	1	He	248.842334	0.4	12235848.570
Pb	208	1	He	496.734901	0.6	32816529.507
Bi	209	1	He	398.829002	1.2	22268338.837
Th	232	1	He	400.216310	1.5	27332266.257
U	238	1	He	498.787480	1.3	32582057.847

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.02397674	597725.730
Sc	45	2	H2	100.2319553	4936293.833
Ge	72	1	He	97.70884512	494908.687
Ge	72	2	H2	98.44296697	1679385.167
In	115	1	He	96.65984010	5715841.840
Tb	159	1	He	100.1112543	13817811.873
Ir	193	1	He	96.63906709	6989483.440

Sample Name	CAL7
Sample Type	CalStd
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	012CALS.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 14:30:29
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.268541	6.0	206.000
Be	9	2	H2	0.193787	10.4	110.500
B	11	2	H2	0.663447	14.0	3142.160
Na	23	1	He	49975.80067	0.7	53685932.537
Mg	24	1	He	49968.94874	0.9	30140342.883
Al	27	1	He	49998.42278	0.7	14785661.667
Si	28	2	H2	22145.13452	0.4	82245138.667
K	39	1	He	50066.12226	0.7	41403626.883
Ca	43	1	He	49948.30643	0.8	121160.933
Ti	47	1	He	2.284420	6.0	617.347
V	51	1	He	0.142158	34.6	569.863
Cr	52	1	He	0.301799	3.0	5359.657
Mn	55	1	He	0.655745	2.3	4648.753
Fe	56	1	He	25005.83664	0.6	218289456.000
Co	59	1	He	0.705848	0.1	10325.673
Ni	60	1	He	1.277789	0.6	4897.503
Cu	63	1	He	0.343571	3.5	3675.140
Zn	66	1	He	1.960501	2.3	4655.423
As	75	1	He	0.126963	8.2	442.843
Se	78	2	H2	0.117143	12.4	145.667
Sr	88	1	He	0.550900	1.6	6846.687
Mo	95	1	He	0.132135	13.1	880.033
Pd	105	1	He	0.080020	9.6	996.713
Ag	107	1	He	0.089426	5.6	1898.477
Cd	111	1	He	0.061279	10.8	248.843
Sn	118	1	He	2.136907	1.1	20745.470
Sb	121	1	He	0.185804	10.1	2730.290
Ba	138	1	He	0.102772	7.2	3400.453
Pt	195	1	He	0.046457	24.1	808.030
Hg	202	1	He	0.049326	7.2	431.677
Tl	205	1	He	0.063062	11.1	3473.817
Pb	208	1	He	0.261914	3.1	19704.047
Bi	209	1	He	0.046473	16.0	4417.510
Th	232	1	He	0.225538	6.0	16191.543
U	238	1	He	0.059079	16.3	4392.463

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.02251909	597716.750
Sc	45	2	H2	104.3642908	5139806.000
Ge	72	1	He	97.79060533	495322.813
Ge	72	2	H2	102.3503683	1746043.377
In	115	1	He	96.19682074	5688461.850
Tb	159	1	He	101.2670480	13977339.790
Ir	193	1	He	98.46475344	7121527.393

Sample Name	ICV
Sample Type	ICV
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	013_ICV.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 14:38:04
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	83.654540	1.6	41726.840
Be	9	2	H2	81.715543	1.1	41593.053
B	11	2	H2	81.911715	1.5	39837.760
Na	23	1	He	1012.939638	0.8	1179610.503
Mg	24	1	He	1012.610915	0.4	657025.030
Al	27	1	He	1011.284355	0.8	321016.040
Si	28	2	H2	508.414466	1.7	1901305.460
K	39	1	He	1009.407091	0.5	972675.167
Ca	43	1	He	1028.663580	0.6	2696.780
Ti	47	1	He	80.578276	0.5	23330.423
V	51	1	He	80.012405	1.1	663939.700
Cr	52	1	He	82.341317	0.6	811939.563
Mn	55	1	He	81.024826	0.5	574554.500
Fe	56	1	He	507.640702	0.2	4766990.500
Co	59	1	He	83.448579	0.5	1308709.413
Ni	60	1	He	84.301679	0.7	333711.677
Cu	63	1	He	84.234274	0.4	917332.460
Zn	66	1	He	82.072147	0.3	202501.673
As	75	1	He	80.812145	0.5	176713.180
Se	78	2	H2	81.272487	1.3	80148.960
Sr	88	1	He	81.593090	0.1	1070829.647
Mo	95	1	He	78.149854	0.3	565785.000
Pd	105	1	He	82.905124	0.5	900453.243
Ag	107	1	He	42.385230	1.0	946566.733
Cd	111	1	He	81.012013	0.6	346200.980
Sn	118	1	He	77.595487	0.1	831391.990
Sb	121	1	He	78.495968	0.0	1250963.993
Ba	138	1	He	78.749387	0.2	2787202.460
Pt	195	1	He	83.715620	0.3	1209759.540
Hg	202	1	He	3.934928	0.5	27841.007
Tl	205	1	He	42.563110	0.7	2223681.687
Pb	208	1	He	83.149796	0.7	5837776.250
Bi	209	1	He	80.685351	0.7	4923754.820
Th	232	1	He	77.819220	1.0	5807213.453
U	238	1	He	78.717521	1.2	5618573.877

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	104.1163411	641418.937
Sc	45	2	H2	104.2975784	5136520.500
Ge	72	1	He	105.3379451	533551.123
Ge	72	2	H2	104.6445824	1785181.460
In	115	1	He	106.4914607	6297220.710
Tb	159	1	He	106.3549498	14679595.197
Ir	193	1	He	105.5806300	7636187.803

Sample Name	ICB
Sample Type	ICB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	014_ICB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 14:41:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.150074	12.5	145.667
Be	9	2	H2	0.107840	13.0	66.167
B	11	2	H2	0.257726	39.7	2932.453
Na	23	1	He	1.449171	20.5	13769.753
Mg	24	1	He	-0.250533		1405.080
Al	27	1	He	0.293614	13.1	171.000
Si	28	2	H2	2.004811	19.5	22096.143
K	39	1	He	-1.607371		77007.963
Ca	43	1	He	-0.259156		18.700
Ti	47	1	He	0.011424	87.6	4.333
V	51	1	He	0.015430	444.1	-439.677
Cr	52	1	He	0.013038	25.3	2914.300
Mn	55	1	He	0.001960	108.8	356.010
Fe	56	1	He	0.391366	12.1	15239.960
Co	59	1	He	0.012428	2.9	246.000
Ni	60	1	He	0.002776	350.3	229.333
Cu	63	1	He	0.009119	42.0	314.003
Zn	66	1	He	0.003690	295.3	188.667
As	75	1	He	-0.000500		196.667
Se	78	2	H2	0.006518	105.1	39.333
Sr	88	1	He	0.006191	3.0	225.000
Mo	95	1	He	0.015741	4.5	130.000
Pd	105	1	He	0.036936	16.8	630.017
Ag	107	1	He	0.089943	18.5	2096.847
Cd	111	1	He	0.010755	18.7	58.980
Sn	118	1	He	0.012953	22.8	210.000
Sb	121	1	He	0.007292	6.9	175.000
Ba	138	1	He	0.004702	33.3	290.007
Pt	195	1	He	0.005773	16.5	254.667
Hg	202	1	He	0.036680	4.3	356.677
Tl	205	1	He	0.045427	21.3	2673.637
Pb	208	1	He	0.019349	11.4	3591.883
Bi	209	1	He	0.007304	46.4	2280.240
Th	232	1	He	0.013955	5.8	1525.107
U	238	1	He	0.006386	15.7	920.040

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	104.1340612	641528.103
Sc	45	2	H2	103.4396946	5094270.833
Ge	72	1	He	104.4119714	528860.940
Ge	72	2	H2	103.0276530	1757597.497
In	115	1	He	105.6374729	6246721.360
Tb	159	1	He	104.1510365	14375401.040
Ir	193	1	He	102.6114524	7421440.097

Sample Name	ICB
Sample Type	ICB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	015_ICB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 14:45:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.135649	14.9	133.333
Be	9	2	H2	0.090220	6.8	55.333
B	11	2	H2	-0.041503		2691.907
Na	23	1	He	1.070626	15.0	13270.997
Mg	24	1	He	-0.157368		1458.417
Al	27	1	He	0.261269	21.6	160.000
Si	28	2	H2	1.690985	20.7	20170.810
K	39	1	He	0.576037	202.5	78562.963
Ca	43	1	He	-0.868242		17.033
Ti	47	1	He	0.009153	57.9	3.667
V	51	1	He	0.044766	151.6	-195.597
Cr	52	1	He	0.014302	106.1	2912.300
Mn	55	1	He	-0.005354		302.667
Fe	56	1	He	0.310561	3.8	14411.777
Co	59	1	He	0.006508	13.5	152.000
Ni	60	1	He	0.003537	176.1	229.333
Cu	63	1	He	0.005094	37.4	266.667
Zn	66	1	He	0.000310	3803.8	178.000
As	75	1	He	-0.000915		193.333
Se	78	2	H2	0.001336	100.0	33.000
Sr	88	1	He	0.002006	74.0	168.333
Mo	95	1	He	0.006125	48.7	60.000
Pd	105	1	He	0.023762	26.4	481.680
Ag	107	1	He	0.031576	14.8	791.697
Cd	111	1	He	0.004665	43.7	32.653
Sn	118	1	He	0.007223	38.8	146.667
Sb	121	1	He	0.004249	16.3	125.000
Ba	138	1	He	0.001692	50.9	181.667
Pt	195	1	He	0.002249	90.3	200.667
Hg	202	1	He	0.019553	1.1	233.667
Tl	205	1	He	0.013165	14.2	1001.713
Pb	208	1	He	0.016508	3.2	3328.517
Bi	209	1	He	0.001967	10.9	1923.510
Th	232	1	He	0.006486	9.1	963.380
U	238	1	He	0.002739	12.3	653.357

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.6364937	638462.790
Sc	45	2	H2	99.89452852	4919676.000
Ge	72	1	He	103.0388575	521905.930
Ge	72	2	H2	99.10634736	1690702.087
In	115	1	He	104.1176776	6156850.433
Tb	159	1	He	102.0647140	14087437.290
Ir	193	1	He	100.5031179	7268953.433

Sample Name	CRDL
Sample Type	CRDL
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	016CRD.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 14:49:08
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.590297	3.6	364.000
Be	9	2	H2	0.289416	6.9	158.167
B	11	2	H2	9.418506	1.5	7054.813
Na	23	1	He	54.247631	0.7	74561.707
Mg	24	1	He	29.962859	0.6	20944.723
Al	27	1	He	30.984322	1.5	9902.287
Si	28	2	H2	101.451718	1.0	389094.033
K	39	1	He	102.580921	1.0	169154.660
Ca	43	1	He	102.104682	3.6	284.883
Ti	47	1	He	1.095744	5.0	318.000
V	51	1	He	0.968075	10.1	7464.097
Cr	52	1	He	2.070587	0.6	23113.507
Mn	55	1	He	0.530648	4.7	4099.253
Fe	56	1	He	51.460540	0.3	493223.813
Co	59	1	He	0.548069	0.8	8478.477
Ni	60	1	He	0.545571	2.7	2332.193
Cu	63	1	He	1.081043	1.7	11751.423
Zn	66	1	He	5.302704	1.8	12992.493
As	75	1	He	0.492857	1.2	1251.057
Se	78	2	H2	0.529401	1.9	546.010
Sr	88	1	He	0.514236	0.5	6758.330
Mo	95	1	He	0.489267	2.5	3469.100
Pd	105	1	He	0.538514	4.4	5927.960
Ag	107	1	He	0.423184	5.0	9313.133
Cd	111	1	He	0.086963	1.9	375.383
Sn	118	1	He	0.474645	0.8	5027.610
Sb	121	1	He	0.506121	2.3	7920.633
Ba	138	1	He	0.303739	0.9	10600.810
Pt	195	1	He	0.507537	0.6	7221.303
Hg	202	1	He	0.236340	3.1	1703.447
Tl	205	1	He	0.098463	5.1	5287.777
Pb	208	1	He	0.528239	1.5	37867.760
Bi	209	1	He	0.510501	2.2	31354.077
Th	232	1	He	0.491732	1.3	35316.147
U	238	1	He	0.496410	1.2	34084.690

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	104.0301622	640888.023
Sc	45	2	H2	103.7095731	5107562.000
Ge	72	1	He	103.2689678	523071.470
Ge	72	2	H2	102.8921101	1755285.207
In	115	1	He	103.8010600	6138127.700
Tb	159	1	He	102.2680021	14115496.040
Ir	193	1	He	100.1804368	7245615.310

Sample Name	ICSA
Sample Type	ICSA
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	017ICSA.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 14:52:50
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.200999	11.0	164.500
Be	9	2	H2	0.044342	36.4	32.833
B	11	2	H2	-0.709593		2407.027
Na	23	1	He	25108.44043	0.3	27060095.433
Mg	24	1	He	24800.33855	0.4	15005601.863
Al	27	1	He	24861.83170	0.4	7374513.667
Si	28	2	H2	6.850831	4.2	38456.480
K	39	1	He	24962.21156	0.3	20742856.773
Ca	43	1	He	24766.63751	0.6	60269.123
Ti	47	1	He	499.893567	0.1	135277.193
V	51	1	He	0.067503	122.8	-8.977
Cr	52	1	He	0.236042	2.2	4771.453
Mn	55	1	He	0.050260	4.9	652.687
Fe	56	1	He	25154.63443	0.3	220255168.000
Co	59	1	He	0.060729	1.8	924.697
Ni	60	1	He	0.060822	7.1	424.010
Cu	63	1	He	0.077410	3.5	974.703
Zn	66	1	He	0.188229	7.6	593.347
As	75	1	He	0.016338	49.3	216.333
Se	78	2	H2	0.018431	61.7	49.000
Sr	88	1	He	0.234656	0.9	2965.333
Mo	95	1	He	513.805101	0.6	3393935.417
Pd	105	1	He	0.006022	129.3	273.340
Ag	107	1	He	0.033748	12.0	783.360
Cd	111	1	He	-0.000676		9.777
Sn	118	1	He	0.023713	23.2	298.337
Sb	121	1	He	0.012485	36.6	236.670
Ba	138	1	He	0.015855	25.1	626.683
Pt	195	1	He	0.001961	91.8	190.000
Hg	202	1	He	0.017407	12.4	211.667
Tl	205	1	He	0.016389	25.4	1123.390
Pb	208	1	He	0.013903	27.4	3045.150
Bi	209	1	He	-0.000867		1680.140
Th	232	1	He	0.012945	10.1	1358.423
U	238	1	He	0.004014	27.2	706.690

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.31415743	599513.417
Sc	45	2	H2	99.62771608	4906535.833
Ge	72	1	He	96.85725183	490595.250
Ge	72	2	H2	99.30738639	1694131.707
In	115	1	He	97.16725917	5745847.343
Tb	159	1	He	98.57423930	13605666.050
Ir	193	1	He	96.03713104	6945948.023

Sample Name	ICSAB
Sample Type	ICSB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	018ICSB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 14:56:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	99.388321	0.7	48807.190
Be	9	2	H2	99.051081	0.2	49646.197
B	11	2	H2	95.942885	1.0	45473.420
Na	23	1	He	27575.46786	1.5	30344212.883
Mg	24	1	He	27126.20966	1.4	16759053.500
Al	27	1	He	27234.91746	1.4	8248909.500
Si	28	2	H2	1264.127270	0.4	4633870.667
K	39	1	He	27554.43442	1.3	23372273.817
Ca	43	1	He	27540.70715	1.9	68428.703
Ti	47	1	He	598.163568	1.5	165281.800
V	51	1	He	99.616577	0.8	789072.943
Cr	52	1	He	101.060134	1.5	950428.190
Mn	55	1	He	100.360630	1.6	679096.917
Fe	56	1	He	26308.77306	1.6	235212149.333
Co	59	1	He	102.316768	1.5	1519223.790
Ni	60	1	He	102.916581	1.7	385665.617
Cu	63	1	He	101.324134	1.9	1044628.710
Zn	66	1	He	101.163159	2.1	236266.627
As	75	1	He	100.195784	2.1	207382.860
Se	78	2	H2	100.517615	0.6	96901.520
Sr	88	1	He	99.904833	1.0	1241429.643
Mo	95	1	He	622.688882	1.5	4129886.167
Pd	105	1	He	99.525658	1.7	990240.660
Ag	107	1	He	51.867363	1.7	1061164.150
Cd	111	1	He	100.801975	1.8	394636.733
Sn	118	1	He	99.482732	1.2	976524.880
Sb	121	1	He	99.218294	1.4	1448611.173
Ba	138	1	He	99.829887	2.0	3236739.223
Pt	195	1	He	98.920607	1.2	1347571.877
Hg	202	1	He	4.061767	0.7	27090.797
Tl	205	1	He	49.499543	0.8	2438084.860
Pb	208	1	He	99.689945	1.0	6597800.373
Bi	209	1	He	105.969666	1.0	5952800.537
Th	232	1	He	95.684354	0.8	6573706.360
U	238	1	He	100.206490	1.4	6584396.777

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.37923668	612235.540
Sc	45	2	H2	102.7012893	5057905.333
Ge	72	1	He	99.74924534	505243.593
Ge	72	2	H2	102.3084169	1745327.707
In	115	1	He	97.57946606	5770222.610
Tb	159	1	He	100.2754491	13840474.793
Ir	193	1	He	97.20705074	7030563.227

Sample Name	CCV
Sample Type	CCV
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	019_CCV.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 15:00:18
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.495457	1.1	41513.927
Be	9	2	H2	80.230180	0.6	41198.473
B	11	2	H2	79.995691	1.0	39317.923
Na	23	1	He	1015.766520	0.7	1179989.017
Mg	24	1	He	1005.328154	0.4	650725.667
Al	27	1	He	1007.625486	0.5	319075.637
Si	28	2	H2	502.114768	1.3	1894560.047
K	39	1	He	1019.867307	0.3	979555.637
Ca	43	1	He	1045.300630	1.8	2733.437
Ti	47	1	He	80.250626	0.8	23179.177
V	51	1	He	79.230630	1.0	655848.787
Cr	52	1	He	82.135635	0.7	807947.353
Mn	55	1	He	80.820008	0.8	571707.393
Fe	56	1	He	503.488874	0.8	4716613.667
Co	59	1	He	83.078496	1.5	1295411.250
Ni	60	1	He	83.987954	0.8	330568.803
Cu	63	1	He	83.872675	1.0	908161.733
Zn	66	1	He	82.304528	1.3	201909.427
As	75	1	He	80.088456	0.8	174130.713
Se	78	2	H2	81.534971	1.0	80493.517
Sr	88	1	He	80.490944	1.3	1050297.953
Mo	95	1	He	77.622043	0.6	552634.940
Pd	105	1	He	82.718174	0.8	883490.923
Ag	107	1	He	42.419951	0.2	931631.367
Cd	111	1	He	80.218339	0.7	337121.400
Sn	118	1	He	77.274622	0.4	814202.227
Sb	121	1	He	77.875358	0.6	1220459.357
Ba	138	1	He	78.280477	0.8	2724557.460
Pt	195	1	He	81.609547	0.3	1147481.373
Hg	202	1	He	3.860921	0.6	26580.757
Tl	205	1	He	41.984646	1.5	2134178.353
Pb	208	1	He	82.257775	0.6	5619116.453
Bi	209	1	He	81.127002	0.7	4705619.303
Th	232	1	He	78.058993	1.5	5536569.500
U	238	1	He	79.586216	1.5	5399195.960

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.8636941	639862.480
Sc	45	2	H2	105.2140120	5181653.667
Ge	72	1	He	104.7387267	530516.000
Ge	72	2	H2	104.7610424	1787168.207
In	115	1	He	104.7244985	6192733.920
Tb	159	1	He	103.4822033	14283085.623
Ir	193	1	He	100.3587881	7258514.683

Sample Name	CCB
Sample Type	CCB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	020_CCB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 15:04:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.124826	29.6	135.500
Be	9	2	H2	0.091357	19.9	58.833
B	11	2	H2	-0.596269		2592.393
Na	23	1	He	2.444205	7.5	14782.370
Mg	24	1	He	-0.329465		1341.737
Al	27	1	He	0.437251	4.7	214.667
Si	28	2	H2	0.374274	40.7	16357.150
K	39	1	He	1.701281	41.5	79209.397
Ca	43	1	He	-0.520142		17.850
Ti	47	1	He	0.011554	114.3	4.333
V	51	1	He	-0.005441		-607.400
Cr	52	1	He	-0.003857		2722.930
Mn	55	1	He	-0.009910		269.333
Fe	56	1	He	0.687975	4.4	17852.233
Co	59	1	He	0.009088	12.2	192.667
Ni	60	1	He	-0.005206		196.667
Cu	63	1	He	0.008492	5.2	304.667
Zn	66	1	He	0.006713	79.8	194.667
As	75	1	He	-0.006226		183.000
Se	78	2	H2	0.007196	55.8	40.667
Sr	88	1	He	0.001286	110.6	160.000
Mo	95	1	He	0.029655	11.2	224.667
Pd	105	1	He	0.039023	17.7	638.357
Ag	107	1	He	0.113602	14.8	2560.257
Cd	111	1	He	0.008334	4.9	47.623
Sn	118	1	He	0.008764	10.4	161.667
Sb	121	1	He	0.004642	38.1	130.000
Ba	138	1	He	0.003579	7.8	245.003
Pt	195	1	He	0.003939	37.3	225.333
Hg	202	1	He	0.038836	12.7	366.007
Tl	205	1	He	0.044913	22.1	2606.947
Pb	208	1	He	0.010319	19.9	2926.810
Bi	209	1	He	0.001858	21.6	1926.847
Th	232	1	He	0.012378	9.5	1388.420
U	238	1	He	0.002353	50.5	630.023

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.1822391	635664.310
Sc	45	2	H2	105.1626367	5179123.500
Ge	72	1	He	103.6331343	524916.023
Ge	72	2	H2	104.8643991	1788931.417
In	115	1	He	103.2744839	6106989.373
Tb	159	1	He	102.5948431	14160608.123
Ir	193	1	He	101.0078518	7305458.643

Sample Name	LDR-800ppb-364507
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	021SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 15:16:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.106812	8.1	123.167
Be	9	2	H2	0.078431	9.0	50.833
B	11	2	H2	-1.657801		2055.640
Na	23	1	He	2.445147	17.2	14150.107
Mg	24	1	He	-0.388655		1248.400
Al	27	1	He	0.905096	2.0	346.337
Si	28	2	H2	1.000778	31.2	18233.430
K	39	1	He	0.546344	110.6	74855.147
Ca	43	1	He	1.455623	62.6	21.967
Ti	47	1	He	0.020702	9.8	6.667
V	51	1	He	0.091307	68.8	181.373
Cr	52	1	He	0.048885	8.6	3098.333
Mn	55	1	He	1022.385142	0.5	6873832.000
Fe	56	1	He	0.545225	6.9	15820.570
Co	59	1	He	0.068845	8.9	1082.043
Ni	60	1	He	1046.173098	0.4	3952720.417
Cu	63	1	He	1069.094531	0.2	11116774.000
Zn	66	1	He	1193.407193	0.2	2809820.083
As	75	1	He	945.223603	0.4	1971963.123
Se	78	2	H2	1031.078602	0.6	998981.417
Sr	88	1	He	0.028395	14.9	495.017
Mo	95	1	He	0.013451	26.6	112.000
Pd	105	1	He	0.020303	15.5	445.010
Ag	107	1	He	0.011333	9.4	350.010
Cd	111	1	He	0.014930	16.6	75.647
Sn	118	1	He	0.014995	9.6	228.333
Sb	121	1	He	0.008302	5.7	188.333
Ba	138	1	He	964.056524	0.5	33380781.170
Pt	195	1	He	0.002269	58.9	208.667
Hg	202	1	He	0.008838	11.9	167.333
Tl	205	1	He	0.006188	32.8	676.693
Pb	208	1	He	1058.214328	0.4	73975820.980
Bi	209	1	He	0.039022	13.9	4350.793
Th	232	1	He	0.080672	2.8	6656.743
U	238	1	He	0.007875	15.5	1070.057

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	98.77279556	608499.500
Sc	45	2	H2	102.5050168	5048239.167
Ge	72	1	He	100.6010255	509557.977
Ge	72	2	H2	102.8576794	1754697.837
In	115	1	He	104.1849833	6160830.460
Tb	159	1	He	105.9379588	14622040.197
Ir	193	1	He	107.3316513	7762831.553

Sample Name	blank-364482
Sample Type	CCB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	022_CCB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 15:19:54
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.056367	39.7	96.333
Be	9	2	H2	0.041948	19.4	31.833
B	11	2	H2	-1.699592		1990.463
Na	23	1	He	0.299984	69.1	11921.497
Mg	24	1	He	-0.515110		1181.727
Al	27	1	He	0.186730	9.0	131.333
Si	28	2	H2	0.115317	105.6	14656.710
K	39	1	He	-0.507491		74689.397
Ca	43	1	He	-0.596031		17.067
Ti	47	1	He	-0.001160		0.667
V	51	1	He	0.019926	295.9	-385.273
Cr	52	1	He	0.008055	20.0	2744.263
Mn	55	1	He	0.046704	11.0	644.683
Fe	56	1	He	0.250337	4.7	13329.420
Co	59	1	He	0.004079	27.9	111.333
Ni	60	1	He	0.055761	17.7	418.677
Cu	63	1	He	0.056821	4.8	793.357
Zn	66	1	He	0.060644	13.6	314.000
As	75	1	He	0.162539	10.7	526.343
Se	78	2	H2	0.067772	17.6	95.667
Sr	88	1	He	0.002675	74.2	171.667
Mo	95	1	He	0.005305	21.8	53.333
Pd	105	1	He	0.005878	56.0	286.677
Ag	107	1	He	0.000745	124.7	116.667
Cd	111	1	He	0.001384	97.1	18.657
Sn	118	1	He	0.001141	261.1	81.667
Sb	121	1	He	0.001336	101.9	78.333
Ba	138	1	He	0.029222	10.5	1115.060
Pt	195	1	He	0.001716	97.7	194.000
Hg	202	1	He	0.007939	22.4	155.667
Tl	205	1	He	0.002228	58.5	455.013
Pb	208	1	He	0.084808	8.6	7957.620
Bi	209	1	He	-0.002336		1700.140
Th	232	1	He	0.001952	18.4	651.687
U	238	1	He	0.001450	54.2	575.020

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.73902047	614452.023
Sc	45	2	H2	100.1748844	4933483.167
Ge	72	1	He	99.97457324	506384.910
Ge	72	2	H2	99.93188320	1704785.293
In	115	1	He	102.3718796	6053615.153
Tb	159	1	He	102.4356323	14138633.123
Ir	193	1	He	102.1310010	7386691.140

Sample Name	4309486_B69970Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	023SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 15:23:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.047536	5.2	93.500
Be	9	2	H2	0.043917	23.4	33.333
B	11	2	H2	-2.195230		1804.110
Na	23	1	He	4.954580	5.2	17094.850
Mg	24	1	He	3.375993	16.9	3602.133
Al	27	1	He	10.365843	0.7	3232.353
Si	28	2	H2	0.544690	17.7	16449.153
K	39	1	He	2.023779	6.6	76991.147
Ca	43	1	He	10.911457	3.2	45.850
Ti	47	1	He	0.079158	32.6	23.000
V	51	1	He	0.062047	120.0	-48.657
Cr	52	1	He	0.147737	0.8	4067.237
Mn	55	1	He	0.054995	23.5	702.690
Fe	56	1	He	1.932774	0.3	28483.660
Co	59	1	He	0.008122	9.8	172.000
Ni	60	1	He	0.028523	33.0	317.337
Cu	63	1	He	0.218057	4.4	2466.883
Zn	66	1	He	1.404981	1.4	3469.763
As	75	1	He	0.076385	7.7	348.833
Se	78	2	H2	0.032773	20.8	63.667
Sr	88	1	He	0.038123	7.9	615.020
Mo	95	1	He	0.009384	5.9	82.000
Pd	105	1	He	0.003734	138.1	265.007
Ag	107	1	He	0.003747	35.7	181.667
Cd	111	1	He	0.006701	23.7	40.653
Sn	118	1	He	0.025637	24.0	335.010
Sb	121	1	He	0.010426	18.2	218.333
Ba	138	1	He	0.040282	10.6	1496.760
Pt	195	1	He	0.005136	17.7	242.000
Hg	202	1	He	0.010888	18.5	176.000
Tl	205	1	He	0.004590	27.6	575.017
Pb	208	1	He	0.037162	8.6	4743.677
Bi	209	1	He	0.004995	19.5	2126.887
Th	232	1	He	0.003345	20.9	750.030
U	238	1	He	0.003561	21.9	718.360

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.93657975	615669.107
Sc	45	2	H2	101.7774308	5012406.500
Ge	72	1	He	100.2799325	507931.597
Ge	72	2	H2	101.2927278	1728000.587
In	115	1	He	102.7229135	6074373.043
Tb	159	1	He	102.6032021	14161761.873
Ir	193	1	He	101.8203834	7364225.517

Sample Name	4309487_B69970Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	024SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 15:28:38
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	108.345476	0.6	51588.833
Be	9	2	H2	105.391312	0.6	51222.907
B	11	2	H2	104.214422	1.3	47661.790
Na	23	1	He	2071.154958	0.4	2276891.320
Mg	24	1	He	2056.360843	0.7	1264634.827
Al	27	1	He	2039.033745	0.6	614151.063
Si	28	2	H2	519.240140	0.3	1854057.293
K	39	1	He	2045.235720	0.4	1793888.253
Ca	43	1	He	2062.232767	1.5	5111.927
Ti	47	1	He	102.107502	0.7	28055.287
V	51	1	He	102.787415	1.1	809528.113
Cr	52	1	He	106.101419	0.2	992089.957
Mn	55	1	He	103.093151	0.5	693661.560
Fe	56	1	He	2060.664448	0.4	18329777.333
Co	59	1	He	107.458619	0.2	1600719.497
Ni	60	1	He	108.467553	0.5	407780.623
Cu	63	1	He	106.719965	0.7	1103870.583
Zn	66	1	He	106.051464	0.5	248494.433
As	75	1	He	102.662123	0.1	213181.760
Se	78	2	H2	103.869414	0.5	97645.483
Sr	88	1	He	103.767798	1.2	1293526.727
Mo	95	1	He	100.108895	0.7	690596.147
Pd	105	1	He	20.975813	0.7	217253.287
Ag	107	1	He	53.072734	0.7	1129398.993
Cd	111	1	He	102.630196	0.4	417926.743
Sn	118	1	He	98.372910	0.2	1004324.413
Sb	121	1	He	100.226537	0.5	1522006.120
Ba	138	1	He	100.712518	0.6	3396502.760
Pt	195	1	He	20.906839	0.7	293546.040
Hg	202	1	He	0.015344	5.9	207.667
Tl	205	1	He	107.638440	0.7	5460979.293
Pb	208	1	He	105.524839	0.5	7194614.270
Bi	209	1	He	102.116310	0.9	6033134.287
Th	232	1	He	102.860682	0.8	7432129.263
U	238	1	He	101.529746	0.7	7016812.187

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	98.80633884	608706.147
Sc	45	2	H2	99.59163391	4904758.833
Ge	72	1	He	100.0542966	506788.720
Ge	72	2	H2	99.76714814	1701975.000
In	115	1	He	101.4739321	6000516.310
Tb	159	1	He	103.2914854	14256761.873
Ir	193	1	He	102.2280879	7393713.013

Sample Name	10605796019_B69970Dx20
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	025SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 15:32:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.899072	6.5	496.677
Be	9	2	H2	0.086787	12.4	53.500
B	11	2	H2	112.570436	0.4	51304.640
Na	23	1	He	2086.215493	1.0	2258284.187
Mg	24	1	He	9733.226232	0.7	5888916.577
Al	27	1	He	4.032061	11.3	1268.057
Si	28	2	H2	577.744599	0.9	2062815.460
K	39	1	He	349.051831	0.7	362251.403
Ca	43	1	He	28198.10285	1.1	68602.637
Ti	47	1	He	0.061694	17.8	17.667
V	51	1	He	0.109160	63.3	318.220
Cr	52	1	He	0.215188	7.1	4578.727
Mn	55	1	He	82.639516	0.6	547598.520
Fe	56	1	He	4.205282	4.6	47619.260
Co	59	1	He	0.140817	9.5	2118.163
Ni	60	1	He	1.342155	1.3	5180.933
Cu	63	1	He	0.207158	5.2	2316.193
Zn	66	1	He	0.721208	5.2	1835.453
As	75	1	He	0.098844	11.1	389.173
Se	78	2	H2	2.995794	1.4	2863.290
Sr	88	1	He	45.739148	1.2	562422.283
Mo	95	1	He	0.064192	25.8	451.343
Pd	105	1	He	0.039814	16.2	625.020
Ag	107	1	He	0.184448	31.0	3955.623
Cd	111	1	He	0.046604	19.4	199.250
Sn	118	1	He	0.051788	11.5	588.353
Sb	121	1	He	0.044118	27.5	715.027
Ba	138	1	He	1.353385	1.8	45024.780
Pt	195	1	He	0.007883	5.4	274.667
Hg	202	1	He	0.004718	32.4	131.333
Tl	205	1	He	0.056577	11.2	3130.400
Pb	208	1	He	0.089603	2.5	8127.653
Bi	209	1	He	0.036567	18.0	3860.640
Th	232	1	He	0.064089	9.5	4962.657
U	238	1	He	1.374773	1.0	92196.477

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.29642701	599404.187
Sc	45	2	H2	99.66414682	4908330.000
Ge	72	1	He	98.68885612	499872.577
Ge	72	2	H2	100.3278166	1711539.710
In	115	1	He	99.84700535	5904310.313
Tb	159	1	He	100.5351704	13876322.707
Ir	193	1	He	98.71525815	7139645.310

Sample Name	4310780_B69970Dx100
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	026SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 15:36:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.233508	6.6	182.833
Be	9	2	H2	0.066207	11.3	44.167
B	11	2	H2	21.093563	1.2	12001.257
Na	23	1	He	414.661292	1.0	464643.273
Mg	24	1	He	1878.632579	1.0	1154523.967
Al	27	1	He	4.652729	2.8	1473.740
Si	28	2	H2	110.174856	0.8	411102.023
K	39	1	He	68.526058	1.1	131921.640
Ca	43	1	He	5404.762953	2.1	13356.317
Ti	47	1	He	0.041402	21.2	12.333
V	51	1	He	0.032514	81.2	-281.223
Cr	52	1	He	0.069142	2.9	3285.713
Mn	55	1	He	15.821765	1.1	106640.120
Fe	56	1	He	1.359154	3.2	23041.467
Co	59	1	He	0.030658	10.5	506.010
Ni	60	1	He	0.298306	2.5	1326.730
Cu	63	1	He	0.117862	3.0	1421.407
Zn	66	1	He	1.498625	2.4	3671.143
As	75	1	He	0.051284	13.9	295.167
Se	78	2	H2	0.568404	3.7	573.677
Sr	88	1	He	8.790043	0.7	109401.870
Mo	95	1	He	0.019599	15.9	152.000
Pd	105	1	He	0.011648	32.4	345.010
Ag	107	1	He	0.038473	15.6	921.707
Cd	111	1	He	0.011436	11.0	59.640
Sn	118	1	He	0.032253	7.0	400.010
Sb	121	1	He	0.015143	14.3	288.343
Ba	138	1	He	0.279508	1.9	9580.047
Pt	195	1	He	0.001275	113.1	184.667
Hg	202	1	He	0.005237	56.5	135.000
Tl	205	1	He	0.012938	4.9	976.713
Pb	208	1	He	0.061306	2.9	6257.247
Bi	209	1	He	0.004312	101.8	2013.530
Th	232	1	He	0.014610	8.3	1505.103
U	238	1	He	0.259854	0.8	17705.520

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	98.72656142	608214.670
Sc	45	2	H2	101.1998928	4983963.500
Ge	72	1	He	99.78358729	505417.540
Ge	72	2	H2	101.1205017	1725062.500
In	115	1	He	101.8336991	6021790.617
Tb	159	1	He	100.6486526	13891986.040
Ir	193	1	He	98.18801607	7101512.183

Sample Name	4309488_B69970Dx20
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	027SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 15:39:42
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.099083	0.1	2993.300
Be	9	2	H2	5.221266	0.6	2569.220
B	11	2	H2	113.417995	0.4	52054.353
Na	23	1	He	2116.467081	0.3	2301166.217
Mg	24	1	He	9509.778497	0.6	5779539.077
Al	27	1	He	107.582133	0.4	32120.737
Si	28	2	H2	587.847187	0.2	2114287.417
K	39	1	He	445.618039	0.7	444179.927
Ca	43	1	He	27537.54330	1.1	67296.783
Ti	47	1	He	5.263498	2.8	1431.407
V	51	1	He	5.266670	3.6	40526.697
Cr	52	1	He	5.524660	0.4	53574.643
Mn	55	1	He	85.330203	1.1	567947.687
Fe	56	1	He	109.007229	0.6	969370.227
Co	59	1	He	5.440952	0.7	79964.897
Ni	60	1	He	6.723990	0.8	25119.597
Cu	63	1	He	5.533345	0.2	56629.580
Zn	66	1	He	6.907566	1.8	16117.613
As	75	1	He	5.271782	0.6	10971.820
Se	78	2	H2	8.007557	2.1	7583.337
Sr	88	1	He	49.870630	0.3	613054.327
Mo	95	1	He	5.198042	1.0	35319.657
Pd	105	1	He	1.072776	1.1	11147.810
Ag	107	1	He	2.401582	5.7	50421.700
Cd	111	1	He	5.132347	0.4	20588.973
Sn	118	1	He	5.110400	2.1	51429.087
Sb	121	1	He	5.064177	1.1	75765.617
Ba	138	1	He	6.401290	1.5	212648.590
Pt	195	1	He	1.044579	0.8	14409.797
Hg	202	1	He	0.000892	181.5	105.667
Tl	205	1	He	5.389376	0.9	265992.667
Pb	208	1	He	5.285933	0.6	352246.143
Bi	209	1	He	5.184875	0.6	295656.230
Th	232	1	He	5.094856	1.0	353735.930
U	238	1	He	6.363975	1.4	422474.277

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.73094921	602081.103
Sc	45	2	H2	100.4040715	4944770.333
Ge	72	1	He	98.65946699	499723.717
Ge	72	2	H2	100.1133585	1707881.167
In	115	1	He	99.90900442	5907976.540
Tb	159	1	He	100.3650225	13852838.127
Ir	193	1	He	98.10875074	7095779.267

Sample Name	4309489_B69970Dx20
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	028SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 15:43:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.094143	1.6	2990.963
Be	9	2	H2	5.182149	0.8	2550.050
B	11	2	H2	118.249700	0.1	54155.693
Na	23	1	He	2174.562338	0.4	2380254.597
Mg	24	1	He	9796.464971	0.7	5994626.370
Al	27	1	He	105.473228	0.9	31708.533
Si	28	2	H2	607.506488	0.1	2184507.917
K	39	1	He	452.795202	1.2	453232.547
Ca	43	1	He	28281.33629	0.6	69589.207
Ti	47	1	He	5.206827	0.8	1425.737
V	51	1	He	5.174803	2.9	40080.097
Cr	52	1	He	5.458725	1.2	53329.807
Mn	55	1	He	86.918604	0.4	582491.667
Fe	56	1	He	107.369000	0.5	961525.690
Co	59	1	He	5.382855	1.1	80018.590
Ni	60	1	He	6.631964	0.3	25062.190
Cu	63	1	He	5.459993	0.9	56519.823
Zn	66	1	He	5.741661	2.0	13581.037
As	75	1	He	5.234972	0.5	11021.193
Se	78	2	H2	8.162700	0.9	7769.767
Sr	88	1	He	50.781016	0.6	631373.790
Mo	95	1	He	5.133189	0.5	34767.597
Pd	105	1	He	1.061809	0.7	11001.020
Ag	107	1	He	2.506575	5.4	52442.207
Cd	111	1	He	5.110801	1.6	20436.853
Sn	118	1	He	5.080947	0.4	50972.473
Sb	121	1	He	5.090112	0.3	75911.487
Ba	138	1	He	6.345941	0.5	210145.810
Pt	195	1	He	1.030768	1.8	14146.160
Hg	202	1	He	0.004359	17.6	128.000
Tl	205	1	He	5.378964	0.7	264084.670
Pb	208	1	He	5.264483	0.5	348985.013
Bi	209	1	He	5.222352	0.4	294220.970
Th	232	1	He	5.177064	0.6	355152.290
U	238	1	He	6.485169	1.3	425373.603

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	98.40252903	606218.437
Sc	45	2	H2	100.4038008	4944757.000
Ge	72	1	He	99.78757928	505437.760
Ge	72	2	H2	100.6267461	1716639.290
In	115	1	He	99.58566036	5888856.050
Tb	159	1	He	99.83921339	13780263.543
Ir	193	1	He	96.93398892	7010813.853

Sample Name	10605796021_B69970Dx20
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	029SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 15:47:04
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.831722	5.5	479.010
Be	9	2	H2	0.040634	26.4	32.000
B	11	2	H2	112.114631	0.1	52685.187
Na	23	1	He	2059.274564	1.7	2273682.570
Mg	24	1	He	9594.613500	1.6	5920745.120
Al	27	1	He	4.142184	2.0	1327.060
Si	28	2	H2	575.251518	0.5	2117408.917
K	39	1	He	346.444749	1.2	367289.943
Ca	43	1	He	27923.51571	1.3	69291.893
Ti	47	1	He	0.026673	39.8	8.333
V	51	1	He	-0.024931		-734.707
Cr	52	1	He	0.159525	7.2	4148.597
Mn	55	1	He	81.528822	1.6	551010.837
Fe	56	1	He	2.707306	2.7	35199.590
Co	59	1	He	0.099069	1.9	1512.750
Ni	60	1	He	1.309670	0.7	5084.903
Cu	63	1	He	0.190047	2.6	2152.837
Zn	66	1	He	1.284734	2.8	3151.680
As	75	1	He	0.056261	14.9	303.500
Se	78	2	H2	2.908933	1.7	2837.620
Sr	88	1	He	45.933572	1.1	567546.610
Mo	95	1	He	0.021269	5.0	162.667
Pd	105	1	He	0.026958	13.6	501.680
Ag	107	1	He	0.082885	18.5	1855.143
Cd	111	1	He	0.013402	21.6	67.303
Sn	118	1	He	0.028888	16.4	363.343
Sb	121	1	He	0.009103	10.1	195.000
Ba	138	1	He	1.293674	2.0	43648.680
Pt	195	1	He	0.002468	68.6	200.667
Hg	202	1	He	0.003046	133.0	120.000
Tl	205	1	He	0.013246	4.3	991.717
Pb	208	1	He	0.045449	5.7	5203.747
Bi	209	1	He	0.002788	64.0	1933.510
Th	232	1	He	0.021165	17.0	1965.170
U	238	1	He	1.317000	1.6	88212.253

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.24906155	611433.583
Sc	45	2	H2	102.7388233	5059753.833
Ge	72	1	He	99.16928670	502306.023
Ge	72	2	H2	102.3600087	1746207.837
In	115	1	He	101.2697838	5988444.290
Tb	159	1	He	100.6747259	13895584.793
Ir	193	1	He	98.57768308	7129695.103

Sample Name	10605796022_B69970Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	030SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 15:50:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.028765	17.4	84.667
Be	9	2	H2	0.035673	18.0	29.333
B	11	2	H2	1.137163	1.3	3283.860
Na	23	1	He	27.452931	3.3	42326.537
Mg	24	1	He	10.692076	51.6	8219.317
Al	27	1	He	9.450543	2.5	2977.303
Si	28	2	H2	1.884515	50.1	21373.073
K	39	1	He	7.501184	12.4	82307.900
Ca	43	1	He	119.680035	22.8	320.287
Ti	47	1	He	0.092825	11.7	27.000
V	51	1	He	0.004086	296.2	-516.773
Cr	52	1	He	0.778887	0.2	10101.490
Mn	55	1	He	0.123221	51.4	1176.723
Fe	56	1	He	2.879004	1.3	37291.357
Co	59	1	He	0.004435	18.9	118.000
Ni	60	1	He	0.112359	7.2	638.687
Cu	63	1	He	0.043687	3.6	665.353
Zn	66	1	He	2.826847	1.3	6865.643
As	75	1	He	0.024807	13.1	243.667
Se	78	2	H2	-0.000319		32.000
Sr	88	1	He	0.110365	21.8	1531.763
Mo	95	1	He	0.018558	7.8	144.667
Pd	105	1	He	0.007349	142.4	300.007
Ag	107	1	He	0.017102	1.6	465.010
Cd	111	1	He	0.001647	60.2	19.640
Sn	118	1	He	0.022502	15.9	300.007
Sb	121	1	He	0.005631	17.8	143.333
Ba	138	1	He	0.028722	6.4	1091.720
Pt	195	1	He	0.010294	11.4	309.340
Hg	202	1	He	0.006284	25.9	142.667
Tl	205	1	He	0.004200	40.9	546.683
Pb	208	1	He	0.009934	39.1	2858.477
Bi	209	1	He	0.001872	110.1	1916.843
Th	232	1	He	0.006538	9.3	966.713
U	238	1	He	0.003968	37.3	736.693

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.7448107	620648.293
Sc	45	2	H2	102.1113855	5028853.333
Ge	72	1	He	101.1500235	512338.727
Ge	72	2	H2	100.9157865	1721570.167
In	115	1	He	101.7627655	6017596.060
Tb	159	1	He	101.1289355	13958276.873
Ir	193	1	He	100.4616821	7265956.560

Sample Name	CCV
Sample Type	CCV
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	031_CCV.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 15:54:27
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	81.833357	0.1	39386.453
Be	9	2	H2	79.946870	0.2	39263.023
B	11	2	H2	79.173170	0.2	37245.523
Na	23	1	He	1004.660625	0.5	1132069.097
Mg	24	1	He	1000.435005	0.7	628067.427
Al	27	1	He	1000.241904	0.9	307202.583
Si	28	2	H2	492.986870	0.2	1779317.623
K	39	1	He	1007.205049	0.6	939194.857
Ca	43	1	He	1003.447626	0.9	2545.687
Ti	47	1	He	80.340672	1.5	22507.143
V	51	1	He	80.693437	3.4	647904.853
Cr	52	1	He	84.721818	5.9	808338.667
Mn	55	1	He	80.576889	0.7	552828.147
Fe	56	1	He	500.103185	0.9	4543907.333
Co	59	1	He	82.585677	1.1	1250896.333
Ni	60	1	He	83.690605	1.1	319961.573
Cu	63	1	He	83.844829	1.1	881868.520
Zn	66	1	He	81.809734	1.5	194953.203
As	75	1	He	79.732492	0.6	168392.620
Se	78	2	H2	79.778992	0.9	75552.270
Sr	88	1	He	80.266165	1.1	1017378.893
Mo	95	1	He	77.677846	1.0	539840.250
Pd	105	1	He	82.328109	1.0	858355.403
Ag	107	1	He	41.983302	0.2	900057.280
Cd	111	1	He	80.092750	0.9	328567.913
Sn	118	1	He	76.956399	0.7	791511.263
Sb	121	1	He	77.808678	0.8	1190336.570
Ba	138	1	He	77.614861	1.1	2636948.970
Pt	195	1	He	81.872371	0.3	1131382.293
Hg	202	1	He	3.868550	0.5	26175.963
Tl	205	1	He	42.099422	0.2	2103300.487
Pb	208	1	He	82.211207	0.8	5519402.547
Bi	209	1	He	79.779859	0.8	4620937.327
Th	232	1	He	76.701557	0.6	5432913.667
U	238	1	He	78.074751	0.7	5289569.920

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.7352300	620589.270
Sc	45	2	H2	100.6255156	4955676.167
Ge	72	1	He	101.7372343	515313.030
Ge	72	2	H2	100.4921556	1714343.247
In	115	1	He	102.2278763	6045099.727
Tb	159	1	He	101.7039932	14037648.957
Ir	193	1	He	100.2127069	7247949.267

Sample Name	CCB
Sample Type	CCB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	032_CCB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 15:58:08
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.068889	31.3	103.167
Be	9	2	H2	0.053431	25.4	37.833
B	11	2	H2	-0.468320		2547.717
Na	23	1	He	-0.248675		11339.373
Mg	24	1	He	-0.492399		1198.393
Al	27	1	He	0.260297	10.5	154.000
Si	28	2	H2	-0.210971		13618.250
K	39	1	He	-0.996772		74433.037
Ca	43	1	He	-1.231123		15.517
Ti	47	1	He	0.020421	10.2	6.667
V	51	1	He	-0.002121		-564.623
Cr	52	1	He	0.001859	218.9	2691.593
Mn	55	1	He	-0.003101		307.337
Fe	56	1	He	0.161474	11.9	12558.063
Co	59	1	He	0.010011	33.4	200.667
Ni	60	1	He	0.011903	39.3	255.333
Cu	63	1	He	0.011560	38.9	327.337
Zn	66	1	He	0.004689	206.3	184.000
As	75	1	He	0.016751	27.1	225.333
Se	78	2	H2	0.008274	54.1	40.000
Sr	88	1	He	0.005795	75.2	211.667
Mo	95	1	He	0.016026	33.6	127.333
Pd	105	1	He	0.014084	52.8	370.010
Ag	107	1	He	0.131929	19.6	2917.000
Cd	111	1	He	0.005799	37.7	36.643
Sn	118	1	He	0.011248	10.0	185.000
Sb	121	1	He	0.006526	68.1	156.667
Ba	138	1	He	0.004861	76.5	285.003
Pt	195	1	He	0.006772	36.1	261.333
Hg	202	1	He	0.029103	14.0	295.667
Tl	205	1	He	0.047226	16.7	2685.303
Pb	208	1	He	0.015141	17.3	3208.503
Bi	209	1	He	0.008142	64.2	2280.253
Th	232	1	He	0.022513	1.0	2100.190
U	238	1	He	0.006758	42.0	925.043

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.94886481	615744.790
Sc	45	2	H2	101.0807526	4978096.000
Ge	72	1	He	100.4974337	509033.270
Ge	72	2	H2	100.5233872	1714876.040
In	115	1	He	101.8891293	6025068.403
Tb	159	1	He	101.2003932	13968139.790
Ir	193	1	He	100.4256299	7263349.060

Sample Name	CRDL
Sample Type	CRDL
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	033CRD.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 16:01:50
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.546855	7.3	336.833
Be	9	2	H2	0.234679	2.7	128.333
B	11	2	H2	8.784515	0.6	6657.467
Na	23	1	He	53.126790	0.8	70326.303
Mg	24	1	He	30.529530	2.2	20457.407
Al	27	1	He	31.339713	1.5	9613.427
Si	28	2	H2	98.451819	0.9	371741.117
K	39	1	He	103.792621	1.0	163388.673
Ca	43	1	He	103.182507	3.1	276.117
Ti	47	1	He	0.999243	7.4	278.333
V	51	1	He	0.925393	13.7	6824.960
Cr	52	1	He	2.067514	1.5	22154.713
Mn	55	1	He	0.526343	1.1	3905.197
Fe	56	1	He	51.782620	1.4	476276.927
Co	59	1	He	0.557170	2.4	8370.417
Ni	60	1	He	0.541063	2.1	2248.180
Cu	63	1	He	1.079857	2.2	11401.813
Zn	66	1	He	5.331170	3.1	12686.893
As	75	1	He	0.494391	3.5	1218.217
Se	78	2	H2	0.497427	3.1	506.677
Sr	88	1	He	0.522030	2.3	6661.607
Mo	95	1	He	0.491247	2.9	3395.083
Pd	105	1	He	0.533907	3.2	5731.207
Ag	107	1	He	0.459059	5.9	9841.823
Cd	111	1	He	0.083289	6.5	351.057
Sn	118	1	He	0.488279	3.6	5039.287
Sb	121	1	He	0.515283	2.9	7858.930
Ba	138	1	He	0.303200	2.1	10315.573
Pt	195	1	He	0.511840	1.7	7240.647
Hg	202	1	He	0.237866	3.0	1704.113
Tl	205	1	He	0.104050	4.4	5539.540
Pb	208	1	He	0.527281	1.0	37599.103
Bi	209	1	He	0.495482	1.9	30672.687
Th	232	1	He	0.502597	2.0	36315.560
U	238	1	He	0.486214	1.3	33600.047

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.85197216	615147.873
Sc	45	2	H2	101.9822992	5022496.000
Ge	72	1	He	100.3144074	508106.217
Ge	72	2	H2	101.2398880	1727099.167
In	115	1	He	101.1915977	5983820.867
Tb	159	1	He	101.7082527	14038236.873
Ir	193	1	He	100.8074245	7290962.603

Sample Name	CG-CRDL-AlMgCaCrPb
Sample Type	CRDL
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	034CRD.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 16:05:32
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.557476	6.2	340.333
Be	9	2	H2	0.239473	2.3	130.000
B	11	2	H2	8.677565	2.4	6578.933
Na	23	1	He	52.698848	1.1	70316.243
Mg	24	1	He	9.614271	1.8	7520.283
Al	27	1	He	21.557593	0.9	6679.503
Si	28	2	H2	97.377919	0.3	366103.123
K	39	1	He	99.780184	0.2	161038.013
Ca	43	1	He	38.581916	6.5	115.633
Ti	47	1	He	1.011270	12.3	283.667
V	51	1	He	1.041292	3.8	7799.823
Cr	52	1	He	0.495831	2.8	7392.547
Mn	55	1	He	0.508300	3.9	3807.843
Fe	56	1	He	51.843216	0.9	479996.363
Co	59	1	He	0.540380	1.2	8178.977
Ni	60	1	He	0.568007	4.3	2366.863
Cu	63	1	He	1.090485	1.6	11595.963
Zn	66	1	He	5.351910	1.7	12827.017
As	75	1	He	0.489294	1.4	1216.383
Se	78	2	H2	0.514865	2.7	520.677
Sr	88	1	He	0.527260	2.7	6774.990
Mo	95	1	He	0.481908	2.2	3347.070
Pd	105	1	He	0.525887	0.2	5676.183
Ag	107	1	He	0.483175	3.5	10403.903
Cd	111	1	He	0.086529	4.7	366.070
Sn	118	1	He	0.486395	2.8	5045.950
Sb	121	1	He	0.502279	6.0	7697.190
Ba	138	1	He	0.313211	1.4	10704.207
Pt	195	1	He	0.490858	1.5	6961.830
Hg	202	1	He	0.237589	2.3	1705.113
Tl	205	1	He	0.100732	7.5	5381.137
Pb	208	1	He	0.116553	1.6	10046.480
Bi	209	1	He	0.519526	3.3	31902.183
Th	232	1	He	0.506523	1.7	36399.137
U	238	1	He	0.498706	0.8	34273.553

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.5100830	619202.230
Sc	45	2	H2	101.5004016	4998763.167
Ge	72	1	He	101.0274536	511717.893
Ge	72	2	H2	100.7119557	1718092.920
In	115	1	He	101.6847944	6012985.350
Tb	159	1	He	101.8577762	14058874.790
Ir	193	1	He	100.2836332	7253079.057

Sample Name	4311407_B70011Dx1
Sample Type	CCB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	035_CCB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 16:09:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.075264	17.0	104.667
Be	9	2	H2	0.035480	25.7	28.500
B	11	2	H2	-1.583127		2027.807
Na	23	1	He	-0.086585		11254.317
Mg	24	1	He	2.897732	8.8	3228.707
Al	27	1	He	2.048413	5.2	682.687
Si	28	2	H2	0.256027	33.7	15062.963
K	39	1	He	0.991293	50.9	74374.470
Ca	43	1	He	0.791494	10.9	20.100
Ti	47	1	He	0.013636	82.8	4.667
V	51	1	He	0.003484	2388.2	-506.553
Cr	52	1	He	0.079312	3.8	3343.723
Mn	55	1	He	0.001889	286.1	333.337
Fe	56	1	He	0.239598	13.9	12957.100
Co	59	1	He	0.005213	14.2	125.333
Ni	60	1	He	0.004760	180.6	222.000
Cu	63	1	He	0.007243	25.3	274.667
Zn	66	1	He	0.070976	25.9	330.673
As	75	1	He	0.026015	11.1	237.833
Se	78	2	H2	0.005721	124.8	37.000
Sr	88	1	He	0.005880	54.1	206.667
Mo	95	1	He	0.001392	54.1	25.333
Pd	105	1	He	0.009483	38.0	315.010
Ag	107	1	He	0.072515	30.8	1608.443
Cd	111	1	He	0.001771	36.2	19.663
Sn	118	1	He	0.008871	11.8	156.667
Sb	121	1	He	0.001153	187.7	73.333
Ba	138	1	He	0.004309	9.1	260.007
Pt	195	1	He	0.000527	184.0	174.667
Hg	202	1	He	0.012688	22.1	185.000
Tl	205	1	He	0.009485	26.0	806.700
Pb	208	1	He	0.024252	18.2	3803.563
Bi	209	1	He	0.003443	40.5	2006.857
Th	232	1	He	0.007288	22.8	1018.380
U	238	1	He	0.002262	40.8	620.020

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.65386687	601606.230
Sc	45	2	H2	99.52905697	4901677.000
Ge	72	1	He	97.71580051	494943.917
Ge	72	2	H2	98.89124673	1687032.583
In	115	1	He	99.42453971	5879328.410
Tb	159	1	He	100.7777751	13909808.123
Ir	193	1	He	100.4407438	7264442.183

Sample Name	4311408_B70011Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	036SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 16:12:54
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	53.604392	0.9	24893.363
Be	9	2	H2	51.951989	0.5	24599.253
B	11	2	H2	50.188990	0.4	23726.887
Na	23	1	He	1013.849083	0.5	1098905.997
Mg	24	1	He	1005.680438	0.8	607343.027
Al	27	1	He	998.186841	0.8	294911.710
Si	28	2	H2	254.079600	0.2	890703.980
K	39	1	He	1005.802245	1.2	902314.077
Ca	43	1	He	988.134080	2.3	2411.833
Ti	47	1	He	49.703084	0.6	13394.750
V	51	1	He	50.109175	0.8	386804.540
Cr	52	1	He	51.616647	0.6	474695.143
Mn	55	1	He	50.309739	0.9	332158.500
Fe	56	1	He	997.478892	0.4	8707810.667
Co	59	1	He	51.940387	0.3	754792.583
Ni	60	1	He	52.690261	0.6	193342.193
Cu	63	1	He	51.991053	0.7	524702.240
Zn	66	1	He	51.117252	0.9	116927.487
As	75	1	He	49.827770	0.3	101031.513
Se	78	2	H2	51.373683	0.4	46914.247
Sr	88	1	He	50.484000	1.0	613957.673
Mo	95	1	He	48.537120	1.6	326705.583
Pd	105	1	He	10.244547	1.4	103640.467
Ag	107	1	He	26.596816	2.2	552269.510
Cd	111	1	He	49.970111	0.6	198551.240
Sn	118	1	He	48.316707	0.7	481340.983
Sb	121	1	He	48.241456	1.2	714812.020
Ba	138	1	He	49.038160	1.2	1613683.880
Pt	195	1	He	10.164283	1.4	138536.893
Hg	202	1	He	0.009905	5.0	165.333
Tl	205	1	He	52.846305	0.3	2601099.337
Pb	208	1	He	51.351125	0.8	3397486.433
Bi	209	1	He	49.875504	1.0	2857361.523
Th	232	1	He	49.872901	0.9	3493436.717
U	238	1	He	49.303858	0.8	3303420.577

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.90938072	597019.750
Sc	45	2	H2	97.00191091	4777218.333
Ge	72	1	He	97.60544219	494384.937
Ge	72	2	H2	96.88218451	1652759.040
In	115	1	He	99.01116310	5854883.973
Tb	159	1	He	100.2011357	13830217.710
Ir	193	1	He	99.09914109	7167409.893

Sample Name	4311409_B70011Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	037SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 16:16:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	51.900122	0.6	24052.510
Be	9	2	H2	50.210881	0.9	23724.027
B	11	2	H2	48.944257	1.0	23154.177
Na	23	1	He	981.819216	1.5	1049055.090
Mg	24	1	He	981.003786	1.4	583876.540
Al	27	1	He	968.107551	1.7	281866.073
Si	28	2	H2	238.998762	0.5	836853.227
K	39	1	He	973.446793	1.9	862908.033
Ca	43	1	He	991.184123	3.3	2383.657
Ti	47	1	He	47.056544	0.9	12497.967
V	51	1	He	48.512236	1.8	369011.670
Cr	52	1	He	49.957811	1.6	452836.667
Mn	55	1	He	49.102756	1.8	319482.597
Fe	56	1	He	973.610172	1.8	8375860.667
Co	59	1	He	50.484198	1.8	728732.397
Ni	60	1	He	51.168622	1.7	186510.810
Cu	63	1	He	50.280465	1.8	504053.260
Zn	66	1	He	49.371037	2.2	112181.690
As	75	1	He	47.150823	1.8	94973.850
Se	78	2	H2	48.852992	0.8	44383.303
Sr	88	1	He	48.785346	1.2	589379.523
Mo	95	1	He	46.213255	1.1	307941.073
Pd	105	1	He	9.803464	0.8	98191.797
Ag	107	1	He	25.994824	1.8	534336.360
Cd	111	1	He	48.139001	1.9	189340.243
Sn	118	1	He	45.939985	2.4	453016.503
Sb	121	1	He	46.119261	2.2	676448.973
Ba	138	1	He	47.706062	1.5	1554035.237
Pt	195	1	He	9.569226	2.1	130146.897
Hg	202	1	He	0.005092	45.8	133.000
Tl	205	1	He	50.697458	1.5	2490130.327
Pb	208	1	He	49.474445	2.1	3266427.320
Bi	209	1	He	47.795969	1.0	2718440.790
Th	232	1	He	47.692897	1.0	3316562.867
U	238	1	He	47.278493	0.9	3144699.120

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.51246171	588413.893
Sc	45	2	H2	96.79391558	4766974.833
Ge	72	1	He	96.96701129	491151.197
Ge	72	2	H2	96.38334379	1644249.080
In	115	1	He	98.01838169	5796177.260
Tb	159	1	He	99.99683631	13802019.377
Ir	193	1	He	98.37780010	7115238.437

Sample Name	CG-Control_B70011Dx1
Sample Type	CCB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	038_CCB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 16:20:17
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.118924	23.4	122.833
Be	9	2	H2	0.049988	22.5	34.833
B	11	2	H2	-1.458380		2039.810
Na	23	1	He	-0.100958		10980.767
Mg	24	1	He	2.230540	8.0	2758.617
Al	27	1	He	2.057493	0.8	669.687
Si	28	2	H2	0.841314	17.2	16789.820
K	39	1	He	-1.041489		71016.417
Ca	43	1	He	0.496103	326.8	18.933
Ti	47	1	He	0.034100	18.5	10.000
V	51	1	He	0.013751	380.5	-415.593
Cr	52	1	He	0.079779	3.5	3271.043
Mn	55	1	He	0.006235	42.2	354.010
Fe	56	1	He	0.613747	4.5	15869.940
Co	59	1	He	0.013676	16.1	244.667
Ni	60	1	He	0.001050	305.6	205.333
Cu	63	1	He	0.010938	4.6	307.333
Zn	66	1	He	0.072964	21.1	330.003
As	75	1	He	0.020934	14.2	224.167
Se	78	2	H2	0.008682	111.9	39.000
Sr	88	1	He	0.007926	43.1	228.333
Mo	95	1	He	0.007414	18.6	65.333
Pd	105	1	He	0.008163	47.7	298.340
Ag	107	1	He	0.165033	33.5	3498.837
Cd	111	1	He	0.003003	63.2	24.323
Sn	118	1	He	0.027722	18.7	341.677
Sb	121	1	He	0.020229	16.6	353.343
Ba	138	1	He	0.005164	54.5	285.007
Pt	195	1	He	-0.000920		153.333
Hg	202	1	He	0.004005	48.4	125.667
Tl	205	1	He	0.011688	23.3	906.707
Pb	208	1	He	0.016802	10.4	3275.180
Bi	209	1	He	0.007081	91.0	2193.567
Th	232	1	He	0.030810	11.2	2660.297
U	238	1	He	0.008937	133.1	1064.903

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.41158947	587792.460
Sc	45	2	H2	97.51622902	4802547.833
Ge	72	1	He	96.25999257	487570.050
Ge	72	2	H2	97.06068025	1655804.083
In	115	1	He	98.37802757	5817444.407
Tb	159	1	He	99.86125660	13783306.047
Ir	193	1	He	99.43127024	7191431.350

Sample Name	10606778001_B70011Dx1
Sample Type	CCB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	039_CCB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 16:23:59
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.105375	16.3	115.333
Be	9	2	H2	0.034486	15.9	27.167
B	11	2	H2	-1.866936		1847.950
Na	23	1	He	2.513534	54.9	12657.090
Mg	24	1	He	3.208423	22.5	3080.350
Al	27	1	He	2.228521	15.8	661.017
Si	28	2	H2	0.242396	36.0	14559.223
K	39	1	He	7.727780	124.7	71994.273
Ca	43	1	He	2.422324	55.6	21.683
Ti	47	1	He	0.014337	61.8	4.333
V	51	1	He	0.064706	9.8	-24.323
Cr	52	1	He	0.107402	44.7	3238.367
Mn	55	1	He	0.004636	144.3	316.000
Fe	56	1	He	0.504370	27.8	13777.900
Co	59	1	He	0.006814	33.1	134.000
Ni	60	1	He	0.011503	82.2	224.000
Cu	63	1	He	0.029691	23.3	454.677
Zn	66	1	He	0.226583	16.0	623.353
As	75	1	He	0.036205	14.8	236.333
Se	78	2	H2	0.002518	198.8	33.000
Sr	88	1	He	0.012216	46.8	258.337
Mo	95	1	He	0.001985	67.3	27.333
Pd	105	1	He	0.006168	13.7	258.340
Ag	107	1	He	0.044533	16.4	935.040
Cd	111	1	He	0.001674	109.5	17.330
Sn	118	1	He	0.013996	27.4	193.333
Sb	121	1	He	0.006413	12.3	140.000
Ba	138	1	He	0.007108	42.6	318.343
Pt	195	1	He	-0.000133		151.333
Hg	202	1	He	0.004224	55.9	117.667
Tl	205	1	He	0.005424	21.5	556.687
Pb	208	1	He	0.014639	42.5	2898.483
Bi	209	1	He	0.003595	75.9	1856.837
Th	232	1	He	0.012685	14.6	1283.410
U	238	1	He	-0.000858		373.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.51250612	545289.980
Sc	45	2	H2	96.50486229	4752739.333
Ge	72	1	He	89.51707722	453416.260
Ge	72	2	H2	96.01749642	1638007.917
In	115	1	He	91.42130965	5406068.810
Tb	159	1	He	93.20536699	12864629.810
Ir	193	1	He	92.49020480	6689414.273

Sample Name	10606778001_B70011Dx1
Sample Type	CCB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	040_CCB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 16:27:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.090170	12.0	108.667
Be	9	2	H2	0.033611	22.3	26.833
B	11	2	H2	-2.039242		1781.940
Na	23	1	He	-0.647254		10281.950
Mg	24	1	He	1.809629	7.6	2480.227
Al	27	1	He	1.913345	10.2	620.347
Si	28	2	H2	0.632845	19.6	15955.207
K	39	1	He	1.073697	11.2	71887.283
Ca	43	1	He	-0.228030		17.017
Ti	47	1	He	0.015508	85.3	5.000
V	51	1	He	0.048899	25.0	-146.363
Cr	52	1	He	0.125252	4.9	3637.793
Mn	55	1	He	0.005754	72.7	346.673
Fe	56	1	He	0.436909	3.8	14185.557
Co	59	1	He	0.006081	16.4	134.000
Ni	60	1	He	0.051573	11.5	382.677
Cu	63	1	He	0.013064	20.1	324.003
Zn	66	1	He	0.047058	6.9	268.000
As	75	1	He	0.029167	17.1	237.333
Se	78	2	H2	-0.001081		29.667
Sr	88	1	He	0.006502	58.1	208.333
Mo	95	1	He	0.002277	39.6	30.667
Pd	105	1	He	0.012028	23.7	333.343
Ag	107	1	He	0.016891	13.1	440.010
Cd	111	1	He	0.000512	31.0	14.327
Sn	118	1	He	0.012299	47.8	186.667
Sb	121	1	He	0.001943	33.7	83.333
Ba	138	1	He	0.003400	31.3	225.000
Pt	195	1	He	0.000080	2276.3	166.000
Hg	202	1	He	0.001416	91.8	108.000
Tl	205	1	He	0.002957	36.7	476.680
Pb	208	1	He	0.009723	8.7	2795.140
Bi	209	1	He	0.000600	126.4	1810.157
Th	232	1	He	0.009420	12.2	1150.060
U	238	1	He	-0.000407		431.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.30049606	580947.460
Sc	45	2	H2	96.83504357	4769000.333
Ge	72	1	He	94.95283016	480949.093
Ge	72	2	H2	95.80061282	1634307.997
In	115	1	He	97.27315637	5752109.423
Tb	159	1	He	99.35089755	13712863.963
Ir	193	1	He	98.66422158	7135954.057

Sample Name	CCV
Sample Type	CCV
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	041_CCV.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 16:31:21
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	86.063882	0.6	39675.523
Be	9	2	H2	83.285187	0.4	39180.970
B	11	2	H2	80.582564	0.5	36266.153
Na	23	1	He	1002.722780	0.5	1092444.177
Mg	24	1	He	1006.804063	0.3	611089.847
Al	27	1	He	1007.621483	0.4	299202.447
Si	28	2	H2	505.560106	0.6	1747553.420
K	39	1	He	1001.295378	0.1	903145.430
Ca	43	1	He	1012.907886	1.6	2484.427
Ti	47	1	He	79.293430	0.2	21476.277
V	51	1	He	78.978402	0.2	613030.517
Cr	52	1	He	81.706808	0.7	753659.043
Mn	55	1	He	80.314255	0.4	532735.290
Fe	56	1	He	499.562429	0.7	4388331.167
Co	59	1	He	83.105582	0.3	1213403.047
Ni	60	1	He	83.821035	0.2	308917.167
Cu	63	1	He	83.614839	0.6	847763.127
Zn	66	1	He	81.973938	0.5	188305.510
As	75	1	He	80.356583	0.5	163596.123
Se	78	2	H2	81.219251	0.7	73623.020
Sr	88	1	He	80.760897	0.4	986787.327
Mo	95	1	He	77.708272	0.4	525855.127
Pd	105	1	He	82.801447	0.6	840621.187
Ag	107	1	He	42.289598	0.8	882791.137
Cd	111	1	He	80.505944	0.6	321581.240
Sn	118	1	He	77.655358	0.9	777693.633
Sb	121	1	He	78.392341	0.6	1167741.467
Ba	138	1	He	78.244966	0.3	2588525.900
Pt	195	1	He	82.319855	0.4	1121948.250
Hg	202	1	He	3.890560	0.3	25962.553
Tl	205	1	He	42.009374	0.4	2069994.970
Pb	208	1	He	82.610658	0.8	5470065.337
Bi	209	1	He	79.887786	0.9	4580906.700
Th	232	1	He	77.636405	0.9	5444065.543
U	238	1	He	79.265987	0.8	5316450.757

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.39362429	600002.980
Sc	45	2	H2	96.39248370	4747204.833
Ge	72	1	He	98.07004627	496738.220
Ge	72	2	H2	96.19543021	1641043.373
In	115	1	He	99.54037408	5886178.110
Tb	159	1	He	100.3079916	13844966.457
Ir	193	1	He	99.21114607	7175510.727

Sample Name	CCB
Sample Type	CCB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	042_CCB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 16:35:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.066674	27.6	98.167
Be	9	2	H2	0.064648	15.6	41.667
B	11	2	H2	-1.521319		2007.803
Na	23	1	He	-0.076209		11144.227
Mg	24	1	He	-0.618844		1080.050
Al	27	1	He	0.781740	57.8	300.670
Si	28	2	H2	-0.186743		13188.553
K	39	1	He	-0.083487		72731.297
Ca	43	1	He	-0.086918		17.767
Ti	47	1	He	0.048822	43.3	14.000
V	51	1	He	0.094042	67.3	193.747
Cr	52	1	He	0.044519	87.9	2987.647
Mn	55	1	He	0.029452	122.2	508.010
Fe	56	1	He	0.410189	51.8	14284.387
Co	59	1	He	0.051595	59.2	797.363
Ni	60	1	He	0.051280	82.9	392.007
Cu	63	1	He	0.049348	54.2	698.690
Zn	66	1	He	0.050067	49.2	282.670
As	75	1	He	0.038980	82.5	264.000
Se	78	2	H2	0.013616	43.4	43.333
Sr	88	1	He	0.044658	64.9	676.693
Mo	95	1	He	0.047568	53.9	338.003
Pd	105	1	He	0.025264	66.6	476.680
Ag	107	1	He	0.136509	32.6	2955.357
Cd	111	1	He	0.044192	68.2	188.940
Sn	118	1	He	0.048078	51.9	550.017
Sb	121	1	He	0.037672	71.1	616.690
Ba	138	1	He	0.042242	59.2	1515.113
Pt	195	1	He	0.042294	54.9	737.360
Hg	202	1	He	0.030609	13.4	302.000
Tl	205	1	He	0.065274	29.5	3532.183
Pb	208	1	He	0.049743	52.7	5435.477
Bi	209	1	He	0.046583	66.7	4460.913
Th	232	1	He	0.055834	48.4	4414.200
U	238	1	He	0.044207	66.8	3422.250

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.68013188	595607.440
Sc	45	2	H2	97.26883841	4790364.167
Ge	72	1	He	97.90383228	495896.323
Ge	72	2	H2	96.66883541	1649119.417
In	115	1	He	100.1420814	5921759.220
Tb	159	1	He	100.0469783	13808940.210
Ir	193	1	He	99.80349876	7218353.020

Sample Name	4305774_B69910Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	043SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 16:38:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.046773	53.2	88.500
Be	9	2	H2	0.038143	11.7	29.000
B	11	2	H2	-1.993652		1801.940
Na	23	1	He	6.102351	4.7	18102.687
Mg	24	1	He	2.741932	11.1	3162.027
Al	27	1	He	6.311513	1.4	1968.800
Si	28	2	H2	1.248601	50.1	18115.507
K	39	1	He	-0.597279		73696.130
Ca	43	1	He	15.547583	5.9	56.617
Ti	47	1	He	0.060940	21.2	17.667
V	51	1	He	0.060371	126.4	-62.467
Cr	52	1	He	0.167604	4.2	4193.943
Mn	55	1	He	0.072633	2.0	810.687
Fe	56	1	He	3.310301	3.0	40286.577
Co	59	1	He	0.020231	12.6	345.340
Ni	60	1	He	0.024202	10.8	294.667
Cu	63	1	He	0.114552	6.6	1364.067
Zn	66	1	He	0.823211	2.6	2059.490
As	75	1	He	-0.000628		184.667
Se	78	2	H2	0.004556	59.6	35.000
Sr	88	1	He	0.031837	1.9	525.010
Mo	95	1	He	0.012866	21.7	104.667
Pd	105	1	He	0.006705	36.2	291.670
Ag	107	1	He	0.032174	14.7	781.697
Cd	111	1	He	0.016468	26.8	79.647
Sn	118	1	He	0.162117	9.8	1718.467
Sb	121	1	He	0.010538	55.1	216.670
Ba	138	1	He	0.048861	4.8	1761.797
Pt	195	1	He	0.010640	17.4	316.003
Hg	202	1	He	0.013452	12.3	191.667
Tl	205	1	He	0.018678	10.3	1273.407
Pb	208	1	He	0.018841	3.7	3473.530
Bi	209	1	He	0.012069	40.5	2513.617
Th	232	1	He	0.011259	11.8	1305.077
U	238	1	He	0.005563	39.1	846.703

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	98.51247885	606895.793
Sc	45	2	H2	96.98859753	4776562.667
Ge	72	1	He	98.13339369	497059.083
Ge	72	2	H2	96.46333610	1645613.707
In	115	1	He	101.1273347	5980020.767
Tb	159	1	He	101.7187641	14039687.707
Ir	193	1	He	100.6946071	7282803.017

Sample Name	4305775_B69910Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	044SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 16:42:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.753751	0.2	49766.123
Be	9	2	H2	104.334156	1.0	49647.213
B	11	2	H2	101.927479	0.8	45698.600
Na	23	1	He	2056.041984	1.5	2230511.530
Mg	24	1	He	2045.873188	1.7	1241587.610
Al	27	1	He	2035.907173	1.2	605125.957
Si	28	2	H2	516.729011	0.2	1806499.670
K	39	1	He	2039.925767	1.0	1765831.533
Ca	43	1	He	2094.787692	1.2	5124.120
Ti	47	1	He	100.779389	1.1	27325.587
V	51	1	He	101.579454	1.7	789461.697
Cr	52	1	He	105.005684	1.4	968901.667
Mn	55	1	He	102.853249	0.6	682924.190
Fe	56	1	He	2044.598880	1.0	17947066.000
Co	59	1	He	105.826757	1.1	1562200.667
Ni	60	1	He	106.432199	1.2	396524.760
Cu	63	1	He	105.081500	0.9	1077127.083
Zn	66	1	He	105.070071	1.1	243978.047
As	75	1	He	101.581984	0.8	209042.043
Se	78	2	H2	102.910457	0.8	94635.577
Sr	88	1	He	103.439275	0.1	1277822.040
Mo	95	1	He	99.358862	1.0	674686.853
Pd	105	1	He	20.771609	0.9	211770.417
Ag	107	1	He	51.462790	1.2	1077978.553
Cd	111	1	He	102.293810	1.0	410029.383
Sn	118	1	He	97.507365	0.4	979927.377
Sb	121	1	He	99.848558	0.4	1492546.073
Ba	138	1	He	99.961769	1.1	3318374.953
Pt	195	1	He	20.585842	0.8	283449.843
Hg	202	1	He	0.011224	14.2	176.000
Tl	205	1	He	106.335026	0.4	5290445.757
Pb	208	1	He	104.847717	0.0	7010109.120
Bi	209	1	He	101.552317	1.5	5861997.620
Th	232	1	He	101.835039	1.3	7189224.890
U	238	1	He	100.312777	0.9	6773762.813

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.50487214	600688.333
Sc	45	2	H2	97.50411364	4801951.167
Ge	72	1	He	99.15543120	502235.843
Ge	72	2	H2	97.58901817	1664817.250
In	115	1	He	99.88856268	5906767.747
Tb	159	1	He	101.2916994	13980742.290
Ir	193	1	He	99.89133928	7224706.143

Sample Name	10606019001_B69910Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	045SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 16:45:59
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.593414	0.9	817.353
Be	9	2	H2	0.242425	7.6	127.667
B	11	2	H2	5.143910	1.0	4876.120
Na	23	1	He	3307.184670	7.2	3378900.367
Mg	24	1	He	1818.987366	7.0	1041848.763
Al	27	1	He	1816.405637	7.1	509439.507
Si	28	2	H2	11577.08090	0.2	40579426.667
K	39	1	He	983.607279	8.1	839183.400
Ca	43	1	He	7210.621135	7.3	16599.910
Ti	47	1	He	55.879407	7.3	14298.057
V	51	1	He	3.048653	4.5	21899.333
Cr	52	1	He	1.387963	6.7	14523.867
Mn	55	1	He	30.396445	6.3	190720.513
Fe	56	1	He	1314.262484	7.0	10889805.000
Co	59	1	He	0.794546	5.9	11000.823
Ni	60	1	He	1.435363	7.5	5182.937
Cu	63	1	He	2.482590	6.2	23950.327
Zn	66	1	He	11.913571	7.1	25965.153
As	75	1	He	1.773270	6.1	3580.610
Se	78	2	H2	0.231893	8.0	241.000
Sr	88	1	He	50.917430	6.1	587439.287
Mo	95	1	He	0.170086	9.5	1113.380
Pd	105	1	He	0.040260	9.3	600.020
Ag	107	1	He	0.243367	18.1	4922.577
Cd	111	1	He	0.123691	13.3	482.477
Sn	118	1	He	0.156886	4.8	1566.767
Sb	121	1	He	0.141949	11.5	2068.507
Ba	138	1	He	21.831730	6.4	689734.497
Pt	195	1	He	0.011743	10.6	315.337
Hg	202	1	He	0.168915	9.3	1178.387
Tl	205	1	He	0.094111	19.4	4770.903
Pb	208	1	He	0.646817	6.3	43417.647
Bi	209	1	He	0.076564	9.8	5921.433
Th	232	1	He	0.216345	8.8	15007.457
U	238	1	He	0.103884	10.4	7108.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.27833364	568489.730
Sc	45	2	H2	98.48063004	4850043.333
Ge	72	1	He	92.81187195	470104.847
Ge	72	2	H2	96.24597163	1641905.583
In	115	1	He	95.30338672	5635629.903
Tb	159	1	He	97.07542392	13398792.717
Ir	193	1	He	95.35341783	6896498.020

Sample Name	4308645_B69910Dx5
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	046SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 16:49:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.369564	6.6	241.333
Be	9	2	H2	0.087318	1.8	53.000
B	11	2	H2	-0.681921		2385.857
Na	23	1	He	640.225464	1.2	702410.950
Mg	24	1	He	355.642814	0.9	217066.083
Al	27	1	He	357.714427	1.7	106385.910
Si	28	2	H2	2332.470410	0.5	8168685.333
K	39	1	He	188.742677	1.2	230049.227
Ca	43	1	He	1379.179336	1.2	3380.187
Ti	47	1	He	11.503739	10.1	3119.410
V	51	1	He	0.606970	7.6	4187.457
Cr	52	1	He	0.292537	2.3	5300.970
Mn	55	1	He	5.963455	1.8	39898.833
Fe	56	1	He	255.905651	1.8	2255758.167
Co	59	1	He	0.161509	2.3	2398.203
Ni	60	1	He	0.285822	2.4	1253.390
Cu	63	1	He	0.497483	1.1	5224.950
Zn	66	1	He	2.626906	2.0	6173.330
As	75	1	He	0.342904	6.7	879.363
Se	78	2	H2	0.047141	16.1	74.333
Sr	88	1	He	9.868889	2.1	120226.177
Mo	95	1	He	0.037774	12.2	275.333
Pd	105	1	He	0.006445	41.9	288.340
Ag	107	1	He	0.059124	1.1	1351.743
Cd	111	1	He	0.029286	12.6	131.620
Sn	118	1	He	0.046225	8.8	538.350
Sb	121	1	He	0.034724	8.0	581.687
Ba	138	1	He	4.149766	1.7	139411.347
Pt	195	1	He	0.001971	86.2	194.667
Hg	202	1	He	0.036239	8.5	342.337
Tl	205	1	He	0.023931	12.3	1523.433
Pb	208	1	He	0.129761	2.6	10828.403
Bi	209	1	He	0.015885	42.4	2703.663
Th	232	1	He	0.045433	4.7	3690.557
U	238	1	He	0.021817	8.1	1930.163

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.51793851	600768.830
Sc	45	2	H2	98.26261415	4839306.333
Ge	72	1	He	97.70137773	494870.863
Ge	72	2	H2	97.32863030	1660375.170
In	115	1	He	101.0204805	5973702.097
Tb	159	1	He	100.8789136	13923767.710
Ir	193	1	He	99.47066096	7194280.310

Sample Name	4305776_B69910Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	047SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 16:53:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.949910	0.2	49863.447
Be	9	2	H2	103.918712	0.7	49455.397
B	11	2	H2	107.938715	0.4	48242.783
Na	23	1	He	5174.211952	0.8	5442219.083
Mg	24	1	He	3785.362938	0.8	2232861.320
Al	27	1	He	4356.129518	0.3	1259085.120
Si	28	2	H2	12857.13266	0.4	44622805.333
K	39	1	He	3053.141479	0.3	2534828.087
Ca	43	1	He	8846.903034	0.6	20988.773
Ti	47	1	He	196.671142	1.2	51856.470
V	51	1	He	107.104335	0.9	809549.167
Cr	52	1	He	107.699572	0.6	966390.857
Mn	55	1	He	133.681470	0.4	863105.707
Fe	56	1	He	3462.029548	0.8	29545516.667
Co	59	1	He	109.032707	1.0	1556149.460
Ni	60	1	He	110.504074	0.9	398037.540
Cu	63	1	He	110.360117	0.9	1093708.960
Zn	66	1	He	117.856502	0.6	264576.260
As	75	1	He	105.614186	0.7	210127.130
Se	78	2	H2	104.292556	1.0	93784.453
Sr	88	1	He	155.141805	1.0	1852840.440
Mo	95	1	He	102.085649	0.2	675961.853
Pd	105	1	He	20.840881	0.3	207193.043
Ag	107	1	He	51.968816	1.0	1061510.453
Cd	111	1	He	103.940573	0.1	406267.367
Sn	118	1	He	101.545375	0.4	995087.067
Sb	121	1	He	101.926996	0.6	1485662.323
Ba	138	1	He	124.140713	1.3	4018412.233
Pt	195	1	He	20.972399	1.5	280785.803
Hg	202	1	He	0.226397	3.9	1575.427
Tl	205	1	He	109.429838	0.6	5294100.547
Pb	208	1	He	107.579608	0.8	6994097.813
Bi	209	1	He	105.246954	0.1	5855422.620
Th	232	1	He	106.335620	0.6	7235176.973
U	238	1	He	104.703540	0.6	6814105.520

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.82219810	584161.457
Sc	45	2	H2	97.51618502	4802545.667
Ge	72	1	He	95.87043548	485596.890
Ge	72	2	H2	95.42782152	1627948.373
In	115	1	He	97.39957119	5759584.783
Tb	159	1	He	98.49803607	13595148.133
Ir	193	1	He	96.26351163	6962321.147

Sample Name	4305777_B69910Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	048SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 16:56:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	103.486617	0.9	49133.240
Be	9	2	H2	100.821968	1.2	48858.147
B	11	2	H2	105.986202	0.9	48285.430
Na	23	1	He	5039.062581	0.4	5389227.210
Mg	24	1	He	3667.679899	0.2	2199780.280
Al	27	1	He	4072.177601	0.2	1196739.127
Si	28	2	H2	12217.45851	0.8	43178789.333
K	39	1	He	2926.679776	0.2	2473492.463
Ca	43	1	He	8642.045919	0.3	20846.567
Ti	47	1	He	170.756848	1.3	45779.643
V	51	1	He	103.417549	0.4	794779.253
Cr	52	1	He	104.286049	0.5	951510.647
Mn	55	1	He	129.838570	0.6	852352.877
Fe	56	1	He	3309.684875	0.4	28719886.000
Co	59	1	He	104.742877	0.5	1523580.207
Ni	60	1	He	106.003298	0.2	389151.427
Cu	63	1	He	106.608217	0.4	1076788.917
Zn	66	1	He	113.317684	0.5	259265.843
As	75	1	He	103.320835	0.5	209503.843
Se	78	2	H2	103.119006	0.5	94214.200
Sr	88	1	He	149.555178	0.6	1820363.047
Mo	95	1	He	99.748624	0.8	665314.290
Pd	105	1	He	20.702600	1.1	207321.467
Ag	107	1	He	51.150123	0.3	1052438.550
Cd	111	1	He	102.055725	0.5	401815.120
Sn	118	1	He	99.149822	0.7	978707.303
Sb	121	1	He	99.964759	0.5	1467729.510
Ba	138	1	He	120.848276	0.7	3940497.547
Pt	195	1	He	20.633746	0.5	280141.250
Hg	202	1	He	0.163571	2.9	1182.053
Tl	205	1	He	105.965405	0.2	5198584.507
Pb	208	1	He	104.124828	0.8	6864647.710
Bi	209	1	He	101.421788	1.3	5715969.707
Th	232	1	He	101.622098	1.4	7004193.230
U	238	1	He	100.963630	1.1	6656104.693

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.40939572	593939.543
Sc	45	2	H2	99.30405951	4890596.167
Ge	72	1	He	97.70310260	494879.600
Ge	72	2	H2	96.96450925	1654163.457
In	115	1	He	98.11323970	5801786.553
Tb	159	1	He	99.88009682	13785906.460
Ir	193	1	He	97.52408906	7053493.230

Sample Name	10606019002_B69910Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	049SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 17:00:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.258982	8.3	190.167
Be	9	2	H2	0.246962	6.4	130.000
B	11	2	H2	-1.151082		2194.163
Na	23	1	He	58.602768	1.9	75335.627
Mg	24	1	He	5.678073	6.6	4959.193
Al	27	1	He	12.981866	1.8	3971.200
Si	28	2	H2	29.844156	0.3	118750.840
K	39	1	He	8.084927	8.7	80955.340
Ca	43	1	He	21.100861	13.6	70.250
Ti	47	1	He	0.163210	7.3	45.667
V	51	1	He	0.182053	19.8	893.867
Cr	52	1	He	0.841201	2.9	10455.733
Mn	55	1	He	0.451733	2.5	3351.727
Fe	56	1	He	5.266101	1.7	57607.453
Co	59	1	He	0.140561	4.8	2114.830
Ni	60	1	He	0.387548	5.1	1642.763
Cu	63	1	He	1.399948	1.4	14481.870
Zn	66	1	He	3.580801	2.0	8439.140
As	75	1	He	0.082030	9.2	354.837
Se	78	2	H2	0.081821	25.6	106.667
Sr	88	1	He	0.200137	3.7	2596.923
Mo	95	1	He	0.093728	3.1	656.020
Pd	105	1	He	0.007544	28.9	298.340
Ag	107	1	He	0.156290	14.8	3390.440
Cd	111	1	He	0.160891	5.1	661.233
Sn	118	1	He	0.115433	5.6	1235.063
Sb	121	1	He	0.075165	6.0	1186.727
Ba	138	1	He	0.244325	0.9	8274.197
Pt	195	1	He	0.010939	20.5	317.340
Hg	202	1	He	0.002165	134.1	114.667
Tl	205	1	He	0.151659	6.6	7844.047
Pb	208	1	He	0.242781	1.8	18336.617
Bi	209	1	He	0.151994	2.2	10504.323
Th	232	1	He	0.095328	3.4	7185.387
U	238	1	He	0.067841	3.5	5014.340

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	98.49119791	606764.690
Sc	45	2	H2	98.62258979	4857034.667
Ge	72	1	He	98.67935391	499824.447
Ge	72	2	H2	97.88250105	1669823.913
In	115	1	He	100.4394379	5939342.970
Tb	159	1	He	100.7995768	13912817.290
Ir	193	1	He	99.27444197	7180088.643

Sample Name	10606019003_B69910Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	050SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 17:04:18
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.769330	2.2	1376.897
Be	9	2	H2	0.285332	2.2	149.000
B	11	2	H2	6.303281	3.0	5396.463
Na	23	1	He	3710.672068	1.6	3826245.047
Mg	24	1	He	2227.678027	1.7	1287782.480
Al	27	1	He	4982.220141	1.8	1410586.960
Si	28	2	H2	19353.19227	0.4	68156701.333
K	39	1	He	1506.587545	1.3	1260717.377
Ca	43	1	He	8322.778809	1.6	19343.213
Ti	47	1	He	133.895779	3.2	34579.923
V	51	1	He	6.963022	2.2	51079.577
Cr	52	1	He	2.327246	2.1	22887.180
Mn	55	1	He	36.336282	1.6	230032.680
Fe	56	1	He	3494.409547	0.8	29215268.667
Co	59	1	He	0.827337	1.0	11523.903
Ni	60	1	He	2.335625	3.2	8365.080
Cu	63	1	He	3.573704	1.9	34603.660
Zn	66	1	He	13.505382	2.0	29603.413
As	75	1	He	1.251628	3.3	2593.900
Se	78	2	H2	0.146000	4.9	161.333
Sr	88	1	He	73.163234	2.1	849168.450
Mo	95	1	He	0.194337	0.9	1281.393
Pd	105	1	He	0.041558	7.9	616.687
Ag	107	1	He	0.087920	6.8	1860.140
Cd	111	1	He	0.061320	5.5	248.103
Sn	118	1	He	0.178463	3.6	1786.793
Sb	121	1	He	0.153732	6.0	2258.537
Ba	138	1	He	47.605429	1.4	1516152.790
Pt	195	1	He	0.009341	6.1	285.333
Hg	202	1	He	0.020870	16.0	231.667
Tl	205	1	He	0.079393	6.1	4122.350
Pb	208	1	He	0.845983	2.4	56460.160
Bi	209	1	He	0.040449	5.7	3973.997
Th	232	1	He	0.355486	0.6	24628.477
U	238	1	He	0.131369	0.7	8981.513

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.89687802	572300.333
Sc	45	2	H2	98.96286271	4873792.667
Ge	72	1	He	93.17901569	471964.480
Ge	72	2	H2	95.15983259	1623376.623
In	115	1	He	95.83725670	5667199.543
Tb	159	1	He	97.37714257	13440437.300
Ir	193	1	He	96.10582207	6950916.147

Sample Name	10606021001_B69910Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	051SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 17:07:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.389011	0.6	722.687
Be	9	2	H2	0.118391	9.7	68.167
B	11	2	H2	2.888105	4.4	3921.510
Na	23	1	He	6558.519695	1.2	6840732.607
Mg	24	1	He	5902.232798	1.3	3453205.573
Al	27	1	He	7.044972	5.0	2090.153
Si	28	2	H2	15774.76865	0.6	55396382.667
K	39	1	He	766.931133	0.9	684722.753
Ca	43	1	He	14193.97979	0.4	33397.670
Ti	47	1	He	0.596542	2.9	157.000
V	51	1	He	0.251117	21.6	1372.620
Cr	52	1	He	0.388275	3.9	5963.897
Mn	55	1	He	5.591323	1.1	36109.723
Fe	56	1	He	60.808382	0.7	525118.707
Co	59	1	He	0.198629	2.7	2867.623
Ni	60	1	He	3.092167	1.6	11271.040
Cu	63	1	He	0.291284	4.1	3067.000
Zn	66	1	He	4.488816	1.3	10179.573
As	75	1	He	0.247036	4.0	669.020
Se	78	2	H2	0.299716	9.9	301.667
Sr	88	1	He	91.526208	0.3	1087193.577
Mo	95	1	He	0.912107	3.4	6073.977
Pd	105	1	He	0.050525	14.4	718.360
Ag	107	1	He	0.030619	12.9	723.357
Cd	111	1	He	0.099523	5.6	402.583
Sn	118	1	He	0.161074	1.3	1650.113
Sb	121	1	He	0.070893	5.9	1091.720
Ba	138	1	He	19.228403	0.3	624503.663
Pt	195	1	He	0.011979	16.5	324.003
Hg	202	1	He	0.002060	48.8	111.333
Tl	205	1	He	0.065701	4.6	3508.827
Pb	208	1	He	1.968917	1.3	130124.650
Bi	209	1	He	0.061572	3.7	5141.070
Th	232	1	He	0.016299	6.7	1585.110
U	238	1	He	0.034731	10.6	2698.640

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.07149989	579536.707
Sc	45	2	H2	98.67621557	4859675.667
Ge	72	1	He	95.34284265	482924.560
Ge	72	2	H2	95.95291862	1636906.253
In	115	1	He	97.70793239	5777819.283
Tb	159	1	He	98.51168703	13597032.300
Ir	193	1	He	95.96771409	6940927.397

Sample Name	10606021002_B69910Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	052SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 17:11:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.003614	5.3	1019.537
Be	9	2	H2	0.152984	2.7	85.500
B	11	2	H2	0.488587	28.3	2917.783
Na	23	1	He	5145.388910	0.1	5421988.040
Mg	24	1	He	6901.324332	0.3	4077221.187
Al	27	1	He	47.001962	2.8	13680.877
Si	28	2	H2	19443.14493	1.4	68789328.000
K	39	1	He	818.574339	0.8	733199.390
Ca	43	1	He	10149.38184	0.2	24120.243
Ti	47	1	He	1.084296	9.6	287.333
V	51	1	He	1.141735	9.7	8135.047
Cr	52	1	He	0.877474	1.7	10409.047
Mn	55	1	He	16.387079	0.8	106268.830
Fe	56	1	He	34.765899	2.2	307709.833
Co	59	1	He	1.720629	1.8	24569.987
Ni	60	1	He	0.305508	2.5	1298.730
Cu	63	1	He	0.328221	0.5	3445.087
Zn	66	1	He	2.761617	1.9	6352.073
As	75	1	He	0.117743	7.6	415.177
Se	78	2	H2	0.045758	8.9	72.333
Sr	88	1	He	33.958989	0.9	405106.610
Mo	95	1	He	0.206108	6.4	1386.740
Pd	105	1	He	0.015853	30.4	373.343
Ag	107	1	He	0.025846	15.0	626.683
Cd	111	1	He	0.114248	4.5	461.093
Sn	118	1	He	0.086990	10.3	923.370
Sb	121	1	He	0.034573	9.5	561.687
Ba	138	1	He	1.207133	0.3	39384.310
Pt	195	1	He	0.010612	21.8	308.007
Hg	202	1	He	0.003355	126.3	120.667
Tl	205	1	He	0.082389	1.4	4350.747
Pb	208	1	He	0.164903	2.7	12962.493
Bi	209	1	He	0.084635	7.4	6451.707
Th	232	1	He	0.045984	1.5	3617.203
U	238	1	He	0.040377	2.6	3082.057

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.99459803	585223.543
Sc	45	2	H2	99.42835381	4896717.500
Ge	72	1	He	95.73299794	484900.750
Ge	72	2	H2	96.34862955	1643656.873
In	115	1	He	97.88236793	5788134.280
Tb	159	1	He	99.30511765	13706545.213
Ir	193	1	He	96.46348098	6976784.060

Sample Name	CCV
Sample Type	CCV
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	053_CCV.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 17:15:17
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	84.130873	0.9	39386.950
Be	9	2	H2	81.890898	0.4	39122.823
B	11	2	H2	78.922614	1.1	36124.323
Na	23	1	He	995.570110	1.6	1103250.607
Mg	24	1	He	998.565787	1.8	616431.620
Al	27	1	He	1002.279530	1.7	302692.230
Si	28	2	H2	507.277801	0.5	1780653.087
K	39	1	He	1002.966755	1.6	920000.873
Ca	43	1	He	1001.378700	1.5	2498.207
Ti	47	1	He	79.014582	1.9	21765.373
V	51	1	He	78.695932	2.5	621241.797
Cr	52	1	He	81.181319	2.2	761585.687
Mn	55	1	He	80.033017	2.2	539905.770
Fe	56	1	He	498.382609	2.0	4452597.667
Co	59	1	He	82.341223	1.5	1222862.210
Ni	60	1	He	82.978273	2.4	311034.260
Cu	63	1	He	83.420443	1.6	860281.583
Zn	66	1	He	81.842330	1.1	191231.783
As	75	1	He	79.913452	1.5	165482.980
Se	78	2	H2	81.237782	0.6	74580.257
Sr	88	1	He	81.209208	1.3	1009288.450
Mo	95	1	He	76.998770	1.2	528678.480
Pd	105	1	He	82.070042	1.3	845376.473
Ag	107	1	He	41.904694	1.4	887539.777
Cd	111	1	He	79.832741	1.2	323563.720
Sn	118	1	He	76.900932	0.8	781451.160
Sb	121	1	He	77.383735	0.5	1169641.390
Ba	138	1	He	77.637801	0.8	2606137.200
Pt	195	1	He	81.422917	2.2	1118678.413
Hg	202	1	He	3.854727	2.0	25932.827
Tl	205	1	He	41.596581	2.6	2066070.593
Pb	208	1	He	81.632226	2.3	5448861.243
Bi	209	1	He	79.149885	0.6	4550920.350
Th	232	1	He	77.018110	1.4	5415099.083
U	238	1	He	78.390787	2.2	5271487.633

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.07429443	610356.913
Sc	45	2	H2	97.88810683	4820862.333
Ge	72	1	He	99.76266387	505311.560
Ge	72	2	H2	97.41695561	1661881.953
In	115	1	He	101.0020869	5972614.417
Tb	159	1	He	101.1438483	13960335.210
Ir	193	1	He	99.47906623	7194888.227

Sample Name	CCB
Sample Type	CCB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	054_CCB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 17:18:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.080409	12.7	105.500
Be	9	2	H2	0.048864	5.5	34.500
B	11	2	H2	-1.881153		1872.117
Na	23	1	He	-0.085473		11290.987
Mg	24	1	He	-0.582123		1120.053
Al	27	1	He	0.195571	10.3	131.667
Si	28	2	H2	0.197291	66.7	14640.867
K	39	1	He	-1.381674		72639.393
Ca	43	1	He	-1.658162		14.167
Ti	47	1	He	0.005006	43.4	2.333
V	51	1	He	0.009272	59.7	-461.777
Cr	52	1	He	0.001983	264.1	2639.583
Mn	55	1	He	-0.002781		303.337
Fe	56	1	He	0.139166	2.6	12113.027
Co	59	1	He	0.007339	15.0	156.667
Ni	60	1	He	-0.002664		195.333
Cu	63	1	He	0.006906	20.7	272.000
Zn	66	1	He	0.000582	45.1	170.000
As	75	1	He	-0.006724		172.000
Se	78	2	H2	0.011182	40.6	41.333
Sr	88	1	He	0.002258	237.1	163.337
Mo	95	1	He	0.014051	29.5	112.667
Pd	105	1	He	0.014658	16.2	373.343
Ag	107	1	He	0.139171	21.0	3047.030
Cd	111	1	He	0.004647	44.9	31.650
Sn	118	1	He	0.008954	39.9	160.000
Sb	121	1	He	0.004159	44.1	120.000
Ba	138	1	He	0.003290	15.4	230.000
Pt	195	1	He	0.000610	264.0	174.000
Hg	202	1	He	0.025601	19.7	268.333
Tl	205	1	He	0.047147	25.8	2641.960
Pb	208	1	He	0.003992	30.7	2431.773
Bi	209	1	He	0.003564	119.9	1973.520
Th	232	1	He	0.016361	6.5	1630.117
U	238	1	He	0.002668	25.2	635.023

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.96903486	603547.853
Sc	45	2	H2	98.08463654	4830541.167
Ge	72	1	He	97.99467813	496356.470
Ge	72	2	H2	97.22051070	1658530.707
In	115	1	He	101.0316772	5974364.197
Tb	159	1	He	99.83243622	13779328.127
Ir	193	1	He	98.43721019	7119535.310

Sample Name	10606022001_B69910Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	055SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 17:22:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.422026	3.2	1709.430
Be	9	2	H2	0.308584	1.2	162.500
B	11	2	H2	5.907369	2.8	5301.600
Na	23	1	He	3760.647795	0.4	3963097.440
Mg	24	1	He	2112.578424	0.5	1248235.817
Al	27	1	He	6389.226280	0.9	1848816.873
Si	28	2	H2	22061.82550	0.5	78802597.333
K	39	1	He	1739.558962	0.3	1476646.647
Ca	43	1	He	7590.972550	0.0	18032.630
Ti	47	1	He	226.750688	2.3	59855.803
V	51	1	He	7.661972	1.2	57501.423
Cr	52	1	He	2.964311	1.2	29098.800
Mn	55	1	He	31.219642	0.4	202041.873
Fe	56	1	He	3801.566347	0.7	32480324.000
Co	59	1	He	0.783989	1.9	11142.260
Ni	60	1	He	2.273809	2.2	8315.723
Cu	63	1	He	3.359733	0.9	33204.437
Zn	66	1	He	14.196338	0.4	31743.273
As	75	1	He	1.452434	1.4	3042.820
Se	78	2	H2	0.139059	7.2	156.000
Sr	88	1	He	64.886129	0.6	768455.167
Mo	95	1	He	0.217397	3.3	1463.417
Pd	105	1	He	0.050005	12.2	715.023
Ag	107	1	He	0.092934	8.9	2005.160
Cd	111	1	He	0.053502	11.3	222.737
Sn	118	1	He	0.243380	3.8	2465.237
Sb	121	1	He	0.219324	5.0	3270.420
Ba	138	1	He	46.299121	0.1	1507329.563
Pt	195	1	He	0.011954	20.5	326.673
Hg	202	1	He	0.042468	9.4	378.677
Tl	205	1	He	0.080850	3.3	4282.387
Pb	208	1	He	1.016861	0.7	68900.367
Bi	209	1	He	0.040994	10.5	4074.023
Th	232	1	He	0.607092	4.1	42422.333
U	238	1	He	0.203325	1.5	13887.610

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.93127896	584833.460
Sc	45	2	H2	100.3732484	4943252.333
Ge	72	1	He	95.05455100	481464.323
Ge	72	2	H2	95.72814361	1633071.710
In	115	1	He	97.95319881	5792322.763
Tb	159	1	He	99.46759175	13728970.630
Ir	193	1	He	97.73225914	7068549.267

Sample Name	10606022002_B69910Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	056SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 17:26:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.667775	59.1	890.193
Be	9	2	H2	0.539674	54.1	184.500
B	11	2	H2	8.923725	96.0	4360.963
Na	23	1	He	3144.577555	0.7	3290493.073
Mg	24	1	He	1722.481098	0.4	1010291.520
Al	27	1	He	2048.016326	1.0	588170.313
Si	28	2	H2	17831.94061	57.4	41854434.667
K	39	1	He	952.809864	1.0	834745.120
Ca	43	1	He	6714.788492	1.3	15831.677
Ti	47	1	He	67.878281	1.5	17784.160
V	51	1	He	3.191603	4.5	23467.657
Cr	52	1	He	1.282381	2.5	13923.293
Mn	55	1	He	26.134763	0.5	167899.797
Fe	56	1	He	1378.105922	0.3	11691984.333
Co	59	1	He	0.648537	2.0	9240.940
Ni	60	1	He	1.398926	2.7	5200.940
Cu	63	1	He	2.521619	0.4	25012.120
Zn	66	1	He	11.975185	1.2	26847.430
As	75	1	He	1.639973	1.6	3418.403
Se	78	2	H2	0.469340	61.1	299.000
Sr	88	1	He	47.662881	1.3	565431.113
Mo	95	1	He	0.184719	4.0	1246.057
Pd	105	1	He	0.032627	10.1	541.680
Ag	107	1	He	0.161148	5.3	3407.100
Cd	111	1	He	0.215736	3.7	860.807
Sn	118	1	He	0.174496	6.3	1786.797
Sb	121	1	He	0.196502	3.4	2936.993
Ba	138	1	He	21.831688	0.7	711046.813
Pt	195	1	He	0.012415	25.6	333.340
Hg	202	1	He	0.204213	2.2	1445.413
Tl	205	1	He	0.144612	2.8	7400.483
Pb	208	1	He	0.719096	3.1	49367.653
Bi	209	1	He	0.180631	2.2	11965.637
Th	232	1	He	0.282292	4.0	19994.080
U	238	1	He	0.252082	1.8	17116.410

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.21146520	580398.977
Sc	45	2	H2	78.71926793	3876821.873
Ge	72	1	He	95.21333644	482268.593
Ge	72	2	H2	76.04070734	1297214.417
In	115	1	He	97.98592320	5794257.873
Tb	159	1	He	99.50294476	13733850.213
Ir	193	1	He	97.78223279	7072163.643

Sample Name	10606022003_B69910Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	057SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 17:29:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.733316	0.6	1853.280
Be	9	2	H2	0.304072	2.1	159.833
B	11	2	H2	5.917288	3.6	5290.760
Na	23	1	He	3789.256092	0.8	3983148.170
Mg	24	1	He	2172.716666	1.2	1280495.737
Al	27	1	He	7161.060497	0.9	2066950.000
Si	28	2	H2	23487.64685	0.1	83654869.333
K	39	1	He	1798.806237	0.3	1520693.413
Ca	43	1	He	7603.276137	1.0	18016.187
Ti	47	1	He	276.058053	1.7	72690.360
V	51	1	He	8.436581	0.9	63210.370
Cr	52	1	He	2.988268	0.1	29241.093
Mn	55	1	He	31.995672	0.7	206535.013
Fe	56	1	He	4011.107292	0.8	34184270.667
Co	59	1	He	0.807189	0.6	11501.880
Ni	60	1	He	2.376281	0.6	8705.280
Cu	63	1	He	3.533200	1.0	35003.283
Zn	66	1	He	14.609486	0.5	32750.817
As	75	1	He	1.470834	0.8	3087.500
Se	78	2	H2	0.121653	5.1	139.667
Sr	88	1	He	64.787746	0.3	769372.460
Mo	95	1	He	0.235667	8.9	1582.097
Pd	105	1	He	0.034740	10.6	561.683
Ag	107	1	He	0.072860	5.8	1590.103
Cd	111	1	He	0.053188	6.4	221.050
Sn	118	1	He	0.249753	3.9	2523.583
Sb	121	1	He	0.260343	2.9	3863.977
Ba	138	1	He	47.798044	0.5	1553285.913
Pt	195	1	He	0.012572	11.0	336.007
Hg	202	1	He	0.036392	8.5	339.673
Tl	205	1	He	0.075734	4.7	4043.983
Pb	208	1	He	1.027782	0.9	69825.047
Bi	209	1	He	0.039059	6.3	3984.017
Th	232	1	He	0.679090	4.0	47627.583
U	238	1	He	0.223869	2.8	15324.487

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.69457305	583375.210
Sc	45	2	H2	100.0861207	4929111.667
Ge	72	1	He	95.31195635	482768.117
Ge	72	2	H2	95.27809298	1625394.083
In	115	1	He	97.77720539	5781915.643
Tb	159	1	He	99.76238530	13769659.380
Ir	193	1	He	98.21729057	7103629.480

Sample Name	10606024001_B69910Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	058SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 17:33:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	28.015188	1.1	12884.963
Be	9	2	H2	0.070150	18.6	43.667
B	11	2	H2	7.825939	0.8	5857.970
Na	23	1	He	15314.48147	0.2	15926567.677
Mg	24	1	He	7363.940084	0.4	4299338.270
Al	27	1	He	10.360974	2.5	3034.980
Si	28	2	H2	7001.015023	0.2	23884340.667
K	39	1	He	5812.115671	0.6	4713422.117
Ca	43	1	He	30614.69446	0.1	71866.803
Ti	47	1	He	0.239015	14.3	63.333
V	51	1	He	0.143402	48.5	562.547
Cr	52	1	He	0.533677	2.7	7240.463
Mn	55	1	He	79.517280	0.6	508418.750
Fe	56	1	He	209.847010	0.4	1782903.290
Co	59	1	He	1.159636	1.0	16402.553
Ni	60	1	He	2.443876	0.3	8892.730
Cu	63	1	He	0.460547	0.7	4704.770
Zn	66	1	He	2.043516	4.6	4693.433
As	75	1	He	2.598841	0.6	5284.467
Se	78	2	H2	0.038657	39.9	64.667
Sr	88	1	He	730.291885	0.1	8618301.747
Mo	95	1	He	3.393925	1.7	22331.480
Pd	105	1	He	0.384226	1.5	4002.267
Ag	107	1	He	0.022597	5.9	553.350
Cd	111	1	He	0.052399	0.3	215.647
Sn	118	1	He	0.580287	0.9	5712.877
Sb	121	1	He	0.578626	3.2	8430.937
Ba	138	1	He	90.200117	1.1	2899610.270
Pt	195	1	He	0.010194	5.1	299.333
Hg	202	1	He	0.009475	15.0	159.333
Tl	205	1	He	0.032968	3.3	1920.160
Pb	208	1	He	0.086639	1.3	7752.577
Bi	209	1	He	0.032761	7.3	3530.537
Th	232	1	He	0.020434	6.9	1858.483
U	238	1	He	0.626259	0.5	40917.797

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.87858031	578348.207
Sc	45	2	H2	95.83000865	4719503.667
Ge	72	1	He	94.73177724	479829.430
Ge	72	2	H2	94.55642416	1613082.793
In	115	1	He	96.72708261	5719818.130
Tb	159	1	He	98.27020525	13563701.883
Ir	193	1	He	95.59964214	6914306.353

Sample Name	10606024002_B69910Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	059SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 17:37:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.247711	3.1	1604.083
Be	9	2	H2	0.049565	11.8	35.167
B	11	2	H2	4.064086	2.9	4440.150
Na	23	1	He	7746.750761	0.1	8027386.967
Mg	24	1	He	23536.35567	0.5	13679649.800
Al	27	1	He	64.898448	2.1	18560.823
Si	28	2	H2	24929.62410	0.7	87852800.000
K	39	1	He	3477.458274	0.4	2836361.103
Ca	43	1	He	23114.91064	0.3	54034.000
Ti	47	1	He	1.763701	13.1	459.343
V	51	1	He	3.965176	7.8	29056.780
Cr	52	1	He	1.213003	4.7	13202.817
Mn	55	1	He	6.019259	0.1	38606.040
Fe	56	1	He	196.072330	0.8	1659440.670
Co	59	1	He	0.132966	2.2	1910.133
Ni	60	1	He	0.508798	2.0	1994.810
Cu	63	1	He	0.309827	2.6	3207.030
Zn	66	1	He	1.435990	3.5	3323.727
As	75	1	He	0.658198	2.4	1462.407
Se	78	2	H2	0.238337	2.1	244.000
Sr	88	1	He	98.901546	0.5	1159326.103
Mo	95	1	He	0.645870	1.3	4221.307
Pd	105	1	He	0.051290	8.6	711.693
Ag	107	1	He	0.013486	7.1	365.010
Cd	111	1	He	0.030192	14.0	128.240
Sn	118	1	He	0.190721	3.1	1903.483
Sb	121	1	He	0.057255	8.2	875.037
Ba	138	1	He	4.426360	1.2	141024.137
Pt	195	1	He	0.005650	23.6	240.000
Hg	202	1	He	0.010505	17.3	167.000
Tl	205	1	He	0.023164	13.5	1455.093
Pb	208	1	He	0.039126	4.1	4697.040
Bi	209	1	He	0.019809	17.0	2813.690
Th	232	1	He	0.032515	5.5	2673.630
U	238	1	He	0.396626	1.4	26062.850

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.47813218	575881.207
Sc	45	2	H2	99.02868508	4877034.333
Ge	72	1	He	94.08760184	476566.593
Ge	72	2	H2	95.11996969	1622696.583
In	115	1	He	95.79174764	5664508.430
Tb	159	1	He	98.81516862	13638920.213
Ir	193	1	He	95.54945538	6910676.563

Sample Name	4309483_B69981Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	060SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 17:40:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	110.517975	0.7	51605.410
Be	9	2	H2	107.686670	0.5	51328.930
B	11	2	H2	106.052773	1.1	47520.027
Na	23	1	He	2205.780719	3.5	2335519.963
Mg	24	1	He	2196.024214	3.9	1300961.077
Al	27	1	He	2180.507109	3.9	632701.023
Si	28	2	H2	538.904970	1.1	1886564.127
K	39	1	He	2207.416400	3.7	1859633.203
Ca	43	1	He	2216.624246	4.1	5292.143
Ti	47	1	He	108.618531	4.6	28746.960
V	51	1	He	108.661861	4.4	824404.670
Cr	52	1	He	112.644024	4.1	1014475.333
Mn	55	1	He	110.693874	3.6	717524.873
Fe	56	1	He	2203.379252	3.8	18880474.000
Co	59	1	He	114.690840	4.9	1637362.043
Ni	60	1	He	115.760559	4.7	417098.803
Cu	63	1	He	113.679130	4.3	1127066.000
Zn	66	1	He	112.910123	4.7	253560.553
As	75	1	He	109.551744	4.6	218023.937
Se	78	2	H2	106.635276	0.5	97859.297
Sr	88	1	He	111.397712	4.9	1330794.357
Mo	95	1	He	107.157860	4.3	703056.500
Pd	105	1	He	22.262814	3.9	219309.763
Ag	107	1	He	57.034447	2.7	1154765.320
Cd	111	1	He	110.201320	3.5	426876.473
Sn	118	1	He	105.489157	3.6	1024450.660
Sb	121	1	He	107.230642	3.4	1549019.040
Ba	138	1	He	108.301371	4.5	3473531.613
Pt	195	1	He	21.945176	2.9	292295.790
Hg	202	1	He	0.007889	26.8	148.667
Tl	205	1	He	114.247873	3.2	5498389.710
Pb	208	1	He	112.120914	2.8	7251835.937
Bi	209	1	He	109.129826	3.7	6062483.240
Th	232	1	He	109.929975	4.6	7467083.637
U	238	1	He	108.129900	3.1	7027773.230

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.25910103	586853.040
Sc	45	2	H2	97.67122802	4810181.333
Ge	72	1	He	96.01853809	486347.050
Ge	72	2	H2	97.39013806	1661424.460
In	115	1	He	96.61353623	5713103.727
Tb	159	1	He	98.04213593	13532222.717
Ir	193	1	He	96.21322403	6958684.063

Sample Name	10606366001_B69981Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	061SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 17:44:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.138274	7.4	134.000
Be	9	2	H2	0.069077	14.7	44.667
B	11	2	H2	-1.340831		2124.313
Na	23	1	He	4.684739	30.2	16429.167
Mg	24	1	He	5.231139	38.9	4652.463
Al	27	1	He	6.604306	27.8	2041.817
Si	28	2	H2	2.917446	1.0	24391.917
K	39	1	He	1.863640	48.4	75159.987
Ca	43	1	He	16.136154	11.1	57.617
Ti	47	1	He	0.176535	44.1	49.000
V	51	1	He	0.014759	655.1	-416.887
Cr	52	1	He	0.603763	12.3	8185.647
Mn	55	1	He	0.178605	51.9	1510.760
Fe	56	1	He	4.616453	36.4	51490.570
Co	59	1	He	0.113894	71.6	1716.143
Ni	60	1	He	0.245788	30.7	1113.380
Cu	63	1	He	0.209358	39.2	2330.210
Zn	66	1	He	0.928268	11.0	2305.523
As	75	1	He	0.099619	73.2	389.337
Se	78	2	H2	0.021796	19.5	51.667
Sr	88	1	He	0.129771	55.5	1725.143
Mo	95	1	He	0.118560	67.1	826.703
Pd	105	1	He	0.008787	91.7	311.670
Ag	107	1	He	0.216457	36.9	4665.893
Cd	111	1	He	0.102984	74.9	428.190
Sn	118	1	He	0.123204	64.3	1315.087
Sb	121	1	He	0.117703	57.5	1828.497
Ba	138	1	He	0.145235	48.6	4974.417
Pt	195	1	He	0.027002	62.3	536.017
Hg	202	1	He	0.005348	29.3	136.000
Tl	205	1	He	0.126152	65.9	6560.497
Pb	208	1	He	0.099113	79.2	8753.100
Bi	209	1	He	0.100924	80.1	7579.537
Th	232	1	He	0.113244	68.1	8443.657
U	238	1	He	0.097015	81.3	6969.373

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.73083775	602080.417
Sc	45	2	H2	99.13669808	4882353.833
Ge	72	1	He	98.35239731	498168.367
Ge	72	2	H2	98.39013220	1678483.833
In	115	1	He	100.7437781	5957339.693
Tb	159	1	He	100.8543829	13920381.873
Ir	193	1	He	99.64688645	7207025.933

Sample Name	10606366002_B69981Dx5
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	062SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 17:48:14
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.284313	3.0	203.500
Be	9	2	H2	0.040428	21.0	30.833
B	11	2	H2	66.143274	0.9	31150.643
Na	23	1	He	154.203860	0.8	179299.083
Mg	24	1	He	222.073257	0.7	137251.387
Al	27	1	He	10.321540	1.0	3167.343
Si	28	2	H2	85.391738	1.6	315815.117
K	39	1	He	57.958796	0.8	122565.653
Ca	43	1	He	1803.209601	0.8	4451.320
Ti	47	1	He	0.242654	4.8	67.333
V	51	1	He	-0.027132		-748.873
Cr	52	1	He	0.123204	3.4	3774.500
Mn	55	1	He	16.786437	0.4	112684.953
Fe	56	1	He	19.826007	1.2	186344.783
Co	59	1	He	0.026679	4.6	447.343
Ni	60	1	He	0.056736	7.4	422.010
Cu	63	1	He	0.122995	3.5	1476.077
Zn	66	1	He	1.078598	3.6	2693.590
As	75	1	He	0.027126	18.8	245.500
Se	78	2	H2	0.041929	20.6	71.000
Sr	88	1	He	10.427738	0.4	129918.360
Mo	95	1	He	1.356230	0.8	9322.390
Pd	105	1	He	0.004171	32.7	265.000
Ag	107	1	He	0.037756	1.6	898.373
Cd	111	1	He	0.013712	7.7	68.323
Sn	118	1	He	0.024394	2.7	316.677
Sb	121	1	He	0.026663	21.9	460.010
Ba	138	1	He	0.870896	2.0	29332.887
Pt	195	1	He	0.003193	26.7	211.333
Hg	202	1	He	0.004904	36.4	133.000
Tl	205	1	He	0.017706	4.0	1215.070
Pb	208	1	He	0.063764	5.9	6437.293
Bi	209	1	He	0.008181	23.0	2233.563
Th	232	1	He	0.015206	17.6	1548.440
U	238	1	He	0.059084	2.7	4382.443

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	98.33943018	605829.710
Sc	45	2	H2	99.30201208	4890495.333
Ge	72	1	He	99.90613876	506038.280
Ge	72	2	H2	99.32616637	1694452.083
In	115	1	He	100.9365070	5968736.443
Tb	159	1	He	100.8907079	13925395.623
Ir	193	1	He	98.26734768	7107249.893

Sample Name	10606366007_B69981Dx5
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	063SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 17:51:54
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.236853	0.8	1112.373
Be	9	2	H2	0.034041	18.6	27.333
B	11	2	H2	84.275929	0.6	38367.150
Na	23	1	He	2213.185796	0.4	2394455.590
Mg	24	1	He	1347.818191	0.1	816527.047
Al	27	1	He	26.888822	0.0	8044.860
Si	28	2	H2	1248.915518	0.9	4360472.333
K	39	1	He	178.790863	1.2	221236.533
Ca	43	1	He	5217.050960	0.9	12704.007
Ti	47	1	He	0.638502	9.9	173.667
V	51	1	He	0.300811	14.1	1803.590
Cr	52	1	He	0.303185	2.7	5385.673
Mn	55	1	He	3.932053	1.0	26352.353
Fe	56	1	He	33.470227	0.5	303729.477
Co	59	1	He	0.028890	0.6	475.343
Ni	60	1	He	0.137937	7.6	719.353
Cu	63	1	He	0.819936	0.4	8584.553
Zn	66	1	He	0.919734	6.2	2298.857
As	75	1	He	0.178547	4.2	553.510
Se	78	2	H2	0.049105	5.9	76.333
Sr	88	1	He	21.987602	0.7	270991.910
Mo	95	1	He	0.651224	2.7	4455.377
Pd	105	1	He	0.009391	44.7	316.677
Ag	107	1	He	0.018298	9.7	483.343
Cd	111	1	He	0.007494	33.6	42.863
Sn	118	1	He	0.019146	2.9	261.670
Sb	121	1	He	0.029544	6.7	500.013
Ba	138	1	He	1.383647	1.4	46228.900
Pt	195	1	He	0.002764	65.8	204.667
Hg	202	1	He	0.003931	17.5	126.000
Tl	205	1	He	0.012372	9.2	946.710
Pb	208	1	He	0.023788	7.8	3758.563
Bi	209	1	He	0.006312	13.0	2123.557
Th	232	1	He	0.010320	22.7	1205.070
U	238	1	He	0.035466	7.5	2806.993

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.26949889	599238.293
Sc	45	2	H2	97.81701189	4817361.000
Ge	72	1	He	98.88756875	500879.083
Ge	72	2	H2	97.56739031	1664448.290
In	115	1	He	100.2734881	5929529.763
Tb	159	1	He	100.4740037	13867880.207
Ir	193	1	He	98.08128529	7093792.810

Sample Name	10606366008_B69981Dx5
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	064SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 17:55:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.297095	7.6	207.500
Be	9	2	H2	0.031312	4.9	26.167
B	11	2	H2	67.401712	0.6	31384.120
Na	23	1	He	157.344987	0.9	181921.910
Mg	24	1	He	219.744817	1.2	135233.507
Al	27	1	He	11.839993	2.8	3606.787
Si	28	2	H2	89.149640	0.9	325904.750
K	39	1	He	58.940572	0.9	122846.250
Ca	43	1	He	1782.868472	1.1	4382.023
Ti	47	1	He	0.219243	14.6	60.667
V	51	1	He	-0.034807		-805.317
Cr	52	1	He	0.230504	6.4	4749.457
Mn	55	1	He	16.821991	0.6	112428.980
Fe	56	1	He	23.181065	0.9	215087.563
Co	59	1	He	0.026012	12.2	432.010
Ni	60	1	He	0.074878	16.4	484.010
Cu	63	1	He	0.125568	4.3	1484.083
Zn	66	1	He	0.961561	3.0	2390.203
As	75	1	He	0.024376	3.7	236.833
Se	78	2	H2	0.038030	23.7	66.667
Sr	88	1	He	10.551805	0.6	129838.007
Mo	95	1	He	1.397665	1.9	9526.533
Pd	105	1	He	-0.000185		218.333
Ag	107	1	He	0.012310	19.8	356.677
Cd	111	1	He	0.009452	38.2	50.620
Sn	118	1	He	0.027790	8.6	348.343
Sb	121	1	He	0.021369	20.8	376.677
Ba	138	1	He	0.880729	1.7	29416.300
Pt	195	1	He	0.002137	65.2	197.333
Hg	202	1	He	0.001719	110.9	112.000
Tl	205	1	He	0.007648	7.1	718.363
Pb	208	1	He	0.065807	2.3	6585.643
Bi	209	1	He	0.004530	10.5	2026.860
Th	232	1	He	0.008633	18.1	1091.723
U	238	1	He	0.054503	7.2	4079.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.90894221	603177.647
Sc	45	2	H2	98.33572944	4842907.167
Ge	72	1	He	98.67226098	499788.520
Ge	72	2	H2	98.33359958	1677519.417
In	115	1	He	100.1005174	5919301.387
Tb	159	1	He	101.1003355	13954329.373
Ir	193	1	He	98.29559381	7109292.813

Sample Name	CCV
Sample Type	CCV
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	065_CCV.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 17:59:14
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.773147	0.5	38255.223
Be	9	2	H2	80.653743	1.0	38035.747
B	11	2	H2	79.055704	1.2	35715.350
Na	23	1	He	992.808108	0.2	1085026.155
Mg	24	1	He	989.332260	0.6	602356.965
Al	27	1	He	1002.468213	0.4	298584.360
Si	28	2	H2	498.966505	0.4	1729204.957
K	39	1	He	1002.754700	0.3	907098.850
Ca	43	1	He	1009.514517	1.4	2483.785
Ti	47	1	He	80.204145	0.9	21788.070
V	51	1	He	80.322569	0.3	625366.820
Cr	52	1	He	81.637261	0.0	755333.810
Mn	55	1	He	80.227475	0.1	533794.035
Fe	56	1	He	498.138173	0.1	4389233.500
Co	59	1	He	82.459881	0.8	1216027.440
Ni	60	1	He	83.152096	0.0	309513.580
Cu	63	1	He	83.120332	0.1	851161.065
Zn	66	1	He	81.445967	0.3	188962.090
As	75	1	He	79.794428	0.4	164074.985
Se	78	2	H2	80.676271	0.5	73191.530
Sr	88	1	He	80.953649	0.1	999006.000
Mo	95	1	He	76.834450	0.6	524184.395
Pd	105	1	He	82.025355	0.7	839521.745
Ag	107	1	He	41.660887	2.5	876646.355
Cd	111	1	He	79.851026	0.2	321579.130
Sn	118	1	He	76.910824	0.4	776585.845
Sb	121	1	He	77.987417	0.7	1171187.560
Ba	138	1	He	77.860292	0.9	2596768.945
Pt	195	1	He	81.840435	1.8	1111818.375
Hg	202	1	He	3.890408	1.6	25878.055
Tl	205	1	He	42.369959	1.5	2081050.045
Pb	208	1	He	82.658517	1.3	5455784.060
Bi	209	1	He	79.571804	0.5	4545173.060
Th	232	1	He	76.311737	1.6	5330280.550
U	238	1	He	78.635265	1.5	5253563.670

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.69083893	601834.000
Sc	45	2	H2	96.63040874	4758922.333
Ge	72	1	He	99.04906323	501697.075
Ge	72	2	H2	96.26974610	1642311.163
In	115	1	He	100.3548656	5934341.910
Tb	159	1	He	99.99392772	13801617.920
Ir	193	1	He	98.82611378	7147663.015

Sample Name	CCB
Sample Type	CCB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	066_CCB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 18:02:54
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.079231	14.5	103.500
Be	9	2	H2	0.050573	9.0	34.833
B	11	2	H2	-1.145405		2154.820
Na	23	1	He	0.400911	73.5	11579.573
Mg	24	1	He	-0.451345		1175.060
Al	27	1	He	0.706465	32.4	278.333
Si	28	2	H2	-0.009112		13728.380
K	39	1	He	-0.214351		72116.867
Ca	43	1	He	-0.758657		16.033
Ti	47	1	He	0.042629	30.6	12.333
V	51	1	He	0.070126	127.1	12.357
Cr	52	1	He	0.034724	25.6	2882.290
Mn	55	1	He	0.026244	51.7	486.677
Fe	56	1	He	0.365562	27.7	13821.223
Co	59	1	He	0.042867	36.9	669.353
Ni	60	1	He	0.033193	46.8	324.673
Cu	63	1	He	0.040765	28.9	610.017
Zn	66	1	He	0.048396	64.2	277.337
As	75	1	He	0.032979	33.2	250.667
Se	78	2	H2	0.018810	36.9	48.000
Sr	88	1	He	0.043956	34.2	666.690
Mo	95	1	He	0.041291	23.3	294.003
Pd	105	1	He	0.024573	22.2	466.677
Ag	107	1	He	0.154940	23.0	3315.430
Cd	111	1	He	0.040242	23.7	172.613
Sn	118	1	He	0.041212	42.3	478.347
Sb	121	1	He	0.031853	29.5	528.350
Ba	138	1	He	0.034122	34.0	1240.067
Pt	195	1	He	0.037704	33.8	672.020
Hg	202	1	He	0.031073	4.3	303.000
Tl	205	1	He	0.065292	20.6	3510.500
Pb	208	1	He	0.042049	25.1	4905.377
Bi	209	1	He	0.036258	31.0	3850.650
Th	232	1	He	0.048614	19.4	3890.623
U	238	1	He	0.034904	29.1	2790.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.98160014	591304.067
Sc	45	2	H2	96.74805989	4764716.500
Ge	72	1	He	97.22275758	492446.587
Ge	72	2	H2	96.58086630	1647618.710
In	115	1	He	99.16740649	5864123.203
Tb	159	1	He	99.26055131	13700393.963
Ir	193	1	He	98.97187813	7158205.517

Sample Name	4305856_B69911Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	067SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 18:06:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.065506	21.8	97.500
Be	9	2	H2	0.048569	25.3	34.000
B	11	2	H2	-1.700355		1928.960
Na	23	1	He	8.232889	6.0	20006.800
Mg	24	1	He	2.210986	2.6	2778.613
Al	27	1	He	4.793208	5.8	1482.077
Si	28	2	H2	0.487947	9.7	15494.070
K	39	1	He	3.087454	29.2	75211.960
Ca	43	1	He	5.288630	27.3	30.717
Ti	47	1	He	0.087099	20.1	24.333
V	51	1	He	0.018404	352.6	-385.263
Cr	52	1	He	0.991916	1.2	11615.283
Mn	55	1	He	0.126313	5.5	1146.717
Fe	56	1	He	7.519512	0.7	76006.247
Co	59	1	He	0.022968	5.2	380.677
Ni	60	1	He	0.035782	40.5	333.340
Cu	63	1	He	0.068242	10.1	884.027
Zn	66	1	He	0.679632	8.3	1709.440
As	75	1	He	0.024919	20.4	233.833
Se	78	2	H2	0.014403	60.2	44.000
Sr	88	1	He	0.037584	22.6	588.353
Mo	95	1	He	0.039772	3.8	284.667
Pd	105	1	He	0.000784	375.0	226.670
Ag	107	1	He	0.040896	3.4	950.040
Cd	111	1	He	0.025499	3.4	114.283
Sn	118	1	He	0.033190	44.1	400.027
Sb	121	1	He	0.025360	2.7	433.343
Ba	138	1	He	0.027776	2.9	1035.050
Pt	195	1	He	0.007155	41.2	262.667
Hg	202	1	He	0.014725	9.3	196.333
Tl	205	1	He	0.030403	3.6	1821.810
Pb	208	1	He	0.020479	10.9	3511.863
Bi	209	1	He	0.015905	12.3	2707.000
Th	232	1	He	0.014302	10.5	1503.440
U	238	1	He	0.003726	16.2	713.363

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.49493990	594466.547
Sc	45	2	H2	97.07820733	4780975.833
Ge	72	1	He	96.97260969	491179.553
Ge	72	2	H2	96.66812241	1649107.253
In	115	1	He	99.38556935	5877023.953
Tb	159	1	He	99.66669279	13756451.463
Ir	193	1	He	99.53343547	7198820.517

Sample Name	4305857_B69911Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	068SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 18:10:14
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	110.686786	0.4	50281.153
Be	9	2	H2	108.053050	0.2	50105.187
B	11	2	H2	105.694031	0.1	46083.580
Na	23	1	He	2166.239880	1.6	2288059.030
Mg	24	1	He	2146.582742	1.5	1268603.210
Al	27	1	He	2141.418344	0.6	619862.540
Si	28	2	H2	541.267828	0.2	1843383.417
K	39	1	He	2169.367923	0.9	1824271.900
Ca	43	1	He	2218.957393	0.9	5285.043
Ti	47	1	He	107.390498	0.2	28357.863
V	51	1	He	107.974284	0.7	817304.337
Cr	52	1	He	110.939858	0.9	996784.210
Mn	55	1	He	109.365725	1.0	707161.293
Fe	56	1	He	2179.083611	1.3	18626981.333
Co	59	1	He	111.895381	1.3	1609007.083
Ni	60	1	He	112.761408	0.7	409225.793
Cu	63	1	He	111.696981	0.2	1115324.293
Zn	66	1	He	110.969168	0.6	250999.547
As	75	1	He	107.678182	0.6	215843.177
Se	78	2	H2	107.990818	0.8	97316.597
Sr	88	1	He	109.269509	0.8	1314879.720
Mo	95	1	He	105.775650	0.5	702558.460
Pd	105	1	He	22.071380	1.2	220089.580
Ag	107	1	He	54.730162	1.8	1121318.787
Cd	111	1	He	108.152611	0.4	424038.760
Sn	118	1	He	103.842617	0.2	1020745.430
Sb	121	1	He	106.290212	0.4	1554052.633
Ba	138	1	He	106.667171	0.7	3463579.740
Pt	195	1	He	21.823307	0.8	294436.333
Hg	202	1	He	0.012386	27.9	180.000
Tl	205	1	He	112.931749	1.1	5505633.043
Pb	208	1	He	110.796277	0.1	7259058.797
Bi	209	1	He	108.834951	1.1	6105082.407
Th	232	1	He	109.030438	1.1	7479981.763
U	238	1	He	107.043550	1.8	7023450.937

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.95661092	584989.520
Sc	45	2	H2	95.01768269	4679497.667
Ge	72	1	He	96.59061673	489244.707
Ge	72	2	H2	95.63588773	1631497.873
In	115	1	He	97.70067943	5777390.390
Tb	159	1	He	99.25944643	13700241.463
Ir	193	1	He	97.07012665	7020660.103

Sample Name	10606019001_B69911Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	069SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 18:13:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.606506	3.2	808.853
Be	9	2	H2	0.211592	3.7	110.833
B	11	2	H2	5.041101	0.8	4746.580
Na	23	1	He	3186.629456	0.3	3297984.847
Mg	24	1	He	1743.469781	0.1	1011416.287
Al	27	1	He	1733.972620	0.2	492560.987
Si	28	2	H2	11450.72733	0.1	39425432.000
K	39	1	He	943.098079	0.6	817942.880
Ca	43	1	He	6932.917149	0.9	16167.080
Ti	47	1	He	51.267825	2.4	13284.933
V	51	1	He	2.922219	3.0	21210.597
Cr	52	1	He	1.228131	1.0	13294.043
Mn	55	1	He	29.378130	1.2	186638.163
Fe	56	1	He	1278.595566	0.0	10729897.333
Co	59	1	He	0.566545	0.9	8048.230
Ni	60	1	He	1.239802	1.5	4614.747
Cu	63	1	He	2.364688	1.0	23378.077
Zn	66	1	He	10.900134	0.7	24358.373
As	75	1	He	1.671195	1.4	3466.587
Se	78	2	H2	0.209972	5.5	219.667
Sr	88	1	He	48.725936	0.4	575869.067
Mo	95	1	He	0.142862	1.3	964.707
Pd	105	1	He	0.033451	13.6	548.347
Ag	107	1	He	0.254542	12.4	5311.057
Cd	111	1	He	0.080960	5.7	329.827
Sn	118	1	He	0.125425	8.7	1300.073
Sb	121	1	He	0.130840	1.4	1968.487
Ba	138	1	He	20.924083	0.5	679599.027
Pt	195	1	He	0.014811	3.2	364.677
Hg	202	1	He	0.160062	6.3	1151.720
Tl	205	1	He	0.066363	11.9	3568.850
Pb	208	1	He	0.572950	1.7	39691.223
Bi	209	1	He	0.036089	6.0	3790.600
Th	232	1	He	0.194780	3.1	13919.323
U	238	1	He	0.096404	2.5	6813.500

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.18162797	574054.563
Sc	45	2	H2	96.73567040	4764106.333
Ge	72	1	He	94.85054139	480430.987
Ge	72	2	H2	95.59142563	1630739.373
In	115	1	He	97.71400632	5778178.457
Tb	159	1	He	99.28166472	13703308.133
Ir	193	1	He	97.57561527	7057219.897

Sample Name	4308646_B69911Dx5
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	070SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 18:17:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.372069	2.1	236.833
Be	9	2	H2	0.066162	21.0	41.833
B	11	2	H2	-0.613990		2358.187
Na	23	1	He	644.350492	0.2	684642.800
Mg	24	1	He	353.598807	0.3	209036.713
Al	27	1	He	353.578343	0.8	101857.063
Si	28	2	H2	2346.326828	0.7	8024256.667
K	39	1	He	187.986892	1.1	222192.450
Ca	43	1	He	1425.138094	1.1	3382.257
Ti	47	1	He	10.474926	0.7	2751.940
V	51	1	He	0.566838	5.2	3755.810
Cr	52	1	He	0.262190	4.9	4864.157
Mn	55	1	He	5.965721	0.7	38660.187
Fe	56	1	He	267.030256	5.1	2279417.167
Co	59	1	He	0.123894	2.1	1819.453
Ni	60	1	He	0.271567	2.5	1180.050
Cu	63	1	He	0.484268	1.9	5002.877
Zn	66	1	He	2.614159	2.6	6038.610
As	75	1	He	0.335151	1.8	849.030
Se	78	2	H2	0.048974	14.9	75.000
Sr	88	1	He	9.675875	1.7	115840.653
Mo	95	1	He	0.035920	7.6	258.000
Pd	105	1	He	0.008918	64.9	308.340
Ag	107	1	He	0.060410	12.9	1353.413
Cd	111	1	He	0.021458	15.7	97.953
Sn	118	1	He	0.039492	11.5	461.677
Sb	121	1	He	0.033069	11.5	546.680
Ba	138	1	He	4.103979	0.7	135350.373
Pt	195	1	He	0.003482	36.6	214.000
Hg	202	1	He	0.036372	8.2	341.340
Tl	205	1	He	0.017517	14.6	1198.397
Pb	208	1	He	0.125885	3.8	10508.303
Bi	209	1	He	0.012276	39.4	2473.620
Th	232	1	He	0.044894	9.1	3620.567
U	238	1	He	0.022090	5.3	1930.160

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.44187086	581818.413
Sc	45	2	H2	95.95895621	4725854.167
Ge	72	1	He	96.00464640	486276.687
Ge	72	2	H2	95.97466099	1637277.167
In	115	1	He	99.15092967	5863148.870
Tb	159	1	He	100.2803788	13841155.207
Ir	193	1	He	98.55313840	7127919.893

Sample Name	4305858_B69911Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	071SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 18:21:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.514407	0.7	49707.757
Be	9	2	H2	102.768780	0.3	48955.110
B	11	2	H2	105.833407	0.6	47398.957
Na	23	1	He	5119.088392	0.5	5358638.047
Mg	24	1	He	3746.335346	0.6	2199314.393
Al	27	1	He	4169.602960	0.7	1199397.960
Si	28	2	H2	12346.36411	1.2	42890900.000
K	39	1	He	2985.261054	0.6	2468121.473
Ca	43	1	He	8769.728572	0.8	20706.100
Ti	47	1	He	169.033721	0.9	44357.220
V	51	1	He	107.415385	0.7	808029.390
Cr	52	1	He	108.180516	0.2	966040.667
Mn	55	1	He	134.403801	0.1	863615.957
Fe	56	1	He	3439.278213	0.6	29211364.000
Co	59	1	He	108.379113	0.7	1552055.663
Ni	60	1	He	109.381322	0.2	395327.323
Cu	63	1	He	109.952381	0.1	1093355.540
Zn	66	1	He	116.115146	0.5	261545.260
As	75	1	He	105.226658	0.3	210061.870
Se	78	2	H2	104.823451	0.5	95272.763
Sr	88	1	He	153.903576	0.2	1844291.277
Mo	95	1	He	101.917638	0.9	677481.500
Pd	105	1	He	20.910235	1.2	208689.033
Ag	107	1	He	52.756610	0.2	1081848.630
Cd	111	1	He	104.151921	1.0	408678.410
Sn	118	1	He	101.176054	0.7	995348.397
Sb	121	1	He	101.704431	0.4	1488250.240
Ba	138	1	He	124.395369	1.1	4042443.480
Pt	195	1	He	20.787693	0.1	284915.623
Hg	202	1	He	0.171999	3.6	1249.397
Tl	205	1	He	108.405383	0.7	5368628.253
Pb	208	1	He	106.569456	0.5	7092466.043
Bi	209	1	He	103.686853	0.4	5909841.787
Th	232	1	He	103.410915	0.5	7208341.767
U	238	1	He	103.526882	0.7	6902282.817

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.36690627	581356.587
Sc	45	2	H2	97.60932115	4807132.500
Ge	72	1	He	96.18930741	487212.020
Ge	72	2	H2	96.45986315	1645554.460
In	115	1	He	97.78399144	5782316.927
Tb	159	1	He	100.8287202	13916839.790
Ir	193	1	He	98.62159037	7132870.727

Sample Name	4305859_B69911Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	072SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 18:24:52
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	103.414541	0.7	48309.113
Be	9	2	H2	100.375214	0.9	47859.967
B	11	2	H2	104.190335	0.5	46749.630
Na	23	1	He	4869.697919	0.2	5131398.780
Mg	24	1	He	3580.615904	0.3	2115790.337
Al	27	1	He	4032.489760	0.4	1167526.917
Si	28	2	H2	11819.13310	1.4	41097913.333
K	39	1	He	2881.927900	0.1	2400689.180
Ca	43	1	He	8311.281106	0.7	19752.667
Ti	47	1	He	173.668342	1.1	45872.560
V	51	1	He	104.139971	0.4	788478.967
Cr	52	1	He	104.739554	0.7	941476.210
Mn	55	1	He	129.119455	0.3	835076.520
Fe	56	1	He	3325.268820	0.5	28427726.000
Co	59	1	He	105.449371	0.6	1511349.040
Ni	60	1	He	106.922784	0.5	386762.747
Cu	63	1	He	107.650905	0.7	1071345.960
Zn	66	1	He	114.550691	0.3	258239.373
As	75	1	He	102.655319	0.5	205102.797
Se	78	2	H2	101.547223	0.2	91804.480
Sr	88	1	He	148.069599	0.6	1775873.673
Mo	95	1	He	99.279969	1.4	657420.397
Pd	105	1	He	20.383702	1.2	202665.077
Ag	107	1	He	51.907324	1.2	1060303.813
Cd	111	1	He	102.140371	0.9	399269.560
Sn	118	1	He	99.228345	1.1	972484.830
Sb	121	1	He	99.033739	1.2	1443599.043
Ba	138	1	He	121.605854	1.3	3936712.443
Pt	195	1	He	20.309703	0.5	276081.197
Hg	202	1	He	0.273052	2.7	1908.803
Tl	205	1	He	105.810948	0.4	5197310.547
Pb	208	1	He	104.210074	0.4	6878648.757
Bi	209	1	He	102.866689	1.1	5758240.747
Th	232	1	He	103.787093	1.3	7105050.933
U	238	1	He	102.073736	1.3	6683658.237

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.98192285	585145.457
Sc	45	2	H2	97.70497510	4811843.333
Ge	72	1	He	96.26931973	487617.293
Ge	72	2	H2	95.94202516	1636720.417
In	115	1	He	97.41623020	5760569.890
Tb	159	1	He	100.0015969	13802676.460
Ir	193	1	He	96.86447693	7005786.353

Sample Name	10606019002_B69911Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	073SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 18:28:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.220378	2.0	169.833
Be	9	2	H2	0.168988	1.5	91.333
B	11	2	H2	-1.686921		1940.790
Na	23	1	He	62.016055	0.6	77159.783
Mg	24	1	He	5.066151	5.8	4474.043
Al	27	1	He	5.122037	3.9	1572.420
Si	28	2	H2	29.720442	0.5	116836.637
K	39	1	He	7.389970	18.2	78438.793
Ca	43	1	He	19.441969	13.2	64.617
Ti	47	1	He	0.149818	4.9	41.000
V	51	1	He	0.022997	15.7	-347.847
Cr	52	1	He	0.523669	0.2	7322.517
Mn	55	1	He	0.390220	2.8	2868.957
Fe	56	1	He	4.196834	1.9	46976.390
Co	59	1	He	0.094779	2.5	1424.740
Ni	60	1	He	0.368330	7.7	1552.087
Cu	63	1	He	1.506020	1.1	15375.457
Zn	66	1	He	8.129343	1.5	18714.723
As	75	1	He	0.072309	6.8	330.833
Se	78	2	H2	0.061849	15.4	88.000
Sr	88	1	He	0.142402	9.7	1865.137
Mo	95	1	He	0.086981	7.5	605.350
Pd	105	1	He	0.003998	74.7	260.007
Ag	107	1	He	0.186946	20.1	4007.293
Cd	111	1	He	0.095490	3.0	394.567
Sn	118	1	He	0.125196	4.0	1323.410
Sb	121	1	He	0.070419	8.2	1106.720
Ba	138	1	He	0.178720	2.8	6038.040
Pt	195	1	He	0.015657	7.7	379.343
Hg	202	1	He	0.006917	39.7	145.333
Tl	205	1	He	0.100681	6.7	5287.767
Pb	208	1	He	1.038523	2.0	70790.257
Bi	209	1	He	0.079947	7.4	6374.993
Th	232	1	He	0.066926	11.4	5196.090
U	238	1	He	0.039787	4.1	3133.747

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.12195015	592168.707
Sc	45	2	H2	97.38826626	4796245.833
Ge	72	1	He	97.48618974	493780.907
Ge	72	2	H2	97.50997841	1663468.873
In	115	1	He	99.66463028	5893525.823
Tb	159	1	He	100.1325699	13820753.957
Ir	193	1	He	99.32434068	7183697.600

Sample Name	CCV
Sample Type	CCV
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	074_CCV.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 18:32:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.833053	0.6	38359.990
Be	9	2	H2	80.682054	0.5	38126.643
B	11	2	H2	77.912228	1.4	35308.407
Na	23	1	He	978.850611	0.6	1072402.823
Mg	24	1	He	978.259283	0.5	596983.703
Al	27	1	He	985.331721	1.1	294146.530
Si	28	2	H2	499.805490	0.5	1735571.040
K	39	1	He	982.713711	0.7	892502.073
Ca	43	1	He	1002.305317	2.4	2471.583
Ti	47	1	He	78.430336	1.1	21356.113
V	51	1	He	78.363096	1.2	611517.157
Cr	52	1	He	80.991618	1.1	751098.230
Mn	55	1	He	79.488093	0.7	530088.500
Fe	56	1	He	493.745338	0.5	4360660.000
Co	59	1	He	80.961407	0.8	1202098.917
Ni	60	1	He	81.880177	1.4	306866.510
Cu	63	1	He	82.249899	1.2	848016.147
Zn	66	1	He	80.424870	1.5	187868.017
As	75	1	He	78.514060	0.7	162553.740
Se	78	2	H2	81.377868	0.2	74296.477
Sr	88	1	He	79.520632	1.1	988047.697
Mo	95	1	He	76.184150	0.9	521820.073
Pd	105	1	He	81.223632	1.1	834630.870
Ag	107	1	He	41.571329	1.5	878356.133
Cd	111	1	He	79.242633	0.9	320392.960
Sn	118	1	He	75.862775	0.9	769012.880
Sb	121	1	He	76.934643	1.1	1159995.793
Ba	138	1	He	77.131188	1.2	2582728.607
Pt	195	1	He	81.252906	0.4	1110109.333
Hg	202	1	He	3.832538	0.9	25638.593
Tl	205	1	He	41.749765	0.6	2062201.847
Pb	208	1	He	81.757245	0.8	5426781.867
Bi	209	1	He	79.120983	1.6	4546170.350
Th	232	1	He	76.016880	0.6	5341593.253
U	238	1	He	78.167801	0.5	5253932.217

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.91630405	603223.000
Sc	45	2	H2	96.82348658	4768431.167
Ge	72	1	He	99.73232181	505157.873
Ge	72	2	H2	96.88307844	1652774.290
In	115	1	He	100.7546230	5957980.993
Tb	159	1	He	100.5537087	13878881.457
Ir	193	1	He	99.41591151	7190320.520

Sample Name	CCB
Sample Type	CCB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	075_CCB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 18:35:51
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.112289	14.0	118.500
Be	9	2	H2	0.066728	17.4	42.333
B	11	2	H2	-1.643776		1941.293
Na	23	1	He	0.131809	228.1	11155.903
Mg	24	1	He	-0.820190		943.373
Al	27	1	He	0.725011	70.8	280.337
Si	28	2	H2	0.319503	248.0	14835.577
K	39	1	He	-1.408365		70271.140
Ca	43	1	He	-0.670380		16.050
Ti	47	1	He	0.049533	86.3	14.000
V	51	1	He	0.074310	98.0	46.300
Cr	52	1	He	0.045595	94.4	2944.310
Mn	55	1	He	0.035946	110.7	543.350
Fe	56	1	He	0.409531	64.8	14027.573
Co	59	1	He	0.054407	76.2	829.370
Ni	60	1	He	0.044016	79.7	361.337
Cu	63	1	He	0.045840	93.3	655.357
Zn	66	1	He	0.050487	73.9	280.003
As	75	1	He	0.038883	107.5	260.500
Se	78	2	H2	0.001750	151.2	32.667
Sr	88	1	He	0.046085	79.0	686.697
Mo	95	1	He	0.053614	79.5	374.673
Pd	105	1	He	0.033109	42.4	550.017
Ag	107	1	He	0.187223	26.5	3968.957
Cd	111	1	He	0.047526	79.1	200.270
Sn	118	1	He	0.054608	78.4	608.357
Sb	121	1	He	0.047227	75.5	751.700
Ba	138	1	He	0.042129	80.2	1495.127
Pt	195	1	He	0.043001	85.6	744.697
Hg	202	1	He	0.028554	23.4	286.333
Tl	205	1	He	0.073433	34.1	3910.657
Pb	208	1	He	0.045232	83.6	5117.150
Bi	209	1	He	0.041557	84.3	4154.197
Th	232	1	He	0.059064	68.5	4622.777
U	238	1	He	0.040219	90.4	3148.927

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.80689926	584067.207
Sc	45	2	H2	96.51115349	4753049.167
Ge	72	1	He	96.51189099	488845.950
Ge	72	2	H2	97.09887506	1656455.667
In	115	1	He	98.71541673	5837395.433
Tb	159	1	He	99.21355788	13693907.717
Ir	193	1	He	98.89169394	7152406.143

Sample Name	4308596_B69966Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	076SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 18:39:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.133689	6.1	128.000
Be	9	2	H2	0.069445	19.3	43.500
B	11	2	H2	-2.234278		1689.930
Na	23	1	He	5.200762	6.4	16183.850
Mg	24	1	He	4.008278	7.7	3722.163
Al	27	1	He	3.013581	4.7	925.030
Si	28	2	H2	1.317994	49.9	18209.910
K	39	1	He	1.878680	74.0	71632.587
Ca	43	1	He	10.236136	15.2	41.167
Ti	47	1	He	0.035064	58.4	10.000
V	51	1	He	0.024921	76.6	-323.080
Cr	52	1	He	0.115072	7.6	3503.097
Mn	55	1	He	0.067111	4.7	731.353
Fe	56	1	He	0.844994	11.8	17427.977
Co	59	1	He	0.019312	43.7	319.337
Ni	60	1	He	0.029102	33.9	301.337
Cu	63	1	He	0.042049	15.0	606.013
Zn	66	1	He	1.111108	2.9	2622.910
As	75	1	He	0.027068	15.3	232.333
Se	78	2	H2	0.015290	49.3	44.667
Sr	88	1	He	0.038255	12.4	581.683
Mo	95	1	He	0.026697	23.9	192.667
Pd	105	1	He	0.019473	55.6	408.347
Ag	107	1	He	0.078904	17.6	1710.120
Cd	111	1	He	0.011751	47.7	58.300
Sn	118	1	He	0.851755	1.6	8432.590
Sb	121	1	He	0.015542	50.5	281.673
Ba	138	1	He	0.042536	13.5	1495.097
Pt	195	1	He	0.009491	69.5	290.670
Hg	202	1	He	0.015508	10.6	199.333
Tl	205	1	He	0.026033	26.3	1590.117
Pb	208	1	He	0.024645	17.3	3745.230
Bi	209	1	He	0.015975	54.5	2680.323
Th	232	1	He	0.026345	21.4	2325.233
U	238	1	He	0.012426	52.5	1283.417

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.13302933	573755.167
Sc	45	2	H2	96.24539014	4739960.667
Ge	72	1	He	94.61294136	479227.510
Ge	72	2	H2	96.38206161	1644227.207
In	115	1	He	97.63064595	5773249.060
Tb	159	1	He	98.64494833	13615425.633
Ir	193	1	He	98.58923671	7130530.727

Sample Name	4308597_B69966Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	077SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 18:43:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	50.390175	0.8	22795.087
Be	9	2	H2	49.152459	0.9	22667.750
B	11	2	H2	46.791588	2.1	21718.730
Na	23	1	He	906.408956	2.0	950860.477
Mg	24	1	He	896.013078	2.0	523244.433
Al	27	1	He	890.925241	1.7	254459.110
Si	28	2	H2	242.950166	1.3	830079.437
K	39	1	He	909.487267	1.8	795493.373
Ca	43	1	He	936.734574	1.7	2211.050
Ti	47	1	He	44.135676	3.3	11498.827
V	51	1	He	44.773808	2.4	334050.747
Cr	52	1	He	46.412897	2.4	412874.333
Mn	55	1	He	45.653838	2.8	291420.447
Fe	56	1	He	903.998184	2.6	7629915.833
Co	59	1	He	46.919971	2.1	665601.000
Ni	60	1	He	47.330411	2.6	169561.740
Cu	63	1	He	46.930754	2.3	462375.237
Zn	66	1	He	46.213008	2.4	103211.997
As	75	1	He	44.994115	2.3	89077.190
Se	78	2	H2	49.153834	0.6	44299.690
Sr	88	1	He	46.044279	2.0	546612.870
Mo	95	1	He	44.175465	2.8	291238.000
Pd	105	1	He	9.436716	3.1	93515.680
Ag	107	1	He	23.996992	3.6	488083.497
Cd	111	1	He	44.963915	3.0	174988.677
Sn	118	1	He	44.227268	2.7	431546.153
Sb	121	1	He	44.156830	2.2	640825.093
Ba	138	1	He	44.641817	3.2	1438877.533
Pt	195	1	He	9.148533	2.5	122953.023
Hg	202	1	He	3.904114	3.3	25661.667
Tl	205	1	He	47.926205	2.6	2325867.467
Pb	208	1	He	46.296421	2.6	3020337.353
Bi	209	1	He	45.023283	2.6	2532417.200
Th	232	1	He	44.409973	3.1	3054129.953
U	238	1	He	44.441516	2.6	2923163.187

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.66969637	577061.357
Sc	45	2	H2	94.47224363	4652635.500
Ge	72	1	He	95.27062742	482558.780
Ge	72	2	H2	95.61553247	1631150.623
In	115	1	He	96.96238453	5733732.373
Tb	159	1	He	98.77732511	13633696.880
Ir	193	1	He	97.26876526	7035026.770

Sample Name	10606046001_B69966Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	078SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 18:46:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.235495	2.9	1939.793
Be	9	2	H2	0.182962	5.1	93.333
B	11	2	H2	-1.639208		1867.780
Na	23	1	He	176.671483	2.2	192502.407
Mg	24	1	He	1949.457904	1.7	1127444.723
Al	27	1	He	3473.608422	1.6	983786.480
Si	28	2	H2	471.931059	2.4	1570577.833
K	39	1	He	501.935145	1.7	466800.307
Ca	43	1	He	1790.422649	1.5	4176.080
Ti	47	1	He	542.636402	2.5	140187.963
V	51	1	He	23.114698	2.1	170791.637
Cr	52	1	He	6.148597	1.4	56404.513
Mn	55	1	He	117.966611	2.4	746285.397
Fe	56	1	He	8200.868856	2.5	68559624.000
Co	59	1	He	3.341103	1.5	46626.153
Ni	60	1	He	6.968899	0.4	24704.207
Cu	63	1	He	5.786540	1.3	56201.907
Zn	66	1	He	24.275610	1.0	53361.497
As	75	1	He	1.602146	1.7	3288.377
Se	78	2	H2	0.084755	4.2	104.333
Sr	88	1	He	13.496176	2.2	157573.737
Mo	95	1	He	0.145394	2.8	970.707
Pd	105	1	He	0.021887	17.0	428.343
Ag	107	1	He	0.191754	28.7	3982.293
Cd	111	1	He	0.066975	9.2	272.160
Sn	118	1	He	1.101947	2.3	10782.570
Sb	121	1	He	0.045682	8.4	715.027
Ba	138	1	He	40.369587	2.5	1296840.733
Pt	195	1	He	0.002582	32.2	200.667
Hg	202	1	He	0.046468	13.7	406.343
Tl	205	1	He	0.057381	3.6	3145.407
Pb	208	1	He	2.740380	2.5	182537.667
Bi	209	1	He	0.033155	27.4	3647.250
Th	232	1	He	1.319199	2.0	92049.637
U	238	1	He	0.221334	3.7	15150.563

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.92251460	572458.270
Sc	45	2	H2	92.75874674	4568248.000
Ge	72	1	He	93.64519064	474325.720
Ge	72	2	H2	93.31661194	1591932.250
In	115	1	He	96.66096259	5715908.217
Tb	159	1	He	99.75084748	13768066.877
Ir	193	1	He	98.19878915	7102291.353

Sample Name	4310748_B69966Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	079SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 18:50:29
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.000289	0.4	36474.193
Be	9	2	H2	75.563977	1.2	34296.527
B	11	2	H2	75.258685	1.0	32844.037
Na	23	1	He	1954.565330	2.3	1985081.893
Mg	24	1	He	3789.105676	2.6	2151019.757
Al	27	1	He	5347.997846	2.7	1487592.540
Si	28	2	H2	1446.864420	1.1	4800533.000
K	39	1	He	2275.490625	2.7	1835564.970
Ca	43	1	He	3638.239791	2.4	8316.653
Ti	47	1	He	643.350641	3.2	163253.367
V	51	1	He	95.682671	2.6	695963.030
Cr	52	1	He	79.918616	2.8	690754.603
Mn	55	1	He	196.450636	3.1	1220502.790
Fe	56	1	He	9428.318062	3.5	77418632.000
Co	59	1	He	77.166068	3.0	1067368.290
Ni	60	1	He	82.405451	3.2	287712.757
Cu	63	1	He	80.690149	3.1	775040.023
Zn	66	1	He	99.179336	2.9	215799.290
As	75	1	He	73.735773	2.7	142227.117
Se	78	2	H2	76.934216	0.4	67902.847
Sr	88	1	He	87.026661	3.1	1007338.007
Mo	95	1	He	73.391845	2.9	470653.157
Pd	105	1	He	75.285521	2.3	724318.423
Ag	107	1	He	15.137653	4.7	299535.287
Cd	111	1	He	72.984627	2.9	276286.163
Sn	118	1	He	74.515647	3.1	707221.423
Sb	121	1	He	72.489585	2.7	1023316.363
Ba	138	1	He	115.155887	2.6	3610193.070
Pt	195	1	He	73.788784	2.6	987484.083
Hg	202	1	He	0.022598	9.0	245.333
Tl	205	1	He	37.155344	2.3	1797657.110
Pb	208	1	He	76.639959	2.7	4983077.973
Bi	209	1	He	71.443369	2.5	3997349.313
Th	232	1	He	11.307304	4.6	774137.383
U	238	1	He	71.826997	3.6	4700772.533

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.25731536	562199.647
Sc	45	2	H2	92.99660410	4579962.167
Ge	72	1	He	92.91131381	470608.533
Ge	72	2	H2	93.65557102	1597714.713
In	115	1	He	94.32107184	5577542.113
Tb	159	1	He	98.47732116	13592288.967
Ir	193	1	He	96.79470279	7000739.893

Sample Name	4310749_B69966Dx5
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	080SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 18:54:08
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.827729	4.3	439.510
Be	9	2	H2	0.097728	16.5	55.833
B	11	2	H2	-2.104172		1715.097
Na	23	1	He	34.658598	2.1	45775.000
Mg	24	1	He	373.293352	1.0	213869.423
Al	27	1	He	667.537229	0.7	186360.250
Si	28	2	H2	87.720831	1.9	308899.010
K	39	1	He	96.005666	1.7	143747.410
Ca	43	1	He	347.765356	3.8	812.790
Ti	47	1	He	102.483836	1.2	26094.383
V	51	1	He	4.521248	1.2	32522.717
Cr	52	1	He	1.208161	0.5	12889.670
Mn	55	1	He	22.483789	0.8	140429.397
Fe	56	1	He	1570.592208	0.4	12948240.667
Co	59	1	He	0.636829	1.1	8907.403
Ni	60	1	He	1.335546	3.9	4883.500
Cu	63	1	He	1.110681	1.1	10922.117
Zn	66	1	He	5.010800	0.7	11120.277
As	75	1	He	0.307202	4.2	772.520
Se	78	2	H2	0.023868	8.4	51.667
Sr	88	1	He	2.526676	1.2	29545.553
Mo	95	1	He	0.039892	2.0	276.000
Pd	105	1	He	0.021086	18.7	418.343
Ag	107	1	He	0.143737	33.9	2983.700
Cd	111	1	He	0.023738	15.4	103.617
Sn	118	1	He	0.213657	2.9	2131.847
Sb	121	1	He	0.014651	21.0	265.003
Ba	138	1	He	7.567668	1.6	241837.273
Pt	195	1	He	0.004346	75.4	220.667
Hg	202	1	He	0.014824	12.4	194.333
Tl	205	1	He	0.071120	24.3	3748.913
Pb	208	1	He	0.540186	0.8	37160.220
Bi	209	1	He	0.012928	46.9	2496.957
Th	232	1	He	0.246867	3.0	17623.663
U	238	1	He	0.046944	2.7	3573.863

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.55903768	564058.437
Sc	45	2	H2	94.65184565	4661480.667
Ge	72	1	He	93.45569001	473365.873
Ge	72	2	H2	94.87555027	1618526.917
In	115	1	He	96.10335731	5682935.023
Tb	159	1	He	98.25936174	13562205.213
Ir	193	1	He	98.23821150	7105142.600

Sample Name	4308598_B69966Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	081SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 18:57:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	54.796588	1.7	24546.480
Be	9	2	H2	48.881462	0.8	22328.747
B	11	2	H2	46.722911	0.8	21484.553
Na	23	1	He	1156.055058	2.0	1181052.770
Mg	24	1	He	3157.723788	2.3	1796762.367
Al	27	1	He	5174.027016	1.6	1442429.500
Si	28	2	H2	672.796843	0.6	2253383.167
K	39	1	He	1440.872577	1.5	1190178.937
Ca	43	1	He	3045.715285	2.0	6980.380
Ti	47	1	He	621.657105	1.9	158100.417
V	51	1	He	72.488086	2.6	528282.780
Cr	52	1	He	55.616701	2.8	482495.637
Mn	55	1	He	175.779961	2.3	1094516.087
Fe	56	1	He	9768.589507	1.9	80390930.667
Co	59	1	He	52.065077	1.4	723493.187
Ni	60	1	He	56.953286	1.9	199823.133
Cu	63	1	He	55.223066	1.5	532933.643
Zn	66	1	He	73.823624	1.6	161407.530
As	75	1	He	48.557016	1.3	94151.660
Se	78	2	H2	49.092549	0.2	43756.377
Sr	88	1	He	63.206665	1.8	735028.217
Mo	95	1	He	46.058423	2.1	297218.363
Pd	105	1	He	9.841974	2.1	95463.527
Ag	107	1	He	25.114804	3.0	499969.197
Cd	111	1	He	47.261133	1.5	180029.480
Sn	118	1	He	49.513917	2.3	472891.257
Sb	121	1	He	36.873705	1.8	523801.683
Ba	138	1	He	93.663186	1.7	2954737.247
Pt	195	1	He	9.605134	2.2	128015.110
Hg	202	1	He	4.148071	2.2	27031.687
Tl	205	1	He	49.563405	1.6	2385405.223
Pb	208	1	He	70.229502	1.7	4542548.603
Bi	209	1	He	47.445853	1.6	2659961.627
Th	232	1	He	48.758656	1.6	3342158.390
U	238	1	He	46.971497	1.8	3079574.330

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.46431311	563474.877
Sc	45	2	H2	93.57927257	4608657.833
Ge	72	1	He	93.33713645	472765.383
Ge	72	2	H2	94.55843418	1613117.083
In	115	1	He	94.92264870	5613115.503
Tb	159	1	He	97.97302685	13522683.967
Ir	193	1	He	96.96279959	7012897.603

Sample Name	4308599_B69966Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	082SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 19:01:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	49.668200	1.2	22168.327
Be	9	2	H2	44.573027	1.7	20281.213
B	11	2	H2	42.476662	2.3	19684.780
Na	23	1	He	1062.011638	1.5	1083824.203
Mg	24	1	He	2825.423394	1.4	1604868.307
Al	27	1	He	4645.394775	1.2	1292631.293
Si	28	2	H2	601.603669	1.6	2008284.793
K	39	1	He	1299.621809	1.4	1078228.863
Ca	43	1	He	2827.760058	1.3	6470.113
Ti	47	1	He	581.796300	1.9	147686.170
V	51	1	He	64.826879	2.5	471529.013
Cr	52	1	He	49.748104	2.0	431054.647
Mn	55	1	He	155.891832	1.6	968927.440
Fe	56	1	He	8681.211798	1.6	71310805.333
Co	59	1	He	46.169681	1.8	641314.377
Ni	60	1	He	51.027598	2.1	178976.757
Cu	63	1	He	49.101345	2.1	473667.480
Zn	66	1	He	65.545531	2.4	143264.030
As	75	1	He	43.458501	2.7	84245.303
Se	78	2	H2	44.768827	0.9	39624.197
Sr	88	1	He	57.649985	2.7	670109.573
Mo	95	1	He	41.056788	1.5	264822.083
Pd	105	1	He	8.735842	1.9	84719.230
Ag	107	1	He	22.502999	2.2	447782.283
Cd	111	1	He	42.167442	1.4	160555.160
Sn	118	1	He	42.061290	1.5	401532.660
Sb	121	1	He	31.410660	2.0	446005.630
Ba	138	1	He	80.831055	2.1	2548802.200
Pt	195	1	He	8.484626	2.5	113537.663
Hg	202	1	He	3.735922	2.6	24450.057
Tl	205	1	He	44.613514	3.0	2155552.623
Pb	208	1	He	46.026969	2.8	2989426.593
Bi	209	1	He	42.367593	2.5	2375729.237
Th	232	1	He	43.749644	1.7	2999118.913
U	238	1	He	41.989699	1.4	2753280.583

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.28749370	562385.563
Sc	45	2	H2	93.21122904	4590532.167
Ge	72	1	He	93.30399552	472597.520
Ge	72	2	H2	93.89627033	1601820.917
In	115	1	He	94.87575481	5610342.500
Tb	159	1	He	98.36153863	13576308.133
Ir	193	1	He	96.97413144	7013717.187

Sample Name	10606394001_B69966Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	083SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 19:05:08
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.576546	2.0	2112.317
Be	9	2	H2	0.276169	6.6	136.833
B	11	2	H2	-1.457548		1960.460
Na	23	1	He	210.478708	2.0	223279.663
Mg	24	1	He	2140.102601	1.9	1215773.497
Al	27	1	He	5287.802542	1.6	1471219.333
Si	28	2	H2	653.660342	2.7	2192650.083
K	39	1	He	639.268541	2.1	565228.273
Ca	43	1	He	2493.740605	0.9	5707.553
Ti	47	1	He	699.609522	2.1	177567.720
V	51	1	He	30.278654	1.6	219955.303
Cr	52	1	He	8.067502	2.7	71937.283
Mn	55	1	He	198.937409	2.5	1236169.787
Fe	56	1	He	11101.61469	1.9	91178168.000
Co	59	1	He	5.085642	0.6	69866.910
Ni	60	1	He	8.661581	1.9	30189.820
Cu	63	1	He	9.210172	0.9	87976.807
Zn	66	1	He	60.205740	0.9	130087.947
As	75	1	He	1.855541	2.6	3722.813
Se	78	2	H2	0.256339	11.5	256.667
Sr	88	1	He	21.146495	1.1	243051.273
Mo	95	1	He	0.195554	10.2	1279.393
Pd	105	1	He	0.044652	27.8	641.690
Ag	107	1	He	0.233358	26.3	4750.883
Cd	111	1	He	0.293139	4.2	1130.483
Sn	118	1	He	1.039011	6.5	10001.990
Sb	121	1	He	0.099529	11.1	1470.093
Ba	138	1	He	70.646110	2.3	2232600.280
Pt	195	1	He	0.011393	26.2	312.003
Hg	202	1	He	0.071404	5.8	556.677
Tl	205	1	He	0.150063	6.7	7493.840
Pb	208	1	He	4.899851	2.0	316475.463
Bi	209	1	He	0.091584	8.5	6921.960
Th	232	1	He	1.480774	1.9	102630.847
U	238	1	He	0.736222	4.2	49037.560

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.28776370	562387.227
Sc	45	2	H2	93.71135727	4615162.833
Ge	72	1	He	92.21754975	467094.523
Ge	72	2	H2	93.78774040	1599969.453
In	115	1	He	95.09573796	5623350.890
Tb	159	1	He	97.22538516	13419491.050
Ir	193	1	He	97.58723803	7058060.520

Sample Name	10606394002_B69966Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	084SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 19:08:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.504632	8.1	290.500
Be	9	2	H2	0.079281	11.8	46.833
B	11	2	H2	-2.252692		1637.090
Na	23	1	He	220.405883	2.8	232618.603
Mg	24	1	He	149.895107	3.2	86177.427
Al	27	1	He	1277.339389	3.2	354389.033
Si	28	2	H2	313.010446	1.4	1056413.210
K	39	1	He	54.961180	4.9	111097.620
Ca	43	1	He	1060.756144	3.3	2430.070
Ti	47	1	He	195.778832	3.6	49546.000
V	51	1	He	9.456574	2.7	68150.670
Cr	52	1	He	1.399000	5.5	14452.463
Mn	55	1	He	20.407083	2.7	126706.970
Fe	56	1	He	2253.268401	3.4	18459805.333
Co	59	1	He	0.715683	2.3	9928.727
Ni	60	1	He	1.281421	1.1	4656.760
Cu	63	1	He	3.789036	3.0	36516.360
Zn	66	1	He	4.602316	1.6	10148.233
As	75	1	He	0.121400	7.0	409.177
Se	78	2	H2	0.044689	29.5	69.667
Sr	88	1	He	9.160308	2.8	105970.220
Mo	95	1	He	0.053234	6.6	362.677
Pd	105	1	He	0.015919	45.3	366.677
Ag	107	1	He	0.047277	13.9	1045.050
Cd	111	1	He	0.010674	7.9	53.270
Sn	118	1	He	0.738744	1.2	7201.920
Sb	121	1	He	0.009904	23.2	196.667
Ba	138	1	He	3.909144	3.5	124894.900
Pt	195	1	He	0.000940	99.3	176.667
Hg	202	1	He	0.025367	9.9	264.000
Tl	205	1	He	0.011655	22.4	895.040
Pb	208	1	He	0.213776	4.4	16077.147
Bi	209	1	He	0.006021	58.4	2110.220
Th	232	1	He	0.114380	3.7	8442.793
U	238	1	He	0.059626	1.4	4420.790

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.99725836	560597.540
Sc	45	2	H2	93.66489242	4612874.500
Ge	72	1	He	92.73029403	469691.643
Ge	72	2	H2	94.06461276	1604692.750
In	115	1	He	96.01957591	5677980.730
Tb	159	1	He	98.74147403	13628748.550
Ir	193	1	He	98.32008660	7111064.270

Sample Name	10606394003_B69966Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	085SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 19:12:27
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.524759	2.0	299.500
Be	9	2	H2	0.068659	20.9	42.000
B	11	2	H2	-2.697178		1456.903
Na	23	1	He	296.453590	2.6	311456.043
Mg	24	1	He	184.244319	2.6	106369.413
Al	27	1	He	1567.943441	2.0	438125.873
Si	28	2	H2	261.548571	3.0	885051.750
K	39	1	He	52.553220	5.5	110023.120
Ca	43	1	He	1336.925313	2.2	3080.500
Ti	47	1	He	258.178513	2.8	65805.893
V	51	1	He	11.872387	2.7	86301.480
Cr	52	1	He	1.724982	2.8	17374.973
Mn	55	1	He	26.015019	3.4	162602.583
Fe	56	1	He	2722.825703	2.6	22464644.000
Co	59	1	He	0.913577	2.6	12787.627
Ni	60	1	He	1.712204	4.9	6219.340
Cu	63	1	He	4.491894	3.4	43683.343
Zn	66	1	He	5.269764	3.5	11713.407
As	75	1	He	0.116972	0.8	404.677
Se	78	2	H2	0.047128	16.4	72.000
Sr	88	1	He	11.592838	2.8	135405.823
Mo	95	1	He	0.062031	2.0	428.010
Pd	105	1	He	0.016364	5.6	378.343
Ag	107	1	He	0.024825	17.1	605.017
Cd	111	1	He	0.008033	5.8	43.920
Sn	118	1	He	0.875058	4.2	8676.073
Sb	121	1	He	0.010228	20.5	205.000
Ba	138	1	He	3.691962	2.2	120102.420
Pt	195	1	He	0.001042	172.6	179.333
Hg	202	1	He	0.017616	21.2	215.000
Tl	205	1	He	0.010473	8.3	845.033
Pb	208	1	He	0.191905	2.3	14763.207
Bi	209	1	He	0.011374	38.3	2440.277
Th	232	1	He	0.123759	3.0	9189.993
U	238	1	He	0.038532	4.5	3050.383

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.66159158	564690.230
Sc	45	2	H2	93.67466256	4613355.667
Ge	72	1	He	93.66985664	474450.657
Ge	72	2	H2	94.24963469	1607849.127
In	115	1	He	97.78450874	5782347.517
Tb	159	1	He	99.52074956	13736307.713
Ir	193	1	He	99.36981790	7186986.770

Sample Name	CCV
Sample Type	CCV
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	086_CCV.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 19:16:07
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.286625	0.8	37190.590
Be	9	2	H2	79.842055	1.1	36821.940
B	11	2	H2	76.606485	0.1	33924.913
Na	23	1	He	995.578065	0.3	1044214.050
Mg	24	1	He	996.966510	0.5	582531.110
Al	27	1	He	995.398514	0.4	284533.093
Si	28	2	H2	493.748823	0.4	1673447.920
K	39	1	He	1000.876291	0.7	869076.370
Ca	43	1	He	1030.832126	1.0	2433.567
Ti	47	1	He	80.049347	1.0	20870.423
V	51	1	He	80.274812	1.1	599851.687
Cr	52	1	He	82.517276	1.0	732697.060
Mn	55	1	He	81.125674	0.5	518017.607
Fe	56	1	He	508.810352	0.7	4302444.000
Co	59	1	He	82.235086	0.5	1183528.583
Ni	60	1	He	82.922262	0.2	301242.947
Cu	63	1	He	83.366129	0.7	833168.543
Zn	66	1	He	81.488207	0.3	184515.640
As	75	1	He	79.414616	0.6	159369.713
Se	78	2	H2	79.616456	0.8	71168.853
Sr	88	1	He	80.758337	0.1	972651.810
Mo	95	1	He	76.846156	0.6	516953.717
Pd	105	1	He	82.192146	1.3	829497.540
Ag	107	1	He	41.804831	1.0	867510.977
Cd	111	1	He	79.843652	0.7	317058.390
Sn	118	1	He	76.857288	0.3	765180.877
Sb	121	1	He	77.679813	0.8	1150304.543
Ba	138	1	He	78.204080	0.8	2571928.817
Pt	195	1	He	81.967295	0.8	1114066.250
Hg	202	1	He	3.869855	0.9	25753.143
Tl	205	1	He	42.143077	0.9	2070803.043
Pb	208	1	He	82.420432	1.6	5442115.303
Bi	209	1	He	79.735326	2.0	4565623.887
Th	232	1	He	77.019460	1.1	5393261.587
U	238	1	He	78.370534	1.1	5249042.837

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.75629511	577594.857
Sc	45	2	H2	94.49301913	4653658.667
Ge	72	1	He	96.66879099	489640.670
Ge	72	2	H2	94.85292823	1618140.997
In	115	1	He	98.95309462	5851450.177
Tb	159	1	He	100.0337047	13807108.127
Ir	193	1	He	99.07274138	7165500.517

Sample Name	CCB
Sample Type	CCB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	087_CCB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 19:19:47
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.042939	40.0	85.333
Be	9	2	H2	0.068012	11.2	42.333
B	11	2	H2	-2.306510		1640.590
Na	23	1	He	-0.937727		9856.623
Mg	24	1	He	-0.993377		826.693
Al	27	1	He	0.709023	30.8	271.000
Si	28	2	H2	-0.150111		13021.427
K	39	1	He	-1.433138		69013.673
Ca	43	1	He	-1.286681		14.333
Ti	47	1	He	0.041427	70.4	11.667
V	51	1	He	0.055592	134.0	-94.093
Cr	52	1	He	0.026639	82.1	2726.263
Mn	55	1	He	0.019023	76.2	426.677
Fe	56	1	He	0.666599	22.2	15936.727
Co	59	1	He	0.039324	32.5	604.680
Ni	60	1	He	0.023436	74.7	282.670
Cu	63	1	He	0.036014	52.3	550.013
Zn	66	1	He	0.043604	81.2	260.670
As	75	1	He	0.020002	75.0	219.500
Se	78	2	H2	0.003423	182.7	33.667
Sr	88	1	He	0.032664	29.8	518.347
Mo	95	1	He	0.043125	29.9	303.337
Pd	105	1	He	0.022276	7.2	438.343
Ag	107	1	He	0.180015	23.9	3798.893
Cd	111	1	He	0.036687	49.4	156.947
Sn	118	1	He	0.037807	25.6	440.013
Sb	121	1	He	0.029934	49.2	495.013
Ba	138	1	He	0.032838	39.4	1186.733
Pt	195	1	He	0.029649	39.7	562.013
Hg	202	1	He	0.036978	9.0	340.673
Tl	205	1	He	0.067595	23.9	3612.207
Pb	208	1	He	0.033921	28.3	4360.303
Bi	209	1	He	0.032571	32.4	3650.570
Th	232	1	He	0.041150	32.0	3377.160
U	238	1	He	0.030894	43.4	2528.620

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.13840651	573788.293
Sc	45	2	H2	95.13734405	4685390.833
Ge	72	1	He	95.02219518	481300.437
Ge	72	2	H2	95.55576372	1630131.000
In	115	1	He	98.03242927	5797007.943
Tb	159	1	He	98.95288867	13657928.963
Ir	193	1	He	99.24986562	7178311.143

Sample Name	10606394004_B69966Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	088SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 19:23:26
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.660680	4.6	358.667
Be	9	2	H2	0.080059	14.9	47.000
B	11	2	H2	-1.889568		1776.440
Na	23	1	He	200.580426	0.8	213433.290
Mg	24	1	He	222.968283	1.1	127992.110
Al	27	1	He	1454.102555	1.3	404913.457
Si	28	2	H2	415.180208	3.4	1390587.790
K	39	1	He	81.650858	0.4	132251.647
Ca	43	1	He	1075.450596	0.9	2472.713
Ti	47	1	He	213.600887	2.2	54257.480
V	51	1	He	12.101221	1.5	87671.173
Cr	52	1	He	2.104810	0.8	20589.107
Mn	55	1	He	25.346681	1.4	157888.557
Fe	56	1	He	2728.536358	1.6	22434232.667
Co	59	1	He	0.871618	1.9	12047.653
Ni	60	1	He	1.500539	6.6	5405.017
Cu	63	1	He	4.450583	2.9	42733.857
Zn	66	1	He	4.993829	4.3	10967.507
As	75	1	He	0.216458	3.1	590.343
Se	78	2	H2	0.073746	6.5	95.000
Sr	88	1	He	9.033065	1.9	104196.877
Mo	95	1	He	0.065254	2.0	442.010
Pd	105	1	He	0.018536	13.7	393.343
Ag	107	1	He	0.078591	21.5	1678.453
Cd	111	1	He	0.011679	11.2	57.253
Sn	118	1	He	0.770196	2.3	7517.093
Sb	121	1	He	0.009544	6.1	191.667
Ba	138	1	He	6.096058	1.8	194935.833
Pt	195	1	He	0.002650	74.7	199.333
Hg	202	1	He	0.024578	8.1	258.667
Tl	205	1	He	0.022462	9.9	1418.427
Pb	208	1	He	0.315354	3.4	22674.157
Bi	209	1	He	0.009539	26.4	2293.567
Th	232	1	He	0.129716	5.3	9433.470
U	238	1	He	0.134284	1.7	9310.063

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.33781349	562695.563
Sc	45	2	H2	93.24612336	4592250.667
Ge	72	1	He	92.48490021	468448.690
Ge	72	2	H2	93.65757108	1597748.833
In	115	1	He	96.15963831	5686263.120
Tb	159	1	He	98.65389903	13616661.050
Ir	193	1	He	97.55680562	7055859.477

Sample Name	10606395001_B69966Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	089SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 19:27:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.729211	3.8	390.173
Be	9	2	H2	0.072863	16.5	43.833
B	11	2	H2	-1.867111		1790.110
Na	23	1	He	229.177307	2.1	240923.007
Mg	24	1	He	262.991705	2.4	149831.537
Al	27	1	He	1708.632724	2.5	472962.820
Si	28	2	H2	425.778935	2.4	1429570.750
K	39	1	He	96.040147	1.7	142604.587
Ca	43	1	He	1232.549564	1.5	2814.870
Ti	47	1	He	244.173718	2.1	61656.307
V	51	1	He	14.254357	2.3	102747.477
Cr	52	1	He	2.441096	2.2	23350.537
Mn	55	1	He	28.708105	2.7	177727.187
Fe	56	1	He	3218.931673	2.9	26306999.333
Co	59	1	He	1.001176	1.1	13855.920
Ni	60	1	He	1.781609	2.6	6392.753
Cu	63	1	He	5.263291	1.7	50591.470
Zn	66	1	He	6.116818	0.9	13421.553
As	75	1	He	0.267714	2.6	689.853
Se	78	2	H2	0.101967	14.6	120.333
Sr	88	1	He	10.559926	1.9	122000.987
Mo	95	1	He	0.070203	11.6	474.677
Pd	105	1	He	0.019715	27.2	405.010
Ag	107	1	He	0.028457	19.3	668.357
Cd	111	1	He	0.012887	9.0	61.917
Sn	118	1	He	0.746796	2.3	7295.287
Sb	121	1	He	0.012301	21.6	231.670
Ba	138	1	He	7.569597	1.9	242138.680
Pt	195	1	He	0.002532	84.9	198.000
Hg	202	1	He	0.018149	8.4	216.667
Tl	205	1	He	0.013481	9.5	983.380
Pb	208	1	He	0.374107	3.4	26506.977
Bi	209	1	He	0.010438	14.1	2366.917
Th	232	1	He	0.137622	4.2	10075.660
U	238	1	He	0.157689	2.4	10958.023

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.81402452	559468.710
Sc	45	2	H2	93.48891486	4604207.833
Ge	72	1	He	92.64762565	469272.917
Ge	72	2	H2	93.96198884	1602942.040
In	115	1	He	96.20561428	5688981.843
Tb	159	1	He	98.67583052	13619688.133
Ir	193	1	He	98.49827654	7123951.973

Sample Name	10606395002_B69966Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	090SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 19:30:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.852209	3.8	441.010
Be	9	2	H2	0.083033	23.2	48.000
B	11	2	H2	-2.483838		1526.410
Na	23	1	He	240.031813	1.8	250354.657
Mg	24	1	He	369.317372	2.8	208625.590
Al	27	1	He	1933.899608	2.3	532180.420
Si	28	2	H2	477.557306	0.9	1587176.790
K	39	1	He	130.864181	1.5	168503.727
Ca	43	1	He	1328.760982	3.7	3015.440
Ti	47	1	He	291.142337	2.7	73084.663
V	51	1	He	15.277046	2.9	109511.177
Cr	52	1	He	3.021332	1.5	28156.317
Mn	55	1	He	30.251728	2.1	186173.543
Fe	56	1	He	3458.487319	2.4	28099460.000
Co	59	1	He	1.587873	3.2	21824.297
Ni	60	1	He	2.113857	5.3	7505.277
Cu	63	1	He	4.798308	2.9	45878.703
Zn	66	1	He	7.890195	3.2	17168.823
As	75	1	He	0.316266	3.8	778.687
Se	78	2	H2	0.101642	16.5	118.333
Sr	88	1	He	11.171228	3.2	128326.410
Mo	95	1	He	0.067973	6.8	459.343
Pd	105	1	He	0.017042	17.1	378.343
Ag	107	1	He	0.018975	6.1	476.677
Cd	111	1	He	0.017311	6.5	78.913
Sn	118	1	He	0.817336	6.0	7965.660
Sb	121	1	He	0.012918	11.8	240.000
Ba	138	1	He	9.362169	2.8	299031.577
Pt	195	1	He	0.001440	75.9	183.333
Hg	202	1	He	0.016663	20.5	207.333
Tl	205	1	He	0.019466	7.0	1275.073
Pb	208	1	He	0.572303	4.0	39458.037
Bi	209	1	He	0.010621	17.7	2390.253
Th	232	1	He	0.200638	3.2	14534.887
U	238	1	He	0.178932	4.0	12437.693

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.26729406	556100.523
Sc	45	2	H2	92.63726808	4562265.333
Ge	72	1	He	92.13520252	466677.423
Ge	72	2	H2	92.69427464	1581315.503
In	115	1	He	96.06836512	5680865.810
Tb	159	1	He	98.78541848	13634813.963
Ir	193	1	He	98.98407412	7159087.600

Sample Name	10606395003_B69966Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	091SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 19:34:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.733884	1.8	1720.433
Be	9	2	H2	0.151437	14.1	79.167
B	11	2	H2	-2.769872		1415.570
Na	23	1	He	170.435065	2.0	180996.293
Mg	24	1	He	1972.461942	1.7	1109491.157
Al	27	1	He	3469.991738	1.8	955865.607
Si	28	2	H2	452.241932	2.3	1508011.457
K	39	1	He	403.966024	2.7	378649.007
Ca	43	1	He	1950.394879	3.0	4423.180
Ti	47	1	He	627.936719	2.2	157797.197
V	51	1	He	28.454664	1.8	204626.623
Cr	52	1	He	6.613046	2.8	58819.377
Mn	55	1	He	177.287125	2.0	1090843.543
Fe	56	1	He	8958.452114	2.1	72849925.333
Co	59	1	He	3.772262	1.9	52057.757
Ni	60	1	He	7.438097	2.1	26062.590
Cu	63	1	He	5.486428	2.9	52698.947
Zn	66	1	He	40.917945	2.8	88823.093
As	75	1	He	1.938958	3.6	3898.527
Se	78	2	H2	0.092104	1.0	110.000
Sr	88	1	He	15.259465	2.2	176147.057
Mo	95	1	He	0.153821	5.0	1010.040
Pd	105	1	He	0.022027	8.2	423.343
Ag	107	1	He	0.022061	15.7	535.017
Cd	111	1	He	0.089247	3.8	352.823
Sn	118	1	He	0.886363	4.5	8551.027
Sb	121	1	He	0.042326	2.7	656.687
Ba	138	1	He	37.799011	3.1	1195745.947
Pt	195	1	He	0.001112	65.8	178.667
Hg	202	1	He	0.015351	6.8	198.000
Tl	205	1	He	0.062489	1.5	3352.110
Pb	208	1	He	2.782698	2.3	182940.970
Bi	209	1	He	0.026445	12.2	3287.150
Th	232	1	He	1.279552	2.7	89832.853
U	238	1	He	0.361696	2.9	24604.977

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.38654222	556835.163
Sc	45	2	H2	92.89798898	4575105.500
Ge	72	1	He	92.61418003	469103.510
Ge	72	2	H2	92.63262268	1580263.753
In	115	1	He	95.20604529	5629873.757
Tb	159	1	He	98.48349154	13593140.630
Ir	193	1	He	98.80782273	7146340.103

Sample Name	10606395004_B69966Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	092SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 19:38:04
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.464286	2.5	2497.873
Be	9	2	H2	0.261329	5.5	129.500
B	11	2	H2	-2.084991		1697.930
Na	23	1	He	280.820485	4.4	292249.867
Mg	24	1	He	2871.138068	4.1	1618960.967
Al	27	1	He	5869.656195	3.7	1621451.833
Si	28	2	H2	583.219529	2.8	1948670.583
K	39	1	He	837.644025	2.8	714242.123
Ca	43	1	He	3538.057563	4.0	8032.447
Ti	47	1	He	701.276637	3.5	176732.620
V	51	1	He	33.591965	5.2	242300.593
Cr	52	1	He	9.343881	4.4	82343.737
Mn	55	1	He	307.475304	4.1	1896874.623
Fe	56	1	He	11511.93982	4.0	93874829.333
Co	59	1	He	5.679526	3.6	77751.827
Ni	60	1	He	11.061190	3.0	38367.620
Cu	63	1	He	13.720863	3.1	130521.487
Zn	66	1	He	43.628424	3.5	93985.997
As	75	1	He	2.450409	3.6	4843.647
Se	78	2	H2	0.151676	7.7	163.333
Sr	88	1	He	27.560272	3.6	315635.343
Mo	95	1	He	0.160299	7.6	1052.047
Pd	105	1	He	0.029282	9.0	493.347
Ag	107	1	He	0.039007	4.1	871.703
Cd	111	1	He	0.203633	8.0	789.503
Sn	118	1	He	1.248591	3.6	12015.250
Sb	121	1	He	0.075009	11.3	1121.727
Ba	138	1	He	94.972056	3.7	3002949.643
Pt	195	1	He	0.002204	86.4	191.333
Hg	202	1	He	0.028259	6.1	280.000
Tl	205	1	He	0.076015	5.6	3972.293
Pb	208	1	He	6.406972	4.9	414882.357
Bi	209	1	He	0.051458	14.4	4667.583
Th	232	1	He	1.622110	4.7	112610.927
U	238	1	He	0.510074	4.3	34176.703

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.64843887	558448.603
Sc	45	2	H2	93.26433027	4593147.333
Ge	72	1	He	91.91199435	465546.843
Ge	72	2	H2	93.38928652	1593172.040
In	115	1	He	95.13424192	5625627.767
Tb	159	1	He	97.65984588	13479457.300
Ir	193	1	He	97.81240595	7074345.937

Sample Name	CCV
Sample Type	CCV
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	093_CCV.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 19:41:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	81.073279	0.4	36792.797
Be	9	2	H2	79.140920	1.0	36647.520
B	11	2	H2	75.325068	1.1	33536.060
Na	23	1	He	989.252702	0.5	1041140.063
Mg	24	1	He	986.755128	0.7	578521.630
Al	27	1	He	984.789765	0.6	282449.540
Si	28	2	H2	489.849407	0.3	1667112.287
K	39	1	He	985.272591	0.3	859508.893
Ca	43	1	He	1010.216276	1.3	2393.250
Ti	47	1	He	80.136442	0.6	20964.210
V	51	1	He	79.442947	0.6	595603.160
Cr	52	1	He	81.544702	0.4	726530.330
Mn	55	1	He	80.255134	0.4	514186.917
Fe	56	1	He	508.165137	1.2	4311647.333
Co	59	1	He	82.095424	0.9	1174959.917
Ni	60	1	He	82.999172	0.7	299841.720
Cu	63	1	He	83.252043	1.0	827398.413
Zn	66	1	He	80.924549	0.5	182222.420
As	75	1	He	79.336959	0.8	158329.047
Se	78	2	H2	79.812915	0.8	71639.133
Sr	88	1	He	80.478048	1.1	963878.373
Mo	95	1	He	76.978733	0.5	513862.853
Pd	105	1	He	81.960634	0.4	820805.277
Ag	107	1	He	42.127184	1.9	867454.153
Cd	111	1	He	79.846716	0.0	314630.107
Sn	118	1	He	77.406031	0.4	764710.483
Sb	121	1	He	77.986904	0.2	1145972.587
Ba	138	1	He	78.083405	0.7	2548220.640
Pt	195	1	He	82.267833	0.2	1112849.250
Hg	202	1	He	3.885456	0.4	25734.770
Tl	205	1	He	42.303237	0.6	2068835.333
Pb	208	1	He	82.904300	0.2	5448461.720
Bi	209	1	He	79.637944	0.9	4531532.223
Th	232	1	He	77.573223	0.8	5397868.667
U	238	1	He	78.769063	1.2	5242475.860

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.07033063	579529.503
Sc	45	2	H2	94.87980089	4672707.167
Ge	72	1	He	96.13356163	486929.660
Ge	72	2	H2	95.24767977	1624875.250
In	115	1	He	98.19056475	5806359.060
Tb	159	1	He	99.55672142	13741272.713
Ir	193	1	He	98.44813877	7120325.727

Sample Name	CCB
Sample Type	CCB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	094_CCB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 19:45:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.052475	27.1	89.667
Be	9	2	H2	0.052121	15.4	35.000
B	11	2	H2	-2.594017		1523.243
Na	23	1	He	-1.637075		9214.567
Mg	24	1	He	-1.296170		656.690
Al	27	1	He	0.499491	2.1	213.333
Si	28	2	H2	-0.129037		13101.273
K	39	1	He	-5.446943		66410.263
Ca	43	1	He	-1.017754		15.083
Ti	47	1	He	0.060098	34.0	16.667
V	51	1	He	0.032262	42.5	-270.293
Cr	52	1	He	-0.000242		2511.553
Mn	55	1	He	0.006983	52.8	353.343
Fe	56	1	He	0.811410	6.7	17299.587
Co	59	1	He	0.011014	17.8	205.333
Ni	60	1	He	-0.002504		191.333
Cu	63	1	He	0.009654	8.5	292.667
Zn	66	1	He	0.011369	46.4	190.000
As	75	1	He	-0.009348		162.667
Se	78	2	H2	-0.007031		24.333
Sr	88	1	He	0.006934	20.9	215.000
Mo	95	1	He	0.014403	24.3	112.667
Pd	105	1	He	0.014130	29.2	360.010
Ag	107	1	He	0.163138	26.0	3482.143
Cd	111	1	He	0.007929	13.0	43.977
Sn	118	1	He	0.011160	24.0	178.333
Sb	121	1	He	0.005812	25.7	141.667
Ba	138	1	He	0.010138	19.0	450.013
Pt	195	1	He	0.004545	71.0	228.000
Hg	202	1	He	0.030674	9.6	303.000
Tl	205	1	He	0.054403	22.3	3010.387
Pb	208	1	He	0.005436	22.4	2533.447
Bi	209	1	He	0.007386	35.3	2226.890
Th	232	1	He	0.017451	2.8	1733.460
U	238	1	He	0.007468	22.5	970.047

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.96588948	578886.083
Sc	45	2	H2	95.19651312	4688304.833
Ge	72	1	He	95.63461100	484402.407
Ge	72	2	H2	96.22977359	1641629.253
In	115	1	He	98.81093759	5843043.923
Tb	159	1	He	100.1028108	13816646.460
Ir	193	1	He	100.0004983	7232601.143

Sample Name	CRDL
Sample Type	CRDL
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	095CRD.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 19:49:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.509884	5.6	301.333
Be	9	2	H2	0.223084	8.7	115.833
B	11	2	H2	6.654237	2.7	5402.970
Na	23	1	He	50.098131	0.5	63906.107
Mg	24	1	He	28.264265	2.1	18174.480
Al	27	1	He	30.390980	0.5	8896.317
Si	28	2	H2	95.796592	0.8	342243.260
K	39	1	He	97.295768	0.9	150624.903
Ca	43	1	He	94.996609	3.2	243.967
Ti	47	1	He	1.080997	5.7	287.333
V	51	1	He	1.004685	2.7	7115.277
Cr	52	1	He	2.022076	1.2	20730.643
Mn	55	1	He	0.531749	1.0	3761.160
Fe	56	1	He	51.288689	0.4	450210.407
Co	59	1	He	0.527652	2.9	7634.020
Ni	60	1	He	0.530071	3.4	2124.163
Cu	63	1	He	1.069178	1.4	10868.747
Zn	66	1	He	5.263221	1.0	12059.017
As	75	1	He	0.476522	2.1	1137.047
Se	78	2	H2	0.503433	0.5	489.010
Sr	88	1	He	0.502403	3.0	6176.390
Mo	95	1	He	0.479091	3.0	3247.043
Pd	105	1	He	0.501002	3.1	5287.697
Ag	107	1	He	0.452522	5.2	9514.947
Cd	111	1	He	0.077654	2.2	321.750
Sn	118	1	He	0.488998	1.1	4949.237
Sb	121	1	He	0.535134	3.8	8002.337
Ba	138	1	He	0.310335	0.8	10350.617
Pt	195	1	He	0.500992	0.6	6966.503
Hg	202	1	He	0.240802	3.3	1693.780
Tl	205	1	He	0.104438	3.3	5459.493
Pb	208	1	He	0.519183	1.8	36399.470
Bi	209	1	He	0.496390	1.2	30271.550
Th	232	1	He	0.485185	0.4	34552.523
U	238	1	He	0.488312	1.3	33245.903

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.26817482	586908.940
Sc	45	2	H2	96.38783721	4746976.000
Ge	72	1	He	96.55194782	489048.843
Ge	72	2	H2	96.60196152	1647978.583
In	115	1	He	99.22157842	5867326.583
Tb	159	1	He	99.91654564	13790937.293
Ir	193	1	He	99.31485810	7183011.767

Sample Name	4305766_B69917Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	096SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 19:52:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.045470	67.5	73.667
Be	9	2	H2	0.047739	48.0	27.333
B	11	2	H2	-2.352802		1350.893
Na	23	1	He	9.338049	4.4	20961.470
Mg	24	1	He	1.250322	22.1	2178.510
Al	27	1	He	137.893708	1.0	40192.850
Si	28	2	H2	1.606805	108.2	15769.040
K	39	1	He	-3.551518		69013.683
Ca	43	1	He	7.044640	15.2	34.567
Ti	47	1	He	0.095583	25.0	26.333
V	51	1	He	0.026324	162.2	-320.303
Cr	52	1	He	0.179056	5.2	4167.267
Mn	55	1	He	0.038336	4.6	562.677
Fe	56	1	He	3.077839	2.2	37040.697
Co	59	1	He	0.009233	11.7	182.000
Ni	60	1	He	0.010458	30.0	240.667
Cu	63	1	He	0.050984	12.7	709.353
Zn	66	1	He	3.128038	1.7	7253.160
As	75	1	He	-0.008110		167.167
Se	78	2	H2	0.010401	143.3	33.000
Sr	88	1	He	0.021614	23.5	395.010
Mo	95	1	He	0.010417	8.8	86.667
Pd	105	1	He	-0.001767		201.667
Ag	107	1	He	0.051221	8.2	1170.057
Cd	111	1	He	0.005247	22.5	33.650
Sn	118	1	He	0.039034	15.7	460.010
Sb	121	1	He	0.009386	14.6	196.667
Ba	138	1	He	0.024832	5.3	941.710
Pt	195	1	He	0.006921	46.5	262.000
Hg	202	1	He	0.016584	19.5	210.667
Tl	205	1	He	0.012485	3.1	955.043
Pb	208	1	He	0.007760	11.8	2703.460
Bi	209	1	He	0.006658	78.2	2186.897
Th	232	1	He	0.004636	25.5	830.040
U	238	1	He	0.002941	33.1	665.023

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.45736100	588074.440
Sc	45	2	H2	83.18663178	4096833.750
Ge	72	1	He	96.79907243	490300.563
Ge	72	2	H2	83.34506415	1421822.897
In	115	1	He	99.82304542	5902893.477
Tb	159	1	He	100.7418214	13904845.627
Ir	193	1	He	100.2606181	7251414.477

Sample Name	4305767_B69917Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	097SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 19:56:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	98.928127	1.0	45279.650
Be	9	2	H2	97.200086	1.0	45407.460
B	11	2	H2	93.237654	0.9	41261.063
Na	23	1	He	1936.389916	0.2	2049462.367
Mg	24	1	He	1927.261209	0.2	1140804.957
Al	27	1	He	2008.568465	0.2	582249.313
Si	28	2	H2	513.008602	0.4	1760835.707
K	39	1	He	1940.002025	0.1	1641341.330
Ca	43	1	He	1971.463078	1.1	4704.363
Ti	47	1	He	101.093299	1.0	26732.520
V	51	1	He	97.783306	0.9	741183.157
Cr	52	1	He	100.258897	0.1	902370.997
Mn	55	1	He	98.220707	0.3	636054.460
Fe	56	1	He	1956.985044	0.3	16753904.000
Co	59	1	He	99.723170	0.3	1454689.997
Ni	60	1	He	100.904426	0.7	371498.603
Cu	63	1	He	99.554944	0.1	1008418.583
Zn	66	1	He	102.313463	0.2	234768.913
As	75	1	He	101.057623	0.7	205500.040
Se	78	2	H2	102.987895	0.3	93048.020
Sr	88	1	He	98.199507	0.8	1198701.860
Mo	95	1	He	99.245000	0.6	666200.107
Pd	105	1	He	19.969571	0.5	201270.797
Ag	107	1	He	50.376473	1.4	1043156.860
Cd	111	1	He	97.365180	0.8	385801.387
Sn	118	1	He	97.557581	0.4	969172.823
Sb	121	1	He	99.420268	1.2	1469071.277
Ba	138	1	He	95.812717	0.7	3144225.370
Pt	195	1	He	20.500466	0.4	278061.103
Hg	202	1	He	0.015925	30.7	204.333
Tl	205	1	He	102.524377	0.8	5024524.927
Pb	208	1	He	100.249775	0.3	6602632.140
Bi	209	1	He	97.240285	1.6	5505936.167
Th	232	1	He	97.631821	1.1	6760680.523
U	238	1	He	96.601906	0.6	6398295.943

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.09220706	585824.873
Sc	45	2	H2	95.72549152	4714356.333
Ge	72	1	He	97.98018099	496283.040
Ge	72	2	H2	95.88581006	1635761.417
In	115	1	He	98.74150614	5838938.193
Tb	159	1	He	99.77875014	13771918.130
Ir	193	1	He	97.97046993	7085778.017

Sample Name	60398600001_B69917Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	098SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 20:00:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.654708	0.7	2209.827
Be	9	2	H2	0.085138	13.9	51.000
B	11	2	H2	73.424333	0.8	33291.503
Na	23	1	He	31629.05014	0.2	32569899.517
Mg	24	1	He	28338.86171	0.2	16384365.177
Al	27	1	He	90.376639	2.1	25684.737
Si	28	2	H2	4666.946647	0.1	16026306.000
K	39	1	He	2093.197769	0.6	1726224.817
Ca	43	1	He	57288.08958	0.5	133190.327
Ti	47	1	He	0.817660	94.5	212.380
V	51	1	He	1.947839	1.2	13940.503
Cr	52	1	He	0.570548	9.6	7494.600
Mn	55	1	He	0.367846	5.4	2633.580
Fe	56	1	He	10.814502	14.7	100794.527
Co	59	1	He	0.070450	40.5	1040.047
Ni	60	1	He	1.467793	3.6	5419.693
Cu	63	1	He	0.651670	5.1	6574.833
Zn	66	1	He	6.193500	2.5	13892.663
As	75	1	He	0.661118	5.3	1477.910
Se	78	2	H2	1.060873	1.8	990.037
Sr	88	1	He	149.692754	0.6	1766564.450
Mo	95	1	He	9.829421	2.7	63405.703
Pd	105	1	He	0.085058	0.6	1031.717
Ag	107	1	He	0.195506	32.3	3972.297
Cd	111	1	He	0.065872	34.3	262.257
Sn	118	1	He	0.156521	21.8	1556.767
Sb	121	1	He	1.483469	2.2	21114.307
Ba	138	1	He	47.543334	1.2	1499174.250
Pt	195	1	He	0.012629	29.6	330.670
Hg	202	1	He	0.015619	7.5	198.667
Tl	205	1	He	0.068910	36.7	3642.243
Pb	208	1	He	0.079810	29.1	7284.160
Bi	209	1	He	0.036640	57.4	3733.977
Th	232	1	He	0.063341	37.4	4744.333
U	238	1	He	10.156874	1.7	656381.867

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.98830583	572863.583
Sc	45	2	H2	96.43244752	4749173.000
Ge	72	1	He	94.72891717	479814.943
Ge	72	2	H2	95.99217794	1637575.997
In	115	1	He	94.88367564	5610810.887
Tb	159	1	He	97.93002726	13516748.967
Ir	193	1	He	95.53608990	6909709.897

Sample Name	4308653_B69917Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	099SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 20:03:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	83.058402	0.3	38244.367
Be	9	2	H2	78.232532	0.4	36757.943
B	11	2	H2	152.436233	0.5	66179.733
Na	23	1	He	32972.32137	0.3	34526061.150
Mg	24	1	He	29804.45907	0.3	17522643.907
Al	27	1	He	2004.100057	0.2	577697.187
Si	28	2	H2	5649.840604	0.2	19365794.667
K	39	1	He	3974.028235	0.9	3268659.327
Ca	43	1	He	58976.71354	0.5	139432.537
Ti	47	1	He	79.670276	0.7	20949.860
V	51	1	He	81.445425	1.1	613808.543
Cr	52	1	He	81.422173	0.0	729202.833
Mn	55	1	He	80.156564	0.2	516223.927
Fe	56	1	He	973.732134	0.2	8294777.667
Co	59	1	He	78.845300	0.9	1132662.663
Ni	60	1	He	81.113844	0.1	294135.803
Cu	63	1	He	79.847550	0.2	796546.333
Zn	66	1	He	83.968537	0.6	189775.390
As	75	1	He	81.053407	0.5	162353.850
Se	78	2	H2	81.366457	0.1	73543.303
Sr	88	1	He	226.154213	0.4	2718561.627
Mo	95	1	He	90.751210	2.2	584354.750
Pd	105	1	He	79.688566	2.1	769817.100
Ag	107	1	He	16.260862	3.0	323058.923
Cd	111	1	He	80.687480	1.3	306718.137
Sn	118	1	He	79.629001	0.8	758934.857
Sb	121	1	He	81.058389	1.4	1149035.167
Ba	138	1	He	127.886263	0.8	4026250.567
Pt	195	1	He	78.555230	0.8	1047044.187
Hg	202	1	He	0.011506	31.4	172.333
Tl	205	1	He	40.045589	1.5	1929708.563
Pb	208	1	He	80.210950	1.5	5194083.073
Bi	209	1	He	76.492845	1.6	4236492.853
Th	232	1	He	11.179160	0.5	757577.463
U	238	1	He	90.580262	0.8	5868033.037

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.55929777	582541.833
Sc	45	2	H2	96.26963782	4741154.833
Ge	72	1	He	96.49191785	488744.783
Ge	72	2	H2	95.91432774	1636247.913
In	115	1	He	94.73678475	5602124.703
Tb	159	1	He	98.09856007	13540010.633
Ir	193	1	He	95.82515286	6930616.563

Sample Name	4308654_B69917Dx5
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	100SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 20:07:22
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.093089	3.4	578.677
Be	9	2	H2	0.061201	8.2	40.333
B	11	2	H2	14.555768	1.2	8837.580
Na	23	1	He	6566.974510	0.8	6994806.773
Mg	24	1	He	5926.823510	0.9	3541123.280
Al	27	1	He	20.097351	3.0	5956.560
Si	28	2	H2	975.903431	0.9	3413079.000
K	39	1	He	431.391894	0.8	424974.880
Ca	43	1	He	11896.09964	1.1	28586.367
Ti	47	1	He	0.093739	52.7	26.000
V	51	1	He	0.345928	10.7	2127.447
Cr	52	1	He	0.144472	9.5	3879.860
Mn	55	1	He	0.079700	6.3	836.697
Fe	56	1	He	2.373999	7.7	31194.410
Co	59	1	He	0.014637	21.2	261.333
Ni	60	1	He	0.324236	3.3	1388.740
Cu	63	1	He	0.143830	5.3	1647.433
Zn	66	1	He	1.654077	0.5	3934.543
As	75	1	He	0.146660	1.9	480.343
Se	78	2	H2	0.236762	7.8	249.000
Sr	88	1	He	30.472066	0.5	369545.453
Mo	95	1	He	1.974481	1.6	13246.850
Pd	105	1	He	0.046904	8.6	688.360
Ag	107	1	He	0.157140	27.9	3347.120
Cd	111	1	He	0.013931	14.0	67.617
Sn	118	1	He	0.047825	7.9	541.683
Sb	121	1	He	0.296806	4.0	4434.073
Ba	138	1	He	9.608980	1.2	314891.140
Pt	195	1	He	0.004236	34.4	222.000
Hg	202	1	He	0.008712	39.8	156.000
Tl	205	1	He	0.063142	28.8	3408.820
Pb	208	1	He	0.016604	15.8	3243.510
Bi	209	1	He	0.015874	32.9	2623.640
Th	232	1	He	0.010868	10.1	1225.070
U	238	1	He	2.068701	0.4	135605.780

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.06520890	591819.147
Sc	45	2	H2	97.89725766	4821313.000
Ge	72	1	He	97.31633122	492920.550
Ge	72	2	H2	97.58959478	1664827.087
In	115	1	He	98.57112741	5828863.090
Tb	159	1	He	99.27669882	13702622.717
Ir	193	1	He	96.64791877	6990123.643

Sample Name	4305768_B69917Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	101SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 20:11:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	109.666405	0.2	50062.930
Be	9	2	H2	104.921959	0.3	48892.253
B	11	2	H2	183.384399	0.1	78438.157
Na	23	1	He	34624.51838	0.6	35757221.133
Mg	24	1	He	31312.26516	0.7	18156109.313
Al	27	1	He	2204.149400	0.8	626630.543
Si	28	2	H2	5343.582959	0.1	18167325.333
K	39	1	He	4237.716598	1.0	3433069.740
Ca	43	1	He	61435.08756	0.3	143247.160
Ti	47	1	He	106.724421	1.1	27677.243
V	51	1	He	109.493228	0.4	813991.733
Cr	52	1	He	109.194556	0.3	963628.690
Mn	55	1	He	105.913199	0.5	672625.643
Fe	56	1	He	2106.491744	0.8	17685750.000
Co	59	1	He	106.069785	0.7	1500849.747
Ni	60	1	He	108.082308	0.3	385965.300
Cu	63	1	He	105.706002	0.6	1038573.440
Zn	66	1	He	111.135422	0.6	247343.460
As	75	1	He	108.409726	0.5	213823.277
Se	78	2	H2	107.416543	0.8	96121.690
Sr	88	1	He	261.614403	0.6	3097500.477
Mo	95	1	He	117.237501	1.1	750173.293
Pd	105	1	He	21.382776	1.2	205421.780
Ag	107	1	He	54.727805	0.8	1080282.460
Cd	111	1	He	106.904461	0.4	403803.057
Sn	118	1	He	105.430864	0.9	998406.000
Sb	121	1	He	108.755580	0.6	1531902.057
Ba	138	1	He	155.684492	0.4	4870173.053
Pt	195	1	He	21.285621	0.6	282073.790
Hg	202	1	He	0.010448	18.2	164.333
Tl	205	1	He	109.888130	0.4	5261885.133
Pb	208	1	He	106.804049	0.5	6872670.160
Bi	209	1	He	103.711914	1.3	5719861.997
Th	232	1	He	107.613808	0.9	7258579.270
U	238	1	He	118.150005	0.6	7622525.303

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.25827474	574526.753
Sc	45	2	H2	95.48385740	4702456.167
Ge	72	1	He	95.03965177	481388.857
Ge	72	2	H2	94.96480429	1620049.543
In	115	1	He	94.12652450	5566037.833
Tb	159	1	He	97.48774788	13455703.550
Ir	193	1	He	95.43437984	6902353.650

Sample Name	4305769_B69917Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	102SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 20:14:41
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	107.102304	0.6	49221.870
Be	9	2	H2	102.354945	0.4	48016.453
B	11	2	H2	178.846786	0.3	77075.163
Na	23	1	He	32916.93779	0.4	34163166.157
Mg	24	1	He	29762.84889	0.2	17343412.657
Al	27	1	He	2093.765082	0.7	598204.353
Si	28	2	H2	5123.351576	0.3	17536046.667
K	39	1	He	4072.139660	0.7	3317982.660
Ca	43	1	He	58306.71758	0.6	136627.740
Ti	47	1	He	103.155801	0.8	26885.447
V	51	1	He	105.358164	0.4	787134.110
Cr	52	1	He	105.621995	0.1	936812.067
Mn	55	1	He	102.369137	0.8	653349.167
Fe	56	1	He	2048.619189	0.2	17285335.333
Co	59	1	He	102.602660	0.5	1459042.293
Ni	60	1	He	104.847109	0.5	376291.323
Cu	63	1	He	102.637715	0.3	1013482.103
Zn	66	1	He	107.803969	0.5	241134.653
As	75	1	He	104.623133	0.8	207392.943
Se	78	2	H2	105.704695	1.0	95263.000
Sr	88	1	He	248.544307	0.3	2957465.267
Mo	95	1	He	114.658364	0.7	733609.353
Pd	105	1	He	20.870540	0.9	200493.743
Ag	107	1	He	53.406608	1.0	1054067.770
Cd	111	1	He	103.941520	0.4	392574.537
Sn	118	1	He	102.601743	0.5	971542.250
Sb	121	1	He	105.964566	0.8	1492475.290
Ba	138	1	He	150.315615	0.7	4701746.390
Pt	195	1	He	20.417276	0.5	274126.137
Hg	202	1	He	0.010162	14.3	164.667
Tl	205	1	He	104.864805	0.6	5087362.113
Pb	208	1	He	102.429779	0.5	6677956.310
Bi	209	1	He	100.989457	0.5	5562423.250
Th	232	1	He	105.806609	0.6	7127023.223
U	238	1	He	114.349998	0.8	7367443.430

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.72214637	577384.480
Sc	45	2	H2	96.12487936	4734025.667
Ge	72	1	He	95.51611470	483802.207
Ge	72	2	H2	95.63920964	1631554.543
In	115	1	He	94.11664331	5565453.523
Tb	159	1	He	98.76857066	13632488.550
Ir	193	1	He	95.30127520	6892726.770

Sample Name	60398600001_B69917Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	103SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 20:18:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.710353	3.8	399.010
Be	9	2	H2	0.094210	9.3	56.000
B	11	2	H2	8.029692	0.3	6059.717
Na	23	1	He	3382.171138	0.5	3617071.717
Mg	24	1	He	3027.777494	0.5	1814313.777
Al	27	1	He	10.912420	0.6	3275.363
Si	28	2	H2	498.183564	0.4	1745984.163
K	39	1	He	220.038670	0.6	252851.087
Ca	43	1	He	6012.274747	0.5	14493.147
Ti	47	1	He	0.044966	24.8	13.000
V	51	1	He	0.228681	17.2	1231.940
Cr	52	1	He	0.131062	10.4	3767.827
Mn	55	1	He	0.039099	16.7	572.680
Fe	56	1	He	2.385415	60.3	31372.687
Co	59	1	He	0.013343	16.1	242.667
Ni	60	1	He	0.173629	3.1	838.697
Cu	63	1	He	0.078829	4.6	994.037
Zn	66	1	He	0.890682	5.7	2196.837
As	75	1	He	0.089666	8.3	365.507
Se	78	2	H2	0.133072	13.1	154.000
Sr	88	1	He	15.521528	0.7	188400.870
Mo	95	1	He	0.999039	3.0	6774.963
Pd	105	1	He	0.024231	9.8	465.010
Ag	107	1	He	0.211368	29.2	4507.463
Cd	111	1	He	0.012653	18.7	63.113
Sn	118	1	He	0.060942	6.1	678.357
Sb	121	1	He	0.154665	5.9	2360.220
Ba	138	1	He	4.783150	1.1	158332.190
Pt	195	1	He	-0.000807		154.000
Hg	202	1	He	0.003380	15.8	121.000
Tl	205	1	He	0.040094	21.2	2286.890
Pb	208	1	He	0.014777	14.6	3126.833
Bi	209	1	He	0.020045	16.2	2883.703
Th	232	1	He	0.033936	5.1	2825.323
U	238	1	He	1.054233	1.6	69935.650

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.30726765	593310.373
Sc	45	2	H2	97.71920898	4812544.333
Ge	72	1	He	97.36944594	493189.583
Ge	72	2	H2	97.92912481	1670619.290
In	115	1	He	99.53214807	5885691.677
Tb	159	1	He	99.36200968	13714397.710
Ir	193	1	He	97.50457948	7052082.187

Sample Name	4308653_B69917Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	104SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 20:22:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	81.226471	0.7	37184.073
Be	9	2	H2	78.727060	0.4	36774.817
B	11	2	H2	85.893752	0.5	38210.927
Na	23	1	He	5173.382909	0.6	5464039.290
Mg	24	1	He	4863.305902	0.7	2880279.437
Al	27	1	He	1960.380178	0.8	569028.560
Si	28	2	H2	1445.201008	0.8	4934898.667
K	39	1	He	2157.796829	0.6	1819945.077
Ca	43	1	He	7843.383714	0.3	18687.510
Ti	47	1	He	79.625797	0.6	21083.720
V	51	1	He	79.521040	0.9	603405.867
Cr	52	1	He	80.702789	0.6	727771.603
Mn	55	1	He	80.750683	0.6	523642.030
Fe	56	1	He	982.685644	0.7	8429006.500
Co	59	1	He	80.146340	1.3	1156302.707
Ni	60	1	He	81.431360	0.9	296553.980
Cu	63	1	He	81.475958	0.7	816276.873
Zn	66	1	He	81.163285	1.0	184230.583
As	75	1	He	79.143319	0.8	159214.733
Se	78	2	H2	78.386594	0.2	71092.470
Sr	88	1	He	94.504938	0.6	1140988.237
Mo	95	1	He	80.276206	0.4	532120.893
Pd	105	1	He	79.978897	0.8	795344.287
Ag	107	1	He	16.466914	3.2	336736.243
Cd	111	1	He	80.136651	0.5	313559.667
Sn	118	1	He	78.400717	0.6	769116.397
Sb	121	1	He	78.265792	0.4	1142023.577
Ba	138	1	He	83.204104	0.4	2696283.603
Pt	195	1	He	80.032080	0.5	1088556.163
Hg	202	1	He	0.004301	38.6	128.000
Tl	205	1	He	40.077358	0.4	1970785.593
Pb	208	1	He	81.025552	0.3	5354284.423
Bi	209	1	He	78.838616	0.9	4467055.040
Th	232	1	He	10.874158	0.8	753882.280
U	238	1	He	79.716314	0.3	5283212.423

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.21445276	586577.980
Sc	45	2	H2	95.70894286	4713541.333
Ge	72	1	He	96.90712084	490847.843
Ge	72	2	H2	96.23986808	1641801.460
In	115	1	He	97.50437071	5765781.953
Tb	159	1	He	100.1031519	13816693.540
Ir	193	1	He	98.02967843	7090060.310

Sample Name	4308654_B69917Dx50
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	105SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 20:25:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.266220	5.9	190.500
Be	9	2	H2	0.082367	7.2	50.000
B	11	2	H2	0.294051	76.7	2766.927
Na	23	1	He	713.938555	11.7	707214.260
Mg	24	1	He	646.824501	11.8	355880.450
Al	27	1	He	4.469550	14.8	1265.053
Si	28	2	H2	95.141420	0.2	342371.780
K	39	1	He	52.454839	29.1	105829.513
Ca	43	1	He	1297.723037	11.4	2877.703
Ti	47	1	He	0.028058	58.5	8.000
V	51	1	He	0.096415	28.1	190.320
Cr	52	1	He	0.078503	37.0	3020.323
Mn	55	1	He	0.018862	23.2	404.677
Fe	56	1	He	0.984402	17.5	17662.713
Co	59	1	He	0.017025	25.2	272.003
Ni	60	1	He	0.053677	31.4	367.340
Cu	63	1	He	0.052209	9.4	668.687
Zn	66	1	He	0.387107	19.8	959.367
As	75	1	He	0.043736	36.6	250.333
Se	78	2	H2	0.025909	7.5	55.000
Sr	88	1	He	3.343281	13.6	37270.213
Mo	95	1	He	0.222501	13.4	1401.410
Pd	105	1	He	0.031395	30.2	493.347
Ag	107	1	He	0.179113	31.1	3530.507
Cd	111	1	He	0.011537	38.9	53.417
Sn	118	1	He	0.050108	24.9	525.013
Sb	121	1	He	0.043345	21.1	643.353
Ba	138	1	He	1.017923	11.4	31161.857
Pt	195	1	He	0.007347	30.6	244.667
Hg	202	1	He	0.003949	66.5	115.000
Tl	205	1	He	0.070908	33.8	3502.200
Pb	208	1	He	0.021432	24.8	3295.183
Bi	209	1	He	0.019243	36.6	2643.650
Th	232	1	He	0.012420	28.9	1240.070
U	238	1	He	0.224529	12.5	14127.787

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.91292232	547756.783
Sc	45	2	H2	97.06160791	4780158.333
Ge	72	1	He	90.09753668	456356.367
Ge	72	2	H2	97.51934056	1663628.587
In	115	1	He	92.58200204	5474704.700
Tb	159	1	He	92.52713019	12771016.473
Ir	193	1	He	91.19866504	6596002.820

Sample Name	CCV
Sample Type	CCV
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	106_CCV.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 20:29:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	83.687718	0.4	38538.607
Be	9	2	H2	81.272180	0.4	38190.470
B	11	2	H2	78.823870	0.8	35491.000
Na	23	1	He	998.810050	0.3	1075229.150
Mg	24	1	He	997.342981	0.7	598117.180
Al	27	1	He	996.013980	0.5	292224.353
Si	28	2	H2	497.530433	0.4	1718070.120
K	39	1	He	994.129906	0.4	886502.487
Ca	43	1	He	1013.498116	0.3	2456.203
Ti	47	1	He	79.667089	1.5	21318.060
V	51	1	He	78.981563	0.6	605729.157
Cr	52	1	He	81.755401	0.8	745101.310
Mn	55	1	He	80.307617	0.4	526354.603
Fe	56	1	He	501.513366	0.4	4353010.667
Co	59	1	He	82.294949	0.4	1194913.083
Ni	60	1	He	83.168651	0.5	304815.263
Cu	63	1	He	83.739346	0.4	844334.873
Zn	66	1	He	82.080769	0.4	187507.297
As	75	1	He	79.393857	0.1	160742.210
Se	78	2	H2	80.579794	0.4	73569.163
Sr	88	1	He	81.303120	0.5	987891.627
Mo	95	1	He	77.217883	1.4	522174.250
Pd	105	1	He	82.025119	0.8	832173.480
Ag	107	1	He	42.025554	0.7	876746.107
Cd	111	1	He	79.763969	0.4	318413.537
Sn	118	1	He	77.047212	0.4	771130.143
Sb	121	1	He	77.759242	0.3	1157575.893
Ba	138	1	He	77.975189	0.8	2577883.710
Pt	195	1	He	82.537623	0.5	1117896.833
Hg	202	1	He	3.905600	0.9	25899.453
Tl	205	1	He	42.243746	0.6	2068523.720
Pb	208	1	He	82.949286	0.8	5458291.920
Bi	209	1	He	80.571913	0.7	4585985.450
Th	232	1	He	77.719396	1.4	5409370.753
U	238	1	He	78.547139	0.8	5229271.797

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.23420548	592860.267
Sc	45	2	H2	96.28251803	4741789.167
Ge	72	1	He	97.52740218	493989.653
Ge	72	2	H2	96.88156433	1652748.460
In	115	1	He	99.47635737	5882392.573
Tb	159	1	He	99.68134598	13758473.963
Ir	193	1	He	98.47674780	7122394.893

Sample Name	CCB
Sample Type	CCB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	107_CCB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 20:33:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.139682	7.7	130.167
Be	9	2	H2	0.088727	5.0	52.333
B	11	2	H2	-1.578985		1953.960
Na	23	1	He	1.072623	7.4	12143.323
Mg	24	1	He	-0.656085		1040.043
Al	27	1	He	0.263459	29.8	147.000
Si	28	2	H2	-0.300149		12603.360
K	39	1	He	-1.036764		70570.913
Ca	43	1	He	-1.525808		14.033
Ti	47	1	He	0.010322	55.5	3.667
V	51	1	He	0.045011	30.3	-176.483
Cr	52	1	He	-0.006759		2476.217
Mn	55	1	He	-0.007690		262.000
Fe	56	1	He	0.179237	10.2	12063.673
Co	59	1	He	0.008821	18.8	174.667
Ni	60	1	He	0.002509	65.1	210.000
Cu	63	1	He	0.007334	41.4	270.667
Zn	66	1	He	0.011634	168.3	191.333
As	75	1	He	0.003747	16.3	189.333
Se	78	2	H2	0.013447	71.4	43.000
Sr	88	1	He	0.005198	81.6	195.000
Mo	95	1	He	0.015391	1.9	119.333
Pd	105	1	He	0.022700	44.3	446.677
Ag	107	1	He	0.168157	23.6	3583.833
Cd	111	1	He	0.008682	15.4	46.980
Sn	118	1	He	0.019501	28.1	261.670
Sb	121	1	He	0.006019	44.4	145.000
Ba	138	1	He	0.006025	15.4	315.010
Pt	195	1	He	0.003815	32.8	218.000
Hg	202	1	He	0.027818	12.8	283.667
Tl	205	1	He	0.058959	21.0	3228.773
Pb	208	1	He	0.006162	32.3	2578.457
Bi	209	1	He	0.006140	38.6	2156.890
Th	232	1	He	0.020681	10.3	1963.497
U	238	1	He	0.005050	41.8	806.703

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.80911117	584080.833
Sc	45	2	H2	95.79836991	4717945.500
Ge	72	1	He	95.98854877	486195.150
Ge	72	2	H2	96.22470524	1641542.790
In	115	1	He	98.89925476	5848266.433
Tb	159	1	He	100.0159935	13804663.543
Ir	193	1	He	100.1107318	7240573.850

Sample Name	60398600002_B69917Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	108SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 20:36:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	7.211455	0.0	3325.530
Be	9	2	H2	0.078135	7.2	46.833
B	11	2	H2	45.159842	0.9	21096.843
Na	23	1	He	10079.10707	0.9	10280285.473
Mg	24	1	He	18127.07653	0.8	10374010.263
Al	27	1	He	110.251060	1.3	30999.123
Si	28	2	H2	4472.675010	0.7	15080419.333
K	39	1	He	8745.963866	0.9	6918828.857
Ca	43	1	He	84750.36275	0.7	195022.853
Ti	47	1	He	1.192002	2.8	306.003
V	51	1	He	0.448621	12.5	2790.427
Cr	52	1	He	0.582632	5.5	7523.280
Mn	55	1	He	2.964592	2.4	18874.160
Fe	56	1	He	53.666386	0.7	454645.800
Co	59	1	He	0.514879	1.5	7186.447
Ni	60	1	He	1.461233	1.3	5306.313
Cu	63	1	He	0.213219	4.8	2244.850
Zn	66	1	He	3.511353	1.5	7814.120
As	75	1	He	0.160184	2.6	485.843
Se	78	2	H2	0.768436	2.0	714.353
Sr	88	1	He	249.785721	0.3	2898360.473
Mo	95	1	He	4.023164	0.4	26014.367
Pd	105	1	He	0.141959	8.5	1585.103
Ag	107	1	He	0.058199	11.1	1253.403
Cd	111	1	He	0.020351	18.5	89.650
Sn	118	1	He	0.054380	9.3	585.013
Sb	121	1	He	0.074013	9.2	1106.720
Ba	138	1	He	44.289728	0.3	1399334.667
Pt	195	1	He	0.004632	24.6	224.667
Hg	202	1	He	0.017472	16.6	211.000
Tl	205	1	He	0.042364	3.5	2370.237
Pb	208	1	He	0.098775	1.8	8527.737
Bi	209	1	He	0.007415	111.0	2143.557
Th	232	1	He	0.026542	3.2	2286.887
U	238	1	He	1.103641	1.3	72264.923

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.04195508	567033.497
Sc	45	2	H2	94.68061798	4662897.667
Ge	72	1	He	93.14207164	471777.353
Ge	72	2	H2	94.49795967	1612085.420
In	115	1	He	95.06069538	5621278.697
Tb	159	1	He	98.14568634	13546515.217
Ir	193	1	He	96.26437578	6962383.647

Sample Name	60398600002_B69917Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	109SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 20:40:18
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.877970	4.6	469.843
Be	9	2	H2	0.065924	23.2	41.833
B	11	2	H2	2.921904	1.7	3837.657
Na	23	1	He	1024.671879	0.7	1077342.980
Mg	24	1	He	1848.440827	0.4	1081803.917
Al	27	1	He	12.906731	1.8	3768.817
Si	28	2	H2	460.145434	1.3	1588742.417
K	39	1	He	882.180700	0.6	776531.293
Ca	43	1	He	8582.699496	0.2	20189.430
Ti	47	1	He	0.145568	18.1	39.000
V	51	1	He	-0.007322		-567.583
Cr	52	1	He	0.101455	12.4	3415.740
Mn	55	1	He	0.305022	7.1	2260.853
Fe	56	1	He	6.052754	2.2	61647.640
Co	59	1	He	0.057608	3.4	866.697
Ni	60	1	He	0.174207	3.8	824.030
Cu	63	1	He	0.031224	6.0	504.677
Zn	66	1	He	0.462675	5.1	1197.387
As	75	1	He	0.017783	16.9	216.000
Se	78	2	H2	0.078692	10.0	102.667
Sr	88	1	He	24.988795	0.8	297198.167
Mo	95	1	He	0.399976	1.0	2695.597
Pd	105	1	He	0.025869	21.2	476.677
Ag	107	1	He	0.031945	18.5	756.693
Cd	111	1	He	0.002706	31.0	23.183
Sn	118	1	He	0.023644	13.6	301.677
Sb	121	1	He	0.010689	4.5	213.333
Ba	138	1	He	4.408820	0.7	144525.800
Pt	195	1	He	-0.000249		162.000
Hg	202	1	He	0.006681	27.9	143.000
Tl	205	1	He	0.012273	7.9	933.373
Pb	208	1	He	0.014510	16.3	3115.163
Bi	209	1	He	0.001648	59.0	1863.507
Th	232	1	He	0.007924	32.2	1043.390
U	238	1	He	0.110097	2.4	7775.727

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.01458226	579186.060
Sc	45	2	H2	96.20898986	4738168.000
Ge	72	1	He	95.43061651	483369.147
Ge	72	2	H2	96.75058354	1650513.997
In	115	1	He	98.55868800	5828127.503
Tb	159	1	He	99.55029443	13740385.630
Ir	193	1	He	98.33964799	7112479.060

Sample Name	60398600003_B69917Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	110SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 20:43:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.480513	2.7	1208.217
Be	9	2	H2	0.064267	18.6	41.167
B	11	2	H2	577.400901	0.3	243668.197
Na	23	1	He	34999.35778	1.1	35138396.977
Mg	24	1	He	40991.74944	1.2	23106542.993
Al	27	1	He	73.917837	1.5	20494.377
Si	28	2	H2	3599.355437	0.6	12357768.000
K	39	1	He	4038.405933	1.6	3183631.100
Ca	43	1	He	244436.5539	1.0	554044.083
Ti	47	1	He	0.252918	0.9	64.667
V	51	1	He	0.024451	296.0	-315.650
Cr	52	1	He	0.599940	2.3	7559.297
Mn	55	1	He	0.408993	1.5	2822.283
Fe	56	1	He	8.115613	1.8	76291.467
Co	59	1	He	0.078697	7.8	1120.047
Ni	60	1	He	0.247231	3.4	1043.373
Cu	63	1	He	0.138025	2.0	1497.417
Zn	66	1	He	6.582635	1.4	14282.370
As	75	1	He	0.101037	2.5	365.833
Se	78	2	H2	2.183157	2.2	1996.140
Sr	88	1	He	421.870555	0.5	4818837.743
Mo	95	1	He	0.311298	3.5	1974.810
Pd	105	1	He	0.230918	1.2	2385.230
Ag	107	1	He	0.019613	10.2	471.677
Cd	111	1	He	0.045658	10.0	181.310
Sn	118	1	He	0.042589	11.7	460.010
Sb	121	1	He	0.067407	8.7	986.710
Ba	138	1	He	56.305571	1.8	1733338.413
Pt	195	1	He	0.008437	9.6	270.000
Hg	202	1	He	0.011257	17.0	167.333
Tl	205	1	He	0.018981	1.1	1218.400
Pb	208	1	He	0.016393	4.4	3128.503
Bi	209	1	He	0.005801	28.0	2003.520
Th	232	1	He	0.012023	13.4	1266.740
U	238	1	He	1.911625	0.7	121679.530

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.67150211	558590.687
Sc	45	2	H2	96.38736343	4746952.667
Ge	72	1	He	91.69414766	464443.420
Ge	72	2	H2	95.57603829	1630476.873
In	115	1	He	92.63905908	5478078.687
Tb	159	1	He	96.16165237	13272669.800
Ir	193	1	He	93.82256404	6785778.023

Sample Name	60398600003_B69917Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	111SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 20:47:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.382548	7.8	247.333
Be	9	2	H2	0.065491	15.6	42.500
B	11	2	H2	63.835608	0.6	29826.153
Na	23	1	He	3581.548976	0.5	3828537.653
Mg	24	1	He	4214.500168	0.4	2524132.983
Al	27	1	He	9.119457	1.0	2748.257
Si	28	2	H2	373.821867	0.6	1320165.747
K	39	1	He	411.136023	0.2	409332.807
Ca	43	1	He	24790.15137	0.2	59685.597
Ti	47	1	He	0.046253	33.9	13.333
V	51	1	He	0.029709	237.1	-296.097
Cr	52	1	He	0.097841	7.6	3465.087
Mn	55	1	He	0.033834	6.0	538.010
Fe	56	1	He	1.788919	1.0	26195.423
Co	59	1	He	0.010780	20.3	204.667
Ni	60	1	He	0.048601	16.3	380.010
Cu	63	1	He	0.022880	3.5	429.343
Zn	66	1	He	0.823056	3.9	2034.820
As	75	1	He	0.020503	10.6	225.000
Se	78	2	H2	0.208254	17.6	225.000
Sr	88	1	He	42.053622	0.1	508205.003
Mo	95	1	He	0.032058	6.4	232.667
Pd	105	1	He	0.024095	18.2	463.343
Ag	107	1	He	0.010342	26.1	313.340
Cd	111	1	He	0.004268	25.2	29.627
Sn	118	1	He	0.018354	28.2	251.670
Sb	121	1	He	0.006633	26.3	155.000
Ba	138	1	He	5.536820	0.6	183136.053
Pt	195	1	He	0.001247	74.8	184.667
Hg	202	1	He	0.005099	13.8	134.333
Tl	205	1	He	0.003812	9.1	526.687
Pb	208	1	He	0.012439	95.5	3019.450
Bi	209	1	He	0.002251	143.7	1906.847
Th	232	1	He	0.004505	10.5	808.367
U	238	1	He	0.190579	3.3	13181.767

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.27921355	593137.543
Sc	45	2	H2	98.20689356	4836562.167
Ge	72	1	He	96.98344914	491234.457
Ge	72	2	H2	98.70366533	1683832.543
In	115	1	He	99.46246662	5881571.163
Tb	159	1	He	100.8926853	13925668.540
Ir	193	1	He	98.75462584	7142492.603

Sample Name	60398600004_B69917Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	112SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 20:51:17
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.590190	1.6	1252.050
Be	9	2	H2	0.067976	13.2	42.667
B	11	2	H2	616.904929	1.4	258772.043
Na	23	1	He	36983.70285	0.5	38039446.100
Mg	24	1	He	43081.80597	0.2	24879605.463
Al	27	1	He	94.923127	0.9	26944.567
Si	28	2	H2	3886.923215	1.6	13272605.000
K	39	1	He	4281.594650	0.3	3453881.510
Ca	43	1	He	259215.4895	0.6	601915.460
Ti	47	1	He	0.185031	25.5	48.667
V	51	1	He	0.072268	177.7	28.650
Cr	52	1	He	0.533228	0.4	7159.760
Mn	55	1	He	0.608821	1.8	4154.600
Fe	56	1	He	8.582424	1.4	82041.780
Co	59	1	He	0.080071	4.0	1155.383
Ni	60	1	He	1.068573	1.6	3925.873
Cu	63	1	He	0.129597	3.9	1437.410
Zn	66	1	He	3.230019	0.9	7188.467
As	75	1	He	0.116996	7.5	401.677
Se	78	2	H2	2.298948	1.8	2082.483
Sr	88	1	He	448.282685	0.5	5192335.547
Mo	95	1	He	0.337290	8.6	2158.173
Pd	105	1	He	0.240749	2.5	2500.243
Ag	107	1	He	0.013340	19.4	353.343
Cd	111	1	He	0.007135	26.2	38.610
Sn	118	1	He	0.035033	11.3	393.343
Sb	121	1	He	0.082014	1.9	1200.063
Ba	138	1	He	59.949680	0.6	1862477.627
Pt	195	1	He	0.006446	18.3	246.667
Hg	202	1	He	0.008335	8.1	150.333
Tl	205	1	He	0.019150	11.2	1240.070
Pb	208	1	He	0.024391	8.1	3676.877
Bi	209	1	He	0.006807	36.9	2063.530
Th	232	1	He	0.010562	27.1	1171.733
U	238	1	He	2.026186	1.3	129241.923

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.88527903	572228.877
Sc	45	2	H2	95.88486627	4722205.333
Ge	72	1	He	92.97960680	470954.447
Ge	72	2	H2	94.75116170	1616404.913
In	115	1	He	93.47453262	5527483.223
Tb	159	1	He	97.24212433	13421801.467
Ir	193	1	He	94.04241454	6801678.853

Sample Name	60398600004_B69917Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	113SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 20:54:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.355680	14.4	237.833
Be	9	2	H2	0.046791	21.1	34.000
B	11	2	H2	68.508602	0.8	32229.547
Na	23	1	He	3779.710194	0.8	4058984.733
Mg	24	1	He	4447.493196	0.7	2676303.293
Al	27	1	He	11.638076	0.8	3504.083
Si	28	2	H2	389.886592	0.3	1394300.373
K	39	1	He	434.005663	1.2	430108.327
Ca	43	1	He	26205.76564	0.8	63393.690
Ti	47	1	He	0.031080	60.7	9.333
V	51	1	He	-0.021324		-691.880
Cr	52	1	He	0.097051	10.2	3474.423
Mn	55	1	He	0.057352	21.6	695.350
Fe	56	1	He	1.659888	2.1	25196.980
Co	59	1	He	0.023652	2.6	390.010
Ni	60	1	He	0.135271	1.4	694.687
Cu	63	1	He	0.142891	7.2	1630.097
Zn	66	1	He	0.529941	4.8	1368.070
As	75	1	He	0.014919	79.3	213.333
Se	78	2	H2	0.229761	6.2	245.000
Sr	88	1	He	44.969921	0.9	542637.153
Mo	95	1	He	0.035749	1.9	257.333
Pd	105	1	He	0.023947	19.5	461.683
Ag	107	1	He	0.005064	20.3	203.333
Cd	111	1	He	0.002603	20.2	22.950
Sn	118	1	He	0.013352	30.2	201.667
Sb	121	1	He	0.008679	19.4	185.000
Ba	138	1	He	5.976314	4.9	197352.873
Pt	195	1	He	-0.000716		155.333
Hg	202	1	He	0.003904	40.3	124.333
Tl	205	1	He	0.003687	32.8	513.350
Pb	208	1	He	0.012282	13.5	2963.480
Bi	209	1	He	0.003162	97.2	1930.173
Th	232	1	He	0.004081	6.3	768.363
U	238	1	He	0.202020	3.6	13754.020

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.74154637	595985.790
Sc	45	2	H2	99.49173281	4899838.833
Ge	72	1	He	96.84528901	490534.657
Ge	72	2	H2	98.60135638	1682087.207
In	115	1	He	99.35199491	5875038.577
Tb	159	1	He	99.38420379	13717461.043
Ir	193	1	He	97.42800743	7046544.063

Sample Name	CCV
Sample Type	CCV
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	114_CCV.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 20:58:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.148730	0.6	38685.983
Be	9	2	H2	79.659823	0.3	38279.020
B	11	2	H2	81.377704	0.5	37382.860
Na	23	1	He	987.066493	1.0	1095597.743
Mg	24	1	He	989.059218	1.4	611519.940
Al	27	1	He	982.092807	1.2	297049.290
Si	28	2	H2	494.967987	0.5	1747928.877
K	39	1	He	985.297416	1.2	906450.247
Ca	43	1	He	1004.333918	2.4	2509.057
Ti	47	1	He	78.096101	0.9	21546.703
V	51	1	He	78.412974	1.2	619957.857
Cr	52	1	He	80.752352	0.9	758780.730
Mn	55	1	He	79.235831	0.8	535390.710
Fe	56	1	He	493.545398	1.1	4416393.167
Co	59	1	He	81.659108	1.0	1217844.543
Ni	60	1	He	82.083279	1.0	309001.550
Cu	63	1	He	82.717181	1.2	856624.437
Zn	66	1	He	80.384835	1.5	188607.933
As	75	1	He	78.395106	1.0	163027.757
Se	78	2	H2	79.371048	0.8	73436.473
Sr	88	1	He	79.947001	0.9	997789.360
Mo	95	1	He	75.951965	0.7	528000.960
Pd	105	1	He	81.191672	0.7	846773.633
Ag	107	1	He	41.293753	2.1	885551.733
Cd	111	1	He	78.849042	0.3	323568.877
Sn	118	1	He	75.676665	0.1	778608.763
Sb	121	1	He	76.174125	0.6	1165686.440
Ba	138	1	He	76.704166	0.9	2606808.917
Pt	195	1	He	80.831702	1.5	1126042.917
Hg	202	1	He	3.785318	1.0	25822.617
Tl	205	1	He	41.500503	2.1	2090054.240
Pb	208	1	He	80.894681	1.3	5475088.307
Bi	209	1	He	78.962472	1.7	4599915.767
Th	232	1	He	76.227993	1.2	5430383.040
U	238	1	He	77.629257	0.9	5289495.757

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.21403032	611217.770
Sc	45	2	H2	98.45749915	4848904.167
Ge	72	1	He	100.1804998	507427.957
Ge	72	2	H2	98.18048837	1674907.420
In	115	1	He	102.2589668	6046938.220
Tb	159	1	He	102.5354243	14152406.873
Ir	193	1	He	100.7862788	7289433.227

Sample Name	CCB
Sample Type	CCB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	115_CCB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 21:02:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.086819	6.3	108.833
Be	9	2	H2	0.049359	17.9	34.833
B	11	2	H2	1.368403	11.4	3261.853
Na	23	1	He	2.276362	6.8	13708.033
Mg	24	1	He	0.004502	2845.3	1461.750
Al	27	1	He	0.157350	22.9	119.000
Si	28	2	H2	-0.334725		12820.287
K	39	1	He	-2.788705		70711.870
Ca	43	1	He	2.615565	54.0	24.383
Ti	47	1	He	0.011259	32.3	4.000
V	51	1	He	0.008635	568.7	-461.853
Cr	52	1	He	0.001535	1216.9	2607.577
Mn	55	1	He	-0.008859		260.000
Fe	56	1	He	0.164256	9.4	12204.440
Co	59	1	He	0.008538	20.9	173.333
Ni	60	1	He	0.000135	2269.2	204.667
Cu	63	1	He	0.007761	45.9	279.333
Zn	66	1	He	-0.002850		161.333
As	75	1	He	-0.002381		180.000
Se	78	2	H2	0.005914	207.3	37.000
Sr	88	1	He	0.008921	62.3	243.337
Mo	95	1	He	0.011941	28.9	98.000
Pd	105	1	He	0.018149	22.1	408.343
Ag	107	1	He	0.168172	26.0	3647.190
Cd	111	1	He	0.006834	41.4	40.317
Sn	118	1	He	0.015240	6.0	223.333
Sb	121	1	He	0.005955	35.8	146.667
Ba	138	1	He	0.006458	24.8	335.010
Pt	195	1	He	0.005674	45.1	245.333
Hg	202	1	He	0.029577	18.8	298.000
Tl	205	1	He	0.050421	26.9	2835.347
Pb	208	1	He	0.005835	27.4	2580.113
Bi	209	1	He	0.005395	72.1	2130.213
Th	232	1	He	0.019833	10.0	1918.497
U	238	1	He	0.005180	35.4	821.700

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.94129699	597216.373
Sc	45	2	H2	98.37199436	4844693.167
Ge	72	1	He	97.54285356	494067.917
Ge	72	2	H2	98.13661460	1674158.957
In	115	1	He	100.7470479	5957533.047
Tb	159	1	He	100.9207630	13929543.957
Ir	193	1	He	100.9145614	7298711.350

Sample Name	4308551_B69957Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	116SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 21:05:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.078627	39.8	104.500
Be	9	2	H2	0.047928	19.9	34.000
B	11	2	H2	0.228773	29.3	2762.423
Na	23	1	He	7.900037	16.1	18833.610
Mg	24	1	He	2.918059	6.5	3073.677
Al	27	1	He	18.396664	6.9	5254.930
Si	28	2	H2	0.542173	20.0	15811.580
K	39	1	He	1.398100	372.0	70783.707
Ca	43	1	He	11.621143	17.8	44.050
Ti	47	1	He	0.074035	2.3	20.000
V	51	1	He	0.035599	123.8	-231.687
Cr	52	1	He	0.124378	8.8	3567.113
Mn	55	1	He	0.288449	6.2	2120.827
Fe	56	1	He	3.111274	9.0	36169.910
Co	59	1	He	0.006289	11.4	134.667
Ni	60	1	He	0.006160	180.0	218.000
Cu	63	1	He	0.058526	1.6	756.020
Zn	66	1	He	1.756386	8.7	3977.887
As	75	1	He	0.003896	174.0	183.667
Se	78	2	H2	0.004350	184.1	35.000
Sr	88	1	He	0.034394	26.6	525.017
Mo	95	1	He	0.010341	12.9	83.333
Pd	105	1	He	0.014013	48.1	348.343
Ag	107	1	He	0.046618	16.1	1035.047
Cd	111	1	He	0.003266	34.9	24.987
Sn	118	1	He	0.051349	3.9	565.017
Sb	121	1	He	0.009848	18.5	198.333
Ba	138	1	He	0.090191	5.9	3007.020
Pt	195	1	He	0.009995	6.7	294.670
Hg	202	1	He	0.015573	11.8	198.000
Tl	205	1	He	0.014915	17.0	1038.387
Pb	208	1	He	0.006460	34.7	2533.447
Bi	209	1	He	0.004033	81.1	1970.190
Th	232	1	He	0.008449	32.0	1070.053
U	238	1	He	0.002221	10.7	598.353

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.73674692	571313.830
Sc	45	2	H2	97.87127728	4820033.500
Ge	72	1	He	93.20789348	472110.750
Ge	72	2	H2	97.10888182	1656626.377
In	115	1	He	96.73423861	5720241.290
Tb	159	1	He	97.72610218	13488602.297
Ir	193	1	He	97.29318320	7036792.813

Sample Name	4308552_B69957Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	117SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 21:09:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.158427	0.4	48204.767
Be	9	2	H2	103.672168	0.5	48051.907
B	11	2	H2	102.554723	0.3	44771.180
Na	23	1	He	2079.492995	1.5	2184668.093
Mg	24	1	He	2061.713245	1.2	1211750.633
Al	27	1	He	2059.294303	1.4	592773.893
Si	28	2	H2	517.031016	0.5	1760632.917
K	39	1	He	2056.949205	1.3	1723747.890
Ca	43	1	He	2065.076415	2.3	4891.833
Ti	47	1	He	101.840162	2.0	26740.527
V	51	1	He	103.050006	1.4	775623.853
Cr	52	1	He	107.246821	1.7	958272.980
Mn	55	1	He	104.435226	1.5	671505.500
Fe	56	1	He	2077.156939	1.5	17657056.667
Co	59	1	He	107.098021	1.3	1537329.873
Ni	60	1	He	107.450234	1.0	389271.220
Cu	63	1	He	106.615164	1.2	1062666.503
Zn	66	1	He	108.762139	0.9	245574.213
As	75	1	He	102.201666	1.2	204507.383
Se	78	2	H2	103.128393	0.7	92796.100
Sr	88	1	He	104.638702	1.4	1256897.847
Mo	95	1	He	100.724460	2.1	670541.793
Pd	105	1	He	20.814290	1.9	208045.667
Ag	107	1	He	53.644949	1.9	1101653.630
Cd	111	1	He	103.566668	2.1	406982.690
Sn	118	1	He	99.251958	2.0	977861.030
Sb	121	1	He	101.171052	1.9	1482621.803
Ba	138	1	He	102.147473	2.4	3324288.493
Pt	195	1	He	20.783007	1.9	283786.833
Hg	202	1	He	0.014585	8.3	197.000
Tl	205	1	He	108.012537	0.9	5329792.423
Pb	208	1	He	105.670501	0.7	7007162.817
Bi	209	1	He	102.387729	1.1	5862709.080
Th	232	1	He	103.226175	0.9	7228716.560
U	238	1	He	102.036529	1.0	6834420.107

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.42933852	581741.207
Sc	45	2	H2	94.97443959	4677368.000
Ge	72	1	He	96.42063317	488383.717
Ge	72	2	H2	95.48991331	1629007.627
In	115	1	He	97.94827245	5792031.450
Tb	159	1	He	100.4665836	13866856.043
Ir	193	1	He	99.08339924	7166271.353

Sample Name	10606337001_B69957Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	118SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 21:13:15
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	105.835572	0.2	49456.787
Be	9	2	H2	0.091420	7.9	54.667
B	11	2	H2	173.647228	0.6	76166.803
Na	23	1	He	48300.33744	0.8	48965340.937
Mg	24	1	He	31324.03548	0.8	17831220.150
Al	27	1	He	9.148026	3.3	2621.567
Si	28	2	H2	9538.111925	0.2	33182541.333
K	39	1	He	6796.487957	1.0	5363658.670
Ca	43	1	He	96106.60186	0.8	219987.663
Ti	47	1	He	0.226689	15.4	58.667
V	51	1	He	1.145420	7.1	7867.827
Cr	52	1	He	0.726206	1.9	8724.610
Mn	55	1	He	295.291786	0.5	1840550.917
Fe	56	1	He	16.146069	1.1	143176.180
Co	59	1	He	0.684931	2.5	9484.440
Ni	60	1	He	2.189114	2.4	7802.770
Cu	63	1	He	9.640525	0.4	92423.293
Zn	66	1	He	81.812240	0.6	177375.893
As	75	1	He	3.578589	0.8	7043.880
Se	78	2	H2	0.218928	16.6	231.333
Sr	88	1	He	759.756918	0.6	8760552.787
Mo	95	1	He	5.805973	0.4	37636.153
Pd	105	1	He	0.406192	4.9	4157.317
Ag	107	1	He	0.194178	30.0	3970.637
Cd	111	1	He	0.256911	4.7	994.597
Sn	118	1	He	0.067074	3.5	708.360
Sb	121	1	He	0.518381	3.0	7447.047
Ba	138	1	He	11.965812	0.4	379157.170
Pt	195	1	He	0.008432	17.5	277.333
Hg	202	1	He	0.012141	13.2	177.667
Tl	205	1	He	0.052431	12.1	2872.007
Pb	208	1	He	0.112489	3.5	9474.680
Bi	209	1	He	0.015789	20.1	2593.643
Th	232	1	He	0.054750	20.3	4175.727
U	238	1	He	6.426537	0.6	416063.873

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.55906149	564058.583
Sc	45	2	H2	97.73808934	4813474.167
Ge	72	1	He	92.56398198	468849.250
Ge	72	2	H2	97.08454539	1656211.210
In	115	1	He	95.31533854	5636336.657
Tb	159	1	He	98.76889367	13632533.133
Ir	193	1	He	95.66395487	6918957.813

Sample Name	4309986_B69957Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	119SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 21:16:54
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	178.633295	0.8	86388.137
Be	9	2	H2	74.419803	1.4	36759.620
B	11	2	H2	249.762799	0.5	112232.617
Na	23	1	He	49612.21516	0.6	52609149.217
Mg	24	1	He	32655.09900	0.3	19444383.877
Al	27	1	He	1890.990420	0.4	552074.207
Si	28	2	H2	10365.42283	0.9	37338028.000
K	39	1	He	8582.673550	1.0	7066033.437
Ca	43	1	He	96728.28135	0.6	231599.140
Ti	47	1	He	79.552893	1.2	21186.860
V	51	1	He	78.058123	0.9	595769.237
Cr	52	1	He	78.502365	0.3	712142.813
Mn	55	1	He	365.604656	0.7	2383557.583
Fe	56	1	He	973.535142	0.6	8399237.167
Co	59	1	He	77.522731	0.7	1126820.167
Ni	60	1	He	79.518351	0.7	291755.167
Cu	63	1	He	86.096679	0.6	869007.873
Zn	66	1	He	156.430848	0.3	357580.333
As	75	1	He	81.125992	0.4	164420.610
Se	78	2	H2	78.302768	0.9	73951.743
Sr	88	1	He	816.149871	1.0	9926444.437
Mo	95	1	He	84.182080	0.6	566873.143
Pd	105	1	He	77.282740	0.7	780762.697
Ag	107	1	He	14.652149	3.2	304441.010
Cd	111	1	He	76.095508	0.2	302475.910
Sn	118	1	He	78.268434	0.7	779992.227
Sb	121	1	He	77.961702	0.8	1155626.077
Ba	138	1	He	88.369975	0.2	2909147.767
Pt	195	1	He	77.529881	1.2	1082978.873
Hg	202	1	He	0.011775	18.6	182.333
Tl	205	1	He	38.045905	1.3	1921311.220
Pb	208	1	He	76.102546	0.8	5164692.010
Bi	209	1	He	75.220867	0.1	4311176.397
Th	232	1	He	11.109805	0.4	779044.730
U	238	1	He	83.801782	0.5	5617579.917

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.76991831	589999.980
Sc	45	2	H2	101.2064920	4984288.500
Ge	72	1	He	97.63141582	494516.497
Ge	72	2	H2	100.2154425	1709622.667
In	115	1	He	99.05153593	5857271.363
Tb	159	1	He	102.8031665	14189361.873
Ir	193	1	He	99.15517239	7171462.393

Sample Name	4309987_B69957Dx5
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	120SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 21:20:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	22.452077	0.3	11129.747
Be	9	2	H2	0.083774	16.3	53.833
B	11	2	H2	38.061962	1.2	19813.947
Na	23	1	He	10741.47299	6.4	11189798.163
Mg	24	1	He	6941.158622	6.1	4058704.317
Al	27	1	He	4.866090	31.7	1452.410
Si	28	2	H2	1959.193188	0.6	7205339.167
K	39	1	He	1496.853388	7.1	1268050.683
Ca	43	1	He	20836.29622	6.5	48985.447
Ti	47	1	He	0.122104	23.3	32.667
V	51	1	He	0.329366	18.3	1945.713
Cr	52	1	He	0.248191	26.0	4708.107
Mn	55	1	He	63.865415	6.5	408968.443
Fe	56	1	He	4.522536	21.4	48519.170
Co	59	1	He	0.202616	28.9	2922.983
Ni	60	1	He	0.527775	10.4	2103.490
Cu	63	1	He	2.198870	7.6	22026.000
Zn	66	1	He	18.018468	6.1	40685.427
As	75	1	He	0.802946	13.6	1777.947
Se	78	2	H2	0.063688	24.7	94.667
Sr	88	1	He	161.608906	6.5	1934433.100
Mo	95	1	He	1.277353	9.6	8575.937
Pd	105	1	He	0.114897	12.1	1373.410
Ag	107	1	He	0.181739	32.0	3827.253
Cd	111	1	He	0.108883	52.1	437.467
Sn	118	1	He	0.076623	63.4	815.040
Sb	121	1	He	0.155532	34.9	2331.897
Ba	138	1	He	2.585946	8.9	84853.883
Pt	195	1	He	0.054527	86.7	891.380
Hg	202	1	He	0.008565	33.0	156.667
Tl	205	1	He	0.088209	41.3	4640.930
Pb	208	1	He	0.077398	63.1	7222.570
Bi	209	1	He	0.058901	91.0	5014.607
Th	232	1	He	0.021993	58.5	1991.853
U	238	1	He	1.417334	10.2	94615.870

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.22659143	580492.163
Sc	45	2	H2	103.1563910	5080318.500
Ge	72	1	He	96.30977010	487822.180
Ge	72	2	H2	102.8677274	1754869.250
In	115	1	He	98.87582414	5846880.897
Tb	159	1	He	100.7705814	13908815.207
Ir	193	1	He	98.66726347	7136174.063

Sample Name	4308553_B69957Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	121SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 21:24:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	203.718513	0.5	100434.790
Be	9	2	H2	97.860460	0.4	49278.990
B	11	2	H2	273.905557	0.2	125213.140
Na	23	1	He	50845.28210	0.7	54696312.520
Mg	24	1	He	33502.02675	0.8	20237012.617
Al	27	1	He	1974.361607	0.4	584757.417
Si	28	2	H2	10020.38303	0.5	36801298.667
K	39	1	He	8862.086984	0.4	7399299.473
Ca	43	1	He	99030.13953	0.4	240541.800
Ti	47	1	He	101.627616	0.6	27458.190
V	51	1	He	103.295708	1.0	799985.090
Cr	52	1	He	105.011631	0.5	965518.500
Mn	55	1	He	397.697211	0.3	2630287.250
Fe	56	1	He	2042.940021	0.5	17868665.333
Co	59	1	He	103.488603	0.5	1524843.833
Ni	60	1	He	104.990713	0.3	390429.487
Cu	63	1	He	111.474089	0.7	1140491.917
Zn	66	1	He	181.505843	0.4	420553.873
As	75	1	He	106.358018	0.6	218450.980
Se	78	2	H2	103.544216	0.5	99358.807
Sr	88	1	He	857.109197	1.6	10566767.550
Mo	95	1	He	107.980260	0.9	734279.687
Pd	105	1	He	20.418010	0.9	208466.703
Ag	107	1	He	51.818649	1.7	1086981.130
Cd	111	1	He	101.245810	1.0	406407.567
Sn	118	1	He	100.000957	1.2	1006354.880
Sb	121	1	He	100.972439	1.1	1511433.677
Ba	138	1	He	112.929959	0.8	3754245.260
Pt	195	1	He	20.275093	0.6	287614.053
Hg	202	1	He	0.014310	9.6	202.667
Tl	205	1	He	104.020097	1.6	5332029.190
Pb	208	1	He	101.157956	0.6	6968252.290
Bi	209	1	He	99.398854	0.6	5795692.413
Th	232	1	He	104.138590	0.8	7425353.220
U	238	1	He	109.423345	0.6	7462736.557

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.15574533	598537.503
Sc	45	2	H2	103.1809500	5081528.000
Ge	72	1	He	98.96931646	501293.147
Ge	72	2	H2	101.8339591	1737233.707
In	115	1	He	100.0338090	5915356.683
Tb	159	1	He	104.3559034	14403677.703
Ir	193	1	He	100.8828904	7296420.727

Sample Name	4308554_B69957Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	122SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 21:27:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	207.223333	0.2	102847.810
Be	9	2	H2	99.766436	0.4	50576.257
B	11	2	H2	279.763356	0.3	128691.223
Na	23	1	He	50612.91702	0.5	55629544.170
Mg	24	1	He	33348.66665	0.5	20582112.190
Al	27	1	He	1986.123461	0.8	601010.893
Si	28	2	H2	10179.18551	0.1	37635762.667
K	39	1	He	8802.721927	0.8	7509910.093
Ca	43	1	He	98099.37942	0.6	243457.473
Ti	47	1	He	102.842561	0.5	28389.267
V	51	1	He	103.621987	0.4	819955.893
Cr	52	1	He	105.142224	0.2	987737.500
Mn	55	1	He	397.250995	0.9	2684379.667
Fe	56	1	He	2055.229805	0.4	18366768.000
Co	59	1	He	104.744470	0.1	1567983.127
Ni	60	1	He	105.638028	0.6	399100.210
Cu	63	1	He	112.072121	0.6	1164907.873
Zn	66	1	He	182.846611	0.8	430412.803
As	75	1	He	107.024484	0.6	223325.450
Se	78	2	H2	106.626493	0.9	103012.147
Sr	88	1	He	860.909102	0.5	10783401.923
Mo	95	1	He	108.929412	0.8	756184.877
Pd	105	1	He	20.654611	1.3	215275.140
Ag	107	1	He	52.004798	1.5	1113602.353
Cd	111	1	He	101.704889	1.0	416762.877
Sn	118	1	He	100.497659	0.7	1032483.110
Sb	121	1	He	101.592359	1.1	1552439.507
Ba	138	1	He	113.244996	1.0	3843194.733
Pt	195	1	He	20.487949	0.4	296346.000
Hg	202	1	He	0.012801	3.0	196.000
Tl	205	1	He	104.541019	0.8	5463734.500
Pb	208	1	He	102.026816	0.9	7165789.943
Bi	209	1	He	99.624762	0.6	5987029.287
Th	232	1	He	104.393080	1.0	7672462.800
U	238	1	He	109.137997	0.9	7672012.180

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.26690668	611543.520
Sc	45	2	H2	103.8756891	5115743.000
Ge	72	1	He	100.5476173	509287.457
Ge	72	2	H2	102.5294206	1749097.913
In	115	1	He	102.1164361	6038509.867
Tb	159	1	He	106.4071295	14686797.280
Ir	193	1	He	103.9825053	7520602.390

Sample Name	10606337001_B69957Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	123SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 21:31:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	11.853866	0.4	5850.963
Be	9	2	H2	0.116231	3.8	69.500
B	11	2	H2	21.509356	0.4	12295.493
Na	23	1	He	5211.148101	0.1	5812377.830
Mg	24	1	He	3312.951190	0.2	2072567.577
Al	27	1	He	16.685662	2.0	5188.910
Si	28	2	H2	1001.731855	0.4	3654454.250
K	39	1	He	705.348424	0.3	679215.903
Ca	43	1	He	9913.996675	0.7	24939.763
Ti	47	1	He	0.048915	15.8	14.667
V	51	1	He	0.178227	29.1	879.607
Cr	52	1	He	0.135971	5.3	3980.550
Mn	55	1	He	30.432249	0.3	208613.563
Fe	56	1	He	3.161328	0.9	39774.537
Co	59	1	He	0.097651	3.3	1540.087
Ni	60	1	He	0.551382	2.6	2334.863
Cu	63	1	He	1.115553	1.8	12016.973
Zn	66	1	He	10.122722	1.3	24433.863
As	75	1	He	0.376841	5.7	993.870
Se	78	2	H2	0.039448	12.0	71.000
Sr	88	1	He	75.672855	0.6	965337.330
Mo	95	1	He	0.603731	2.4	4322.000
Pd	105	1	He	0.051065	18.4	776.693
Ag	107	1	He	0.209729	33.0	4722.557
Cd	111	1	He	0.047102	11.9	211.553
Sn	118	1	He	0.050221	3.6	601.687
Sb	121	1	He	0.063852	4.4	1061.717
Ba	138	1	He	1.241246	1.5	43386.273
Pt	195	1	He	0.003555	44.4	229.333
Hg	202	1	He	0.002924	70.9	127.000
Tl	205	1	He	0.045782	20.7	2761.987
Pb	208	1	He	0.034728	4.6	4773.690
Bi	209	1	He	0.019745	15.0	3083.770
Th	232	1	He	0.039127	9.3	3422.150
U	238	1	He	0.643258	0.2	46081.353

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.5518165	619459.333
Sc	45	2	H2	102.1282117	5029682.000
Ge	72	1	He	102.3914805	518626.877
Ge	72	2	H2	102.6182596	1750613.460
In	115	1	He	104.8832658	6202122.397
Tb	159	1	He	106.9556309	14762503.947
Ir	193	1	He	104.8509875	7583415.930

Sample Name	4309986_B69957Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	124SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 21:35:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	92.067112	0.4	44026.640
Be	9	2	H2	78.303729	0.6	38216.697
B	11	2	H2	98.934050	0.5	45570.693
Na	23	1	He	6973.839120	0.7	7558706.763
Mg	24	1	He	5174.303473	0.2	3146350.577
Al	27	1	He	1934.375444	0.6	576490.207
Si	28	2	H2	1951.605352	0.4	6957778.500
K	39	1	He	2631.843371	0.8	2262917.780
Ca	43	1	He	11719.94191	0.8	28660.250
Ti	47	1	He	79.996758	0.9	21747.343
V	51	1	He	79.170924	0.9	616854.803
Cr	52	1	He	80.691271	0.4	747141.620
Mn	55	1	He	110.094779	0.3	732922.417
Fe	56	1	He	994.479347	0.5	8758046.000
Co	59	1	He	81.517068	0.2	1201281.250
Ni	60	1	He	83.096961	0.5	309100.553
Cu	63	1	He	83.361691	0.1	853051.123
Zn	66	1	He	90.101810	0.2	208880.860
As	75	1	He	79.472442	0.6	163300.383
Se	78	2	H2	78.867113	0.9	74464.660
Sr	88	1	He	155.130925	0.6	1912961.273
Mo	95	1	He	80.147845	0.3	550469.583
Pd	105	1	He	81.186311	0.6	836527.123
Ag	107	1	He	15.649647	2.4	331608.543
Cd	111	1	He	79.601092	0.4	322721.060
Sn	118	1	He	79.164254	0.3	804668.007
Sb	121	1	He	78.208654	0.4	1182420.060
Ba	138	1	He	79.336950	0.3	2663886.003
Pt	195	1	He	81.598159	0.3	1153691.667
Hg	202	1	He	0.002848	133.6	123.000
Tl	205	1	He	40.363316	0.3	2063240.127
Pb	208	1	He	80.935712	0.3	5559581.403
Bi	209	1	He	78.588269	0.8	4681512.323
Th	232	1	He	11.660715	0.3	849907.540
U	238	1	He	78.554456	0.2	5473545.123

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.76297100	602278.377
Sc	45	2	H2	99.99773259	4924758.667
Ge	72	1	He	98.98126282	501353.657
Ge	72	2	H2	100.1870323	1709138.003
In	115	1	He	101.0268808	5974080.567
Tb	159	1	He	104.0570134	14362423.540
Ir	193	1	He	103.0644325	7454202.177

Sample Name	4309987_B69957Dx50
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	125SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 21:38:52
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.408828	0.7	1248.550
Be	9	2	H2	0.079518	10.2	51.333
B	11	2	H2	4.084201	1.9	4600.033
Na	23	1	He	988.179989	4.8	1095254.880
Mg	24	1	He	634.756821	4.4	392485.370
Al	27	1	He	2.693682	0.5	888.697
Si	28	2	H2	186.571984	0.3	694312.293
K	39	1	He	132.043885	6.9	185959.920
Ca	43	1	He	1876.922438	5.4	4666.183
Ti	47	1	He	0.025612	41.0	8.000
V	51	1	He	0.095553	34.2	221.943
Cr	52	1	He	0.053230	39.8	3147.017
Mn	55	1	He	5.829347	3.6	39650.153
Fe	56	1	He	0.682854	11.3	17103.353
Co	59	1	He	0.029385	9.8	494.677
Ni	60	1	He	0.117540	2.3	659.353
Cu	63	1	He	0.230656	0.8	2623.580
Zn	66	1	He	1.810315	3.1	4463.367
As	75	1	He	0.075886	9.3	351.333
Se	78	2	H2	0.009107	32.4	41.667
Sr	88	1	He	14.392243	3.4	181637.713
Mo	95	1	He	0.121831	8.4	876.030
Pd	105	1	He	0.030404	15.9	551.683
Ag	107	1	He	0.175123	35.9	3905.617
Cd	111	1	He	0.019379	16.3	93.843
Sn	118	1	He	0.025861	5.8	341.677
Sb	121	1	He	0.018196	5.3	341.677
Ba	138	1	He	0.263653	3.8	9223.157
Pt	195	1	He	0.005019	67.1	246.667
Hg	202	1	He	-0.000189		103.333
Tl	205	1	He	0.066898	28.9	3802.263
Pb	208	1	He	0.014371	13.8	3291.843
Bi	209	1	He	0.013593	22.1	2686.993
Th	232	1	He	0.011823	7.7	1388.420
U	238	1	He	0.127052	7.9	9396.823

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.19580644	611105.500
Sc	45	2	H2	102.3994574	5043040.500
Ge	72	1	He	101.3012987	513104.957
Ge	72	2	H2	102.6672841	1751449.793
In	115	1	He	103.9443133	6146598.780
Tb	159	1	He	105.5877705	14573705.613
Ir	193	1	He	103.9883987	7521028.637

Sample Name	CCV
Sample Type	CCV
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	126_CCV.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 21:42:32
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	83.719645	0.5	40233.647
Be	9	2	H2	81.101073	0.6	39771.347
B	11	2	H2	80.087944	0.3	37588.870
Na	23	1	He	1010.414340	1.4	1123912.847
Mg	24	1	He	995.172633	1.1	616783.077
Al	27	1	He	980.664072	1.3	297334.000
Si	28	2	H2	498.047360	0.3	1794815.837
K	39	1	He	987.147797	1.2	910230.067
Ca	43	1	He	1020.997445	0.8	2556.880
Ti	47	1	He	78.868967	1.4	21811.437
V	51	1	He	78.787752	0.9	624470.503
Cr	52	1	He	81.807050	1.3	770505.440
Mn	55	1	He	79.942452	1.2	541463.060
Fe	56	1	He	500.626796	1.0	4490600.667
Co	59	1	He	82.300251	1.1	1239767.337
Ni	60	1	He	83.066912	0.9	315853.033
Cu	63	1	He	83.692103	0.3	875481.727
Zn	66	1	He	81.224099	0.5	192505.987
As	75	1	He	78.644755	0.8	165192.713
Se	78	2	H2	80.707717	0.9	76394.693
Sr	88	1	He	80.229699	0.4	1011404.307
Mo	95	1	He	77.049203	0.7	541046.330
Pd	105	1	He	82.657890	0.3	870792.907
Ag	107	1	He	42.017666	1.7	910141.730
Cd	111	1	He	79.636419	0.8	330098.647
Sn	118	1	He	76.756897	0.4	797698.113
Sb	121	1	He	77.159880	1.0	1192709.773
Ba	138	1	He	77.285508	0.7	2653149.333
Pt	195	1	He	82.416194	1.1	1173749.753
Hg	202	1	He	3.892879	1.3	27145.560
Tl	205	1	He	42.074706	2.4	2166212.210
Pb	208	1	He	82.132546	1.6	5682772.233
Bi	209	1	He	78.609844	1.2	4761722.220
Th	232	1	He	76.139104	0.6	5640172.627
U	238	1	He	77.302988	0.8	5477159.290

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.45492305	612701.813
Sc	45	2	H2	100.4786454	4948443.000
Ge	72	1	He	101.1843865	512512.780
Ge	72	2	H2	100.4473492	1713578.873
In	115	1	He	103.2935939	6108119.417
Tb	159	1	He	104.8234228	14468206.867
Ir	193	1	He	104.8040816	7580023.430

Sample Name	CCB
Sample Type	CCB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	127_CCB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 21:46:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.200355	10.7	166.333
Be	9	2	H2	0.089208	15.8	55.333
B	11	2	H2	0.312711	18.2	2884.777
Na	23	1	He	3.624131	7.7	15302.917
Mg	24	1	He	-0.191556		1356.740
Al	27	1	He	0.335672	16.4	173.333
Si	28	2	H2	0.051923	365.3	14540.520
K	39	1	He	-0.509362		73305.927
Ca	43	1	He	0.437894	216.9	19.283
Ti	47	1	He	0.011133	99.2	4.000
V	51	1	He	0.010990	558.3	-448.313
Cr	52	1	He	0.009742	144.1	2708.923
Mn	55	1	He	0.008667	31.8	379.343
Fe	56	1	He	0.221000	6.5	12824.297
Co	59	1	He	0.020090	24.7	348.007
Ni	60	1	He	0.004573	147.6	225.333
Cu	63	1	He	0.021678	20.7	428.010
Zn	66	1	He	0.016477	98.2	209.333
As	75	1	He	-0.000939		186.500
Se	78	2	H2	0.022950	50.8	54.000
Sr	88	1	He	0.020750	33.1	395.013
Mo	95	1	He	0.021330	10.9	164.667
Pd	105	1	He	0.022380	12.5	458.343
Ag	107	1	He	0.171504	24.3	3778.893
Cd	111	1	He	0.019827	23.6	94.303
Sn	118	1	He	0.023827	20.7	315.010
Sb	121	1	He	0.013652	23.4	266.670
Ba	138	1	He	0.013953	26.0	595.020
Pt	195	1	He	0.011029	23.4	328.673
Hg	202	1	He	0.022370	13.2	257.333
Tl	205	1	He	0.060693	22.4	3443.817
Pb	208	1	He	0.012277	26.3	3101.837
Bi	209	1	He	0.013532	17.9	2680.333
Th	232	1	He	0.026362	11.0	2453.583
U	238	1	He	0.012121	17.4	1333.413

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.89178317	603071.937
Sc	45	2	H2	100.9069917	4969538.500
Ge	72	1	He	99.43740975	503664.103
Ge	72	2	H2	100.6460365	1716968.373
In	115	1	He	102.2605790	6047033.550
Tb	159	1	He	103.9754186	14351161.453
Ir	193	1	He	103.7916151	7506796.137

Sample Name	10606337002_B69957Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	128SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 21:49:52
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	161.722899	42.0	59406.300
Be	9	2	H2	0.096097	60.9	44.000
B	11	2	H2	252.601466	43.1	86171.620
Na	23	1	He	50613.50840	0.8	53102535.877
Mg	24	1	He	33716.66766	0.5	19863881.367
Al	27	1	He	22.198323	1.4	6482.083
Si	28	2	H2	12556.56728	42.3	34321993.333
K	39	1	He	7047.287489	0.6	5753379.910
Ca	43	1	He	98766.48425	1.1	233973.450
Ti	47	1	He	0.369650	9.1	98.333
V	51	1	He	1.275350	5.6	9122.177
Cr	52	1	He	0.994706	0.9	11431.140
Mn	55	1	He	249.384652	0.7	1608753.413
Fe	56	1	He	17.327637	1.1	158253.087
Co	59	1	He	0.571008	2.9	8176.973
Ni	60	1	He	2.063373	1.3	7610.663
Cu	63	1	He	8.305520	0.2	82298.393
Zn	66	1	He	46.828548	0.9	104969.550
As	75	1	He	3.971619	1.5	8056.573
Se	78	2	H2	0.330081	35.5	264.333
Sr	88	1	He	782.979245	1.0	9327862.153
Mo	95	1	He	6.027903	0.2	40229.947
Pd	105	1	He	0.420711	1.7	4425.740
Ag	107	1	He	0.057650	11.6	1281.737
Cd	111	1	He	0.164049	6.2	658.440
Sn	118	1	He	0.061412	2.4	673.353
Sb	121	1	He	0.533583	1.7	7890.607
Ba	138	1	He	12.010763	1.3	391791.857
Pt	195	1	He	0.007681	79.5	277.337
Hg	202	1	He	0.018641	13.4	228.667
Tl	205	1	He	0.036995	16.3	2206.880
Pb	208	1	He	0.131122	2.7	11108.507
Bi	209	1	He	0.008704	36.2	2296.903
Th	232	1	He	0.026484	18.0	2363.570
U	238	1	He	7.162447	1.5	483760.773

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.75667470	583757.793
Sc	45	2	H2	84.75551572	4174099.250
Ge	72	1	He	95.63841938	484421.697
Ge	72	2	H2	83.23621456	1419965.980
In	115	1	He	98.13312040	5802962.170
Tb	159	1	He	102.6305613	14165538.123
Ir	193	1	He	99.83494795	7220627.603

Sample Name	10606337002_B69957Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	129SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 21:53:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	13.279994	1.1	6351.497
Be	9	2	H2	0.075086	18.8	47.500
B	11	2	H2	20.413365	1.8	11458.830
Na	23	1	He	5229.706257	0.9	5773858.247
Mg	24	1	He	3478.986970	1.1	2154260.020
Al	27	1	He	7.154807	2.5	2244.840
Si	28	2	H2	974.419824	0.7	3449431.833
K	39	1	He	715.242803	1.1	680704.363
Ca	43	1	He	9985.860222	1.3	24864.970
Ti	47	1	He	0.054243	17.7	16.000
V	51	1	He	0.129327	54.4	482.027
Cr	52	1	He	0.141036	2.3	3987.887
Mn	55	1	He	25.131085	0.5	170583.827
Fe	56	1	He	2.302651	1.0	31680.243
Co	59	1	He	0.075264	5.0	1185.387
Ni	60	1	He	0.443278	1.4	1896.793
Cu	63	1	He	0.909470	0.7	9722.583
Zn	66	1	He	5.306415	0.7	12742.273
As	75	1	He	0.380415	1.9	990.203
Se	78	2	H2	0.030853	28.0	60.333
Sr	88	1	He	76.436012	0.5	963826.367
Mo	95	1	He	0.583601	2.7	4151.287
Pd	105	1	He	0.053585	17.4	798.363
Ag	107	1	He	0.032745	18.6	818.363
Cd	111	1	He	0.026724	10.2	124.920
Sn	118	1	He	0.019120	10.3	271.670
Sb	121	1	He	0.054033	6.6	901.703
Ba	138	1	He	1.187339	0.8	41246.453
Pt	195	1	He	0.000129	1066.3	178.667
Hg	202	1	He	0.005306	59.7	143.333
Tl	205	1	He	0.012014	16.7	985.043
Pb	208	1	He	0.022114	5.5	3866.903
Bi	209	1	He	0.005004	44.3	2186.883
Th	232	1	He	0.009956	6.4	1260.073
U	238	1	He	0.704587	0.9	50342.290

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.53197185	613176.480
Sc	45	2	H2	99.09297781	4880200.667
Ge	72	1	He	101.2102969	512644.020
Ge	72	2	H2	98.95193169	1688067.837
In	115	1	He	104.2114345	6162394.610
Tb	159	1	He	106.5037850	14700138.113
Ir	193	1	He	104.6663653	7570063.013

Sample Name	10606337003_B69957Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	130SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 21:57:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	102.605224	0.4	49028.897
Be	9	2	H2	0.062570	9.1	41.833
B	11	2	H2	169.801067	0.5	76217.003
Na	23	1	He	48433.85587	0.8	49721960.923
Mg	24	1	He	30761.59230	0.9	17732402.653
Al	27	1	He	12.748346	0.7	3672.120
Si	28	2	H2	9300.258243	0.4	33083314.000
K	39	1	He	6777.156974	0.6	5416436.797
Ca	43	1	He	95699.92669	0.4	221837.980
Ti	47	1	He	0.253029	39.8	66.000
V	51	1	He	1.134284	2.9	7885.393
Cr	52	1	He	0.570276	1.8	7470.580
Mn	55	1	He	347.493758	0.2	2193381.417
Fe	56	1	He	26.526713	0.5	231593.867
Co	59	1	He	0.782784	1.2	10911.427
Ni	60	1	He	2.079316	0.9	7475.263
Cu	63	1	He	14.935548	0.5	144131.613
Zn	66	1	He	142.914098	0.6	311977.363
As	75	1	He	3.619623	0.8	7174.113
Se	78	2	H2	0.207757	7.2	224.333
Sr	88	1	He	748.695936	1.1	8695042.163
Mo	95	1	He	5.792523	1.8	37705.063
Pd	105	1	He	0.378440	2.0	3903.903
Ag	107	1	He	0.017495	12.9	445.010
Cd	111	1	He	0.439245	3.1	1699.653
Sn	118	1	He	0.042519	9.9	475.013
Sb	121	1	He	0.483571	1.8	6981.783
Ba	138	1	He	12.037429	0.5	383089.733
Pt	195	1	He	0.005545	16.6	240.000
Hg	202	1	He	0.011433	25.3	174.000
Tl	205	1	He	0.023600	7.5	1486.767
Pb	208	1	He	0.161740	1.5	12775.750
Bi	209	1	He	0.008497	50.6	2213.557
Th	232	1	He	0.012254	8.6	1320.077
U	238	1	He	5.810154	1.2	380061.910

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.72115428	571217.770
Sc	45	2	H2	99.93722338	4921778.667
Ge	72	1	He	93.23692922	472257.820
Ge	72	2	H2	98.58498503	1681807.920
In	115	1	He	95.72830072	5660756.587
Tb	159	1	He	99.45826974	13727683.963
Ir	193	1	He	96.64924675	6990219.690

Sample Name	10606337003_B69957Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	131SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 22:00:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	11.098202	0.9	5613.877
Be	9	2	H2	0.060771	23.2	42.833
B	11	2	H2	18.017498	1.0	11009.340
Na	23	1	He	5024.558751	0.8	5588727.210
Mg	24	1	He	3181.200478	1.1	1984510.593
Al	27	1	He	3.694654	4.7	1204.053
Si	28	2	H2	955.253276	0.3	3569299.333
K	39	1	He	693.329185	0.4	667036.553
Ca	43	1	He	9815.956830	0.3	24623.310
Ti	47	1	He	0.038274	10.7	11.667
V	51	1	He	0.145624	26.3	617.620
Cr	52	1	He	0.110245	3.5	3725.817
Mn	55	1	He	35.445242	0.2	242235.313
Fe	56	1	He	3.185409	0.3	39878.133
Co	59	1	He	0.090004	2.6	1418.740
Ni	60	1	He	0.406077	1.1	1769.447
Cu	63	1	He	1.598127	0.6	17062.667
Zn	66	1	He	15.246138	0.4	36576.553
As	75	1	He	0.354192	2.3	942.530
Se	78	2	H2	0.034497	52.2	67.667
Sr	88	1	He	73.921500	0.6	939587.070
Mo	95	1	He	0.568031	1.0	4053.920
Pd	105	1	He	0.045815	12.7	718.357
Ag	107	1	He	0.011507	5.9	355.010
Cd	111	1	He	0.049421	4.5	220.603
Sn	118	1	He	0.015390	25.6	233.337
Sb	121	1	He	0.053428	5.0	895.037
Ba	138	1	He	1.209909	0.7	42160.903
Pt	195	1	He	0.000388	360.6	180.667
Hg	202	1	He	0.002711	39.0	123.667
Tl	205	1	He	0.005830	19.5	655.023
Pb	208	1	He	0.024060	13.3	3963.587
Bi	209	1	He	0.002500	74.4	2003.527
Th	232	1	He	0.004678	25.3	856.703
U	238	1	He	0.580838	1.4	40931.013

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.2665661	617702.020
Sc	45	2	H2	104.5808075	5150469.167
Ge	72	1	He	102.0203356	516746.977
Ge	72	2	H2	105.0576301	1792227.837
In	115	1	He	104.5442535	6182075.390
Tb	159	1	He	105.4293778	14551843.530
Ir	193	1	He	103.0306300	7451757.390

Sample Name	10606337004_B69957Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	132SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 22:04:29
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	105.814580	0.6	53184.330
Be	9	2	H2	0.042409	25.1	33.667
B	11	2	H2	172.808424	0.1	81543.083
Na	23	1	He	48824.37298	0.9	53010304.210
Mg	24	1	He	31698.51432	1.0	19325350.960
Al	27	1	He	9.784590	1.6	2997.640
Si	28	2	H2	9279.632629	0.4	34723810.667
K	39	1	He	6860.769347	0.4	5798403.453
Ca	43	1	He	95418.71948	0.1	233930.027
Ti	47	1	He	0.336189	10.6	92.667
V	51	1	He	1.069882	29.2	7830.090
Cr	52	1	He	0.521545	0.9	7450.580
Mn	55	1	He	261.735991	0.3	1747290.330
Fe	56	1	He	14.384634	0.2	137810.790
Co	59	1	He	0.598108	3.4	8890.060
Ni	60	1	He	1.972454	2.4	7561.977
Cu	63	1	He	9.320179	1.2	95847.103
Zn	66	1	He	68.751465	0.1	159906.200
As	75	1	He	3.640552	0.4	7682.707
Se	78	2	H2	0.225333	8.7	253.667
Sr	88	1	He	747.855302	0.2	9249134.237
Mo	95	1	He	5.847542	1.0	39854.867
Pd	105	1	He	0.398163	1.8	4289.020
Ag	107	1	He	0.008636	12.2	280.003
Cd	111	1	He	0.216036	3.2	881.523
Sn	118	1	He	0.038506	3.6	456.677
Sb	121	1	He	0.516810	2.9	7807.237
Ba	138	1	He	11.569433	0.4	385450.983
Pt	195	1	He	0.004014	11.0	228.667
Hg	202	1	He	0.009179	5.0	166.000
Tl	205	1	He	0.016918	6.6	1208.400
Pb	208	1	He	0.090220	3.0	8421.063
Bi	209	1	He	0.000864	331.4	1863.500
Th	232	1	He	0.007307	2.9	1025.050
U	238	1	He	6.244573	1.0	426117.897

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	98.06045943	604111.083
Sc	45	2	H2	105.1252483	5177282.167
Ge	72	1	He	99.27916132	502862.553
Ge	72	2	H2	103.8927540	1772355.663
In	115	1	He	100.2159913	5926129.777
Tb	159	1	He	103.6285298	14303282.287
Ir	193	1	He	100.8455362	7293719.057

Sample Name	10606337004_B69957Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	133SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 22:08:09
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	11.365189	0.5	5910.320
Be	9	2	H2	0.044751	8.9	35.667
B	11	2	H2	18.776804	1.0	11674.840
Na	23	1	He	5030.188419	0.5	5784989.080
Mg	24	1	He	3274.212044	0.4	2111875.180
Al	27	1	He	4.772961	0.4	1585.757
Si	28	2	H2	950.875692	0.1	3653795.167
K	39	1	He	695.842983	0.2	691914.027
Ca	43	1	He	9647.696681	0.2	25023.553
Ti	47	1	He	0.056509	18.0	17.333
V	51	1	He	0.199786	8.9	1087.153
Cr	52	1	He	0.139086	5.1	4134.593
Mn	55	1	He	26.354843	0.3	186314.463
Fe	56	1	He	2.187198	3.7	31924.083
Co	59	1	He	0.072025	3.7	1178.720
Ni	60	1	He	0.421906	5.5	1882.793
Cu	63	1	He	1.028286	1.0	11372.467
Zn	66	1	He	7.591014	3.4	18828.220
As	75	1	He	0.363138	5.5	989.203
Se	78	2	H2	0.021656	48.6	56.333
Sr	88	1	He	74.184358	0.8	970177.460
Mo	95	1	He	0.569521	3.7	4151.947
Pd	105	1	He	0.036434	11.6	631.687
Ag	107	1	He	0.005210	22.1	221.670
Cd	111	1	He	0.028790	7.0	136.917
Sn	118	1	He	0.013991	21.9	223.333
Sb	121	1	He	0.051292	8.6	880.033
Ba	138	1	He	1.161870	0.3	41363.407
Pt	195	1	He	0.000702	72.7	189.333
Hg	202	1	He	0.004790	34.3	141.333
Tl	205	1	He	0.004426	25.4	595.023
Pb	208	1	He	0.016857	10.1	3540.207
Bi	209	1	He	0.002520	32.0	2050.193
Th	232	1	He	0.003872	19.3	815.030
U	238	1	He	0.609869	0.5	43934.180

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.6727418	638686.100
Sc	45	2	H2	107.5460328	5296502.667
Ge	72	1	He	104.9667192	531670.813
Ge	72	2	H2	107.5229805	1834285.417
In	115	1	He	106.7943314	6315130.540
Tb	159	1	He	107.7760978	14875748.530
Ir	193	1	He	105.3737014	7621221.553

Sample Name	10606337005_B69957Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	134SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 22:11:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.770532	0.4	51372.610
Be	9	2	H2	0.048399	13.8	35.167
B	11	2	H2	174.829964	0.5	78941.083
Na	23	1	He	51456.04857	0.9	54736144.187
Mg	24	1	He	32466.67287	0.9	19393080.130
Al	27	1	He	9.635191	0.5	2893.283
Si	28	2	H2	9805.724541	0.4	35124530.667
K	39	1	He	7121.281123	0.8	5893671.373
Ca	43	1	He	104078.5111	0.4	249979.237
Ti	47	1	He	0.213647	12.8	58.000
V	51	1	He	1.154822	8.5	8326.213
Cr	52	1	He	0.732504	2.2	9211.580
Mn	55	1	He	523.275101	0.5	3422080.167
Fe	56	1	He	47.685360	0.2	422848.290
Co	59	1	He	1.191029	0.4	17292.913
Ni	60	1	He	2.532843	2.2	9453.087
Cu	63	1	He	23.741431	0.3	238844.150
Zn	66	1	He	240.020264	0.5	546443.227
As	75	1	He	4.226918	0.2	8708.117
Se	78	2	H2	0.243824	3.5	260.000
Sr	88	1	He	800.987053	0.4	9703993.187
Mo	95	1	He	6.312719	0.8	42217.647
Pd	105	1	He	0.425117	1.3	4479.087
Ag	107	1	He	0.006545	18.4	231.670
Cd	111	1	He	0.690603	2.4	2737.677
Sn	118	1	He	0.043708	28.0	500.023
Sb	121	1	He	0.508096	1.5	7532.097
Ba	138	1	He	13.451290	0.5	439727.883
Pt	195	1	He	0.005524	70.2	244.667
Hg	202	1	He	0.011170	14.5	176.000
Tl	205	1	He	0.018401	10.1	1256.733
Pb	208	1	He	0.305231	2.5	22645.963
Bi	209	1	He	0.001691	119.2	1870.163
Th	232	1	He	0.008049	24.2	1053.387
U	238	1	He	7.335043	1.2	489212.090

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.06796783	591836.143
Sc	45	2	H2	100.6356512	4956175.333
Ge	72	1	He	97.25098452	492589.560
Ge	72	2	H2	99.36132768	1695051.917
In	115	1	He	98.33719020	5815029.547
Tb	159	1	He	101.4987549	14009321.040
Ir	193	1	He	98.57553709	7129539.893

Sample Name	10606337005_B69957Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	135SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 22:15:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	11.266252	1.0	5770.597
Be	9	2	H2	0.029039	18.2	27.000
B	11	2	H2	18.600973	1.3	11416.803
Na	23	1	He	5450.808576	4.6	5934015.537
Mg	24	1	He	3444.633592	4.6	2103381.217
Al	27	1	He	11.369496	5.9	3474.407
Si	28	2	H2	1003.164065	0.6	3795325.000
K	39	1	He	748.568861	5.2	699095.877
Ca	43	1	He	10833.78163	5.0	26598.080
Ti	47	1	He	0.076540	17.7	22.000
V	51	1	He	0.127877	72.9	444.933
Cr	52	1	He	0.136162	4.2	3891.193
Mn	55	1	He	54.703793	4.8	365761.560
Fe	56	1	He	6.931428	8.5	72060.060
Co	59	1	He	0.130170	3.6	1974.810
Ni	60	1	He	0.293656	7.0	1302.730
Cu	63	1	He	2.616396	5.6	27047.057
Zn	66	1	He	75.916437	4.1	176580.353
As	75	1	He	0.426519	4.7	1066.373
Se	78	2	H2	0.018800	38.8	52.667
Sr	88	1	He	80.944284	5.3	1001067.747
Mo	95	1	He	0.637516	7.2	4397.360
Pd	105	1	He	0.043431	14.5	670.023
Ag	107	1	He	0.006759	50.8	241.670
Cd	111	1	He	0.076159	10.5	321.543
Sn	118	1	He	0.026078	4.3	335.010
Sb	121	1	He	0.060720	3.4	976.713
Ba	138	1	He	1.410857	3.7	47561.480
Pt	195	1	He	0.000604	109.8	178.000
Hg	202	1	He	0.002070	22.8	115.667
Tl	205	1	He	0.002888	49.8	485.013
Pb	208	1	He	0.048548	9.1	5485.467
Bi	209	1	He	0.002501	123.6	1956.853
Th	232	1	He	0.000750	72.9	556.683
U	238	1	He	0.740698	4.1	50790.727

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	98.28454102	605491.560
Sc	45	2	H2	105.9140474	5216129.500
Ge	72	1	He	99.39684421	503458.633
Ge	72	2	H2	105.9161168	1806873.167
In	115	1	He	101.2821816	5989177.420
Tb	159	1	He	102.2050030	14106800.620
Ir	193	1	He	100.5667479	7273555.517

Sample Name	10606337006_B69957Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	136SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 22:19:07
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	109.636148	1.7	55261.207
Be	9	2	H2	0.036726	8.9	30.833
B	11	2	H2	176.518407	0.9	83478.110
Na	23	1	He	51191.20188	0.2	55066909.180
Mg	24	1	He	32916.90227	0.3	19883090.537
Al	27	1	He	14.846195	3.0	4469.343
Si	28	2	H2	9513.814449	1.0	35704238.667
K	39	1	He	7072.846626	0.2	5920017.827
Ca	43	1	He	99580.53113	0.5	241873.497
Ti	47	1	He	0.294866	20.9	80.667
V	51	1	He	1.186561	8.3	8663.493
Cr	52	1	He	1.008098	2.2	11843.473
Mn	55	1	He	319.324568	0.4	2111958.000
Fe	56	1	He	19.173637	0.5	178395.730
Co	59	1	He	0.744527	0.5	10920.770
Ni	60	1	He	2.369920	0.3	8934.757
Cu	63	1	He	10.680149	0.9	108466.893
Zn	66	1	He	79.037086	0.5	181583.777
As	75	1	He	4.005848	1.6	8332.233
Se	78	2	H2	0.239975	3.8	268.667
Sr	88	1	He	782.740607	0.7	9563432.360
Mo	95	1	He	6.316380	1.8	42422.910
Pd	105	1	He	0.390913	5.2	4153.983
Ag	107	1	He	0.004488	25.1	190.000
Cd	111	1	He	0.246229	3.7	988.400
Sn	118	1	He	0.024406	10.6	310.010
Sb	121	1	He	0.519225	3.2	7728.853
Ba	138	1	He	12.518318	0.6	410984.240
Pt	195	1	He	0.007201	23.3	269.333
Hg	202	1	He	0.009217	4.5	163.667
Tl	205	1	He	0.014512	9.7	1068.387
Pb	208	1	He	0.132165	3.4	11108.517
Bi	209	1	He	0.004180	11.1	2026.857
Th	232	1	He	0.006265	23.7	936.710
U	238	1	He	7.615501	1.2	511432.607

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.15160882	598512.020
Sc	45	2	H2	105.4421974	5192891.500
Ge	72	1	He	98.08048100	496791.073
Ge	72	2	H2	104.1273452	1776357.667
In	115	1	He	98.75759638	5839889.667
Tb	159	1	He	101.9983973	14078283.957
Ir	193	1	He	99.25719645	7178841.350

Sample Name	10606337006_B69957Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	137SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 22:22:47
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	11.651332	0.5	5983.017
Be	9	2	H2	0.028239	14.7	26.667
B	11	2	H2	19.119657	0.9	11689.177
Na	23	1	He	5309.247962	1.1	5945685.747
Mg	24	1	He	3412.492445	0.8	2143431.167
Al	27	1	He	3.465279	3.4	1142.043
Si	28	2	H2	969.539557	0.3	3679521.500
K	39	1	He	718.937060	1.3	693637.047
Ca	43	1	He	10100.77405	0.9	25512.417
Ti	47	1	He	0.046325	8.8	14.000
V	51	1	He	0.156226	54.1	708.560
Cr	52	1	He	0.146824	5.1	4100.583
Mn	55	1	He	32.398534	1.9	222954.857
Fe	56	1	He	2.376908	0.9	32811.390
Co	59	1	He	0.077830	3.3	1238.057
Ni	60	1	He	0.247965	10.5	1168.050
Cu	63	1	He	1.121418	1.8	12079.027
Zn	66	1	He	8.139639	1.4	19679.973
As	75	1	He	0.390390	1.7	1022.873
Se	78	2	H2	0.024010	47.2	58.000
Sr	88	1	He	77.168523	1.4	984412.483
Mo	95	1	He	0.615916	1.6	4365.347
Pd	105	1	He	0.045980	9.2	715.023
Ag	107	1	He	0.003515	61.3	178.333
Cd	111	1	He	0.025059	5.3	117.550
Sn	118	1	He	0.016469	15.1	243.333
Sb	121	1	He	0.056665	7.8	940.043
Ba	138	1	He	1.273189	0.4	44066.733
Pt	195	1	He	0.000542	196.5	182.667
Hg	202	1	He	0.001830	140.6	117.333
Tl	205	1	He	0.002298	51.3	471.680
Pb	208	1	He	0.015607	10.1	3371.857
Bi	209	1	He	-0.000735		1803.497
Th	232	1	He	0.001258	50.2	605.020
U	238	1	He	0.750863	3.0	52664.833

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.9643847	622001.000
Sc	45	2	H2	106.2268373	5231534.000
Ge	72	1	He	102.3998317	518669.177
Ge	72	2	H2	106.2184635	1812031.043
In	115	1	He	103.8585435	6141526.907
Tb	159	1	He	105.3089614	14535223.113
Ir	193	1	He	102.8168803	7436297.803

Sample Name	CCV
Sample Type	CCV
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	138_CCV.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 22:26:26
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	81.480106	2.2	40858.137
Be	9	2	H2	79.110120	2.1	40478.873
B	11	2	H2	79.021638	3.1	38731.070
Na	23	1	He	1011.745382	0.8	1176748.757
Mg	24	1	He	995.870090	0.2	645417.607
Al	27	1	He	978.248825	0.8	310155.720
Si	28	2	H2	493.011705	2.6	1853790.043
K	39	1	He	989.992964	1.1	954276.653
Ca	43	1	He	983.400712	2.0	2575.897
Ti	47	1	He	78.177577	0.6	22607.627
V	51	1	He	78.478761	0.5	650419.243
Cr	52	1	He	81.264307	0.7	800374.523
Mn	55	1	He	79.565296	0.9	563500.477
Fe	56	1	He	498.185276	0.8	4672585.833
Co	59	1	He	82.881304	0.6	1287509.627
Ni	60	1	He	83.525714	1.1	327516.160
Cu	63	1	He	84.116194	0.8	907371.250
Zn	66	1	He	81.682746	0.3	199633.717
As	75	1	He	79.017825	0.3	171158.187
Se	78	2	H2	80.508251	1.5	79725.567
Sr	88	1	He	80.133946	1.3	1041738.500
Mo	95	1	He	77.233836	1.8	559474.020
Pd	105	1	He	81.733740	1.6	888260.663
Ag	107	1	He	41.707961	2.7	931965.220
Cd	111	1	He	79.630529	1.3	340513.797
Sn	118	1	He	76.740817	1.5	822725.533
Sb	121	1	He	76.676319	1.2	1222733.837
Ba	138	1	He	77.115821	1.2	2731066.730
Pt	195	1	He	81.939180	1.0	1193989.333
Hg	202	1	He	3.795356	2.9	27079.093
Tl	205	1	He	41.573375	2.1	2190053.300
Pb	208	1	He	81.303547	1.3	5755776.763
Bi	209	1	He	78.743697	1.2	4833965.657
Th	232	1	He	75.991311	1.1	5704788.663
U	238	1	He	77.087272	1.0	5535200.543

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.9915934	640650.417
Sc	45	2	H2	104.8701079	5164716.833
Ge	72	1	He	104.3404031	528498.437
Ge	72	2	H2	105.1011983	1792971.087
In	115	1	He	106.5661885	6301639.630
Tb	159	1	He	107.2461861	14802607.697
Ir	193	1	He	106.2146777	7682045.717

Sample Name	CCB
Sample Type	CCB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	139_CCB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 22:30:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.156752	11.9	152.000
Be	9	2	H2	0.049585	51.8	37.500
B	11	2	H2	-0.001262		2874.273
Na	23	1	He	5.926018	5.6	18558.263
Mg	24	1	He	0.163559	46.2	1640.107
Al	27	1	He	0.230033	31.2	148.000
Si	28	2	H2	-0.233514		14138.817
K	39	1	He	-1.133510		75905.540
Ca	43	1	He	-0.588178		17.517
Ti	47	1	He	0.011697	17.3	4.333
V	51	1	He	0.031196	178.5	-302.790
Cr	52	1	He	-0.004944		2683.587
Mn	55	1	He	0.012657	1.9	423.343
Fe	56	1	He	0.094929	5.1	12215.777
Co	59	1	He	0.008476	16.0	181.333
Ni	60	1	He	-0.000855		211.333
Cu	63	1	He	0.011502	7.8	333.340
Zn	66	1	He	0.007568	131.3	194.667
As	75	1	He	-0.005232		183.167
Se	78	2	H2	0.005548	109.2	39.000
Sr	88	1	He	0.019161	9.2	386.677
Mo	95	1	He	0.013580	15.6	114.000
Pd	105	1	He	0.013693	34.8	378.343
Ag	107	1	He	0.179006	24.9	4052.310
Cd	111	1	He	0.006235	22.5	39.647
Sn	118	1	He	0.009275	32.4	170.000
Sb	121	1	He	0.005010	25.9	138.333
Ba	138	1	He	0.004307	23.7	275.007
Pt	195	1	He	0.003789	47.1	229.333
Hg	202	1	He	0.027956	7.1	300.000
Tl	205	1	He	0.050362	20.5	2958.693
Pb	208	1	He	0.001666	72.8	2405.107
Bi	209	1	He	0.007714	37.0	2370.253
Th	232	1	He	0.017822	1.8	1856.813
U	238	1	He	0.003374	30.5	731.693

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.0872940	628918.793
Sc	45	2	H2	105.5613342	5198758.833
Ge	72	1	He	102.5384407	519371.250
Ge	72	2	H2	104.7178383	1786431.167
In	115	1	He	105.2201511	6222043.627
Tb	159	1	He	105.4133903	14549636.863
Ir	193	1	He	105.5141368	7631378.637

Sample Name	10606337007_B69957Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	140SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 22:33:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	111.792695	0.8	53996.367
Be	9	2	H2	0.155945	9.6	88.333
B	11	2	H2	187.902326	1.2	84969.550
Na	23	1	He	47854.01952	1.0	49966684.257
Mg	24	1	He	36567.33285	0.5	21439743.013
Al	27	1	He	129.661694	0.6	37340.163
Si	28	2	H2	12980.10214	1.1	46672420.000
K	39	1	He	7176.680623	0.7	5829552.623
Ca	43	1	He	129558.9125	0.8	305444.220
Ti	47	1	He	1.005656	2.8	264.667
V	51	1	He	0.753934	3.4	5156.557
Cr	52	1	He	0.668652	2.0	8474.463
Mn	55	1	He	5227.958609	0.2	33557387.333
Fe	56	1	He	2802.498234	0.3	23788456.667
Co	59	1	He	15.095521	0.6	215076.040
Ni	60	1	He	9.527526	0.5	34435.197
Cu	63	1	He	720.518823	0.6	7125782.167
Zn	66	1	He	3651.871398	0.3	8177300.500
As	75	1	He	19.690195	0.3	39246.997
Se	78	2	H2	0.268637	8.5	283.333
Sr	88	1	He	1052.440843	0.6	12544507.727
Mo	95	1	He	6.264594	1.9	40959.267
Pd	105	1	He	0.567051	5.6	5769.563
Ag	107	1	He	0.118442	4.9	2481.907
Cd	111	1	He	16.625674	0.6	64154.977
Sn	118	1	He	0.053861	3.4	586.687
Sb	121	1	He	0.465262	3.2	6748.347
Ba	138	1	He	31.829527	1.0	1017112.200
Pt	195	1	He	0.014775	27.9	367.343
Hg	202	1	He	0.077103	8.5	611.350
Tl	205	1	He	0.032511	5.3	1935.160
Pb	208	1	He	19.637253	0.4	1300687.407
Bi	209	1	He	0.023812	13.9	3117.093
Th	232	1	He	0.054312	24.6	4251.573
U	238	1	He	14.869658	0.7	987352.613

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.30159173	580954.210
Sc	45	2	H2	101.0262639	4975412.500
Ge	72	1	He	95.68124942	484638.637
Ge	72	2	H2	99.40952436	1695874.127
In	115	1	He	96.14352947	5685310.547
Tb	159	1	He	100.2115112	13831649.793
Ir	193	1	He	98.18086960	7100995.310

Sample Name	10606337007_B69957Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	141SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 22:37:26
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	11.942418	1.1	6066.047
Be	9	2	H2	0.046008	23.8	35.500
B	11	2	H2	20.009396	0.7	11971.230
Na	23	1	He	5034.054705	2.8	5545080.750
Mg	24	1	He	3837.749966	2.7	2370663.767
Al	27	1	He	19.425395	2.3	5954.523
Si	28	2	H2	1333.772768	0.3	5002846.833
K	39	1	He	743.700459	2.3	703221.503
Ca	43	1	He	13281.47297	2.8	32987.227
Ti	47	1	He	0.107673	16.0	30.667
V	51	1	He	0.104854	53.5	284.173
Cr	52	1	He	0.115807	7.0	3742.487
Mn	55	1	He	545.474953	2.8	3687014.083
Fe	56	1	He	292.787605	2.8	2626778.500
Co	59	1	He	1.596270	3.0	23982.343
Ni	60	1	He	1.125743	3.4	4468.027
Cu	63	1	He	76.434014	2.8	795795.020
Zn	66	1	He	380.553914	3.6	896895.397
As	75	1	He	1.999890	4.3	4365.830
Se	78	2	H2	0.031740	7.6	65.333
Sr	88	1	He	106.324259	3.2	1333893.363
Mo	95	1	He	0.631813	3.5	4470.713
Pd	105	1	He	0.058084	15.5	843.370
Ag	107	1	He	0.037085	15.0	906.703
Cd	111	1	He	1.692635	3.1	7057.633
Sn	118	1	He	0.012824	9.5	205.000
Sb	121	1	He	0.051025	6.4	850.037
Ba	138	1	He	3.218810	2.8	111065.463
Pt	195	1	He	0.000905	161.0	188.667
Hg	202	1	He	0.010370	18.2	177.333
Tl	205	1	He	0.006957	16.5	713.357
Pb	208	1	He	2.032018	2.5	143799.503
Bi	209	1	He	0.004273	106.5	2126.870
Th	232	1	He	0.008355	13.9	1135.063
U	238	1	He	1.481000	3.7	104671.397

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.33797337	611981.333
Sc	45	2	H2	105.1069974	5176383.333
Ge	72	1	He	100.7596530	510361.447
Ge	72	2	H2	105.6024396	1801522.000
In	115	1	He	103.7622669	6135833.727
Tb	159	1	He	105.5793481	14572543.117
Ir	193	1	He	104.1349437	7531627.597

Sample Name	10606337008_B69957Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	142SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 22:41:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	107.393329	0.1	54776.493
Be	9	2	H2	0.172619	6.2	102.000
B	11	2	H2	188.149373	0.5	89842.350
Na	23	1	He	50090.12365	0.3	54799115.847
Mg	24	1	He	35719.25282	0.6	21942644.673
Al	27	1	He	163.528016	0.6	49322.033
Si	28	2	H2	12790.04179	0.2	48564330.667
K	39	1	He	7388.869033	0.2	6286356.990
Ca	43	1	He	128549.8056	0.2	317539.403
Ti	47	1	He	2.334230	2.9	642.347
V	51	1	He	0.983771	3.6	7214.260
Cr	52	1	He	0.621736	3.1	8441.120
Mn	55	1	He	4805.172229	0.8	32315974.000
Fe	56	1	He	2830.229476	0.8	25170628.667
Co	59	1	He	13.255808	0.8	196789.640
Ni	60	1	He	8.509415	0.5	32066.467
Cu	63	1	He	780.567903	0.6	8043079.167
Zn	66	1	He	3618.818410	0.2	8442796.333
As	75	1	He	34.118357	0.8	70717.013
Se	78	2	H2	0.241426	11.5	272.000
Sr	88	1	He	1028.548189	0.6	12773336.060
Mo	95	1	He	6.326956	0.2	43148.377
Pd	105	1	He	0.550176	1.8	5846.257
Ag	107	1	He	0.079951	7.0	1780.130
Cd	111	1	He	16.611875	0.8	66862.047
Sn	118	1	He	0.042272	2.9	495.010
Sb	121	1	He	0.527817	2.0	7977.343
Ba	138	1	He	29.774093	0.8	992399.387
Pt	195	1	He	0.012790	68.6	356.700
Hg	202	1	He	0.085471	5.5	699.020
Tl	205	1	He	0.019624	6.3	1363.417
Pb	208	1	He	19.857731	1.0	1378009.397
Bi	209	1	He	0.027764	6.7	3477.200
Th	232	1	He	0.057735	8.3	4677.543
U	238	1	He	14.692439	0.6	1014931.027

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	98.80414046	608692.603
Sc	45	2	H2	106.6840169	5254049.500
Ge	72	1	He	99.69019594	504944.500
Ge	72	2	H2	104.8404630	1788523.080
In	115	1	He	100.2797145	5929897.953
Tb	159	1	He	104.9897066	14491158.113
Ir	193	1	He	102.1397952	7387327.183

Sample Name	10606337008_B69957Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	143SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 22:44:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	12.008829	0.4	6147.413
Be	9	2	H2	0.047709	8.9	36.667
B	11	2	H2	20.594934	0.5	12334.353
Na	23	1	He	5247.664103	0.1	5900227.207
Mg	24	1	He	3762.944334	0.4	2372863.713
Al	27	1	He	21.714944	1.3	6785.243
Si	28	2	H2	1340.923410	0.5	5069300.500
K	39	1	He	761.500085	0.1	733131.030
Ca	43	1	He	13162.55046	0.6	33373.477
Ti	47	1	He	0.239998	14.8	68.667
V	51	1	He	0.158153	32.5	724.030
Cr	52	1	He	0.130352	7.4	3958.547
Mn	55	1	He	499.070245	0.2	3443609.917
Fe	56	1	He	294.066464	0.1	2693127.750
Co	59	1	He	1.390639	0.8	21362.290
Ni	60	1	He	0.983476	3.4	4017.230
Cu	63	1	He	81.646331	0.3	868864.750
Zn	66	1	He	374.782315	0.2	903005.750
As	75	1	He	3.423500	0.5	7502.113
Se	78	2	H2	0.029756	13.7	63.667
Sr	88	1	He	102.290605	1.2	1311740.217
Mo	95	1	He	0.635961	4.6	4580.080
Pd	105	1	He	0.056789	10.6	843.367
Ag	107	1	He	0.022047	12.4	591.687
Cd	111	1	He	1.668461	0.3	7079.953
Sn	118	1	He	0.015966	10.3	241.667
Sb	121	1	He	0.053523	5.6	905.037
Ba	138	1	He	2.977984	0.8	104582.563
Pt	195	1	He	0.000591	75.5	186.667
Hg	202	1	He	0.010523	30.8	181.333
Tl	205	1	He	0.004802	2.8	611.687
Pb	208	1	He	2.078951	1.1	149384.897
Bi	209	1	He	0.004183	6.0	2163.557
Th	232	1	He	0.010584	48.9	1321.980
U	238	1	He	1.477379	0.6	106316.693

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.3630402	624456.957
Sc	45	2	H2	105.9365387	5217237.167
Ge	72	1	He	102.9350670	521380.217
Ge	72	2	H2	106.0808930	1809684.163
In	115	1	He	105.5447301	6241237.143
Tb	159	1	He	107.1926630	14795220.197
Ir	193	1	He	105.9587520	7663535.720

Sample Name	10606337009_B69957Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	144SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 22:48:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	36.637223	0.4	19607.140
Be	9	2	H2	0.108953	3.8	72.000
B	11	2	H2	209.899617	0.4	104535.113
Na	23	1	He	42073.93714	0.3	47452357.627
Mg	24	1	He	49655.75921	0.4	31444767.030
Al	27	1	He	84.574983	0.8	26332.810
Si	28	2	H2	9665.653955	0.6	38410717.333
K	39	1	He	6362.540298	0.8	5590767.627
Ca	43	1	He	177922.6148	0.6	453047.263
Ti	47	1	He	5.529818	4.3	1567.083
V	51	1	He	0.864588	6.5	6469.853
Cr	52	1	He	0.804756	4.4	10463.837
Mn	55	1	He	4152.786127	1.1	28789477.333
Fe	56	1	He	145.113572	1.0	1341091.623
Co	59	1	He	0.211464	1.5	3265.040
Ni	60	1	He	1.152301	0.6	4630.750
Cu	63	1	He	15.166211	1.7	160203.323
Zn	66	1	He	923.556575	0.9	2206182.750
As	75	1	He	57.901471	1.0	122738.190
Se	78	2	H2	0.066412	11.3	103.667
Sr	88	1	He	1520.312939	0.4	19331140.960
Mo	95	1	He	1.314230	0.8	9062.903
Pd	105	1	He	0.827019	1.8	8761.133
Ag	107	1	He	0.013128	9.6	378.343
Cd	111	1	He	3.156020	0.6	12836.870
Sn	118	1	He	0.035429	9.0	430.010
Sb	121	1	He	0.093667	3.7	1476.757
Ba	138	1	He	34.620714	0.7	1165170.737
Pt	195	1	He	0.004580	29.9	242.000
Hg	202	1	He	0.011339	17.5	185.000
Tl	205	1	He	0.009731	19.4	861.703
Pb	208	1	He	0.834676	1.4	60702.650
Bi	209	1	He	0.004361	35.9	2130.207
Th	232	1	He	0.035096	0.3	3093.730
U	238	1	He	21.185197	1.0	1486934.977

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.8558198	627492.773
Sc	45	2	H2	111.6453252	5498387.500
Ge	72	1	He	102.0716728	517007.007
Ge	72	2	H2	109.6445777	1870478.747
In	115	1	He	101.2600468	5987868.507
Tb	159	1	He	106.0381704	14635871.867
Ir	193	1	He	103.7967136	7507164.887

Sample Name	10606337009_B69957Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	145SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 22:52:04
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.121349	30.8	2252.337
Be	9	2	H2	0.056167	47.2	34.500
B	11	2	H2	29.925619	35.2	14070.693
Na	23	1	He	4685.847715	8.7	5142611.280
Mg	24	1	He	5565.666846	9.0	3423601.927
Al	27	1	He	17.595359	9.3	5377.970
Si	28	2	H2	1229.510962	28.6	3940937.667
K	39	1	He	700.714964	9.9	664236.787
Ca	43	1	He	19353.22935	8.9	47871.637
Ti	47	1	He	0.592064	21.5	163.000
V	51	1	He	0.145793	40.9	632.817
Cr	52	1	He	0.147091	21.0	4023.233
Mn	55	1	He	460.563415	9.0	3100732.500
Fe	56	1	He	16.581324	9.7	158539.563
Co	59	1	He	0.027649	16.2	466.010
Ni	60	1	He	0.210521	9.3	1012.040
Cu	63	1	He	1.722454	9.7	18202.043
Zn	66	1	He	101.506125	9.0	240342.887
As	75	1	He	6.117045	8.7	13018.340
Se	78	2	H2	0.011052	45.5	39.667
Sr	88	1	He	162.991987	9.0	2052890.903
Mo	95	1	He	0.143993	6.6	1022.040
Pd	105	1	He	0.085707	14.8	1120.053
Ag	107	1	He	0.010247	36.6	318.340
Cd	111	1	He	0.343868	12.5	1425.557
Sn	118	1	He	0.013460	21.3	208.333
Sb	121	1	He	0.007264	22.1	171.667
Ba	138	1	He	3.653175	8.6	124660.490
Pt	195	1	He	-0.001583		152.667
Hg	202	1	He	0.003564	68.1	128.667
Tl	205	1	He	0.001991	46.3	453.347
Pb	208	1	He	0.094430	6.0	8779.480
Bi	209	1	He	0.004607	88.3	2113.540
Th	232	1	He	0.005994	2.4	950.047
U	238	1	He	2.247609	7.7	156113.117

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.37823245	612229.353
Sc	45	2	H2	94.09374297	4633994.833
Ge	72	1	He	101.6061651	514649.147
Ge	72	2	H2	94.51572321	1612388.457
In	115	1	He	103.0814135	6095572.430
Tb	159	1	He	104.7497162	14458033.537
Ir	193	1	He	102.8849405	7441220.307

Sample Name	10606337010_B69957Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	146SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 22:55:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	55.017152	0.4	29640.697
Be	9	2	H2	0.071462	12.0	52.000
B	11	2	H2	175.426472	0.2	88571.173
Na	23	1	He	45999.51927	1.7	52740265.880
Mg	24	1	He	38841.13498	1.7	25006107.127
Al	27	1	He	64.315517	2.9	20372.700
Si	28	2	H2	10487.27354	0.1	42009121.333
K	39	1	He	6060.762814	1.4	5418178.250
Ca	43	1	He	136477.2937	1.3	353334.343
Ti	47	1	He	1.423271	4.0	410.677
V	51	1	He	1.218446	7.9	9488.400
Cr	52	1	He	0.513673	3.8	7791.423
Mn	55	1	He	3631.774411	1.6	25597396.000
Fe	56	1	He	243.893445	2.0	2283586.667
Co	59	1	He	0.697214	2.4	10826.707
Ni	60	1	He	1.515603	2.5	6125.970
Cu	63	1	He	164.046669	0.7	1760608.750
Zn	66	1	He	1517.083845	1.2	3685984.750
As	75	1	He	37.555074	0.7	81047.853
Se	78	2	H2	0.138593	9.4	179.000
Sr	88	1	He	1111.769759	1.6	14378268.537
Mo	95	1	He	4.059378	1.1	28787.690
Pd	105	1	He	0.589430	2.4	6498.210
Ag	107	1	He	0.068340	10.0	1598.437
Cd	111	1	He	6.297080	0.9	26359.027
Sn	118	1	He	0.042141	24.2	513.350
Sb	121	1	He	0.775601	0.9	12160.363
Ba	138	1	He	33.591684	1.2	1164001.727
Pt	195	1	He	0.006483	31.8	274.000
Hg	202	1	He	0.147254	3.4	1160.053
Tl	205	1	He	0.011467	17.3	968.377
Pb	208	1	He	45.360965	1.6	3231311.643
Bi	209	1	He	0.057992	4.6	5411.220
Th	232	1	He	0.028305	7.3	2626.953
U	238	1	He	17.399839	1.2	1236153.237

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.5720016	638065.480
Sc	45	2	H2	112.5409596	5542496.333
Ge	72	1	He	103.8307052	525916.747
Ge	72	2	H2	110.1701682	1879445.043
In	115	1	He	104.2707342	6165901.217
Tb	159	1	He	107.8813327	14890273.530
Ir	193	1	He	105.0523913	7597982.597

Sample Name	10606337010_B69957Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	147SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 22:59:22
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.035783	0.3	3233.513
Be	9	2	H2	0.032574	26.0	29.833
B	11	2	H2	19.274124	0.7	12130.690
Na	23	1	He	4791.464597	0.5	5553441.793
Mg	24	1	He	4048.167327	0.6	2630782.773
Al	27	1	He	8.935246	1.3	2923.293
Si	28	2	H2	1075.890285	0.6	4209946.500
K	39	1	He	622.085197	0.2	631671.203
Ca	43	1	He	14014.44460	0.4	36620.007
Ti	47	1	He	0.169705	3.4	50.333
V	51	1	He	0.147150	51.6	655.497
Cr	52	1	He	0.074947	15.3	3533.770
Mn	55	1	He	376.464108	1.0	2677273.333
Fe	56	1	He	25.381853	0.5	250182.520
Co	59	1	He	0.073387	6.2	1215.390
Ni	60	1	He	0.252518	1.9	1230.720
Cu	63	1	He	16.936105	0.5	186317.827
Zn	66	1	He	155.498296	1.0	387048.417
As	75	1	He	3.763720	0.4	8498.323
Se	78	2	H2	0.014113	60.2	49.667
Sr	88	1	He	110.020404	0.2	1457208.623
Mo	95	1	He	0.398411	2.1	2957.650
Pd	105	1	He	0.049183	3.9	783.363
Ag	107	1	He	0.016247	8.2	476.677
Cd	111	1	He	0.648041	1.0	2836.760
Sn	118	1	He	0.009679	28.7	180.000
Sb	121	1	He	0.076264	7.4	1300.073
Ba	138	1	He	3.369288	0.2	121687.830
Pt	195	1	He	0.001520	128.2	206.667
Hg	202	1	He	0.018543	19.7	246.000
Tl	205	1	He	0.002135	26.7	486.680
Pb	208	1	He	4.703049	0.4	345943.817
Bi	209	1	He	0.006845	26.2	2403.597
Th	232	1	He	0.004626	22.4	905.043
U	238	1	He	1.723520	1.0	128042.990

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	104.4692797	643593.250
Sc	45	2	H2	109.5719000	5396274.000
Ge	72	1	He	106.3117095	538483.373
Ge	72	2	H2	109.7575843	1872406.580
In	115	1	He	108.5594141	6419506.183
Tb	159	1	He	110.6975917	15278986.437
Ir	193	1	He	109.4613647	7916864.467

Sample Name	CCV
Sample Type	CCV
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	148_CCV.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 23:03:02
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	83.181358	1.0	42648.397
Be	9	2	H2	81.183617	1.5	42472.143
B	11	2	H2	80.082578	1.3	40099.120
Na	23	1	He	1025.310831	1.2	1209070.840
Mg	24	1	He	1007.804020	1.1	662258.023
Al	27	1	He	992.644354	1.3	319116.783
Si	28	2	H2	502.549397	1.2	1931957.417
K	39	1	He	1005.005627	0.8	981123.840
Ca	43	1	He	1017.487949	3.5	2701.543
Ti	47	1	He	80.101692	1.0	23489.343
V	51	1	He	79.874094	1.1	671249.440
Cr	52	1	He	82.684599	1.3	825724.583
Mn	55	1	He	80.751835	0.9	579928.560
Fe	56	1	He	505.841692	1.6	4810651.667
Co	59	1	He	83.456544	0.7	1326560.997
Ni	60	1	He	84.346407	1.0	338410.947
Cu	63	1	He	85.070508	0.6	939006.397
Zn	66	1	He	82.297494	0.9	205806.020
As	75	1	He	79.710332	1.1	176657.263
Se	78	2	H2	81.535347	0.2	82033.360
Sr	88	1	He	80.481368	0.7	1070532.170
Mo	95	1	He	78.047592	0.3	575324.417
Pd	105	1	He	83.091266	0.3	918883.817
Ag	107	1	He	42.675827	2.0	970316.367
Cd	111	1	He	80.379220	0.7	349747.860
Sn	118	1	He	77.486119	0.3	845318.477
Sb	121	1	He	77.594552	0.3	1259112.610
Ba	138	1	He	78.375735	0.5	2824408.813
Pt	195	1	He	83.273160	0.6	1241733.707
Hg	202	1	He	3.926461	1.3	28666.063
Tl	205	1	He	42.114916	1.3	2270371.633
Pb	208	1	He	82.762912	1.6	5995590.373
Bi	209	1	He	79.053458	2.2	5007081.280
Th	232	1	He	75.906273	1.8	5879483.873
U	238	1	He	77.750902	0.4	5760804.493

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.4476138	649620.373
Sc	45	2	H2	107.2055771	5279735.667
Ge	72	1	He	106.7690561	540799.897
Ge	72	2	H2	106.7662186	1821375.457
In	115	1	He	108.4298474	6411844.447
Tb	159	1	He	109.7492550	15148092.690
Ir	193	1	He	109.5970272	7926676.340

Sample Name	CCB
Sample Type	CCB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	149_CCB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 23:06:42
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.150358	3.7	150.333
Be	9	2	H2	0.034433	19.7	30.000
B	11	2	H2	-0.425051		2708.247
Na	23	1	He	5.720529	0.9	18466.487
Mg	24	1	He	0.464484	48.6	1845.130
Al	27	1	He	0.192681	26.1	137.333
Si	28	2	H2	0.037836	1095.1	15318.413
K	39	1	He	-0.762269		76805.247
Ca	43	1	He	0.577216	284.5	20.617
Ti	47	1	He	0.006912	182.3	3.000
V	51	1	He	0.079918	114.6	95.400
Cr	52	1	He	-0.006767		2686.257
Mn	55	1	He	0.261540	7.5	2168.833
Fe	56	1	He	0.104128	22.8	12393.263
Co	59	1	He	0.008601	51.6	185.333
Ni	60	1	He	-0.001413		212.000
Cu	63	1	He	0.021901	5.4	449.343
Zn	66	1	He	0.071497	5.9	352.677
As	75	1	He	-0.014910		164.667
Se	78	2	H2	-0.002026		32.000
Sr	88	1	He	0.028977	25.7	518.347
Mo	95	1	He	0.012229	43.5	106.000
Pd	105	1	He	0.018934	14.4	441.677
Ag	107	1	He	0.194434	26.9	4462.440
Cd	111	1	He	0.008035	48.9	47.980
Sn	118	1	He	0.013050	21.1	213.333
Sb	121	1	He	0.004444	15.9	131.667
Ba	138	1	He	0.006148	35.9	345.010
Pt	195	1	He	0.004865	67.0	251.333
Hg	202	1	He	0.023929	12.9	279.333
Tl	205	1	He	0.056494	36.3	3363.823
Pb	208	1	He	0.002794	83.7	2551.790
Bi	209	1	He	0.007412	107.5	2430.270
Th	232	1	He	0.020036	18.0	2091.857
U	238	1	He	0.005604	48.3	920.043

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.8588474	633672.023
Sc	45	2	H2	106.6439718	5252077.333
Ge	72	1	He	103.8918999	526226.707
Ge	72	2	H2	106.4062011	1815233.747
In	115	1	He	106.9675082	6325371.100
Tb	159	1	He	108.3340359	14952757.697
Ir	193	1	He	109.2297790	7900114.880

Sample Name	10606337011_B69957Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	150SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 23:10:21
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	42.394302	0.8	21773.760
Be	9	2	H2	0.089913	9.4	59.167
B	11	2	H2	118.041334	0.2	57729.007
Na	23	1	He	63237.92702	0.4	68688367.310
Mg	24	1	He	23229.97955	0.5	14169398.123
Al	27	1	He	206.285591	0.5	61756.973
Si	28	2	H2	14046.12889	0.1	53593236.000
K	39	1	He	6231.871954	0.1	5276003.153
Ca	43	1	He	102268.8394	0.2	250839.517
Ti	47	1	He	7.337589	3.2	2002.807
V	51	1	He	1.710974	0.1	12854.120
Cr	52	1	He	0.614215	1.1	8312.370
Mn	55	1	He	3270.242089	0.3	21837683.333
Fe	56	1	He	1095.142836	0.8	9677439.333
Co	59	1	He	0.988726	1.1	14583.970
Ni	60	1	He	2.040999	1.0	7775.417
Cu	63	1	He	977.945237	0.7	9980750.667
Zn	66	1	He	2459.930448	0.4	5684295.833
As	75	1	He	18.752286	1.0	38579.890
Se	78	2	H2	0.289453	7.0	320.333
Sr	88	1	He	683.471974	0.6	8406748.207
Mo	95	1	He	6.316215	0.9	42823.403
Pd	105	1	He	0.368586	4.0	3967.260
Ag	107	1	He	0.203771	4.3	4359.040
Cd	111	1	He	14.539158	0.5	58180.250
Sn	118	1	He	0.039877	9.6	468.343
Sb	121	1	He	0.310583	5.2	4690.827
Ba	138	1	He	23.177000	0.4	768039.490
Pt	195	1	He	0.013218	4.1	356.010
Hg	202	1	He	0.212797	3.4	1554.093
Tl	205	1	He	0.042408	3.6	2488.590
Pb	208	1	He	13.106363	1.0	892663.170
Bi	209	1	He	0.239035	2.7	15783.000
Th	232	1	He	0.192391	2.2	14254.547
U	238	1	He	15.185871	0.8	1038575.377

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	98.10440538	604381.817
Sc	45	2	H2	107.2071406	5279812.667
Ge	72	1	He	98.74056647	500134.497
Ge	72	2	H2	105.1651825	1794062.623
In	115	1	He	99.69695518	5895437.310
Tb	159	1	He	102.9695650	14212328.953
Ir	193	1	He	101.1172615	7313371.767

Sample Name	4308555_B69957Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	151SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 23:14:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	141.385297	0.6	73501.160
Be	9	2	H2	98.240198	0.3	52149.373
B	11	2	H2	222.762917	0.4	107902.877
Na	23	1	He	68001.92725	1.0	76379360.530
Mg	24	1	He	26228.48028	0.6	16543684.337
Al	27	1	He	2201.642928	0.6	680847.023
Si	28	2	H2	15208.43638	0.8	58872041.333
K	39	1	He	8555.430505	0.6	7461375.513
Ca	43	1	He	109843.5941	0.7	278586.430
Ti	47	1	He	110.811374	0.5	31261.387
V	51	1	He	104.435276	1.0	844529.333
Cr	52	1	He	104.409629	1.4	1002400.143
Mn	55	1	He	3529.159344	0.8	24369208.000
Fe	56	1	He	3178.603970	0.8	29023756.000
Co	59	1	He	105.543156	0.6	1602159.460
Ni	60	1	He	105.490899	0.8	404149.397
Cu	63	1	He	1119.235409	0.7	11795586.000
Zn	66	1	He	2663.390696	0.8	6355405.500
As	75	1	He	123.650866	0.5	261626.380
Se	78	2	H2	103.923269	1.0	104233.547
Sr	88	1	He	813.756518	0.7	10336184.847
Mo	95	1	He	110.535328	0.2	766079.063
Pd	105	1	He	20.094461	0.5	209100.633
Ag	107	1	He	52.259418	0.7	1117335.063
Cd	111	1	He	117.064695	0.6	478905.430
Sn	118	1	He	101.072883	0.6	1036676.287
Sb	121	1	He	101.629307	0.7	1550429.717
Ba	138	1	He	125.979765	0.5	4268317.957
Pt	195	1	He	20.335220	1.0	294117.330
Hg	202	1	He	0.229795	3.6	1726.117
Tl	205	1	He	102.931793	0.7	5379396.170
Pb	208	1	He	114.297412	0.6	8027035.717
Bi	209	1	He	97.668732	0.7	5862912.620
Th	232	1	He	102.955052	0.1	7558316.553
U	238	1	He	117.529291	0.9	8253034.043

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.4460852	624968.563
Sc	45	2	H2	108.7702647	5356794.500
Ge	72	1	He	101.9674828	516479.270
Ge	72	2	H2	106.4391937	1815796.583
In	115	1	He	101.9477858	6028536.973
Tb	159	1	He	106.3985078	14685607.280
Ir	193	1	He	103.8658281	7512163.637

Sample Name	10606337011_B69957Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	152SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 23:17:41
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.786127	1.3	2467.200
Be	9	2	H2	0.069016	23.3	47.167
B	11	2	H2	13.126086	0.5	8811.733
Na	23	1	He	6579.937400	0.2	7422264.263
Mg	24	1	He	2430.685746	0.8	1538942.320
Al	27	1	He	23.837265	0.6	7467.877
Si	28	2	H2	1435.043609	0.5	5365623.000
K	39	1	He	642.075867	0.3	632431.930
Ca	43	1	He	10467.46989	1.1	26639.583
Ti	47	1	He	0.731736	1.4	208.000
V	51	1	He	0.229207	8.5	1305.863
Cr	52	1	He	0.090435	8.9	3590.457
Mn	55	1	He	340.569348	0.0	2358637.250
Fe	56	1	He	113.635028	0.3	1051410.980
Co	59	1	He	0.118480	4.0	1880.127
Ni	60	1	He	0.378414	3.7	1690.103
Cu	63	1	He	101.145984	0.4	1083706.333
Zn	66	1	He	250.553570	0.4	607867.917
As	75	1	He	1.874312	1.2	4224.123
Se	78	2	H2	0.027631	7.2	60.667
Sr	88	1	He	68.160630	0.8	880101.603
Mo	95	1	He	0.644185	1.2	4668.110
Pd	105	1	He	0.044749	6.3	718.353
Ag	107	1	He	0.263382	31.2	5966.403
Cd	111	1	He	1.484200	1.6	6338.590
Sn	118	1	He	0.025196	15.9	341.677
Sb	121	1	He	0.037651	5.6	658.353
Ba	138	1	He	2.326233	0.9	82231.160
Pt	195	1	He	0.002214	153.5	211.333
Hg	202	1	He	0.028653	4.2	311.667
Tl	205	1	He	0.038137	26.2	2378.577
Pb	208	1	He	1.360490	1.0	99070.973
Bi	209	1	He	0.033246	11.7	3953.983
Th	232	1	He	0.056506	9.4	4774.253
U	238	1	He	1.518296	0.6	109573.287

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.7325428	626733.313
Sc	45	2	H2	104.7968538	5161109.167
Ge	72	1	He	103.6400910	524951.260
Ge	72	2	H2	104.5836532	1784142.040
In	115	1	He	106.2035134	6280193.357
Tb	159	1	He	107.7488593	14871988.947
Ir	193	1	He	106.2772910	7686574.260

Sample Name	CCV
Sample Type	CCV
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	153_CCV.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 23:21:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.090966	1.2	41490.187
Be	9	2	H2	79.577117	1.1	41040.553
B	11	2	H2	78.246345	1.2	38687.793
Na	23	1	He	1022.667223	0.6	1175850.293
Mg	24	1	He	1002.659225	1.4	642387.270
Al	27	1	He	988.412397	0.9	309805.157
Si	28	2	H2	492.318502	0.8	1866051.583
K	39	1	He	996.544677	0.5	949176.783
Ca	43	1	He	1019.349971	1.4	2639.077
Ti	47	1	He	79.122396	1.1	22620.320
V	51	1	He	79.114212	0.7	648207.077
Cr	52	1	He	81.731521	0.7	795790.290
Mn	55	1	He	80.800924	0.5	565748.457
Fe	56	1	He	502.091615	1.0	4655529.167
Co	59	1	He	82.895655	0.6	1283521.373
Ni	60	1	He	83.915464	0.5	327966.687
Cu	63	1	He	83.950579	0.6	902634.917
Zn	66	1	He	81.243492	0.5	197913.733
As	75	1	He	78.710458	1.1	169933.740
Se	78	2	H2	80.352471	1.1	79712.237
Sr	88	1	He	80.099946	0.7	1037872.693
Mo	95	1	He	77.339026	1.0	557032.250
Pd	105	1	He	82.593786	0.8	892459.310
Ag	107	1	He	42.129555	2.3	936001.860
Cd	111	1	He	79.942346	0.4	339886.703
Sn	118	1	He	76.968569	1.3	820410.873
Sb	121	1	He	77.478169	1.2	1228376.597
Ba	138	1	He	77.742715	0.5	2737462.563
Pt	195	1	He	81.600891	0.5	1193218.080
Hg	202	1	He	3.858457	1.9	27625.560
Tl	205	1	He	41.831781	0.2	2211478.613
Pb	208	1	He	81.403014	1.0	5783038.900
Bi	209	1	He	78.681487	1.3	4860348.887
Th	232	1	He	75.819397	1.3	5727572.623
U	238	1	He	77.244082	1.1	5581135.753

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.8072728	633354.293
Sc	45	2	H2	105.6778449	5204496.833
Ge	72	1	He	104.0013573	526781.123
Ge	72	2	H2	105.2623160	1795719.670
In	115	1	He	105.9475733	6265058.707
Tb	159	1	He	107.6186500	14854016.863
Ir	193	1	He	106.8812405	7730255.303

Sample Name	CCB
Sample Type	CCB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	154_CCB.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 23:25:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.268170	42.0	159.833
Be	9	2	H2	0.078793	33.3	40.500
B	11	2	H2	1.510734	160.5	2716.747
Na	23	1	He	7.054870	6.5	19726.453
Mg	24	1	He	0.006079	2309.8	1531.757
Al	27	1	He	0.159802	19.0	125.333
Si	28	2	H2	1.046596	153.5	14415.097
K	39	1	He	-2.498178		74304.050
Ca	43	1	He	1.209617	193.3	21.950
Ti	47	1	He	0.014166	87.1	5.000
V	51	1	He	0.046427	95.3	-177.063
Cr	52	1	He	-0.015026		2572.233
Mn	55	1	He	0.295141	4.6	2372.867
Fe	56	1	He	0.130321	2.7	12471.333
Co	59	1	He	0.009560	17.0	198.000
Ni	60	1	He	-0.003860		200.000
Cu	63	1	He	0.029819	8.8	528.010
Zn	66	1	He	0.088866	17.7	390.010
As	75	1	He	-0.017343		157.500
Se	78	2	H2	0.020438	90.6	41.000
Sr	88	1	He	0.025787	17.4	471.677
Mo	95	1	He	0.013738	34.7	116.000
Pd	105	1	He	0.014794	20.7	393.343
Ag	107	1	He	0.187580	25.1	4274.043
Cd	111	1	He	0.006550	30.5	41.313
Sn	118	1	He	0.010238	45.2	181.667
Sb	121	1	He	0.004841	96.4	136.667
Ba	138	1	He	0.005429	30.1	316.677
Pt	195	1	He	0.002264	72.7	211.333
Hg	202	1	He	0.027922	17.4	305.333
Tl	205	1	He	0.054968	27.6	3255.447
Pb	208	1	He	0.002055	126.8	2478.443
Bi	209	1	He	0.005283	101.3	2260.233
Th	232	1	He	0.019636	7.5	2028.513
U	238	1	He	0.006697	34.1	985.043

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.5196511	625421.773
Sc	45	2	H2	85.13518054	4192797.250
Ge	72	1	He	102.6449735	519910.853
Ge	72	2	H2	84.98759747	1449843.650
In	115	1	He	106.0389969	6270464.910
Tb	159	1	He	107.4317901	14828225.613
Ir	193	1	He	107.4905535	7774324.260

Sample Name	CRDL
Sample Type	CRDL
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	155CRD.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 23:28:41
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.656944	8.7	399.343
Be	9	2	H2	0.244716	16.2	136.333
B	11	2	H2	9.481915	2.1	7126.013
Na	23	1	He	58.919126	0.4	78171.353
Mg	24	1	He	30.547597	1.2	20849.673
Al	27	1	He	31.052059	1.6	9704.160
Si	28	2	H2	99.128668	0.6	382828.803
K	39	1	He	101.843247	1.2	164768.733
Ca	43	1	He	102.084025	5.4	278.583
Ti	47	1	He	0.962796	5.1	273.333
V	51	1	He	0.942614	11.1	7096.117
Cr	52	1	He	2.047745	1.0	22381.713
Mn	55	1	He	0.756308	4.1	5570.407
Fe	56	1	He	51.393534	0.9	481676.540
Co	59	1	He	0.542435	0.9	8327.727
Ni	60	1	He	0.551614	1.9	2337.530
Cu	63	1	He	1.114524	1.2	12016.983
Zn	66	1	He	5.314074	2.2	12921.763
As	75	1	He	0.475714	2.2	1205.050
Se	78	2	H2	0.516994	1.7	537.010
Sr	88	1	He	0.538125	0.5	7011.770
Mo	95	1	He	0.483464	3.5	3459.763
Pd	105	1	He	0.520735	3.0	5791.247
Ag	107	1	He	0.450371	9.1	9995.300
Cd	111	1	He	0.087979	3.6	383.053
Sn	118	1	He	0.480599	1.1	5135.983
Sb	121	1	He	0.525406	3.2	8294.183
Ba	138	1	He	0.303496	2.4	10687.560
Pt	195	1	He	0.504728	0.7	7453.430
Hg	202	1	He	0.234079	0.4	1751.787
Tl	205	1	He	0.106054	5.5	5883.017
Pb	208	1	He	0.517594	1.9	38550.213
Bi	209	1	He	0.492194	0.5	32062.447
Th	232	1	He	0.505766	0.5	38431.520
U	238	1	He	0.485886	1.4	35319.650

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.7266921	626697.270
Sc	45	2	H2	104.3373493	5138479.167
Ge	72	1	He	102.4820480	519085.613
Ge	72	2	H2	103.4825350	1765357.543
In	115	1	He	104.7417244	6193752.550
Tb	159	1	He	106.1273001	14648173.947
Ir	193	1	He	106.0325876	7668875.927

Sample Name	4308560_B69958Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	156SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 23:32:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.146843	11.3	146.500
Be	9	2	H2	0.034904	1.6	29.833
B	11	2	H2	-1.331878		2258.007
Na	23	1	He	7.531274	7.8	20268.833
Mg	24	1	He	2.460504	7.0	3082.013
Al	27	1	He	3.151928	3.6	1051.707
Si	28	2	H2	-0.009966		14925.483
K	39	1	He	-1.669088		75051.147
Ca	43	1	He	11.224414	31.1	47.383
Ti	47	1	He	0.068408	34.3	20.333
V	51	1	He	0.006548	1328.1	-500.603
Cr	52	1	He	0.296467	2.2	5559.077
Mn	55	1	He	0.273568	3.5	2224.843
Fe	56	1	He	9.164419	1.3	95027.087
Co	59	1	He	0.007772	23.1	169.333
Ni	60	1	He	0.004584	159.2	230.667
Cu	63	1	He	0.063177	4.1	874.697
Zn	66	1	He	0.535987	3.0	1452.077
As	75	1	He	-0.015499		160.167
Se	78	2	H2	-0.002472		31.000
Sr	88	1	He	0.040142	8.0	650.020
Mo	95	1	He	0.015462	2.6	128.000
Pd	105	1	He	0.004707	39.2	283.340
Ag	107	1	He	0.069529	19.2	1643.443
Cd	111	1	He	0.005890	50.9	38.313
Sn	118	1	He	0.018317	24.3	266.670
Sb	121	1	He	0.007710	24.6	181.667
Ba	138	1	He	0.020681	12.4	851.703
Pt	195	1	He	0.004485	45.7	242.667
Hg	202	1	He	0.013384	32.9	201.000
Tl	205	1	He	0.013005	25.7	1040.050
Pb	208	1	He	0.003364	50.7	2560.117
Bi	209	1	He	0.003623	54.4	2156.887
Th	232	1	He	0.004659	23.7	890.033
U	238	1	He	0.001439	61.6	603.353

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.5615128	625679.667
Sc	45	2	H2	105.1886306	5180403.667
Ge	72	1	He	101.7944332	515602.750
Ge	72	2	H2	104.5225630	1783099.873
In	115	1	He	105.6611339	6248120.517
Tb	159	1	He	106.9414305	14760543.947
Ir	193	1	He	107.3608162	7764940.927

Sample Name	4308561_B69958Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	157SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 23:36:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	105.029963	0.4	51605.900
Be	9	2	H2	102.339809	1.0	51326.750
B	11	2	H2	100.485737	0.9	47523.180
Na	23	1	He	2075.366932	0.6	2308482.257
Mg	24	1	He	2044.376598	0.4	1272147.013
Al	27	1	He	2009.984651	0.3	612565.583
Si	28	2	H2	515.674484	0.6	1900132.627
K	39	1	He	2034.851558	0.4	1806273.620
Ca	43	1	He	2047.721035	1.6	5136.070
Ti	47	1	He	100.536668	1.6	27949.420
V	51	1	He	101.724361	0.3	810648.120
Cr	52	1	He	105.427828	0.6	997441.873
Mn	55	1	He	102.741812	0.7	699451.000
Fe	56	1	He	2058.213606	0.7	18524073.333
Co	59	1	He	107.108446	0.4	1618956.040
Ni	60	1	He	107.509284	0.8	410114.553
Cu	63	1	He	106.422263	0.8	1116952.957
Zn	66	1	He	105.135748	0.7	249967.893
As	75	1	He	101.187360	0.6	213210.187
Se	78	2	H2	103.859690	1.3	100304.517
Sr	88	1	He	102.731307	0.4	1299414.043
Mo	95	1	He	99.837039	0.7	703718.647
Pd	105	1	He	20.802769	0.7	220154.370
Ag	107	1	He	52.880017	1.5	1149787.407
Cd	111	1	He	101.622878	0.5	422830.790
Sn	118	1	He	97.386713	0.1	1015895.530
Sb	121	1	He	99.270311	0.4	1540293.467
Ba	138	1	He	100.801770	0.2	3473525.260
Pt	195	1	He	20.458215	0.6	297114.427
Hg	202	1	He	0.013909	20.6	204.667
Tl	205	1	He	106.002510	0.8	5562637.003
Pb	208	1	He	103.777504	0.0	7318474.320
Bi	209	1	He	100.274990	1.0	6114959.490
Th	232	1	He	100.799538	0.3	7517803.430
U	238	1	He	99.410218	0.3	7091519.893

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.97366651	615897.583
Sc	45	2	H2	102.7658562	5061085.167
Ge	72	1	He	101.5262686	514244.460
Ge	72	2	H2	102.4934534	1748484.333
In	115	1	He	103.6821756	6131097.643
Tb	159	1	He	106.8375088	14746200.197
Ir	193	1	He	105.5193678	7631756.970

Sample Name	10606389001_B69958Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	158SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 23:39:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	34.767821	0.2	17929.237
Be	9	2	H2	1.794948	3.1	954.030
B	11	2	H2	8.422668	2.4	6851.720
Na	23	1	He	19133.71524	2.7	20920808.020
Mg	24	1	He	66493.45160	3.0	40807737.727
Al	27	1	He	406.003217	3.1	122226.503
Si	28	2	H2	3686.472149	0.9	14124141.000
K	39	1	He	5840.949542	2.7	4980397.530
Ca	43	1	He	448549.0352	2.9	1106937.483
Ti	47	1	He	3.482699	2.4	957.367
V	51	1	He	0.925361	9.0	6749.420
Cr	52	1	He	0.781856	6.9	9922.707
Mn	55	1	He	792.533019	2.8	5325228.833
Fe	56	1	He	944.891688	3.2	8402837.500
Co	59	1	He	10.869277	3.6	157887.177
Ni	60	1	He	34.152269	2.8	125326.643
Cu	63	1	He	0.723450	4.4	7493.947
Zn	66	1	He	237.901256	2.1	543296.500
As	75	1	He	1.581561	3.6	3383.400
Se	78	2	H2	0.291869	13.4	321.670
Sr	88	1	He	3139.730296	2.4	38152842.767
Mo	95	1	He	0.167637	14.8	1149.387
Pd	105	1	He	1.653422	4.9	17007.000
Ag	107	1	He	0.269132	28.0	5701.260
Cd	111	1	He	0.311439	11.4	1256.517
Sn	118	1	He	0.131619	17.5	1385.080
Sb	121	1	He	0.151882	19.5	2316.883
Ba	138	1	He	18.965157	1.8	627989.120
Pt	195	1	He	0.023327	21.6	492.677
Hg	202	1	He	0.009738	13.9	167.667
Tl	205	1	He	0.698523	5.4	35392.333
Pb	208	1	He	1.007543	4.2	70144.937
Bi	209	1	He	0.081696	32.0	6325.017
Th	232	1	He	0.242002	18.4	17078.200
U	238	1	He	2.119430	3.3	139784.783

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	98.73152847	608245.270
Sc	45	2	H2	107.5563850	5297012.500
Ge	72	1	He	97.57048887	494207.893
Ge	72	2	H2	104.8829739	1789248.293
In	115	1	He	99.62715354	5891309.690
Tb	159	1	He	102.2171355	14108475.207
Ir	193	1	He	97.27317817	7035345.937

Sample Name	4309988_B69958Dx5
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	159SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 23:43:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	7.463023	0.2	3902.673
Be	9	2	H2	0.415563	4.2	230.000
B	11	2	H2	0.411370	38.4	3117.157
Na	23	1	He	3835.326229	0.2	4401522.433
Mg	24	1	He	13272.31297	0.2	8532489.663
Al	27	1	He	84.699073	1.9	26766.010
Si	28	2	H2	773.211091	1.8	2970821.750
K	39	1	He	1149.538152	0.9	1089108.293
Ca	43	1	He	87733.96159	0.2	226772.277
Ti	47	1	He	1.008238	15.5	291.007
V	51	1	He	0.165484	45.7	804.593
Cr	52	1	He	0.199577	6.8	4714.100
Mn	55	1	He	156.991083	0.7	1105068.503
Fe	56	1	He	191.587213	0.4	1793618.043
Co	59	1	He	2.146867	0.9	33790.983
Ni	60	1	He	6.775901	1.3	27081.770
Cu	63	1	He	0.204304	6.8	2446.883
Zn	66	1	He	47.676203	0.9	117957.333
As	75	1	He	0.306181	1.6	870.197
Se	78	2	H2	0.052302	14.7	87.333
Sr	88	1	He	597.174799	0.7	7852819.467
Mo	95	1	He	0.035157	16.4	274.000
Pd	105	1	He	0.318179	2.7	3722.180
Ag	107	1	He	0.063894	13.8	1545.097
Cd	111	1	He	0.062628	8.9	283.617
Sn	118	1	He	0.036537	16.3	468.343
Sb	121	1	He	0.024833	12.3	460.010
Ba	138	1	He	3.642604	1.2	130193.923
Pt	195	1	He	0.004331	56.7	246.000
Hg	202	1	He	0.004592	42.4	142.000
Tl	205	1	He	0.144367	2.8	8125.880
Pb	208	1	He	0.204316	2.0	17131.047
Bi	209	1	He	0.018288	26.9	3073.750
Th	232	1	He	0.040716	21.8	3633.890
U	238	1	He	0.397419	3.0	29406.813

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.3861225	636920.353
Sc	45	2	H2	107.4387068	5291217.000
Ge	72	1	He	105.5588223	534669.897
Ge	72	2	H2	107.5808688	1835272.960
In	115	1	He	107.4412864	6353387.300
Tb	159	1	He	109.4400830	15105419.360
Ir	193	1	He	107.6112316	7783052.383

Sample Name	4308562_B69958Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	160SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 23:46:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	127.320486	0.3	65360.477
Be	9	2	H2	91.714956	0.4	48071.147
B	11	2	H2	97.103289	0.4	48090.977
Na	23	1	He	20890.97807	0.5	22629089.663
Mg	24	1	He	67425.24413	0.2	40998005.223
Al	27	1	He	2254.648502	0.2	672193.060
Si	28	2	H2	4109.491501	0.6	15717822.000
K	39	1	He	7746.326039	0.8	6519744.070
Ca	43	1	He	444415.0431	0.7	1086546.260
Ti	47	1	He	102.542891	1.0	27887.300
V	51	1	He	101.435900	1.5	790720.733
Cr	52	1	He	102.474569	0.3	948543.020
Mn	55	1	He	861.540657	0.3	5735655.500
Fe	56	1	He	2879.010453	0.7	25343620.000
Co	59	1	He	113.905429	1.2	1646758.540
Ni	60	1	He	136.310659	0.7	497325.300
Cu	63	1	He	101.675883	0.9	1020738.250
Zn	66	1	He	333.002414	0.5	756969.980
As	75	1	He	104.144740	0.9	209892.733
Se	78	2	H2	107.434136	0.5	106870.283
Sr	88	1	He	3185.113047	0.6	38532121.090
Mo	95	1	He	101.804051	1.1	677340.270
Pd	105	1	He	21.342719	0.6	213205.127
Ag	107	1	He	50.069241	1.7	1027584.777
Cd	111	1	He	98.895424	0.5	388426.977
Sn	118	1	He	97.451910	0.5	959652.280
Sb	121	1	He	98.438904	0.8	1441835.497
Ba	138	1	He	123.023235	0.9	4001546.193
Pt	195	1	He	19.960069	1.1	274908.333
Hg	202	1	He	0.012281	41.1	183.000
Tl	205	1	He	102.867468	0.8	5119455.340
Pb	208	1	He	98.891120	1.0	6613726.413
Bi	209	1	He	97.998685	1.0	5513399.293
Th	232	1	He	103.228007	0.3	7102415.310
U	238	1	He	103.114987	0.3	6785936.773

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.80190715	602518.247
Sc	45	2	H2	107.3934873	5288990.000
Ge	72	1	He	97.11677097	491909.750
Ge	72	2	H2	105.5705000	1800977.127
In	115	1	He	97.87702229	5787818.173
Tb	159	1	He	101.3236110	13985146.873
Ir	193	1	He	97.34270169	7040374.270

Sample Name	4308563_B69958Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	161SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 23:50:38
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	129.001419	0.5	66121.913
Be	9	2	H2	94.578495	0.3	49495.533
B	11	2	H2	99.479754	1.1	49122.440
Na	23	1	He	20135.60817	1.0	20683210.527
Mg	24	1	He	64704.38969	0.8	37307771.110
Al	27	1	He	2252.423948	0.8	636793.227
Si	28	2	H2	3962.787035	1.0	15134937.667
K	39	1	He	7481.720127	0.8	5973996.787
Ca	43	1	He	422792.6163	0.7	980250.013
Ti	47	1	He	104.987563	0.3	27075.143
V	51	1	He	104.282751	1.3	771000.730
Cr	52	1	He	104.811794	1.0	919955.793
Mn	55	1	He	831.672408	1.1	5250600.333
Fe	56	1	He	2868.770573	0.8	23948386.000
Co	59	1	He	116.160140	0.9	1596155.833
Ni	60	1	He	137.219238	0.9	475832.187
Cu	63	1	He	104.104077	0.8	993330.063
Zn	66	1	He	322.959281	1.0	697736.040
As	75	1	He	106.314495	0.9	203647.490
Se	78	2	H2	109.999746	0.3	109522.240
Sr	88	1	He	3049.185040	0.9	35059770.310
Mo	95	1	He	104.909770	0.4	663276.667
Pd	105	1	He	22.208647	0.8	210818.920
Ag	107	1	He	51.389807	0.7	1002305.453
Cd	111	1	He	100.948287	0.9	376784.127
Sn	118	1	He	100.117340	0.5	936798.163
Sb	121	1	He	100.990858	0.9	1405661.800
Ba	138	1	He	119.563247	0.6	3695642.030
Pt	195	1	He	20.576496	0.7	269888.597
Hg	202	1	He	0.012373	5.2	175.000
Tl	205	1	He	105.018025	1.5	4977752.740
Pb	208	1	He	101.310497	1.5	6453747.040
Bi	209	1	He	99.066253	0.8	5347769.713
Th	232	1	He	104.007406	1.0	6866567.397
U	238	1	He	104.552281	1.9	6603200.527

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.73255090	571287.980
Sc	45	2	H2	107.2286370	5280871.333
Ge	72	1	He	92.28842773	467453.530
Ge	72	2	H2	105.6672621	1802627.837
In	115	1	He	92.99391637	5499062.667
Tb	159	1	He	96.48360899	13317107.720
Ir	193	1	He	93.38775694	6754330.317

Sample Name	10606389001_B69958Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	162SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 23:54:18
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.753816	1.7	2104.147
Be	9	2	H2	0.266575	3.7	159.833
B	11	2	H2	0.120233	111.5	3137.327
Na	23	1	He	1918.513423	5.0	2254383.197
Mg	24	1	He	6673.683138	4.9	4381805.560
Al	27	1	He	44.327599	5.8	14339.633
Si	28	2	H2	386.260434	2.8	1569554.540
K	39	1	He	574.739769	5.1	595883.623
Ca	43	1	He	44802.26199	2.2	118351.380
Ti	47	1	He	0.446486	5.1	132.333
V	51	1	He	0.125899	69.7	465.620
Cr	52	1	He	0.133828	12.2	4160.603
Mn	55	1	He	79.234322	4.4	569799.977
Fe	56	1	He	96.796766	4.7	931222.293
Co	59	1	He	1.087585	1.9	17468.460
Ni	60	1	He	3.465529	3.4	14218.287
Cu	63	1	He	0.136703	7.1	1740.110
Zn	66	1	He	24.296224	2.7	61326.140
As	75	1	He	0.165292	8.2	572.510
Se	78	2	H2	0.047876	12.7	88.000
Sr	88	1	He	302.300493	3.5	4048958.167
Mo	95	1	He	0.033233	23.2	268.667
Pd	105	1	He	0.163994	5.6	2110.180
Ag	107	1	He	0.241358	38.9	5743.003
Cd	111	1	He	0.045205	9.2	216.283
Sn	118	1	He	0.042769	15.4	555.017
Sb	121	1	He	0.020673	13.7	408.343
Ba	138	1	He	1.841878	4.8	68386.680
Pt	195	1	He	0.003825	12.5	246.000
Hg	202	1	He	0.006806	29.8	162.667
Tl	205	1	He	0.105046	15.2	6188.187
Pb	208	1	He	0.110726	8.6	10690.013
Bi	209	1	He	0.016016	44.2	3030.417
Th	232	1	He	0.049868	17.9	4464.153
U	238	1	He	0.204757	8.9	15881.450

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.7141432	651262.353
Sc	45	2	H2	113.0361841	5566885.500
Ge	72	1	He	107.5880119	544948.020
Ge	72	2	H2	114.1263399	1946935.250
In	115	1	He	111.6495901	6602239.337
Tb	159	1	He	112.8994975	15582903.517
Ir	193	1	He	111.2825172	8048580.503

Sample Name	4309988_B69958Dx50
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	163SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/05/22 23:57:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.893214	1.8	567.010
Be	9	2	H2	0.117561	16.2	78.500
B	11	2	H2	-1.606572		2319.180
Na	23	1	He	397.325766	1.7	482560.213
Mg	24	1	He	1377.999872	1.5	917319.257
Al	27	1	He	14.292929	6.6	4737.440
Si	28	2	H2	77.852047	1.9	333081.520
K	39	1	He	117.564700	3.2	187423.627
Ca	43	1	He	9111.161096	2.2	24364.390
Ti	47	1	He	0.165504	28.0	50.333
V	51	1	He	0.084065	68.8	132.800
Cr	52	1	He	0.122582	33.8	4095.920
Mn	55	1	He	16.457186	2.1	120081.223
Fe	56	1	He	21.616115	5.2	219751.473
Co	59	1	He	0.284938	17.7	4685.447
Ni	60	1	He	0.817348	6.2	3578.450
Cu	63	1	He	0.151021	28.7	1928.803
Zn	66	1	He	5.320733	3.1	13777.220
As	75	1	He	0.082692	38.1	394.007
Se	78	2	H2	0.012780	78.7	51.000
Sr	88	1	He	61.084321	1.7	830662.177
Mo	95	1	He	0.065742	60.6	525.347
Pd	105	1	He	0.044417	11.7	765.030
Ag	107	1	He	0.075923	30.5	1920.160
Cd	111	1	He	0.061491	55.0	294.577
Sn	118	1	He	0.074685	63.8	930.047
Sb	121	1	He	0.062552	54.6	1126.733
Ba	138	1	He	0.435548	10.0	16586.777
Pt	195	1	He	0.011058	54.3	366.007
Hg	202	1	He	0.004378	56.6	148.667
Tl	205	1	He	0.078439	48.2	4842.717
Pb	208	1	He	0.080061	43.9	8624.510
Bi	209	1	He	0.055754	60.3	5694.837
Th	232	1	He	0.063858	61.0	5681.543
U	238	1	He	0.092371	41.0	7609.177

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	106.8909196	658512.000
Sc	45	2	H2	114.3906902	5633593.167
Ge	72	1	He	109.1458710	552838.790
Ge	72	2	H2	115.7598998	1974802.920
In	115	1	He	113.7055821	6723817.497
Tb	159	1	He	115.7891281	15981743.510
Ir	193	1	He	113.5867193	8215233.420

Sample Name	10606389002_B69958Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	164SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/06/22 00:01:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	9.092479	0.2	4944.640
Be	9	2	H2	0.059363	6.8	45.167
B	11	2	H2	29.845895	0.9	17545.817
Na	23	1	He	11511.87489	0.3	12999919.810
Mg	24	1	He	25810.74244	0.6	16355593.507
Al	27	1	He	15.678906	7.2	4947.557
Si	28	2	H2	5362.919214	0.7	21408558.667
K	39	1	He	1951.293172	0.2	1768912.733
Ca	43	1	He	80145.04143	0.3	204213.300
Ti	47	1	He	0.246983	4.6	71.000
V	51	1	He	0.432828	10.6	2962.270
Cr	52	1	He	0.398755	5.4	6562.817
Mn	55	1	He	0.649466	0.4	4840.143
Fe	56	1	He	10.464757	0.9	107285.260
Co	59	1	He	0.120032	4.6	1930.803
Ni	60	1	He	0.278751	9.6	1319.400
Cu	63	1	He	0.493925	1.7	5581.087
Zn	66	1	He	4.032547	1.4	10097.527
As	75	1	He	1.164521	2.1	2736.093
Se	78	2	H2	2.690754	0.8	2882.290
Sr	88	1	He	868.949592	1.3	11373593.163
Mo	95	1	He	0.675153	0.7	4957.543
Pd	105	1	He	0.438819	4.4	5054.290
Ag	107	1	He	0.021015	17.9	580.017
Cd	111	1	He	0.017399	11.2	88.773
Sn	118	1	He	0.036744	11.8	471.677
Sb	121	1	He	0.242779	4.0	3972.263
Ba	138	1	He	75.929411	0.4	2716300.897
Pt	195	1	He	0.273651	138.7	4361.297
Hg	202	1	He	0.007742	44.6	170.000
Tl	205	1	He	0.058153	5.4	3597.187
Pb	208	1	He	0.069636	2.6	7629.203
Bi	209	1	He	0.006139	39.3	2393.583
Th	232	1	He	0.014221	20.2	1670.123
U	238	1	He	16.464085	0.6	1236463.523

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.9155266	627860.603
Sc	45	2	H2	112.1118586	5521363.667
Ge	72	1	He	105.0771420	532230.120
Ge	72	2	H2	112.3006071	1915789.210
In	115	1	He	107.6401116	6365144.543
Tb	159	1	He	112.7550878	15562971.437
Ir	193	1	He	111.0518936	8031900.503

Sample Name	10606389002_B69958Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	165SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/06/22 00:05:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.053192	0.3	642.510
Be	9	2	H2	0.054023	5.0	42.333
B	11	2	H2	1.219664	11.4	3652.447
Na	23	1	He	1165.022877	4.4	1396376.123
Mg	24	1	He	2624.685809	4.7	1752351.377
Al	27	1	He	4.054145	4.9	1406.070
Si	28	2	H2	553.997767	0.2	2229957.000
K	39	1	He	195.958885	5.4	259785.740
Ca	43	1	He	8092.385106	4.2	21728.400
Ti	47	1	He	0.053544	15.9	17.000
V	51	1	He	0.067783	110.8	-24.267
Cr	52	1	He	0.279043	11.3	5701.793
Mn	55	1	He	0.112225	8.7	1172.053
Fe	56	1	He	2.400664	6.0	35113.380
Co	59	1	He	0.016961	1.6	333.340
Ni	60	1	He	0.053744	11.2	452.010
Cu	63	1	He	0.105678	7.0	1427.407
Zn	66	1	He	0.594848	4.3	1719.443
As	75	1	He	0.114301	13.4	468.677
Se	78	2	H2	0.263011	4.7	316.667
Sr	88	1	He	86.615791	3.1	1186385.060
Mo	95	1	He	0.072815	7.7	581.347
Pd	105	1	He	0.052805	24.5	863.370
Ag	107	1	He	0.017314	24.0	523.347
Cd	111	1	He	0.003566	46.3	30.560
Sn	118	1	He	0.017230	16.4	275.003
Sb	121	1	He	0.026843	5.9	521.680
Ba	138	1	He	7.357055	4.3	278367.300
Pt	195	1	He	0.000881	255.2	207.333
Hg	202	1	He	0.001372	15.8	125.667
Tl	205	1	He	0.011436	18.6	1038.387
Pb	208	1	He	0.009630	7.8	3251.850
Bi	209	1	He	0.003249	93.0	2276.907
Th	232	1	He	0.005753	3.4	1040.050
U	238	1	He	1.646987	4.0	128164.320

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	107.4408056	661899.627
Sc	45	2	H2	112.3216340	5531694.833
Ge	72	1	He	110.0020381	557175.393
Ge	72	2	H2	113.2110227	1931320.420
In	115	1	He	113.9193315	6736457.260
Tb	159	1	He	115.8579775	15991246.427
Ir	193	1	He	114.7482539	8299242.170

Sample Name	CCV
Sample Type	CCV
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	166_CCV.d
Data Path Name	D:\DATA
Acq. Date Time	05/06/22 00:08:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	74.957500	5.6	41989.730
Be	9	2	H2	73.038494	5.5	41745.467
B	11	2	H2	70.923244	5.5	39165.523
Na	23	1	He	1002.885199	1.2	1201598.653
Mg	24	1	He	992.146194	1.3	662292.843
Al	27	1	He	972.702491	1.0	317641.397
Si	28	2	H2	463.225528	5.6	1946681.210
K	39	1	He	997.548293	0.4	989791.183
Ca	43	1	He	1021.982781	1.7	2756.453
Ti	47	1	He	79.638184	0.4	23721.043
V	51	1	He	79.648345	0.9	679890.243
Cr	52	1	He	83.050070	0.8	842424.187
Mn	55	1	He	81.000862	0.9	590882.543
Fe	56	1	He	510.828550	0.9	4934735.833
Co	59	1	He	82.985468	0.9	1363496.540
Ni	60	1	He	84.298868	0.8	349612.720
Cu	63	1	He	84.531671	0.8	964462.957
Zn	66	1	He	81.372339	0.7	210352.293
As	75	1	He	79.082059	0.4	181181.877
Se	78	2	H2	77.501582	5.6	85507.107
Sr	88	1	He	80.597369	0.8	1108208.657
Mo	95	1	He	77.804654	1.3	601471.063
Pd	105	1	He	82.818694	1.2	960488.267
Ag	107	1	He	42.636903	0.9	1016810.063
Cd	111	1	He	80.241494	1.0	366165.193
Sn	118	1	He	77.162417	1.2	882798.763
Sb	121	1	He	76.922681	1.1	1309007.743
Ba	138	1	He	77.835799	0.4	2941700.477
Pt	195	1	He	82.711708	1.0	1303896.583
Hg	202	1	He	3.881067	0.6	29957.540
Tl	205	1	He	42.010668	1.1	2394346.943
Pb	208	1	He	81.799901	1.7	6264688.400
Bi	209	1	He	77.628427	1.9	5206137.007
Th	232	1	He	74.933987	1.2	6145653.240
U	238	1	He	76.258332	2.0	5981843.453

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	107.1072206	659844.543
Sc	45	2	H2	117.3110378	5777416.500
Ge	72	1	He	110.3609866	558993.517
Ge	72	2	H2	117.2131123	1999593.960
In	115	1	He	113.7163267	6724452.863
Tb	159	1	He	116.0291004	16014865.593
Ir	193	1	He	116.0376506	8392498.623

Sample Name	CCB
Sample Type	CCB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	167_CCB.d
Data Path Name	D:\DATA
Acq. Date Time	05/06/22 00:12:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.105630	14.5	132.500
Be	9	2	H2	0.070503	6.0	50.667
B	11	2	H2	-1.645542		2227.997
Na	23	1	He	2.493351	44.6	14762.420
Mg	24	1	He	0.118212	38.6	1625.107
Al	27	1	He	0.136535	37.0	119.333
Si	28	2	H2	-0.343435		14408.343
K	39	1	He	0.440829	1284.8	77761.757
Ca	43	1	He	0.608524	183.3	20.617
Ti	47	1	He	0.010410	64.8	4.000
V	51	1	He	0.011152	494.1	-458.463
Cr	52	1	He	-0.000440		2747.600
Mn	55	1	He	0.023673	34.4	503.343
Fe	56	1	He	0.200225	15.4	13287.390
Co	59	1	He	0.015715	65.6	300.723
Ni	60	1	He	0.003092	269.5	232.667
Cu	63	1	He	0.015089	53.4	378.673
Zn	66	1	He	0.028787	4.9	252.667
As	75	1	He	-0.008362		180.833
Se	78	2	H2	0.001205	327.1	37.000
Sr	88	1	He	0.032232	9.5	568.350
Mo	95	1	He	0.012529	35.4	110.667
Pd	105	1	He	0.018679	10.7	453.343
Ag	107	1	He	0.205472	33.2	4815.907
Cd	111	1	He	0.005603	25.5	38.643
Sn	118	1	He	0.013629	38.3	226.667
Sb	121	1	He	0.003096	36.5	113.333
Ba	138	1	He	0.004321	23.9	288.337
Pt	195	1	He	0.002506	50.3	225.333
Hg	202	1	He	0.025373	24.6	299.667
Tl	205	1	He	0.056738	33.9	3475.507
Pb	208	1	He	0.001561	99.9	2560.120
Bi	209	1	He	0.007482	4.8	2536.957
Th	232	1	He	0.021325	6.8	2276.887
U	238	1	He	0.004696	6.4	888.373

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.9767672	634398.480
Sc	45	2	H2	110.8091949	5457209.167
Ge	72	1	He	105.4476203	534106.643
Ge	72	2	H2	111.6511682	1904710.123
In	115	1	He	110.5848555	6539277.777
Tb	159	1	He	112.7462669	15561753.933
Ir	193	1	He	113.6562082	8220259.253

Sample Name	10606297001_B69958Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	168SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/06/22 00:16:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.979477	2.9	1647.423
Be	9	2	H2	0.058405	9.2	44.000
B	11	2	H2	18.394037	1.8	11806.433
Na	23	1	He	136332.7557	0.5	154355664.367
Mg	24	1	He	15159.24709	0.5	9639689.650
Al	27	1	He	53.287799	2.6	16687.117
Si	28	2	H2	4224.355599	1.0	16615692.333
K	39	1	He	2107.657003	0.2	1911082.940
Ca	43	1	He	66349.72400	0.2	169650.097
Ti	47	1	He	1.475327	8.3	420.677
V	51	1	He	0.626004	11.0	4549.270
Cr	52	1	He	0.559147	4.7	8132.277
Mn	55	1	He	217.632281	0.8	1515234.247
Fe	56	1	He	617.128933	0.4	5689714.833
Co	59	1	He	0.245541	3.8	3801.840
Ni	60	1	He	1.119487	1.9	4527.383
Cu	63	1	He	1.966124	2.7	21057.240
Zn	66	1	He	78.017989	0.8	187478.393
As	75	1	He	0.545668	1.2	1355.060
Se	78	2	H2	0.170034	5.0	210.333
Sr	88	1	He	149.617849	0.6	1912129.607
Mo	95	1	He	0.955432	28.3	6880.757
Pd	105	1	He	0.076812	9.4	1060.050
Ag	107	1	He	0.065418	17.6	1553.430
Cd	111	1	He	0.009681	8.4	54.430
Sn	118	1	He	0.066757	5.9	781.697
Sb	121	1	He	0.184953	4.1	2983.680
Ba	138	1	He	67.089261	0.7	2355752.050
Pt	195	1	He	0.010857	3.0	353.343
Hg	202	1	He	0.017954	15.7	246.000
Tl	205	1	He	0.024021	9.6	1706.793
Pb	208	1	He	0.464944	2.9	37014.950
Bi	209	1	He	0.010493	7.1	2690.323
Th	232	1	He	0.018007	2.4	1981.837
U	238	1	He	0.560343	0.8	42868.880

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.2680222	630032.187
Sc	45	2	H2	110.4493207	5439485.833
Ge	72	1	He	102.5859998	519612.143
Ge	72	2	H2	109.4331949	1866872.667
In	115	1	He	105.6509351	6247517.430
Tb	159	1	He	112.6759714	15552051.437
Ir	193	1	He	111.7983121	8085885.710

Sample Name	10606389009_B69958Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	169SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/06/22 00:19:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.131264	17.4	147.000
Be	9	2	H2	0.038944	15.3	33.833
B	11	2	H2	-3.411627		1388.897
Na	23	1	He	87.216624	9.7	113977.263
Mg	24	1	He	10.959845	10.9	8765.993
Al	27	1	He	10.078611	4.6	3307.703
Si	28	2	H2	0.770664	23.8	18917.353
K	39	1	He	0.559165	534.1	79686.933
Ca	43	1	He	48.290235	10.3	146.817
Ti	47	1	He	0.089774	14.5	27.333
V	51	1	He	-0.007509		-637.373
Cr	52	1	He	0.457057	5.5	7348.520
Mn	55	1	He	0.223173	11.0	1946.807
Fe	56	1	He	3.230783	1.3	42264.127
Co	59	1	He	0.005560	18.1	140.667
Ni	60	1	He	0.044524	19.8	397.343
Cu	63	1	He	0.091343	5.6	1214.720
Zn	66	1	He	0.953520	2.8	2539.560
As	75	1	He	-0.008103		182.500
Se	78	2	H2	0.002384	381.7	38.000
Sr	88	1	He	0.124875	11.8	1793.460
Mo	95	1	He	0.009906	37.5	92.000
Pd	105	1	He	0.005073	110.4	301.673
Ag	107	1	He	0.019205	21.6	553.350
Cd	111	1	He	0.000905	125.2	17.983
Sn	118	1	He	0.027129	8.5	378.343
Sb	121	1	He	0.010581	13.4	238.333
Ba	138	1	He	0.053822	10.3	2115.180
Pt	195	1	He	0.017695	19.4	462.010
Hg	202	1	He	0.008983	6.1	181.000
Tl	205	1	He	0.005076	33.7	663.357
Pb	208	1	He	0.001853	38.3	2613.463
Bi	209	1	He	0.004903	58.9	2350.253
Th	232	1	He	0.005144	28.3	973.380
U	238	1	He	0.002098	58.8	683.360

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.2018693	648106.440
Sc	45	2	H2	111.4850367	5490493.500
Ge	72	1	He	105.6883272	535325.857
Ge	72	2	H2	110.7596305	1889500.960
In	115	1	He	110.7333052	6548056.137
Tb	159	1	He	113.8983354	15720767.680
Ir	193	1	He	112.8912969	8164936.543

Sample Name	10606426001_B69958Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	170SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/06/22 00:23:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.394661	4.3	282.000
Be	9	2	H2	0.060694	22.9	44.833
B	11	2	H2	-0.548878		2721.247
Na	23	1	He	91608.86725	0.9	102195745.143
Mg	24	1	He	272.927907	1.5	172475.153
Al	27	1	He	237.010855	1.6	72861.617
Si	28	2	H2	729.687168	0.2	2857769.083
K	39	1	He	4586.302581	0.6	4008182.130
Ca	43	1	He	572.658492	2.3	1461.323
Ti	47	1	He	2.195218	4.7	616.347
V	51	1	He	0.452961	30.9	3096.977
Cr	52	1	He	6.236932	1.8	62002.923
Mn	55	1	He	490.574075	1.2	3364786.083
Fe	56	1	He	54978.92779	1.2	498414784.000
Co	59	1	He	0.488258	0.8	7644.687
Ni	60	1	He	4.274625	1.0	16985.897
Cu	63	1	He	0.746553	1.7	8274.370
Zn	66	1	He	31.716967	1.2	77711.183
As	75	1	He	8.071204	0.8	17677.430
Se	78	2	H2	0.019735	53.3	56.667
Sr	88	1	He	2.083226	1.6	27249.343
Mo	95	1	He	0.153356	3.8	1130.047
Pd	105	1	He	-0.001031		223.333
Ag	107	1	He	0.022394	20.9	605.023
Cd	111	1	He	0.002864	11.4	25.800
Sn	118	1	He	2.806840	0.4	30205.967
Sb	121	1	He	3.893134	2.5	62239.707
Ba	138	1	He	20.925098	0.7	742178.947
Pt	195	1	He	0.010646	5.4	348.010
Hg	202	1	He	0.013675	9.4	212.667
Tl	205	1	He	0.012535	14.8	1063.387
Pb	208	1	He	0.089018	3.4	9009.533
Bi	209	1	He	0.002311	70.4	2130.213
Th	232	1	He	0.016169	10.0	1808.477
U	238	1	He	0.007875	16.7	1098.393

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.7695275	620800.563
Sc	45	2	H2	109.4747976	5391491.833
Ge	72	1	He	104.4474545	529040.667
Ge	72	2	H2	112.1502897	1913224.873
In	115	1	He	106.7112131	6310215.457
Tb	159	1	He	111.9675408	15454270.603
Ir	193	1	He	110.1371450	7965740.713

Sample Name	10606426001_B69958Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	171SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/06/22 00:27:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.172948	6.8	178.500
Be	9	2	H2	0.042173	29.2	37.500
B	11	2	H2	-2.699548		1828.443
Na	23	1	He	9332.225795	3.0	11202681.497
Mg	24	1	He	29.952152	2.9	21804.350
Al	27	1	He	26.804136	2.2	8932.020
Si	28	2	H2	74.173310	1.0	327178.927
K	39	1	He	459.836548	4.2	505343.403
Ca	43	1	He	65.572823	3.8	197.833
Ti	47	1	He	0.216758	6.6	66.333
V	51	1	He	0.123169	53.5	484.527
Cr	52	1	He	0.683049	2.4	9883.353
Mn	55	1	He	49.322889	2.7	364018.377
Fe	56	1	He	5604.532409	2.9	54631897.333
Co	59	1	He	0.051785	4.7	913.367
Ni	60	1	He	0.456713	0.6	2138.163
Cu	63	1	He	0.099775	4.7	1374.737
Zn	66	1	He	3.526543	1.9	9359.040
As	75	1	He	0.785494	1.9	2019.810
Se	78	2	H2	0.000970	1066.5	38.667
Sr	88	1	He	0.254424	5.5	3672.170
Mo	95	1	He	0.042740	6.0	354.677
Pd	105	1	He	-0.001725		233.337
Ag	107	1	He	0.011256	12.7	386.677
Cd	111	1	He	0.002638	20.5	26.933
Sn	118	1	He	0.319338	6.4	3795.540
Sb	121	1	He	0.436651	5.6	7623.803
Ba	138	1	He	2.042484	1.8	78712.960
Pt	195	1	He	-0.000442		188.000
Hg	202	1	He	0.004755	71.2	154.000
Tl	205	1	He	0.001467	89.5	476.680
Pb	208	1	He	0.008258	23.6	3190.170
Bi	209	1	He	0.002284	114.4	2236.893
Th	232	1	He	0.004700	37.1	963.380
U	238	1	He	0.002077	82.6	700.027

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	108.3801657	667686.647
Sc	45	2	H2	117.6410059	5793667.000
Ge	72	1	He	111.1109261	562792.063
Ge	72	2	H2	117.7637399	2008987.377
In	115	1	He	115.7968401	6847481.057
Tb	159	1	He	117.5220382	16220927.677
Ir	193	1	He	115.6071354	8361361.333

Sample Name	10606389003_B69958Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	172SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/06/22 00:30:59
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	24.930725	0.6	14038.650
Be	9	2	H2	0.114573	2.2	78.833
B	11	2	H2	18.526400	0.6	12601.913
Na	23	1	He	21674.40550	21.3	22722326.327
Mg	24	1	He	79962.62900	20.9	47082259.297
Al	27	1	He	14.060712	21.2	4129.910
Si	28	2	H2	7109.631849	0.0	29677901.333
K	39	1	He	5238.676798	22.2	4287915.350
Ca	43	1	He	396830.4503	21.7	938540.603
Ti	47	1	He	0.189569	8.8	51.667
V	51	1	He	0.169208	12.1	762.370
Cr	52	1	He	0.698696	25.5	8810.000
Mn	55	1	He	0.603224	20.0	4213.283
Fe	56	1	He	13.744224	18.5	128333.580
Co	59	1	He	0.124913	19.6	1809.450
Ni	60	1	He	1.371245	19.3	5080.233
Cu	63	1	He	0.288588	23.7	3008.987
Zn	66	1	He	30.444430	21.3	67467.787
As	75	1	He	0.449721	23.1	1062.873
Se	78	2	H2	0.470571	3.5	543.010
Sr	88	1	He	2843.274347	20.7	33479829.503
Mo	95	1	He	0.106749	20.5	715.357
Pd	105	1	He	1.518919	22.3	15079.833
Ag	107	1	He	0.009114	30.1	280.007
Cd	111	1	He	0.080498	23.1	322.203
Sn	118	1	He	0.170728	13.1	1735.127
Sb	121	1	He	0.077887	19.4	1178.393
Ba	138	1	He	24.383256	22.1	778012.617
Pt	195	1	He	0.010416	16.3	307.340
Hg	202	1	He	0.011189	34.0	172.000
Tl	205	1	He	0.022794	17.1	1441.753
Pb	208	1	He	0.010645	56.7	2856.810
Bi	209	1	He	0.015531	22.5	2586.983
Th	232	1	He	0.016499	22.4	1580.120
U	238	1	He	6.268110	21.0	398673.443

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.22215392	598946.620
Sc	45	2	H2	117.2568908	5774749.833
Ge	72	1	He	96.91992536	490912.700
Ge	72	2	H2	114.2635339	1949275.707
In	115	1	He	98.69282629	5836059.580
Tb	159	1	He	100.6546057	13892807.710
Ir	193	1	He	96.47102786	6977329.893

Sample Name	10606389003_B69958Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	173SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/06/22 00:34:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.841309	2.3	1687.930
Be	9	2	H2	0.048571	30.5	41.500
B	11	2	H2	-0.402567		3017.800
Na	23	1	He	1952.762046	0.3	2435931.837
Mg	24	1	He	7260.482619	0.1	5060847.007
Al	27	1	He	3.550352	1.4	1296.727
Si	28	2	H2	746.247479	0.7	3160035.750
K	39	1	He	456.193917	0.5	519479.067
Ca	43	1	He	35352.97890	0.5	99076.680
Ti	47	1	He	0.034936	27.6	12.000
V	51	1	He	-0.015128		-745.530
Cr	52	1	He	0.099402	11.2	4049.907
Mn	55	1	He	0.062103	4.4	842.030
Fe	56	1	He	1.870934	1.9	31321.430
Co	59	1	He	0.011701	4.0	256.000
Ni	60	1	He	0.137222	4.4	825.360
Cu	63	1	He	0.043712	10.1	749.353
Zn	66	1	He	2.944266	0.4	8043.577
As	75	1	He	0.038693	6.9	307.167
Se	78	2	H2	0.045632	17.9	89.333
Sr	88	1	He	252.582702	1.3	3583503.593
Mo	95	1	He	0.012498	7.9	120.000
Pd	105	1	He	0.130599	4.1	1843.467
Ag	107	1	He	0.005691	33.3	258.337
Cd	111	1	He	0.006984	37.0	48.313
Sn	118	1	He	0.027975	40.1	415.010
Sb	121	1	He	0.012345	7.1	286.677
Ba	138	1	He	2.153639	1.1	85161.907
Pt	195	1	He	0.000517	313.6	206.667
Hg	202	1	He	0.003940	30.0	149.667
Tl	205	1	He	0.002402	31.7	540.020
Pb	208	1	He	0.001065	146.7	2675.143
Bi	209	1	He	0.003351	40.0	2323.590
Th	232	1	He	0.002119	51.3	756.697
U	238	1	He	0.545120	2.2	43499.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	112.0806895	690484.087
Sc	45	2	H2	118.3847175	5830293.833
Ge	72	1	He	113.8919875	576878.520
Ge	72	2	H2	119.1079146	2031918.290
In	115	1	He	118.7906334	7024514.753
Tb	159	1	He	119.3310762	16470619.340
Ir	193	1	He	116.5915429	8432559.247

Sample Name	10606389004_B69958Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	174SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/06/22 00:38:18
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.831535	1.1	3303.027
Be	9	2	H2	0.028408	14.7	29.167
B	11	2	H2	9.889033	1.7	8110.010
Na	23	1	He	2227.167812	0.5	2675293.710
Mg	24	1	He	23745.74685	0.6	15945238.510
Al	27	1	He	27.694755	0.7	9197.837
Si	28	2	H2	4360.728042	0.3	17975913.333
K	39	1	He	1400.059262	0.6	1367932.897
Ca	43	1	He	56971.08332	0.4	153836.250
Ti	47	1	He	0.617976	1.0	186.667
V	51	1	He	1.310765	5.1	10701.350
Cr	52	1	He	0.575088	1.9	8751.293
Mn	55	1	He	1.008084	0.3	7765.407
Fe	56	1	He	31.445232	0.4	317555.897
Co	59	1	He	0.043417	4.8	764.020
Ni	60	1	He	0.248736	2.8	1253.393
Cu	63	1	He	0.240935	1.5	2955.643
Zn	66	1	He	1.507653	2.7	4055.913
As	75	1	He	1.700546	1.8	4072.743
Se	78	2	H2	0.786859	2.9	893.363
Sr	88	1	He	236.411413	0.8	3228273.597
Mo	95	1	He	0.450903	2.7	3480.433
Pd	105	1	He	0.122377	3.2	1658.447
Ag	107	1	He	0.003900	20.9	203.333
Cd	111	1	He	0.001478	93.5	21.043
Sn	118	1	He	0.031919	2.6	440.010
Sb	121	1	He	0.051920	3.0	941.707
Ba	138	1	He	57.798871	0.4	2170092.470
Pt	195	1	He	0.007909	26.1	317.340
Hg	202	1	He	0.006368	18.2	164.333
Tl	205	1	He	0.188558	3.8	11139.733
Pb	208	1	He	0.058571	3.5	7004.067
Bi	209	1	He	0.003558	68.3	2306.910
Th	232	1	He	0.009027	56.8	1308.787
U	238	1	He	2.701184	0.3	210636.917

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	108.0005521	665348.000
Sc	45	2	H2	115.7531694	5700693.500
Ge	72	1	He	109.6126527	555203.103
Ge	72	2	H2	115.5350487	1970967.080
In	115	1	He	112.9688111	6680249.593
Tb	159	1	He	116.0457853	16017168.510
Ir	193	1	He	115.0612912	8321882.793

Sample Name	10606389004_B69958Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	175SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/06/22 00:41:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.660391	5.7	441.343
Be	9	2	H2	0.025514	19.7	27.333
B	11	2	H2	-1.676890		2292.843
Na	23	1	He	234.887992	1.4	294655.133
Mg	24	1	He	2454.089367	1.4	1656544.923
Al	27	1	He	5.587635	0.9	1928.800
Si	28	2	H2	442.188647	1.3	1822792.833
K	39	1	He	140.159338	0.7	211089.327
Ca	43	1	He	5795.168104	0.4	15736.697
Ti	47	1	He	0.089163	13.6	28.000
V	51	1	He	0.164510	50.3	836.093
Cr	52	1	He	0.079659	24.9	3717.150
Mn	55	1	He	0.119978	2.9	1242.060
Fe	56	1	He	4.194228	1.4	52986.993
Co	59	1	He	0.005651	32.7	149.333
Ni	60	1	He	0.035483	12.9	380.010
Cu	63	1	He	0.055117	1.6	860.697
Zn	66	1	He	0.311162	1.2	998.707
As	75	1	He	0.178379	6.1	620.343
Se	78	2	H2	0.073681	7.5	117.333
Sr	88	1	He	23.674501	0.9	327282.253
Mo	95	1	He	0.045072	9.3	370.677
Pd	105	1	He	0.009255	21.3	361.677
Ag	107	1	He	0.002563	43.1	175.000
Cd	111	1	He	0.001374	137.0	20.933
Sn	118	1	He	0.009896	49.4	193.337
Sb	121	1	He	0.009295	47.3	225.007
Ba	138	1	He	5.705250	0.3	218195.467
Pt	195	1	He	0.000010	2059.5	194.667
Hg	202	1	He	0.002796	29.0	138.000
Tl	205	1	He	0.023461	7.8	1741.797
Pb	208	1	He	0.006870	17.1	3073.497
Bi	209	1	He	0.000945	294.6	2150.213
Th	232	1	He	0.001957	35.3	740.030
U	238	1	He	0.269865	2.7	21684.857

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	108.4830880	668320.710
Sc	45	2	H2	114.8340250	5655426.833
Ge	72	1	He	110.9249818	561850.230
Ge	72	2	H2	115.7898708	1975314.210
In	115	1	He	115.0059104	6800710.557
Tb	159	1	He	117.0912574	16161469.343
Ir	193	1	He	115.9074294	8383080.293

Sample Name	10606389008_B69958Dx1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	176SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/06/22 00:45:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	16.345311	0.4	9196.617
Be	9	2	H2	0.022396	3.6	26.000
B	11	2	H2	118.537480	0.9	63148.180
Na	23	1	He	80028.16829	0.4	94985688.587
Mg	24	1	He	14721.24746	0.4	9812992.353
Al	27	1	He	10.373124	1.0	3469.740
Si	28	2	H2	5632.890806	0.5	23426456.000
K	39	1	He	15392.17407	0.2	14121055.623
Ca	43	1	He	20934.13382	0.7	56122.677
Ti	47	1	He	0.133971	13.0	41.000
V	51	1	He	3.164168	1.5	26471.237
Cr	52	1	He	0.702276	2.1	9974.067
Mn	55	1	He	0.049954	5.9	716.687
Fe	56	1	He	3.314623	0.5	43882.183
Co	59	1	He	0.025064	4.7	463.343
Ni	60	1	He	0.322471	8.6	1553.423
Cu	63	1	He	1.029029	1.2	11856.170
Zn	66	1	He	1.826036	3.4	4860.820
As	75	1	He	4.380393	0.5	10139.547
Se	78	2	H2	1.824879	3.6	2031.480
Sr	88	1	He	757.429693	0.1	10317972.970
Mo	95	1	He	7.070660	1.0	54039.913
Pd	105	1	He	0.373050	4.0	4522.430
Ag	107	1	He	0.001532	78.4	146.667
Cd	111	1	He	0.002448	56.1	25.273
Sn	118	1	He	0.032720	5.9	446.677
Sb	121	1	He	0.187682	4.5	3220.397
Ba	138	1	He	22.403000	0.2	836938.947
Pt	195	1	He	0.006232	26.1	294.003
Hg	202	1	He	0.005744	46.7	161.000
Tl	205	1	He	0.032188	5.3	2245.210
Pb	208	1	He	0.003533	51.3	2818.487
Bi	209	1	He	0.001564	249.8	2170.217
Th	232	1	He	0.000772	87.0	636.687
U	238	1	He	4.294874	0.7	333967.270

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	107.2013635	660424.520
Sc	45	2	H2	116.8050312	5752496.333
Ge	72	1	He	109.3508678	553877.127
Ge	72	2	H2	116.0039843	1978966.873
In	115	1	He	112.3926140	6646176.997
Tb	159	1	He	117.2047004	16177127.260
Ir	193	1	He	114.8414522	8305982.793

Sample Name	10606389008_B69958Dx10
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	177SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/06/22 00:49:17
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.853630	2.7	1121.207
Be	9	2	H2	0.018363	31.6	23.833
B	11	2	H2	10.320036	1.0	8452.197
Na	23	1	He	8222.992112	0.9	10207052.140
Mg	24	1	He	1497.450342	0.7	1044229.980
Al	27	1	He	5.352775	0.8	1910.793
Si	28	2	H2	565.276426	0.5	2380021.667
K	39	1	He	1577.293387	0.6	1587293.883
Ca	43	1	He	2129.147725	0.8	5981.387
Ti	47	1	He	0.032862	41.2	11.333
V	51	1	He	0.336284	11.5	2392.957
Cr	52	1	He	0.118875	6.7	4252.627
Mn	55	1	He	0.024504	2.2	554.677
Fe	56	1	He	1.169978	2.5	24232.697
Co	59	1	He	0.003773	26.7	121.333
Ni	60	1	He	0.038801	18.5	403.343
Cu	63	1	He	0.133006	6.0	1796.117
Zn	66	1	He	0.291829	0.3	971.367
As	75	1	He	0.430758	2.4	1229.883
Se	78	2	H2	0.168949	3.9	224.667
Sr	88	1	He	74.742183	0.8	1057905.817
Mo	95	1	He	0.690383	3.6	5566.440
Pd	105	1	He	0.030560	17.9	628.353
Ag	107	1	He	0.003175	68.2	195.000
Cd	111	1	He	0.000985	138.6	19.663
Sn	118	1	He	0.008481	46.6	181.667
Sb	121	1	He	0.021196	9.7	441.677
Ba	138	1	He	2.229560	1.1	87724.457
Pt	195	1	He	-0.000021		199.333
Hg	202	1	He	0.003675	59.8	148.667
Tl	205	1	He	0.002921	13.9	575.020
Pb	208	1	He	0.000469	339.4	2648.463
Bi	209	1	He	-0.000276		2100.210
Th	232	1	He	0.001576	57.4	720.027
U	238	1	He	0.426677	2.4	34509.153

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	111.9841745	689889.497
Sc	45	2	H2	117.5060108	5787018.667
Ge	72	1	He	113.6017597	575408.477
Ge	72	2	H2	117.5495455	2005333.333
In	115	1	He	118.2003057	6989606.567
Tb	159	1	He	120.2141043	16592498.917
Ir	193	1	He	117.7323035	8515065.497

Sample Name	CCV
Sample Type	CCV
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	178_CCV.d
Data Path Name	D:\DATA
Acq. Date Time	05/06/22 00:52:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	78.911504	1.3	44326.007
Be	9	2	H2	77.447612	1.3	44388.780
B	11	2	H2	74.974155	0.3	41332.600
Na	23	1	He	1015.332085	0.2	1275306.050
Mg	24	1	He	995.377076	0.1	696640.277
Al	27	1	He	983.307693	0.3	336671.583
Si	28	2	H2	491.089490	1.5	2068545.750
K	39	1	He	1001.254388	0.5	1041336.547
Ca	43	1	He	1018.046169	0.8	2878.970
Ti	47	1	He	79.877953	0.5	24946.060
V	51	1	He	79.620974	0.9	712626.537
Cr	52	1	He	82.758652	0.3	880188.270
Mn	55	1	He	80.610411	0.4	616548.127
Fe	56	1	He	507.327651	0.3	5138570.333
Co	59	1	He	83.353332	0.6	1421809.997
Ni	60	1	He	84.485286	0.7	363755.043
Cu	63	1	He	84.863421	0.3	1005198.380
Zn	66	1	He	81.522941	0.5	218779.730
As	75	1	He	79.374547	0.3	188788.583
Se	78	2	H2	80.746657	1.9	89008.090
Sr	88	1	He	80.388681	0.2	1147504.930
Mo	95	1	He	77.072421	0.8	619852.023
Pd	105	1	He	82.826300	0.6	999350.323
Ag	107	1	He	42.417726	1.6	1052360.817
Cd	111	1	He	80.294009	0.5	381190.697
Sn	118	1	He	76.579708	0.6	911492.693
Sb	121	1	He	76.292178	0.8	1350663.367
Ba	138	1	He	77.167102	0.3	3034066.207
Pt	195	1	He	82.713933	1.1	1338692.333
Hg	202	1	He	3.865684	1.3	30634.763
Tl	205	1	He	42.174683	0.6	2467892.203
Pb	208	1	He	82.018450	0.5	6449567.770
Bi	209	1	He	79.016034	1.0	5407689.293
Th	232	1	He	75.592521	0.9	6326512.200
U	238	1	He	77.089959	0.6	6171201.783

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	112.3007639	691839.877
Sc	45	2	H2	117.4402527	5783780.167
Ge	72	1	He	114.5716664	580321.187
Ge	72	2	H2	116.9835890	1995678.413
In	115	1	He	118.3021198	6995627.197
Tb	159	1	He	119.1237821	16442007.673
Ir	193	1	He	118.4126321	8564270.703

Sample Name	CCB
Sample Type	CCB
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	179_CCB.d
Data Path Name	D:\DATA
Acq. Date Time	05/06/22 00:56:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.112953	12.7	140.500
Be	9	2	H2	0.042021	11.9	36.333
B	11	2	H2	-2.093705		2073.310
Na	23	1	He	5.762505	1.0	19738.103
Mg	24	1	He	-0.183412		1525.090
Al	27	1	He	0.202496	20.2	149.667
Si	28	2	H2	-0.381817		14684.587
K	39	1	He	-1.987219		80739.280
Ca	43	1	He	-0.838839		18.117
Ti	47	1	He	0.001903	199.6	1.667
V	51	1	He	0.009424	420.6	-514.603
Cr	52	1	He	-0.010975		2820.277
Mn	55	1	He	0.015592	6.2	476.677
Fe	56	1	He	0.244957	8.2	14601.307
Co	59	1	He	0.008304	21.7	194.667
Ni	60	1	He	-0.008716		197.333
Cu	63	1	He	0.008570	13.7	329.337
Zn	66	1	He	0.014424	42.2	230.000
As	75	1	He	-0.012529		182.667
Se	78	2	H2	0.002237	424.7	39.000
Sr	88	1	He	0.023995	40.0	488.347
Mo	95	1	He	0.010640	23.9	102.667
Pd	105	1	He	0.012457	21.2	403.343
Ag	107	1	He	0.192731	24.5	4812.567
Cd	111	1	He	0.006914	16.2	46.980
Sn	118	1	He	0.009037	20.7	185.000
Sb	121	1	He	0.003704	66.5	130.000
Ba	138	1	He	0.005900	19.1	365.010
Pt	195	1	He	0.004980	64.1	276.670
Hg	202	1	He	0.025293	14.2	316.003
Tl	205	1	He	0.046554	23.5	3103.733
Pb	208	1	He	0.001300	222.0	2671.803
Bi	209	1	He	0.008069	38.2	2690.323
Th	232	1	He	0.021376	11.3	2386.907
U	238	1	He	0.005020	17.5	955.043

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	109.6596881	675569.270
Sc	45	2	H2	114.1375735	5621127.500
Ge	72	1	He	111.7252642	565903.770
Ge	72	2	H2	114.2569172	1949162.830
In	115	1	He	116.1740941	6869789.433
Tb	159	1	He	118.3496476	16335158.090
Ir	193	1	He	118.7236329	8586764.040

Sample Name	rinse-1
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	180SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/06/22 01:00:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.071968	8.4	118.167
Be	9	2	H2	0.025552	13.8	27.167
B	11	2	H2	-2.672170		1787.437
Na	23	1	He	4.429304	3.8	18015.903
Mg	24	1	He	-0.185397		1515.090
Al	27	1	He	0.125846	12.5	123.333
Si	28	2	H2	-0.238092		15270.343
K	39	1	He	-2.414562		79879.657
Ca	43	1	He	0.087270	1719.3	20.517
Ti	47	1	He	0.003038	188.3	2.000
V	51	1	He	-0.006984		-654.483
Cr	52	1	He	-0.016732		2744.937
Mn	55	1	He	0.008412	67.2	420.677
Fe	56	1	He	0.224056	5.7	14313.683
Co	59	1	He	0.002408	20.9	95.333
Ni	60	1	He	-0.009225		192.667
Cu	63	1	He	0.001984	86.5	250.000
Zn	66	1	He	0.048635	4.8	315.333
As	75	1	He	-0.015149		174.333
Se	78	2	H2	-0.006137		30.000
Sr	88	1	He	0.017521	30.6	393.343
Mo	95	1	He	0.003490	53.1	46.000
Pd	105	1	He	0.001300	349.6	270.007
Ag	107	1	He	0.036307	15.8	995.043
Cd	111	1	He	0.001285	56.9	20.657
Sn	118	1	He	0.011375	10.8	211.667
Sb	121	1	He	0.002479	49.7	108.333
Ba	138	1	He	0.001595	11.0	198.333
Pt	195	1	He	0.000656	282.0	206.667
Hg	202	1	He	0.012065	32.7	211.667
Tl	205	1	He	0.009969	8.2	973.380
Pb	208	1	He	-0.003412		2298.450
Bi	209	1	He	0.002446	74.5	2293.577
Th	232	1	He	0.005930	19.1	1086.720
U	238	1	He	0.001446	39.1	665.023

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	109.0304202	671692.603
Sc	45	2	H2	114.1285276	5620682.000
Ge	72	1	He	110.2797337	558581.960
Ge	72	2	H2	114.5760631	1954607.290
In	115	1	He	115.7859619	6846837.787
Tb	159	1	He	118.0673971	16296200.593
Ir	193	1	He	118.1686776	8546626.540

Sample Name	rinse-2
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	181SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/06/22 01:03:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.049140	12.2	105.167
Be	9	2	H2	0.018594	15.0	23.167
B	11	2	H2	-2.953229		1639.757
Na	23	1	He	3.538605	2.8	16832.857
Mg	24	1	He	-0.313490		1420.083
Al	27	1	He	0.168665	10.7	136.667
Si	28	2	H2	-0.402471		14522.510
K	39	1	He	-1.134210		80548.443
Ca	43	1	He	-0.445516		18.967
Ti	47	1	He	0.009694	58.9	4.000
V	51	1	He	-0.032468		-872.843
Cr	52	1	He	-0.025970		2632.913
Mn	55	1	He	0.009664	54.1	427.343
Fe	56	1	He	0.211938	12.2	14103.473
Co	59	1	He	0.001303	96.1	76.667
Ni	60	1	He	-0.014443		170.000
Cu	63	1	He	-0.001759		206.000
Zn	66	1	He	0.032464	29.5	272.000
As	75	1	He	-0.017088		168.833
Se	78	2	H2	-0.010542		25.000
Sr	88	1	He	0.019173	20.1	413.343
Mo	95	1	He	0.002850	22.5	40.667
Pd	105	1	He	0.000338	1409.3	256.670
Ag	107	1	He	0.017731	10.2	540.013
Cd	111	1	He	0.000600	21.3	17.323
Sn	118	1	He	0.003016	65.2	113.333
Sb	121	1	He	0.001651	35.5	93.333
Ba	138	1	He	0.001634	73.7	198.333
Pt	195	1	He	0.000347	572.8	200.000
Hg	202	1	He	0.008234	19.0	180.333
Tl	205	1	He	0.003240	15.6	578.350
Pb	208	1	He	-0.003414		2280.113
Bi	209	1	He	0.005694	59.5	2473.607
Th	232	1	He	0.004238	26.0	928.377
U	238	1	He	0.001079	60.1	625.020

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	108.3358951	667413.913
Sc	45	2	H2	113.5278451	5591099.167
Ge	72	1	He	109.6230309	555255.670
Ge	72	2	H2	113.2808883	1932512.290
In	115	1	He	114.8722785	6792808.420
Tb	159	1	He	117.1157820	16164854.343
Ir	193	1	He	116.1897462	8403499.040

Sample Name	rinse-3
Sample Type	Sample
Operator	R Schnobrich
Instrument	10ICMC - 200.8 6020 A/B
Batch Name	050522B.b
Data File Name	182SMPL.d
Data Path Name	D:\DATA
Acq. Date Time	05/06/22 01:07:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.060120	27.2	110.167
Be	9	2	H2	0.015306	55.1	21.167
B	11	2	H2	-2.997276		1604.590
Na	23	1	He	2.769740	12.6	15858.483
Mg	24	1	He	-0.181185		1503.423
Al	27	1	He	0.026183	56.9	89.333
Si	28	2	H2	-0.364129		14555.340
K	39	1	He	-1.917210		79562.897
Ca	43	1	He	-0.330447		19.200
Ti	47	1	He	0.003084	106.7	2.000
V	51	1	He	0.004864	1804.8	-543.833
Cr	52	1	He	-0.023055		2653.580
Mn	55	1	He	0.004070	61.4	384.677
Fe	56	1	He	0.165732	28.9	13607.013
Co	59	1	He	0.001749	14.2	84.000
Ni	60	1	He	-0.013479		174.000
Cu	63	1	He	-0.000533		220.000
Zn	66	1	He	0.013780	6.0	224.000
As	75	1	He	-0.015187		173.167
Se	78	2	H2	-0.011867		23.333
Sr	88	1	He	0.016234	18.9	373.343
Mo	95	1	He	0.000536	168.3	22.667
Pd	105	1	He	-0.001443		236.667
Ag	107	1	He	0.008687	12.5	323.343
Cd	111	1	He	-0.000421		12.663
Sn	118	1	He	0.001402	55.5	95.000
Sb	121	1	He	-0.000589		55.000
Ba	138	1	He	0.001053	82.7	176.667
Pt	195	1	He	0.000591	119.7	203.333
Hg	202	1	He	0.005976	31.1	162.333
Tl	205	1	He	0.002704	80.6	546.680
Pb	208	1	He	-0.003244		2286.780
Bi	209	1	He	0.003984	143.5	2376.927
Th	232	1	He	0.002734	42.3	811.700
U	238	1	He	0.001714	14.2	680.023

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	107.9799708	665221.207
Sc	45	2	H2	112.5785951	5544349.833
Ge	72	1	He	109.6073926	555176.460
Ge	72	2	H2	112.1108590	1912552.207
In	115	1	He	115.2559378	6815495.567
Tb	159	1	He	116.8010796	16121417.677
Ir	193	1	He	117.0897842	8468594.873

Prep Log Report

Batch Information: MPRP 812437 6020BS_P

Template Version: ENV-EPL-MIN4-0015-Rev.00 (13Dec2020)

Prep Method	EPA 3050B	Analysis Method	EPA 6020B	Prepared By	NJ1	Instrument	10BL04
Block ID	10MET50	Thermometer ID	210354356	Correction Factor (C)	.5	Block Temp (C)	93.4
Corrected Temp. (C)	93.90	Digestion Start Date/Time	05/03/2022 17:29:42:290	Digestion End Date/Time	05/03/2022 19:56:35:255	Block End Temp (C)	95.4
Corrected End Temp. (C)	95.90	Digestion Vessel	360406	Resin Pellets Solid Matrix	344615	Metals Pipette 1	Q765
Metals Pipette 2		Bottle Disp. 1	Q814	Bottle Disp. 2	Q791	Bottle Disp. 3	Q452
Reviewed By	RJS	Reviewed By Date	05/04/2022 08:02	Batch Notes			

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Matrix	Initial Weight (g)	Conc. HNO3 (mL)	H2O2 (mL)	Conc. HCL (mL)	Final Volume (mL)	Sample Notes	Hg-SPK (mL)	METALS-STK1 (mL)	METALS-STK2 (mL)
6020BS_P	BLANK	**4308596**	Solid	1.067	357589 (7.5)	332176 (2.5)	357590 (5)	50				
6020BS_P	LCS	**4308597**	Solid	1.016	357589 (7.5)	332176 (2.5)	357590 (5)	50		363145 (.25)	343315 (.5)	343316 (.5)
6020BS_P	PS	**10606046001**	Solid	1.039	357589 (7.5)	332176 (2.5)	357590 (5)	50				
6020BS_P	MS	**4308598**	Solid	1.043	357589 (7.5)	332176 (2.5)	357590 (5)	50		363145 (.25)	343315 (.5)	343316 (.5)
6020BS_P	MSD	**4308599**	Solid	1.017	357589 (7.5)	332176 (2.5)	357590 (5)	50		363145 (.25)	343315 (.5)	343316 (.5)
6020BS_P	PS	**10606394001**	Solid	1.022	357589 (7.5)	332176 (2.5)	357590 (5)	50				
6020BS_P	PS	**10606394002**	Solid	1.03	357589 (7.5)	332176 (2.5)	357590 (5)	50				
6020BS_P	PS	**10606394003**	Solid	1.012	357589 (7.5)	332176 (2.5)	357590 (5)	50				
6020BS_P	PS	**10606394004**	Solid	1.07	357589 (7.5)	332176 (2.5)	357590 (5)	50				
6020BS_P	PS	**10606395001**	Solid	1.05	357589 (7.5)	332176 (2.5)	357590 (5)	50				
6020BS_P	PS	**10606395002**	Solid	1.085	357589 (7.5)	332176 (2.5)	357590 (5)	50				
6020BS_P	PS	**10606395003**	Solid	1.02	357589 (7.5)	332176 (2.5)	357590 (5)	50				
6020BS_P	PS	**10606395004**	Solid	1.031	357589 (7.5)	332176 (2.5)	357590 (5)	50				

Standard Notes:

343315: ZPACEMN-116 (MIX 1) **343316: ZPACEMN-106** **363145: Intermediate Spike for ICPMS Soil**

SAMPLE NO.

FD02-042722-0-10

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Lab Sample ID: 10606395001 Percent Moisture: 51.4

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury	ND	U	mg/kg	1	05/10/2022 12:45

SAMPLE NO.

BNSF-BG18-042722-0-10

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Lab Sample ID: 10606395002 Percent Moisture: 46.4

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury	ND	U	mg/kg	1	05/10/2022 12:46

SAMPLE NO.

BNSF-BG19-042722-0-10

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Lab Sample ID: 10606395003 Percent Moisture: 23.3

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury	ND	U	mg/kg	1	05/10/2022 12:48

SAMPLE NO.

BNSF-SG03-042722-0-5.5

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Lab Sample ID: 10606395004 Percent Moisture: 29.7

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury	0.028		mg/kg	1	05/10/2022 12:49

FORM II INORGANIC-1

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Initial Calibration Verification Source: 365356

Continuing Calibration Verification Source: 365356

Concentration Units: ug/L Instrument ID: 10HG09

	Initial Calibration Verification				Continuing Calibration Verification						
	05/10/2022 12:08				05/10/2022 12:23			05/10/2022 12:40			Control Limit
Analyte	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	
Mercury	5.0	5.0	101.0	90-110	5.0	4.9	98.6	5.0	4.9	97.2	90-110

FORM II INORGANIC-2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Initial Calibration Verification Source:

Continuing Calibration Verification Source: 365356

Concentration Units: ug/L Instrument ID: 10HG09

	Continuing Calibration Verification			
	05/10/2022 12:53			Control Limit
Analyte	True	Found	%R	
Mercury	5.0	4.9	97.2	90-110

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

CRDL Check Standard Source: 365084,365351 Analysis Date/Time: 05/10/2022 12:11

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Mercury	0.2	0.19	95.0	70-130

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

CRDL Check Standard Source: 365084,365351 Analysis Date/Time: 05/10/2022 12:22

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Mercury	0.2	0.18	90.0	70-130

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

CRDL Check Standard Source: 365084,365351 Analysis Date/Time: 05/10/2022 12:51

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Mercury	0.2	0.19	95.0	70-130

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract : D3593500

Method Blank Matrix: Solid Instrument ID: 10HG09

Method Blank Concentration Units: mg/kg

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Method Blank	
	05/10/2022 12:09	C	05/10/2022 12:25	C	05/10/2022 12:41	C	05/10/2022 12:54	C	4308604	C
Mercury	0.087	U	0.087	U	0.087	U	0.087	U	ND	U

SAMPLE NO.

4308606MS

FORM V INORGANIC-1

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Matrix: Solid Basis: Dry Parent Sample ID: 10606394001

Percent Moisture: 44.5

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Mercury	mg/kg	80-120	0.86	0.025J	0.81	102

SAMPLE NO.

4308607MSD

FORM V INORGANIC-2

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Matrix: Solid Basis: Dry Parent Sample ID: 10606394001

Percent Moisture: 44.5

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Mercury	mg/kg	80-120	0.81	0.025J	0.79	100

SAMPLE NO.

4308607MSD

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Matrix: Solid Concentration Units: mg/kg

Percent Moisture: 44.5 Basis: Dry

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Mercury	20	0.86	0.81	6

SAMPLE NO.

4308605LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Matrix: Solid

Analyte	Units	True	Found	%R	Limits	
Mercury	mg/kg	0.48	0.49	101	80	120

FORM IX INORGANIC-1
INSTRUMENT DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Preparation Method: None Instrument ID: 10HG09

Concentration Units: ug/L

Analyte	PQL	IDL	IDL Date
Mercury	0.20	0.087	03/30/2021

FORM IX INORGANIC-2
METHOD DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Preparation Method: EPA 7471B Instrument ID: 10HG09

Concentration Units: mg/kg

Analyte	PQL	MDL	MDL Date
Mercury	0.020	0.0087	03/30/2021

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Preparation Method: EPA 7471B Batch: MERP 37092

Lab Sample ID	Sample Name	Preparation Date	Initial Weight (g)	Final Volume (mL)
4308604	4308604	05/03/2022	0.325	30
4308605	4308605	05/03/2022	0.31	30
4308606	4308606	05/03/2022	0.331	30
4308607	4308607	05/03/2022	0.342	30
10606395001	FD02-042722-0-10	05/03/2022	0.339	30
10606395002	BNSF-BG18-042722-0-10	05/03/2022	0.321	30
10606395003	BNSF-BG19-042722-0-10	05/03/2022	0.309	30
10606395004	BNSF-SG03-042722-0-5.5	05/03/2022	0.306	30

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Instrument ID: 10HG09 Analysis Method: EPA 7471B

Start Date: 05/10/2022 11:40 End Date: 05/10/2022 12:54

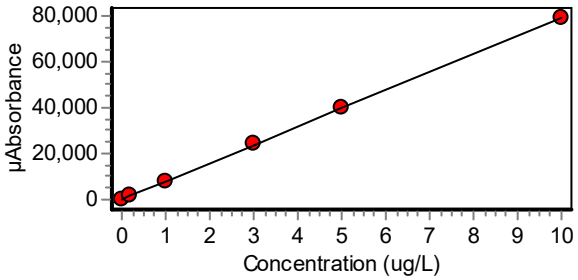
Sample Name	Lab Sample ID	D/F	Date	Time	Hg
29937326CAL0	29937326CAL0	1	05/10/2022	11:40	X
29937327CAL1	29937327CAL1	1	05/10/2022	11:41	X
29937328CAL2	29937328CAL2	1	05/10/2022	11:43	X
29937329CAL3	29937329CAL3	1	05/10/2022	11:45	X
29937330CAL4	29937330CAL4	1	05/10/2022	11:46	X
29937331CAL5	29937331CAL5	1	05/10/2022	11:48	X
29937332ICV	29937332ICV	1	05/10/2022	12:08	X
29937333ICB	29937333ICB	1	05/10/2022	12:09	X
29937334CRDL	29937334CRDL	1	05/10/2022	12:11	X
29937336CRDL	29937336CRDL	1	05/10/2022	12:22	X
29937337CCV	29937337CCV	1	05/10/2022	12:23	X
29937341CCB	29937341CCB	1	05/10/2022	12:25	X
4308604BLANK	4308604	1	05/10/2022	12:27	X
4308605LCS	4308605	1	05/10/2022	12:28	X
10606394001	10606394001	1	05/10/2022	12:32	X
4308606MS	4308606	1	05/10/2022	12:33	X
4308607MSD	4308607	1	05/10/2022	12:35	X
29937342CCV	29937342CCV	1	05/10/2022	12:40	X
29937343CCB	29937343CCB	1	05/10/2022	12:41	X
FD02-042722-0-10	10606395001	1	05/10/2022	12:45	X
BNSF-BG18-042722-0-10	10606395002	1	05/10/2022	12:46	X
BNSF-BG19-042722-0-10	10606395003	1	05/10/2022	12:48	X
BNSF-SG03-042722-0-5.5	10606395004	1	05/10/2022	12:49	X
29937345CRDL	29937345CRDL	1	05/10/2022	12:51	X
29937346CCV	29937346CCV	1	05/10/2022	12:53	X
29937347CCB	29937347CCB	1	05/10/2022	12:54	X

Report Generated By Teledyne Leeman QuickTrace
Analyst: 10metalsuser,LENA WIGER
Worksheet file: S:\DATA\Metals\10HG09\10MAY22SOLIDSB10HG09.wszf
Creation Date: 5/10/2022 11:37:52 AM
Comment: EPA 7471/7471B

Results

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
Calibration Blank					STD	05/10/22 11:40:16 am	0.00	396	3.07			1.0000	N/A
Replicates	387.3	394.0	413.5	388.5									
Standard #1 (0.2 ug/L)					STD	05/10/22 11:41:53 am	0.20	2001	0.59	-8.65%		1.0000	N/A
Replicates	2007.6	1983.7	2009.2	2002.2									
Standard #2 (1 ug/L)					STD	05/10/22 11:43:30 am	1.00	8271	0.43	-1.69%		1.0000	N/A
Replicates	8222.4	8275.4	8307.4	8278.9									
Standard #3 (3 ug/L)					STD	05/10/22 11:45:08 am	3.00	24464	0.48	1.67%		1.0000	N/A
Replicates	24298.3	24465.4	24534.6	24557.6									
Standard #4 (5 ug/L)					STD	05/10/22 11:46:46 am	5.00	40040	0.28	0.77%		1.0000	N/A
Replicates	40170.4	39908.9	39995.1	40084.9									
Standard #5 (10 ug/L)					STD	05/10/22 11:48:24 am	10.00	78656	1.20	-0.32%		1.0000	N/A
Replicates	79916.4	77791.3	78108.6	78809.6									

Calibration
Equation: Abs = 7833.940x + 569.366
R2: 0.99992 RSE: 5.20%
SEE: 305.9292
Flags:



ICV					ICV	05/10/22 12:08:01 pm	5.05	40149	0.17			1.0000	101.05
Replicates	40126.1	40249.5	40091.5	40128.0									
ICB					ICB	05/10/22 12:09:40 pm	-0.02	419	7.42			1.0000	N/A
Replicates	418.1	404.3	426.0	429.3									
CRDL					CRDL	05/10/22 12:11:17 pm	0.19	2089	1.96			1.0000	96.98
Replicates	2116.6	2078.5	2108.5	2051.5									
4312191_43583					UNK	05/10/22 12:14:10 pm	-0.01	506	32.13			1.0000	N/A
Replicates	530.4	497.9	512.9	482.9									
4312192_43583					UNK	05/10/22 12:15:46 pm	4.92	39076	0.32			1.0000	N/A
Replicates	39232.3	38930.6	39057.1	39085.3									
10605980004_43583					UNK	05/10/22 12:17:23 pm	0.11	1428	1.12			1.0000	N/A
Replicates	1426.4	1432.7	1415.2	1437.4									
4312193_43583					UNK	05/10/22 12:19:00 pm	5.22	41466	0.23			1.0000	N/A
Replicates	41491.5	41533.0	41515.0	41325.5									

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
4312194_43583					UNK	05/10/22 12:20:36 pm	5.11	40610	0.13			1.0000	N/A
	Replicates	40566.2	40570.3	40678.5	40626.5								
CRDL					CRDL	05/10/22 12:22:14 pm	0.18	1984	1.24			1.0000	90.26
	Replicates	1983.0	2007.2	1979.0	1965.0								
CCV					CCV	05/10/22 12:23:52 pm	4.93	39184	0.61			1.0000	98.58
	Replicates	39116.9	38928.1	39198.3	39493.6								
CCB					CCB	05/10/22 12:25:31 pm	-0.02	449	12.78			1.0000	N/A
	Replicates	426.2	458.7	457.2	454.4								
4308604_43535					UNK	05/10/22 12:27:08 pm	0.00	557	89.73			1.0000	N/A
	Replicates	557.7	554.7	571.5	545.2								
4308605_43535					UNK	05/10/22 12:28:45 pm	5.07	40296	0.09			1.0000	N/A
	Replicates	40267.4	40326.1	40325.8	40265.8								
10606046001_43535					UNK	05/10/22 12:30:22 pm	0.05	993	2.85			1.0000	N/A
	Replicates	980.1	991.1	1009.1	990.6								
10606394001_43535					UNK	05/10/22 12:32:00 pm	0.15	1711	1.07			1.0000	N/A
	Replicates	1714.8	1699.9	1726.2	1702.2								
4308606_43535					UNK	05/10/22 12:33:38 pm	5.26	41794	0.31			1.0000	N/A
	Replicates	41722.1	41957.4	41826.7	41668.9								
4308607_43535					UNK	05/10/22 12:35:15 pm	5.14	40829	0.19			1.0000	N/A
	Replicates	40717.3	40859.9	40877.1	40863.4								
10606394002_43535					UNK	05/10/22 12:36:53 pm	0.03	798	3.64			1.0000	N/A
	Replicates	794.2	793.8	810.3	793.0								
10606394003_43535					UNK	05/10/22 12:38:30 pm	0.01	623	44.08			1.0000	N/A
	Replicates	610.2	610.1	612.8	658.1								
CCV					CCV	05/10/22 12:40:08 pm	4.86	38633	0.19			1.0000	97.18
	Replicates	38527.9	38659.3	38690.6	38653.3								
CCB					CCB	05/10/22 12:41:47 pm	-0.02	389	14.59			1.0000	N/A
	Replicates	390.5	418.4	392.6	354.4								
10606394004_43535					UNK	05/10/22 12:43:24 pm	0.33	3174	0.71			1.0000	N/A
	Replicates	3179.3	3197.9	3156.9	3162.6								
10606395001_43535					UNK	05/10/22 12:45:00 pm	0.02	761	9.48			1.0000	N/A
	Replicates	780.4	766.3	761.8	736.8								
10606395002_43535					UNK	05/10/22 12:46:37 pm	0.05	979	3.03			1.0000	N/A
	Replicates	983.0	976.6	964.1	993.9								
10606395003_43535					UNK	05/10/22 12:48:14 pm	0.03	803	2.59			1.0000	N/A
	Replicates	794.5	808.8	804.8	802.3								
10606395004_43535					UNK	05/10/22 12:49:51 pm	0.20	2160	0.92			1.0000	N/A
	Replicates	2159.0	2148.4	2181.2	2152.4								

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
CRDL				CRDL	05/10/22 12:51:28 pm	0.19	2081	1.12			1.0000	96.47
	Replicates	2096.8	2094.3	2065.8	2066.5							
CCV				CCV	05/10/22 12:53:07 pm	4.86	38665	1.38			1.0000	97.26
	Replicates	38681.9	38050.6	38595.4	39330.6							
CCB				CCB	05/10/22 12:54:45 pm	-0.02	445	5.62			1.0000	N/A
	Replicates	448.0	448.1	434.3	448.8							
4315272_43568				UNK	05/10/22 12:56:23 pm	0.00	551	67.67			1.0000	N/A
	Replicates	558.9	564.1	538.1	543.9							
4315273_43568				UNK	05/10/22 12:58:00 pm	5.22	41441	0.38			1.0000	N/A
	Replicates	41215.3	41509.3	41465.5	41574.8							
10607417001_43568				UNK	05/10/22 12:59:38 pm	0.09	1253	1.58			1.0000	N/A
	Replicates	1267.6	1243.7	1246.0	1254.0							
4315274_43568				UNK	05/10/22 01:01:15 pm	5.23	41505	0.72			1.0000	N/A
	Replicates	41262.0	41341.9	41489.9	41925.4							
4315275_43568				UNK	05/10/22 01:02:53 pm	5.45	43284	0.71			1.0000	N/A
	Replicates	42838.2	43370.9	43516.4	43410.7							
CRDL				CRDL	05/10/22 01:04:30 pm	0.18	1958	1.45			1.0000	88.61
	Replicates	1928.9	1975.9	1964.4	1961.9							
CCV				CCV	05/10/22 01:06:09 pm	4.90	38934	0.60			1.0000	97.95
	Replicates	39132.4	38685.6	38790.8	39128.6							
CCB				CCB	05/10/22 01:07:48 pm	-0.02	439	11.05			1.0000	N/A
	Replicates	427.5	459.5	438.0	430.8							
4315290_43569				UNK	05/10/22 01:09:26 pm	0.00	550	40.95			1.0000	N/A
	Replicates	560.8	542.1	550.1	547.4							
4315291_43569				UNK	05/10/22 01:11:03 pm	5.29	42015	0.70			1.0000	N/A
	Replicates	41667.1	41885.5	42280.5	42228.0							
10606264001_43569				UNK	05/10/22 01:12:39 pm	0.01	680	2.85			1.0000	N/A
	Replicates	683.3	677.0	681.0	677.0							
4315292_43569				UNK	05/10/22 01:14:16 pm	5.27	41893	0.56			1.0000	N/A
	Replicates	41672.8	41787.0	41903.5	42207.3							
4315293_43569				UNK	05/10/22 01:15:53 pm	5.09	40440	1.22			1.0000	N/A
	Replicates	39786.0	40366.8	40714.8	40891.1							
CRDL				CRDL	05/10/22 01:17:30 pm	0.18	1977	1.56			1.0000	89.85
	Replicates	1983.1	1947.2	1999.7	1978.5							
CCV				CCV	05/10/22 01:19:09 pm	5.00	39757	0.38			1.0000	100.05
	Replicates	39598.0	39884.5	39663.8	39881.5							
CCB				CCB	05/10/22 01:20:47 pm	-0.02	438	16.45			1.0000	N/A
	Replicates	421.6	459.3	416.3	452.8							

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
4315282_43570					UNK	05/10/22 01:22:24 pm	-0.01	473	20.24			1.0000	N/A
Replicates	465.5	486.5	490.0	448.0									
4315283_43570					UNK	05/10/22 01:24:01 pm	5.24	41611	0.18			1.0000	N/A
Replicates	41513.3	41591.0	41668.2	41671.0									
10607169001_43570					UNK	05/10/22 01:25:38 pm	0.34	3212	0.84			1.0000	N/A
Replicates	3194.7	3194.1	3219.8	3240.3									
4315284_43570					UNK	05/10/22 01:27:16 pm	5.67	44955	0.77			1.0000	N/A
Replicates	44529.7	44896.5	45043.3	45351.3									
4315285_43570					UNK	05/10/22 01:28:53 pm	5.49	43547	0.17			1.0000	N/A
Replicates	43456.8	43576.0	43630.7	43522.7									
10607169002_43570					UNK	05/10/22 01:30:31 pm	0.34	3224	0.65			1.0000	N/A
Replicates	3218.0	3248.1	3224.6	3207.3									
10607169003_43570					UNK	05/10/22 01:32:09 pm	0.56	4957	1.23			1.0000	N/A
Replicates	5008.8	4951.3	4884.5	4984.5									
10607169004_43570					UNK	05/10/22 01:33:47 pm	0.46	4190	0.45			1.0000	N/A
Replicates	4180.0	4197.3	4209.8	4174.3									
10607169005_43570					UNK	05/10/22 01:35:24 pm	0.34	3231	0.30			1.0000	N/A
Replicates	3225.6	3227.3	3242.5	3227.8									
CRDL					CRDL	05/10/22 01:37:01 pm	0.19	2028	1.11			1.0000	93.10
Replicates	2024.5	2024.8	2012.3	2050.8									
CCV					CCV	05/10/22 01:38:39 pm	5.03	39955	0.31			1.0000	100.55
Replicates	39786.6	39938.6	40042.1	40054.4									
CCB					CCB	05/10/22 01:40:18 pm	-0.02	393	5.74			1.0000	N/A
Replicates	381.7	406.3	391.8	393.8									
4312183_43584					UNK	05/10/22 01:41:55 pm	0.00	540	93.12			1.0000	N/A
Replicates	507.0	528.7	552.0	570.7									
4312184_43584					UNK	05/10/22 01:43:32 pm	5.25	41671	0.53			1.0000	N/A
Replicates	41971.0	41677.7	41480.9	41553.7									
10606797001_43584					UNK	05/10/22 01:45:08 pm	-0.01	529	34.03			1.0000	N/A
Replicates	533.1	514.2	545.9	522.2									
4312185_43584					UNK	05/10/22 01:46:45 pm	4.74	37674	0.18			1.0000	N/A
Replicates	37578.2	37676.7	37712.9	37727.9									
4312186_43584					UNK	05/10/22 01:48:22 pm	4.91	38999	0.13			1.0000	N/A
Replicates	38947.0	39037.6	39042.6	38969.4									
10606981001_43584					UNK	05/10/22 01:50:00 pm	0.19	2038	1.60			1.0000	N/A
Replicates	2016.3	2034.3	2071.6	2031.1									
10606796001_43584					UNK	05/10/22 01:51:37 pm	-0.01	515	38.28			1.0000	N/A
Replicates	508.8	545.3	497.8	507.5									

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
CRDL				CRDL	05/10/22 01:53:14 pm	0.19	2038	0.43			1.0000	93.72
	Replicates	2031.9	2032.8	2044.1	2042.1							
CCV				CCV	05/10/22 01:54:52 pm	4.89	38845	0.32			1.0000	97.72
	Replicates	38665.9	38864.6	38926.8	38922.8							
CCB				CCB	05/10/22 01:56:31 pm	-0.02	439	11.70			1.0000	N/A
	Replicates	423.6	429.1	453.4	451.4							
4307147_43503				UNK	05/10/22 01:58:09 pm	0.00	573	365.90			1.0000	N/A
	Replicates	582.6	584.9	557.2	567.2							
4307148_43503				UNK	05/10/22 01:59:47 pm	5.14	40847	1.97			1.0000	N/A
	Replicates	40175.4	40237.0	41142.0	41833.8							
10606192001_43503				UNK	05/10/22 02:01:24 pm	0.21	2253	0.61			1.0000	N/A
	Replicates	2260.7	2239.8	2261.3	2248.8							
4307149_43503				UNK	05/10/22 02:03:02 pm	5.26	41809	0.12			1.0000	N/A
	Replicates	41809.1	41868.8	41750.8	41806.0							
4307150_43503				UNK	05/10/22 02:04:39 pm	5.03	39978	2.15			1.0000	N/A
	Replicates	39078.3	39487.0	40409.0	40937.5							
10606192002_43503				UNK	05/10/22 02:06:16 pm	0.15	1781	1.32			1.0000	N/A
	Replicates	1790.0	1798.0	1767.8	1766.3							
10606192003_43503				UNK	05/10/22 02:07:53 pm	0.21	2204	1.19			1.0000	N/A
	Replicates	2194.5	2181.1	2216.8	2222.8							
CRDL				CRDL	05/10/22 02:09:30 pm	0.18	2009	1.50			1.0000	91.89
	Replicates	2004.6	2004.6	1987.9	2039.1							
CCV				CCV	05/10/22 02:11:09 pm	4.90	38994	1.05			1.0000	98.10
	Replicates	38441.2	38961.5	39198.0	39373.5							
CCB				CCB	05/10/22 02:12:48 pm	-0.02	417	8.43			1.0000	N/A
	Replicates	400.7	421.3	414.0	431.3							
4303400_43454				UNK	05/10/22 02:14:25 pm	0.00	566	420.64			1.0000	N/A
	Replicates	550.7	574.2	581.2	557.9							
4303401_43454				UNK	05/10/22 02:16:02 pm	5.09	40449	0.12			1.0000	N/A
	Replicates	40380.8	40466.3	40486.3	40462.3							
10605435001_43454				UNK	05/10/22 02:17:39 pm	0.14	1678	1.50			1.0000	N/A
	Replicates	1681.3	1692.9	1653.9	1682.1							
10605435002_43454				UNK	05/10/22 02:19:16 pm	0.17	1903	0.94			1.0000	N/A
	Replicates	1918.3	1903.0	1887.7	1901.7							
10605435003_43454				UNK	05/10/22 02:20:54 pm	0.18	1954	0.62			1.0000	N/A
	Replicates	1942.7	1951.6	1958.9	1961.9							
10605661001_43454				UNK	05/10/22 02:22:31 pm	0.04	853	3.54			1.0000	N/A
	Replicates	843.4	862.1	844.8	860.8							

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
4303402_43454				UNK	05/10/22 02:24:09 pm	4.38	34852	1.03			1.0000	N/A
Replicates	34790.8	34555.1	34699.1	35361.3								
4303403_43454				UNK	05/10/22 02:25:47 pm	4.38	34861	0.16			1.0000	N/A
Replicates	34787.8	34853.5	34919.2	34884.7								
10605661002_43454				UNK	05/10/22 02:27:25 pm	0.07	1093	2.82			1.0000	N/A
Replicates	1075.3	1106.8	1086.8	1103.5								
CRDL				CRDL	05/10/22 02:29:02 pm	0.18	1968	2.42			1.0000	89.30
Replicates	1955.4	1944.2	1955.5	2018.7								
CCV				CCV	05/10/22 02:30:41 pm	4.90	38983	0.66			1.0000	98.07
Replicates	39184.7	38683.6	38861.3	39201.8								
CCB				CCB	05/10/22 02:32:20 pm	-0.02	398	9.58			1.0000	N/A
Replicates	403.1	377.9	417.1	395.1								
4310680_43571				UNK	05/10/22 02:33:57 pm	0.01	652	20.04			1.0000	N/A
Replicates	642.0	634.8	670.3	661.8								
4310681_43571				UNK	05/10/22 02:35:34 pm	5.25	41670	1.82			1.0000	N/A
Replicates	41550.1	42443.9	41991.9	40693.2								
10606360001_43571				UNK	05/10/22 02:37:12 pm	0.22	2260	0.97			1.0000	N/A
Replicates	2270.8	2256.7	2239.0	2275.2								
4310682_43571				UNK	05/10/22 02:38:49 pm	4.35	34679	0.10			1.0000	N/A
Replicates	34631.9	34679.9	34706.6	34696.6								
4310683_43571				UNK	05/10/22 02:40:26 pm	4.65	36984	0.06			1.0000	N/A
Replicates	36999.3	36977.2	36957.2	37003.2								
10606360002_43571				UNK	05/10/22 02:42:03 pm	0.10	1385	3.17			1.0000	N/A
Replicates	1371.0	1420.5	1361.5	1385.3								
10606361001_43571				UNK	05/10/22 02:43:41 pm	0.12	1480	2.33			1.0000	N/A
Replicates	1477.1	1452.6	1484.6	1503.9								
10606361002_43571				UNK	05/10/22 02:45:18 pm	0.11	1466	1.88			1.0000	N/A
Replicates	1444.2	1478.1	1462.4	1480.9								
CRDL				CRDL	05/10/22 02:46:55 pm	0.18	1995	2.55			1.0000	91.01
Replicates	1947.2	1995.3	2035.0	2003.5								
CCV				CCV	05/10/22 02:48:34 pm	4.88	38837	0.78			1.0000	97.70
Replicates	38527.6	38661.9	38965.4	39193.6								
CCB				CCB	05/10/22 02:50:13 pm	-0.02	442	3.01			1.0000	N/A
Replicates	436.9	445.6	442.4	444.1								
4310663_43573				UNK	05/10/22 02:51:50 pm	0.00	604	20.13			1.0000	N/A
Replicates	596.6	613.0	606.3	601.3								
4310664_43573				UNK	05/10/22 02:53:28 pm	5.15	40896	0.14			1.0000	N/A
Replicates	40813.5	40910.2	40922.9	40936.2								

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
10606414001_43573				UNK	05/10/22 02:55:06 pm	1.43	11802	1.54			1.0000	N/A
Replicates	11979.1	11903.1	11731.8	11593.6								
10606414002_43573				UNK	05/10/22 02:56:44 pm	0.60	5245	1.75			1.0000	N/A
Replicates	5251.8	5152.8	5226.5	5350.8								
10606414003_43573				UNK	05/10/22 02:58:22 pm	0.06	1011	1.14			1.0000	N/A
Replicates	1012.3	1015.2	1003.5	1011.7								
10606414004_43573				UNK	05/10/22 02:59:59 pm	0.57	5041	0.24			1.0000	N/A
Replicates	5054.7	5033.7	5031.7	5042.9								
10606414005_43573				UNK	05/10/22 03:01:36 pm	85.61	671274	0.51		O	1.0000	N/A
Replicates	667007.4	670233.3	672841.3	675012.6								
4310665_43573				UNK	05/10/22 03:05:41 pm	97.17	761807	0.20		O	1.0000	N/A
Replicates	759682.8	761888.7	762611.7	763044.2								
4310666_43573				UNK	05/10/22 03:10:05 pm	95.98	752484	1.05		O	1.0000	N/A
Replicates	744199.6	749091.8	753994.3	762651.3								
10606414006_43573				UNK	05/10/22 03:14:46 pm	5.06	40192	0.06			1.0000	N/A
Replicates	40177.7	40178.0	40182.3	40229.8								
CRDL				CRDL	05/10/22 03:16:24 pm	0.17	1887	1.03			1.0000	84.12
Replicates	1868.5	1892.6	1887.9	1900.1								
CCV				CCV	05/10/22 03:18:02 pm	4.95	39375	0.91			1.0000	99.07
Replicates	39893.8	39253.6	39116.6	39234.3								
CCB				CCB	05/10/22 03:19:41 pm	-0.02	390	9.04			1.0000	N/A
Replicates	376.3	399.6	407.6	375.8								
4315286_43581				UNK	05/10/22 03:21:19 pm	-0.01	473	19.16			1.0000	N/A
Replicates	448.8	473.9	476.1	493.6								
4315287_43581				UNK	05/10/22 03:22:56 pm	5.14	40845	0.20			1.0000	N/A
Replicates	40731.4	40852.0	40906.7	40891.0								
10606158001_43581				UNK	05/10/22 03:24:34 pm	0.26	2623	1.40			1.0000	N/A
Replicates	2585.9	2632.9	2654.2	2617.7								
4315288_43581				UNK	05/10/22 03:26:11 pm	5.82	46131	0.13			1.0000	N/A
Replicates	46141.2	46201.1	46128.1	46053.1								
4315289_43581				UNK	05/10/22 03:27:49 pm	5.54	43955	0.23			1.0000	N/A
Replicates	43824.2	43953.9	43977.4	44063.4								
10607008001_43581				UNK	05/10/22 03:29:27 pm	1.67	13674	0.31			1.0000	N/A
Replicates	13619.3	13666.1	13709.3	13699.6								
10607011001_43581				UNK	05/10/22 03:31:05 pm	0.50	4470	0.47			1.0000	N/A
Replicates	4487.7	4479.2	4445.7	4469.2								
10607172001_43581				UNK	05/10/22 03:32:43 pm	0.02	721	6.01			1.0000	N/A
Replicates	725.8	715.9	710.9	730.9								

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
CCV				CCV	05/10/22 03:34:21 pm	4.91	39003	0.45			1.0000	98.12
Replicates	38759.0	39013.3	39074.6	39163.8								
CCB				CCB	05/10/22 03:36:00 pm	-0.03	372	3.57			1.0000	N/A
Replicates	371.0	366.9	369.2	382.7								
10607172003_43581				UNK	05/10/22 03:37:38 pm	0.02	717	14.15			1.0000	N/A
Replicates	701.9	748.0	707.3	711.8								
10607172005_43581				UNK	05/10/22 03:39:15 pm	0.03	827	4.59			1.0000	N/A
Replicates	839.0	826.1	811.4	832.6								
10607172007_43581				UNK	05/10/22 03:40:53 pm	0.01	631	28.38			1.0000	N/A
Replicates	613.9	619.9	639.9	651.9								
10607223002_43581				UNK	05/10/22 03:42:31 pm	0.40	3694	0.57			1.0000	N/A
Replicates	3684.0	3675.5	3714.5	3703.0								
10607223003_43581				UNK	05/10/22 03:44:08 pm	0.60	5249	0.47			1.0000	N/A
Replicates	5222.0	5241.2	5262.2	5270.7								
10607223004_43581				UNK	05/10/22 03:45:46 pm	0.61	5339	1.87			1.0000	N/A
Replicates	5217.0	5329.8	5415.5	5394.8								
10606445002_43581				UNK	05/10/22 03:47:23 pm	-0.01	478	26.95			1.0000	N/A
Replicates	485.2	449.2	507.5	469.0								
10607170001_43581				UNK	05/10/22 03:49:21 pm	0.03	804	10.82			1.0000	N/A
Replicates	817.3	821.8	809.8	766.5								
CCV				CCV	05/10/22 03:50:59 pm	4.85	38555	0.35			1.0000	96.98
Replicates	38359.7	38570.0	38646.3	38642.0								
CCB				CCB	05/10/22 03:52:38 pm	-0.02	378	4.56			1.0000	N/A
Replicates	369.3	373.6	389.1	381.1								
10607170003_43581				UNK	05/10/22 03:54:16 pm	0.01	609	48.62			1.0000	N/A
Replicates	609.6	633.4	585.7	609.2								
10607170004_43581				UNK	05/10/22 03:55:54 pm	0.03	768	2.75			1.0000	N/A
Replicates	769.3	761.5	766.2	774.5								
10607170005_43581				UNK	05/10/22 03:57:32 pm	0.04	852	3.65			1.0000	N/A
Replicates	858.7	862.0	844.7	841.0								
10607170007_43581				UNK	05/10/22 03:59:10 pm	0.07	1120	3.10			1.0000	N/A
Replicates	1114.6	1099.3	1139.6	1125.8								
10607170008_43581				UNK	05/10/22 04:00:47 pm	0.01	672	16.07			1.0000	N/A
Replicates	682.5	650.4	667.4	686.7								
10606414005Dx50_43573				UNK	05/10/22 04:03:24 pm	2.60	20956	1.13			1.0000	N/A
Replicates	21201.9	21080.3	20859.3	20681.5								
4310665Dx50_43573				UNK	05/10/22 04:05:02 pm	3.26	26111	1.86			1.0000	N/A
Replicates	26567.1	26381.8	26006.5	25488.8								

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
4310666Dx50_43573				UNK	05/10/22 04:06:39 pm	3.34	26701	1.11			1.0000	N/A
	Replicates	26338.5	26621.8	26831.3	27012.6							
CRDL				CRDL	05/10/22 04:08:35 pm	0.18	1977	0.35			1.0000	89.82
	Replicates	1976.6	1981.0	1979.2	1969.7							
CCV				CCV	05/10/22 04:10:13 pm	4.93	39199	0.45			1.0000	98.62
	Replicates	38964.2	39195.1	39263.3	39372.3							
CCB				CCB	05/10/22 04:11:52 pm	-0.02	403	16.85			1.0000	N/A
	Replicates	390.4	406.3	441.1	376.1							

Prep Log Report

Batch Information: MERP 812439 7471B S_P

Template Version: ENV-EPL-MIN4-0028-Rev.00 (13Dec2020)

Prep Method	EPA 7471B	Analysis Method	EPA 7471B	Prepared By	NJ1	Instrument	10BL04
Block ID	10MET54	Thermometer ID	210354363	Correction Factor (C)	.8	Block Temp (C)	94
Corrected Temp. (C)	94.80	Digestion Start Date/Time	05/03/2022 12:07:41:655	Digestion End Date/Time	05/03/2022 12:51:10:405	Block End Temp (C)	96
Corrected End Temp. (C)	96.80	Digestion Vessel	360406	Resin Pellets Solid Matrix	344615	Metals Pipette 1	Q473
Metals Pipette 2	Q778	Bottle Disp. 1	Q814	Bottle Disp. 2	Q791	Bottle Disp. 3	Q452
Bottle Disp. 4	Q671	Bottle Disp. 5		Reviewed By	MT2	Reviewed By Date	05/04/2022 08:49
Batch Notes							

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Matrix	Initial Weight (g)	Aqua Regia (mL)	5% KMnO4 (mL)	12% NH2OH*HCL (mL)	Final Volume (mL)	Sample Notes	MERCURY-SPK (mL)
7471B S_P	BLANK	**4308604**	Solid	0.325	364106 (3)	362590 (9)	363339 (3.6)	30		
7471B S_P	LCS	**4308605**	Solid	0.31	364106 (3)	362590 (9)	363339 (3.6)	30		350870 (.15)
7471B S_P	PS	**10606046001**	Solid	0.338	364106 (3)	362590 (9)	363339 (3.6)	30		
7471B S_P	PS	**10606394001**	Solid	0.32	364106 (3)	362590 (9)	363339 (3.6)	30		
7471B S_P	MS	**4308606**	Solid	0.331	364106 (3)	362590 (9)	363339 (3.6)	30		350870 (.15)
7471B S_P	MSD	**4308607**	Solid	0.342	364106 (3)	362590 (9)	363339 (3.6)	30		350870 (.15)
7471B S_P	PS	**10606394002**	Solid	0.351	364106 (3)	362590 (9)	363339 (3.6)	30		
7471B S_P	PS	**10606394003**	Solid	0.301	364106 (3)	362590 (9)	363339 (3.6)	30		
7471B S_P	PS	**10606394004**	Solid	0.34	364106 (3)	362590 (9)	363339 (3.6)	30		
7471B S_P	PS	**10606395001**	Solid	0.339	364106 (3)	362590 (9)	363339 (3.6)	30		
7471B S_P	PS	**10606395002**	Solid	0.321	364106 (3)	362590 (9)	363339 (3.6)	30		
7471B S_P	PS	**10606395003**	Solid	0.309	364106 (3)	362590 (9)	363339 (3.6)	30		
7471B S_P	PS	**10606395004**	Solid	0.306	364106 (3)	362590 (9)	363339 (3.6)	30		

Standard Notes:

350870: LCS, MS, MSD Spike Solution

10606395
767 of 777
839 of 13

SAMPLE NO.

FD02-042722-0-10

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Lab Sample ID: 10606395001 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	51.4		%	1	04/29/2022 13:03

SAMPLE NO.

BNSF-BG18-042722-0-10

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Lab Sample ID: 10606395002 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	46.4		%	1	04/29/2022 13:03

SAMPLE NO.

BNSF-BG19-042722-0-10

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Lab Sample ID: 10606395003 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	23.3		%	1	04/29/2022 13:03

SAMPLE NO.

BNSF-SG03-042722-0-5.5

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Lab Sample ID: 10606395004 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	29.7		%	1	04/29/2022 13:03

SAMPLE NO.

4307525DUP

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Matrix: Solid Concentration Units: %

Percent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Percent Moisture	30	33.2	32.1	4

SAMPLE NO.

4307526DUP

FORM VI INORGANIC-2
DUPLICATES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Matrix: Solid Concentration Units: %

Percent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Percent Moisture	30	9.3	9.4	0

FORM IX INORGANIC-1
METHOD DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Preparation Method: ASTM D2974 Instrument ID: 10BALP

Concentration Units: %

Analyte	PQL	MDL	MDL Date
Percent Moisture	0.10	0.10	01/01/2003

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Preparation Method: ASTM D2974 Batch: MPRP 123910

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
4307525	4307525	04/29/2022	1	1
4307526	4307526	04/29/2022	1	1
10606395001	FD02-042722-0-10	04/29/2022	1	1
10606395002	BNSF-BG18-042722-0-10	04/29/2022	1	1
10606395003	BNSF-BG19-042722-0-10	04/29/2022	1	1
10606395004	BNSF-SG03-042722-0-5.5	04/29/2022	1	1

FORM XIII INORGANIC-1

ANALYSIS RUN LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606395 Contract: D3593500

Instrument ID: 10BALP Analysis Method: ASTM D2974

Start Date: 04/29/2022 13:01 End Date: 04/29/2022 13:04

Sample Name	Lab Sample ID	D/F	Date	Time	MOIST
10606390001	10606390001	1	04/29/2022	13:01	X
4307525DUP	4307525	1	04/29/2022	13:02	X
FD02-042722-0-10	10606395001	1	04/29/2022	13:03	X
BNSF-BG18-042722-0-10	10606395002	1	04/29/2022	13:03	X
BNSF-BG19-042722-0-10	10606395003	1	04/29/2022	13:03	X
BNSF-SG03-042722-0-5.5	10606395004	1	04/29/2022	13:03	X
10605980004	10605980004	1	04/29/2022	13:04	X
4307526DUP	4307526	1	04/29/2022	13:04	X

Prep Log Report

Batch Information: 812294 123910 DW

Template Version: ENV-EPL-MIN4-0033-Rev.00 (13Dec2020)

Analysis Method	ASTM D2974	Analyzed By	JDL	Instrument	10BALP	Oven ID	10WET49
Acceptance Range	100-110 C	Thermometer ID	559926	Oven Correction Factor (C)	0	Oven Temp In1 (C) | Corr | Date/Time | Init	105.0 | 105.0 | 04/29/2022 13:17 | JDL
Oven Temp Out1 (C) | Corr | Date/Time | Init	101.0 | 101.0 | 04/30/2022 08:02 | JDL	Desic. In 1 ID | Date/Time | Init	10MET41 | 04/30/2022 08:02 | JDL	Desic. Out 1 Date/Time | Init	04/30/2022 08:36 | JDL	Reviewed By	CR2
Reviewed By Date	05/02/2022 09:30	Batch Notes					

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	ID	TS Posted (%)	Percent Moisture	Run Date/Time	Posted Dry Weight /w Dish (g)	Dish Weight (g)	Wet Weight /w Dish (g)	Dry Weight 1 (g)	Dry Wt Use 1	Sample Notes
DRY WEIGHT	PS	**10606390001**	Y		66.79	33.21	04/29/2022 13:01:49	6.9994	1.3181	9.8244	6.9994	M	
DRY WEIGHT	DUP	**4307525**	Y		67.95	32.05	04/29/2022 13:02:06	7.0766	1.3201	9.7923	7.0766	M	
DRY WEIGHT	PS	**10606390002**	Y		70.25	29.75	04/29/2022 13:02:19	7.0001	1.3153	9.4078	7.0001	M	
DRY WEIGHT	PS	**10606394001**	Y		55.48	44.52	04/29/2022 13:02:30	5.6691	1.3151	9.1631	5.6691	M	
DRY WEIGHT	PS	**10606394002**	Y		64.50	35.50	04/29/2022 13:02:46	6.5146	1.3188	9.3742	6.5146	M	
DRY WEIGHT	PS	**10606394003**	Y		73.49	26.51	04/29/2022 13:03:00	7.3976	1.3212	9.5897	7.3976	M	
DRY WEIGHT	PS	**10606394004**	Y		49.82	50.18	04/29/2022 13:03:11	5.4803	1.3189	9.6726	5.4803	M	
DRY WEIGHT	PS	**10606395001**	Y		48.55	51.45	04/29/2022 13:03:22	5.5291	1.3218	9.9871	5.5291	M	
DRY WEIGHT	PS	**10606395002**	Y		53.58	46.42	04/29/2022 13:03:33	5.7245	1.3195	9.5412	5.7245	M	
DRY WEIGHT	PS	**10606395003**	Y		76.66	23.34	04/29/2022 13:03:43	7.5059	1.3222	9.3891	7.5059	M	
DRY WEIGHT	PS	**10606395004**	Y		70.35	29.65	04/29/2022 13:03:55	6.9657	1.3229	9.3442	6.9657	M	
DRY WEIGHT	PS	**10605980004**	Y		90.65	9.346	04/29/2022 13:04:06	9.0855	1.3183	9.8863	9.0855	M	
DRY WEIGHT	DUP	**4307526**	Y		90.65	9.354	04/29/2022 13:04:18	9.1268	1.3221	9.9322	9.1268	M	
DRY WEIGHT	PS	**10606346001**	Y		97.45	2.554	04/29/2022 13:04:29	9.3677	1.3182	9.5787	9.3677	M	
DRY WEIGHT	PS	**10606346002**	Y		83.78	16.22	04/29/2022 13:04:40	8.2631	1.3197	9.6069	8.2631	M	

ANALYTICAL REPORT

May 13, 2022

Pace Analytical - Minnesota

Sample Delivery Group:	L1488161
Samples Received:	04/30/2022
Project Number:	10606395
Description:	D3593500
Site:	001
Report To:	Kongmeng Vang 1700 Elm Street Suite 200 Minneapolis, MN 55414

Entire Report Reviewed By: Nancy F. McLain

Nancy McLain
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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FD02-042722-0-10 L1488161-01 Solid

Collected by | Collected date/time 04/27/22 10:10 | Received date/time 04/30/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1857727	1	05/04/22 11:21	05/04/22 11:39	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9034/9030B	WG1858884	1	05/02/22 16:22	05/04/22 19:00	BMD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1860981	1	05/11/22 03:10	05/12/22 15:58	AGW	Mt. Juliet, TN

BNSF-BG18-042722-0-10 L1488161-02 Solid

Collected by | Collected date/time 04/27/22 10:35 | Received date/time 04/30/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1857727	1	05/04/22 11:21	05/04/22 11:39	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9034/9030B	WG1858884	1	05/02/22 16:22	05/04/22 19:00	BMD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1860981	1	05/11/22 03:10	05/12/22 10:39	AGW	Mt. Juliet, TN

BNSF-BG19-042722-0-10 L1488161-03 Solid

Collected by | Collected date/time 04/27/22 11:05 | Received date/time 04/30/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1857727	1	05/04/22 11:21	05/04/22 11:39	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9034/9030B	WG1858884	1	05/02/22 16:22	05/04/22 19:00	BMD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1860981	5	05/11/22 03:10	05/12/22 15:53	AGW	Mt. Juliet, TN

BNSF-SG03-042722-0-5.5 L1488161-04 Solid

Collected by | Collected date/time 04/27/22 12:00 | Received date/time 04/30/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1857727	1	05/04/22 11:21	05/04/22 11:39	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9034/9030B	WG1858884	1	05/02/22 16:22	05/04/22 19:00	BMD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1860981	1	05/11/22 03:10	05/12/22 11:42	AGW	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Nancy McLain
Project Manager

Report Revision History

Level II Report - Version 1: 05/13/22 16:04

2540 G-2011 Total Solids

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
FD02-042722-0-10

Lab Sample ID:	L1488161-01	**SDG:**	L1488161
Client Sample ID:	FD02-042722-0-10	**Collected Date/Time:**	04/27/22 10:10
Lab File ID:	08	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	LOGBAL1	**Preparation Date/Time:**	05/04/22 11:21
Analytical Batch:	WG1857727	**Analysis Date/Time:**	05/04/22 11:39
Dilution Factor:	1	**Prep Method:**	SM 2540 G
Analytical Method:	2540 G-2011	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	12.201 g
Total Solids (%):	54.7	**Final Wt/Vol:**	7.244 g

Analyte	CAS	Result	Qualifier
		%	
Total Solids	TSOLIDS	54.7	

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BNSF-BG18-042722-0-10

Lab Sample ID:	L1488161-02	**SDG:**	L1488161
Client Sample ID:	BNSF-BG18-042722-0-10	**Collected Date/Time:**	04/27/22 10:35
Lab File ID:	09	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	LOGBAL1	**Preparation Date/Time:**	05/04/22 11:21
Analytical Batch:	WG1857727	**Analysis Date/Time:**	05/04/22 11:39
Dilution Factor:	1	**Prep Method:**	SM 2540 G
Analytical Method:	2540 G-2011	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	13.071 g
Total Solids (%):	58.9	**Final Wt/Vol:**	8.217 g

Analyte	CAS	Result	Qualifier
		%	
Total Solids	TSOLIDS	58.9	

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BNSF-BG19-042722-0-10

Lab Sample ID:	L1488161-03	**SDG:**	L1488161
Client Sample ID:	BNSF-BG19-042722-0-10	**Collected Date/Time:**	04/27/22 11:05
Lab File ID:	10	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	LOGBAL1	**Preparation Date/Time:**	05/04/22 11:21
Analytical Batch:	WG1857727	**Analysis Date/Time:**	05/04/22 11:39
Dilution Factor:	1	**Prep Method:**	SM 2540 G
Analytical Method:	2540 G-2011	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	13.463 g
Total Solids (%):	77.0	**Final Wt/Vol:**	10.664 g

Analyte	CAS	Result	Qualifier
		%	
Total Solids	TSOLIDS	77.0	

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BNSF-SG03-042722-0-5.5

Lab Sample ID:	L1488161-04	**SDG:**	L1488161
Client Sample ID:	BNSF-SG03-042722-0-5.5	**Collected Date/Time:**	04/27/22 12:00
Lab File ID:	11	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	LOGBAL1	**Preparation Date/Time:**	05/04/22 11:21
Analytical Batch:	WG1857727	**Analysis Date/Time:**	05/04/22 11:39
Dilution Factor:	1	**Prep Method:**	SM 2540 G
Analytical Method:	2540 G-2011	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	11.78 g
Total Solids (%):	75.5	**Final Wt/Vol:**	9.205 g

Analyte	CAS	Result	Qualifier
		%	
Total Solids	TSOLIDS	75.5	

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3788269-1	**SDG:**	L1488161
Client Sample ID:	BLANK	**Collected Date/Time:**	_____
Lab File ID:	01	**Received Date/Time:**	_____
Instrument ID:	LOGBAL1	**Preparation Date/Time:**	05/04/22 11:16
Analytical Batch:	WG1857727	**Analysis Date/Time:**	05/04/22 11:39
Dilution Factor:	1	**Prep Method:**	SM 2540 G
Analytical Method:	2540 G-2011	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	1.258 g
Total Solids (%):	_____	**Final Wt/Vol:**	1.257 g

Analyte	CAS	Result	Qualifier
		%	
Total Solids	TSOLIDS	0.00100	

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3788269-3	**SDG:**	L1488161
Client Sample ID:	DUP	**Collected Date/Time:**	04/29/22 09:00
Lab File ID:	02	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	LOGBAL1	**Preparation Date/Time:**	05/04/22 11:16
Analytical Batch:	WG1857727	**Analysis Date/Time:**	05/04/22 11:39
Dilution Factor:	1	**Prep Method:**	SM 2540 G
Analytical Method:	2540 G-2011	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	7.476 g
Total Solids (%):	91.1	**Final Wt/Vol:**	6.809 g

Analyte	CAS	Result	Qualifier
		%	
Total Solids	TSOLIDS	89.3	

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3788269-2	**SDG:**	L1488161
Client Sample ID:	LCS	**Collected Date/Time:**	
Lab File ID:	03	**Received Date/Time:**	
Instrument ID:	LOGBAL1	**Preparation Date/Time:**	05/04/22 11:16
Analytical Batch:	WG1857727	**Analysis Date/Time:**	05/04/22 11:39
Dilution Factor:	1	**Prep Method:**	SM 2540 G
Analytical Method:	2540 G-2011	**Sample Vol Used:**	
Matrix:	Solid	**Initial Wt/Vol:**	11.276 g
Total Solids (%):		**Final Wt/Vol:**	6.274 g

Analyte	CAS	Result	Qualifier
		%	
Total Solids	TSOLIDS	50.0	

SDG:	L1488161	**Calibration (begin) date/time:**	_____
Instrument ID:	LOGBAL1	**Calibration (end) date/time:**	_____
Analytical Method:	2540 G-2011	**Analytical Run:**	WG1857727

Sample ID:	**BLANK Result**	**BLANK Qual**
File ID:	01	
Analyte	%	
TOTAL SOLIDS	0.00100	

DUP Sample / File ID:	R3788269-3 / 02	**SDG:**	L1488161
OS Sample / File ID:	L1488076-01 / 04	**Analytical Batch:**	WG1857727
Instrument ID:	LOGBAL1	**Dilution Factor:**	1
Analytical Method:	2540 G-2011	**Matrix:**	Solid

Analyte	OS Result	DUP Result	RPD	RPD Limits
	%	%	%	%
Total Solids	91.1	89.3	2.02	10

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

7-IN

LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE RECOVERY

L1488161-01,02,03,04

SAMPLE NO.:
R3788269-2

LCS Sample / File ID:	R3788269-2 / 03	**SDG:**	L1488161
LCSD Sample / File ID:	_____	**Analytical Batch:**	WG1857727
Instrument ID:	LOGBAL1	**Dilution Factor:**	1
Analytical Method:	2540 G-2011	**Matrix:**	Solid

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	RPD	RPD Limits
	%	%		%	%	%	%	%
Total Solids	50.0	50.0		100		85.0 - 115		

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

DETECTION LIMIT SUMMARY

Lab Sample IDs: L1488161-01,02,03,04 **Analytical Method:** 2540 G-2011

Matrix: Solid **Prep Method:** SM 2540 G

Analyte	CAS	Wavelength	Mass	MDL	RDL
				%	%
Total Solids	TSOLIDS				

ANALYSIS LOG

SDG:	L1488161	**Analytical Method:**	2540 G-2011
Instrument ID:	LOGBAL1	**Calibration Start Date:**	_____
Analytical Run:	WG1857727	**Calibration End Date:**	_____

Client Sample ID	Lab Sample ID	File ID	Analysis Date Time	Dilution	Batch
BLANK	R3788269-1	01	05/04/22 11:39	1	WG1857727
DUP	R3788269-3	02	05/04/22 11:39	1	WG1857727
LCS	R3788269-2	03	05/04/22 11:39	1	WG1857727
OS	L1488076-01	04	05/04/22 11:39		
FD02-042722-0-10	L1488161-01	08	05/04/22 11:39	1	WG1857727
BNSF-BG18-042722-0-10	L1488161-02	09	05/04/22 11:39	1	WG1857727
BNSF-SG03-042722-0-5.5	L1488161-04	11	05/04/22 11:39	1	WG1857727
BNSF-BG19-042722-0-10	L1488161-03	10	05/04/22 11:39	1	WG1857727

Total Solids WetChem Prep Benchsheet

Batch: WG1857727

SDG	PrePrep Batch	PrePrep Analyst	PrePrep Balance	PrePrep Start Time
L1488076	WG1856878	BJM688	PREPREPBAL1	30-APR-22
L1488149	WG1857196	BJM688	PREPREPBAL1	01-MAY-22
L1488161	WG1856959	BJM688	PREPREPBAL4	30-APR-22
L1488315	WG1857217	BJM688	PREPREPBAL2	02-MAY-22
L1488316	WG1857219	BJM688	PREPREPBAL2	02-MAY-22

Analyst: MT3521 **Prep Start Date/Time:** 05/04/22 11:16-11:21 **Prep End Date/Time:** 05/05/22 08:44 **SOP:** 0178 **Method:** SM 2540G **Oven ID:** 2305
Balance ID: LOGBAL1 **LCS True Value:** 50

LCS: 22B23211 Amt. Used: 50 Exp. Date:08/23/22

Sample Number	Matrix	State	Collect Date	Vessel ID	Vessel Wt (g)	Sample + Vessel Wt (g)	Oven Wt1 (g)	Oven Wt2 (g)	Wt Diff (g)	% TS Result	% Moisture Result	TS % Recovery	Moisture % Rec.	TS RPD	% Moisture RPD	Box ID	Review Analyst	Review Date
BLANK				FF1	1.258	1.258	1.257	1.257	0	0.001	99.999						CMK3616	05/05/22 08:44:31
LCS				FF2	1.274	11.276	6.274	6.274	0	49.99	50.01	99.98	100.02				CMK3616	05/05/22 08:44:31
DUP(L1488076-01)				FF3	1.262	7.476	6.806	6.809	0.003	89.2662	10.7338			2.02	18.56	SAT 2/0430-PP1	CMK3616	05/05/22 08:44:31
1. L1488076-01	SS	NJ	04/29/22 09:00	FF4	1.270	9.664	8.901	8.916	0.015	91.0889	8.9111						CMK3616	05/05/22 08:44:31
2. L1488076-02	SS	NJ	04/29/22 09:30	FF5	1.274	9.653	8.525	8.532	0.007	86.6213	13.3787					SAT 2/0430-PP1	CMK3616	05/05/22 08:44:31
3. L1488076-03	SS	NJ	04/29/22 10:30	FF6	1.263	6.261	5.660	5.668	0.008	88.1353	11.8647					SAT 2/0430-PP1	CMK3616	05/05/22 08:44:31
4. L1488149-01	SS	FL	04/28/22 09:15	FF7	1.253	7.457	5.126	5.129	0.003	62.4758	37.5242					MON BOX 1, 0502 PP1	CMK3616	05/05/22 08:44:31
5. L1488161-01	SS	WA	04/27/22 10:10	FF8	1.254	12.201	7.239	7.244	0.005	54.7182	45.2818					PP4 0430	CMK3616	05/05/22 08:44:31
6. L1488161-02	SS	WA	04/27/22 10:35	FF9	1.260	13.071	8.207	8.217	0.01	58.9027	41.0973					PP4 0430	CMK3616	05/05/22 08:44:31
7. L1488161-03	SS	WA	04/27/22 11:05	FF10	1.268	13.463	10.658	10.664	0.006	77.048	22.952					PP4 0430	CMK3616	05/05/22 08:44:31
8. L1488161-04	SS	WA	04/27/22 12:00	FF11	1.262	11.780	9.193	9.205	0.012	75.5182	24.4818					PP4 0430	CMK3616	05/05/22 08:44:31
9. L1488315-04	SS	VA	04/28/22 13:58	FF12	1.265	10.378	9.574	9.574	0	91.1774	8.8226					Mon03 / 0502PP02	CMK3616	05/05/22 08:44:31
10. L1488316-01	SS	MT	04/27/22 12:00	FF13	1.252	13.017	12.683	12.699	0.016	97.2971	2.7029					Mon03 / 0502PP02	CMK3616	05/05/22 08:44:31

Comments:

Reviewed By:CMK3616 on 05/05/22 08:44:31

#	Type	Time In	Obs. Temp In (°C)	Corrected Temp In (°C)	Time Out	Obs. Temp Out (°C)	Corrected Temp Out (°C)	Samples
1	Oven-4hr	05/04/22 11:39:15	104	104	05/05/22 05:08:48	104	104	BLANK, LCS, DUP(L1488076-01), L1488076-01, L1488316-01, L1488315-04, L1488161-04, L1488161-03, L1488161-02, L1488161-01, L1488149-01, L1488076-03, L1488076-02
2	Oven-1hr	05/05/22 05:10:50	104	104	05/05/22 08:42:14	104	104	BLANK, LCS, DUP(L1488076-01), L1488076-01, L1488076-02, L1488076-03, L1488149-01, L1488161-01, L1488161-02, L1488161-03, L1488161-04, L1488315-04, L1488316-01

8270E Semi Volatile Organic Compounds (GC/MS)

2A-OR

SURROGATE RECOVERY

Analytical Method: 8270E **SDG:** L1488161

Matrix: Solid

Sample ID	Lab Sample ID	Instrument	File ID	DMC-1	DMC-2	DMC-3	DMC-4	DMC-5	DMC-6	TOT Out
				% Rec.	*% Rec.*	*% Rec.*	*% Rec.*	*% Rec.*	*% Rec.*	
FD02-042722-0-10	L1488161-01	BNAMS24	0512_32	53.1	50.2	52.8	50.3	59.9	57.5	0
BNSF-BG18-042722-0-10	L1488161-02	BNAMS4	0512_18	55.7	56.0	61.0	50.0	59.7	58.8	0
BNSF-BG19-042722-0-10	L1488161-03	BNAMS4	0512_33	49.1	44.5	52.5	44.4	49.5	50.9	0
BNSF-SG03-042722-0-5.5	L1488161-04	BNAMS4	0512_21	43.3	44.4	47.3	41.5	47.7	45.7	0
MS	R3791358-3	BNAMS4	0512_34	45.9	45.1	46.7	42.3	60.0	50.5	0
MSD	R3791358-4	BNAMS4	0512_35	36.4	37.7	34.9	35.8	41.9	38.3	0
BLANK	R3791358-2	BNAMS4	0512_06	62.8	61.9	64.9	56.2	54.2	64.0	0
LCS	R3791358-1	BNAMS4	0512_05	59.3	59.8	54.4	60.7	68.2	64.3	0

Parm Abbreviation	Parameter	QC LIMITS
DMC-1	2-Fluorophenol	12.0 - 120
DMC-2	Phenol-d5	10.0 - 120
DMC-3	Nitrobenzene-d5	10.0 - 122
DMC-4	2-Fluorobiphenyl	15.0 - 120
DMC-5	2,4,6-Tribromophenol	10.0 - 127
DMC-6	p-Terphenyl-d14	10.0 - 120

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

L1488161-01,02,03,04

SAMPLE NO.:
R3791358-3
R3791358-4

MS Sample / File ID: R3791358-3 / 0512_34
MSD Sample / File ID: R3791358-4 / 0512_35
OS Sample / File ID: L1488161-03 / 0512_33
Instrument ID: BNAMS4
Analytical Method: 8270E

SDG: L1488161
Analytical Batch: WG1860981
Matrix: Solid

Analyte	Spike Amount (dry)	OS Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	RPD	RPD Limit
	mg/kg	*mg/kg*	*mg/kg*	*mg/kg*	*%*	*%*		*%*	*%*	*%*
Acenaphthene	0.828	U	0.392	0.337	47.3	40.5	5	18.0 - 120	14.9	32
Acenaphthylene	0.828	U	0.406	0.335	49.1	40.2	5	25.0 - 120	19.3	32
Anthracene	0.828	U	0.448	0.339	54.1	40.7	5	22.0 - 120	27.7	29
Benzoic Acid	1.66	U	1.24	0.806	74.7	48.5	5	10.0 - 152	42.5*	40
Benzo(a)anthracene	0.828	U	0.448	0.353	54.1	42.4	5	25.0 - 120	23.7	29
Benzo(b)fluoranthene	0.828	U	0.446	0.353	53.9	42.4	5	19.0 - 122	23.4	31
Benzo(k)fluoranthene	0.828	U	0.472	0.352	57.1	42.2	5	23.0 - 120	29.3	30
Benzo(g,h,i)perylene	0.828	U	0.428	0.345	51.7	41.4	5	10.0 - 120	21.5	33
Benzo(a)pyrene	0.828	U	0.497	0.389	60.0	46.7	5	24.0 - 120	24.3	30
Carbazole	0.828	U	0.449	0.322	54.2	38.6	5	31.0 - 120	33.0*	24
Chrysene	0.828	U	0.441	0.347	53.3	41.6	5	21.0 - 120	24.1	29
Dibenz(a,h)anthracene	0.828	U	0.465	0.349	56.1	41.9	5	10.0 - 120	28.4	32
Dibenzofuran	0.828	U	0.393	0.328	47.5	39.4	5	24.0 - 120	18.0	30
Fluoranthene	0.828	U	0.458	0.348	55.3	41.7	5	18.0 - 126	27.4	32
Fluorene	0.828	U	0.397	0.339	48.0	40.7	5	25.0 - 120	15.9	30
Indeno(1,2,3-cd)pyrene	0.828	U	0.456	0.336	55.0	40.3	5	10.0 - 120	30.2	32
1-Methylnaphthalene	0.828	U	0.374	0.299	45.1	35.8	5	10.0 - 120	22.4	36
2-Methylnaphthalene	0.828	U	0.352	0.288	42.5	34.6	5	10.0 - 120	19.9	37
Naphthalene	0.828	U	0.356	0.295	42.9	35.4	5	10.0 - 120	18.8	35
Phenanthrene	0.828	U	0.457	0.340	55.2	40.8	5	17.0 - 120	29.3	31
Bis(2-ethylhexyl)phthalate	0.828	U	0.546	0.389	66.0	46.7	5	17.0 - 126	33.6*	30
Di-n-butyl phthalate	0.828	U	0.549	0.404	66.3	48.4	5	30.0 - 120	30.5*	29
Di-n-octyl phthalate	0.828	U	0.515	0.382	62.2	45.8	5	21.0 - 123	29.8*	29
Pyrene	0.828	U	0.404	0.331	48.7	39.7	5	16.0 - 121	19.8	32
3&4-Methyl Phenol	0.828	U	0.478	0.345	57.7	41.4	5	12.0 - 123	32.2	38
Pentachlorophenol	0.828	U	0.494	0.322	59.7	38.6	5	10.0 - 160	42.3*	31
Phenol	0.828	U	0.383	0.322	46.2	38.6	5	12.0 - 120	17.3	38

*: Value outside the established quality control limits.
D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE RECOVERY

L1488161-01,02,03,04

SAMPLE NO.:
R3791358-1

LCS Sample / File ID:	R3791358-1 / 0512_05	**SDG:**	L1488161
LCSD Sample / File ID:	_____	**Analytical Batch:**	WG1860981
Instrument ID:	BNAMS4	**Dilution Factor:**	1
Analytical Method:	8270E	**Matrix:**	Solid

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	RPD	RPD Limit
	mg/kg	*mg/kg*		*%*	*%*	*%*	*%*	*%*
Acenaphthene	0.666	0.418		62.8		38.0 - 120		
Acenaphthylene	0.666	0.440		66.1		40.0 - 120		
Anthracene	0.666	0.419		62.9		42.0 - 120		
Benzoic Acid	1.33	0.211		15.9		10.0 - 120		
Benzo(a)anthracene	0.666	0.435		65.3		44.0 - 120		
Benzo(b)fluoranthene	0.666	0.395		59.3		43.0 - 120		
Benzo(k)fluoranthene	0.666	0.400		60.1		44.0 - 120		
Benzo(g,h,i)perylene	0.666	0.434		65.2		43.0 - 120		
Benzo(a)pyrene	0.666	0.433		65.0		45.0 - 120		
Carbazole	0.666	0.405		60.8		48.0 - 120		
Chrysene	0.666	0.441		66.2		43.0 - 120		
Dibenz(a,h)anthracene	0.666	0.403		60.5		44.0 - 120		
Dibenzofuran	0.666	0.413		62.0		44.0 - 120		
Fluoranthene	0.666	0.419		62.9		44.0 - 120		
Fluorene	0.666	0.414		62.2		41.0 - 120		
Indeno(1,2,3-cd)pyrene	0.666	0.415		62.3		45.0 - 120		
1-Methylnaphthalene	0.666	0.330		49.5		34.0 - 120		
2-Methylnaphthalene	0.666	0.317		47.6		34.0 - 120		
Naphthalene	0.666	0.323		48.5		18.0 - 120		
Phenanthrene	0.666	0.414		62.2		42.0 - 120		
Bis(2-ethylhexyl)phthalate	0.666	0.523		78.5		41.0 - 120		
Di-n-butyl phthalate	0.666	0.481		72.2		43.0 - 120		
Di-n-octyl phthalate	0.666	0.485		72.8		40.0 - 120		
Pyrene	0.666	0.425		63.8		41.0 - 120		
3&4-Methyl Phenol	0.666	0.459		68.9		42.0 - 120		
Pentachlorophenol	0.666	0.390		58.6		29.0 - 120		
Phenol	0.666	0.395		59.3		28.0 - 120		

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Lab Sample ID:	R3791358-2	**SDG:**	L1488161
Lab File ID:	0512_06	**Preparation Date/Time:**	05/11/22 03:08
Instrument ID:	BNAMS4	**Analysis Date/Time:**	05/12/22 06:29
Analytical Batch:	WG1860981	**Dilution Factor:**	1
Analytical Method:	8270E	**Matrix:**	Solid

Sample ID	Lab Sample ID	Instrument	File ID	Analysis *date/time*
LCS	R3791358-1	BNAMS4	0512_05	05/12/22 06:09
BNSF-BG18-042722-0-10	L1488161-02	BNAMS4	0512_18	05/12/22 10:39
BNSF-SG03-042722-0-5.5	L1488161-04	BNAMS4	0512_21	05/12/22 11:42
BNSF-BG19-042722-0-10	L1488161-03	BNAMS4	0512_33	05/12/22 15:53
FD02-042722-0-10	L1488161-01	BNAMS24	0512_32	05/12/22 15:58
MS	R3791358-3	BNAMS4	0512_34	05/12/22 16:14
MSD	R3791358-4	BNAMS4	0512_35	05/12/22 16:35

Sample Narrative:
Dilution due to matrix

5A-OR

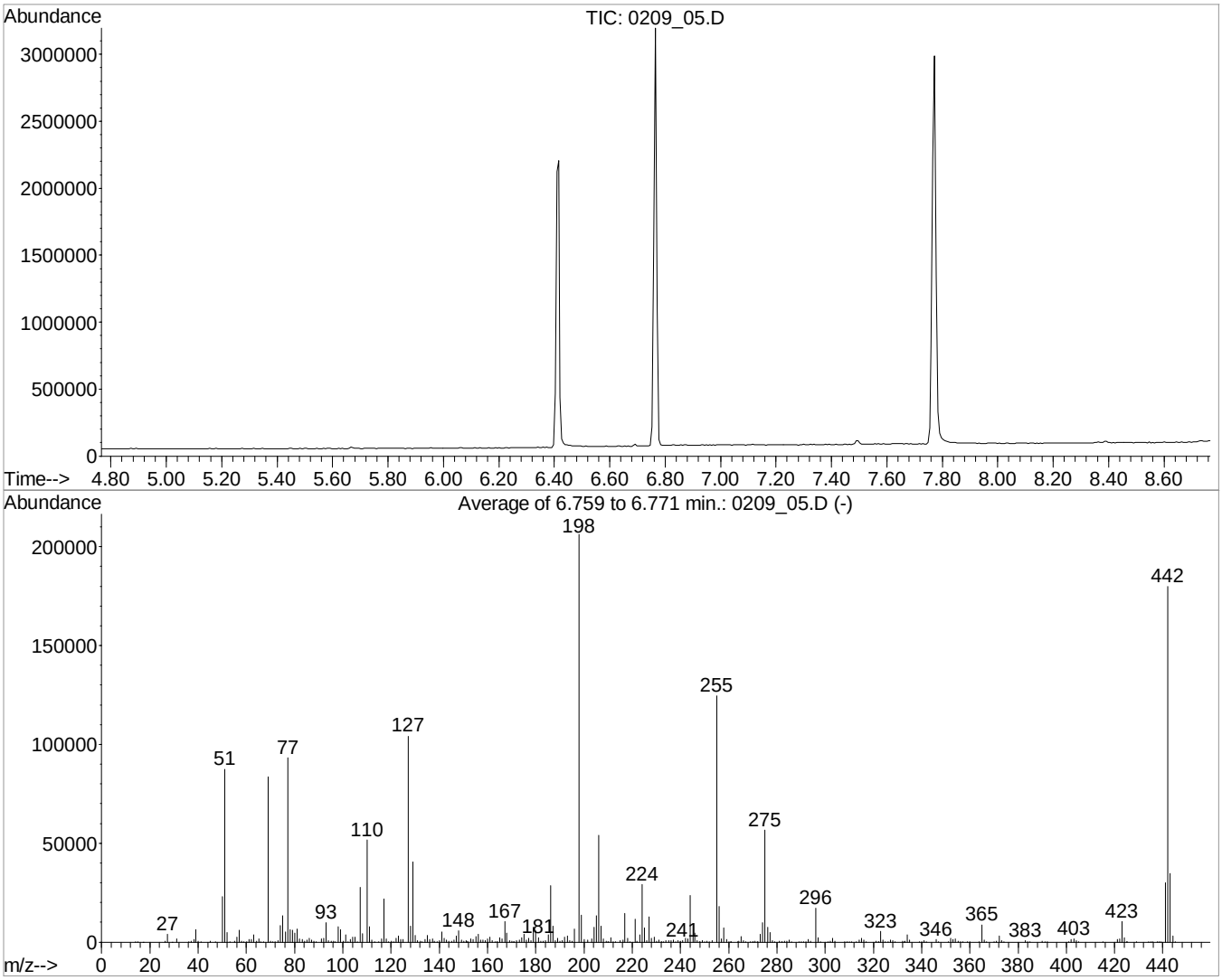
GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID:	0209_05	**SDG:**	L1488161
Instrument ID:	BNAMS4	**Analytical Method:**	8270E
Analysis Date/Time:	02/09/22 10:23		

Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
51	198	10	80	42
68	69	0	2	0
69	69	100	100	100
70	69	0	2	1
127	198	10	80	50
197	198	0	2	0
198	198	50	100	100
199	198	5	9	7
275	198	10	60	28
365	198	1	100	4
441	442	0.0001	24	17
442	198	50	100	87
443	442	15	24	19

Sample ID	Lab Sample ID	File ID	Analysis date/time
STD-500	500	0209_06	02/09/22 10:43
STD-1000	1000	0209_07	02/09/22 11:04
STD-4000	4000	0209_08	02/09/22 11:25
STD-10000	10000	0209_09	02/09/22 11:46
STD-20000	20000	0209_10	02/09/22 12:07
STD-30000	30000	0209_11	02/09/22 12:27
STD-40000	40000	0209_12	02/09/22 12:48
STD-50000	50000	0209_13	02/09/22 13:09
STD-1K1	1K1	0209_14	02/09/22 13:30
STD-4K1	4K1	0209_15	02/09/22 13:51
STD-10K1	10K1	0209_16	02/09/22 14:11
STD-20K1	20K1	0209_17	02/09/22 14:32
STD-30K1	30K1	0209_18	02/09/22 14:53
STD-40K1	40K1	0209_19	02/09/22 15:14
STD-50K1	50K1	0209_20	02/09/22 15:35
SSCV	BNAMS40209220209_21577847	0209_21	02/09/22 15:56
SSCV	BNAMS40209220209_22577847	0209_22	02/09/22 16:16

Data File : C:\MSDCHEM\1\DATA\020922\0209 05.D Vial: 2
Acq On : 9 Feb 2022 10:23 am Operator: 917
Sample : TUNE 50 PPM Inst : BNAMS4
Misc : DFTTP TUNE 22B07163 exp. 05/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)
Title : 8270 BNA



Spectrum Information: Average of 6.759 to 6.771 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.4	87399	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	83556	PASS
70	69	0.00	2	0.7	564	PASS
127	198	10	80	50.5	104194	PASS
197	198	0.00	2	0.0	0	PASS
198	198	50	100	100.0	206269	PASS
199	198	5	9	6.6	13692	PASS
275	198	10	60	27.5	56626	PASS
365	198	1	100	4.3	8784	PASS
441	442	0.01	24	16.7	30103	PASS
442	198	50	100	87.1	179744	PASS
443	442	15	24	19.4	34822	PASS

0209_05.D TUNED.M Mon Feb 14 10:17:16 2022

5A-OR

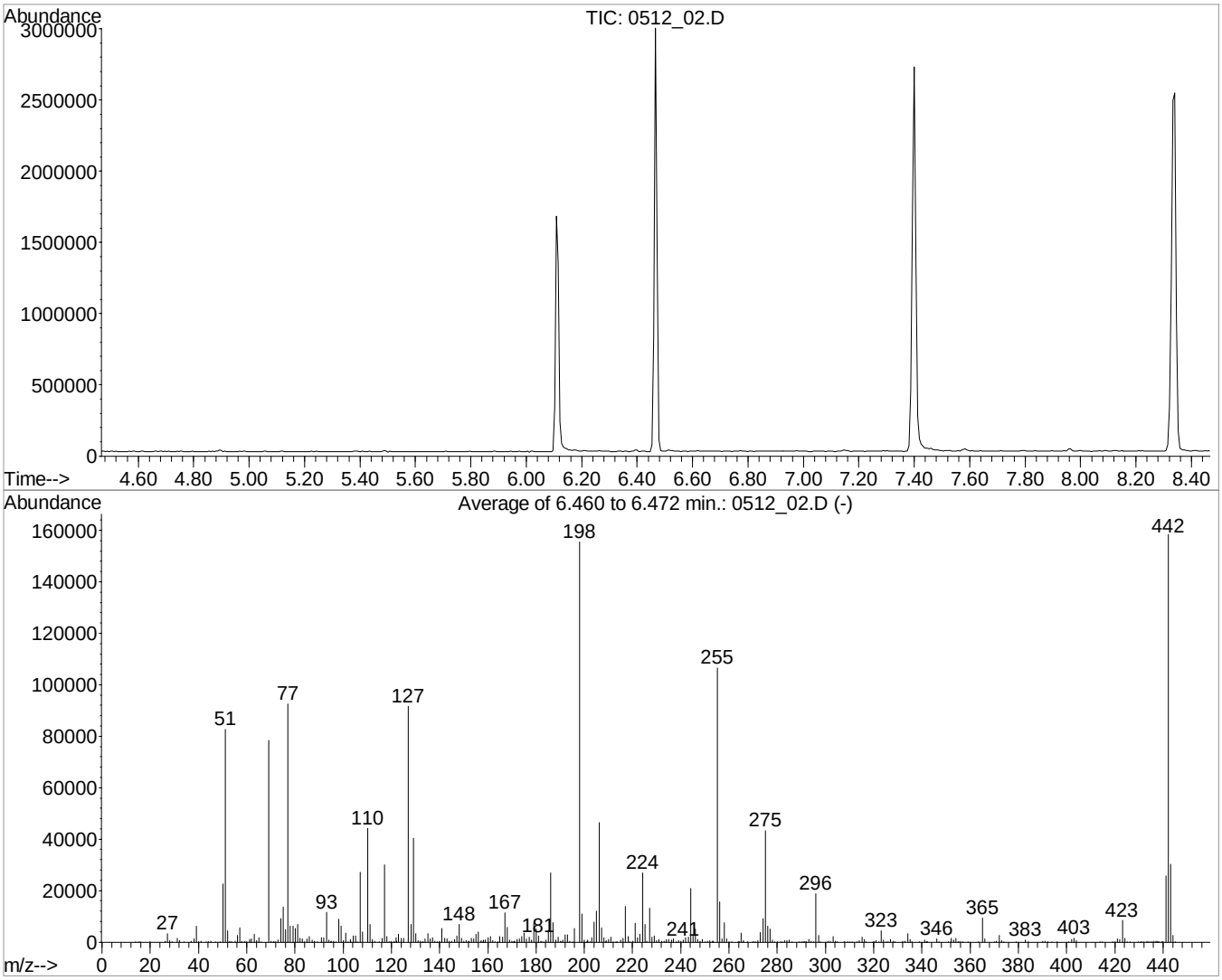
GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID:	0512_02T-1	**SDG:**	L1488161
Instrument ID:	BNAMS4	**Analytical Method:**	8270E
Analysis Date/Time:	05/12/22 04:55		

Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
51	442	10	80	52
68	69	0	2	0
69	69	100	100	100
70	69	0	2	0
127	442	10	80	58
197	198	0	2	0
198	442	50	100	98
199	198	5	9	7
275	442	10	60	27
365	198	1	100	6
441	442	0.0001	24	16
442	442	50	100	100
443	442	15	24	19

Sample ID	Lab Sample ID	File ID	Analysis date/time
ICV	BNAMS40512220512_03577847	0512_03	05/12/22 05:16
ICV	BNAMS40512220512_04577847	0512_04	05/12/22 05:37
LCS	R3791358-1	0512_05	05/12/22 06:09
BLANK	R3791358-2	0512_06	05/12/22 06:29
BNSF-BG18-042722-0-10	L1488161-02	0512_18	05/12/22 10:39
BNSF-SG03-042722-0-5.5	L1488161-04	0512_21	05/12/22 11:42
OS	L1488161-03	0512_33	05/12/22 15:53
BNSF-BG19-042722-0-10	L1488161-03	0512_33	05/12/22 15:53
MS	R3791358-3	0512_34	05/12/22 16:14
MSD	R3791358-4	0512_35	05/12/22 16:35

Data File : C:\MSDCHEM\1\DATA\051222\0512 02.D Vial: 2
Acq On : 12 May 2022 4:55 am Operator: 3545
Sample : TUNE 50 PPM 22D18771 exp 08/11/22 Inst : BNAMS4
Misc : DFTTP TUNE Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)
Title : 8270 BNA



Spectrum Information: Average of 6.460 to 6.472 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	442	10	80	52.1	82546	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	78288	PASS
70	69	0.00	2	0.5	426	PASS
127	442	10	80	57.8	91682	PASS
197	198	0.00	2	0.0	0	PASS
198	442	50	100	98.1	155440	PASS
199	198	5	9	7.0	10902	PASS
275	442	10	60	27.4	43408	PASS
365	198	1	100	6.0	9330	PASS
441	442	0.01	24	16.3	25779	PASS
442	442	50	100	100.0	158498	PASS
443	442	15	24	19.1	30244	PASS

0512_02.D TUNED.M Thu May 12 05:49:00 2022

5A-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID:	0331_02	**SDG:**	L1488161
Instrument ID:	BNAMS24	**Analytical Method:**	8270E
Analysis Date/Time:	03/31/22 17:02		

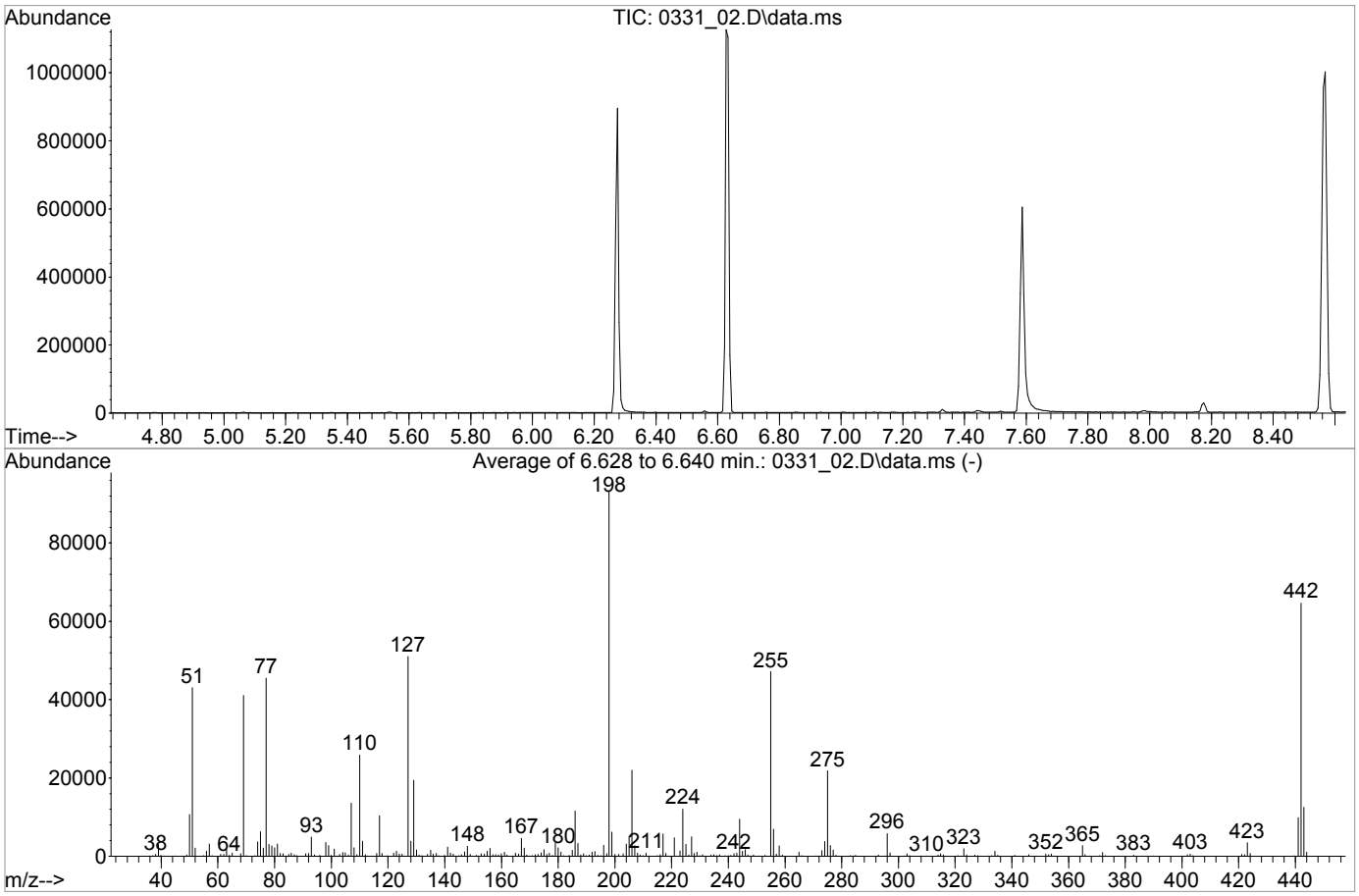
Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
51	198	10	80	46
68	69	0	2	2
69	69	100	100	100
70	69	0	2	0
127	198	10	80	55
197	198	0	2	1
198	198	50	100	100
199	198	5	9	7
275	198	10	60	23
365	198	1	100	3
441	442	0.0001	24	15
442	198	50	100	69
443	442	15	24	19

Sample ID	Lab Sample ID	File ID	Analysis date/time
STD-500	500	0331_03	03/31/22 17:24
STD-1000	1000	0331_04	03/31/22 17:45
STD-4000	4000	0331_05	03/31/22 18:07
STD-10000	10000	0331_06	03/31/22 18:28
STD-20000	20000	0331_07	03/31/22 18:49
STD-30000	30000	0331_08	03/31/22 19:11
STD-40000	40000	0331_09	03/31/22 19:32
STD-50000	50000	0331_10	03/31/22 19:53
STD-1K1	1K1	0331_11	03/31/22 20:15
STD-4K1	4K1	0331_12	03/31/22 20:36
STD-10K1	10K1	0331_13	03/31/22 20:58
STD-20K1	20K1	0331_14	03/31/22 21:19
STD-30K1	30K1	0331_15	03/31/22 21:40
STD-40K1	40K1	0331_16	03/31/22 22:02
STD-50K1	50K1	0331_17	03/31/22 22:23
SSCV	BNAMS240331220331_18576947	0331_18	03/31/22 22:44
SSCV	BNAMS240331220331_19576947	0331_19	03/31/22 23:06

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_02.D
Acq On : 31 Mar 2022 5:02 pm
Operator : 3545
Sample : TUNE 50 PPM 22C25374 exp 8/11/22
Misc : DFTPP Tune
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e

Method : C:\msdchem\1\methods\TUNED.M
Title :
Last Update : Mon Mar 28 16:39:56 2022



Spectrum Information: Average of 6.628 to 6.640 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	46.2	43070	PASS
68	69	0.00	2	1.5	616	PASS
69	69	100	100	100.0	41045	PASS
70	69	0.00	2	0.5	194	PASS
127	198	10	80	54.7	51035	PASS
197	198	0.00	2	0.7	627	PASS
198	198	50	100	100.0	93259	PASS
199	198	5	9	6.6	6186	PASS
275	198	10	60	23.4	21794	PASS
365	198	1	100	3.0	2770	PASS
441	442	0.01	24	15.3	9884	PASS
442	198	50	100	69.4	64677	PASS
443	442	15	24	19.3	12480	PASS

5A-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID:	0512_02T-1	**SDG:**	L1488161
Instrument ID:	BNAMS24	**Analytical Method:**	8270E
Analysis Date/Time:	05/12/22 04:53		

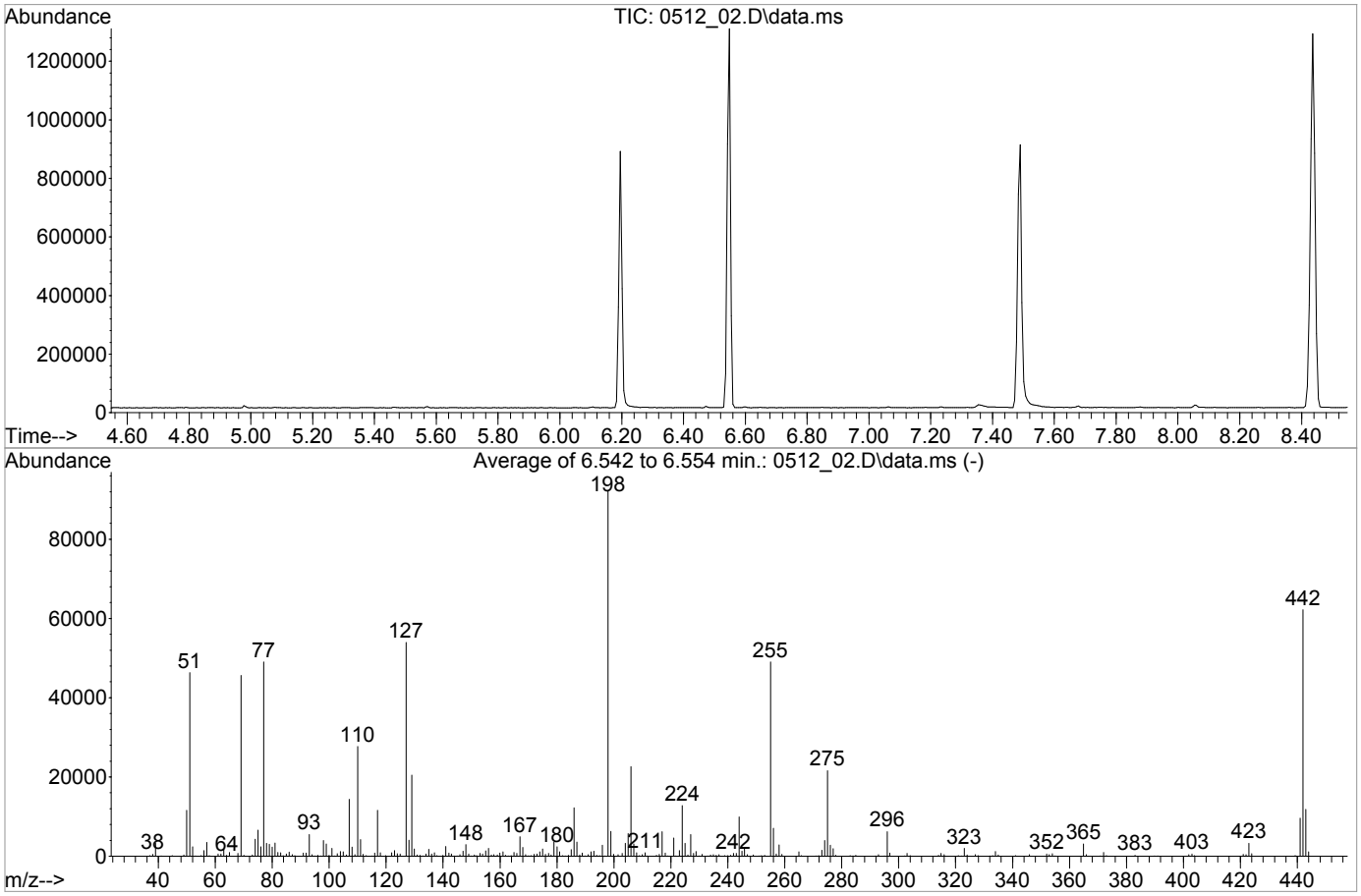
Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
51	198	10	80	50
68	69	0	2	2
69	69	100	100	100
70	69	0	2	0
127	198	10	80	58
197	198	0	2	0
198	198	50	100	100
199	198	5	9	7
275	198	10	60	23
365	198	1	100	3
441	442	0.0001	24	15
442	198	50	100	67
443	442	15	24	19

Sample ID	Lab Sample ID	File ID	Analysis date/time
ICV	BNAMS240512220512_03576947	0512_03	05/12/22 05:15
ICV	BNAMS240512220512_04576947	0512_04	05/12/22 05:36
FD02-042722-0-10	L1488161-01	0512_32	05/12/22 15:58

Data Path : C:\msdchem\1\data\051222\
Data File : 0512_02.D
Acq On : 12 May 2022 4:53 am
Operator : 3545
Sample : TUNE 50 PPM 22D25444 exp 10/15/22
Misc : DFTPP Tune
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e

Method : C:\msdchem\1\methods\TUNED.M
Title :
Last Update : Mon Mar 28 16:39:56 2022



Spectrum Information: Average of 6.542 to 6.554 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	50.2	46335	PASS
68	69	0.00	2	1.5	700	PASS
69	69	100	100	100.0	45635	PASS
70	69	0.00	2	0.5	213	PASS
127	198	10	80	58.5	53988	PASS
197	198	0.00	2	0.1	74	PASS
198	198	50	100	100.0	92267	PASS
199	198	5	9	6.8	6286	PASS
275	198	10	60	23.4	21605	PASS
365	198	1	100	3.4	3098	PASS
441	442	0.01	24	15.4	9578	PASS
442	198	50	100	67.4	62216	PASS
443	442	15	24	19.0	11836	PASS

8A-OR

INTERNAL STANDARD AND RETENTION TIME

SDG:	L1488161	**Analytical Method:**	8270E
Instrument ID:	BNAMS4	**Calibration Start Date:**	02/09/22 10:43
Std File:	0512_03	**Calibration End Date:**	02/09/22 15:35
		Std Analysis Date:	05/12/22 05:16

Sample ID	File ID	1,4-DCB		ACE		CHR		NAP	
		Response	*RT*	*Response*	*RT*	*Response*	*RT*	*Response*	*RT*
STANDARD		58440	3.25	121507	5.15	215510	9.01	243744	3.98
UPPER LIMIT		116880		243014		431020		487488	
LOWER LIMIT		29220		60754		107755		121872	
LCS R3791358-1 WG1860981 1x	0512_05	45677	3.25	91874	5.15	165152	9.02	213425	3.98
BLANK R3791358-2 WG1860981 1x	0512_06	44998	3.25	86904	5.14	146910	9	173167	3.98
L1488161-02 WG1860981 1x	0512_18	43973	3.25	87621	5.14	155278	9	168390	3.98
L1488161-04 WG1860981 1x	0512_21	46741	3.25	91000	5.14	191934	9.01	174065	3.98
OS L1488161-03 WG1860981 5x	0512_33	49876	3.25	96612	5.14	168032	9	190994	3.98
L1488161-03 WG1860981 5x	0512_33	49876	3.25	96612	5.14	168032	9	190994	3.98
MS R3791358-3 WG1860981 5x	0512_34	48344	3.25	97916	5.14	183271	9.01	194202	3.98
MSD R3791358-4 WG1860981 5x	0512_35	48980	3.25	98142	5.14	186844	9	195552	3.98

1,4-DCB - 1,4-DICHLOROBENZENE-D4 ACE - ACENAPHTHENE-D10
CHR - CHRYSENE-D12 NAP - NAPHTHALENE-D8
PER - PERYLENE-D12 PHEN - PHENANTHRENE-D10

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

8A-OR

INTERNAL STANDARD AND RETENTION TIME

SDG:	L1488161	**Analytical Method:**	8270E
Instrument ID:	BNAMS4	**Calibration Start Date:**	02/09/22 10:43
Std File:	0512_03	**Calibration End Date:**	02/09/22 15:35
		Std Analysis Date:	05/12/22 05:16

Sample ID	File ID	PER		PHEN	
		Response	*RT*	*Response*	*RT*
STANDARD		203511	11.66	225435	6.26
UPPER LIMIT		407022		450870	
LOWER LIMIT		101756		112718	
LCS R3791358-1 WG1860981 1x	0512_05	181936	11.67	182316	6.27
BLANK R3791358-2 WG1860981 1x	0512_06	143602	11.67	163811	6.26
L1488161-02 WG1860981 1x	0512_18	170085	11.67	166573	6.26
L1488161-04 WG1860981 1x	0512_21	211019	11.67	181042	6.26
OS L1488161-03 WG1860981 5x	0512_33	187222	11.67	183067	6.26
L1488161-03 WG1860981 5x	0512_33	187222	11.67	183067	6.26
MS R3791358-3 WG1860981 5x	0512_34	181801	11.66	182794	6.26
MSD R3791358-4 WG1860981 5x	0512_35	182436	11.67	189840	6.26

1,4-DCB - 1,4-DICHLOROBENZENE-D4 ACE - ACENAPHTHENE-D10
CHR - CHRYSENE-D12 NAP - NAPHTHALENE-D8
PER - PERYLENE-D12 PHEN - PHENANTHRENE-D10

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

8A-OR

INTERNAL STANDARD AND RETENTION TIME

SDG:	L1488161	**Analytical Method:**	8270E
Instrument ID:	BNAMS24	**Calibration Start Date:**	03/31/22 17:24
Std File:	0512_03	**Calibration End Date:**	03/31/22 22:23
		Std Analysis Date:	05/12/22 05:15

Sample ID	File ID	1,4-DCB		ACE		CHR		NAP	
		Response	*RT*	*Response*	*RT*	*Response*	*RT*	*Response*	*RT*
STANDARD		27485	3.34	59224	5.23	68291	9.11	112815	4.07
UPPER LIMIT		54970		118448		136582		225630	
LOWER LIMIT		13743		29612		34146		56408	
L1488161-01 WG1860981 1x	0512_32	23863	3.34	51071	5.23	61181	9.11	98329	4.07

1,4-DCB - 1,4-DICHLOROBENZENE-D4 ACE - ACENAPHTHENE-D10
CHR - CHRYSENE-D12 NAP - NAPHTHALENE-D8
PER - PERYLENE-D12 PHEN - PHENANTHRENE-D10

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

8A-OR

INTERNAL STANDARD AND RETENTION TIME

SDG:	L1488161	**Analytical Method:**	8270E
Instrument ID:	BNAMS24	**Calibration Start Date:**	03/31/22 17:24
Std File:	0512_03	**Calibration End Date:**	03/31/22 22:23
		Std Analysis Date:	05/12/22 05:15

Sample ID	File ID	PER		PHEN	
		Response	*RT*	*Response*	*RT*
STANDARD		61434	11.77	96683	6.35
UPPER LIMIT		122868		193366	
LOWER LIMIT		30717		48342	
L1488161-01 WG1860981 1x	0512_32	50501	11.77	85542	6.35

1,4-DCB - 1,4-DICHLOROBENZENE-D4 ACE - ACENAPHTHENE-D10
CHR - CHRYSENE-D12 NAP - NAPHTHALENE-D8
PER - PERYLENE-D12 PHEN - PHENANTHRENE-D10

*: Value outside the established quality control limits.
D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
FD02-042722-0-10

Lab Sample ID:	L1488161-01	**SDG:**	L1488161
Client Sample ID:	FD02-042722-0-10	**Collected Date/Time:**	04/27/22 10:10
Lab File ID:	0512_32	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	BNAMS24	**Preparation Date/Time:**	05/11/22 03:10
Analytical Batch:	WG1860981	**Analysis Date/Time:**	05/12/22 15:58
Dilution Factor:	1	**Prep Method:**	3546
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	15.53 g
Total Solids (%):	54.7	**Final Wt/Vol:**	0.5 mL

Analyte	CAS	RT	Result (dry)	Qualifier	MDL (dry)	RDL (dry)
			mg/kg		*mg/kg*	*mg/kg*
Acenaphthene	83-32-9	0	U		0.00985	0.0609
Acenaphthylene	208-96-8	0	U		0.00857	0.0609
Anthracene	120-12-7	0	U		0.0108	0.0609
Benzoic Acid	65-85-0	3.86	0.327	J	0.216	3.05
Benzo(a)anthracene	56-55-3	0	U		0.0107	0.0609
Benzo(b)fluoranthene	205-99-2	0	U		0.0113	0.0609
Benzo(k)fluoranthene	207-08-9	0	U		0.0108	0.0609
Benzo(g,h,i)perylene	191-24-2	0	U		0.0111	0.0609
Benzo(a)pyrene	50-32-8	0	U		0.0113	0.0609
Carbazole	86-74-8	0	U		0.0188	0.609
Chrysene	218-01-9	0	U		0.0121	0.0609
Dibenz(a,h)anthracene	53-70-3	0	U		0.0169	0.0609
Dibenzofuran	132-64-9	0	U		0.0199	0.609
Fluoranthene	206-44-0	0	U		0.0110	0.0609
Fluorene	86-73-7	0	U		0.00991	0.0609
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.0172	0.0609
1-Methylnaphthalene	90-12-0	0	U		0.00779	0.0609
2-Methylnaphthalene	91-57-6	0	U		0.00789	0.0609
Naphthalene	91-20-3	0	U		0.0153	0.0609
Phenanthrene	85-01-8	0	U		0.0121	0.0609
Bis(2-ethylhexyl)phthalate	117-81-7	9.18	U		0.0771	0.609
Di-n-butyl phthalate	84-74-2	6.79	U		0.0208	0.609
Di-n-octyl phthalate	117-84-0	0	U		0.0411	0.609
Pyrene	129-00-0	0	U		0.0118	0.0609
3&4-Methyl Phenol	3&4-Methyl Phenol	3.53	0.387	J	0.0190	0.609
Pentachlorophenol	87-86-5	0	U		0.0164	0.609
Phenol	108-95-2	3.12	0.0534	J	0.0245	0.609

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\051222\
Data File : 0512_32.D
Acq On : 12 May 2022 3:58 pm
Operator : 3545
Sample : L1488161-01 1x WG1860981
Misc : SOIL ISTD 22E03623 exp. 11/03/22
ALS Vial : 147 Sample Multiplier: 1

Quant Time: May 12 16:21:59 2022
Quant Method : C:\msdchem\1\methods\S824D29BV.M
Quant Title : 8270 BNA
QLast Update : Fri Apr 29 19:28:33 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

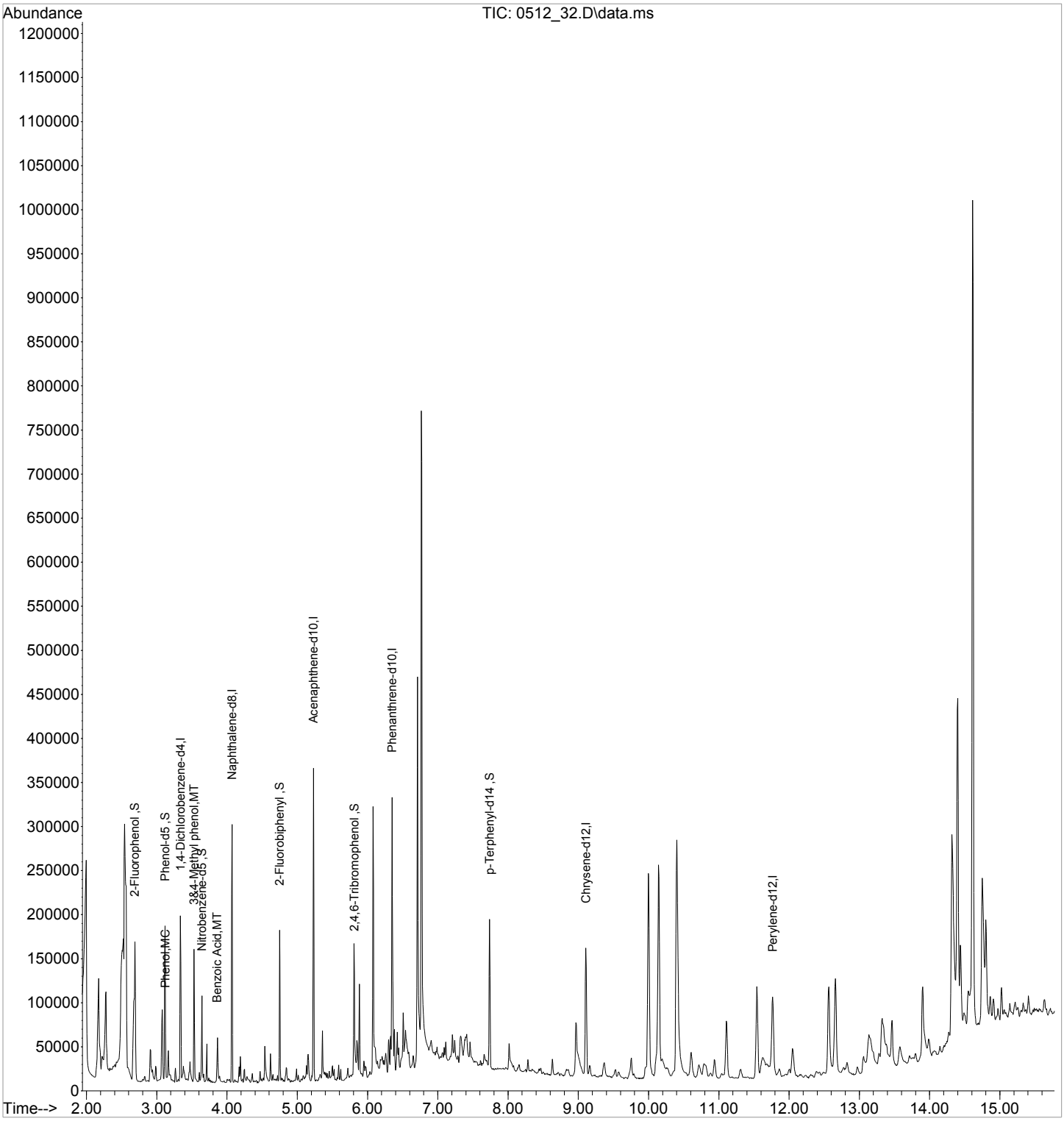
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.337	152	23863	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.072	136	98329	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.231	164	51071	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.348	188	85542	8000.0000000	ppb	0.00
84) Chrysene-d12	9.107	240	61181	8000.0000000	ppb	0.00
94) Perylene-d12	11.766	264	50501	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.690	112	39716	10630.3472242	ppb	0.01
Spiked Amount 20000.000	Range 20 - 120		Recovery = 53.15%			
7) Phenol-d5	3.119	99	44426	10022.0767908	ppb	0.00
Spiked Amount 20000.000	Range 20 - 120		Recovery = 50.11%			
24) Nitrobenzene-d5	3.643	82	19757	5283.4029365	ppb	0.00
Spiked Amount 10000.000	Range 18 - 125		Recovery = 52.83%			
50) 2-Fluorobiphenyl	4.748	172	40787	5029.2125021	ppb	0.00
Spiked Amount 10000.000	Range 28 - 120		Recovery = 50.29%			
73) 2,4,6-Tribromophenol	5.813	330	10734	11977.1847574	ppb	0.00
Spiked Amount 20000.000	Range 17 - 137		Recovery = 59.89%			
87) p-Terphenyl-d14	7.736	244	48660	5747.4161052	ppb	0.00
Spiked Amount 10000.000	Range 13 - 131		Recovery = 57.47%			
Target Compounds						Qvalue
8) Phenol	3.125	94	4267	908.0387853	ppb	95
21) 3&4-Methyl phenol	3.531	107	25518	6572.1161444	ppb	93
31) Benzoic Acid	3.860	105	4087	5553.0926288	ppb	83

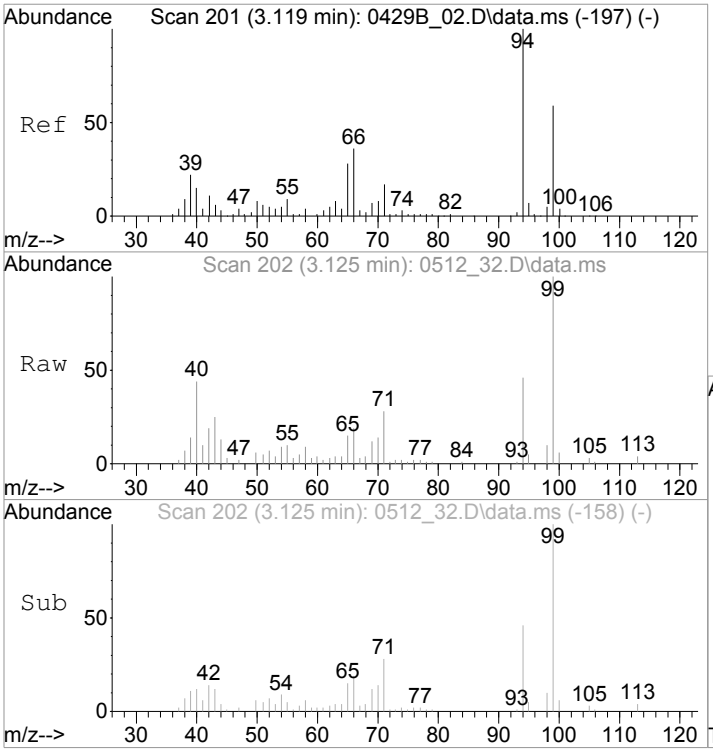
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\051222\
Data File : 0512_32.D
Acq On : 12 May 2022 3:58 pm
Operator : 3545
Sample : L1488161-01 1x WG1860981
Misc : SOIL ISTD 22E03623 exp. 11/03/22
ALS Vial : 147 Sample Multiplier: 1

Quant Time: May 12 16:21:59 2022
Quant Method : C:\msdchem\1\methods\S824D29BV.M
Quant Title : 8270 BNA
QLast Update : Fri Apr 29 19:28:33 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

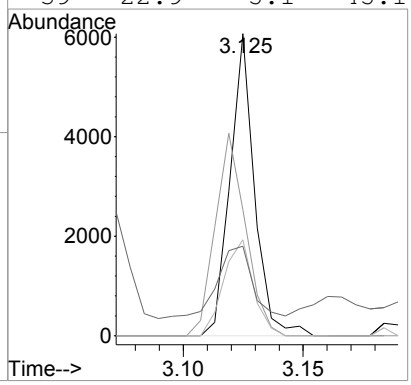


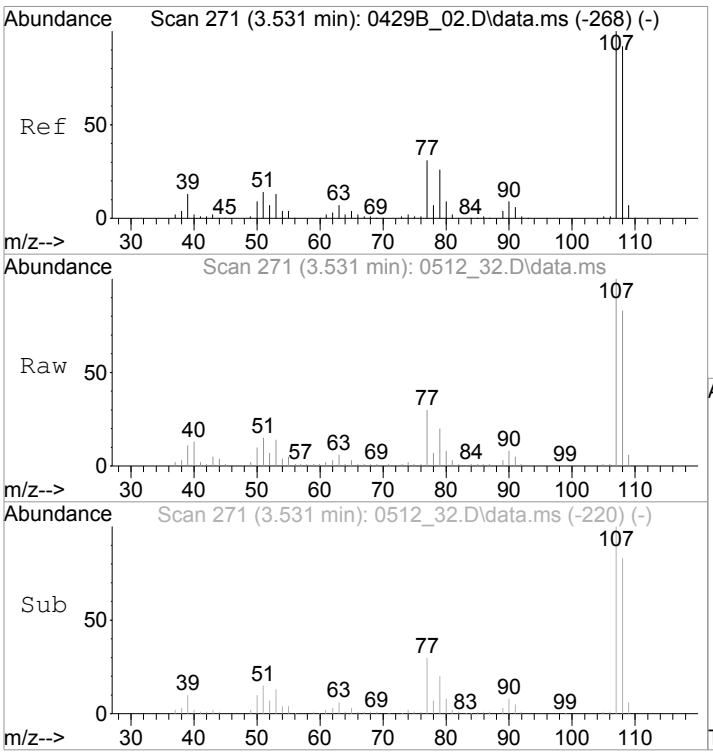


#8
Phenol
Concen: 908.0387853 ppb
RT: 3.125 min Scan# 202
Delta R.T. 0.006 min
Lab File: 0512_32.D
Acq: 12 May 2022 3:58 pm

Tgt Ion: 94 Resp: 4267

Ion	Ratio	Lower	Upper
94	100		
66	41.7	17.9	57.9
65	31.7	9.3	49.3
39	22.9	5.1	45.1

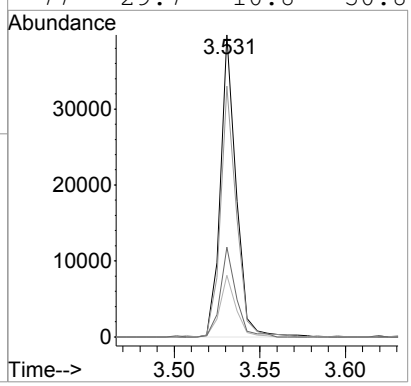


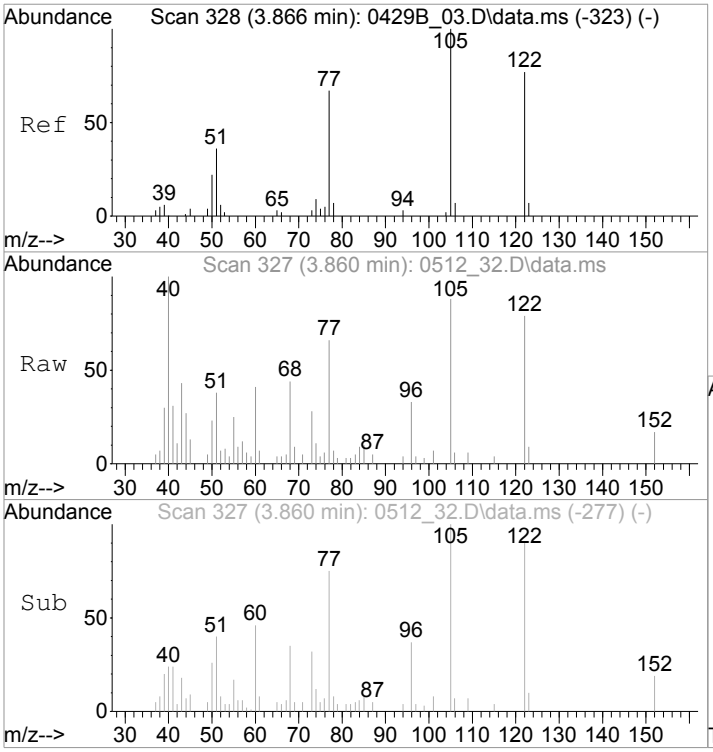


#21
3&4-Methyl phenol
Concen: 6572.1161444 ppb
RT: 3.531 min Scan# 271
Delta R.T. -0.000 min
Lab File: 0512_32.D
Acq: 12 May 2022 3:58 pm

Tgt Ion:107 Resp: 25518

Ion	Ratio	Lower	Upper
107	100		
108	83.0	70.8	110.8
79	20.4	5.5	45.5
77	29.7	10.8	50.8

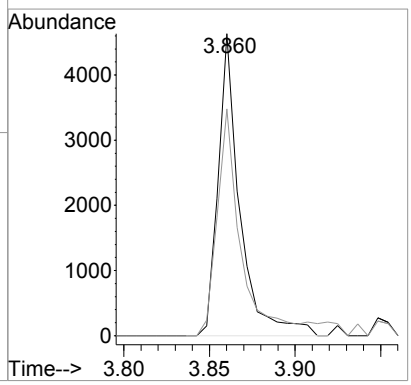




#31
Benzoic Acid
Concen: 5553.0926288 ppb
RT: 3.860 min Scan# 327
Delta R.T. -0.006 min
Lab File: 0512_32.D
Acq: 12 May 2022 3:58 pm

Tgt Ion:105 Resp: 4087

Ion	Ratio	Lower	Upper
105	100		
77	87.1	53.1	93.1



SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BNSF-BG18-042722-0-10

Lab Sample ID:	L1488161-02	**SDG:**	L1488161
Client Sample ID:	BNSF-BG18-042722-0-10	**Collected Date/Time:**	04/27/22 10:35
Lab File ID:	0512_18	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	BNAMS4	**Preparation Date/Time:**	05/11/22 03:10
Analytical Batch:	WG1860981	**Analysis Date/Time:**	05/12/22 10:39
Dilution Factor:	1	**Prep Method:**	3546
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	15.71 g
Total Solids (%):	58.9	**Final Wt/Vol:**	0.5 mL

Analyte	CAS	RT	Result (dry)	Qualifier	MDL (dry)	RDL (dry)
			mg/kg		*mg/kg*	*mg/kg*
Acenaphthene	83-32-9	0	U		0.00915	0.0565
Acenaphthylene	208-96-8	0	U		0.00796	0.0565
Anthracene	120-12-7	6.32	U		0.0101	0.0565
Benzoic Acid	65-85-0	3.79	U		0.200	2.84
Benzo(a)anthracene	56-55-3	0	U		0.00997	0.0565
Benzo(b)fluoranthene	205-99-2	0	U		0.0105	0.0565
Benzo(k)fluoranthene	207-08-9	0	U		0.0101	0.0565
Benzo(g,h,i)perylene	191-24-2	13.75	U		0.0103	0.0565
Benzo(a)pyrene	50-32-8	0	U		0.0105	0.0565
Carbazole	86-74-8	6.64	U		0.0175	0.565
Chrysene	218-01-9	0	U		0.0112	0.0565
Dibenz(a,h)anthracene	53-70-3	0	U		0.0157	0.0565
Dibenzofuran	132-64-9	0	U		0.0185	0.565
Fluoranthene	206-44-0	0	U		0.0102	0.0565
Fluorene	86-73-7	0	U		0.00920	0.0565
Indeno(1,2,3-cd)pyrene	193-39-5	13.69	U		0.0160	0.0565
1-Methylnaphthalene	90-12-0	0	U		0.00723	0.0565
2-Methylnaphthalene	91-57-6	0	U		0.00733	0.0565
Naphthalene	91-20-3	0	U		0.0142	0.0565
Phenanthrene	85-01-8	6.26	U		0.0112	0.0565
Bis(2-ethylhexyl)phthalate	117-81-7	9.08	U		0.0716	0.565
Di-n-butyl phthalate	84-74-2	6.71	U		0.0194	0.565
Di-n-octyl phthalate	117-84-0	10.35	U		0.0382	0.565
Pyrene	129-00-0	0	U		0.0110	0.0565
3&4-Methyl Phenol	3&4-Methyl Phenol	3.46	U		0.0177	0.565
Pentachlorophenol	87-86-5	0	U		0.0152	0.565
Phenol	108-95-2	0	U		0.0227	0.565

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 18.D Vial: 23
Acq On : 12 May 2022 10:39 am Operator: 3545
Sample : L1488161-02 1x WG1860981 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 13:56 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	43973	8000.00	ppb	0.00
23) Naphthalene-d8	3.98	136	168390	8000.00	ppb	0.00
46) Acenaphthene-d10	5.14	164	87621	8000.00	ppb	0.00
70) Phenanthrene-d10	6.26	188	166573	8000.00	ppb	0.00
84) Chrysene-d12	9.00	240	155278	8000.00	ppb	0.00
94) Perylene-d12	11.67	264	170085	8000.00	ppb	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	2.60	112	79431	11116.2036531	ppb	0.02
Spiked Amount 20000.000	Range 20 - 120		Recovery = 55.58%			
7) Phenol-d5	3.04	99	95879	11179.6869518	ppb	0.00
Spiked Amount 20000.000	Range 20 - 120		Recovery = 55.90%			
24) Nitrobenzene-d5	3.56	82	43585	6100.2182078	ppb	0.00
Spiked Amount 10000.000	Range 18 - 125		Recovery = 61.00%			
50) 2-Fluorobiphenyl	4.67	172	73912	5000.4603488	ppb	0.00
Spiked Amount 10000.000	Range 28 - 120		Recovery = 50.00%			
73) 2,4,6-Tribromophenol	5.72	330	22552	11959.9630294	ppb	0.00
Spiked Amount 20000.000	Range 17 - 137		Recovery = 59.80%			
87) p-Terphenyl-d14	7.65	244	124908	5886.1902476	ppb	0.00
Spiked Amount 10000.000	Range 13 - 131		Recovery = 58.86%			

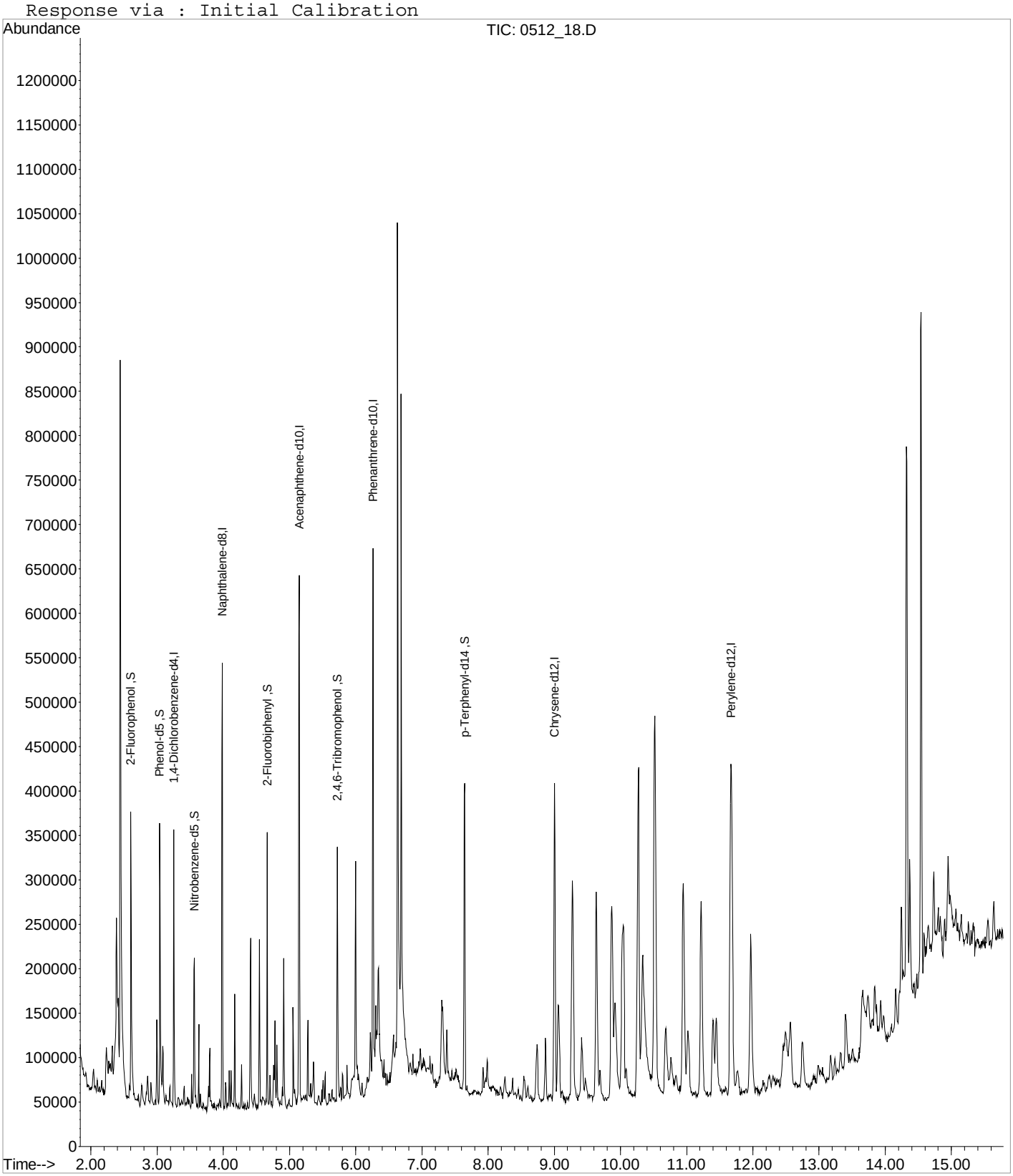
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
0512_18.D S804E04BV.M Fri May 13 13:56:56 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 18.D Vial: 23
Acq On : 12 May 2022 10:39 am Operator: 3545
Sample : L1488161-02 1x WG1860981 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 13:56 2022 Quant Results File: S804E04BV.RES

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration



SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BNSF-BG19-042722-0-10

Lab Sample ID:	L1488161-03	**SDG:**	L1488161
Client Sample ID:	BNSF-BG19-042722-0-10	**Collected Date/Time:**	04/27/22 11:05
Lab File ID:	0512_33	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	BNAMS4	**Preparation Date/Time:**	05/11/22 03:10
Analytical Batch:	WG1860981	**Analysis Date/Time:**	05/12/22 15:53
Dilution Factor:	5	**Prep Method:**	3546
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	15.62 g
Total Solids (%):	77.0	**Final Wt/Vol:**	0.5 mL

Analyte	CAS	RT	Result (dry)	Qualifier	MDL (dry)	RDL (dry)
			mg/kg		*mg/kg*	*mg/kg*
Acenaphthene	83-32-9	0	U		0.0349	0.217
Acenaphthylene	208-96-8	0	U		0.0304	0.217
Anthracene	120-12-7	0	U		0.0385	0.217
Benzoic Acid	65-85-0	3.79	U	J3	0.766	10.8
Benzo(a)anthracene	56-55-3	0	U		0.0380	0.217
Benzo(b)fluoranthene	205-99-2	0	U		0.0404	0.217
Benzo(k)fluoranthene	207-08-9	0	U		0.0384	0.217
Benzo(g,h,i)perylene	191-24-2	0	U		0.0396	0.217
Benzo(a)pyrene	50-32-8	0	U		0.0401	0.217
Carbazole	86-74-8	0	U	J3	0.0668	2.17
Chrysene	218-01-9	0	U		0.0430	0.217
Dibenz(a,h)anthracene	53-70-3	0	U		0.0600	0.217
Dibenzofuran	132-64-9	0	U		0.0707	2.17
Fluoranthene	206-44-0	0	U		0.0391	0.217
Fluorene	86-73-7	0	U		0.0352	0.217
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.0611	0.217
1-Methylnaphthalene	90-12-0	0	U		0.0276	0.217
2-Methylnaphthalene	91-57-6	0	U		0.0280	0.217
Naphthalene	91-20-3	0	U		0.0543	0.217
Phenanthrene	85-01-8	0	U		0.0430	0.217
Bis(2-ethylhexyl)phthalate	117-81-7	9.31	U	J3	0.274	2.17
Di-n-butyl phthalate	84-74-2	6.71	U	J3	0.0740	2.17
Di-n-octyl phthalate	117-84-0	10.12	U	J3	0.147	2.17
Pyrene	129-00-0	0	U		0.0421	0.217
3&4-Methyl Phenol	3&4-Methyl Phenol	0	U		0.0675	2.17
Pentachlorophenol	87-86-5	0	U	J3	0.0581	2.17
Phenol	108-95-2	0	U		0.0870	2.17

Sample Narrative:
Dilution due to matrix

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 33.D Vial: 38
Acq On : 12 May 2022 3:53 pm Operator: 3545
Sample : L1488161-03 5x WG1860981 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 14:26 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	49876	8000.00	ppb	0.00
23) Naphthalene-d8	3.98	136	190994	8000.00	ppb	0.00
46) Acenaphthene-d10	5.14	164	96612	8000.00	ppb	0.00
70) Phenanthrene-d10	6.26	188	183067	8000.00	ppb	0.00
84) Chrysene-d12	9.00	240	168032	8000.00	ppb	0.00
94) Perylene-d12	11.67	264	187222	8000.00	ppb	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	2.60	112	15888	1960.3344639	ppb	0.01
Spiked Amount 20000.000	Range 20 - 120		Recovery = 9.80%#			
7) Phenol-d5	3.04	99	17343	1782.8912381	ppb	0.00
Spiked Amount 20000.000	Range 20 - 120		Recovery = 8.91%#			
24) Nitrobenzene-d5	3.56	82	8499	1048.7518062	ppb	0.00
Spiked Amount 10000.000	Range 18 - 125		Recovery = 10.49%#			
50) 2-Fluorobiphenyl	4.67	172	14467	887.6681714	ppb	0.00
Spiked Amount 10000.000	Range 28 - 120		Recovery = 8.88%#			
73) 2,4,6-Tribromophenol	5.72	330	4103	1979.8889607	ppb	0.00
Spiked Amount 20000.000	Range 17 - 137		Recovery = 9.90%#			
87) p-Terphenyl-d14	7.65	244	23414	1019.6182173	ppb	0.00
Spiked Amount 10000.000	Range 13 - 131		Recovery = 10.20%#			

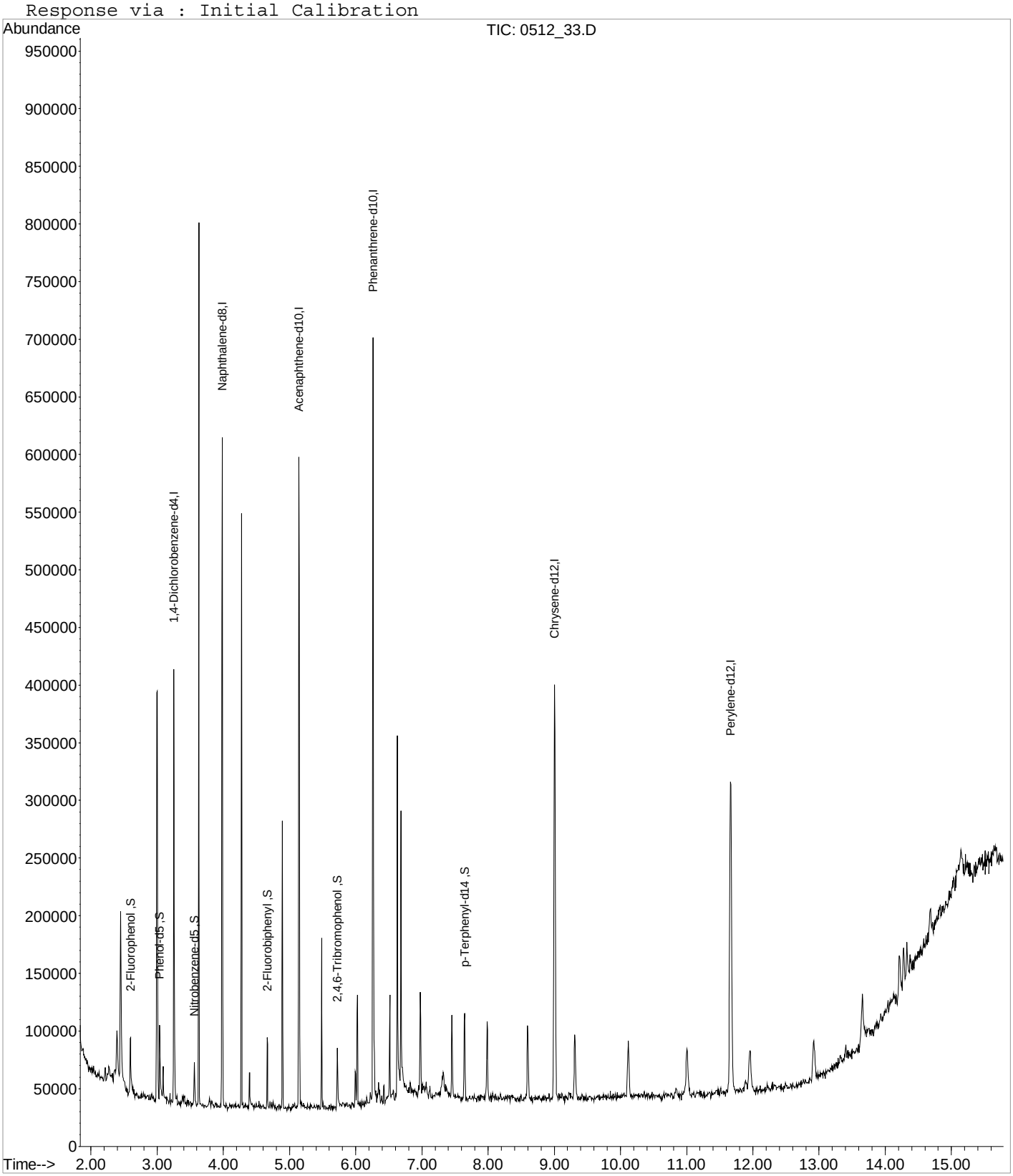
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
0512_33.D S804E04BV.M Fri May 13 14:26:43 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 33.D Vial: 38
Acq On : 12 May 2022 3:53 pm Operator: 3545
Sample : L1488161-03 5x WG1860981 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 14:26 2022 Quant Results File: S804E04BV.RES

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration



SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BNSF-SG03-042722-0-5.5

Lab Sample ID:	L1488161-04	**SDG:**	L1488161
Client Sample ID:	BNSF-SG03-042722-0-5.5	**Collected Date/Time:**	04/27/22 12:00
Lab File ID:	0512_21	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	BNAMS4	**Preparation Date/Time:**	05/11/22 03:10
Analytical Batch:	WG1860981	**Analysis Date/Time:**	05/12/22 11:42
Dilution Factor:	1	**Prep Method:**	3546
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	15.23 g
Total Solids (%):	75.5	**Final Wt/Vol:**	0.5 mL

Analyte	CAS	RT	Result (dry)	Qualifier	MDL (dry)	RDL (dry)
			mg/kg		*mg/kg*	*mg/kg*
Acenaphthene	83-32-9	5.16	0.0604		0.00714	0.0441
Acenaphthylene	208-96-8	0	U		0.00621	0.0441
Anthracene	120-12-7	6.32	0.126		0.00785	0.0441
Benzoic Acid	65-85-0	3.79	U		0.156	2.21
Benzo(a)anthracene	56-55-3	8.99	0.384		0.00777	0.0441
Benzo(b)fluoranthene	205-99-2	10.91	0.463		0.00822	0.0441
Benzo(k)fluoranthene	207-08-9	10.96	0.168		0.00784	0.0441
Benzo(g,h,i)perylene	191-24-2	14.04	0.236		0.00806	0.0441
Benzo(a)pyrene	50-32-8	11.55	0.434		0.00820	0.0441
Carbazole	86-74-8	6.45	0.0800	J	0.0136	0.441
Chrysene	218-01-9	9.05	0.400		0.00877	0.0441
Dibenz(a,h)anthracene	53-70-3	13.73	0.0588		0.0122	0.0441
Dibenzofuran	132-64-9	5.29	0.0365	J	0.0144	0.441
Fluoranthene	206-44-0	7.27	0.844		0.00796	0.0441
Fluorene	86-73-7	5.54	0.0528		0.00718	0.0441
Indeno(1,2,3-cd)pyrene	193-39-5	13.69	0.246		0.0125	0.0441
1-Methylnaphthalene	90-12-0	4.49	0.00640	J	0.00564	0.0441
2-Methylnaphthalene	91-57-6	4.43	0.00871	J	0.00572	0.0441
Naphthalene	91-20-3	4	0.0211	J	0.0111	0.0441
Phenanthrene	85-01-8	6.28	0.507		0.00875	0.0441
Bis(2-ethylhexyl)phthalate	117-81-7	9.08	U		0.0559	0.441
Di-n-butyl phthalate	84-74-2	6.71	U		0.0151	0.441
Di-n-octyl phthalate	117-84-0	10.27	U		0.0298	0.441
Pyrene	129-00-0	7.49	0.624		0.00858	0.0441
3&4-Methyl Phenol	3&4-Methyl Phenol	0	U		0.0138	0.441
Pentachlorophenol	87-86-5	0	U		0.0119	0.441
Phenol	108-95-2	0	U		0.0177	0.441

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 21.D Vial: 26
Acq On : 12 May 2022 11:42 am Operator: 3545
Sample : L1488161-04 1x WG1860981 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 14:00 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

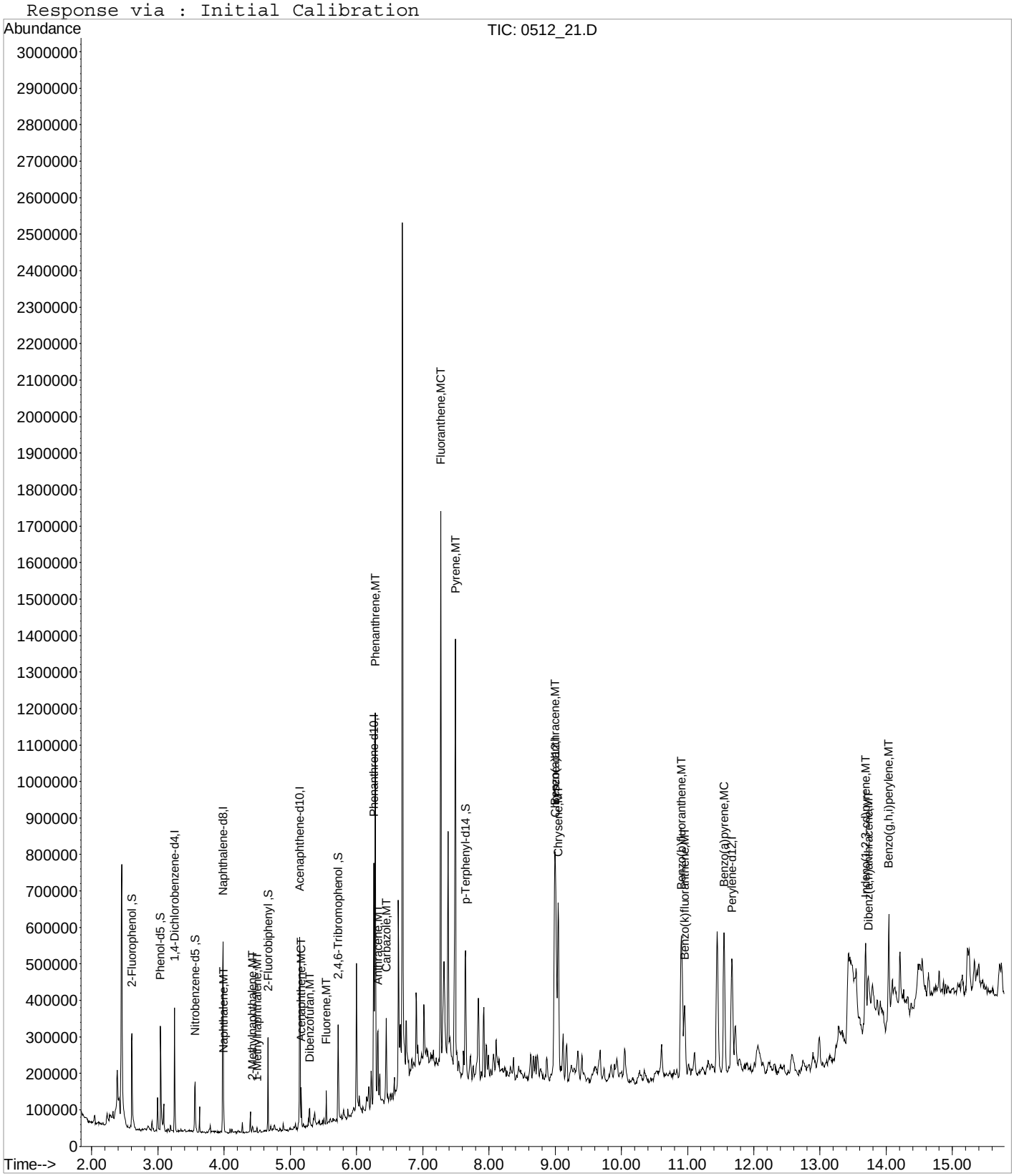
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	46741	8000.00	ppb		0.00
23) Naphthalene-d8	3.98	136	174065	8000.00	ppb		0.00
46) Acenaphthene-d10	5.14	164	91000	8000.00	ppb		0.00
70) Phenanthrene-d10	6.26	188	181042	8000.00	ppb		0.00
84) Chrysene-d12	9.01	240	191934	8000.00	ppb		0.00
94) Perylene-d12	11.67	264	211019	8000.00	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.61	112	65691	8648.8911964	ppb		0.02
Spiked Amount 20000.000	Range 20 - 120		Recovery = 43.24%				
7) Phenol-d5	3.04	99	80798	8863.2878497	ppb		0.00
Spiked Amount 20000.000	Range 20 - 120		Recovery = 44.32%				
24) Nitrobenzene-d5	3.56	82	34837	4716.8700430	ppb		0.00
Spiked Amount 10000.000	Range 18 - 125		Recovery = 47.17%				
50) 2-Fluorobiphenyl	4.67	172	63430	4131.9642777	ppb		0.00
Spiked Amount 10000.000	Range 28 - 120		Recovery = 41.32%				
73) 2,4,6-Tribromophenol	5.72	330	19577	9552.4810307	ppb		0.00
Spiked Amount 20000.000	Range 17 - 137		Recovery = 47.76%				
87) p-Terphenyl-d14	7.65	244	120067	4577.4721856	ppb		0.00
Spiked Amount 10000.000	Range 13 - 131		Recovery = 45.77%				
Target Compounds							Qvalue
34) Naphthalene	4.00	128	10728	483.9840080	ppb		96
41) 2-Methylnaphthalene	4.43	142	2896	200.5037773	ppb	#	87
42) 1-Methylnaphthalene	4.49	142	2000	147.3456166	ppb	#	73
58) Acenaphthene	5.16	153	18501	1389.6216626	ppb		95
60) Dibenzofuran	5.29	168	15529	841.0508411	ppb	#	89
64) Fluorene	5.54	166	18200	1215.1906785	ppb		98
78) Phenanthrene	6.28	178	278496	11691.6519118	ppb		99
79) Anthracene	6.32	178	70003	2903.3862773	ppb		97
80) Carbazole	6.45	167	40485	1840.3517248	ppb		95
83) Fluoranthene	7.27	202	491143	19408.8172813	ppb		100
86) Pyrene	7.49	202	443883	14373.1028597	ppb		98
90) Benzo(a)anthracene	8.99	228	244463	8845.3816079	ppb		96
91) Chrysene	9.05	228	246727	9211.9480219	ppb		95
95) Benzo(b)fluoranthene	10.91	252	320794	10671.5201198	ppb		94
96) Benzo(k)fluoranthene	10.96	252	114504	3867.0947490	ppb		95
97) Benzo(a)pyrene	11.55	252	260746	10014.8916805	ppb		94
98) Indeno(1,2,3-cd)pyrene	13.69	276	145048m	5670.3758906	ppb		
99) Dibenz(a,h)anthracene	13.73	278	36921	1354.2931726	ppb		96
100) Benzo(g,h,i)perylene	14.04	276	144774	5437.6368383	ppb		95

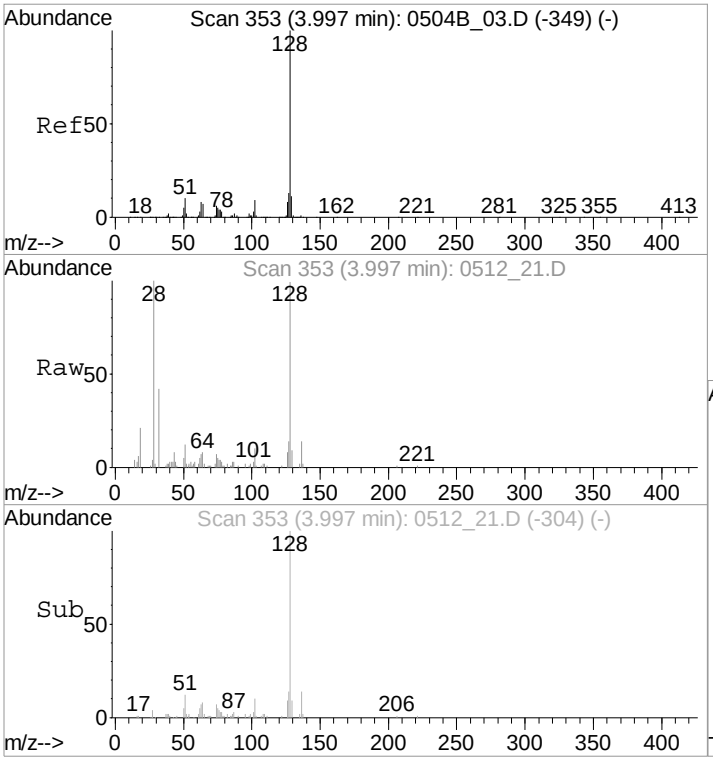
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 21.D Vial: 26
Acq On : 12 May 2022 11:42 am Operator: 3545
Sample : L1488161-04 1x WG1860981 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 14:00 2022 Quant Results File: S804E04BV.RES

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration

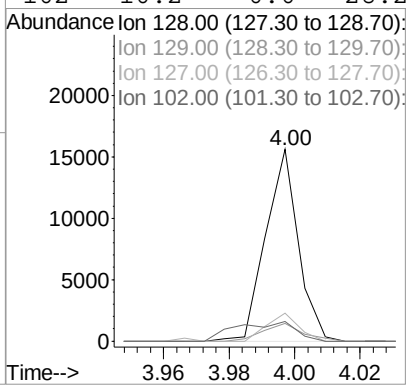


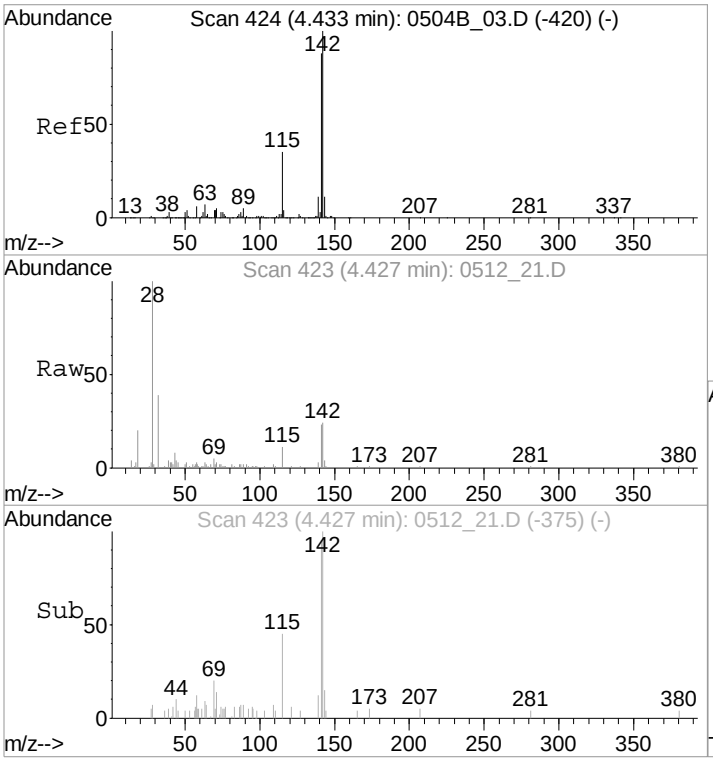


#34
Naphthalene
Concen: 483.9840080 ppb
RT: 4.00 min Scan# 353
Delta R.T. -0.00 min
Lab File: 0512_21.D
Acq: 12 May 2022 11:42 am

Tgt Ion:128 Resp: 10728

Ion	Ratio	Lower	Upper
128	100		
129	9.3	0.0	30.9
127	14.5	0.0	33.1
102	10.2	0.0	28.2

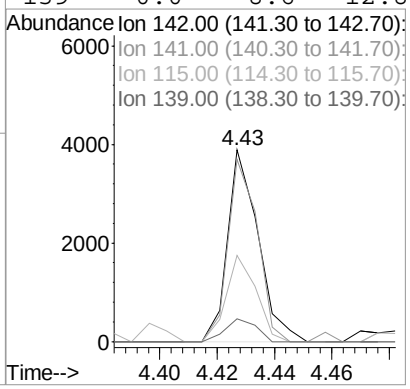


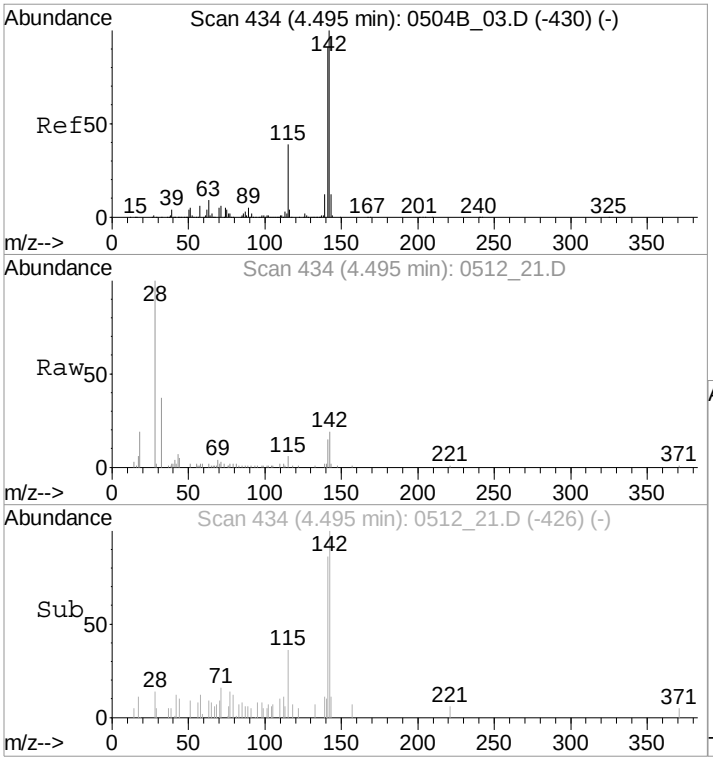


#41
2-Methylnaphthalene
Concen: 200.5037773 ppb
RT: 4.43 min Scan# 423
Delta R.T. -0.01 min
Lab File: 0512_21.D
Acq: 12 May 2022 11:42 am

Tgt Ion:142 Resp: 2896

Ion	Ratio	Lower	Upper
142	100		
141	91.4	68.1	102.1
115	44.1	24.7	37.1#
139	0.0	8.6	12.8#

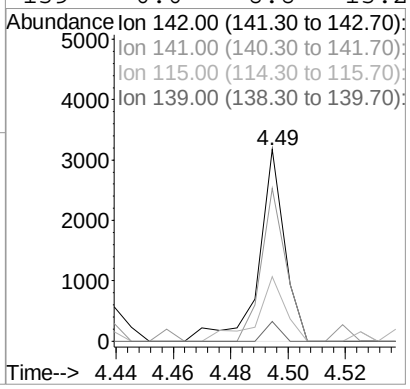


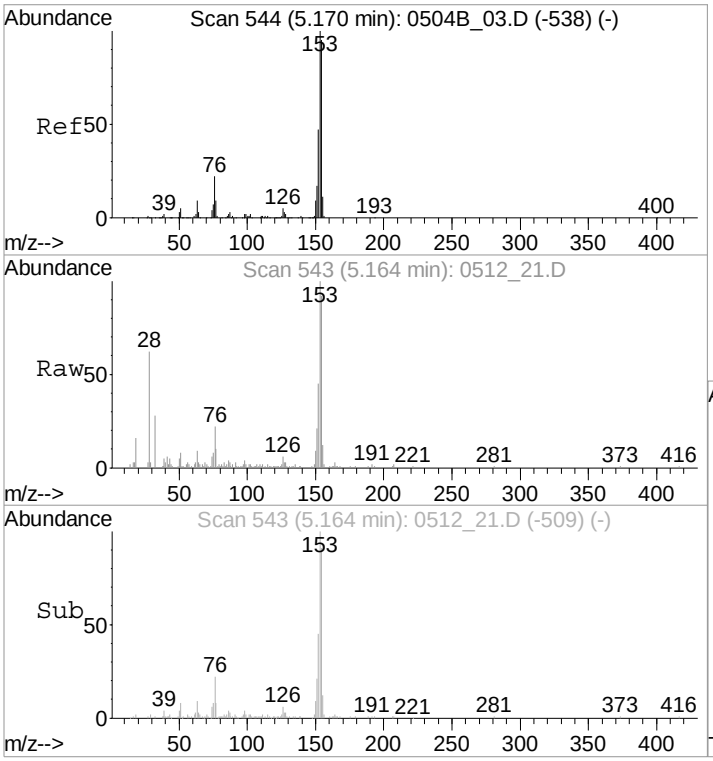


#42
1-Methylnaphthalene
Concen: 147.3456166 ppb
RT: 4.49 min Scan# 434
Delta R.T. -0.00 min
Lab File: 0512_21.D
Acq: 12 May 2022 11:42 am

Tgt Ion:142 Resp: 2000

Ion	Ratio	Lower	Upper
142	100		
141	75.0	71.7	107.5
115	0.0	26.5	39.7#
139	0.0	8.8	13.2#

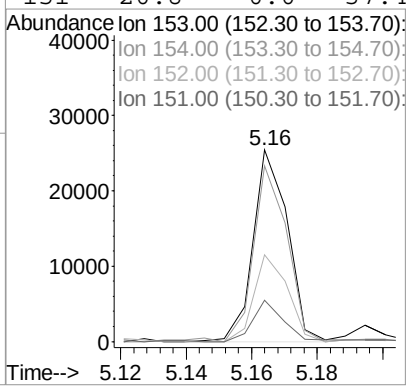


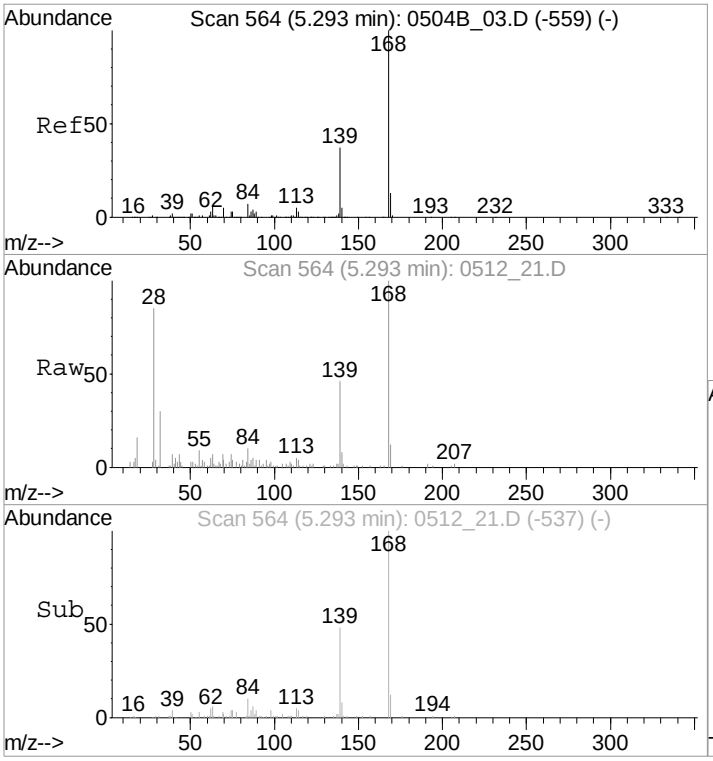


#58
Acenaphthene
Concen: 1389.6216626 ppb
RT: 5.16 min Scan# 543
Delta R.T. -0.01 min
Lab File: 0512_21.D
Acq: 12 May 2022 11:42 am

Tgt Ion:153 Resp: 18501

Ion	Ratio	Lower	Upper
153	100		
154	91.7	77.6	117.6
152	45.4	26.3	66.3
151	20.8	0.0	37.4

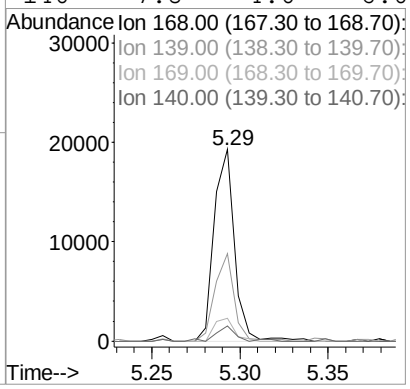


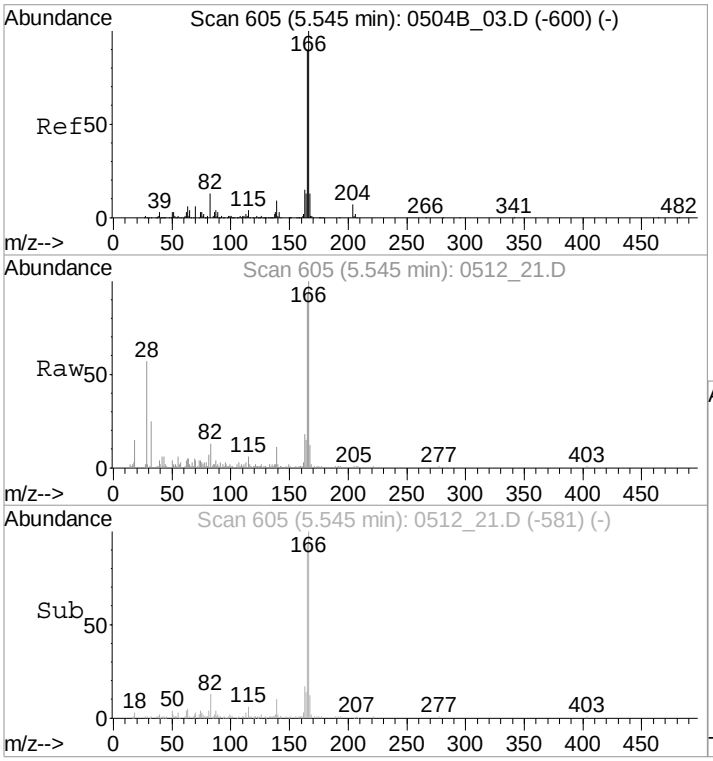


#60
Dibenzofuran
Concen: 841.0508411 ppb
RT: 5.29 min Scan# 564
Delta R.T. -0.00 min
Lab File: 0512_21.D
Acq: 12 May 2022 11:42 am

Tgt Ion:168 Resp: 15529

Ion	Ratio	Lower	Upper
168	100		
139	43.2	28.2	42.2#
169	11.7	10.7	16.1
140	7.8	4.0	6.0#

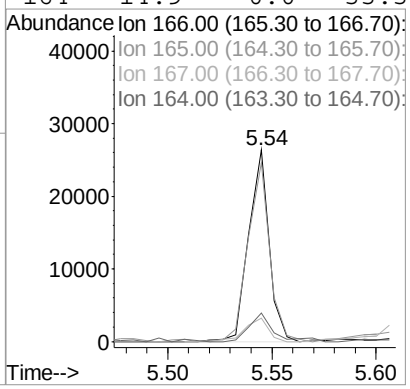


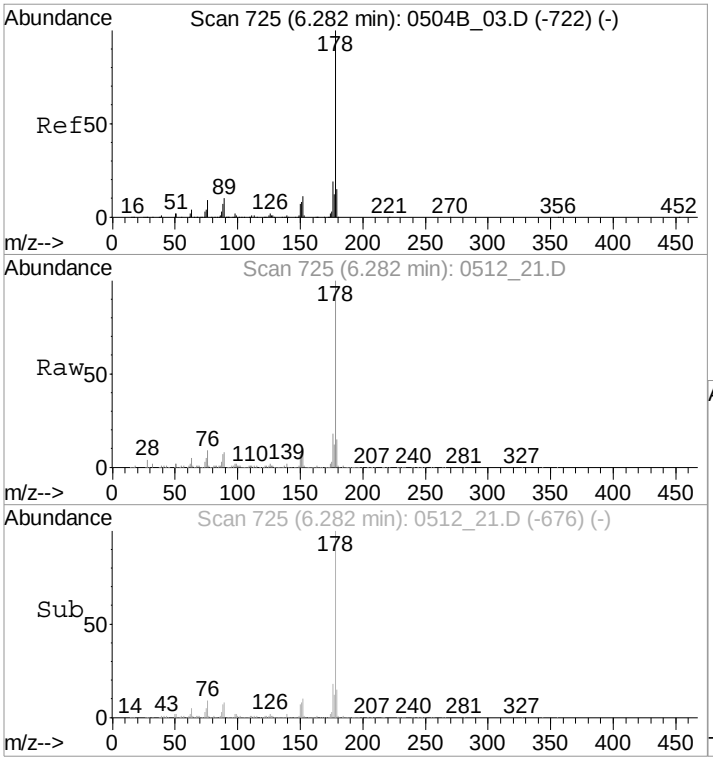


#64
Fluorene
Concen: 1215.1906785 ppb
RT: 5.54 min Scan# 605
Delta R.T. -0.00 min
Lab File: 0512_21.D
Acq: 12 May 2022 11:42 am

Tgt Ion:166 Resp: 18200

Ion	Ratio	Lower	Upper
166	100		
165	92.2	73.4	113.4
167	12.1	0.0	33.7
164	14.9	0.0	33.3

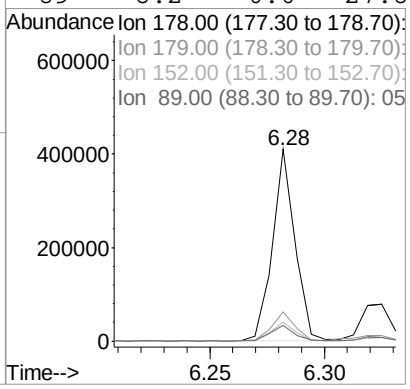


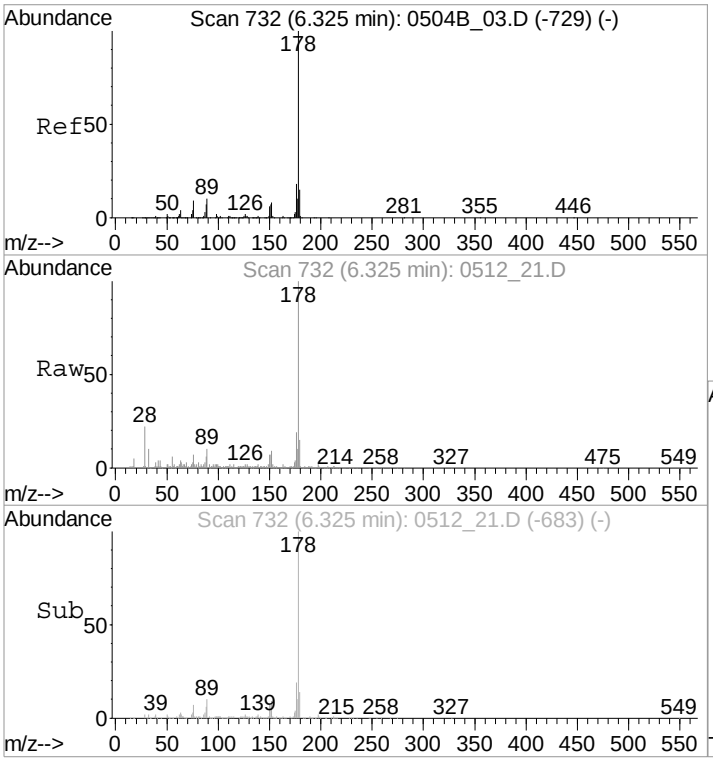


#78
Phenanthrene
Concen: 11691.6519118 ppb
RT: 6.28 min Scan# 725
Delta R.T. -0.00 min
Lab File: 0512_21.D
Acq: 12 May 2022 11:42 am

Tgt Ion:178 Resp: 278496

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	34.8
152	9.7	0.0	29.2
89	8.2	0.0	27.8

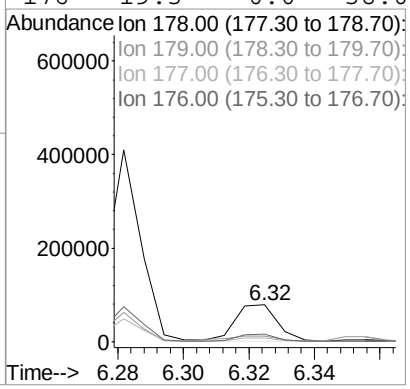


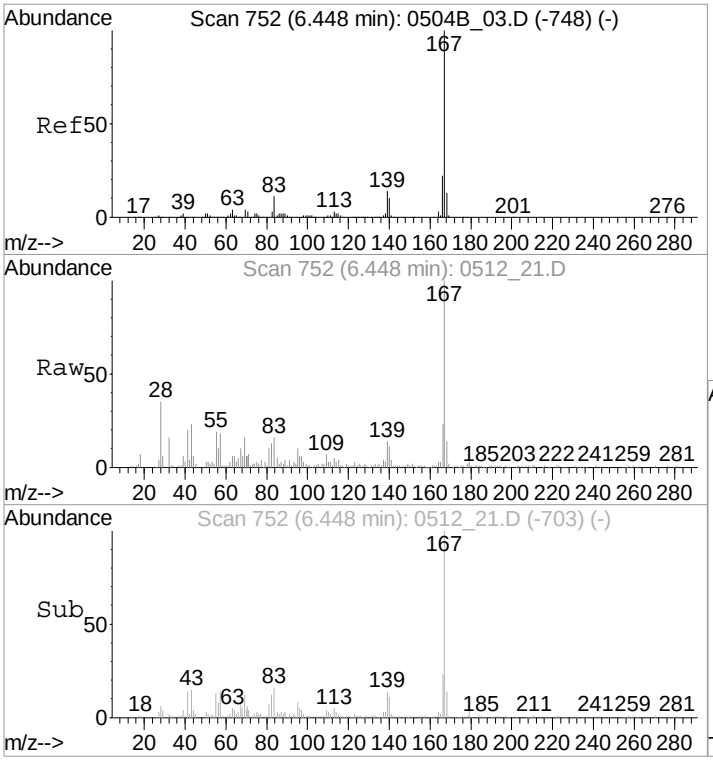


#79
Anthracene
Concen: 2903.3862773 ppb
RT: 6.32 min Scan# 732
Delta R.T. -0.00 min
Lab File: 0512_21.D
Acq: 12 May 2022 11:42 am

Tgt Ion:178 Resp: 70003

Ion	Ratio	Lower	Upper
178	100		
179	13.1	0.0	35.2
177	9.8	0.0	30.2
176	19.3	0.0	38.0

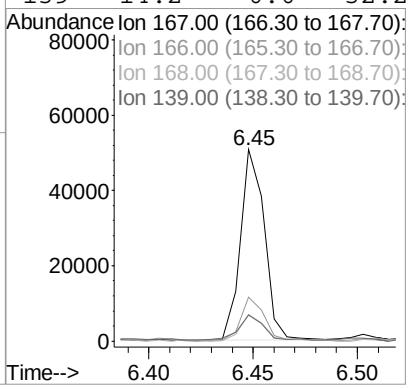


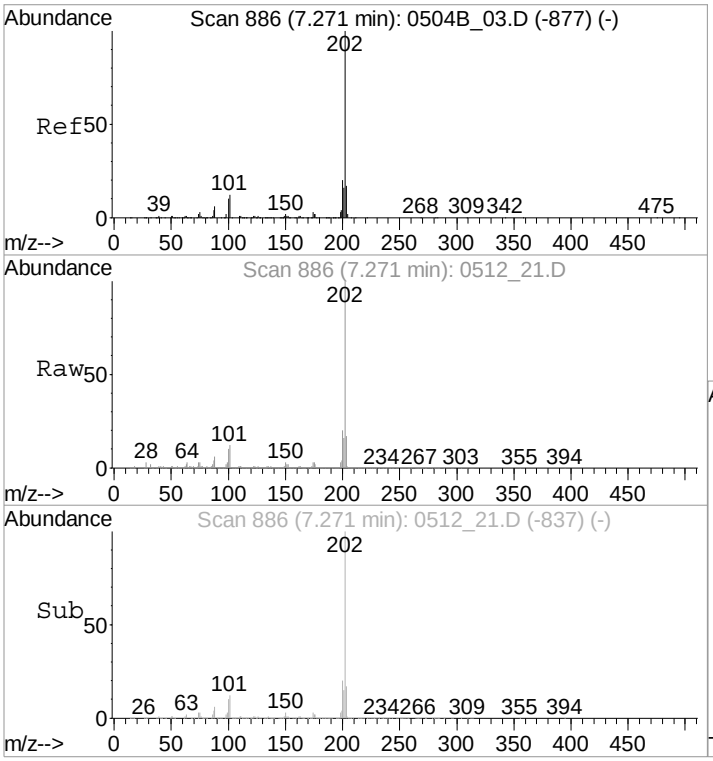


#80
Carbazole
Concen: 1840.3517248 ppb
RT: 6.45 min Scan# 752
Delta R.T. -0.00 min
Lab File: 0512_21.D
Acq: 12 May 2022 11:42 am

Tgt Ion:167 Resp: 40485

Ion	Ratio	Lower	Upper
167	100		
166	23.6	0.8	40.8
168	14.8	0.0	33.0
139	14.2	0.0	32.2

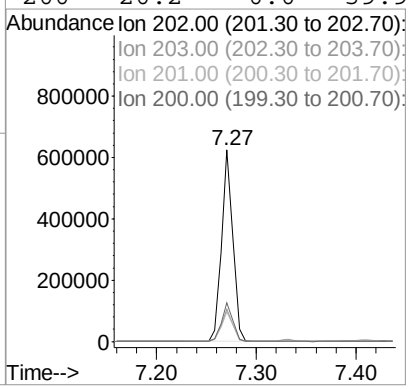


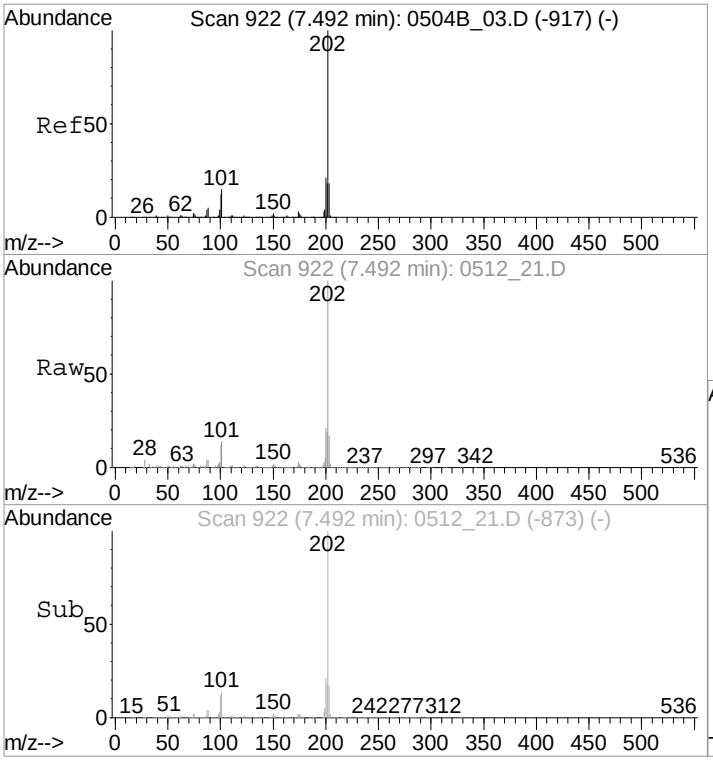


#83
Fluoranthene
Concen: 19408.8172813 ppb
RT: 7.27 min Scan# 886
Delta R.T. -0.00 min
Lab File: 0512_21.D
Acq: 12 May 2022 11:42 am

Tgt Ion:202 Resp: 491143

Ion	Ratio	Lower	Upper
202	100		
203	16.9	0.0	37.1
201	15.5	0.0	35.4
200	20.2	0.0	39.9

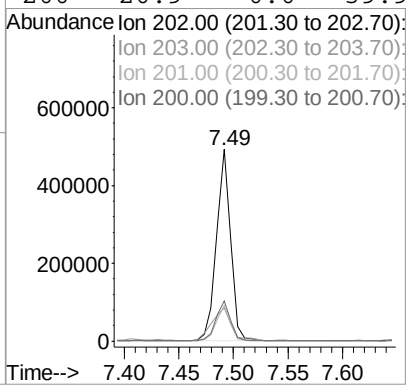


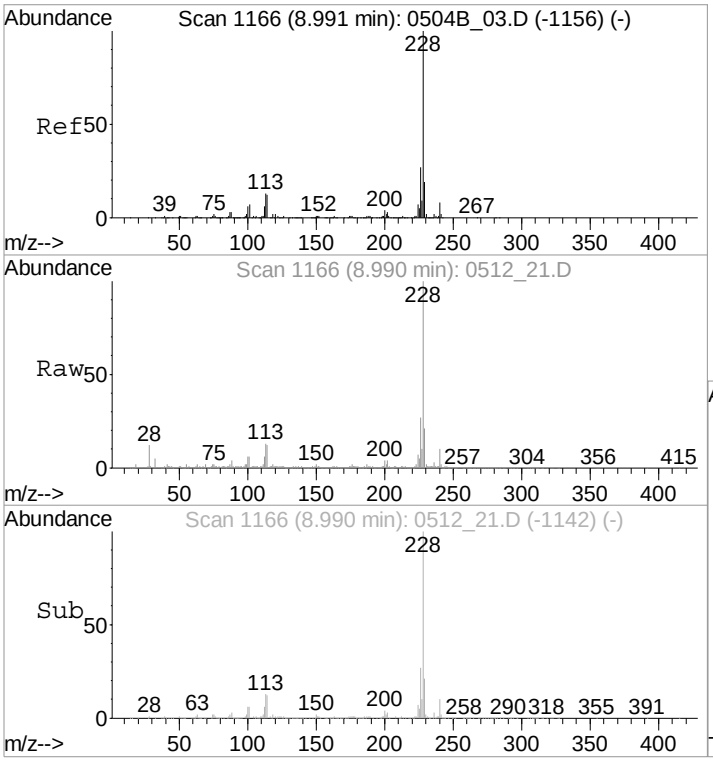


#86
Pyrene
Concen: 14373.1028597 ppb
RT: 7.49 min Scan# 922
Delta R.T. -0.00 min
Lab File: 0512_21.D
Acq: 12 May 2022 11:42 am

Tgt Ion:202 Resp: 443883

Ion	Ratio	Lower	Upper
202	100		
203	17.1	0.0	37.5
201	18.5	0.0	37.3
200	20.9	0.0	39.9

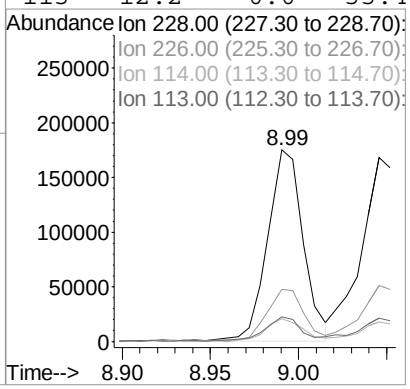


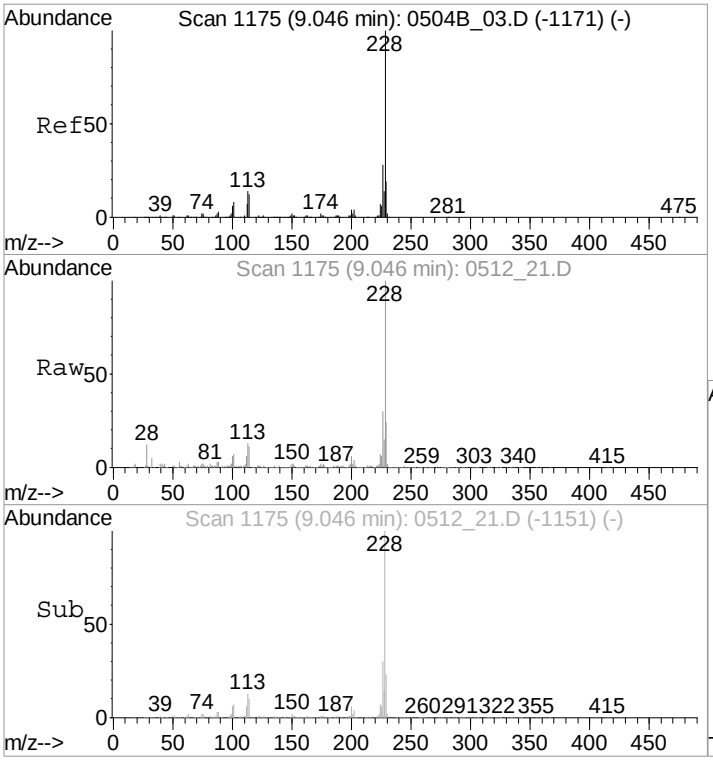


#90
Benzo(a)anthracene
Concen: 8845.3816079 ppb
RT: 8.99 min Scan# 1166
Delta R.T. -0.00 min
Lab File: 0512_21.D
Acq: 12 May 2022 11:42 am

Tgt Ion:228 Resp: 244463

Ion	Ratio	Lower	Upper
228	100		
226	27.0	6.1	46.1
114	11.6	0.0	34.7
113	12.2	0.0	33.4

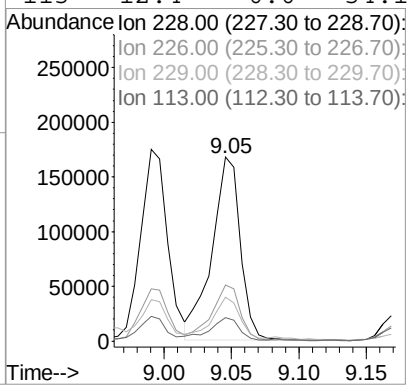


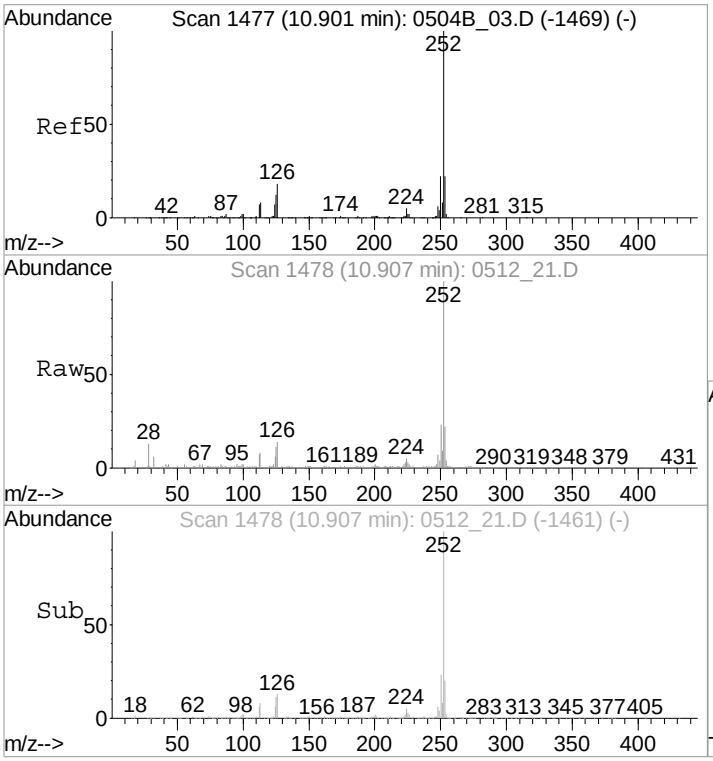


#91
Chrysene
Concen: 9211.9480219 ppb
RT: 9.05 min Scan# 1175
Delta R.T. -0.00 min
Lab File: 0512_21.D
Acq: 12 May 2022 11:42 am

Tgt Ion:228 Resp: 246727

Ion	Ratio	Lower	Upper
228	100		
226	29.9	8.6	48.6
229	23.0	0.0	38.6
113	12.4	0.0	34.1

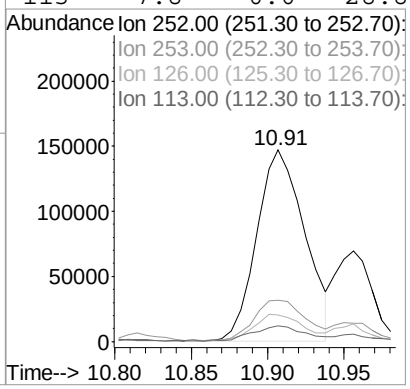


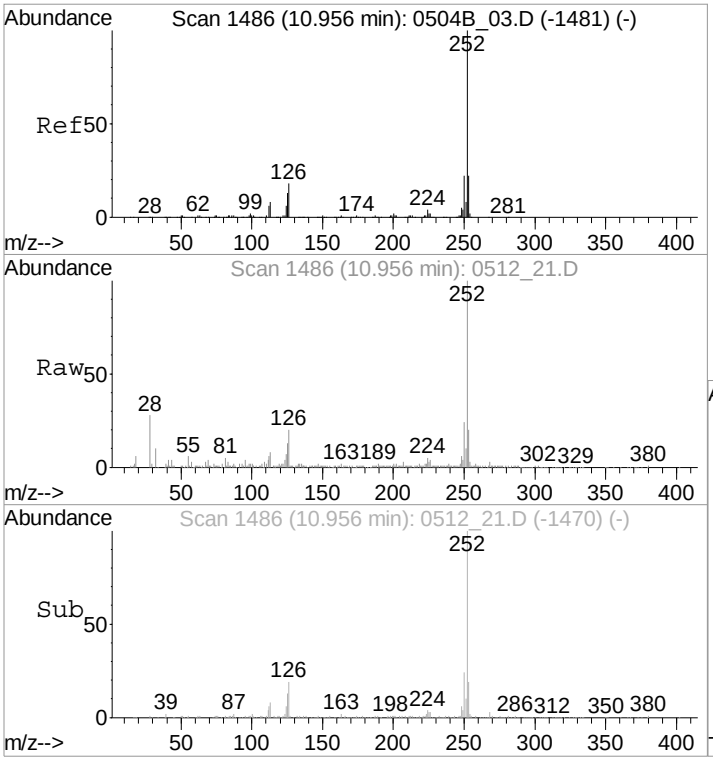


#95
Benzo(b)fluoranthene
Concen: 10671.5201198 ppb
RT: 10.91 min Scan# 1478
Delta R.T. 0.01 min
Lab File: 0512_21.D
Acq: 12 May 2022 11:42 am

Tgt Ion:252 Resp: 320794

Ion	Ratio	Lower	Upper
252	100		
253	20.6	1.6	41.6
126	13.1	0.0	38.3
113	7.8	0.0	28.8

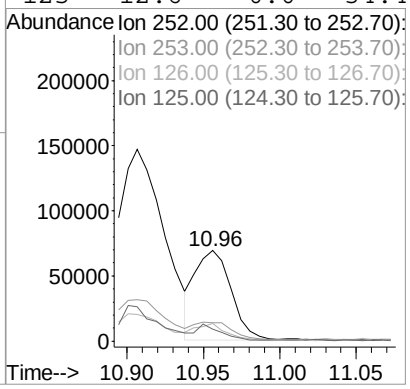


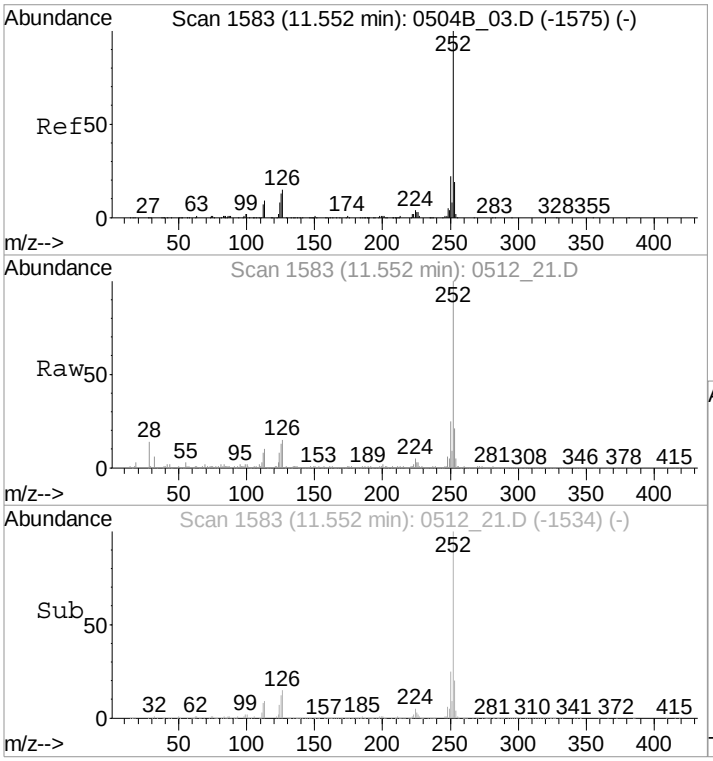


#96
Benzo(k)fluoranthene
Concen: 3867.0947490 ppb
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: 0512_21.D
Acq: 12 May 2022 11:42 am

Tgt Ion:252 Resp: 114504

Ion	Ratio	Lower	Upper
252	100		
253	18.2	2.4	42.4
126	18.9	0.0	40.0
125	12.6	0.0	34.4

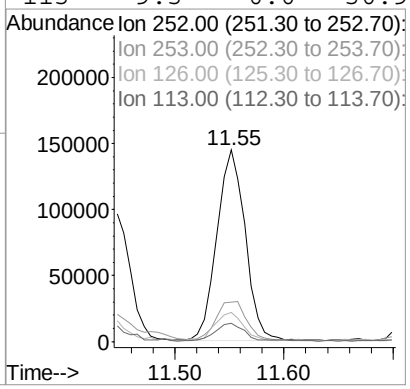


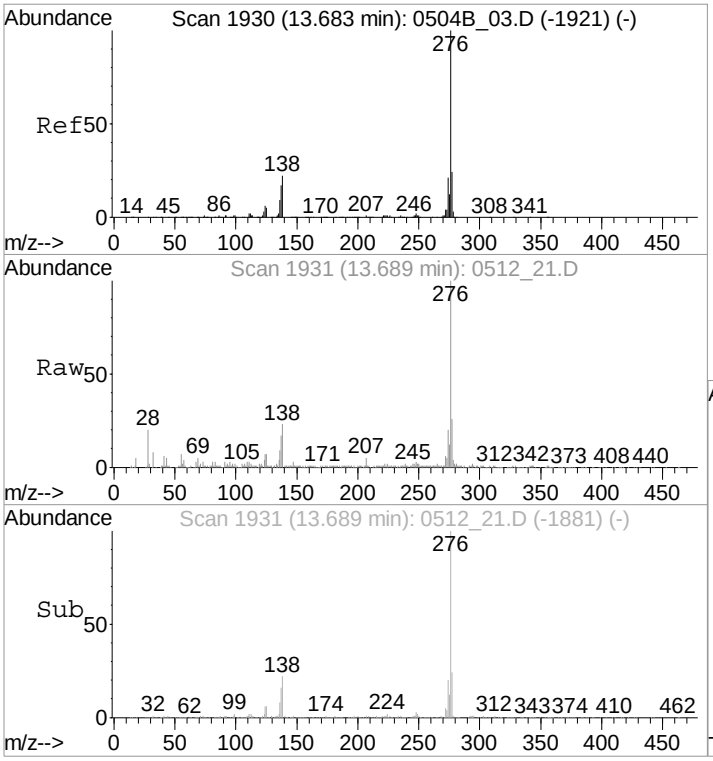


#97
Benzo(a)pyrene
Concen: 10014.8916805 ppb
RT: 11.55 min Scan# 1583
Delta R.T. -0.00 min
Lab File: 0512_21.D
Acq: 12 May 2022 11:42 am

Tgt Ion:252 Resp: 260746

Ion	Ratio	Lower	Upper
252	100		
253	20.1	1.6	41.6
126	14.7	0.0	39.2
113	9.3	0.0	30.9

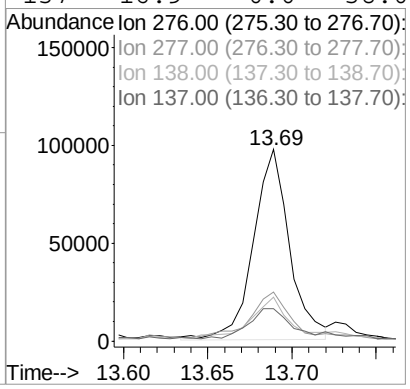


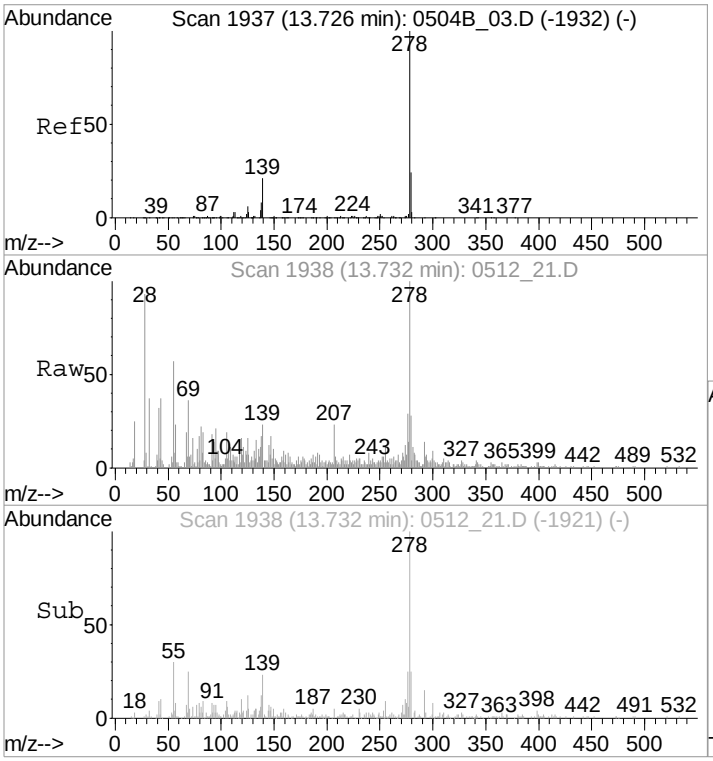


#98
Indeno(1,2,3-cd)pyrene
Concen: 5670.3758906 ppb m
RT: 13.69 min Scan# 1931
Delta R.T. 0.01 min
Lab File: 0512_21.D
Acq: 12 May 2022 11:42 am

Tgt Ion:276 Resp: 145048

Ion	Ratio	Lower	Upper
276	100		
277	25.5	4.1	44.1
138	22.7	5.3	45.3
137	16.9	0.0	38.0

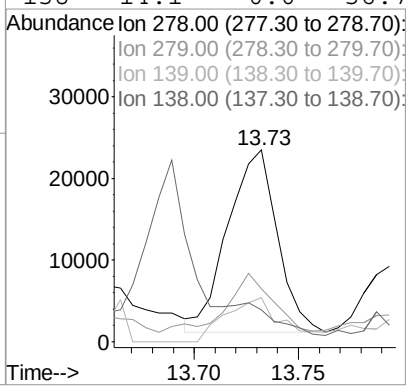


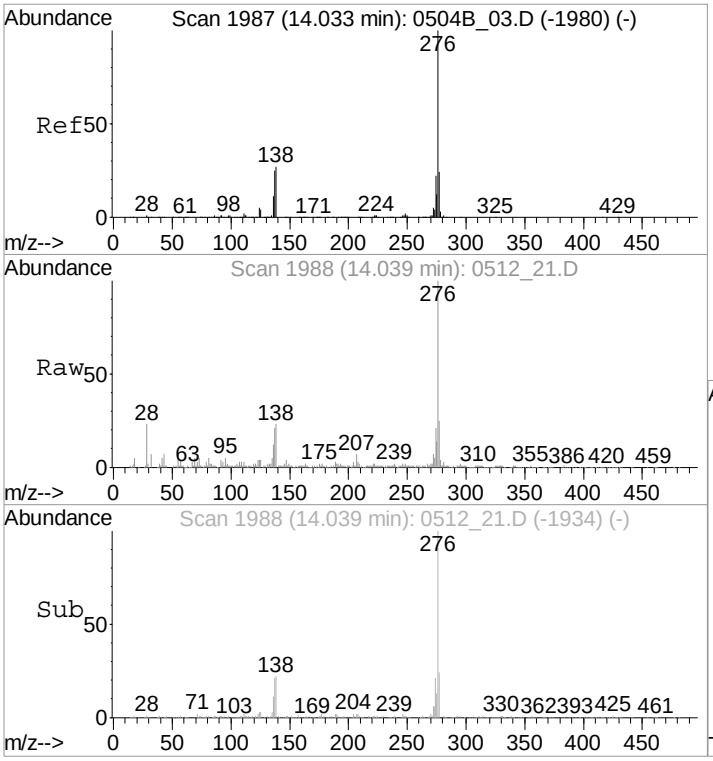


#99
Dibenz(a,h)anthracene
Concen: 1354.2931726 ppb
RT: 13.73 min Scan# 1938
Delta R.T. 0.01 min
Lab File: 0512_21.D
Acq: 12 May 2022 11:42 am

Tgt Ion:278 Resp: 36921

Ion	Ratio	Lower	Upper
278	100		
279	23.0	4.4	44.4
139	24.0	2.1	42.1
138	14.1	0.0	36.7

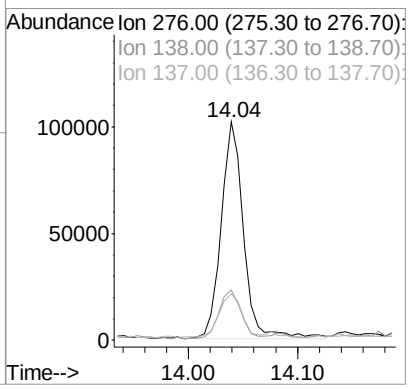




#100
Benzo(g,h,i)perylene
Concen: 5437.6368383 ppb
RT: 14.04 min Scan# 1988
Delta R.T. 0.01 min
Lab File: 0512_21.D
Acq: 12 May 2022 11:42 am

Tgt Ion:276 Resp: 144774

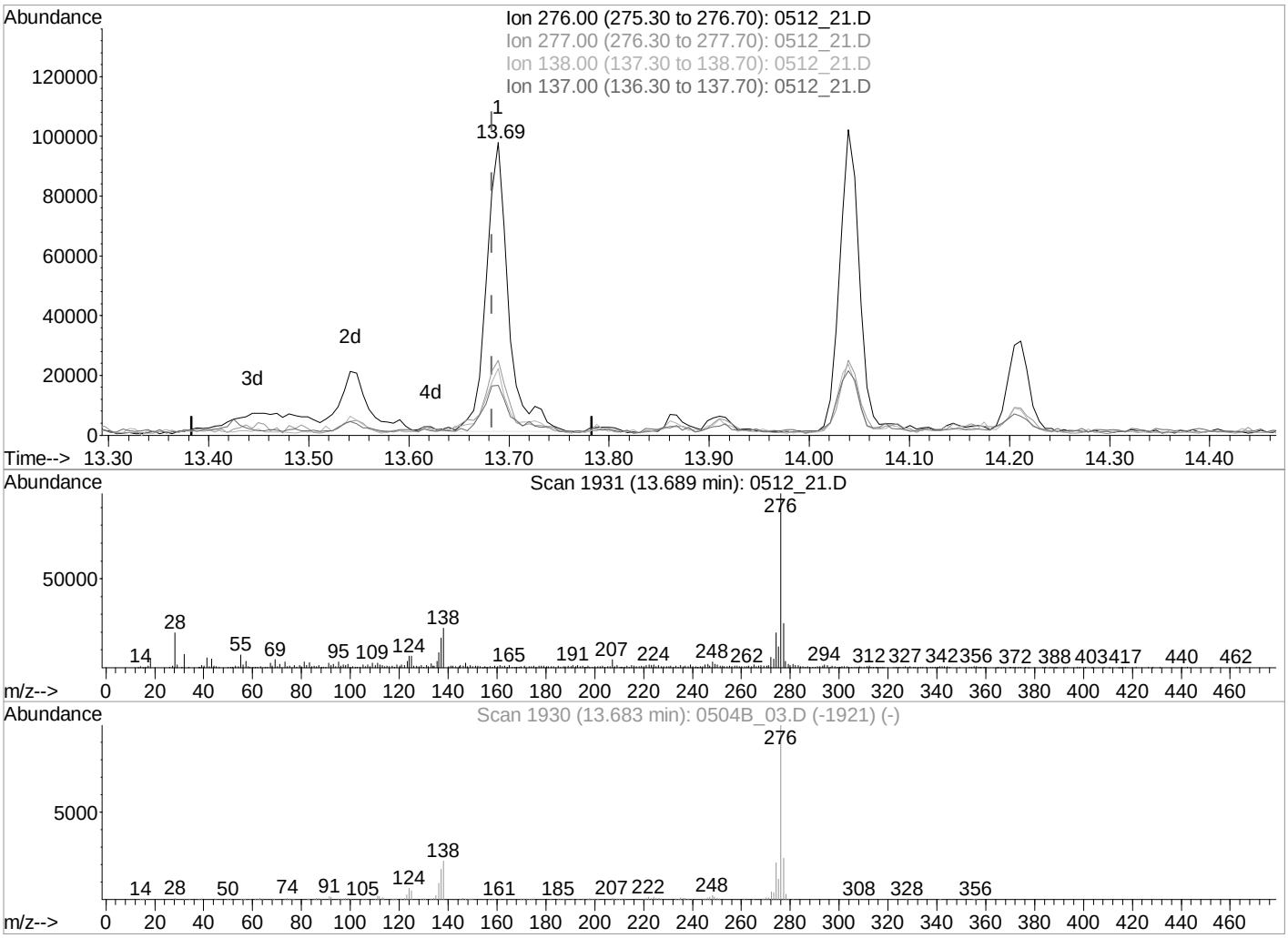
Ion	Ratio	Lower	Upper
276	100		
138	22.6	5.0	45.0
137	19.8	2.4	42.4



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 21.D Vial: 26
Acq On : 12 May 2022 11:42 am Operator: 3545
Sample : L1488161-04 1x WG1860981 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 13:59 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0512_21.D

(98) Indeno(1,2,3-cd)pyrene (MT)

13.69min (+0.006) 5909.1956352 ppb

Qvalue = 96

response 151157 Limit = 282.0000000

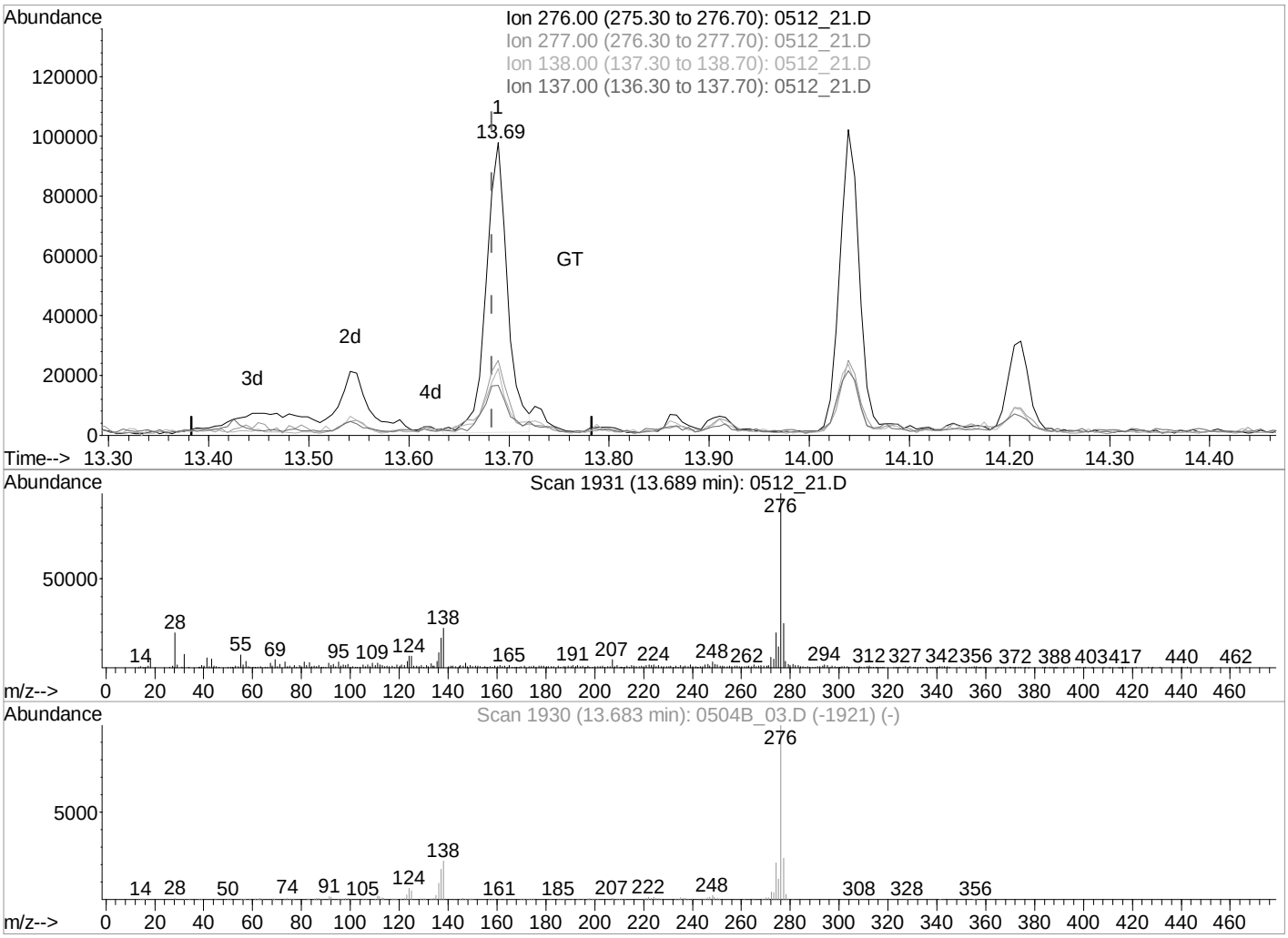
Ion	Exp%	Act%
276.00	100	100
277.00	24.10	25.03
138.00	25.30	22.25
137.00	18.00	15.91

0512_21.D S804E04BV.M Fri May 13 13:59:58 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 21.D Vial: 26
Acq On : 12 May 2022 11:42 am Operator: 3545
Sample : L1488161-04 1x WG1860981 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 14:00 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0512_21.D

(98) Indeno(1,2,3-cd)pyrene (MT)

13.69min (+0.006) 5670.3758906 ppb m

response 145048 Limit = 282.0000000

Ion	Exp%	Act%
276.00	100	100
277.00	24.10	25.53
138.00	25.30	22.74
137.00	18.00	16.94

0512_21.D S804E04BV.M Fri May 13 14:00:06 2022

GC/MS INITIAL CALIBRATION DATA

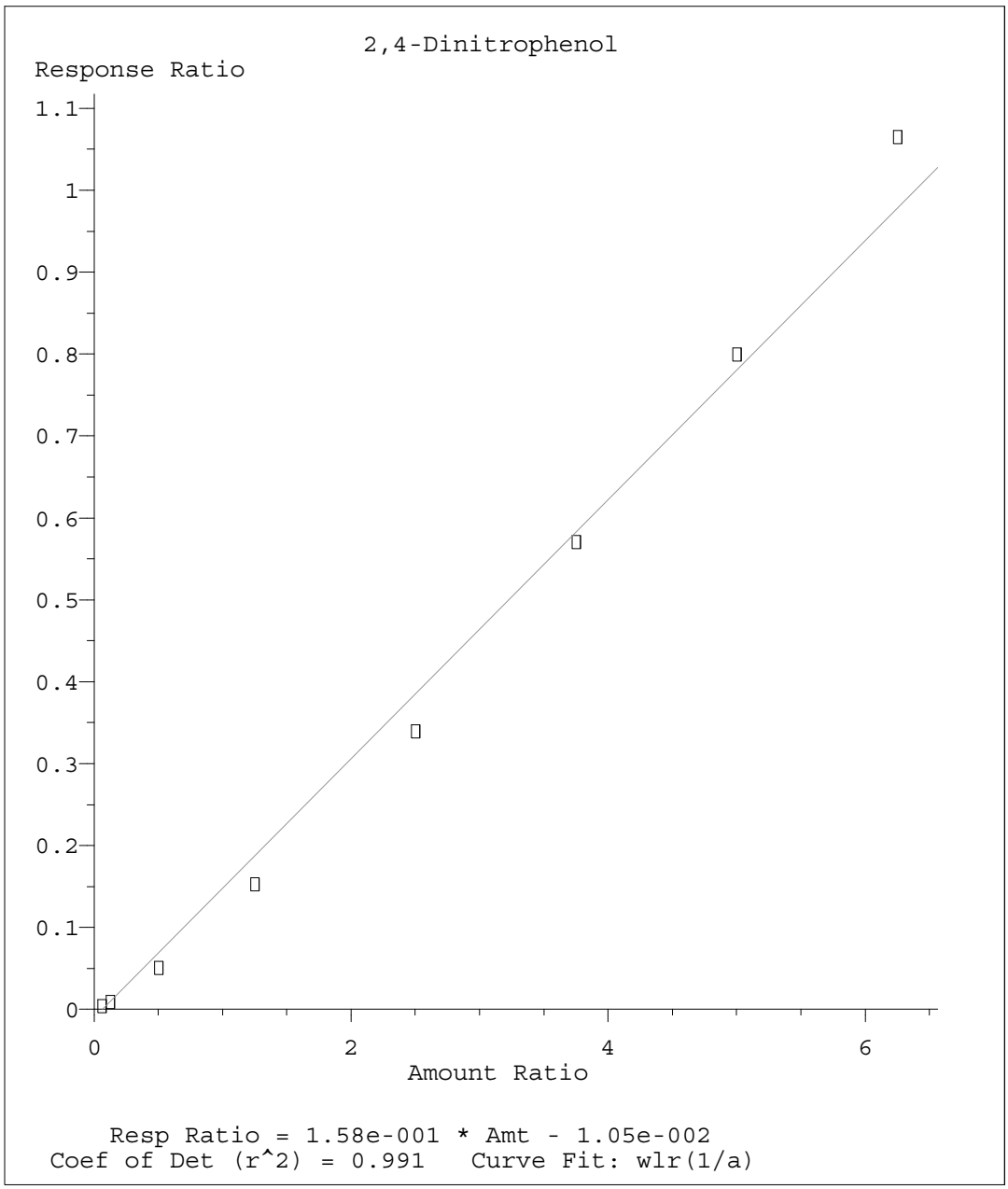
SDG: L1488161 **Analytical Method:** 8270E

Instrument ID: BNAMS4

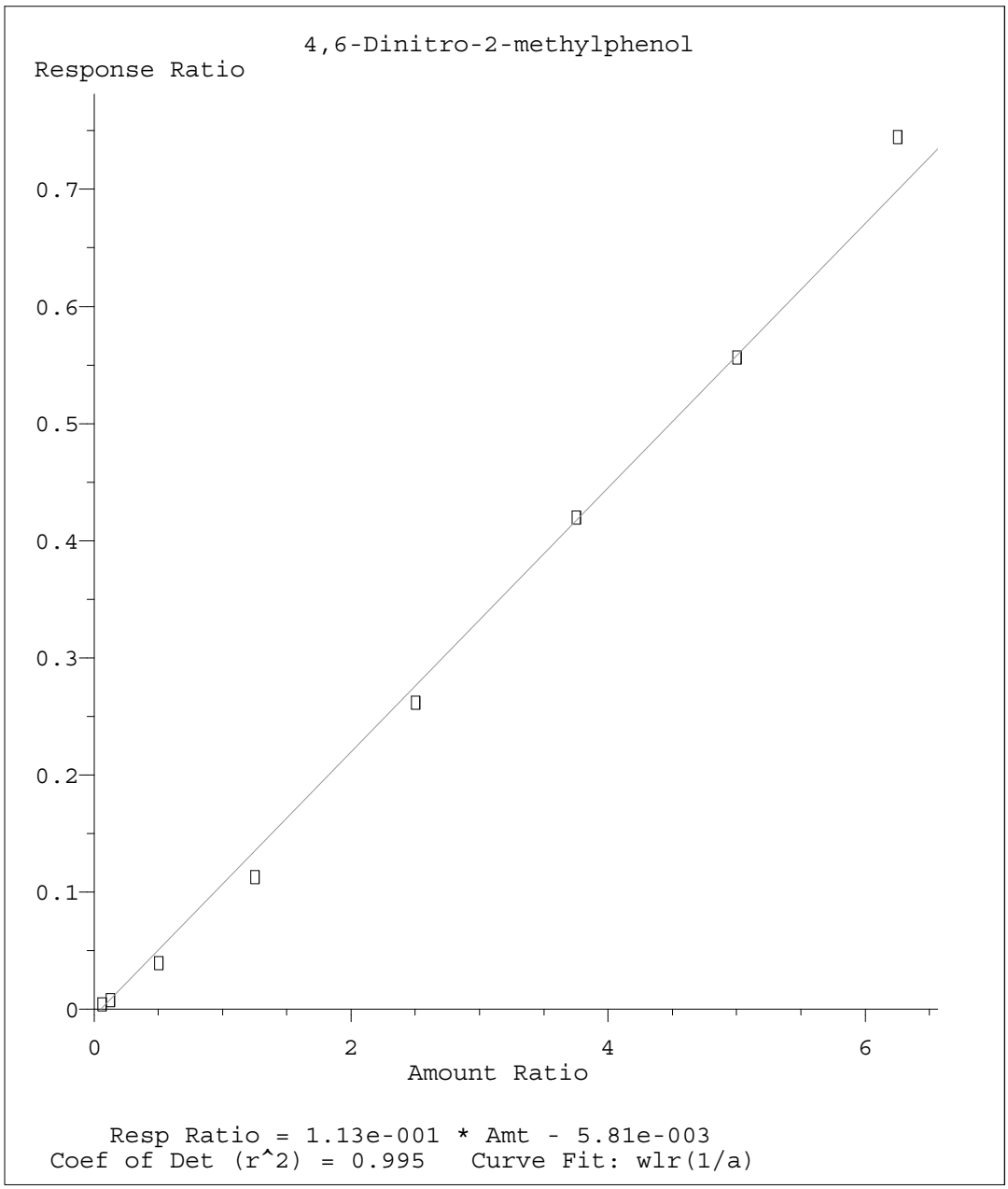
Analyte	**RRF: 500**	**RRF: 1000**	**RRF: 4000**	**RRF: 10000**	**RRF: 20000**	**RRF: 30000**	**RRF: 40000**	**RRF: 50000**	**RRF: 4K1**	**RRF: 10K1**
Analysis date/time	02/09/22 10:43	02/09/22 11:04	02/09/22 11:25	02/09/22 11:46	02/09/22 12:07	02/09/22 12:27	02/09/22 12:48	02/09/22 13:09	02/09/22 13:51	02/09/22 14:11
PHENOL	1.86	1.7610	1.6110	1.6190	1.5890	1.5540	1.5380	1.6160		
3&4-METHYL PHENOL	1.5470	1.4040	1.3310	1.3490	1.31	1.2870	1.2680	1.31		
NAPHTHALENE	1.1570	1.1090	0.9970	1.0020	0.9730	0.9690	0.9590	0.9840		
2-METHYLNAPHTHALENE	0.7650	0.7160	0.6390	0.6560	0.6250	0.6280	0.6270	0.6560		
1-METHYLNAPHTHALENE	0.7270	0.6540	0.6070	0.61	0.5920	0.59	0.5960	0.6150		
ACENAPHTHYLENE	1.9170	1.8280	1.7420	1.7820	1.7190	1.7290	1.74	1.7750		
ACENAPHTHENE	1.33	1.2470	1.1440	1.17	1.1090	1.1180	1.11	1.1350		
DIBENZOFURAN	1.8720	1.7490	1.5850	1.6110	1.5540	1.5280	1.5350	1.55		
FLUORENE	1.4190	1.3880	1.3130	1.3260	1.2610	1.2670	1.27	1.2890		
PHENANTHRENE	1.1840	1.1520	1.0180	1.0260	1.0090	1.0070	0.9990	1.0250		
ANTHRACENE	1.1850	1.1120	1.0030	1.0530	1.0410	1.0380	1.0290	1.0620		
CARBAZOLE	1.0770	1.0220	0.94	0.9840	0.9550	0.9160	0.9280	0.9550		
DI-N-BUTYL PHTHALATE	1.1590	1.0630	1.0420	1.1170	1.1170	1.1430	1.2090	1.2550		
FLUORANTHENE	1.2040	1.1390	1.0510	1.0870	1.0630	1.0850	1.1220	1.1950		
PYRENE	1.3430	1.3720	1.2060	1.2780	1.2960	1.2780	1.2720	1.2520		
BENZO(A)ANTHRACENE	1.27	1.23	1.0720	1.1390	1.1430	1.1290	1.1310	1.1030		
CHRYSENE	1.2320	1.2020	1.0740	1.1040	1.0990	1.0820	1.0840	1.0520		
BIS(2-ETHYLHEXYL)PHTHALATE	0.7150	0.6660	0.6360	0.7410	0.7620	0.7650	0.7620	0.7520		
DI-N-OCTYL PHTHALATE	1.1290	1.0730	1.0570	1.2150	1.2870	1.2960	1.3010	1.2770		
BENZO(B)FLUORANTHENE	1.3280	1.1770	1.0640	1.1090	1.1020	1.1070	1.0910	1.1410		
BENZO(K)FLUORANTHENE	1.2610	1.1670	1.0410	1.1050	1.1010	1.1030	1.0950	1.1080		
BENZO(A)PYRENE	1.0460	1.0160	0.9140	0.97	0.9830	0.9890	0.9780	1		
INDENO(1,2,3-CD)PYRENE	1.0370	1.0050	0.9320	0.9830	0.9830	0.9540	0.9270	0.9370		
DIBENZ(A,H)ANTHRACENE	1.0930	1.1170	0.99	1.0520	1.0270	1.0160	0.9840	0.9890		
BENZO(G,H,I)PERYLENE	1.15	1.0620	0.9870	1.04	1.0060	0.9740	0.93	0.9250		
2-FLUOROPHENOL	1.4680	1.4030	1.2730	1.2720	1.2630	1.2240	1.2140	1.2830		
PHENOL-D5	1.8550	1.5980	1.5240	1.5320	1.5050	1.4770	1.4580	1.5320		
NITROBENZENE-D5	0.39	0.3210	0.3390	0.3160	0.34	0.3450	0.3410	0.3230		
2-FLUOROBIPHENYL	1.5680	1.4650	1.3320	1.3440	1.2780	1.2630	1.2610	1.2850		
2,4,6-TRIBROMOPHENOL	0.0790	0.0770	0.0830	0.0910	0.0930	0.0940	0.1010	0.1070		
P-TERPHENYL-D14	1.1760	1.1190	0.9890	1.0850	1.1070	1.0910	1.1020	1.0760		
PENTACHLOROPHENOL		0.0960	0.1020	0.12	0.1250	0.1290	0.1350	0.1420		
BENZOIC ACID									0.1110	0.1390
File ID:	0209_06	0209_07	0209_08	0209_09	0209_10	0209_11	0209_12	0209_13	0209_15	0209_16

SDG: L1488161 **Analytical Method:** 8270E
Instrument ID: BNAMS4

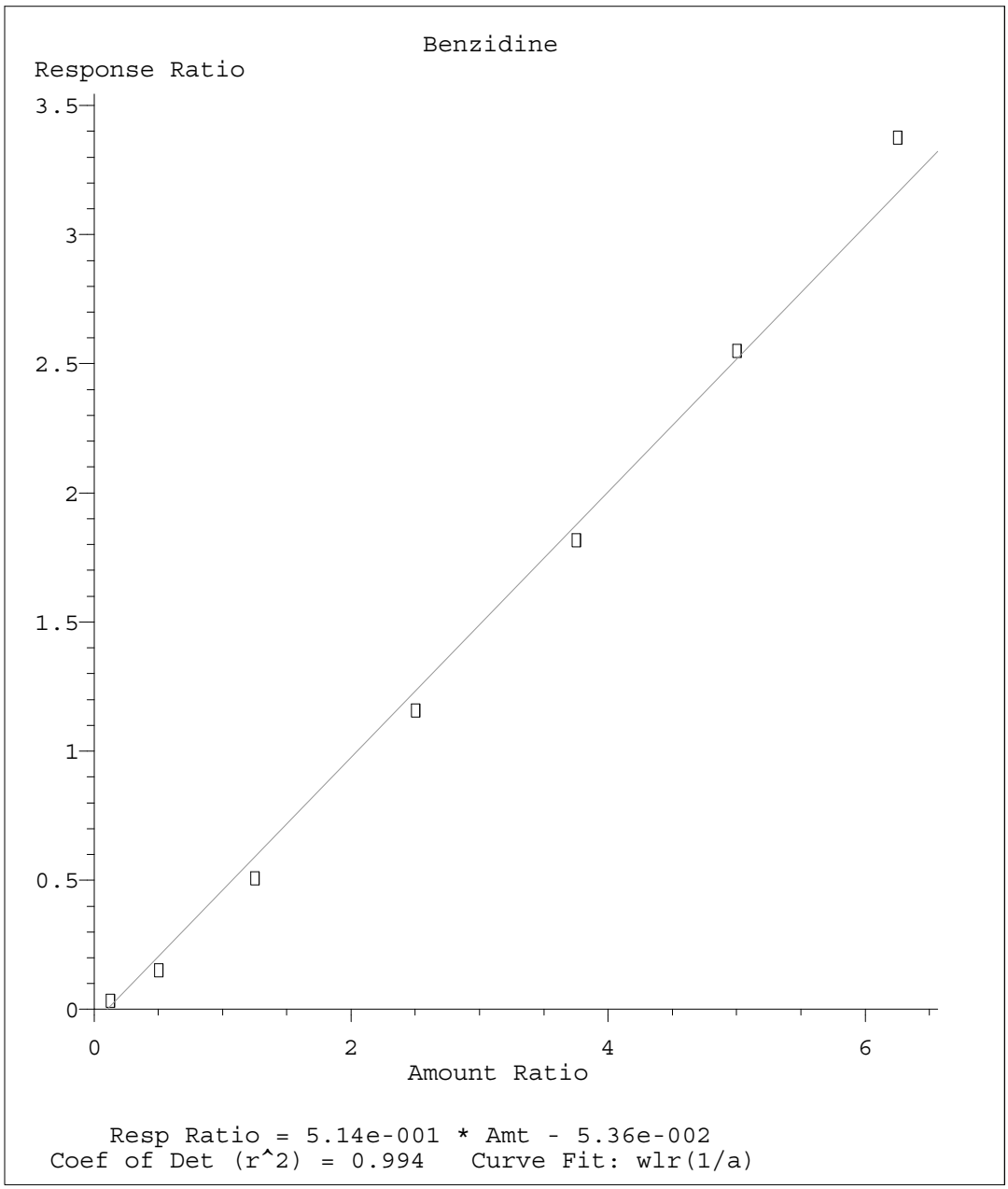
Analyte	RRF: 20K1	RRF: 30K1	RRF: 40K1	RRF: 50K1	RRF. Avg	%RSD	COD
Analysis date/time	02/09/22 14:32	02/09/22 14:53	02/09/22 15:14	02/09/22 15:35			
PHENOL					1.643512	6.71	
3&4-METHYL PHENOL					1.350649	6.63	
NAPHTHALENE					1.018747	7.18	
2-METHYLNAPHTHALENE					0.663826	7.61	
1-METHYLNAPHTHALENE					0.623837	7.43	
ACENAPHTHYLENE					1.779211	3.71	
ACENAPHTHENE					1.170435	6.73	
DIBENZOFURAN					1.623192	7.59	
FLUORENE					1.316666	4.46	
PHENANTHRENE					1.052577	6.87	
ANTHRACENE					1.065424	5.42	
CARBAZOLE					0.972084	5.54	
DI-N-BUTYL PHTHALATE					1.138017	6.21	
FLUORANTHENE					1.1182	5.15	
PYRENE					1.28723	3.99	
BENZO(A)ANTHRACENE					1.151953	5.68	
CHRYSENE					1.116357	5.8	
BIS(2-ETHYLHEXYL)PHTHALATE					0.724997	6.75	
DI-N-OCTYL PHTHALATE					1.204403	8.59	
BENZO(B)FLUORANTHENE					1.139642	7.29	
BENZO(K)FLUORANTHENE					1.122546	5.83	
BENZO(A)PYRENE					0.987052	3.86	
INDENO(1,2,3-CD)PYRENE					0.969769	4.03	
DIBENZ(A,H)ANTHRACENE					1.033545	4.86	
BENZO(G,H,I)PERYLENE					1.009366	7.35	
2-FLUOROPHENOL					1.299982	6.82	
PHENOL-D5					1.560263	8.09	
NITROBENZENE-D5					0.339442	6.83	
2-FLUOROBIPHENYL					1.349543	8.23	
2,4,6-TRIBROMOPHENOL					0.090561	11.74	
P-TERPHENYL-D14					1.093292	4.78	
PENTACHLOROPHENOL					0.121187	13.94	
BENZOIC ACID	0.1430	0.1360	0.1310	0.1260	0.13089	8.56	
File ID:	0209_17	0209_18	0209_19	0209_20			



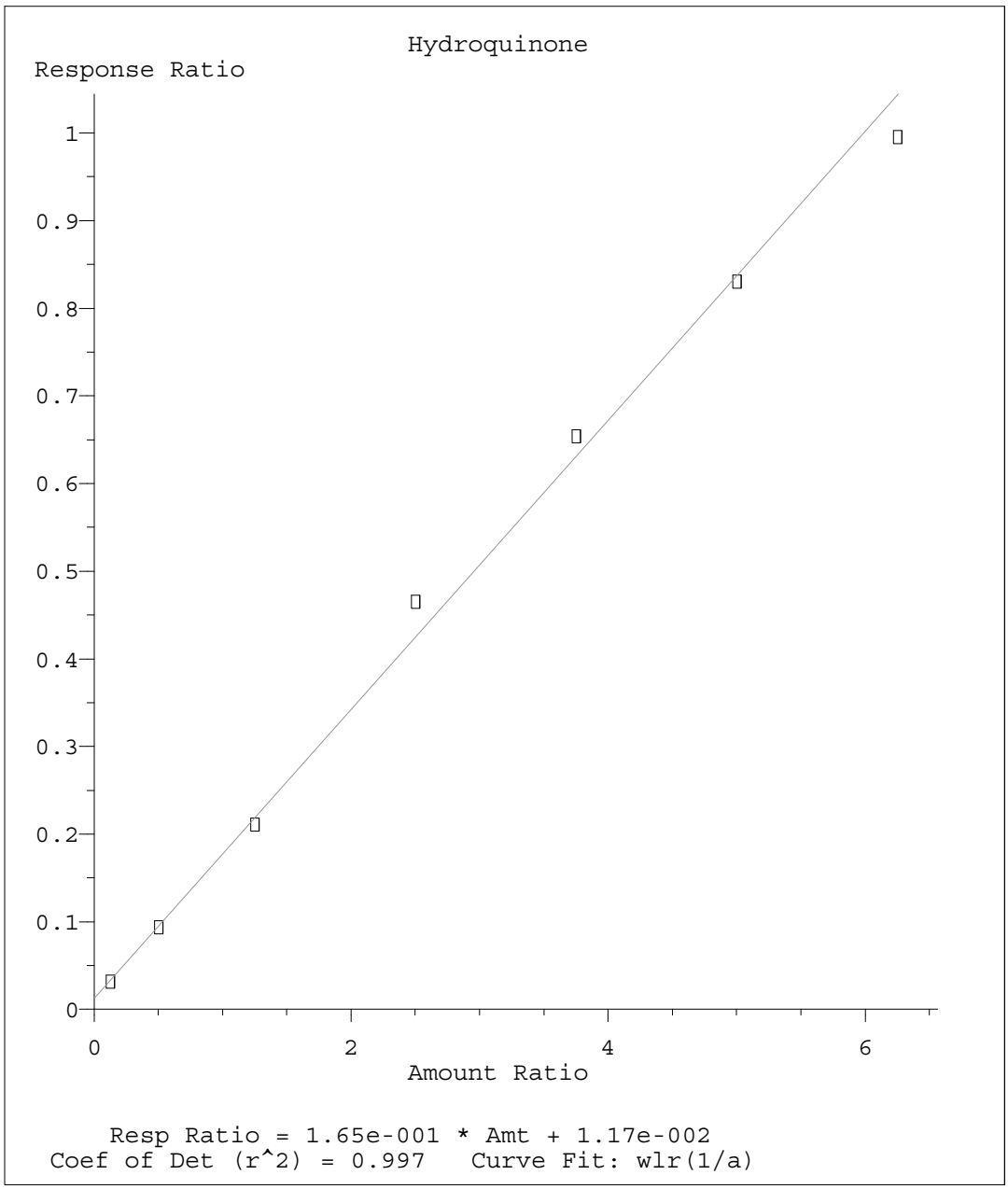
Method Name: C:\MSDCHEM\1\METHODS\S804B09V.M



Method Name: C:\MSDCHEM\1\METHODS\S804B09V.M



Method Name: C:\MSDCHEM\1\METHODS\S804B09V.M



Method Name: C:\MSDCHEM\1\METHODS\S804B09V.M

Response Factor Report BNAMS4

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 17:49:17 2022
Response via : Initial Calibration

Calibration Files
500 =0209 06.D 1K =0209 07.D 4K =0209 08.D
10K =0209_09.D 20K =0209_10.D 30K =0209_11.D

		Compound	500	1K	4K	10K	20K	30K	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
2)	TM	Pyridine	1.278	1.248	1.226	1.224	1.215	1.222	1.238	2.11
3)	MT	N-Nitrosodimeth	0.791	0.721	0.658	0.658	0.631	0.611	0.664	9.34
4)	S	2-Fluorophenol	1.468	1.403	1.273	1.272	1.263	1.224	1.300	6.82
5)	MT	Aniline	0.809	0.804	0.729	0.745	0.717	0.697	0.740	6.02
6)	MT	bis(2-Chloroeth	1.328	1.237	1.062	1.037	1.077	1.116	1.150	8.78
7)	S	Phenol-d5	1.855	1.598	1.524	1.532	1.505	1.477	1.560	8.09
8)	MC	Phenol	1.860	1.761	1.611	1.619	1.589	1.554	1.644	6.71
9)		Benzaldehyde							0.356	4.92
10)	MT	2-Chlorophenol	1.477	1.400	1.305	1.295	1.266	1.249	1.316	6.22
11)	T	n-Decane	0.972	0.830	0.789	0.770	0.731	0.709	0.775	11.94
12)	MT	1,3-Dichloroben	1.717	1.603	1.455	1.474	1.421	1.398	1.488	7.66
13)	MTC	1,4-Dichloroben	1.747	1.661	1.518	1.503	1.485	1.442	1.531	7.38
14)	MT	Benzyl Alcohol	1.106	1.048	0.989	1.007	1.002	0.992	1.018	4.06
15)	MT	1,2-Dichloroben	1.627	1.513	1.396	1.385	1.360	1.324	1.408	7.72
16)	MT	bis(2-Chloroiso	0.614	0.531	0.483	0.469	0.447	0.442	0.482	13.00
17)	MT	2,2-oxybis(1-ch	0.614	0.531	0.483	0.469	0.447	0.442	0.482	13.00
18)	MT	2-Methylphenol	1.336	1.276	1.157	1.194	1.153	1.132	1.189	6.54
19)	MT	Hexachloroethan	0.600	0.593	0.549	0.559	0.545	0.530	0.556	4.83
20)	MP	N-Nitrosodi-n-p	0.979	0.933	0.849	0.875	0.841	0.818	0.869	6.73
21)	MT	3&4-Methyl phen	1.547	1.404	1.331	1.349	1.310	1.287	1.351	6.63
22)	MT	Acetophenone							1.654	2.40
23)	I	Naphthalene-d8	----------ISTD----------							
24)	S	Nitrobenzene-d5	0.390	0.321	0.339	0.316	0.340	0.345	0.339	6.83
25)	MT	Nitrobenzene	0.370	0.342	0.326	0.333	0.320	0.320	0.332	5.25
26)	MT	Isophorone	0.663	0.613	0.559	0.595	0.580	0.586	0.595	5.24
27)	MCT	2-Nitrophenol	0.172	0.163	0.155	0.163	0.165	0.169	0.167	4.46
28)	MT	2,4-Dimethylphe	0.342	0.334	0.302	0.302	0.297	0.303	0.311	5.62
29)	MT	bis(2-Chloretho	0.449	0.419	0.366	0.371	0.360	0.359	0.381	9.03
30)	MCT	2,4-Dichlorophe	0.284	0.271	0.247	0.260	0.255	0.257	0.262	4.42
31)	MT	Benzoic Acid							0.131	8.56
32)	MT	1,2,4-Trichloro	0.335	0.317	0.288	0.289	0.278	0.274	0.293	7.40
33)	MT	alpha-terpineol							0.251	14.78
34)	MT	Naphthalene	1.157	1.109	0.997	1.002	0.973	0.969	1.019	7.18
35)	MT	4-Chloroaniline	0.127	0.128	0.116	0.119	0.113	0.115	0.118	5.02
36)	MCT	Hexachloro-1,3-	0.188	0.166	0.153	0.158	0.152	0.151	0.160	7.77
37)		Hydroquinone							0.185	16.97
38)	MT	Quinoline							0.533	14.37
39)	MT	Caprolactam							0.055	10.67
40)	MCT	4-Chloro-3-meth	0.283	0.267	0.250	0.262	0.259	0.262	0.264	3.75
41)	MT	2-Methylnaphtha	0.765	0.716	0.639	0.656	0.625	0.628	0.664	7.61
42)	MT	1-Methylnaphtha	0.727	0.654	0.607	0.610	0.592	0.590	0.624	7.43
43)	MT	1,2,4,5-Tetrach							0.214	14.86
44)		Diphenyl Ether							0.342	14.08
45)		Diphenyl Oxide							0.342	14.08
46)	I	Acenaphthene-d10	----------ISTD----------							
47)	MPT	Hexachlorocyclo	0.392	0.376	0.366	0.371	0.367	0.370	0.375	2.29
48)	MCT	2,4,6-Trichloro	0.395	0.343	0.318	0.333	0.327	0.352	0.347	6.74
49)	MT	2,4,5-Trichloro	0.362	0.375	0.352	0.375	0.364	0.343	0.361	3.07
50)	S	2-Fluorobipheny	1.568	1.465	1.332	1.344	1.278	1.263	1.350	8.23
51)	MT	Biphenyl	1.711	1.622	1.487	1.490	1.411	1.401	1.499	7.42
52)	MT	2-Chloronaphtha	1.276	1.255	1.149	1.153	1.091	1.072	1.144	7.16
53)	MT	2-Nitroaniline	0.334	0.327	0.326	0.364	0.362	0.370	0.355	6.12
54)	MT	Acenaphthylene	1.917	1.828	1.742	1.782	1.719	1.729	1.779	3.71

(#) = Out of Range ### Number of calibration levels exceeded format ###

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 17:49:17 2022
Response via : Initial Calibration

Calibration Files
500 =0209 06.D 1K =0209 07.D 4K =0209 08.D
10K =0209_09.D 20K =0209_10.D 30K =0209_11.D

		Compound	500	1K	4K	10K	20K	30K	Avg	%RSD
55)	MT	Dimethyl phthal	1.249	1.203	1.131	1.200	1.165	1.172	1.185	3.02
56)	MT	2,6-Dinitrotolu	0.255	0.251	0.256	0.286	0.283	0.287	0.275	6.29
57)	MT	3-Nitroaniline	0.267	0.255	0.278	0.308	0.306	0.315	0.296	8.64
58)	MCT	Acenaphthene	1.330	1.247	1.144	1.170	1.109	1.118	1.170	6.73
59)	MPT	2,4-Dinitrophen	0.062	0.072	0.100	0.122	0.136	0.152	0.122	33.30
60)	MT	Dibenzofuran	1.872	1.749	1.585	1.611	1.554	1.528	1.623	7.59
61)	MT	2,4-Dinitrotolu	0.292	0.296	0.313	0.350	0.366	0.367	0.344	11.15
62)	T	2,3,4,6-Tetrach							0.228	3.11
63)	MPT	4-Nitrophenol	0.235	0.200	0.222	0.250	0.253	0.263	0.244	9.73
64)	MT	Fluorene	1.419	1.388	1.313	1.326	1.261	1.267	1.317	4.46
65)	MT	4-Chlorophenyl-	0.726	0.679	0.607	0.624	0.592	0.580	0.624	8.28
66)	MT	Diethyl phthala	1.293	1.255	1.186	1.217	1.177	1.194	1.214	3.32
67)	MT	4-Nitroaniline	0.274	0.262	0.287	0.298	0.303	0.298	0.277	8.67
68)	MT	Azobenzene	1.317	1.240	1.192	1.245	1.172	1.163	1.211	4.41
69)	MT	Atrazine							0.327	2.53
70)	I	Phenanthrene-d10	----------ISTD----------							
71)	MT	4,6-Dinitro-2-m	0.062	0.063	0.079	0.090	0.105	0.112	0.093	24.46
72)	MCT	N-Nitrosodiphen	0.639	0.604	0.572	0.592	0.585	0.597	0.608	4.74
73)	S	2,4,6-Tribromop	0.079	0.077	0.083	0.091	0.093	0.094	0.091	11.74
74)	MT	4-Bromophenyl-p	0.199	0.199	0.191	0.194	0.192	0.193	0.197	3.66
75)	MT	Hexachlorobenze	0.243	0.233	0.202	0.209	0.207	0.212	0.220	6.70
76)	T	n-octadecane	0.153	0.127	0.114	0.120	0.113	0.113	0.122	10.82
77)	MCT	Pentachlorophen		0.096	0.102	0.120	0.125	0.129	0.121	13.94
78)	MT	Phenanthrene	1.184	1.152	1.018	1.026	1.009	1.007	1.053	6.87
79)	MT	Anthracene	1.185	1.112	1.003	1.053	1.041	1.038	1.065	5.42
80)	MT	Carbazole	1.077	1.022	0.940	0.984	0.955	0.916	0.972	5.54
81)	MT	Di-n-butyl phth	1.159	1.063	1.042	1.117	1.117	1.143	1.138	6.21
82)	MT	2-nitrodiphenyl							0.202	14.20
83)	MCT	Fluoranthene	1.204	1.139	1.051	1.087	1.063	1.085	1.118	5.15
84)	I	Chrysene-d12	----------ISTD----------							
85)	MT	Benzidine							0.423	25.01
86)	MT	Pyrene	1.343	1.372	1.206	1.278	1.296	1.278	1.287	3.99
87)	S	p-Terphenyl-d14	1.176	1.119	0.989	1.085	1.107	1.091	1.093	4.78
88)	MT	Benzylbutyl pht	0.532	0.484	0.472	0.528	0.551	0.549	0.526	5.91
89)	MT	3,3-Dichloroben							0.412	4.48
90)	MT	Benzo(a)anthrac	1.270	1.230	1.072	1.139	1.143	1.129	1.152	5.68
91)	MT	Chrysene	1.232	1.202	1.074	1.104	1.099	1.082	1.116	5.80
92)	MT	bis(2-Ethylhexy	0.715	0.666	0.636	0.741	0.762	0.765	0.725	6.75
93)	MC	Di-n-octyl phth	1.129	1.073	1.057	1.215	1.287	1.296	1.204	8.59
94)	I	Perylene-d12	----------ISTD----------							
95)	MT	Benzo(b)fluoran	1.328	1.177	1.064	1.109	1.102	1.107	1.140	7.29
96)	MT	Benzo(k)fluoran	1.261	1.167	1.041	1.105	1.101	1.103	1.123	5.83
97)	MC	Benzo(a)pyrene	1.046	1.016	0.914	0.970	0.983	0.989	0.987	3.86
98)	MT	Indeno(1,2,3-cd	1.037	1.005	0.932	0.983	0.983	0.954	0.970	4.03
99)	MT	Dibenz(a,h)anth	1.093	1.117	0.990	1.052	1.027	1.016	1.034	4.86
100)	MT	Benzo(g,h,i)per	1.150	1.062	0.987	1.040	1.006	0.974	1.009	7.35

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 06.D Vial: 3
Acq On : 9 Feb 2022 10:43 am Operator: 917
Sample : STD SVMS 500 PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:40 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:18:21 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	73198m	8000.00 ppb	0.00
23) Naphthalene-d8	4.26	136	291221	8000.00 ppb	0.00
46) Acenaphthene-d10	5.44	164	151021	8000.00 ppb	0.00
70) Phenanthrene-d10	6.57	188	282418	8000.00 ppb	0.00
84) Chrysene-d12	9.54	240	254847	8000.00 ppb	0.00
94) Perylene-d12	12.39	264	266366	8000.00 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.85	112	6716	564.7582426 ppb	0.00
Spiked Amount 666.000			Recovery = 84.80%		
7) Phenol-d5	3.28	99	8487	594.6294949 ppb	0.00
Spiked Amount 666.000			Recovery = 89.28%		
24) Nitrobenzene-d5	3.82	82	7103	566.4718290 ppb	0.00
Spiked Amount 333.000			Recovery = 170.11%		
50) 2-Fluorobiphenyl	4.95	172	14804	581.0921036 ppb	0.00
Spiked Amount 333.000			Recovery = 174.50%		
73) 2,4,6-Tribromophenol	6.02	330	1390	434.7822532 ppb	0.00
Spiked Amount 666.000			Recovery = 65.28%		
87) p-Terphenyl-d14	8.04	244	18732	537.8468042 ppb	0.00
Spiked Amount 333.000			Recovery = 161.52%		
Target Compounds					Qvalue
2) Pyridine	2.31	79	5846	516.2841543 ppb #	85
3) N-Nitrosodimethylamine	2.29	42	3617	595.1420623 ppb	89
5) Aniline	3.34	66	3700	546.4526374 ppb	87
6) bis(2-Chloroethyl)ether	3.36	93	6074m	280.2271058 ppb	
8) Phenol	3.29	94	8510	566.0388074 ppb	95
10) 2-Chlorophenol	3.41	128	6755	561.1658820 ppb	97
11) n-Decane	3.40	41	4449	627.4781303 ppb #	89
12) 1,3-Dichlorobenzene	3.49	146	7856	577.2009286 ppb	95
13) 1,4-Dichlorobenzene	3.53	146	7993	570.5643647 ppb	92
14) Benzyl Alcohol	3.58	79	5058	543.2830139 ppb	94
15) 1,2-Dichlorobenzene	3.61	146	7444	578.0573187 ppb	94
16) bis(2-Chloroisopropyl)ethe	3.65	121	2809	637.4442809 ppb #	55
17) 2,2-oxybis(1-chloropropane	3.65	121	2809	637.4442809 ppb #	55
18) 2-Methylphenol	3.62	108	6113	561.9967038 ppb	97
19) Hexachloroethane	3.80	117	2744	539.6006744 ppb	98
20) N-Nitrosodi-n-propylamine	3.72	70	4481	563.7205314 ppb	99
21) 3&4-Methyl phenol	3.70	107	7078	572.8724821 ppb	95
25) Nitrobenzene	3.84	77	6737	557.6116506 ppb	91
26) Isophorone	3.96	82	12066	556.7216060 ppb	99
27) 2-Nitrophenol	4.02	139	3136	514.9782790 ppb	93
28) 2,4-Dimethylphenol	4.01	107	6231	550.9528074 ppb	95
29) bis(2-Chlorethoxy)methane	4.08	93	8179	590.2143618 ppb	94
30) 2,4-Dichlorophenol	4.15	162	5177	543.3798696 ppb	95
32) 1,2,4-Trichlorobenzene	4.22	180	6095	571.5118181 ppb	98
34) Naphthalene	4.27	128	21058	567.8297386 ppb	99
35) 4-Chloroaniline	4.29	65	2308	535.6261108 ppb	97
36) Hexachloro-1,3-butadiene	4.33	225	3425	588.6986796 ppb #	84
40) 4-Chloro-3-methylphenol	4.57	107	5149	536.1373266 ppb	88
41) 2-Methylnaphthalene	4.71	142	13922	576.1219160 ppb	99
42) 1-Methylnaphthalene	4.78	142	13232	582.6684229 ppb	99
47) Hexachlorocyclopentadiene	4.81	237	3703	523.3554859 ppb	94
48) 2,4,6-Trichlorophenol	4.89	196	3726	568.8364160 ppb	87
49) 2,4,5-Trichlorophenol	4.91	196	3416	501.1076239 ppb	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 06.D Vial: 3
Acq On : 9 Feb 2022 10:43 am Operator: 917
Sample : STD SVMS 500 PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:40 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:18:21 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

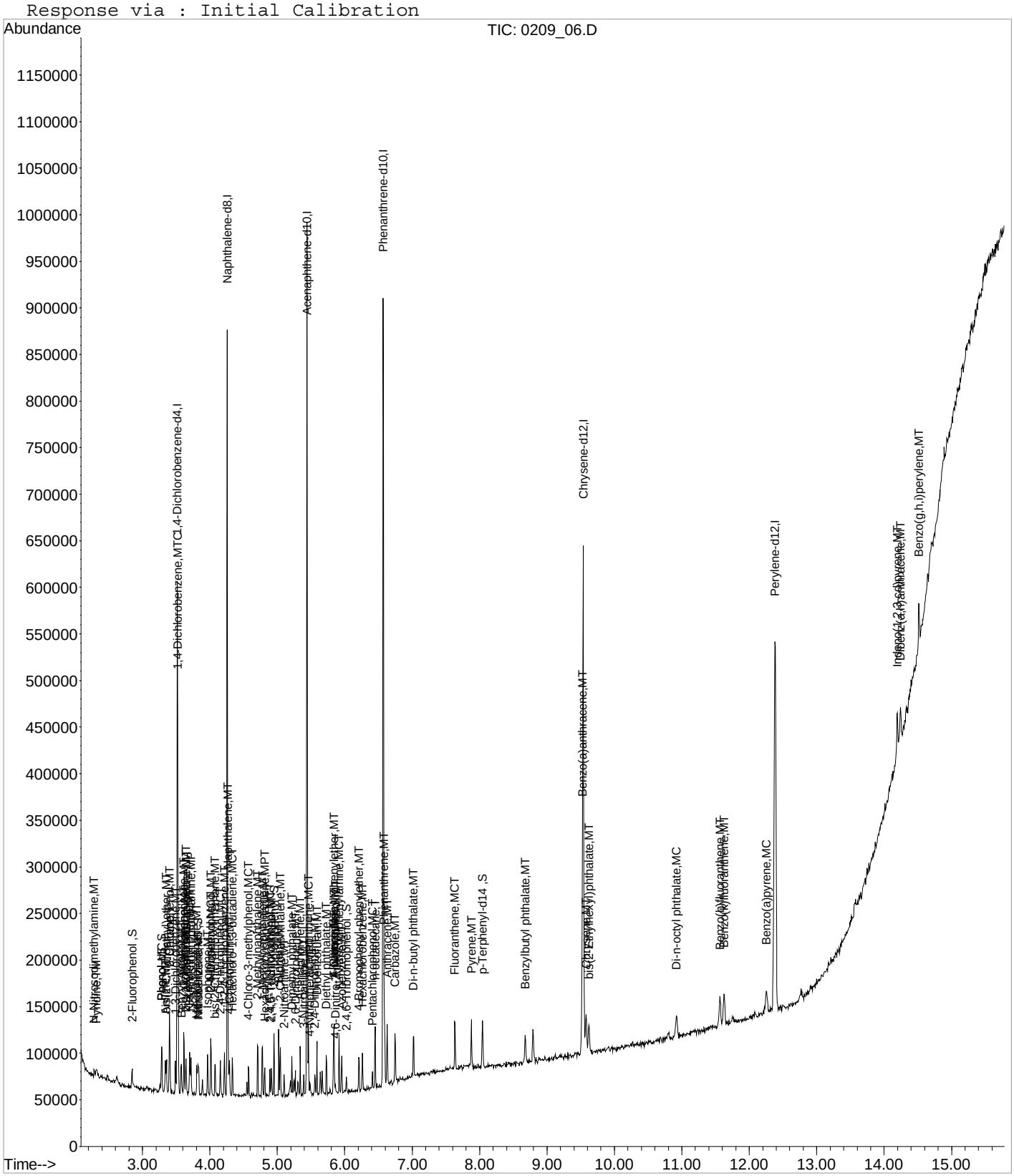
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	Biphenyl	5.02	154	16154	571.0219592	ppb		98
52)	2-Chloronaphthalene	5.05	162	12048	558.0401136	ppb		95
53)	2-Nitroaniline	5.10	138	3154	471.2803774	ppb	#	93
54)	Acenaphthylene	5.34	152	18097	538.8052071	ppb		98
55)	Dimethyl phthalate	5.22	163	11792	527.1899145	ppb		93
56)	2,6-Dinitrotoluene	5.27	165	2406	463.9446622	ppb		92
57)	3-Nitroaniline	5.39	138	2518	450.9660011	ppb		89
58)	Acenaphthene	5.46	153	12554	568.1820999	ppb		96
60)	Dibenzofuran	5.59	168	17674	576.7899184	ppb	#	97
61)	2,4-Dinitrotoluene	5.56	165	2753	423.9069814	ppb	#	80
63)	4-Nitrophenol	5.49	139	2219	481.1339126	ppb		93
64)	Fluorene	5.84	166	13394	538.8741946	ppb		99
65)	4-Chlorophenyl-phenylether	5.83	204	6853	581.3973883	ppb		96
66)	Diethyl phthalate	5.73	149	12208	532.7351724	ppb		97
67)	4-Nitroaniline	5.84	138	2583	493.9183878	ppb		98
68)	Azobenzene	5.95	77	12432	543.8645129	ppb		96
71)	4,6-Dinitro-2-methylphenol	5.86	198	1098	335.9892172	ppb		80
72)	N-Nitrosodiphenylamine	5.92	169	11278	525.5181216	ppb		95
74)	4-Bromophenyl-phenylether	6.21	248	3507	503.5169622	ppb		90
75)	Hexachlorobenzene	6.26	284	4283	552.6506620	ppb		97
76)	n-octadecane	6.45	55	2700	624.8296052	ppb	#	88
77)	Pentachlorophenol	6.41	266	1641	395.0735832	ppb		87
78)	Phenanthrene	6.59	178	20891	562.2158818	ppb		93
79)	Anthracene	6.63	178	20925	556.3404017	ppb		99
80)	Carbazole	6.75	167	19009	553.9274983	ppb		99
81)	Di-n-butyl phthalate	7.02	149	20464	509.3768613	ppb		99
83)	Fluoranthene	7.64	202	21245	538.1889960	ppb		98
86)	Pyrene	7.88	202	21399	521.8526444	ppb		98
88)	Benzylbutyl phthalate	8.68	149	8466	504.9149051	ppb		93
90)	Benzo(a)anthracene	9.52	228	20222	551.0613246	ppb		94
91)	Chrysene	9.58	228	19627	551.9009123	ppb		97
92)	bis(2-Ethylhexyl)phthalate	9.62	149	11394	493.3450222	ppb		98
93)	Di-n-octyl phthalate	10.92	149	17985	468.7583125	ppb		99
95)	Benzo(b)fluoranthene	11.57	252	22101	582.4447660	ppb		95
96)	Benzo(k)fluoranthene	11.62	252	20993	561.6702641	ppb		98
97)	Benzo(a)pyrene	12.25	252	17410	529.7489985	ppb		97
98)	Indeno(1,2,3-cd)pyrene	14.20	276	17264	534.6681369	ppb		98
99)	Dibenz(a,h)anthracene	14.24	278	18203	528.7141684	ppb		95
100)	Benzo(g,h,i)perylene	14.52	276	19143	569.6031683	ppb		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 06.D Vial: 3
Acq On : 9 Feb 2022 10:43 am Operator: 917
Sample : STD SVMS 500 PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:40 2022 Quant Results File: S804B09V.RES

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:18:21 2022
Response via : Initial Calibration

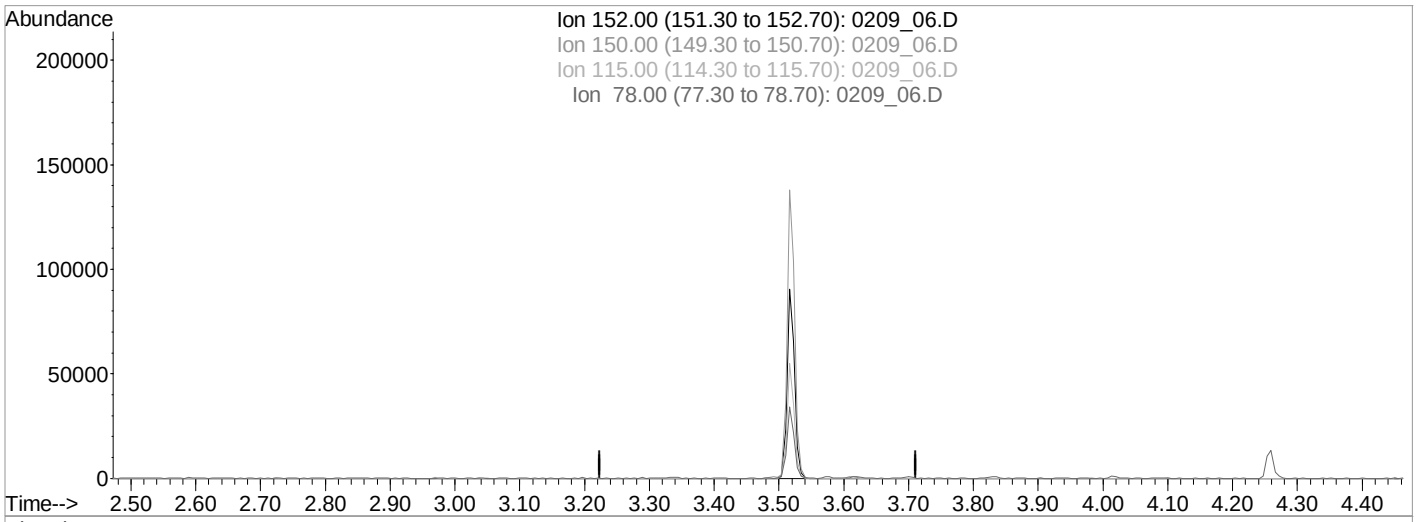


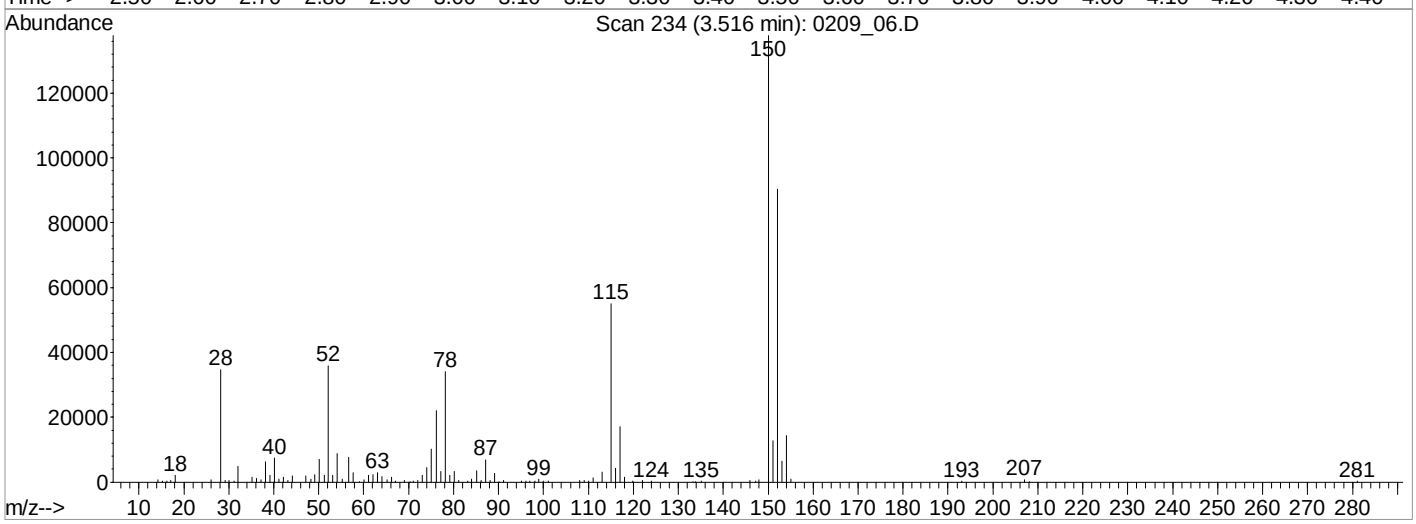
0209_06.D S804B09V.M Mon Feb 14 15:44:29 2022 Page 3

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 06.D Vial: 3
Acq On : 9 Feb 2022 10:43 am Operator: 917
Sample : STD SVMS 500 PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:37 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:18:21 2022
Response via : Multiple Level Calibration





TIC: 0209_06.D

(1) 1,4-Dichlorobenzene-d4 (I)

3.52min (-3.516) 0.0000000 ppb d

response 0

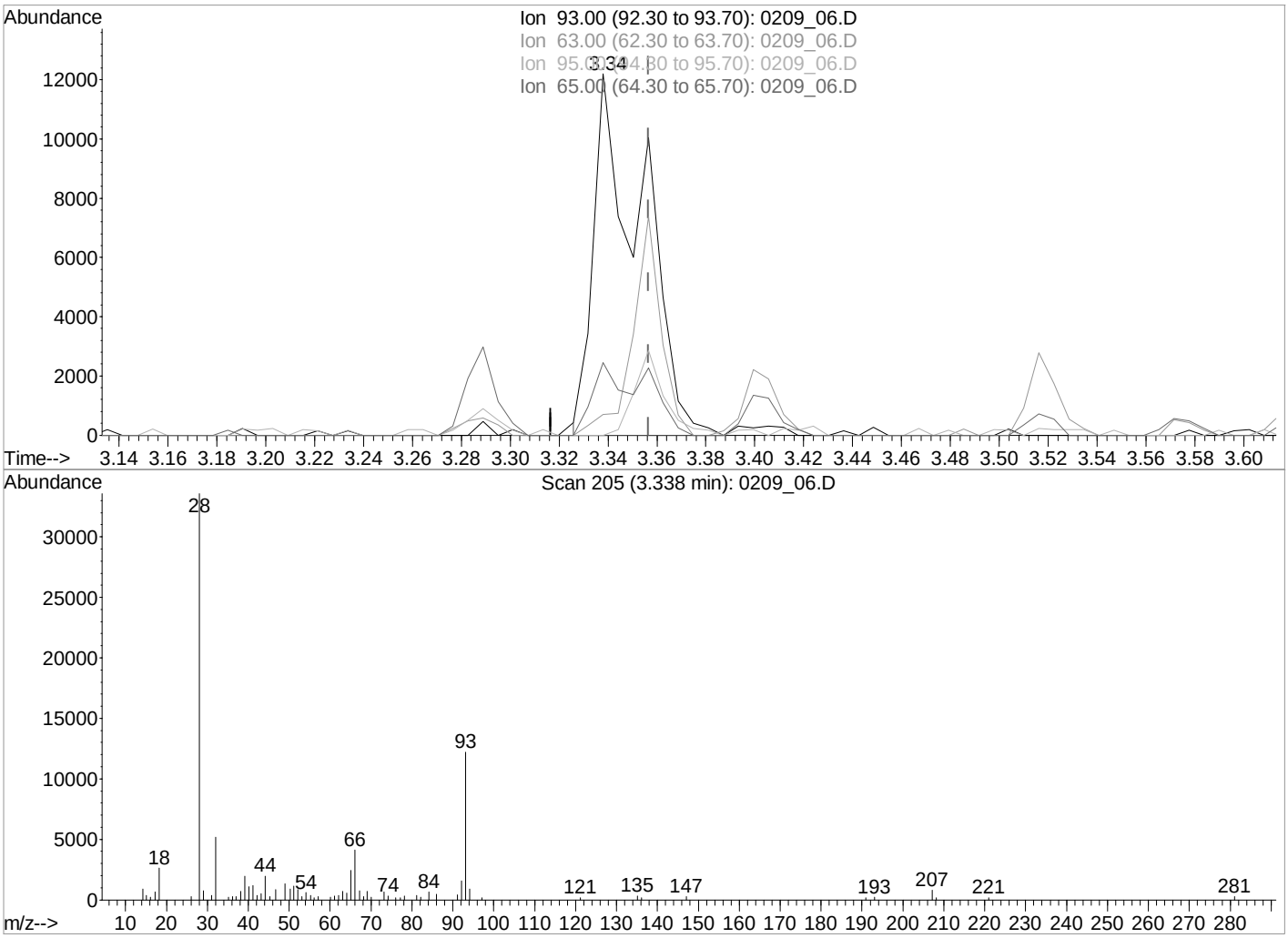
Ion	Exp%	Act%
152.00	100	0.00
150.00	155.20	0.00
115.00	59.30	0.00
78.00	35.00	0.00

0209_06.D S804B09V.M Mon Feb 14 15:38:07 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 06.D Vial: 3
Acq On : 9 Feb 2022 10:43 am Operator: 917
Sample : STD SVMS 500 PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:38 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:18:21 2022
Response via : Multiple Level Calibration



TIC: 0209_06.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.018) 773.8770947 ppb

response 16774

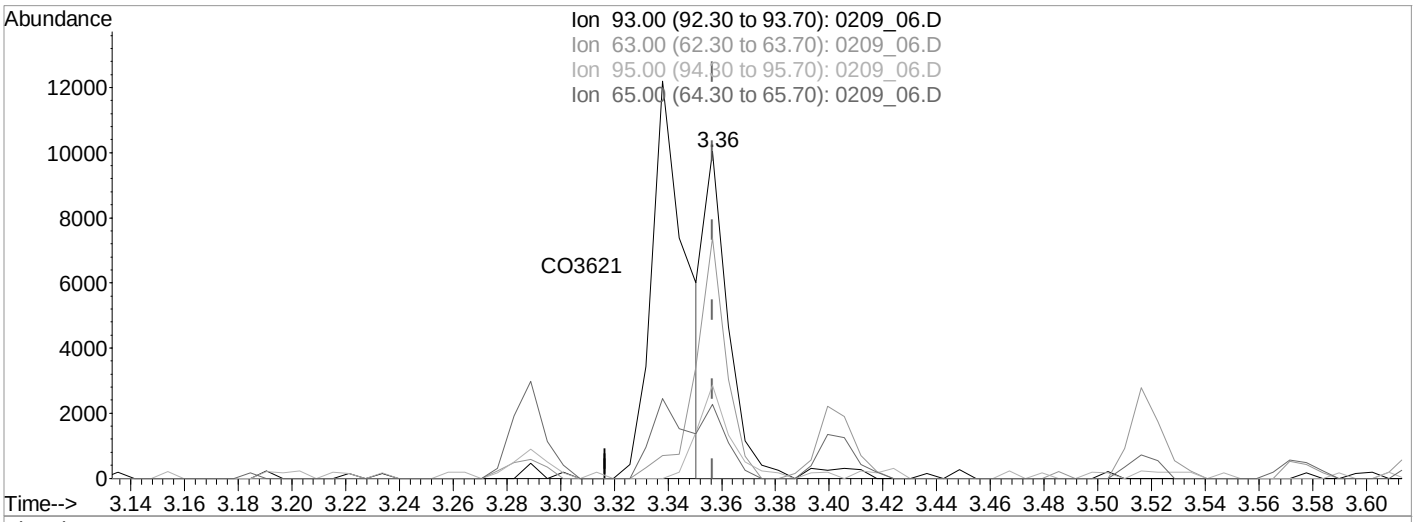
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.71#
95.00	30.20	0.00#
65.00	24.00	20.09

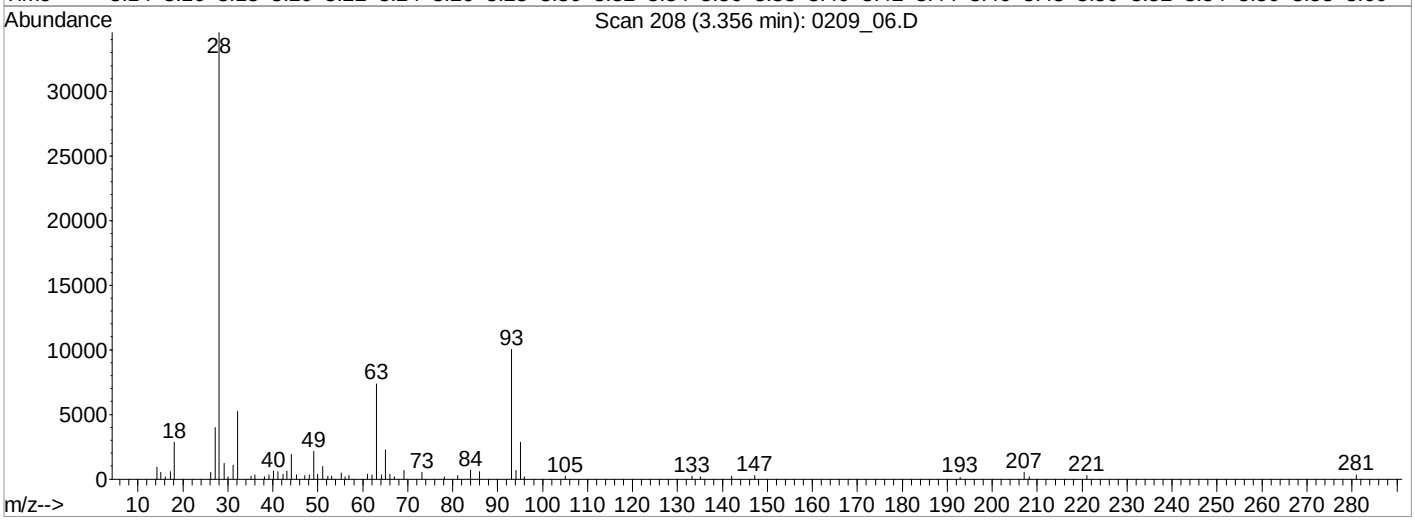
0209_06.D S804B09V.M Mon Feb 14 15:39:52 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 06.D Vial: 3
Acq On : 9 Feb 2022 10:43 am Operator: 917
Sample : STD SVMS 500 PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:40 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:18:21 2022
Response via : Multiple Level Calibration





TIC: 0209_06.D

(6) bis(2-Chloroethyl)ether (MT)

3.36min (0.000) 280.2271058 ppb m

response 6074

Ion	Exp%	Act%
93.00	100	100
63.00	76.20	73.44
95.00	30.20	28.46
65.00	24.00	22.56

0209_06.D S804B09V.M Mon Feb 14 15:40:10 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 07.D Vial: 4
Acq On : 9 Feb 2022 11:04 am Operator: 917
Sample : STD SVMS 1K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:47 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:19:47 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	76270	8000.00	ppb		0.00
23) Naphthalene-d8	4.26	136	301288	8000.00	ppb		0.00
46) Acenaphthene-d10	5.44	164	154859	8000.00	ppb		0.00
70) Phenanthrene-d10	6.57	188	290690	8000.00	ppb		0.00
84) Chrysene-d12	9.54	240	252819	8000.00	ppb		0.00
94) Perylene-d12	12.38	264	273649	8000.00	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.85	112	13374	1024.1746086	ppb		0.00
Spiked Amount 666.000			Recovery = 153.78%				
7) Phenol-d5	3.28	99	15234	943.4936610	ppb		0.00
Spiked Amount 666.000			Recovery = 141.67%				
24) Nitrobenzene-d5	3.82	82	12081m	907.8777697	ppb		0.00
Spiked Amount 333.000			Recovery = 272.64%				
50) 2-Fluorobiphenyl	4.95	172	28365	1006.2816806	ppb		0.00
Spiked Amount 333.000			Recovery = 302.19%				
73) 2,4,6-Tribromophenol	6.02	330	2781	902.8887466	ppb		0.00
Spiked Amount 666.000			Recovery = 135.57%				
87) p-Terphenyl-d14	8.04	244	35378	990.0403797	ppb		0.00
Spiked Amount 333.000			Recovery = 297.31%				
Target Compounds							Qvalue
2) Pyridine	2.31	79	11901	998.1129452	ppb		94
3) N-Nitrosodimethylamine	2.29	42	6873	995.7330245	ppb		90
5) Aniline	3.34	66	7669	1035.6691945	ppb	#	95
6) bis(2-Chloroethyl)ether	3.36	93	11795m	558.9513471	ppb		
8) Phenol	3.29	94	16788	1012.5031366	ppb		99
10) 2-Chlorophenol	3.41	128	13345	1010.2445624	ppb		99
11) n-Decane	3.40	41	7909	952.1233752	ppb	#	90
12) 1,3-Dichlorobenzene	3.49	146	15281	1004.7592285	ppb		96
13) 1,4-Dichlorobenzene	3.53	146	15836	1022.2006471	ppb		96
14) Benzyl Alcohol	3.58	79	9993	992.2878509	ppb		94
15) 1,2-Dichlorobenzene	3.61	146	14424	1004.8210774	ppb		99
16) bis(2-Chloroisopropyl)ethe	3.65	121	5060	980.4227239	ppb		68
17) 2,2-oxybis(1-chloropropane	3.65	121	5060	980.4227239	ppb		68
18) 2-Methylphenol	3.62	108	12162	1008.5121853	ppb		98
19) Hexachloroethane	3.80	117	5649	1022.8026899	ppb		95
20) N-Nitrosodi-n-propylamine	3.72	70	8897	1006.4466665	ppb		95
21) 3&4-Methyl phenol	3.70	107	13385	969.5977105	ppb		96
25) Nitrobenzene	3.84	77	12867	971.7918627	ppb		97
26) Isophorone	3.96	82	23074	973.7600763	ppb		99
27) 2-Nitrophenol	4.02	139	6136	971.3209513	ppb		95
28) 2,4-Dimethylphenol	4.01	107	12562	1035.6727790	ppb		99
29) bis(2-Chlorethoxy)methane	4.08	93	15787	1022.5280775	ppb		95
30) 2,4-Dichlorophenol	4.15	162	10201	995.5789595	ppb		97
32) 1,2,4-Trichlorobenzene	4.22	180	11941	1016.2429131	ppb		99
34) Naphthalene	4.27	128	41782	1027.7434603	ppb		99
35) 4-Chloroaniline	4.29	65	4826	1042.1949294	ppb		96
36) Hexachloro-1,3-butadiene	4.33	225	6244	957.7274149	ppb		92
40) 4-Chloro-3-methylphenol	4.57	107	10067	981.5027088	ppb		86
41) 2-Methylnaphthalene	4.71	142	26958	1007.7179044	ppb		99
42) 1-Methylnaphthalene	4.78	142	24628	978.4163804	ppb		99
47) Hexachlorocyclopentadiene	4.81	237	7287	986.5856772	ppb		97
48) 2,4,6-Trichlorophenol	4.89	196	6640	943.0418676	ppb		95
49) 2,4,5-Trichlorophenol	4.91	196	7255	1017.6821826	ppb		93

(#) = qualifier out of range (m) = manual integration
0209_07.D S804B09V.M Mon Feb 14 15:47:33 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 07.D Vial: 4
Acq On : 9 Feb 2022 11:04 am Operator: 917
Sample : STD SVMS 1K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:47 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:19:47 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

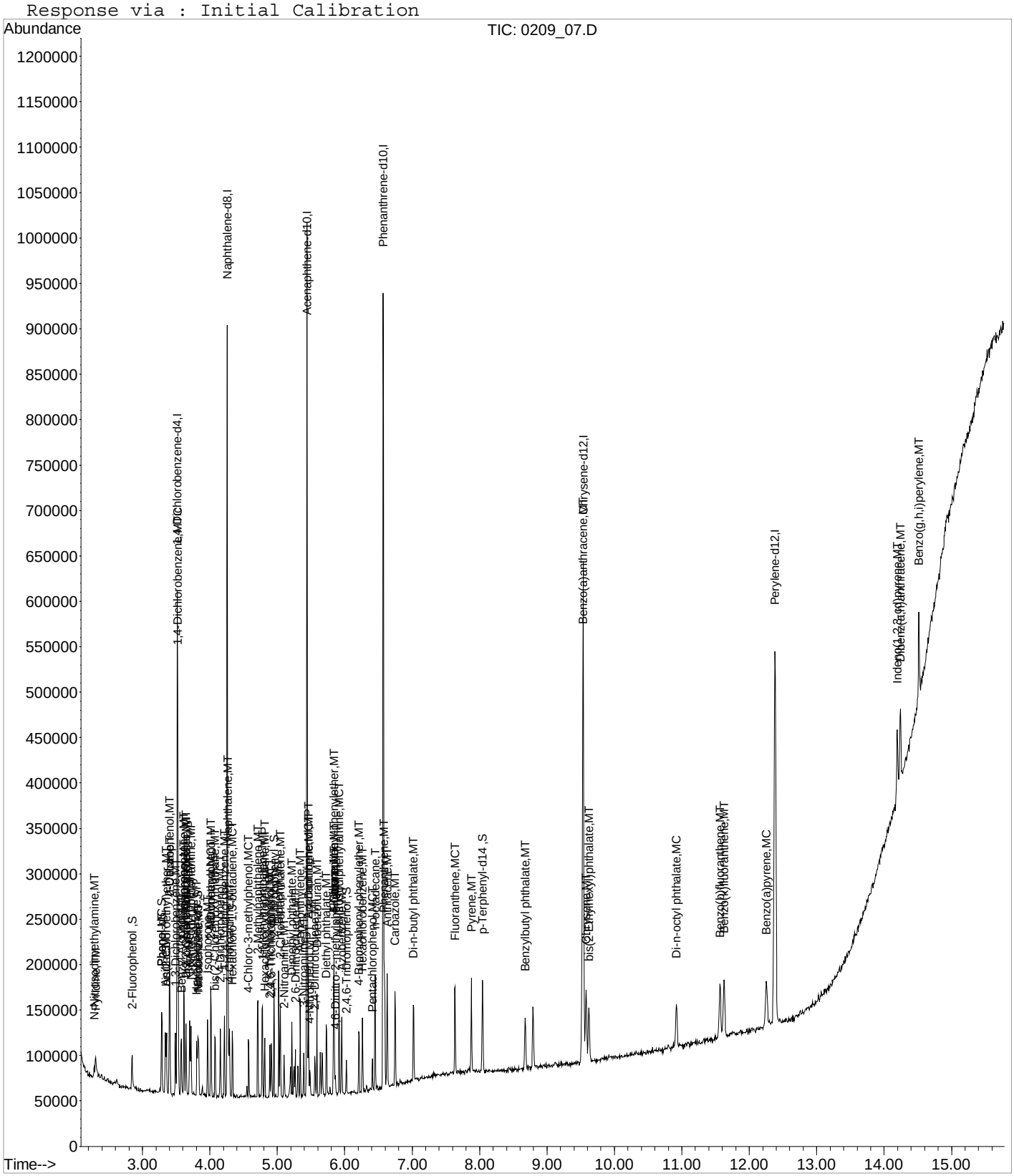
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	Biphenyl	5.02	154	31396	1013.2193660	ppb		98
52)	2-Chloronaphthalene	5.05	162	24285	1032.7965655	ppb		97
53)	2-Nitroaniline	5.10	138	6335	936.9430644	ppb	#	96
54)	Acenaphthylene	5.34	152	35382	988.1131522	ppb		99
55)	Dimethyl phthalate	5.22	163	23291	982.3490986	ppb		96
56)	2,6-Dinitrotoluene	5.27	165	4865	928.8368997	ppb		99
57)	3-Nitroaniline	5.39	138	4936	887.3217022	ppb		91
58)	Acenaphthene	5.46	153	24135	997.3544259	ppb		99
59)	2,4-Dinitrophenol	5.46	184	1390	781.2926895	ppb	#	1
60)	Dibenzofuran	5.59	168	33852	1004.0506798	ppb		100
61)	2,4-Dinitrotoluene	5.56	165	5734	923.6569672	ppb	#	77
63)	4-Nitrophenol	5.49	139	3863	823.0078370	ppb		97
64)	Fluorene	5.84	166	26866	1011.0676989	ppb		98
65)	4-Chlorophenyl-phenylether	5.83	204	13151	1006.1449282	ppb		94
66)	Diethyl phthalate	5.73	149	24302	1000.2320751	ppb		99
67)	4-Nitroaniline	5.84	138	5080	917.9528314	ppb		96
68)	Azobenzene	5.95	77	23996	967.7887017	ppb		99
71)	4,6-Dinitro-2-methylphenol	5.86	198	2275	821.1747835	ppb		91
72)	N-Nitrosodiphenylamine	5.92	169	21933	980.5621274	ppb		94
74)	4-Bromophenyl-phenylether	6.21	248	7249	1016.9661888	ppb		94
75)	Hexachlorobenzene	6.26	284	8451	1030.4154727	ppb		97
76)	n-octadecane	6.45	55	4622	932.7469322	ppb	#	89
77)	Pentachlorophenol	6.41	266	3482	901.2827855	ppb		97
78)	Phenanthrene	6.59	178	41877	1043.2531380	ppb		98
79)	Anthracene	6.63	178	40406	993.3957930	ppb		99
80)	Carbazole	6.75	167	37131	991.6965643	ppb		98
81)	Di-n-butyl phthalate	7.02	149	38609	933.6214592	ppb		99
83)	Fluoranthene	7.64	202	41394	994.6744483	ppb		99
86)	Pyrene	7.88	202	43345	1046.3115430	ppb		97
88)	Benzylbutyl phthalate	8.68	149	15306	914.0065001	ppb		96
90)	Benzo(a)anthracene	9.52	228	38865	1021.2752983	ppb		91
91)	Chrysene	9.58	228	37999	1029.2590925	ppb		96
92)	bis(2-Ethylhexyl)phthalate	9.62	149	21050	914.9946856	ppb		99
93)	Di-n-octyl phthalate	10.92	149	33904	915.3989320	ppb		97
95)	Benzo(b)fluoranthene	11.56	252	40261	966.1548100	ppb		98
96)	Benzo(k)fluoranthene	11.62	252	39928	986.7291781	ppb		93
97)	Benzo(a)pyrene	12.26	252	34757	1008.2775726	ppb		99
98)	Indeno(1,2,3-cd)pyrene	14.20	276	34378	995.1350728	ppb		98
99)	Dibenz(a,h)anthracene	14.24	278	38216	1041.3233414	ppb		97
100)	Benzo(g,h,i)perylene	14.52	276	36328	970.1482120	ppb		88

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 07.D Vial: 4
Acq On : 9 Feb 2022 11:04 am Operator: 917
Sample : STD SVMS 1K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:47 2022 Quant Results File: S804B09V.RES

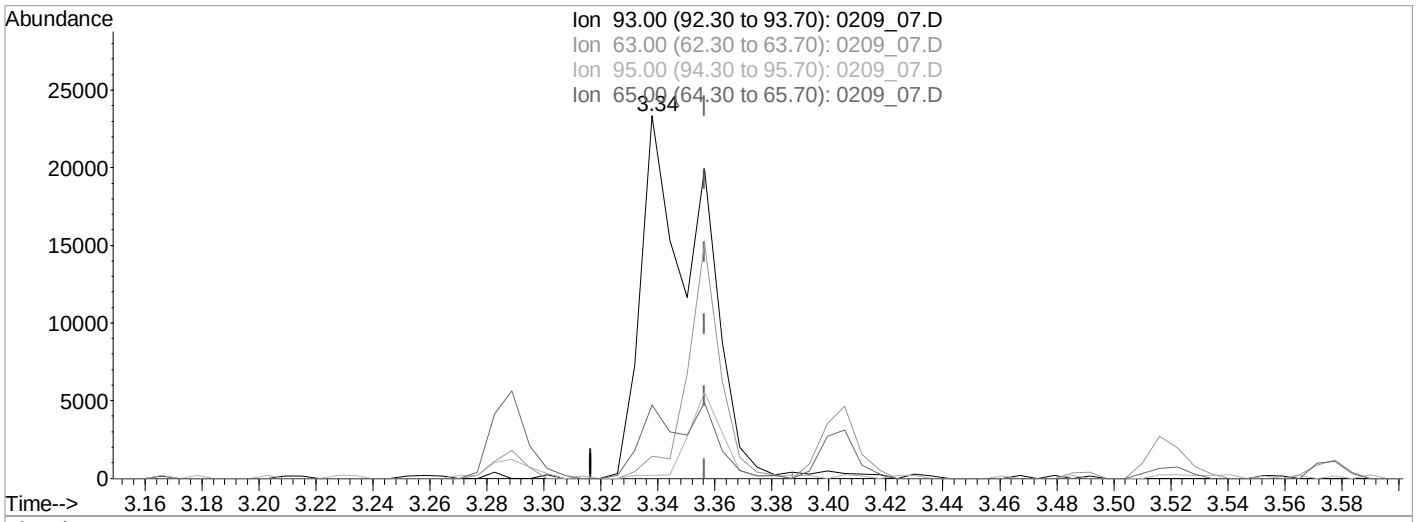
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:44:48 2022
Response via : Initial Calibration

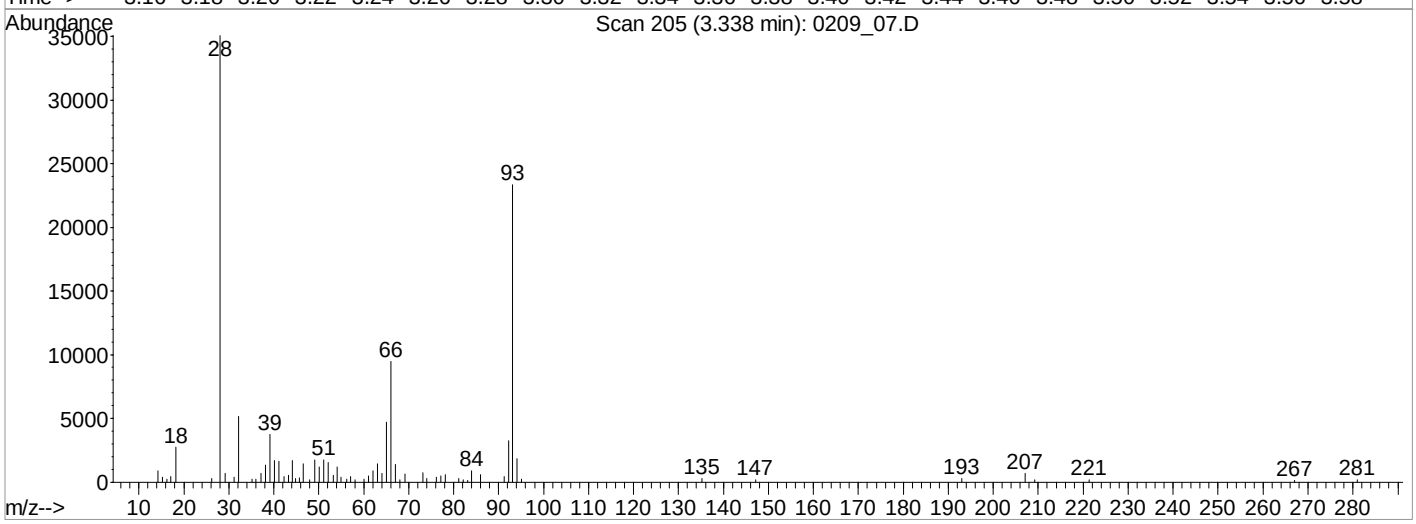


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 07.D Vial: 4
Acq On : 9 Feb 2022 11:04 am Operator: 917
Sample : STD SVMS 1K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:46 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:44:48 2022
Response via : Multiple Level Calibration





TIC: 0209_07.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.018) 1569.5183226 ppb m

response 33120

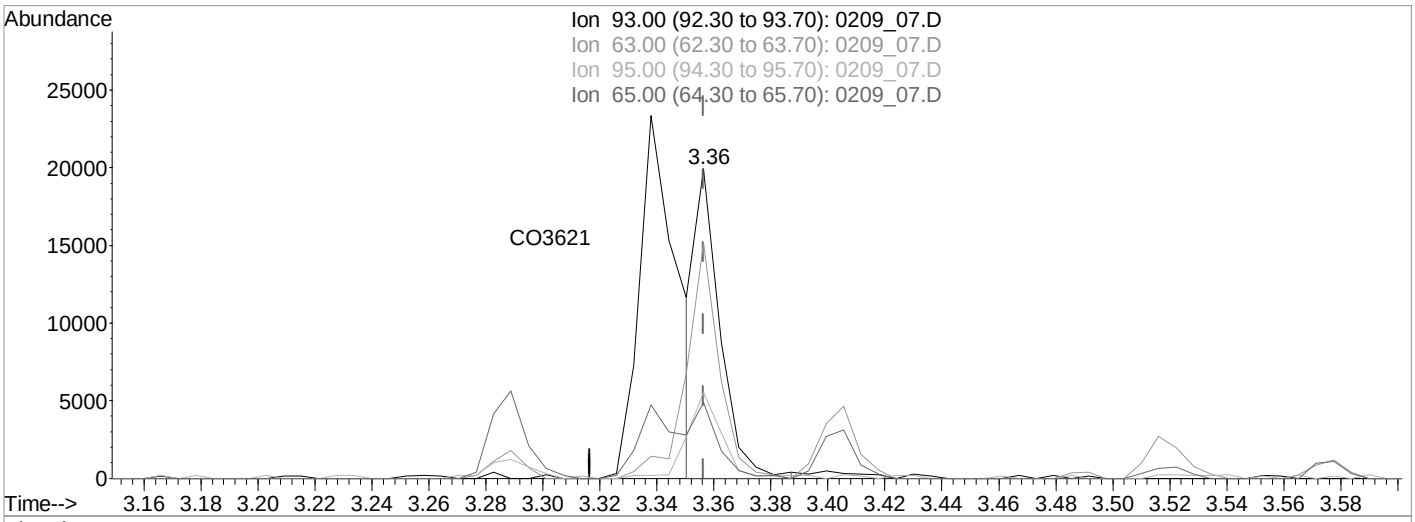
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	6.09#
95.00	30.20	0.87#
65.00	24.00	20.20

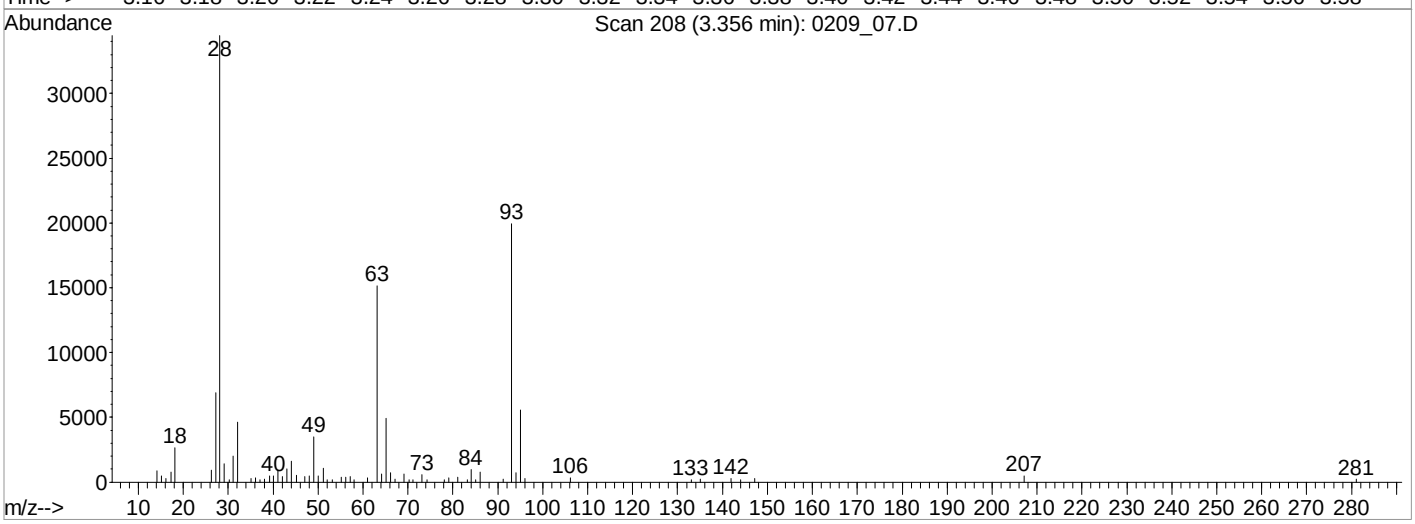
0209_07.D S804B09V.M Mon Feb 14 15:46:21 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 07.D Vial: 4
Acq On : 9 Feb 2022 11:04 am Operator: 917
Sample : STD SVMS 1K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:47 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:44:48 2022
Response via : Multiple Level Calibration





TIC: 0209_07.D

(6) bis(2-Chloroethyl)ether (MT)

3.36min (-0.000) 558.9513471 ppb m

response 11795

Ion	Exp%	Act%
93.00	100	100
63.00	76.20	75.97
95.00	30.20	27.78
65.00	24.00	24.57

0209_07.D S804B09V.M Mon Feb 14 15:47:20 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 08.D Vial: 5
Acq On : 9 Feb 2022 11:25 am Operator: 917
Sample : STD SVMS 4K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:16 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:27:29 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	76560	8000.00	ppb	0.00
23) Naphthalene-d8	4.26	136	308834	8000.00	ppb	0.00
46) Acenaphthene-d10	5.44	164	158910	8000.00	ppb	0.00
70) Phenanthrene-d10	6.57	188	298649	8000.00	ppb	0.00
84) Chrysene-d12	9.54	240	273094	8000.00	ppb	0.00
94) Perylene-d12	12.39	264	293434	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.85	112	48725	3687.4891163	ppb	0.00
Spiked Amount 666.000			Recovery = 553.68%			
7) Phenol-d5	3.28	99	58350	3669.2378705	ppb	0.00
Spiked Amount 666.000			Recovery = 550.94%			
24) Nitrobenzene-d5	3.82	82	52297	3806.9552688	ppb	0.00
Spiked Amount 333.000			Recovery = 1143.23%			
50) 2-Fluorobiphenyl	4.95	172	105816	3650.6056885	ppb	0.00
Spiked Amount 333.000			Recovery = 1096.28%			
73) 2,4,6-Tribromophenol	6.02	330	12407	4051.9112414	ppb	0.00
Spiked Amount 666.000			Recovery = 608.40%			
87) p-Terphenyl-d14	8.04	244	135025	3509.7450349	ppb	0.00
Spiked Amount 333.000			Recovery = 1053.98%			
Target Compounds						Qvalue
2) Pyridine	2.30	79	46914	3922.1462465	ppb	92
3) N-Nitrosodimethylamine	2.29	42	25194	3641.3603720	ppb	92
5) Aniline	3.34	66	27896	3708.8809048	ppb	97
6) bis(2-Chloroethyl)ether	3.36	93	40648m	2249.7087184	ppb	
8) Phenol	3.29	94	61675	3690.2190244	ppb	98
10) 2-Chlorophenol	3.41	128	49941	3753.5004602	ppb	98
11) n-Decane	3.40	41	30186	3678.8814437	ppb #	100
12) 1,3-Dichlorobenzene	3.49	146	55691	3642.1568344	ppb	98
13) 1,4-Dichlorobenzene	3.53	146	58102	3708.7838455	ppb	99
14) Benzyl Alcohol	3.58	79	37857	3754.5482410	ppb	99
15) 1,2-Dichlorobenzene	3.61	146	53437	3702.5382219	ppb	98
16) bis(2-Chloroisopropyl)ethe	3.65	121	18481	3590.7364409	ppb	70
17) 2,2-oxybis(1-chloropropane	3.65	121	18481	3590.7364409	ppb	70
18) 2-Methylphenol	3.62	108	44297	3648.9823869	ppb	97
19) Hexachloroethane	3.80	117	21006	3760.3383531	ppb	98
20) N-Nitrosodi-n-propylamine	3.72	70	32491	3653.6742608	ppb	97
21) 3&4-Methyl phenol	3.70	107	50954	3714.7273657	ppb	98
25) Nitrobenzene	3.84	77	50279	3739.7466534	ppb	97
26) Isophorone	3.96	82	86386	3587.9344294	ppb	100
27) 2-Nitrophenol	4.02	139	23882	3723.7157111	ppb	97
28) 2,4-Dimethylphenol	4.01	107	46618	3705.4455563	ppb	99
29) bis(2-Chlorethoxy)methane	4.08	93	56471	3541.6753632	ppb	94
30) 2,4-Dichlorophenol	4.15	162	38182	3640.7331375	ppb	98
32) 1,2,4-Trichlorobenzene	4.22	180	44416	3667.8194095	ppb	98
34) Naphthalene	4.27	128	153901	3659.2817273	ppb	100
35) 4-Chloroaniline	4.29	65	17865	3711.5524610	ppb	100
36) Hexachloro-1,3-butadiene	4.33	225	23634	3587.0389463	ppb	99
40) 4-Chloro-3-methylphenol	4.57	107	38533	3687.7972059	ppb	91
41) 2-Methylnaphthalene	4.71	142	98637	3587.8315328	ppb	99
42) 1-Methylnaphthalene	4.78	142	93691	3657.5057324	ppb	99
47) Hexachlorocyclopentadiene	4.81	237	29092	3855.5923968	ppb	97
48) 2,4,6-Trichlorophenol	4.89	196	25288	3567.6924956	ppb	87
49) 2,4,5-Trichlorophenol	4.91	196	27944	3797.4870871	ppb	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 08.D Vial: 5
Acq On : 9 Feb 2022 11:25 am Operator: 917
Sample : STD SVMS 4K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:16 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:27:29 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

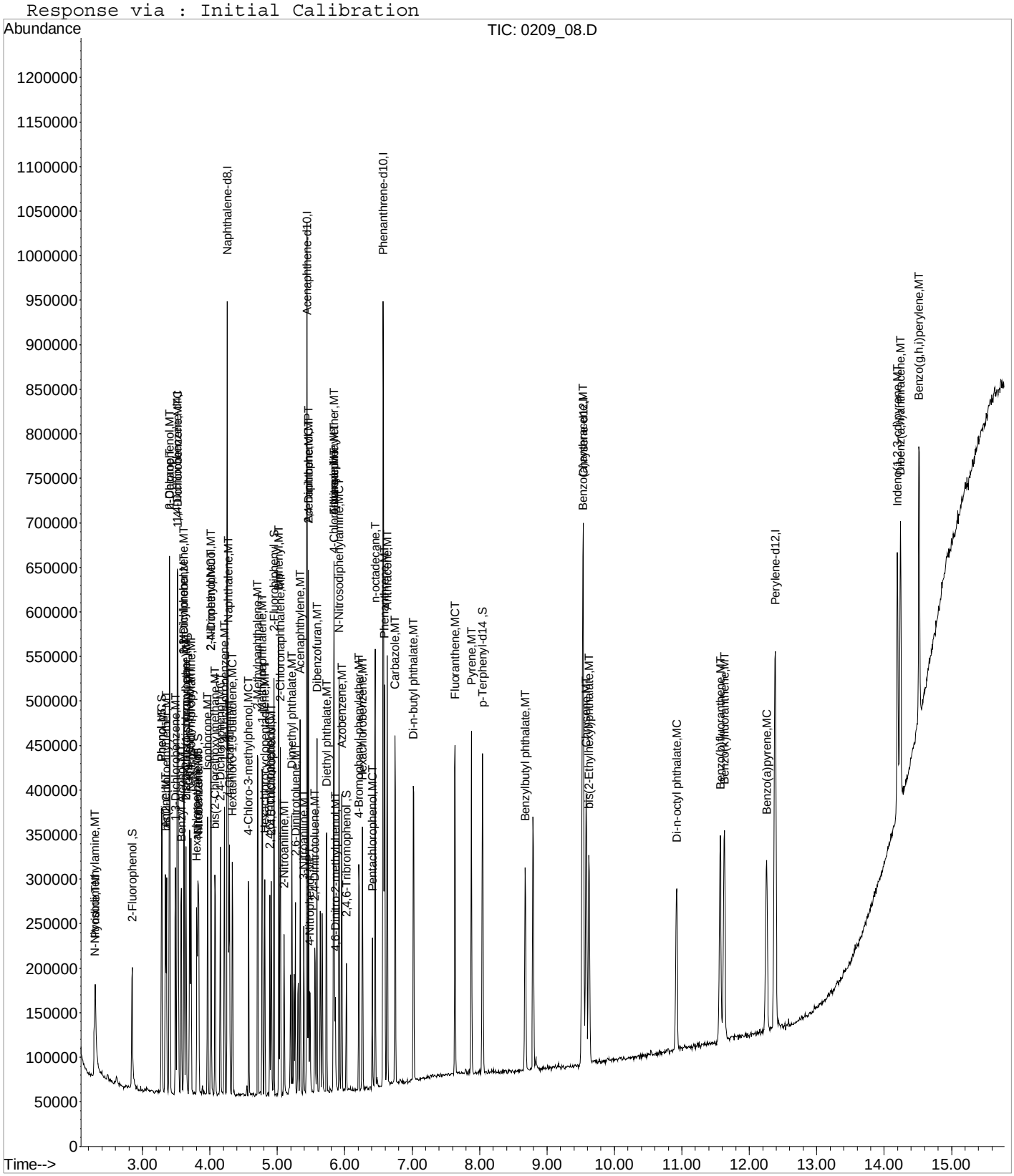
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	Biphenyl	5.02	154	118174	3700.2138562	ppb		99
52)	2-Chloronaphthalene	5.05	162	91273	3741.8140427	ppb		98
53)	2-Nitroaniline	5.10	138	25895	3812.3559871	ppb		97
54)	Acenaphthylene	5.34	152	138397	3781.4678851	ppb		98
55)	Dimethyl phthalate	5.22	163	89878	3716.0291707	ppb		100
56)	2,6-Dinitrotoluene	5.27	165	20369	3881.8398479	ppb		95
57)	3-Nitroaniline	5.39	138	22058	4014.9800104	ppb		98
58)	Acenaphthene	5.46	153	90926	3664.8708952	ppb		99
59)	2,4-Dinitrophenol	5.46	184	7954	4699.4207519	ppb	#	65
60)	Dibenzofuran	5.59	168	125970	3636.1153668	ppb		99
61)	2,4-Dinitrotoluene	5.56	165	24897	4010.3299275	ppb		99
63)	4-Nitrophenol	5.49	139	17661	3896.6279998	ppb		97
64)	Fluorene	5.84	166	104287	3810.5999505	ppb		98
65)	4-Chlorophenyl-phenylether	5.83	204	48245	3589.6378717	ppb		99
66)	Diethyl phthalate	5.73	149	94239	3779.5583767	ppb		99
67)	4-Nitroaniline	5.84	138	22766	4121.6546071	ppb		99
68)	Azobenzene	5.95	77	94745	3764.1896388	ppb		100
71)	4,6-Dinitro-2-methylphenol	5.86	198	11741	4386.5146094	ppb		93
72)	N-Nitrosodiphenylamine	5.92	169	85367	3739.0321479	ppb		100
74)	4-Bromophenyl-phenylether	6.21	248	28452	3863.3232975	ppb		96
75)	Hexachlorobenzene	6.26	284	30100	3536.3795647	ppb		97
76)	n-octadecane	6.45	55	17047	3425.2915399	ppb		93
77)	Pentachlorophenol	6.41	266	15204	3960.8681961	ppb		97
78)	Phenanthrene	6.59	178	152049	3634.5438187	ppb		98
79)	Anthracene	6.63	178	149791	3592.4300031	ppb		99
80)	Carbazole	6.75	167	140338	3658.3915478	ppb		98
81)	Di-n-butyl phthalate	7.02	149	155562	3744.3117272	ppb		100
83)	Fluoranthene	7.64	202	156913	3676.5726891	ppb		99
86)	Pyrene	7.88	202	164730	3625.2603146	ppb		99
88)	Benzylbutyl phthalate	8.68	149	64453	3668.2506321	ppb		98
90)	Benzo(a)anthracene	9.52	228	146345	3535.0092132	ppb		100
91)	Chrysene	9.58	228	146632	3641.3605935	ppb		99
92)	bis(2-Ethylhexyl)phthalate	9.62	149	86899	3598.8379231	ppb		99
93)	Di-n-octyl phthalate	10.92	149	144282	3711.0126159	ppb		98
95)	Benzo(b)fluoranthene	11.57	252	156039	3531.8820648	ppb		99
96)	Benzo(k)fluoranthene	11.63	252	152687	3534.5271144	ppb		98
97)	Benzo(a)pyrene	12.26	252	134154	3619.3303945	ppb		98
98)	Indeno(1,2,3-cd)pyrene	14.20	276	136698	3696.1693366	ppb		97
99)	Dibenz(a,h)anthracene	14.24	278	145241	3640.5893699	ppb		98
100)	Benzo(g,h,i)perylene	14.52	276	144798	3642.3839778	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 08.D Vial: 5
Acq On : 9 Feb 2022 11:25 am Operator: 917
Sample : STD SVMS 4K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:16 2022 Quant Results File: S804B09V.RES

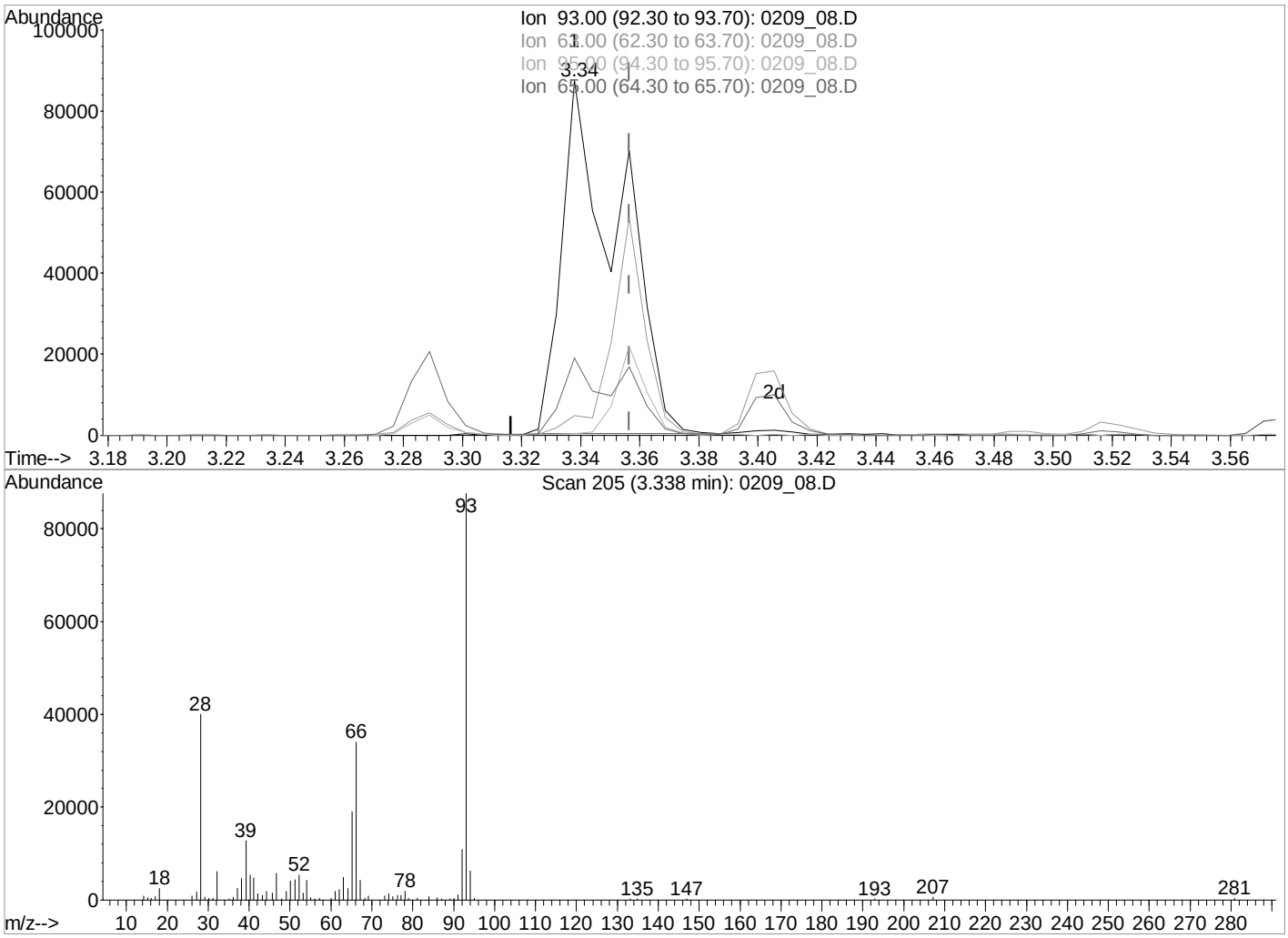
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:47:45 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 08.D Vial: 5
Acq On : 9 Feb 2022 11:25 am Operator: 917
Sample : STD SVMS 4K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 12:29 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:27:29 2022
Response via : Multiple Level Calibration



TIC: 0209_08.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.018) 6535.1580902 ppb

Qvalue = 38

response 118078

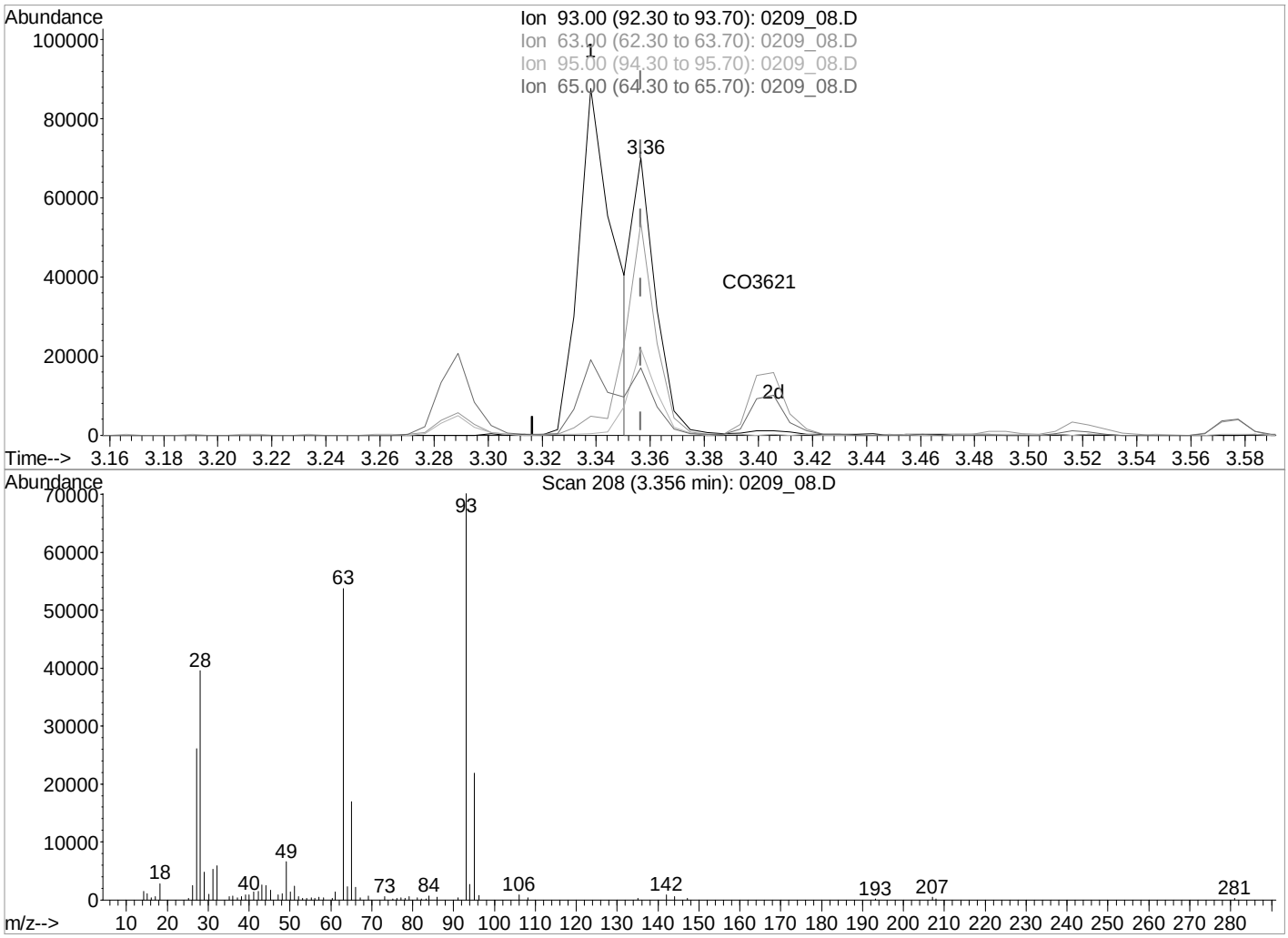
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.23#
95.00	30.20	0.18#
65.00	24.00	21.53

0209_08.D S804B09V.M Mon Feb 14 12:30:09 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 08.D Vial: 5
Acq On : 9 Feb 2022 11:25 am Operator: 917
Sample : STD SVMS 4K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:16 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 14:25:02 2022
Response via : Multiple Level Calibration



TIC: 0209_08.D

(6) bis(2-Chloroethyl)ether (MT)

3.36min (-0.000) 2249.7087184 ppb m

response 40648

Ion	Exp%	Act%
93.00	100	100
63.00	76.20	76.56
95.00	30.20	31.18
65.00	24.00	24.14

0209_08.D S804B09V.M Mon Feb 14 15:16:38 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 09.D Vial: 6
Acq On : 9 Feb 2022 11:46 am Operator: 917
Sample : MSTD SVMS 10K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:51 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 11:39:40 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	79698	8000.00	ppb	0.00
23) Naphthalene-d8	4.26	136	318573	8000.00	ppb	0.00
46) Acenaphthene-d10	5.44	164	166698	8000.00	ppb	0.00
70) Phenanthrene-d10	6.57	188	313275	8000.00	ppb	0.00
84) Chrysene-d12	9.54	240	276256	8000.00	ppb	0.00
94) Perylene-d12	12.38	264	294444	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.85	112	126685	10000.0000000	ppb	0.00
Spiked Amount 666.000			Recovery = 1501.50%			
7) Phenol-d5	3.28	99	152664	10000.0000000	ppb	0.00
Spiked Amount 666.000			Recovery = 1501.50%			
24) Nitrobenzene-d5	3.82	82	126003m	9983.3614604	ppb	0.00
Spiked Amount 333.000			Recovery = 2998.01%			
50) 2-Fluorobiphenyl	4.95	172	280043	10000.0000000	ppb	0.00
Spiked Amount 333.000			Recovery = 3003.00%			
73) 2,4,6-Tribromophenol	6.02	330	35551	10000.0000000	ppb	0.00
Spiked Amount 666.000			Recovery = 1501.50%			
87) p-Terphenyl-d14	8.04	244	374818	10000.0000000	ppb	0.00
Spiked Amount 333.000			Recovery = 3003.00%			
Target Compounds						Qvalue
2) Pyridine	2.29	79	121910	9699.8002912	ppb	99
3) N-Nitrosodimethylamine	2.28	42	65505	10000.0000000	ppb	100
5) Aniline	3.34	66	74198	10000.0000000	ppb	100
6) bis(2-Chloroethyl)ether	3.36	93	103260m	10000.0000000	ppb	
8) Phenol	3.29	94	161240	10000.0000000	ppb	100
10) 2-Chlorophenol	3.41	128	128999	10000.0000000	ppb	100
11) n-Decane	3.40	41	76738	10000.0000000	ppb	100
12) 1,3-Dichlorobenzene	3.49	146	146804	10000.0000000	ppb	100
13) 1,4-Dichlorobenzene	3.53	146	149745	10000.0000000	ppb	100
14) Benzyl Alcohol	3.58	79	100344	10000.0000000	ppb	100
15) 1,2-Dichlorobenzene	3.61	146	137930	10000.0000000	ppb	100
16) bis(2-Chloroisopropyl)ethe	3.65	121	46703	10000.0000000	ppb	100
17) 2,2-oxybis(1-chloropropane	3.65	121	46703	10000.0000000	ppb	100
18) 2-Methylphenol	3.62	108	118936	10000.0000000	ppb	100
19) Hexachloroethane	3.80	117	55684	10000.0000000	ppb	100
20) N-Nitrosodi-n-propylamine	3.72	70	87187	10000.0000000	ppb	100
21) 3&4-Methyl phenol	3.70	107	134402	10000.0000000	ppb	100
25) Nitrobenzene	3.84	77	132607	10000.0000000	ppb	100
26) Isophorone	3.96	82	237119	10000.0000000	ppb	100
27) 2-Nitrophenol	4.02	139	64981	10000.0000000	ppb	100
28) 2,4-Dimethylphenol	4.01	107	120179	10000.0000000	ppb	100
29) bis(2-Chlorethoxy)methane	4.08	93	147555	10000.0000000	ppb	100
30) 2,4-Dichlorophenol	4.15	162	103418	10000.0000000	ppb	100
32) 1,2,4-Trichlorobenzene	4.22	180	115136	10000.0000000	ppb	100
34) Naphthalene	4.27	128	399013	10000.0000000	ppb	100
35) 4-Chloroaniline	4.29	65	47430	10000.0000000	ppb	100
36) Hexachloro-1,3-butadiene	4.33	225	62939	10000.0000000	ppb	100
40) 4-Chloro-3-methylphenol	4.58	107	104251	10000.0000000	ppb	100
41) 2-Methylnaphthalene	4.71	142	261134	10000.0000000	ppb	100
42) 1-Methylnaphthalene	4.78	142	242812	10000.0000000	ppb	100
47) Hexachlorocyclopentadiene	4.81	237	77267	10000.0000000	ppb	100
48) 2,4,6-Trichlorophenol	4.89	196	69331	10000.0000000	ppb	100
49) 2,4,5-Trichlorophenol	4.91	196	78067	10000.0000000	ppb	100

(#) = qualifier out of range (m) = manual integration
0209_09.D S804B09V.M Mon Feb 14 15:53:06 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 09.D Vial: 6
Acq On : 9 Feb 2022 11:46 am Operator: 917
Sample : MSTD SVMS 10K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:51 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 11:39:40 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

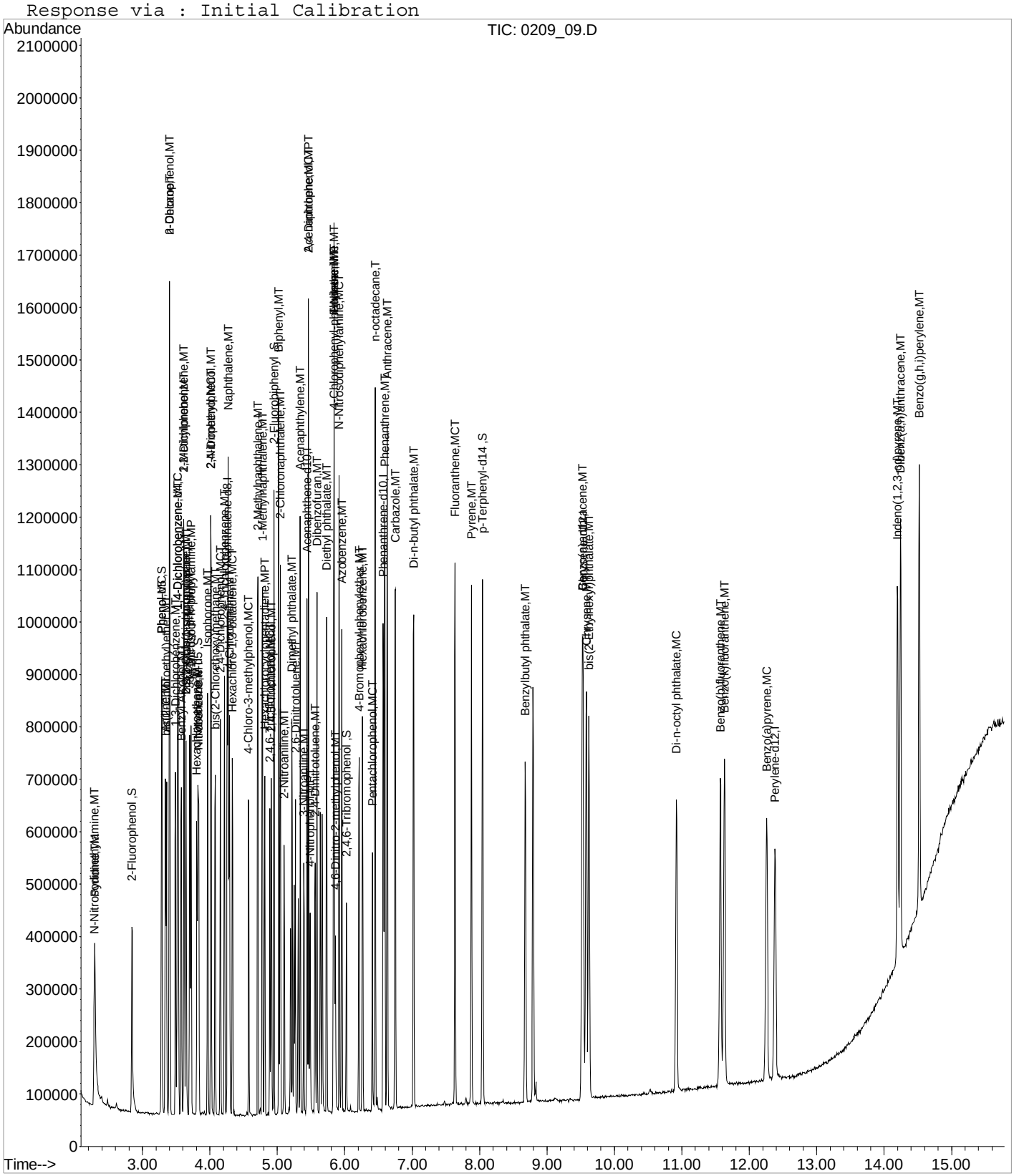
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
51)	Biphenyl	5.02	154	310488	10000.0000000	ppb	100
52)	2-Chloronaphthalene	5.05	162	240256	10000.0000000	ppb	100
53)	2-Nitroaniline	5.10	138	75937	10000.0000000	ppb	100
54)	Acenaphthylene	5.34	152	371391	10000.0000000	ppb	100
55)	Dimethyl phthalate	5.22	163	250120	10000.0000000	ppb	100
56)	2,6-Dinitrotoluene	5.27	165	59648	10000.0000000	ppb	100
57)	3-Nitroaniline	5.39	138	64174	10000.0000000	ppb	100
58)	Acenaphthene	5.46	153	243837	10000.0000000	ppb	100
59)	2,4-Dinitrophenol	5.46	184	25454	10000.0000000	ppb	100
60)	Dibenzofuran	5.59	168	335686	10000.0000000	ppb	100
61)	2,4-Dinitrotoluene	5.56	165	72875	10000.0000000	ppb	100
63)	4-Nitrophenol	5.49	139	52065	10000.0000000	ppb	100
64)	Fluorene	5.84	166	276379	10000.0000000	ppb	100
65)	4-Chlorophenyl-phenylether	5.83	204	130111	10000.0000000	ppb	100
66)	Diethyl phthalate	5.73	149	253571	10000.0000000	ppb	100
67)	4-Nitroaniline	5.84	138	62120	10000.0000000	ppb	100
68)	Azobenzene	5.95	77	259354	10000.0000000	ppb	100
71)	4,6-Dinitro-2-methylphenol	5.86	198	35354	10000.0000000	ppb	100
72)	N-Nitrosodiphenylamine	5.92	169	231908	10000.0000000	ppb	100
74)	4-Bromophenyl-phenylether	6.21	248	75834	10000.0000000	ppb	100
75)	Hexachlorobenzene	6.26	284	81756	10000.0000000	ppb	100
76)	n-octadecane	6.45	55	46905	10000.0000000	ppb	100
77)	Pentachlorophenol	6.41	266	46865	10000.0000000	ppb	100
78)	Phenanthrene	6.59	178	401719	10000.0000000	ppb	100
79)	Anthracene	6.63	178	412471	10000.0000000	ppb	100
80)	Carbazole	6.75	167	385300	10000.0000000	ppb	100
81)	Di-n-butyl phthalate	7.02	149	437342	10000.0000000	ppb	100
83)	Fluoranthene	7.64	202	425654	10000.0000000	ppb	100
86)	Pyrene	7.88	202	441403	10000.0000000	ppb	100
88)	Benzylbutyl phthalate	8.68	149	182425	10000.0000000	ppb	100
90)	Benzo(a)anthracene	9.52	228	393248	10000.0000000	ppb	100
91)	Chrysene	9.58	228	381309	10000.0000000	ppb	100
92)	bis(2-Ethylhexyl)phthalate	9.62	149	255742	10000.0000000	ppb	100
93)	Di-n-octyl phthalate	10.92	149	419500	10000.0000000	ppb	100
95)	Benzo(b)fluoranthene	11.57	252	408147	10000.0000000	ppb	100
96)	Benzo(k)fluoranthene	11.63	252	406682	10000.0000000	ppb	100
97)	Benzo(a)pyrene	12.26	252	356920	10000.0000000	ppb	100
98)	Indeno(1,2,3-cd)pyrene	14.20	276	361749	10000.0000000	ppb	100
99)	Dibenz(a,h)anthracene	14.24	278	387330	10000.0000000	ppb	100
100)	Benzo(g,h,i)perylene	14.52	276	382610	10000.0000000	ppb	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 09.D Vial: 6
Acq On : 9 Feb 2022 11:46 am Operator: 917
Sample : MSTD SVMS 10K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:51 2022 Quant Results File: S804B09V.RES

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:49:28 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050422B\0504B 03.D Vial: 3
Acq On : 4 May 2022 8:09 pm Operator: 3545
Sample : ICV SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 5 16:03 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	72810	8000.00 ppb		0.00
23) Naphthalene-d8	3.98	136	308811	8000.00 ppb		0.00
46) Acenaphthene-d10	5.15	164	153956	8000.00 ppb		0.00
70) Phenanthrene-d10	6.26	188	290793	8000.00 ppb		0.00
84) Chrysene-d12	9.01	240	239869	8000.00 ppb		0.00
94) Perylene-d12	11.67	264	248833	8000.00 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.58	112	125991	10648.8093607 ppb		0.00
Spiked Amount 20000.000			Recovery = 53.24%			
7) Phenol-d5	3.03	99	154852	10904.8081827 ppb		0.00
Spiked Amount 20000.000			Recovery = 54.52%			
24) Nitrobenzene-d5	3.56	82	148958m	11368.3042392 ppb		0.00
Spiked Amount 10000.000			Recovery = 113.68%			
50) 2-Fluorobiphenyl	4.67	172	266294	10253.4023911 ppb		0.00
Spiked Amount 10000.000			Recovery = 102.53%			
73) 2,4,6-Tribromophenol	5.72	330	38217	11609.7274995 ppb		0.00
Spiked Amount 20000.000			Recovery = 58.05%			
87) p-Terphenyl-d14	7.65	244	342371	10444.2393420 ppb		0.00
Spiked Amount 10000.000			Recovery = 104.44%			
Target Compounds						Qvalue
2) Pyridine	1.99	79	148014	13138.2970554 ppb		91
3) N-Nitrosodimethylamine	1.98	42	78031	12904.7576433 ppb		92
5) Aniline	3.08	66	77309	11476.0102541 ppb	#	36
6) bis(2-Chloroethyl)ether	3.09	93	134334	12837.6695153 ppb		98
8) Phenol	3.04	94	159489	10662.4454340 ppb		91
10) 2-Chlorophenol	3.14	128	126641	10574.2456665 ppb		95
11) n-Decane	3.14	41	83245	11800.6717158 ppb		97
12) 1,3-Dichlorobenzene	3.22	146	137383	10145.3675510 ppb		93
13) 1,4-Dichlorobenzene	3.27	146	142112	10196.1300433 ppb		97
14) Benzyl Alcohol	3.32	79	102792	11097.2164608 ppb		96
15) 1,2-Dichlorobenzene	3.35	146	135933	10609.6074912 ppb		95
16) bis(2-Chloroisopropyl)ethe	3.38	121	46434	10591.0535705 ppb	#	39
17) 2,2-oxybis(1-chloropropane	3.38	121	46434	10591.0535705 ppb	#	39
18) 2-Methylphenol	3.37	108	122831	11350.0352901 ppb		95
19) Hexachloroethane	3.54	117	58879	11637.4411130 ppb		95
20) N-Nitrosodi-n-propylamine	3.46	70	100110	12658.3109219 ppb		93
21) 3&4-Methyl phenol	3.45	107	139627	11358.6276700 ppb		95
25) Nitrobenzene	3.57	77	149196	11645.3460556 ppb		93
26) Isophorone	3.70	82	273139	11884.7047612 ppb		96
27) 2-Nitrophenol	3.76	139	67830	10504.2391718 ppb		81
28) 2,4-Dimethylphenol	3.76	107	131358	10953.2526094 ppb		95
29) bis(2-Chlorethoxy)methane	3.82	93	162553	11062.0210610 ppb		98
30) 2,4-Dichlorophenol	3.89	162	100259	9923.8153739 ppb		95
32) 1,2,4-Trichlorobenzene	3.95	180	112134	9915.5942513 ppb		97
34) Naphthalene	4.00	128	374919m	9533.8516433 ppb		
35) 4-Chloroaniline	4.02	65	50343	11017.8017774 ppb	#	49
36) Hexachloro-1,3-butadiene	4.06	225	66952	10852.4043763 ppb		96
40) 4-Chloro-3-methylphenol	4.32	107	102521	10066.9036815 ppb		91
41) 2-Methylnaphthalene	4.43	142	242446	9461.4504064 ppb		96
42) 1-Methylnaphthalene	4.49	142	232320	9647.4495585 ppb		98
47) Hexachlorocyclopentadiene	4.53	237	49301	6835.0157549 ppb		95
48) 2,4,6-Trichlorophenol	4.61	196	68606	10274.1845518 ppb		90
49) 2,4,5-Trichlorophenol	4.64	196	71338	10265.3745585 ppb		91

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050422B\0504B 03.D Vial: 3
Acq On : 4 May 2022 8:09 pm Operator: 3545
Sample : ICV SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 5 16:03 2022 Quant Results File: S804E04BV.RES

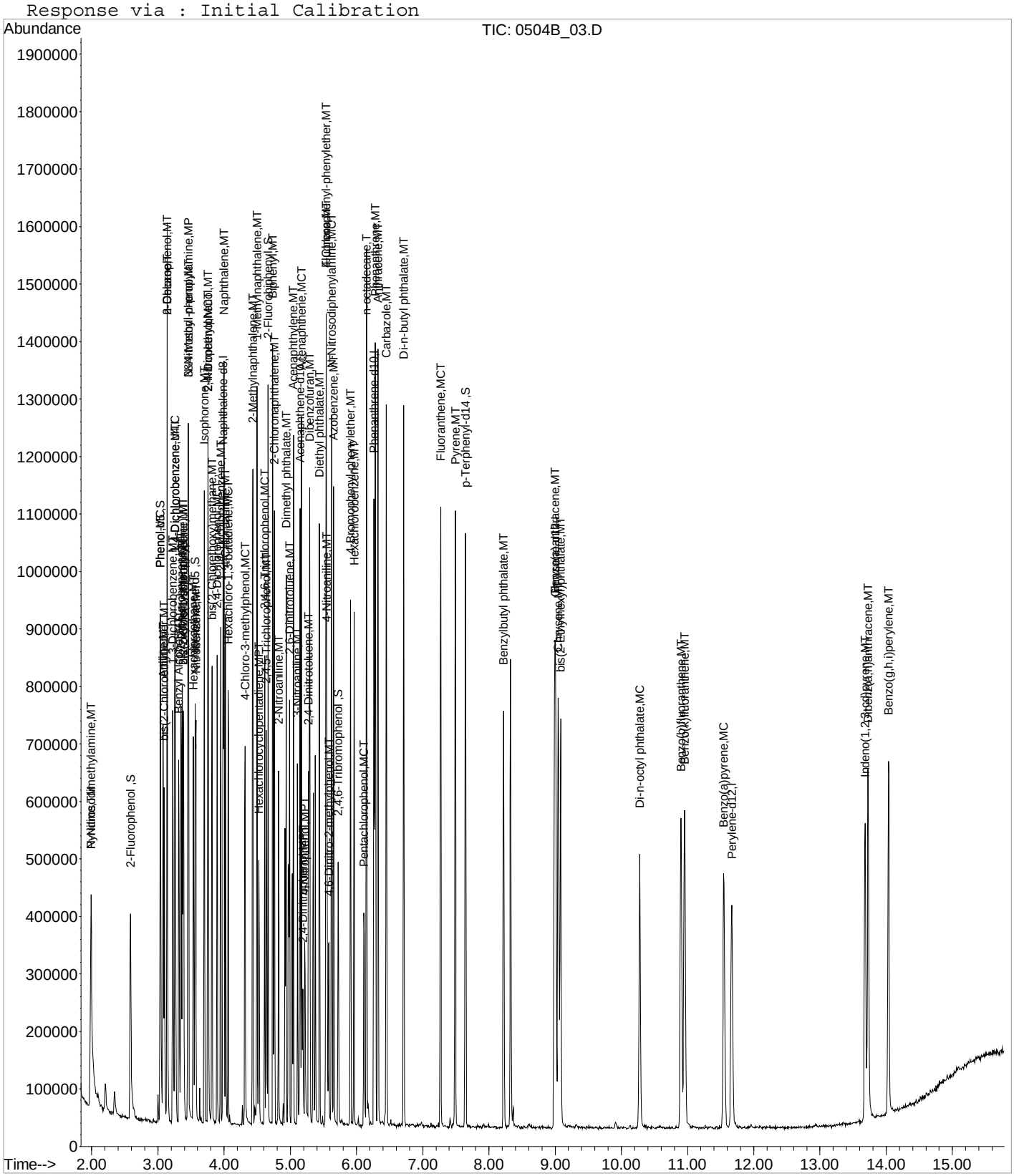
Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
51)	Biphenyl	4.73	154	301118	10441.1941443 ppb		99
52)	2-Chloronaphthalene	4.76	162	225125	10228.5696808 ppb		97
53)	2-Nitroaniline	4.82	138	77356	11338.4162347 ppb		92
54)	Acenaphthylene	5.05	152	349630	10211.1489350 ppb		99
55)	Dimethyl phthalate	4.94	163	241288	10581.7152130 ppb		99
56)	2,6-Dinitrotoluene	4.99	165	57670	10908.4044924 ppb	#	77
57)	3-Nitroaniline	5.11	138	60805	10682.3816714 ppb		93
58)	Acenaphthene	5.17	153	225966	10032.0397375 ppb		98
59)	2,4-Dinitrophenol	5.19	184	25739	8991.4846740 ppb	#	1
60)	Dibenzofuran	5.29	168	313173	10025.5416474 ppb		96
61)	2,4-Dinitrotoluene	5.27	165	75641	11425.1613528 ppb	#	70
63)	4-Nitrophenol	5.22	139	45267	9627.8896252 ppb	#	76
64)	Fluorene	5.54	166	256925	10139.6783842 ppb		97
65)	4-Chlorophenyl-phenylether	5.54	204	121190	10085.5561793 ppb		97
66)	Diethyl phthalate	5.44	149	247489	10594.0855044 ppb		99
67)	4-Nitroaniline	5.56	138	65508	12287.5656579 ppb	#	84
68)	Azobenzene	5.66	77	297244	12755.6777858 ppb		93
71)	4,6-Dinitro-2-methylphenol	5.58	198	37511	9563.0231518 ppb		99
72)	N-Nitrosodiphenylamine	5.62	169	211635	9577.4859602 ppb		97
74)	4-Bromophenyl-phenylether	5.91	248	72523	10112.5929308 ppb	#	81
75)	Hexachlorobenzene	5.96	284	77452	9706.0758801 ppb		98
76)	n-octadecane	6.15	55	48116	10814.2343337 ppb	#	96
77)	Pentachlorophenol	6.12	266	38231	8678.9089734 ppb		98
78)	Phenanthrene	6.28	178	384570	10051.4266576 ppb		96
79)	Anthracene	6.32	178	388432	10029.9451799 ppb		100
80)	Carbazole	6.45	167	353123	9993.7408883 ppb		98
81)	Di-n-butyl phthalate	6.71	149	434009	10491.9411679 ppb		98
83)	Fluoranthene	7.27	202	378397	9309.6678860 ppb		99
86)	Pyrene	7.49	202	390486	10117.3151564 ppb		98
88)	Benzylbutyl phthalate	8.22	149	171356	10857.8701556 ppb		93
90)	Benzo(a)anthracene	8.99	228	347193	10051.9932243 ppb		98
91)	Chrysene	9.05	228	348883	10422.9918589 ppb		99
92)	bis(2-Ethylhexyl)phthalate	9.08	149	240106	11045.4381754 ppb		98
93)	Di-n-octyl phthalate	10.28	149	361907	10021.6890694 ppb		99
95)	Benzo(b)fluoranthene	10.90	252	334061	9424.0897312 ppb		99
96)	Benzo(k)fluoranthene	10.96	252	351862	10077.4373458 ppb		96
97)	Benzo(a)pyrene	11.55	252	295004	9608.8207390 ppb		94
98)	Indeno(1,2,3-cd)pyrene	13.68	276	275571	9135.8130051 ppb		97
99)	Dibenz(a,h)anthracene	13.73	278	313847	9762.7192535 ppb		97
100)	Benzo(g,h,i)perylene	14.03	276	325162	10356.9766358 ppb		95

(#) = qualifier out of range (m) = manual integration

Data File : C:\MSDCHEM\1\DATA\050422B\0504B 03.D Vial: 3
Acq On : 4 May 2022 8:09 pm Operator: 3545
Sample : ICV SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 5 16:03 2022 Quant Results File: S804E04BV.RES

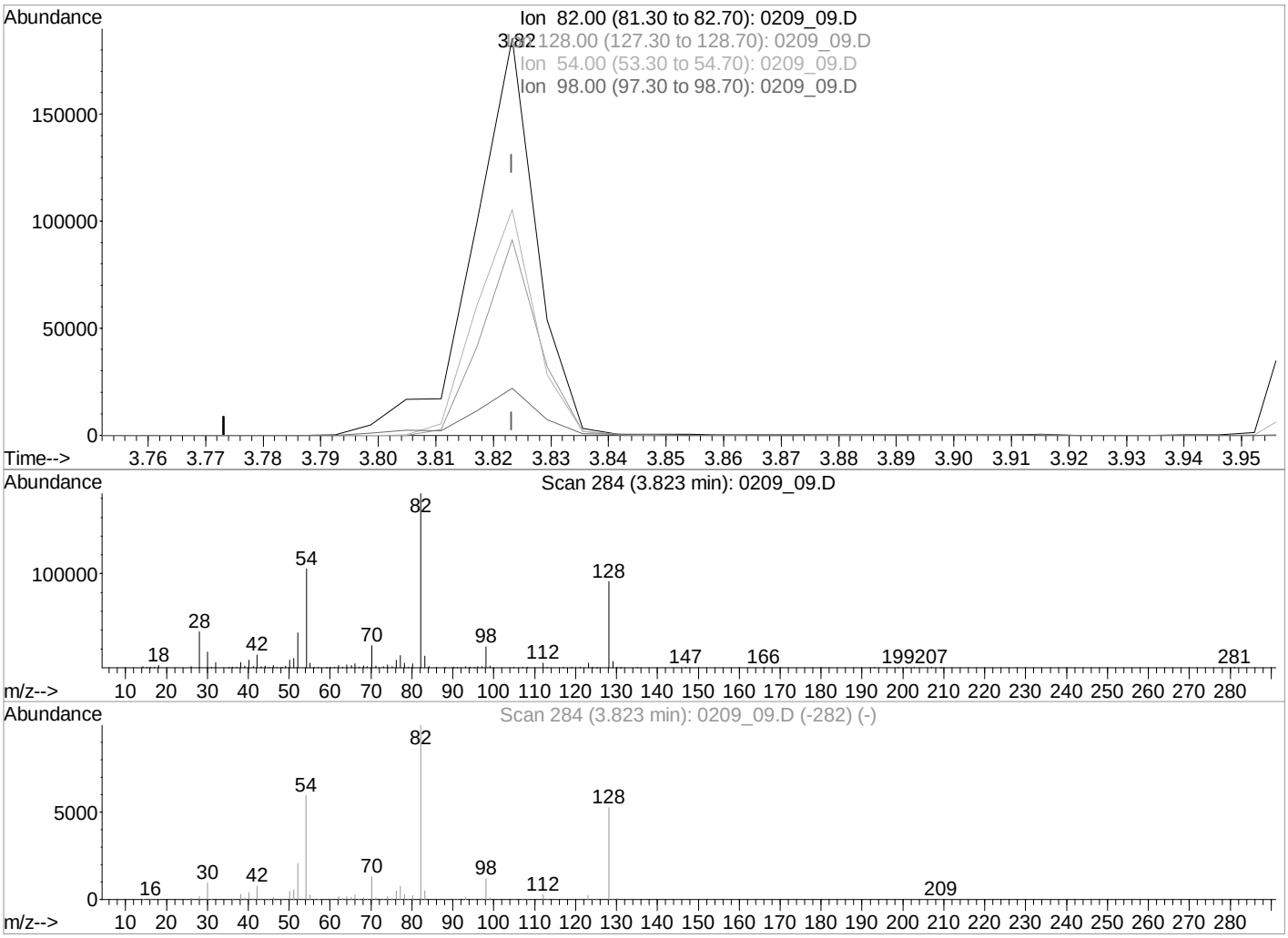
Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 09.D Vial: 6
Acq On : 9 Feb 2022 11:46 am Operator: 917
Sample : MSTD SVMS 10K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 11:46 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 11:39:40 2022
Response via : Multiple Level Calibration



TIC: 0209_09.D

(24) Nitrobenzene-d5 (S)

3.82min (0.000) 11153.2092574 ppb

Qvalue = 100

response 140768

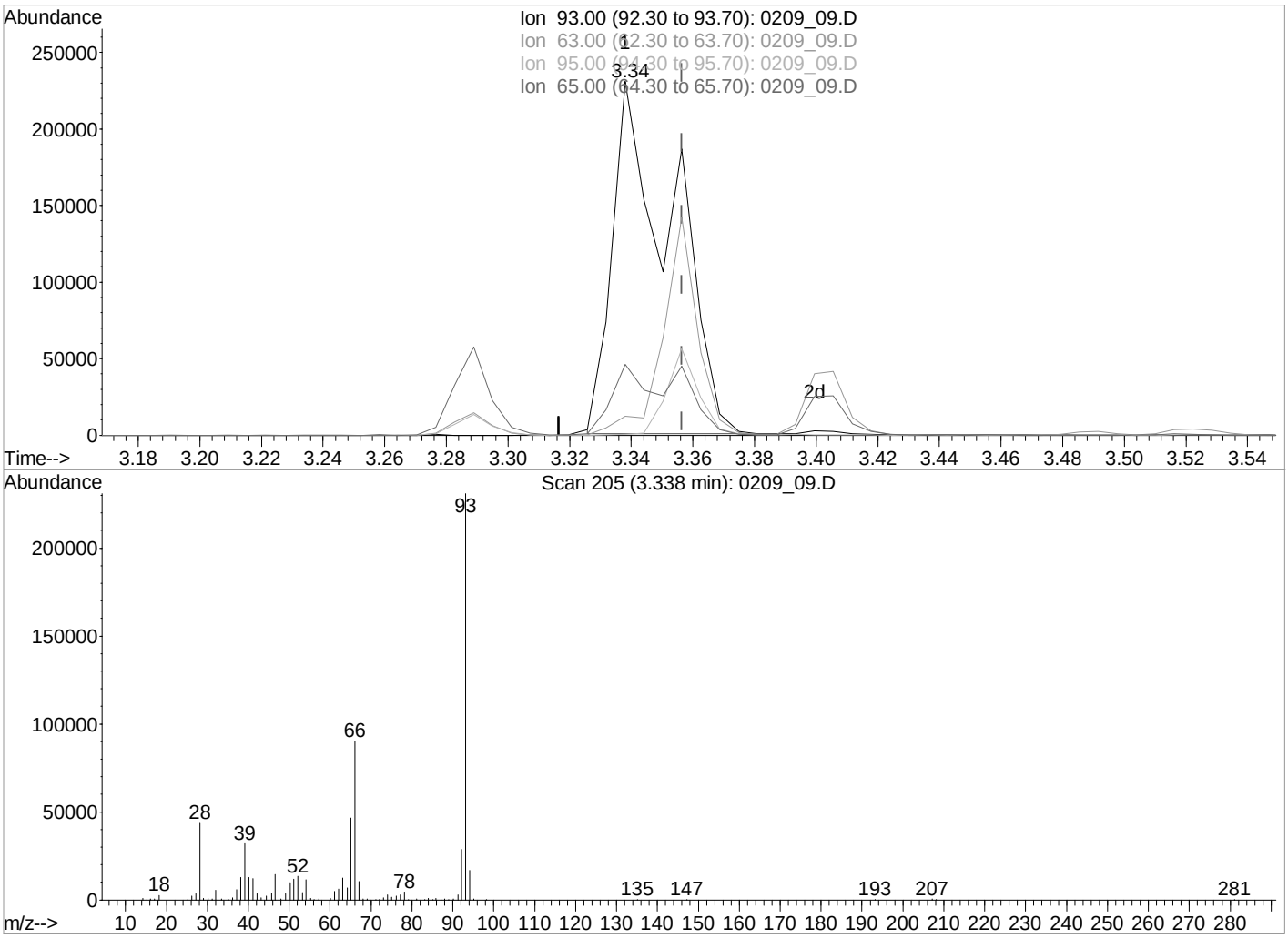
Ion	Exp%	Act%
82.00	100	100
128.00	49.30	49.28
54.00	56.90	56.86
98.00	11.80	11.80

0209_09.D S804B09V.M Mon Feb 14 11:48:43 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 09.D Vial: 6
Acq On : 9 Feb 2022 11:46 am Operator: 917
Sample : MSTD SVMS 10K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 11:48 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:49:28 2022
Response via : Multiple Level Calibration



TIC: 0209_09.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.018) 29901.8981212 ppb

Qvalue = 37

response 308767

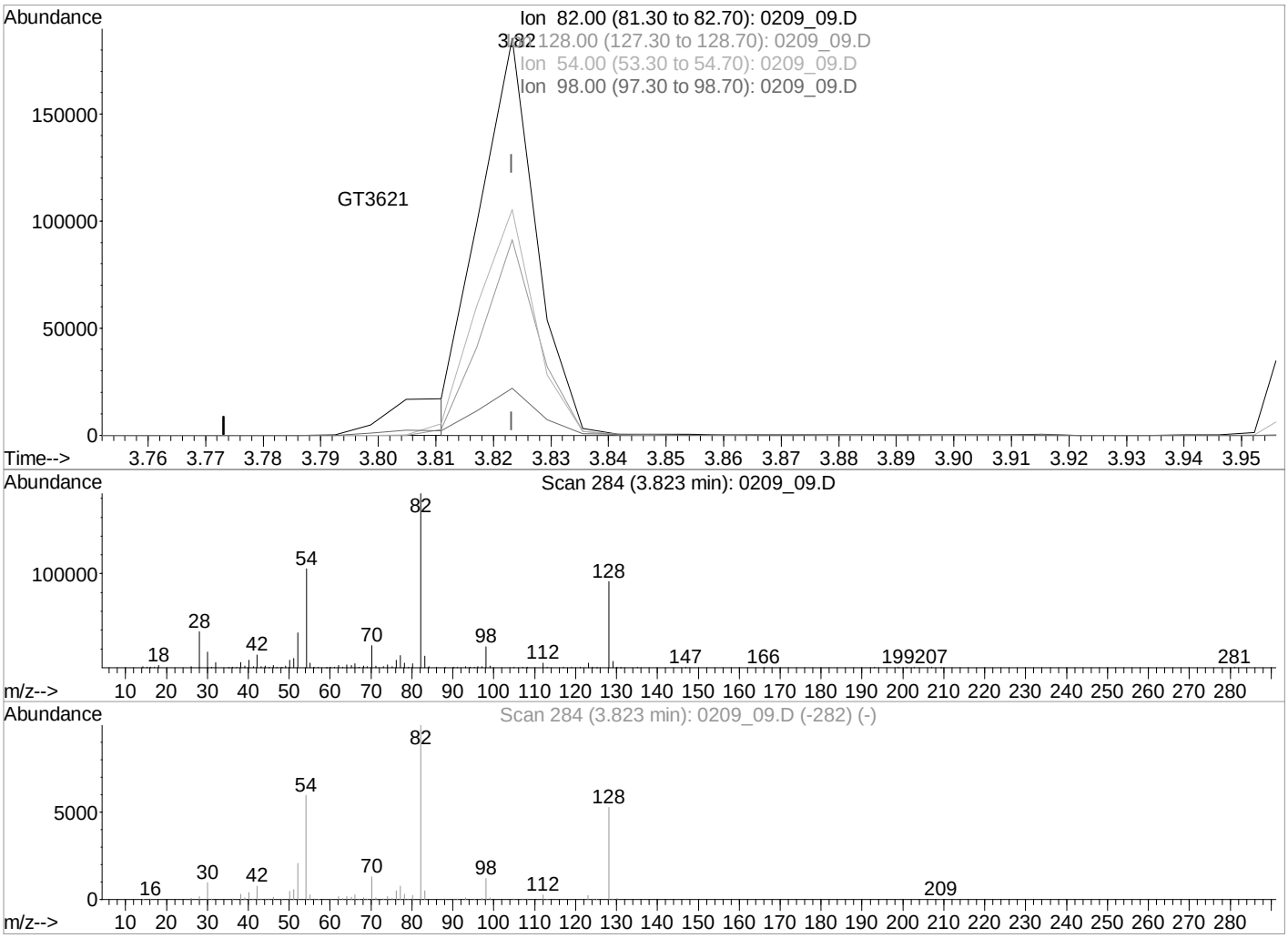
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.25#
95.00	30.20	0.25#
65.00	24.00	19.97

0209_09.D S804B09V.M Mon Feb 14 15:50:53 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 09.D Vial: 6
Acq On : 9 Feb 2022 11:46 am Operator: 917
Sample : MSTD SVMS 10K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 11:48 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 11:39:40 2022
Response via : Multiple Level Calibration



TIC: 0209_09.D

(24) Nitrobenzene-d5 (S)

3.82min (0.000) 9983.3614604 ppb m

response 126003

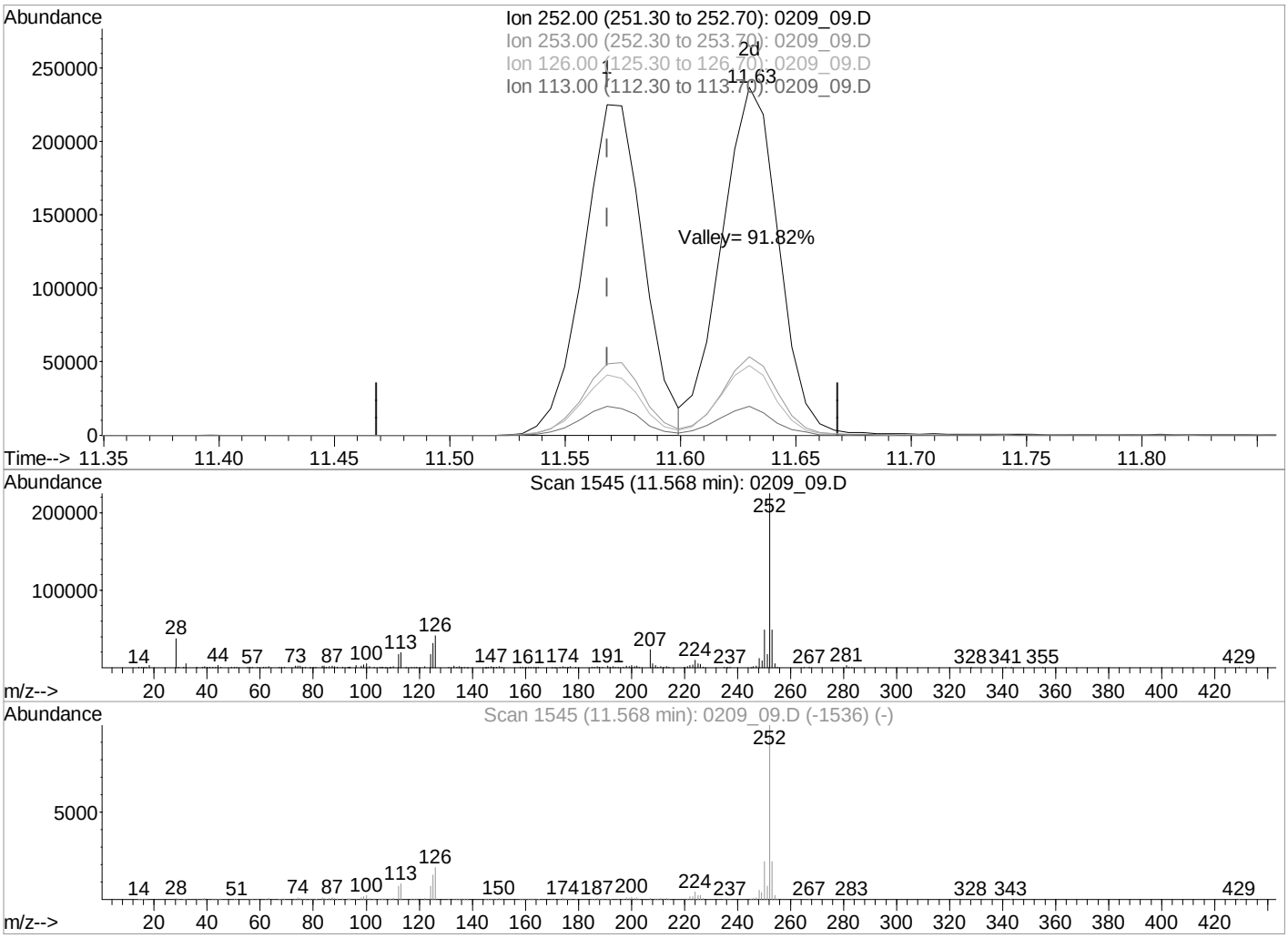
Ion	Exp%	Act%
82.00	100	100
128.00	49.30	49.28
54.00	56.90	56.86
98.00	11.80	11.80

0209_09.D S804B09V.M Mon Feb 14 11:48:56 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 09.D Vial: 6
Acq On : 9 Feb 2022 11:46 am Operator: 917
Sample : MSTD SVMS 10K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 11:48 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 11:39:40 2022
Response via : Multiple Level Calibration



TIC: 0209_09.D

(95) Benzo(b)fluoranthene (MT)

11.57min (0.000) 10000.0000000 ppb

Qvalue = 100

response 408147

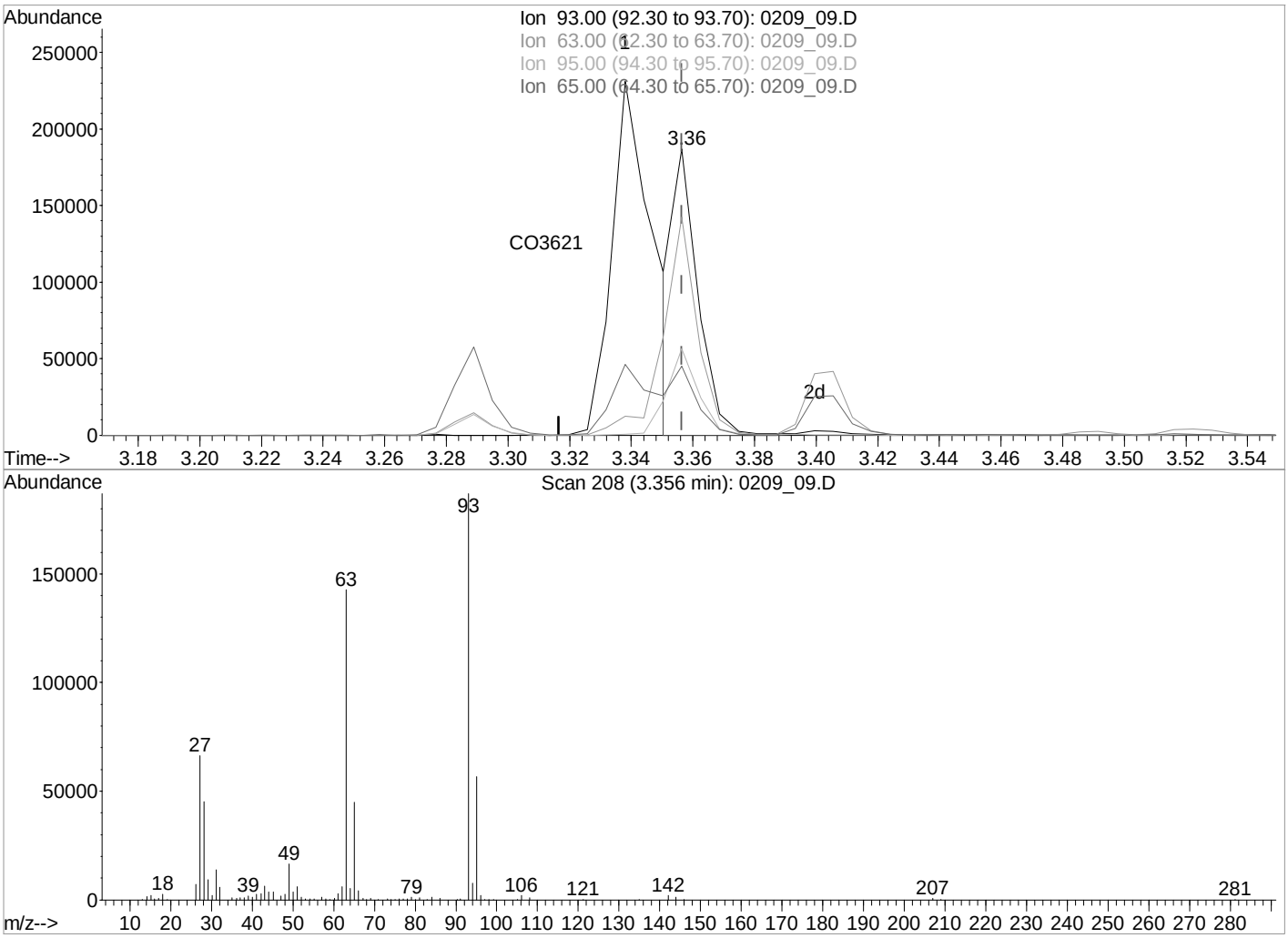
Ion	Exp%	Act%
252.00	100	100
253.00	21.60	21.58
126.00	18.30	18.28
113.00	8.80	8.83

0209_09.D S804B09V.M Mon Feb 14 11:53:36 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 09.D Vial: 6
Acq On : 9 Feb 2022 11:46 am Operator: 917
Sample : MSTD SVMS 10K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:51 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:49:28 2022
Response via : Multiple Level Calibration



TIC: 0209_09.D

(6) bis(2-Chloroethyl)ether (MT)

3.36min (0.000) 10000.0000000 ppb m

response 103260

Ion	Exp%	Act%
93.00	100	100
63.00	76.20	76.22
95.00	30.20	30.24
65.00	24.00	24.04

0209_09.D S804B09V.M Mon Feb 14 15:51:08 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 10.D Vial: 7
Acq On : 9 Feb 2022 12:07 pm Operator: 917
Sample : STD SVMS 20K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:56 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:33:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	86208	8000.00 ppb	0.00
23) Naphthalene-d8	4.26	136	347138	8000.00 ppb	0.00
46) Acenaphthene-d10	5.44	164	183569	8000.00 ppb	0.00
70) Phenanthrene-d10	6.57	188	330840	8000.00 ppb	0.00
84) Chrysene-d12	9.54	240	285073	8000.00 ppb	0.01
94) Perylene-d12	12.39	264	302743	8000.00 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.85	112	272239	18661.6543157 ppb	0.00
Spiked Amount 666.000			Recovery = 2802.05%		
7) Phenol-d5	3.28	99	324364	18496.6942819 ppb	0.00
Spiked Amount 666.000			Recovery = 2777.28%		
24) Nitrobenzene-d5	3.82	82	295460	19368.4291281 ppb	0.00
Spiked Amount 333.000			Recovery = 5816.35%		
50) 2-Fluorobiphenyl	4.95	172	586401	17903.9561881 ppb	0.00
Spiked Amount 333.000			Recovery = 5376.56%		
73) 2,4,6-Tribromophenol	6.03	330	77136	22666.6083724 ppb	0.00
Spiked Amount 666.000			Recovery = 3403.39%		
87) p-Terphenyl-d14	8.04	244	789163	20272.1352079 ppb	0.00
Spiked Amount 333.000			Recovery = 6087.73%		
Target Compounds					Qvalue
2) Pyridine	2.30	79	261928	19542.3134867 ppb	96
3) N-Nitrosodimethylamine	2.29	42	136057	17864.3509858 ppb	95
5) Aniline	3.34	66	154541	18585.4791613 ppb	96
6) bis(2-Chloroethyl)ether	3.36	93	232095m	9847.6121887 ppb	
8) Phenol	3.29	94	342395	18553.0677715 ppb	100
10) 2-Chlorophenol	3.41	128	272840	18496.2866686 ppb	99
11) n-Decane	3.40	41	157445	17389.9510473 ppb	99
12) 1,3-Dichlorobenzene	3.49	146	306344	18199.5524043 ppb	98
13) 1,4-Dichlorobenzene	3.53	146	320047	18479.3195352 ppb	99
14) Benzyl Alcohol	3.58	79	215987	19320.0163386 ppb	100
15) 1,2-Dichlorobenzene	3.61	146	293093	18376.6949746 ppb	98
16) bis(2-Chloroisopropyl)ethe	3.65	121	96264	17046.2821911 ppb #	60
17) 2,2-oxybis(1-chloropropane	3.65	121	96264	17046.2821911 ppb #	60
18) 2-Methylphenol	3.62	108	248477	18585.3987464 ppb	98
19) Hexachloroethane	3.80	117	117446	18955.2970174 ppb	99
20) N-Nitrosodi-n-propylamine	3.72	70	181180	18494.1786409 ppb	94
21) 3&4-Methyl phenol	3.71	107	282323	18610.6871902 ppb	98
25) Nitrobenzene	3.84	77	277783	18685.5725230 ppb	99
26) Isophorone	3.97	82	502937	19075.1991737 ppb	92
27) 2-Nitrophenol	4.02	139	143139	20204.6602031 ppb	98
28) 2,4-Dimethylphenol	4.01	107	257480	18549.1054427 ppb	100
29) bis(2-Chlorethoxy)methane	4.08	93	312005	17922.1424470 ppb	99
30) 2,4-Dichlorophenol	4.15	162	221280	19202.5171699 ppb	97
32) 1,2,4-Trichlorobenzene	4.22	180	241090	18087.6469240 ppb	98
34) Naphthalene	4.27	128	844829	18259.7283814 ppb	100
35) 4-Chloroaniline	4.29	65	98492	18538.6186811 ppb	96
36) Hexachloro-1,3-butadiene	4.34	225	131833	18272.6824704 ppb	96
40) 4-Chloro-3-methylphenol	4.58	107	224609	19504.8371308 ppb	97
41) 2-Methylnaphthalene	4.71	142	542000	18003.1584047 ppb	100
42) 1-Methylnaphthalene	4.78	142	513619	18228.4010365 ppb	100
47) Hexachlorocyclopentadiene	4.81	237	168652	19525.3320136 ppb	98
48) 2,4,6-Trichlorophenol	4.89	196	150293	18865.1085833 ppb	99
49) 2,4,5-Trichlorophenol	4.91	196	167246	19927.2482835 ppb	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 10.D Vial: 7
Acq On : 9 Feb 2022 12:07 pm Operator: 917
Sample : STD SVMS 20K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:56 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:33:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

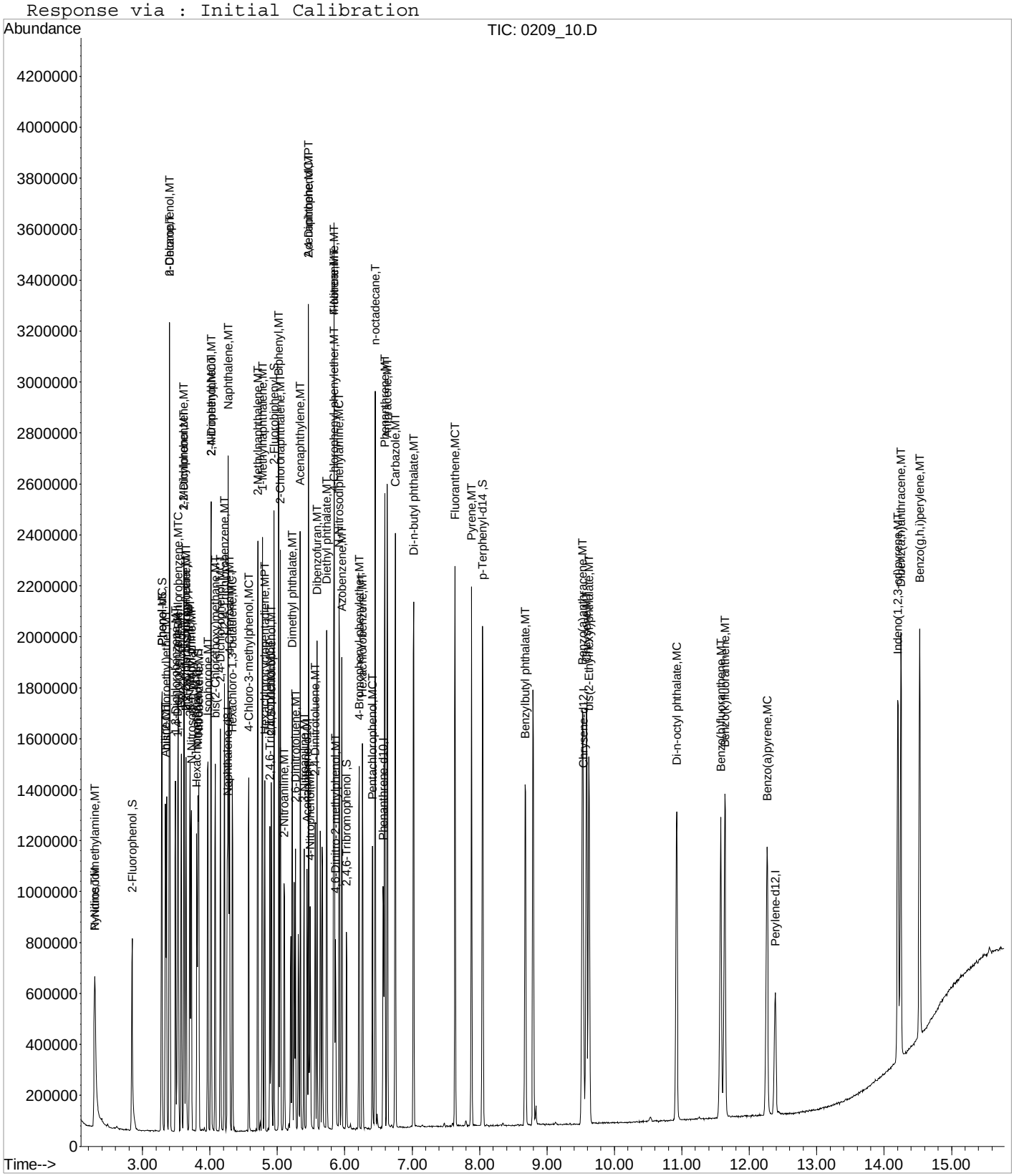
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	Biphenyl	5.02	154	647595	17888.5309328	ppb		100
52)	2-Chloronaphthalene	5.05	162	500906	18068.1297005	ppb		99
53)	2-Nitroaniline	5.11	138	166348	21452.1290308	ppb		100
54)	Acenaphthylene	5.34	152	788960	18919.6543485	ppb		100
55)	Dimethyl phthalate	5.22	163	534597	19479.6555890	ppb		95
56)	2,6-Dinitrotoluene	5.27	165	129766	21567.5036117	ppb	#	79
57)	3-Nitroaniline	5.40	138	140498	22117.3384802	ppb	#	85
58)	Acenaphthene	5.46	153	508839	18134.1011029	ppb		99
59)	2,4-Dinitrophenol	5.47	184	62248	30503.8465152	ppb	#	8
60)	Dibenzofuran	5.59	168	713375	18240.2762900	ppb		99
61)	2,4-Dinitrotoluene	5.56	165	167911	23398.2738002	ppb		94
63)	4-Nitrophenol	5.49	139	116283	22354.0769151	ppb		90
64)	Fluorene	5.84	166	578867	18529.5764942	ppb		98
65)	4-Chlorophenyl-phenylether	5.83	204	271726	17962.4414075	ppb		98
66)	Diethyl phthalate	5.73	149	540003	19010.0642596	ppb		100
67)	4-Nitroaniline	5.84	138	139219	21654.3738027	ppb		98
68)	Azobenzene	5.95	77	538003	18780.1955363	ppb		100
71)	4,6-Dinitro-2-methylphenol	5.86	198	86560	28504.1559685	ppb		91
72)	N-Nitrosodiphenylamine	5.92	169	483553	19435.6144222	ppb		99
74)	4-Bromophenyl-phenylether	6.21	248	158468	19591.0940675	ppb		99
75)	Hexachlorobenzene	6.26	284	171080	18685.5046189	ppb		98
76)	n-octadecane	6.45	55	93724	17633.1560311	ppb		98
77)	Pentachlorophenol	6.41	266	103486	24396.1140361	ppb		98
78)	Phenanthrene	6.59	178	834889	18436.2632779	ppb		99
79)	Anthracene	6.63	178	861133	19130.3122795	ppb		100
80)	Carbazole	6.75	167	789748	18989.7533321	ppb		100
81)	Di-n-butyl phthalate	7.02	149	923993	20402.1772648	ppb		100
83)	Fluoranthene	7.64	202	879416	18984.1216772	ppb		100
86)	Pyrene	7.88	202	923400	19934.4915246	ppb		99
88)	Benzylbutyl phthalate	8.68	149	392900	21875.2708207	ppb		95
90)	Benzo(a)anthracene	9.52	228	814305	19407.2635003	ppb		99
91)	Chrysene	9.58	228	783536	19067.5727386	ppb		98
92)	bis(2-Ethylhexyl)phthalate	9.62	149	543287	22108.5689402	ppb		99
93)	Di-n-octyl phthalate	10.92	149	917409	23020.5211479	ppb		99
95)	Benzo(b)fluoranthene	11.57	252	833715	18841.8209418	ppb		100
96)	Benzo(k)fluoranthene	11.64	252	832949	19248.9008472	ppb		99
97)	Benzo(a)pyrene	12.26	252	744155	19933.4238986	ppb		99
98)	Indeno(1,2,3-cd)pyrene	14.20	276	743921	19873.7191700	ppb		97
99)	Dibenz(a,h)anthracene	14.25	278	777012m	19311.3833174	ppb		
100)	Benzo(g,h,i)perylene	14.53	276	761773	18997.7471488	ppb		99

(#) = qualifier out of range (m) = manual integration
0209_10.D S804B09V.M Mon Feb 14 15:57:34 2022 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 10.D Vial: 7
Acq On : 9 Feb 2022 12:07 pm Operator: 917
Sample : STD SVMS 20K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:56 2022 Quant Results File: S804B09V.RES

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:53:30 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:00 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:40:00 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	86467	8000.00 ppb		0.00
23) Naphthalene-d8	4.26	136	338831	8000.00 ppb		0.00
46) Acenaphthene-d10	5.44	164	181617	8000.00 ppb		0.00
70) Phenanthrene-d10	6.57	188	323775	8000.00 ppb		0.00
84) Chrysene-d12	9.54	240	286155	8000.00 ppb		0.01
94) Perylene-d12	12.39	264	297513	8000.00 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.85	112	396904	27493.7551409 ppb		0.00
Spiked Amount 666.000			Recovery = 4128.19%			
7) Phenol-d5	3.28	99	479003	27648.7325708 ppb		0.00
Spiked Amount 666.000			Recovery = 4151.46%			
24) Nitrobenzene-d5	3.82	82	437748	29586.2873557 ppb		0.00
Spiked Amount 333.000			Recovery = 8884.77%			
50) 2-Fluorobiphenyl	4.95	172	859895	27104.5580823 ppb		0.00
Spiked Amount 333.000			Recovery = 8139.51%			
73) 2,4,6-Tribromophenol	6.03	330	114484	33482.6410351 ppb		0.00
Spiked Amount 666.000			Recovery = 5027.42%			
87) p-Terphenyl-d14	8.05	244	1170779	29880.1096870 ppb		0.00
Spiked Amount 333.000			Recovery = 8973.01%			
Target Compounds						Qvalue
2) Pyridine	2.30	79	396351	29618.5269538 ppb		94
3) N-Nitrosodimethylamine	2.29	42	198133	26503.0481554 ppb		92
5) Aniline	3.34	66	225992	27485.7338400 ppb		95
6) bis(2-Chloroethyl)ether	3.36	93	361980m	14180.1077032 ppb		
8) Phenol	3.29	94	503929	27623.8813249 ppb		98
10) 2-Chlorophenol	3.41	128	404850	27781.0061873 ppb		99
11) n-Decane	3.40	41	230021	26008.7813892 ppb		100
12) 1,3-Dichlorobenzene	3.49	146	453285	27340.7451256 ppb		97
13) 1,4-Dichlorobenzene	3.53	146	467492	27327.4140627 ppb		99
14) Benzyl Alcohol	3.58	79	321645	28881.3226194 ppb		100
15) 1,2-Dichlorobenzene	3.61	146	429368	27283.2803134 ppb		98
16) bis(2-Chloroisopropyl)ethe	3.65	121	143314	26071.8989188 ppb	#	61
17) 2,2-oxybis(1-chloropropane	3.65	121	143314	26071.8989188 ppb	#	61
18) 2-Methylphenol	3.62	108	367051	27764.9362732 ppb		99
19) Hexachloroethane	3.80	117	171733	27925.7118393 ppb		97
20) N-Nitrosodi-n-propylamine	3.72	70	265139	27395.8653183 ppb		97
21) 3&4-Methyl phenol	3.71	107	417216	27806.7541719 ppb		98
25) Nitrobenzene	3.84	77	406583	28393.2636833 ppb		99
26) Isophorone	3.97	82	744063	29182.2832651 ppb		95
27) 2-Nitrophenol	4.02	139	215234	31062.4386869 ppb		97
28) 2,4-Dimethylphenol	4.02	107	384614	28805.1997458 ppb		95
29) bis(2-Chlorethoxy)methane	4.08	93	456276	27421.6832015 ppb		98
30) 2,4-Dichlorophenol	4.15	162	325979	29214.7349032 ppb		95
32) 1,2,4-Trichlorobenzene	4.22	180	348647	27320.8062112 ppb		98
34) Naphthalene	4.27	128	1231112	27743.8370133 ppb		100
35) 4-Chloroaniline	4.29	65	145575	28488.9054183 ppb		98
36) Hexachloro-1,3-butadiene	4.34	225	192487	27814.1495195 ppb		96
40) 4-Chloro-3-methylphenol	4.58	107	332331	29713.9819067 ppb		96
41) 2-Methylnaphthalene	4.71	142	798214	27717.0946035 ppb		99
42) 1-Methylnaphthalene	4.78	142	749807	27754.8528533 ppb		99
47) Hexachlorocyclopentadiene	4.81	237	252254	29658.8428408 ppb		97
48) 2,4,6-Trichlorophenol	4.89	196	239963	30793.8957639 ppb		99
49) 2,4,5-Trichlorophenol	4.92	196	233799	28176.8965672 ppb		90

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:00 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:40:00 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

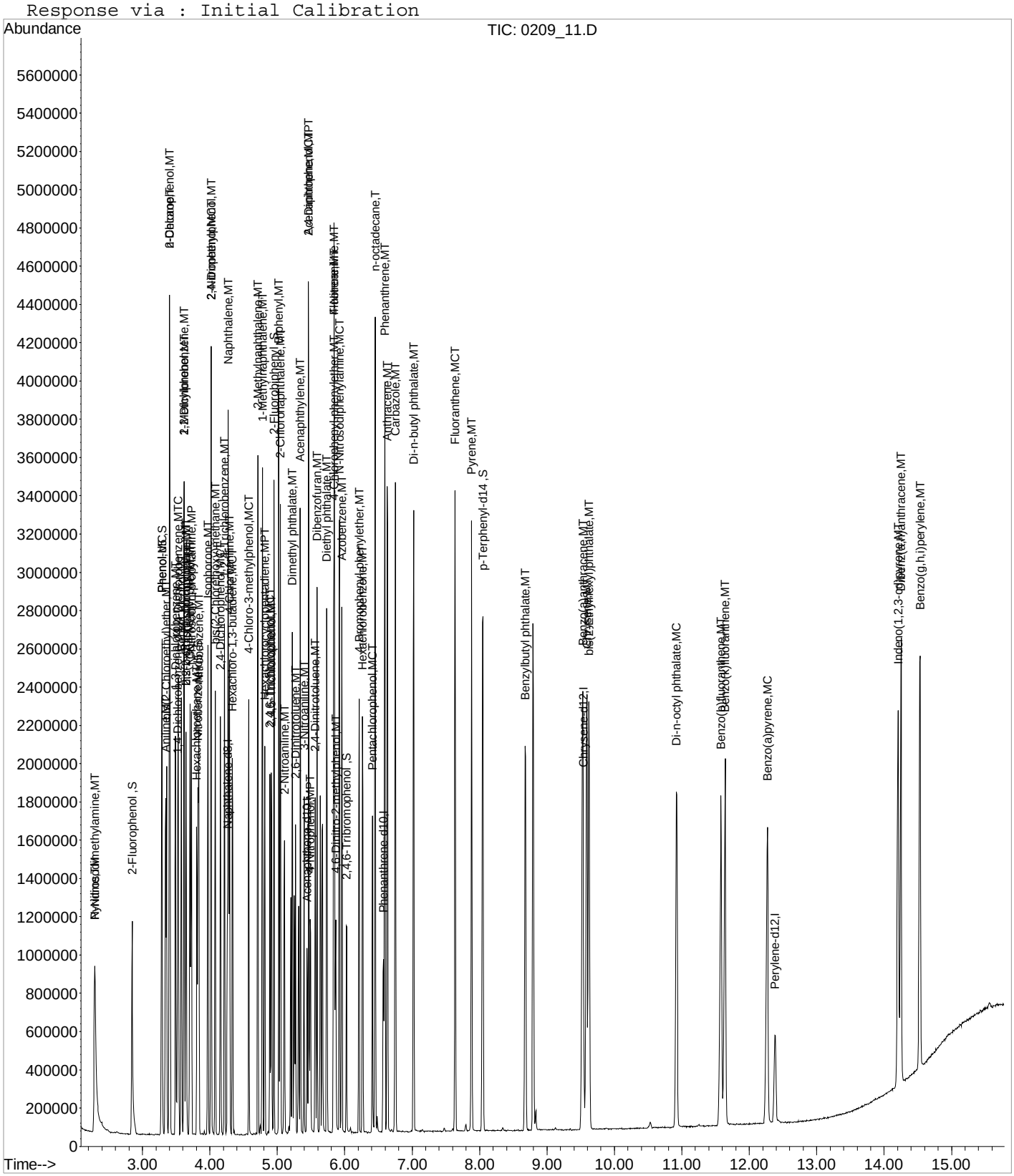
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	Biphenyl	5.02	154	954298	27218.6284076	ppb		100
52)	2-Chloronaphthalene	5.05	162	729917	27135.9728440	ppb		99
53)	2-Nitroaniline	5.11	138	252000	32376.8830601	ppb		99
54)	Acenaphthylene	5.34	152	1177864	28861.1488889	ppb		100
55)	Dimethyl phthalate	5.22	163	798035	29545.0865909	ppb		98
56)	2,6-Dinitrotoluene	5.27	165	195650	32359.8783339	ppb		87
57)	3-Nitroaniline	5.40	138	214569	33432.8235967	ppb		92
58)	Acenaphthene	5.46	153	761361	27946.6119578	ppb		100
59)	2,4-Dinitrophenol	5.47	184	103583	46428.3381283	ppb	#	5
60)	Dibenzofuran	5.59	168	1040729	27378.1723117	ppb		100
61)	2,4-Dinitrotoluene	5.56	165	250004	34055.0234732	ppb		91
63)	4-Nitrophenol	5.49	139	179386	34053.8922654	ppb		94
64)	Fluorene	5.84	166	862949	28336.6208660	ppb		98
65)	4-Chlorophenyl-phenylether	5.83	204	395130	26949.9161147	ppb		98
66)	Diethyl phthalate	5.73	149	813472	29234.3554715	ppb		99
67)	4-Nitroaniline	5.85	138	203025	31398.8262569	ppb		98
68)	Azobenzene	5.95	77	792154	28294.2375148	ppb		99
71)	4,6-Dinitro-2-methylphenol	5.87	198	135786	42108.9352390	ppb		92
72)	N-Nitrosodiphenylamine	5.92	169	724399	29920.2193573	ppb		99
74)	4-Bromophenyl-phenylether	6.21	248	234282	29717.3604968	ppb		98
75)	Hexachlorobenzene	6.27	284	257996	29176.9503169	ppb		98
76)	n-octadecane	6.45	55	136953	26966.7219366	ppb		98
77)	Pentachlorophenol	6.41	266	156898	36203.1890934	ppb		96
78)	Phenanthrene	6.59	178	1222718	28027.8670594	ppb		99
79)	Anthracene	6.64	178	1260001	28852.9977991	ppb		100
80)	Carbazole	6.75	167	1111930	27598.9585677	ppb		99
81)	Di-n-butyl phthalate	7.02	149	1387515	31180.0704196	ppb		100
83)	Fluoranthene	7.64	202	1317288	29355.2678784	ppb		100
86)	Pyrene	7.88	202	1371296	29511.1301678	ppb		99
88)	Benzylbutyl phthalate	8.68	149	589200	32078.9480949	ppb		96
90)	Benzo(a)anthracene	9.53	228	1211731	28941.4341701	ppb		99
91)	Chrysene	9.59	228	1161595	28425.9125421	ppb		99
92)	bis(2-Ethylhexyl)phthalate	9.62	149	821035	32597.5941135	ppb		99
93)	Di-n-octyl phthalate	10.92	149	1390793	33747.8146961	ppb		99
95)	Benzo(b)fluoranthene	11.58	252	1234766	28728.7906567	ppb		99
96)	Benzo(k)fluoranthene	11.64	252	1230724	29160.2102659	ppb		98
97)	Benzo(a)pyrene	12.27	252	1103829	30107.7078810	ppb		99
98)	Indeno(1,2,3-cd)pyrene	14.21	276	1064818	28983.0879255	ppb		98
99)	Dibenz(a,h)anthracene	14.25	278	1133383m	28860.8413210	ppb		
100)	Benzo(g,h,i)perylene	14.53	276	1087164	27868.5544106	ppb		94

(#) = qualifier out of range (m) = manual integration
0209_11.D S804B09V.M Mon Feb 14 16:00:15 2022 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:00 2022 Quant Results File: S804B09V.RES

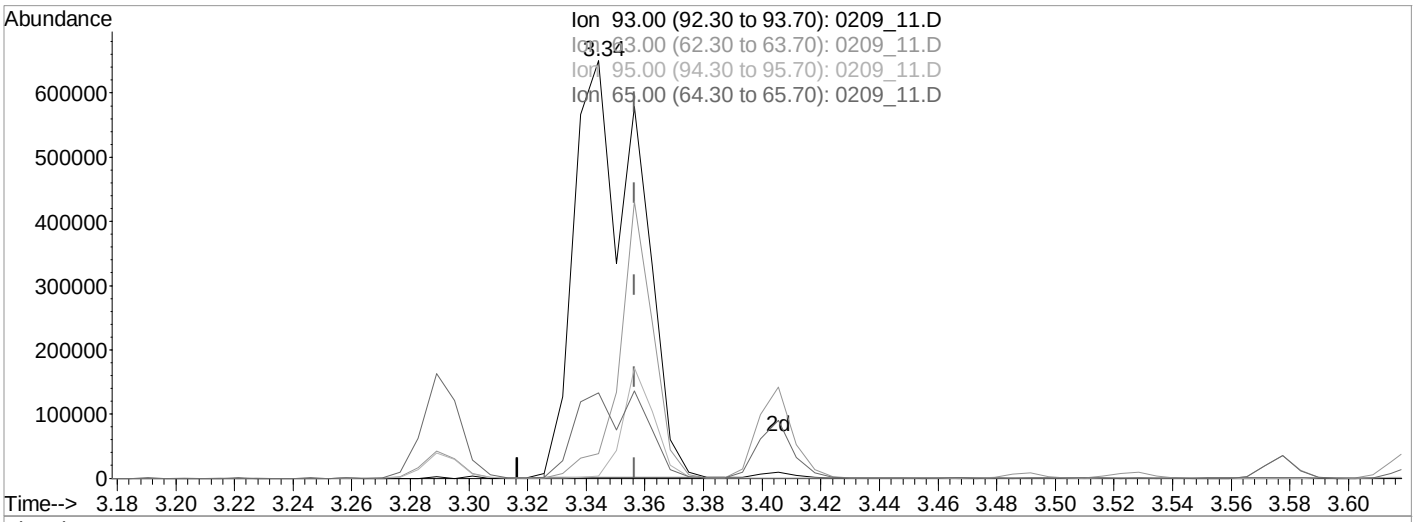
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:58:05 2022
Response via : Initial Calibration

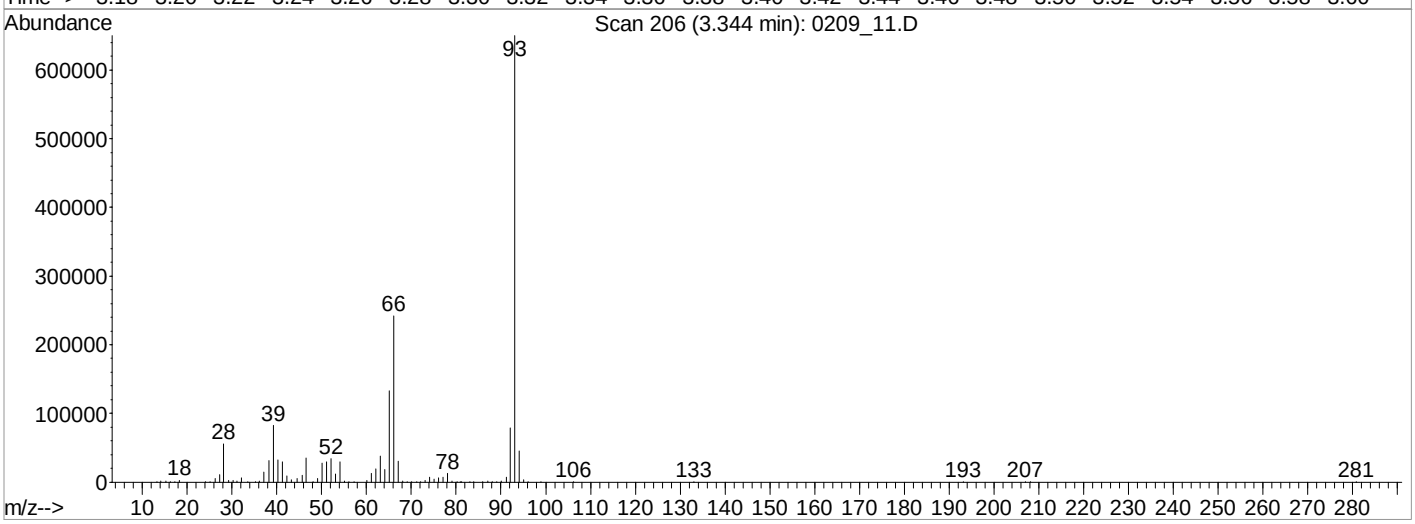


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 12:41 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:40:00 2022
Response via : Multiple Level Calibration





TIC: 0209_11.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.012) 38212.7225291 ppb

Qvalue = 38

response 975468

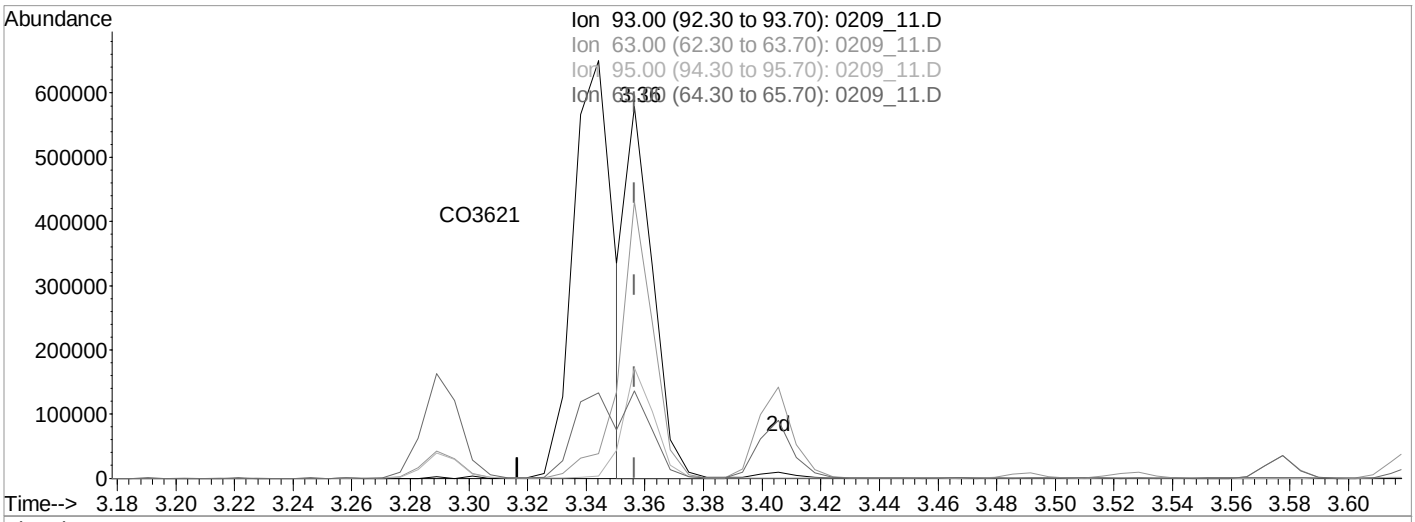
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.77#
95.00	30.20	0.50#
65.00	24.00	20.39

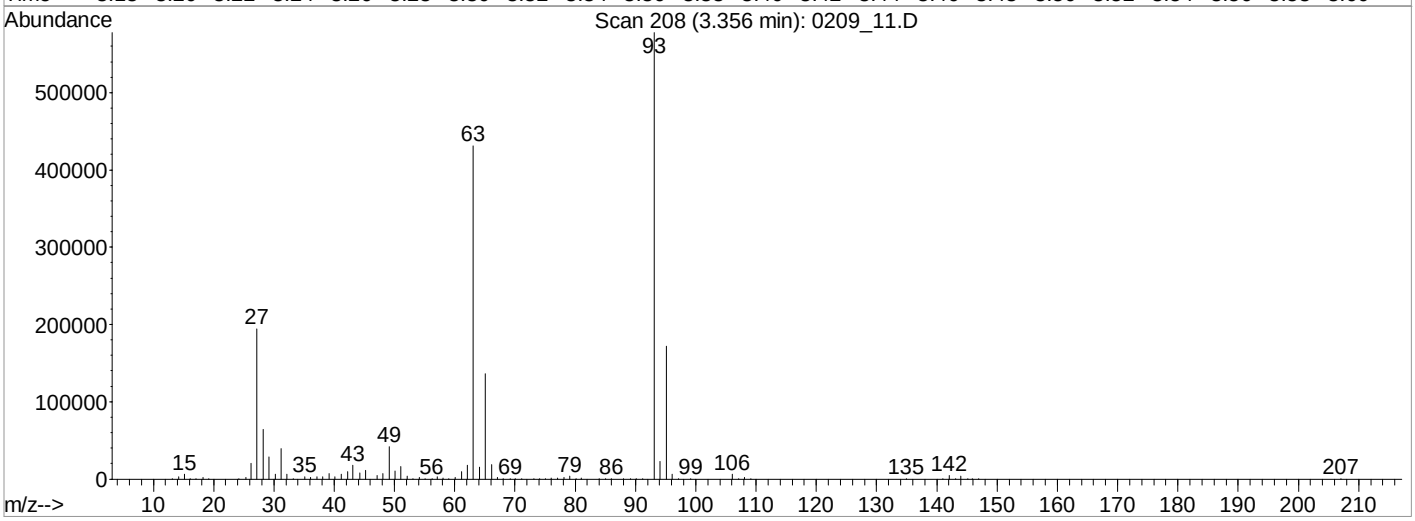
0209_11.D S804B09V.M Mon Feb 14 12:41:54 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 12:41 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:40:00 2022
Response via : Multiple Level Calibration





TIC: 0209_11.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.012) 38212.7225291 ppb

Qvalue = 38

response 975468

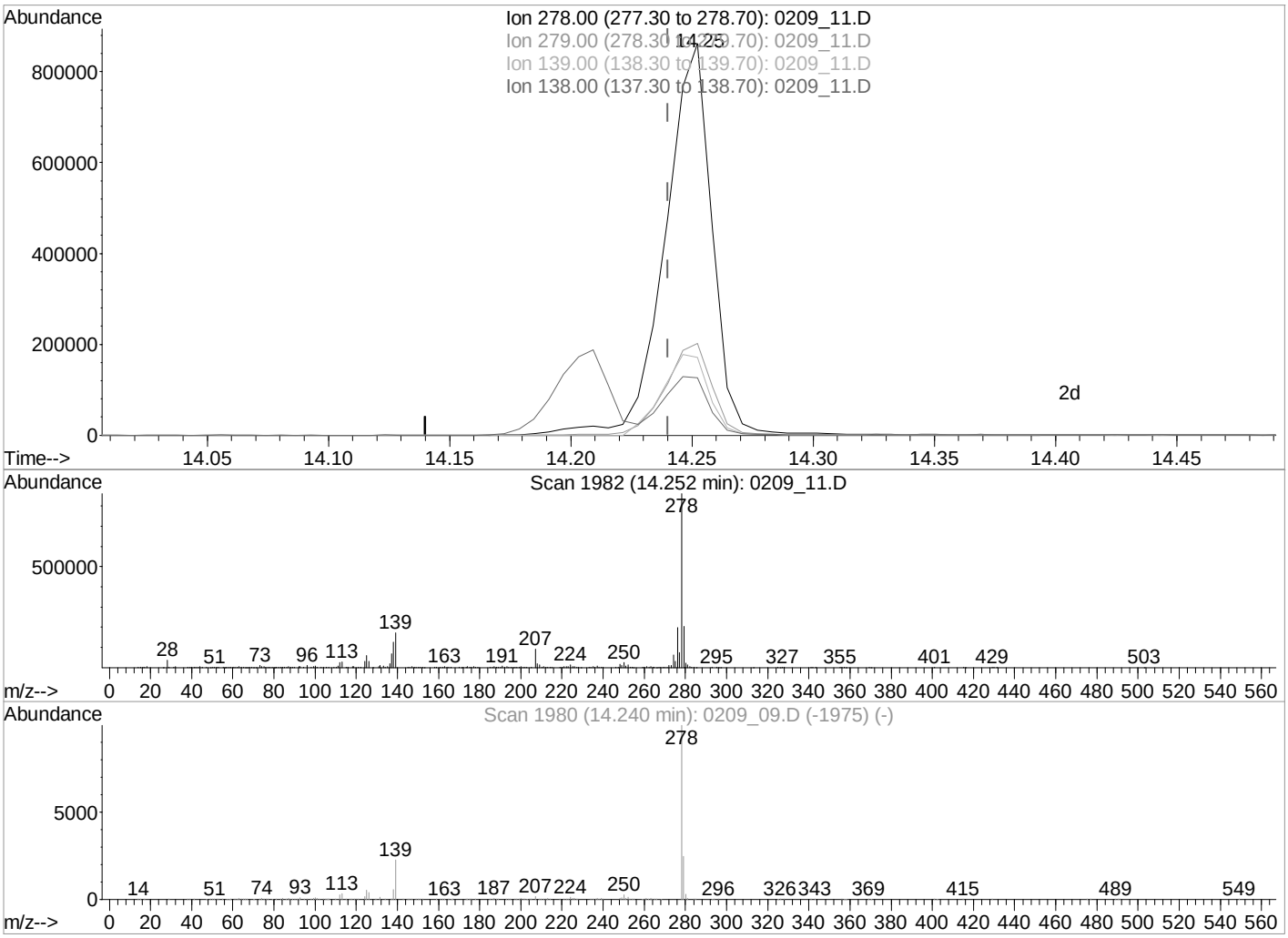
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.77#
95.00	30.20	0.50#
65.00	24.00	20.39

0209_11.D S804B09V.M Mon Feb 14 12:42:08 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 12:41 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:40:00 2022
Response via : Multiple Level Calibration



TIC: 0209_11.D

(99) Dibenz(a,h)anthracene (MT)

14.25min (+0.012) 29724.9225085 ppb

Qvalue = 96

response 1167316

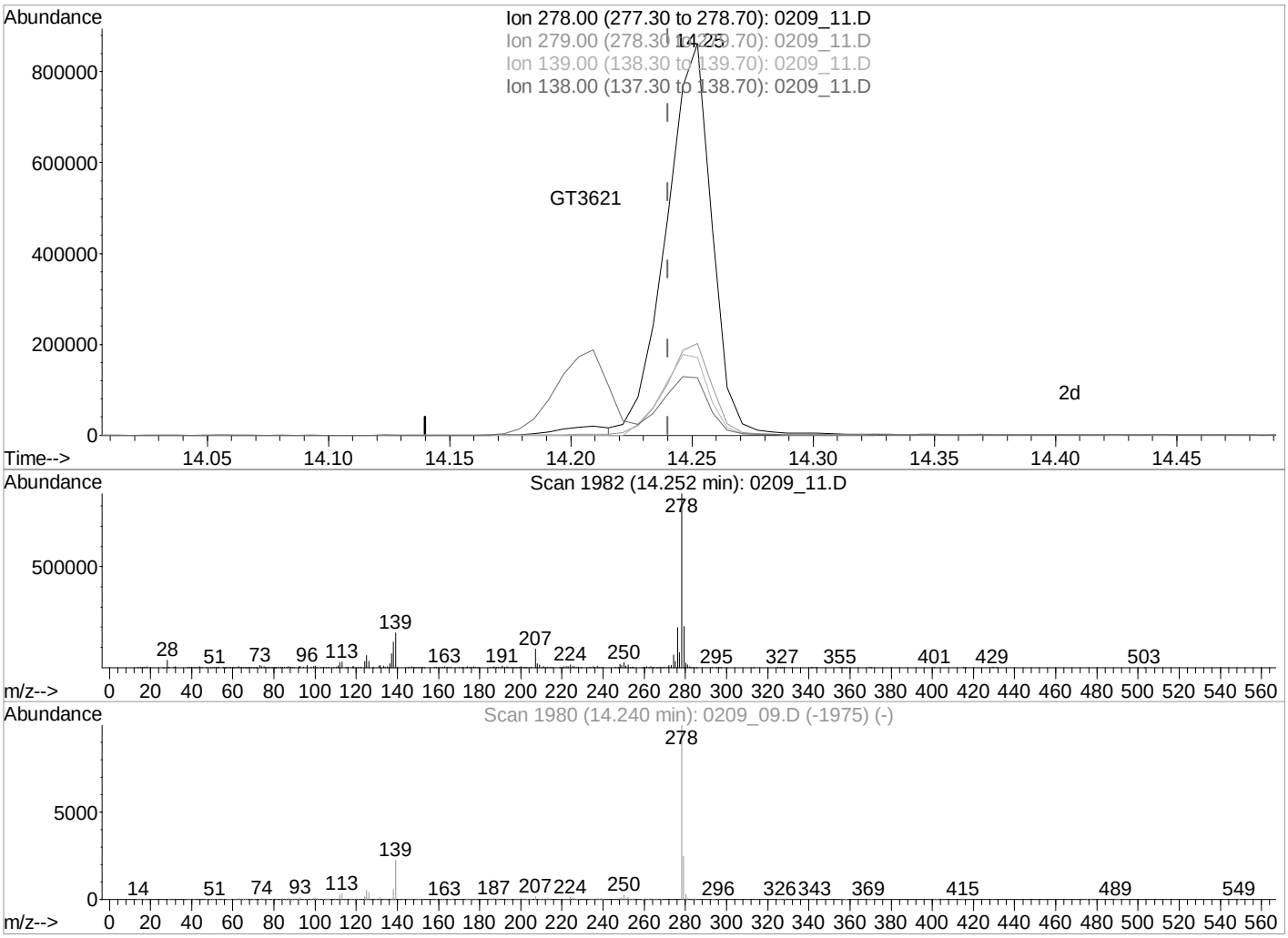
Ion	Exp%	Act%
278.00	100	100
279.00	24.40	23.43
139.00	22.10	19.81
138.00	16.70	14.55

0209_11.D S804B09V.M Mon Feb 14 12:45:49 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 12:46 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:40:00 2022
Response via : Multiple Level Calibration



TIC: 0209_11.D

(99) Dibenz(a,h)anthracene (MT)

14.25min (+0.012) 28882.0021811 ppb m

response 1134214

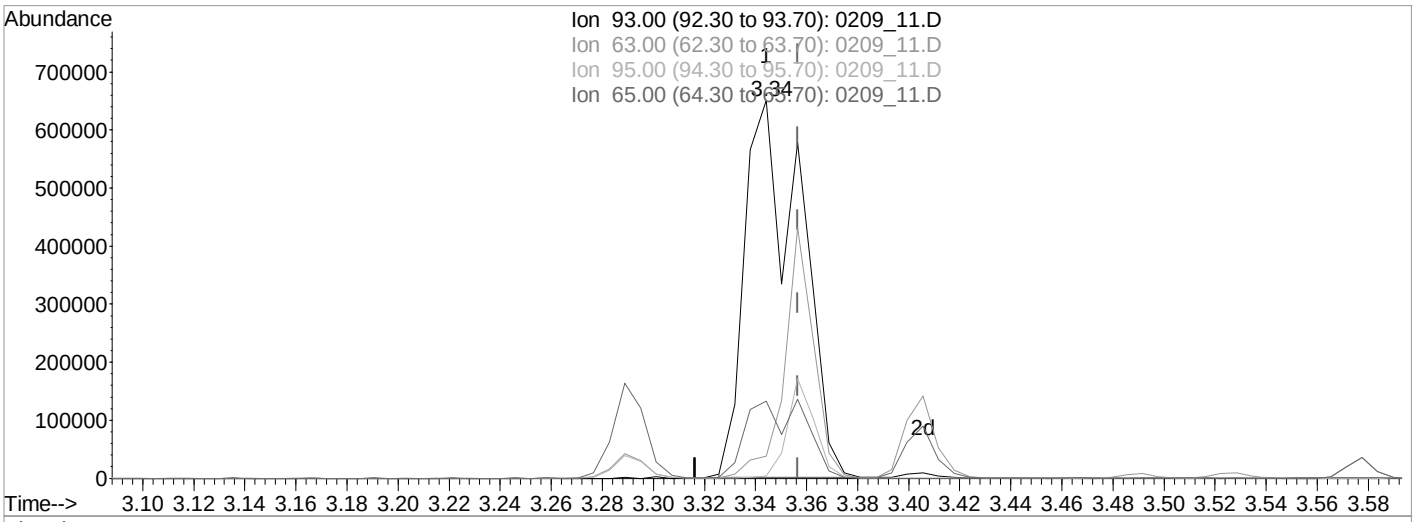
Ion	Exp%	Act%
278.00	100	100
279.00	24.40	23.46
139.00	22.10	19.84
138.00	16.70	14.59

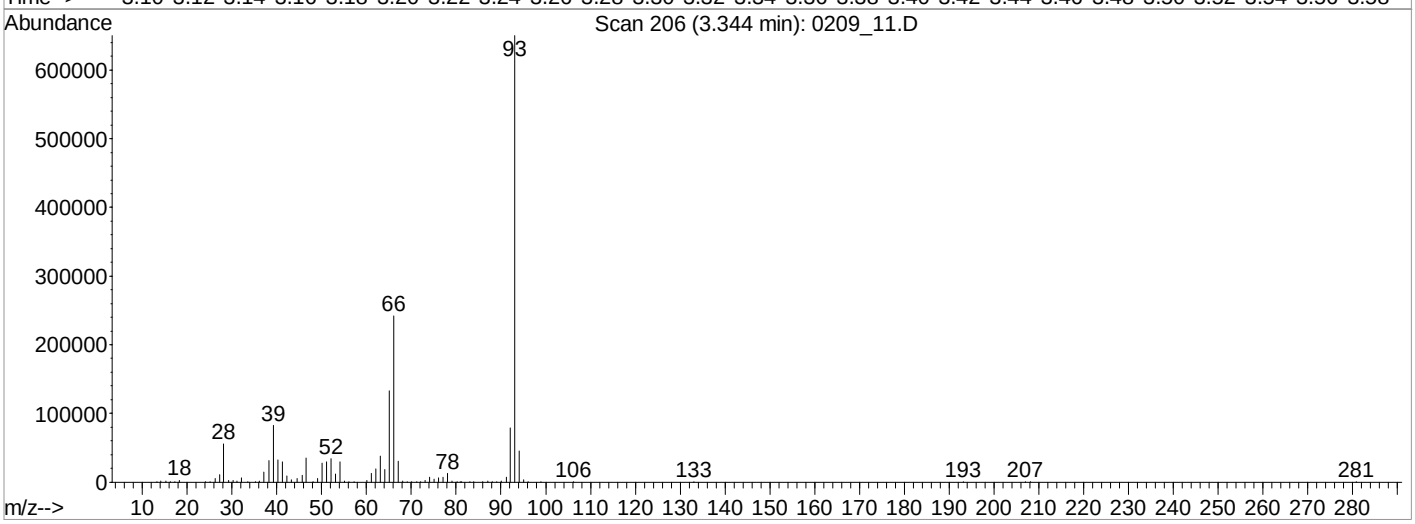
0209_11.D S804B09V.M Mon Feb 14 12:46:05 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 12:46 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:58:05 2022
Response via : Multiple Level Calibration





TIC: 0209_11.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.012) 38212.7225291 ppb

Qvalue = 38

response 975468

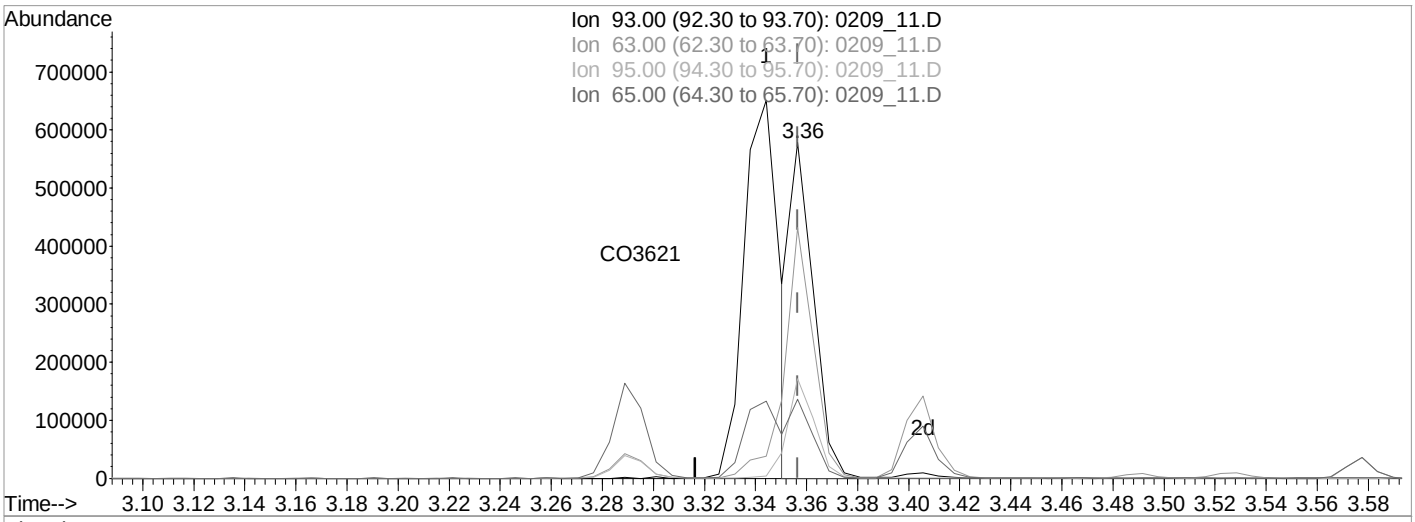
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.77#
95.00	30.20	0.50#
65.00	24.00	20.39

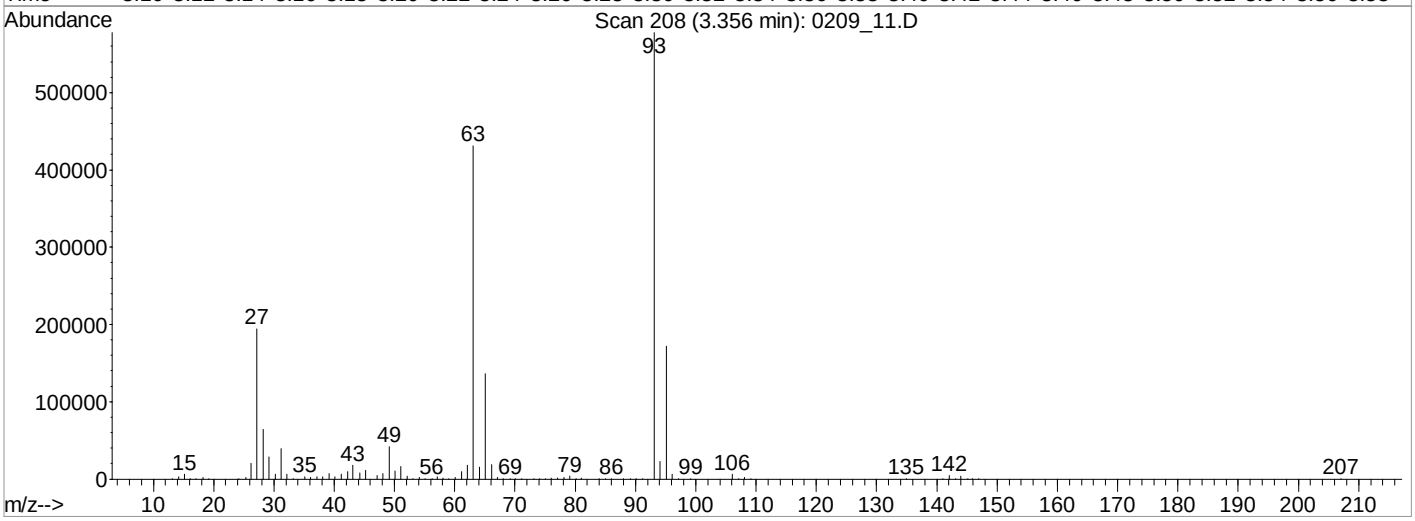
0209_11.D S804B09V.M Mon Feb 14 15:59:21 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:59 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:58:05 2022
Response via : Multiple Level Calibration





TIC: 0209_11.D

(6) bis(2-Chloroethyl)ether (MT)

3.36min (-0.000) 14180.1077032 ppb m

response 361980

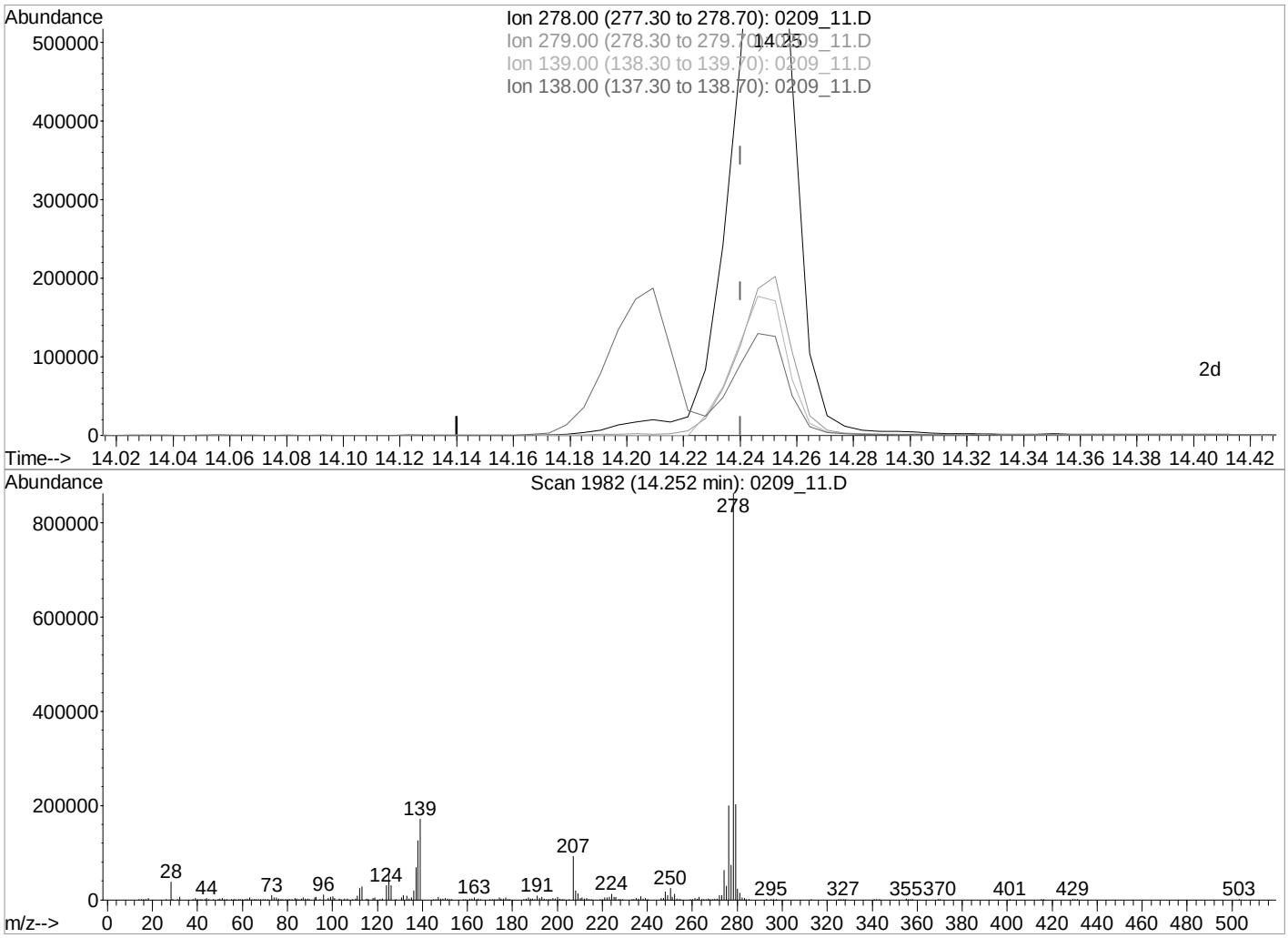
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	74.57
95.00	30.20	29.67
65.00	24.00	23.57

0209_11.D S804B09V.M Mon Feb 14 15:59:35 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:59 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:58:05 2022
Response via : Multiple Level Calibration



TIC: 0209_11.D

(99) Dibenz(a,h)anthracene (MT)

14.25min (+0.012) 29577.4840246 ppb m

response 1161526

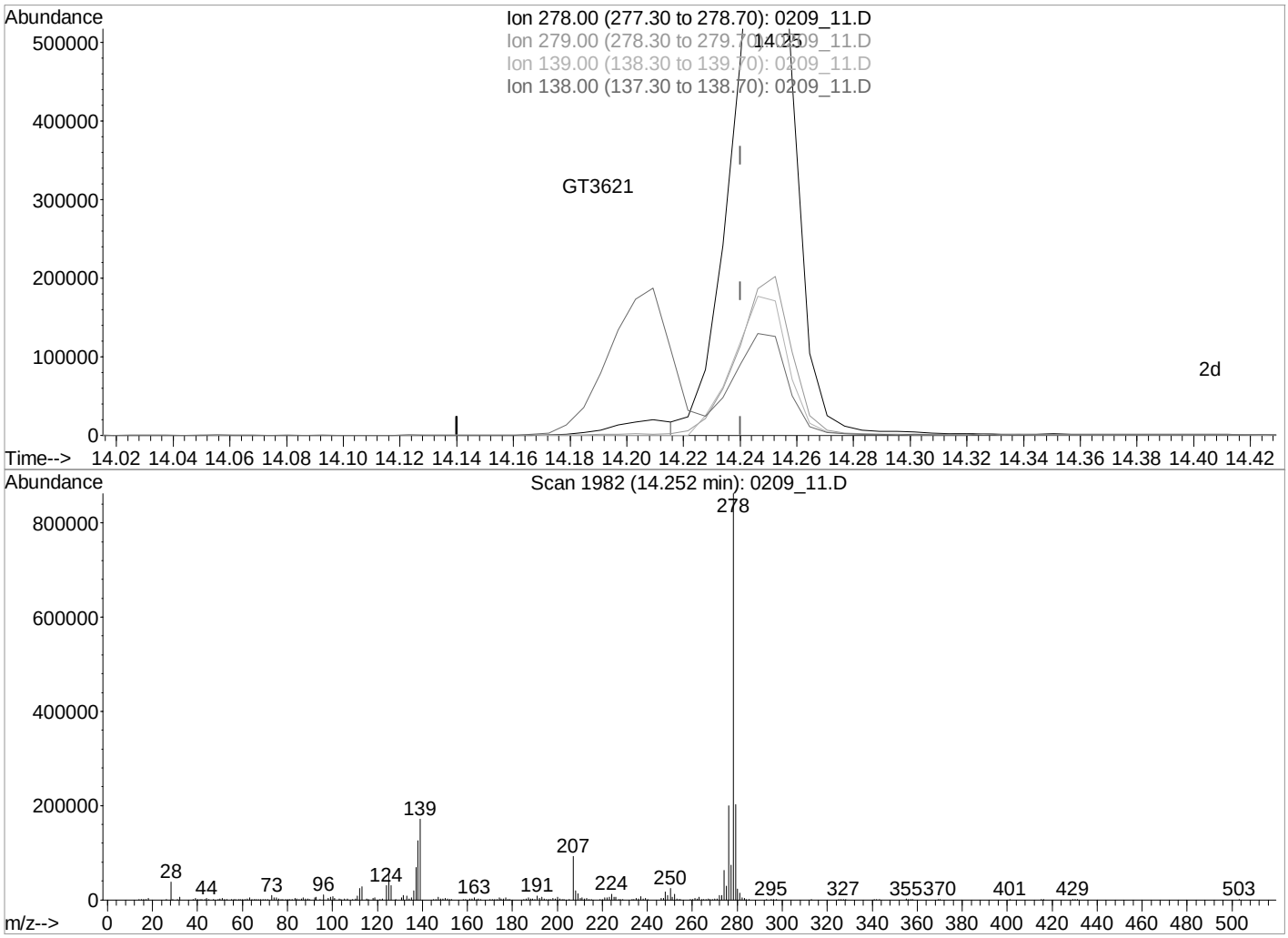
Ion	Exp%	Act%
278.00	100	100
279.00	24.40	23.46
139.00	22.10	19.84
138.00	16.70	14.59

0209_11.D S804B09V.M Mon Feb 14 15:59:56 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:00 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:58:05 2022
Response via : Multiple Level Calibration



TIC: 0209_11.D

(99) Dibenz(a,h)anthracene (MT)

14.25min (+0.012) 28860.8413210 ppb m

response 1133383

Ion	Exp%	Act%
278.00	100	100
279.00	24.40	23.46
139.00	22.10	19.84
138.00	16.70	14.59

0209_11.D S804B09V.M Mon Feb 14 16:00:07 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 12.D Vial: 9
Acq On : 9 Feb 2022 12:48 pm Operator: 917
Sample : STD SVMS 40K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:10 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:00:35 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	87467m	8000.00 ppb		0.00
23) Naphthalene-d8	4.26	136	341732	8000.00 ppb		0.00
46) Acenaphthene-d10	5.44	164	182560	8000.00 ppb		0.00
70) Phenanthrene-d10	6.57	188	318126	8000.00 ppb		0.00
84) Chrysene-d12	9.55	240	292226	8000.00 ppb		0.02
94) Perylene-d12	12.39	264	304548	8000.00 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.85	112	531044	37370.2200771 ppb		0.00
Spiked Amount 666.000			Recovery	= 5611.14%		
7) Phenol-d5	3.28	99	637749	37392.5144194 ppb		0.00
Spiked Amount 666.000			Recovery	= 5614.49%		
24) Nitrobenzene-d5	3.82	82	583502	40242.1631535 ppb		0.00
Spiked Amount 333.000			Recovery	= 12084.73%		
50) 2-Fluorobiphenyl	4.95	172	1151371	37386.3354702 ppb		0.00
Spiked Amount 333.000			Recovery	= 11227.13%		
73) 2,4,6-Tribromophenol	6.03	330	159920	44407.1598699 ppb		0.00
Spiked Amount 666.000			Recovery	= 6667.74%		
87) p-Terphenyl-d14	8.05	244	1610324	40322.5863908 ppb		0.00
Spiked Amount 333.000			Recovery	= 12108.88%		
Target Compounds						Qvalue
2) Pyridine	2.29	79	530979	39242.0417090 ppb		94
3) N-Nitrosodimethylamine	2.28	42	266600	36709.1991107 ppb		92
5) Aniline	3.34	66	302187	37348.2466300 ppb		94
6) bis(2-Chloroethyl)ether	3.36	93	492159m	27672.6256004 ppb		
8) Phenol	3.29	94	672710	37444.4764522 ppb		97
10) 2-Chlorophenol	3.41	128	540976	37608.6060560 ppb		99
11) n-Decane	3.40	41	301867	35628.1919174 ppb		98
12) 1,3-Dichlorobenzene	3.49	146	608753	37429.1238340 ppb		99
13) 1,4-Dichlorobenzene	3.53	146	623673	37255.8873494 ppb		99
14) Benzyl Alcohol	3.58	79	428419	38508.7772803 ppb		100
15) 1,2-Dichlorobenzene	3.61	146	571666	37149.2358810 ppb		98
16) bis(2-Chloroisopropyl)ethe	3.65	121	186702	35455.3036766 ppb	#	59
17) 2,2-oxybis(1-chloropropane	3.65	121	186702	35455.3036766 ppb	#	59
18) 2-Methylphenol	3.62	108	484867	37303.1335811 ppb		98
19) Hexachloroethane	3.80	117	230924	38001.5428483 ppb		98
20) N-Nitrosodi-n-propylamine	3.72	70	356081	37487.0261982 ppb		99
21) 3&4-Methyl phenol	3.71	107	554387	37549.4457488 ppb		98
25) Nitrobenzene	3.84	77	541148	38169.6686673 ppb		97
26) Isophorone	3.97	82	988961	38885.7931128 ppb		97
27) 2-Nitrophenol	4.02	139	293528	41077.0676710 ppb		94
28) 2,4-Dimethylphenol	4.02	107	507150	38214.6705164 ppb		96
29) bis(2-Chlorethoxy)methane	4.08	93	608273	37406.3337815 ppb		97
30) 2,4-Dichlorophenol	4.15	162	436215	39017.8213772 ppb		94
32) 1,2,4-Trichlorobenzene	4.22	180	470672	37610.3096616 ppb		98
34) Naphthalene	4.27	128	1638066	37641.7190686 ppb		100
35) 4-Chloroaniline	4.29	65	192978	38165.4842430 ppb		98
36) Hexachloro-1,3-butadiene	4.34	225	260451	38150.0890158 ppb		96
40) 4-Chloro-3-methylphenol	4.58	107	441649	39189.2944371 ppb		95
41) 2-Methylnaphthalene	4.71	142	1071294	37779.6978255 ppb		99
42) 1-Methylnaphthalene	4.78	142	1018387	38216.0571488 ppb		99
47) Hexachlorocyclopentadiene	4.81	237	340960	39863.7559909 ppb		97
48) 2,4,6-Trichlorophenol	4.89	196	320804	40515.0174392 ppb		97
49) 2,4,5-Trichlorophenol	4.92	196	322612	39149.4243208 ppb		90

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 12.D Vial: 9
Acq On : 9 Feb 2022 12:48 pm Operator: 917
Sample : STD SVMS 40K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:10 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:00:35 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

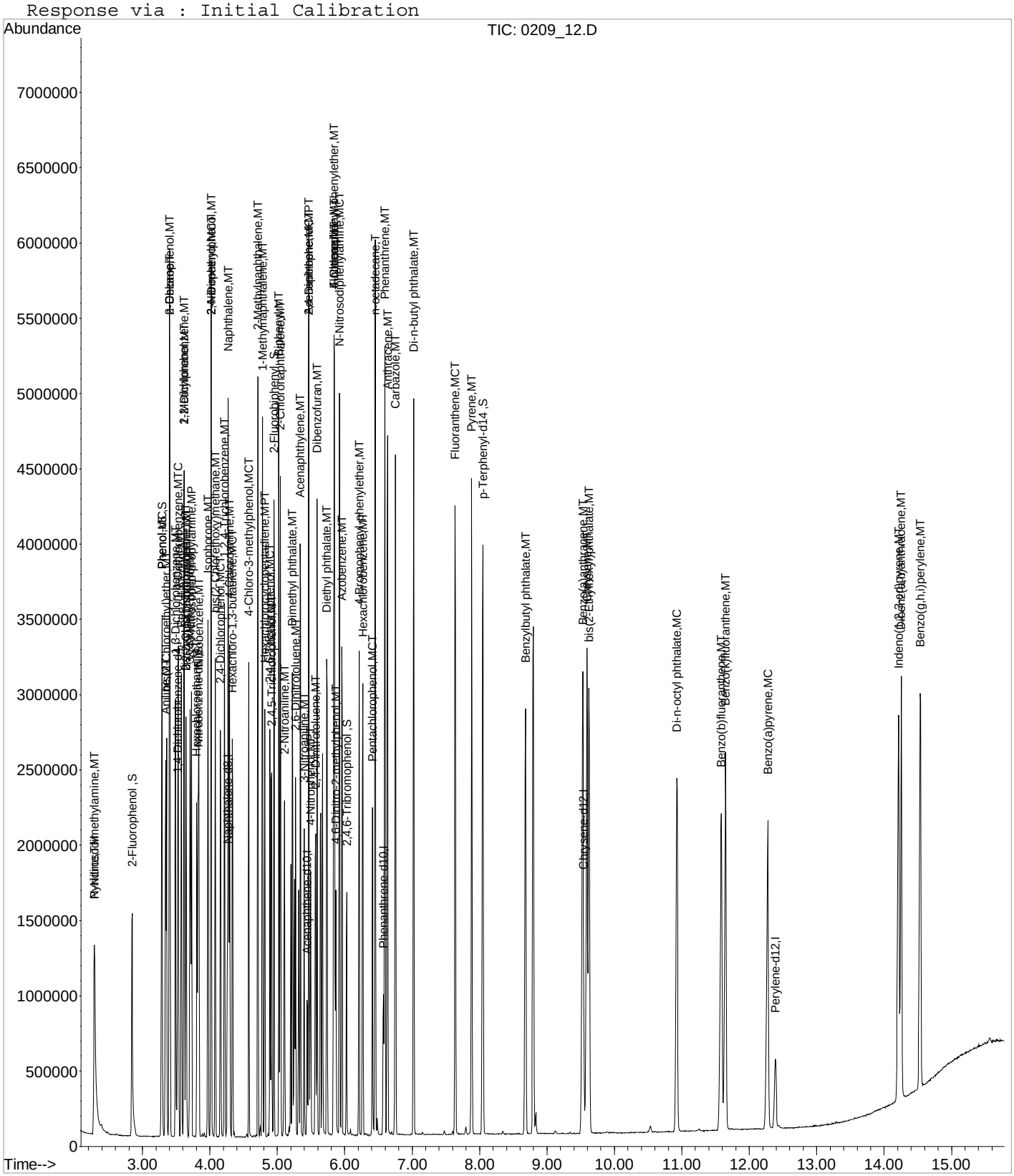
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	Biphenyl	5.02	154	1303316	38111.3359445	ppb		99
52)	2-Chloronaphthalene	5.05	162	979007	37511.8057862	ppb		98
53)	2-Nitroaniline	5.11	138	342351	42317.5955894	ppb		98
54)	Acenaphthylene	5.34	152	1588608	39126.7393856	ppb		99
55)	Dimethyl phthalate	5.22	163	1058778	39157.6162617	ppb		100
56)	2,6-Dinitrotoluene	5.27	165	260810	41603.1785962	ppb		95
57)	3-Nitroaniline	5.40	138	286828	42495.3425702	ppb		96
58)	Acenaphthene	5.47	153	1013503	37945.6657033	ppb		96
59)	2,4-Dinitrophenol	5.47	184	145907	52538.8415132	ppb	#	17
60)	Dibenzofuran	5.59	168	1401121	37825.9781253	ppb		100
61)	2,4-Dinitrotoluene	5.57	165	344829	43923.7949054	ppb		97
63)	4-Nitrophenol	5.49	139	240093	43064.5466551	ppb		95
64)	Fluorene	5.84	166	1159234	38581.5718380	ppb		99
65)	4-Chlorophenyl-phenylether	5.84	204	535116	37555.3657476	ppb		88
66)	Diethyl phthalate	5.73	149	1089772	39339.9868130	ppb		99
67)	4-Nitroaniline	5.85	138	213656	33796.9567868	ppb		96
68)	Azobenzene	5.95	77	1061155	38402.5673874	ppb		100
71)	4,6-Dinitro-2-methylphenol	5.87	198	176996	48081.6828813	ppb		99
72)	N-Nitrosodiphenylamine	5.92	169	982230	40631.4208105	ppb		99
74)	4-Bromophenyl-phenylether	6.21	248	315621	40228.8334657	ppb		94
75)	Hexachlorobenzene	6.27	284	348572	39928.9901746	ppb		99
76)	n-octadecane	6.45	55	187466	38513.5503620	ppb		98
77)	Pentachlorophenol	6.41	266	214451	45834.3096376	ppb		97
78)	Phenanthrene	6.59	178	1588877	37960.1017014	ppb		99
79)	Anthracene	6.64	178	1636676	38630.5645907	ppb		100
80)	Carbazole	6.75	167	1476577	38198.2056116	ppb		99
81)	Di-n-butyl phthalate	7.02	149	1922913	42491.4478801	ppb		100
83)	Fluoranthene	7.64	202	1784764	40137.6631631	ppb		99
86)	Pyrene	7.88	202	1858834	39532.6283317	ppb		99
88)	Benzylbutyl phthalate	8.68	149	805471	41893.8726269	ppb		98
90)	Benzo(a)anthracene	9.53	228	1652877	39280.5024417	ppb		99
91)	Chrysene	9.59	228	1584261	38850.3193263	ppb		99
92)	bis(2-Ethylhexyl)phthalate	9.62	149	1113109	42031.3076523	ppb		99
93)	Di-n-octyl phthalate	10.92	149	1901374	43218.2087672	ppb		99
95)	Benzo(b)fluoranthene	11.59	252	1661740	38302.6598317	ppb		99
96)	Benzo(k)fluoranthene	11.65	252	1666940	39007.6629727	ppb		98
97)	Benzo(a)pyrene	12.27	252	1488575	39615.4990577	ppb		100
98)	Indeno(1,2,3-cd)pyrene	14.22	276	1411209	38225.8587590	ppb		98
99)	Dibenz(a,h)anthracene	14.26	278	1497799m	38054.6751967	ppb		
100)	Benzo(g,h,i)perylene	14.54	276	1416806	36871.9258324	ppb		94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 12.D Vial: 9
Acq On : 9 Feb 2022 12:48 pm Operator: 917
Sample : STD SVMS 40K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:10 2022 Quant Results File: S804B09V.RES

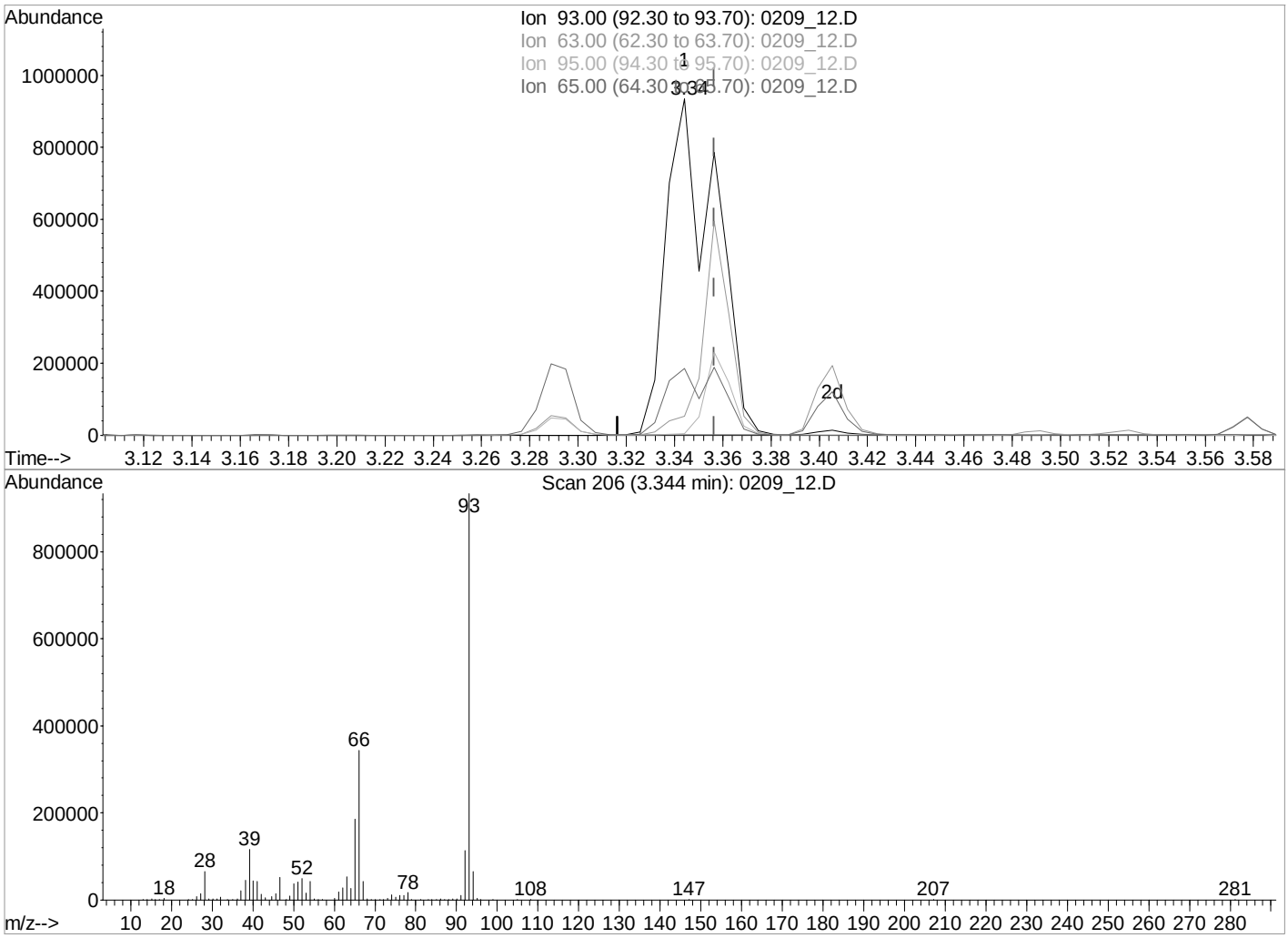
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:14:29 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 12.D Vial: 9
Acq On : 9 Feb 2022 12:48 pm Operator: 917
Sample : STD SVMS 40K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:02 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:00:35 2022
Response via : Multiple Level Calibration



TIC: 0209_12.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.012) 0.0000000 ppb

response 1313644

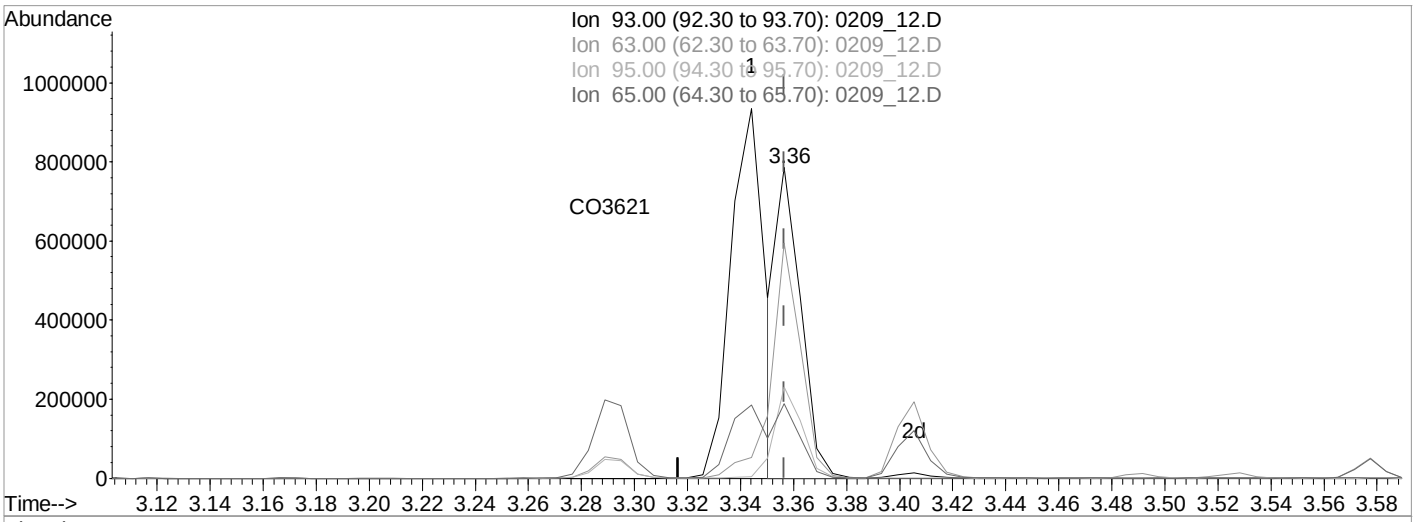
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.62#
95.00	30.20	0.39#
65.00	24.00	19.74

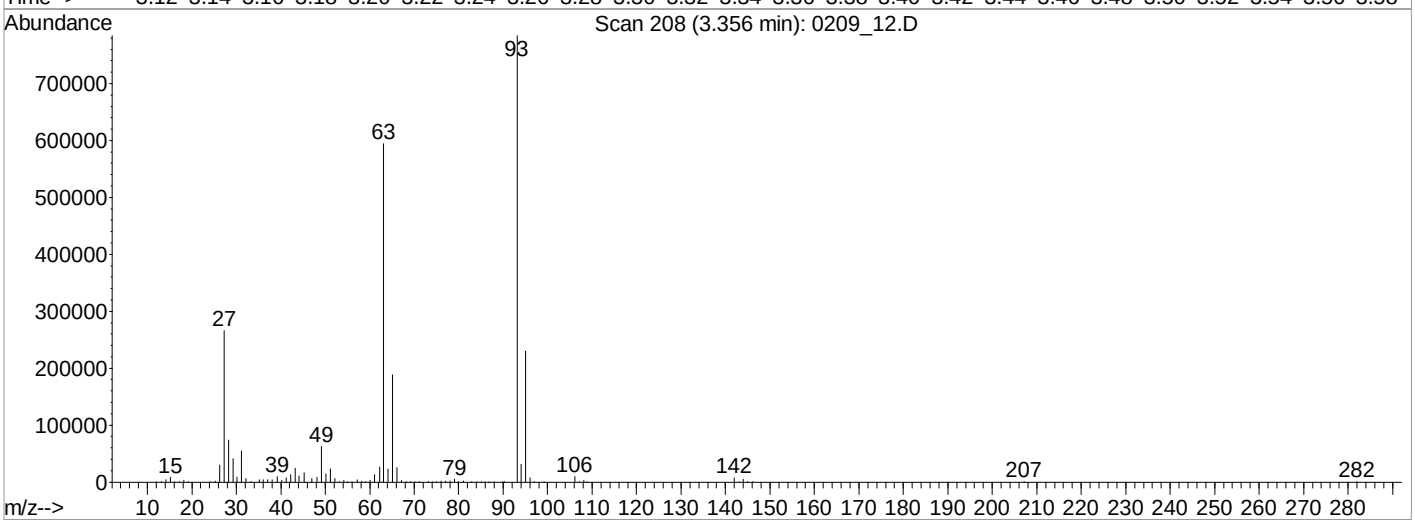
0209_12.D S804B09V.M Mon Feb 14 16:03:04 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 12.D Vial: 9
Acq On : 9 Feb 2022 12:48 pm Operator: 917
Sample : STD SVMS 40K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:02 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:00:35 2022
Response via : Multiple Level Calibration





TIC: 0209_12.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.012) 0.0000000 ppb

response 1313644

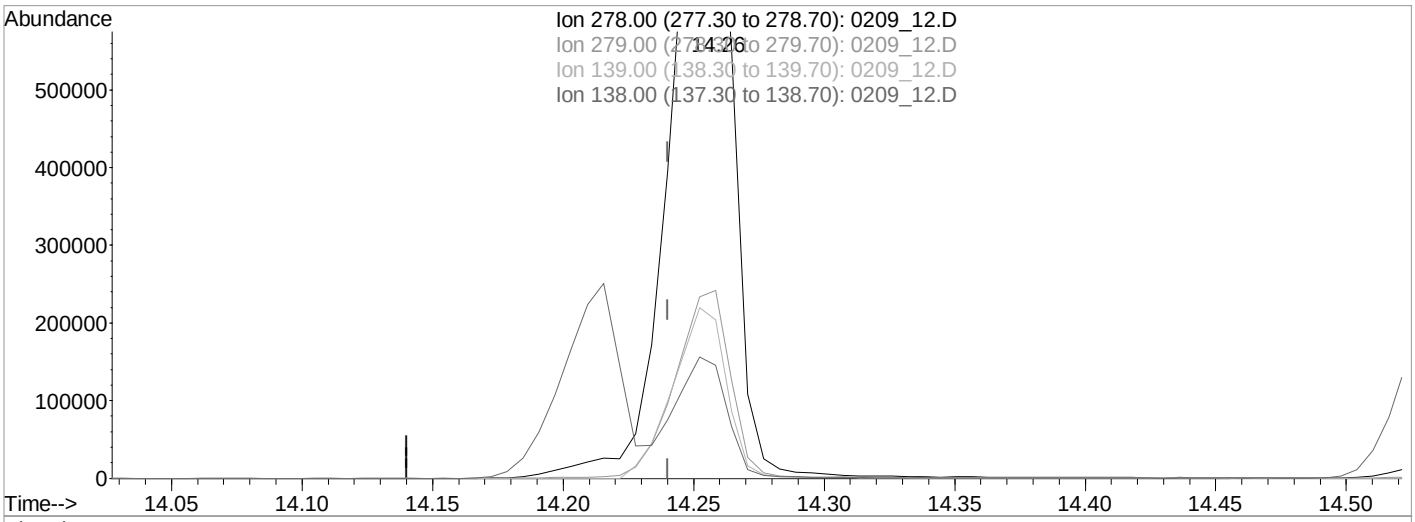
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.62#
95.00	30.20	0.39#
65.00	24.00	19.74

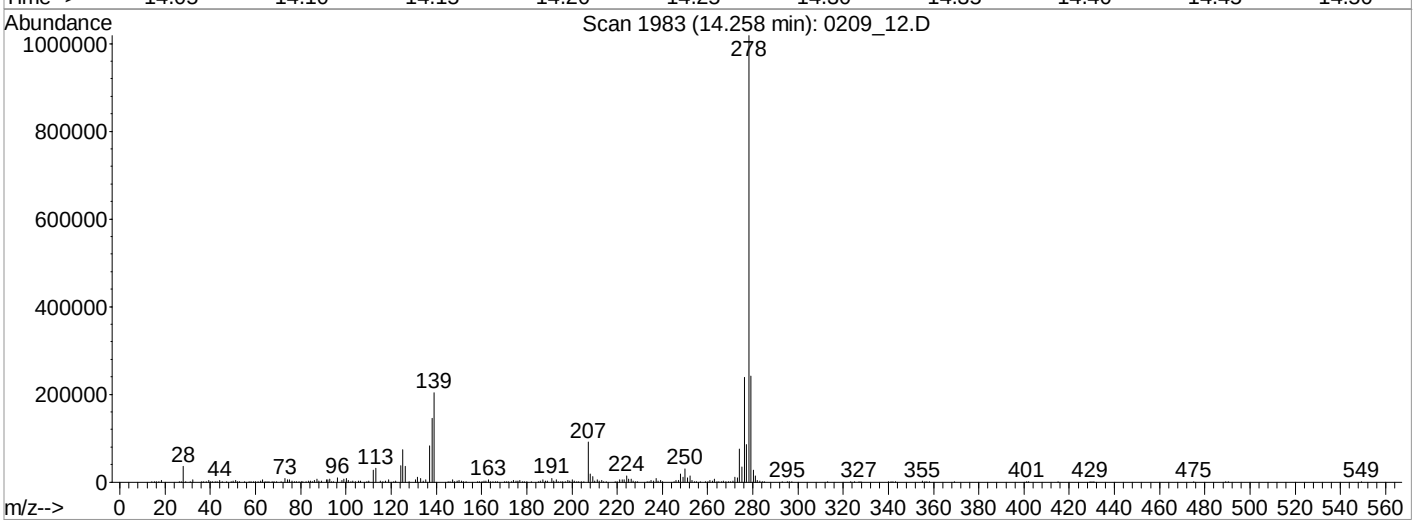
0209_12.D S804B09V.M Mon Feb 14 16:03:19 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 12.D Vial: 9
Acq On : 9 Feb 2022 12:48 pm Operator: 917
Sample : STD SVMS 40K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:02 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:00:35 2022
Response via : Multiple Level Calibration





TIC: 0209_12.D

(99) Dibenz(a,h)anthracene (MT)

14.26min (+0.018) 39213.5930184 ppb

Qvalue = 96

response 1543413

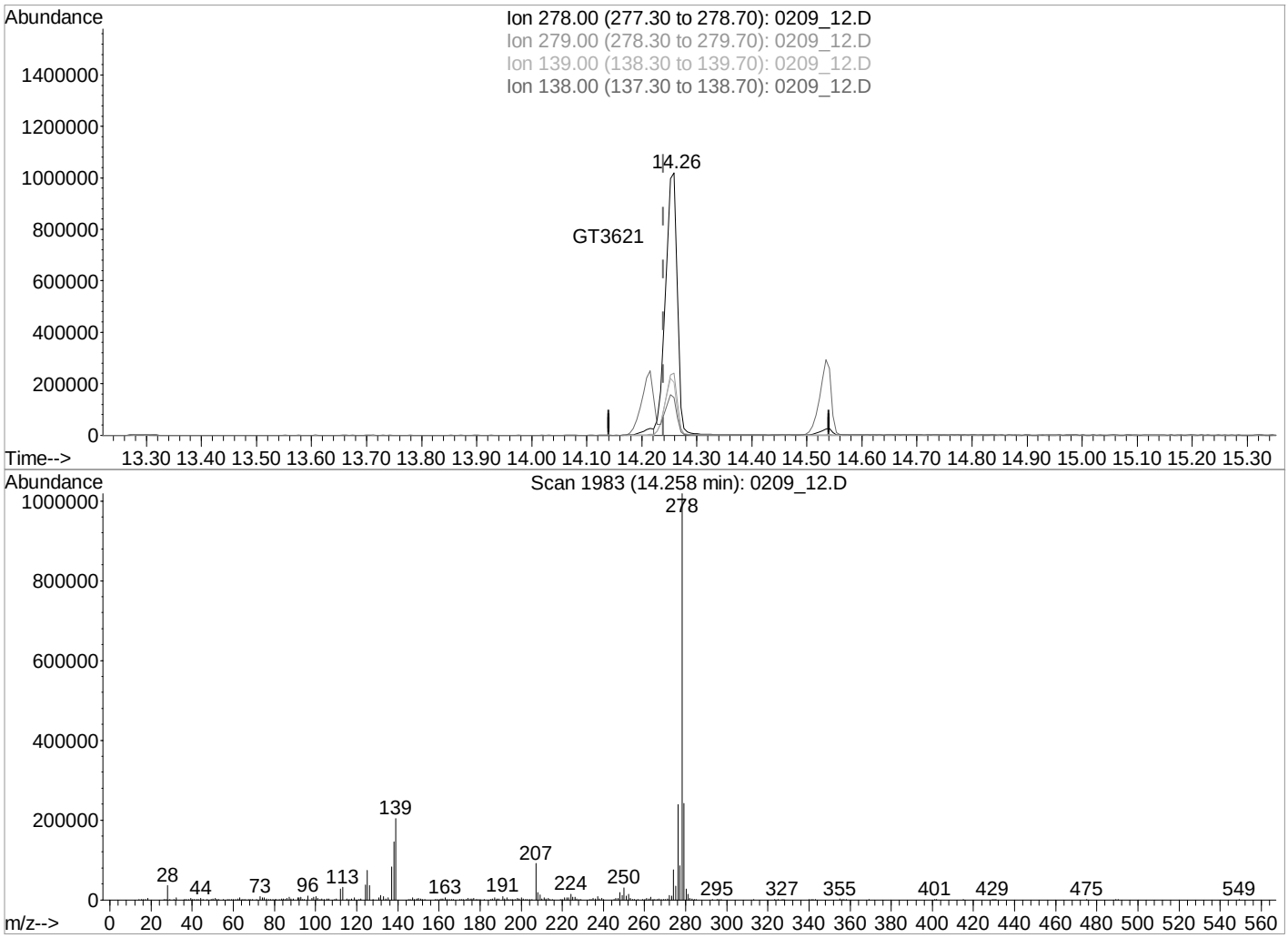
Ion	Exp%	Act%
278.00	100	100
279.00	24.40	23.68
139.00	22.10	20.02
138.00	16.70	14.26

0209_12.D S804B09V.M Mon Feb 14 16:03:34 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 12.D Vial: 9
Acq On : 9 Feb 2022 12:48 pm Operator: 917
Sample : STD SVMS 40K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:03 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:00:35 2022
Response via : Multiple Level Calibration



TIC: 0209_12.D

(99) Dibenz(a,h)anthracene (MT)

14.26min (+0.018) 38054.6751967 ppb m

response 1497799

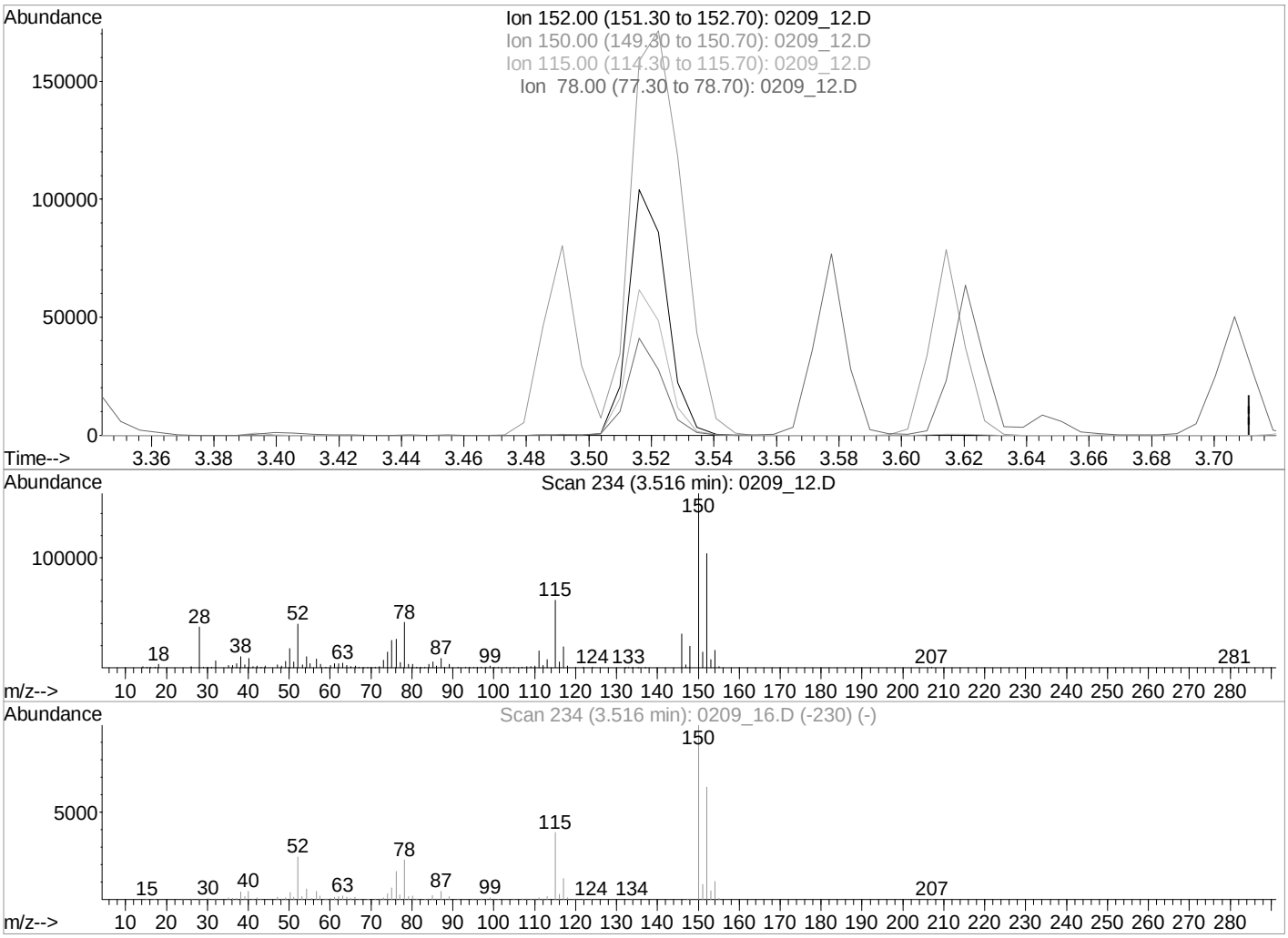
Ion	Exp%	Act%
278.00	100	100
279.00	24.40	23.71
139.00	22.10	20.02
138.00	16.70	14.29

0209_12.D S804B09V.M Mon Feb 14 16:05:30 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 12.D Vial: 9
Acq On : 9 Feb 2022 12:48 pm Operator: 917
Sample : STD SVMS 40K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:08 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:00:35 2022
Response via : Multiple Level Calibration



TIC: 0209_12.D

(1) 1,4-Dichlorobenzene-d4 (I)

3.52min (-3.516) 0.0000000 ppb d

response 0

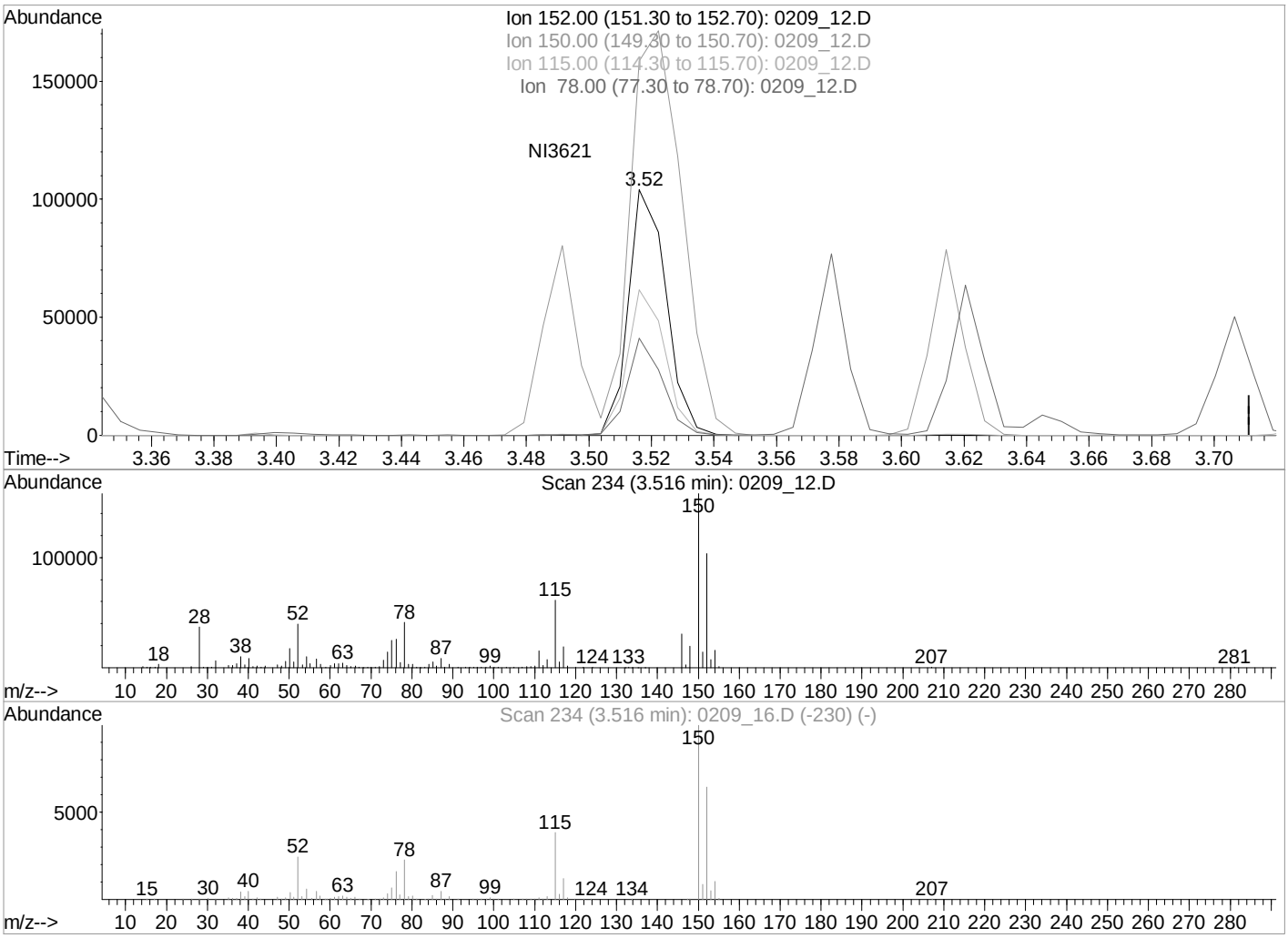
Ion	Exp%	Act%
152.00	100	0.00
150.00	155.20	0.00
115.00	59.30	0.00
78.00	35.00	0.00

0209_12.D S804B09V.M Mon Feb 14 16:10:09 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 12.D Vial: 9
Acq On : 9 Feb 2022 12:48 pm Operator: 917
Sample : STD SVMS 40K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:10 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:00:35 2022
Response via : Multiple Level Calibration



TIC: 0209_12.D

(1) 1,4-Dichlorobenzene-d4 (I)

3.52min (-0.000) 8000.0000000 ppb m

response 87467

Ion	Exp%	Act%
152.00	100	100
150.00	155.20	152.53
115.00	59.30	59.26
78.00	35.00	39.45

0209_12.D S804B09V.M Mon Feb 14 16:10:29 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:18 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:51:32 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	85491	8000.00	ppb		0.00
23) Naphthalene-d8	4.26	136	336033	8000.00	ppb		0.00
46) Acenaphthene-d10	5.44	164	182036	8000.00	ppb		0.00
70) Phenanthrene-d10	6.57	188	303150	8000.00	ppb		0.00
84) Chrysene-d12	9.55	240	299422	8000.00	ppb		0.02
94) Perylene-d12	12.39	264	295920	8000.00	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.85	112	685540	49268.3997408	ppb		0.00
Spiked Amount 666.000			Recovery = 7397.66%				
7) Phenol-d5	3.28	99	818468	48972.9451566	ppb		0.00
Spiked Amount 666.000			Recovery = 7353.30%				
24) Nitrobenzene-d5	3.82	82	678256m	46463.7671389	ppb		0.00
Spiked Amount 333.000			Recovery = 13953.08%				
50) 2-Fluorobiphenyl	4.95	172	1462149	47291.9672001	ppb		0.00
Spiked Amount 333.000			Recovery = 14201.79%				
73) 2,4,6-Tribromophenol	6.03	330	203186	60808.6198147	ppb		0.00
Spiked Amount 666.000			Recovery = 9130.42%				
87) p-Terphenyl-d14	8.05	244	2013746	49101.9592081	ppb		0.00
Spiked Amount 333.000			Recovery = 14745.33%				
Target Compounds							Qvalue
2) Pyridine	2.29	79	681495	51757.7992292	ppb		97
3) N-Nitrosodimethylamine	2.29	42	339759	47575.2742185	ppb		91
5) Aniline	3.34	66	389920	49209.1195109	ppb		95
6) bis(2-Chloroethyl)ether	3.36	93	649750m	23889.2924070	ppb		
8) Phenol	3.30	94	863642	49070.2900117	ppb		97
10) 2-Chlorophenol	3.41	128	694562	49319.1896257	ppb		99
11) n-Decane	3.40	41	379161	45241.9961601	ppb		99
12) 1,3-Dichlorobenzene	3.49	146	771098	48302.1674606	ppb		98
13) 1,4-Dichlorobenzene	3.53	146	785122	47710.9860129	ppb		99
14) Benzyl Alcohol	3.58	79	544123	50046.4969320	ppb		99
15) 1,2-Dichlorobenzene	3.61	146	721401	47687.1870177	ppb		98
16) bis(2-Chloroisopropyl)ethe	3.65	121	236106	45340.6582642	ppb	#	62
17) 2,2-oxybis(1-chloropropane	3.65	121	236106	45340.6582642	ppb	#	62
18) 2-Methylphenol	3.62	108	617710	48432.5889244	ppb		97
19) Hexachloroethane	3.80	117	291009	48857.5187075	ppb		98
20) N-Nitrosodi-n-propylamine	3.73	70	450158	48279.2340149	ppb		100
21) 3&4-Methyl phenol	3.71	107	699728	48282.1151226	ppb		99
25) Nitrobenzene	3.84	77	688841	49328.1690268	ppb		96
26) Isophorone	3.97	82	1236245	49353.4494025	ppb		98
27) 2-Nitrophenol	4.02	139	376131	54074.7423875	ppb		93
28) 2,4-Dimethylphenol	4.02	107	650314	49809.6897293	ppb		97
29) bis(2-Chlorethoxy)methane	4.08	93	768717	47811.7231221	ppb		97
30) 2,4-Dichlorophenol	4.16	162	555918	50650.3447239	ppb		92
32) 1,2,4-Trichlorobenzene	4.22	180	603526	48910.7083770	ppb		98
34) Naphthalene	4.27	128	2066329	48053.2072182	ppb		100
35) 4-Chloroaniline	4.29	65	244067	48960.4771090	ppb		97
36) Hexachloro-1,3-butadiene	4.34	225	331135	49231.5094775	ppb		96
40) 4-Chloro-3-methylphenol	4.58	107	567518	51390.2025153	ppb		94
41) 2-Methylnaphthalene	4.71	142	1377022	49298.2911741	ppb		100
42) 1-Methylnaphthalene	4.78	142	1292317	49222.1326390	ppb		99
47) Hexachlorocyclopentadiene	4.81	237	433861	50998.3780748	ppb		97
48) 2,4,6-Trichlorophenol	4.89	196	404822	51460.1647062	ppb		97
49) 2,4,5-Trichlorophenol	4.92	196	414908	50566.0675110	ppb		92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:18 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:51:32 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

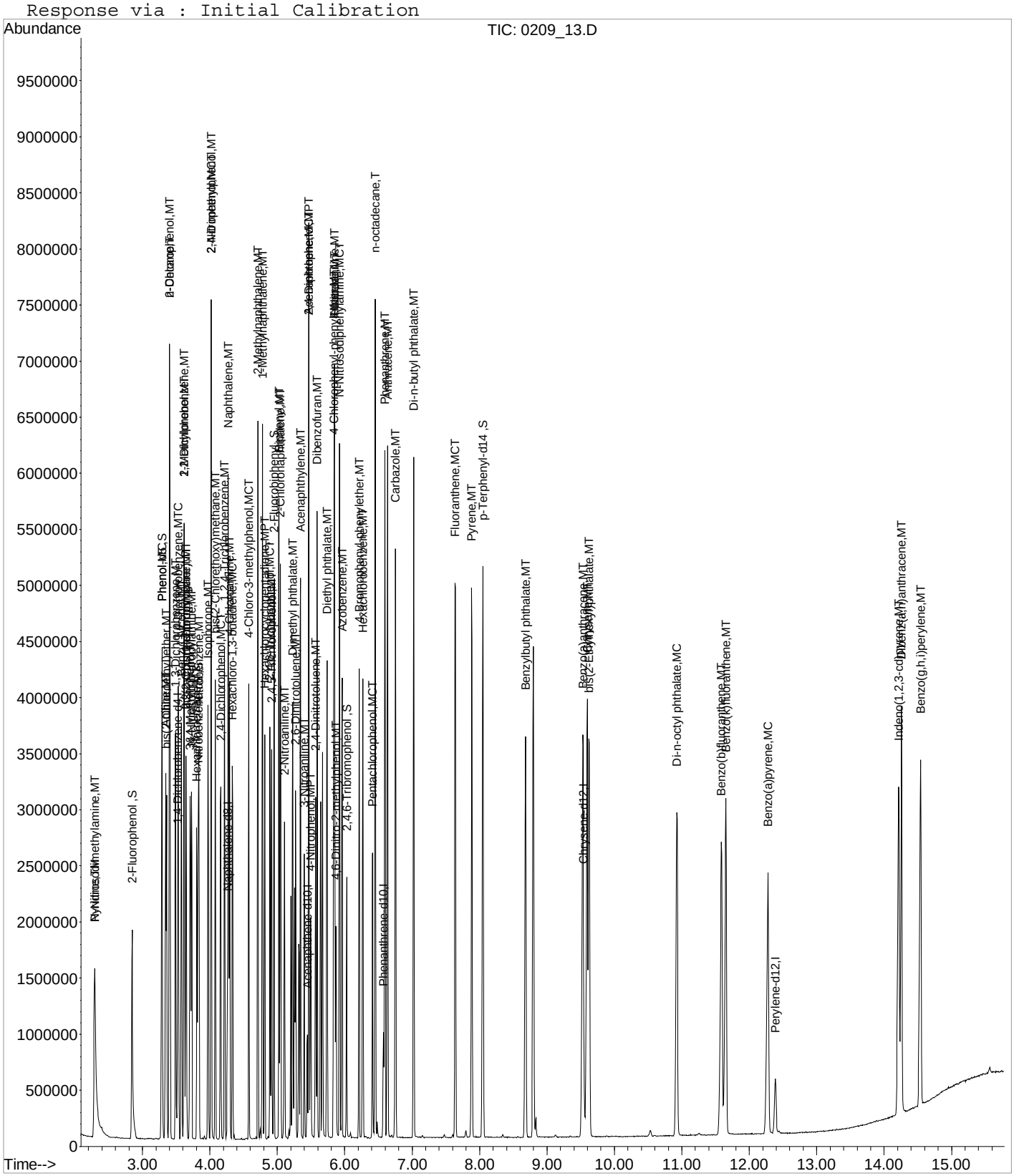
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	Biphenyl	5.03	154	1635800	47695.0348514	ppb		100
52)	2-Chloronaphthalene	5.05	162	1229770	46888.0832571	ppb		98
53)	2-Nitroaniline	5.11	138	428726	53629.0313312	ppb		98
54)	Acenaphthylene	5.35	152	2019937	49878.2058817	ppb		99
55)	Dimethyl phthalate	5.23	163	1363440	50652.8594150	ppb		93
56)	2,6-Dinitrotoluene	5.27	165	333483	53864.1240120	ppb		99
57)	3-Nitroaniline	5.40	138	367978	55415.3653662	ppb	#	84
58)	Acenaphthene	5.47	153	1291393	48280.6520842	ppb		97
59)	2,4-Dinitrophenol	5.47	184	193721	74186.7854642	ppb	#	30
60)	Dibenzofuran	5.59	168	1763845	47451.1885412	ppb		100
61)	2,4-Dinitrotoluene	5.57	165	444272	57870.2558482	ppb		95
63)	4-Nitrophenol	5.49	139	304788	55592.5457447	ppb		88
64)	Fluorene	5.85	166	1466642	48807.2477794	ppb		99
65)	4-Chlorophenyl-phenylether	5.84	204	682219	47746.6307713	ppb		90
66)	Diethyl phthalate	5.74	149	1359007	49088.2502660	ppb		99
67)	4-Nitroaniline	5.86	138	295753	46508.5221381	ppb		98
68)	Azobenzene	5.96	77	1359895	49264.7305857	ppb		99
71)	4,6-Dinitro-2-methylphenol	5.87	198	225615	67060.1415206	ppb		91
72)	N-Nitrosodiphenylamine	5.92	169	1246858	54771.8942299	ppb		98
74)	4-Bromophenyl-phenylether	6.21	248	403603	54605.9256471	ppb		91
75)	Hexachlorobenzene	6.27	284	439934	53323.4768919	ppb		99
76)	n-octadecane	6.45	55	229571	49422.1734343	ppb		98
77)	Pentachlorophenol	6.42	266	268709	62089.4694687	ppb		95
78)	Phenanthrene	6.59	178	1942260	48514.3249917	ppb		98
79)	Anthracene	6.64	178	2011440	49796.1324302	ppb		100
80)	Carbazole	6.75	167	1809779	49009.1104903	ppb		99
81)	Di-n-butyl phthalate	7.02	149	2377465	55951.5065493	ppb		99
83)	Fluoranthene	7.64	202	2263702	53951.1908184	ppb		100
86)	Pyrene	7.88	202	2343672	48458.5250985	ppb		99
88)	Benzylbutyl phthalate	8.68	149	1016118	51813.7045194	ppb		98
90)	Benzo(a)anthracene	9.53	228	2063460	47568.5271200	ppb		100
91)	Chrysene	9.60	228	1968627	46730.6970697	ppb		99
92)	bis(2-Ethylhexyl)phthalate	9.63	149	1407831	52163.0604523	ppb		99
93)	Di-n-octyl phthalate	10.93	149	2390033	53481.2603710	ppb		99
95)	Benzo(b)fluoranthene	11.59	252	2109399	50044.2348538	ppb		99
96)	Benzo(k)fluoranthene	11.65	252	2049426	49265.8283619	ppb		98
97)	Benzo(a)pyrene	12.28	252	1849955	50765.3229273	ppb		99
98)	Indeno(1,2,3-cd)pyrene	14.22	276	1733830m	48105.1614875	ppb		
99)	Dibenz(a,h)anthracene	14.26	278	1829680m	47566.6475034	ppb		
100)	Benzo(g,h,i)perylene	14.54	276	1711126	45290.2795709	ppb		98

(#) = qualifier out of range (m) = manual integration
0209_13.D S804B09V.M Mon Feb 14 16:18:48 2022 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:18 2022 Quant Results File: S804B09V.RES

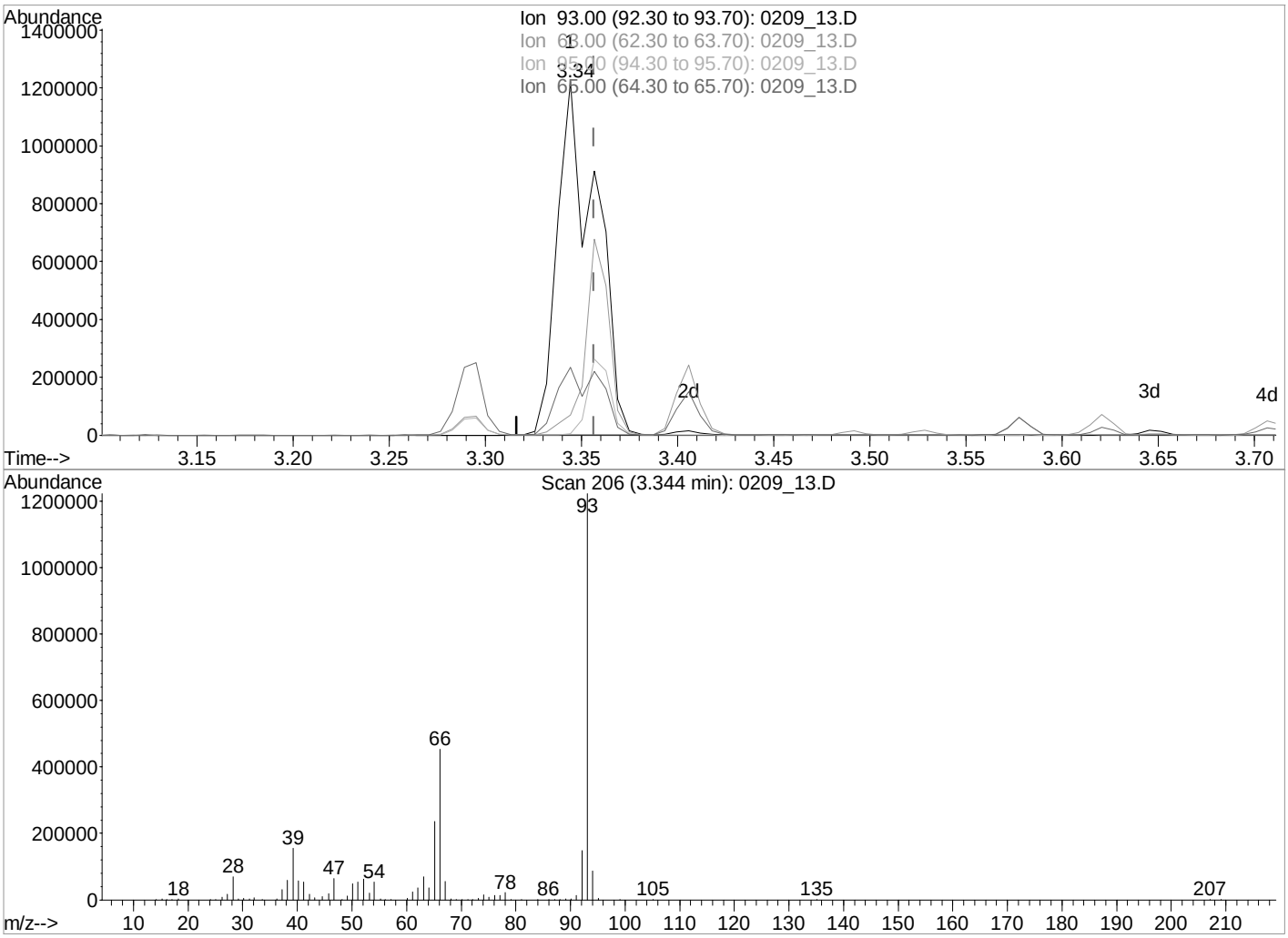
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:14:29 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 12:57 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:14:29 2022
Response via : Multiple Level Calibration



TIC: 0209_13.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.012) 62045.3548033 ppb

Qvalue = 37

response 1687533

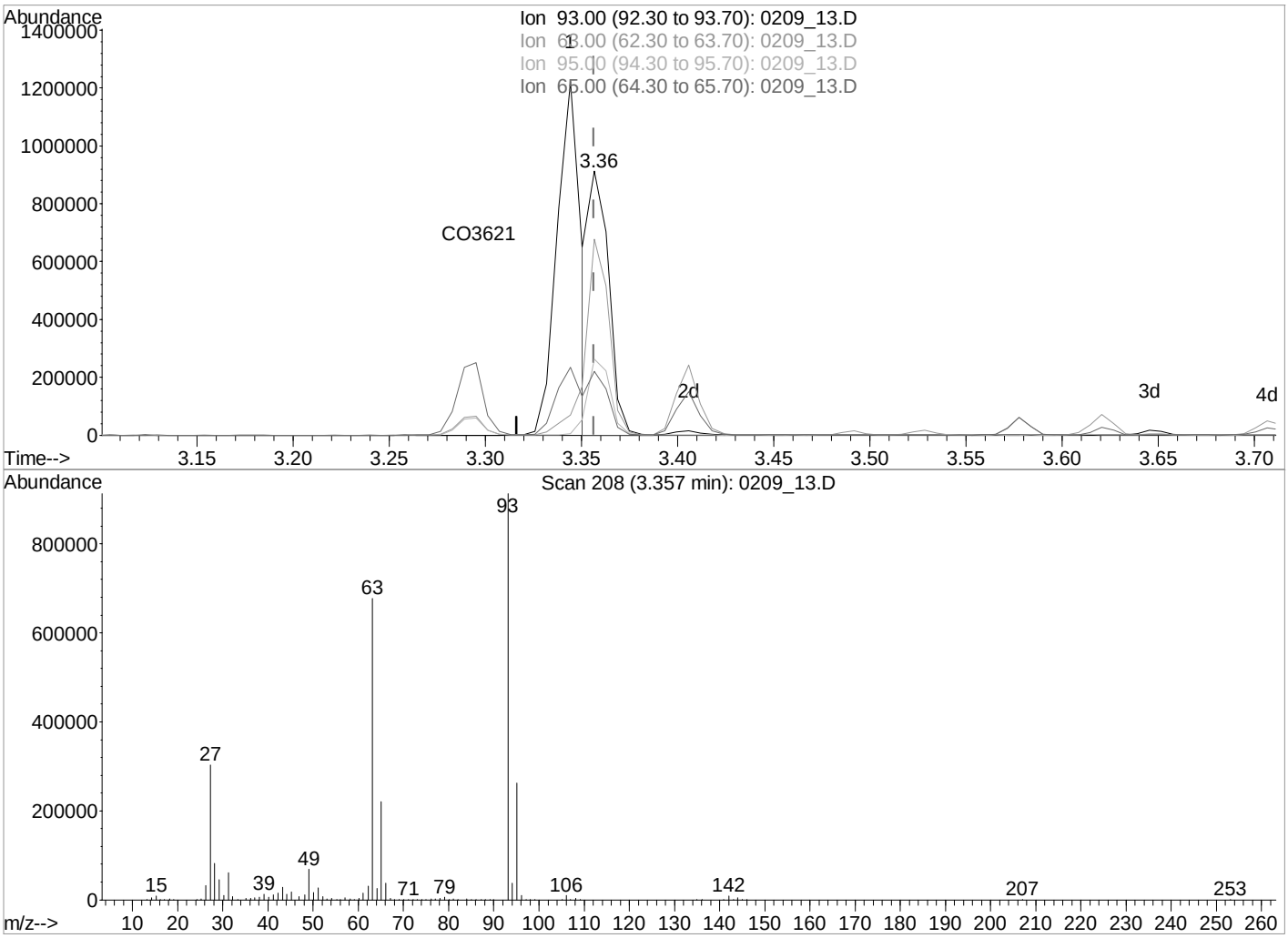
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.65#
95.00	30.20	0.34#
65.00	24.00	19.20

0209_13.D S804B09V.M Mon Feb 14 16:16:25 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:16 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:14:29 2022
Response via : Multiple Level Calibration



TIC: 0209_13.D

(6) bis(2-Chloroethyl)ether (MT)

3.36min (+0.000) 23889.2924070 ppb m

response 649750

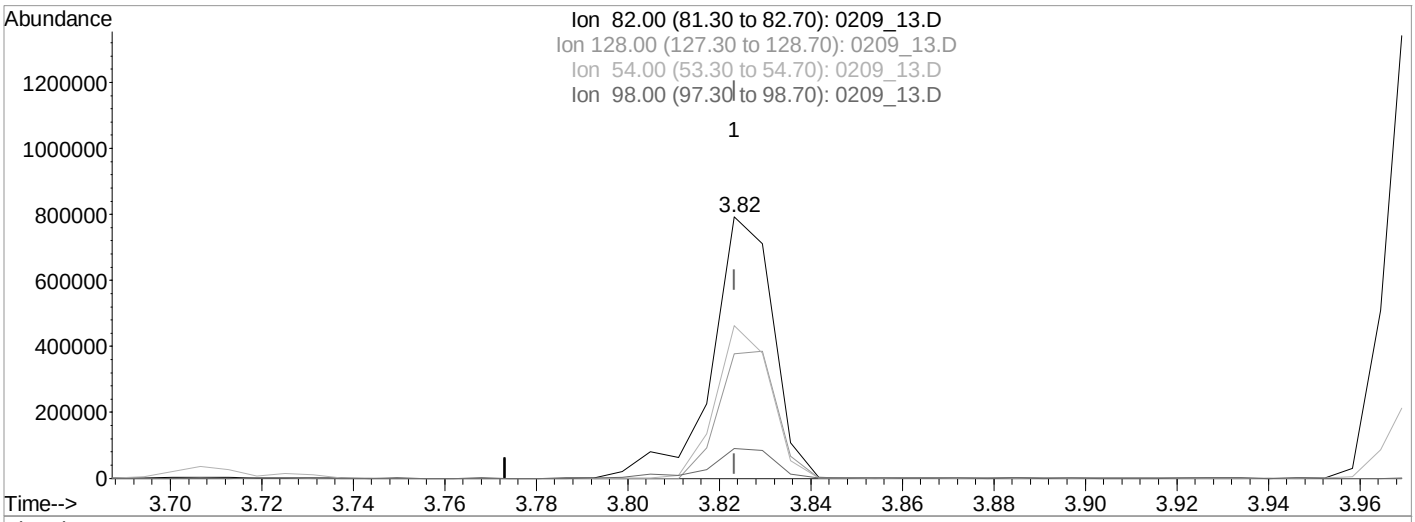
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	74.11
95.00	30.20	28.75
65.00	24.00	24.19

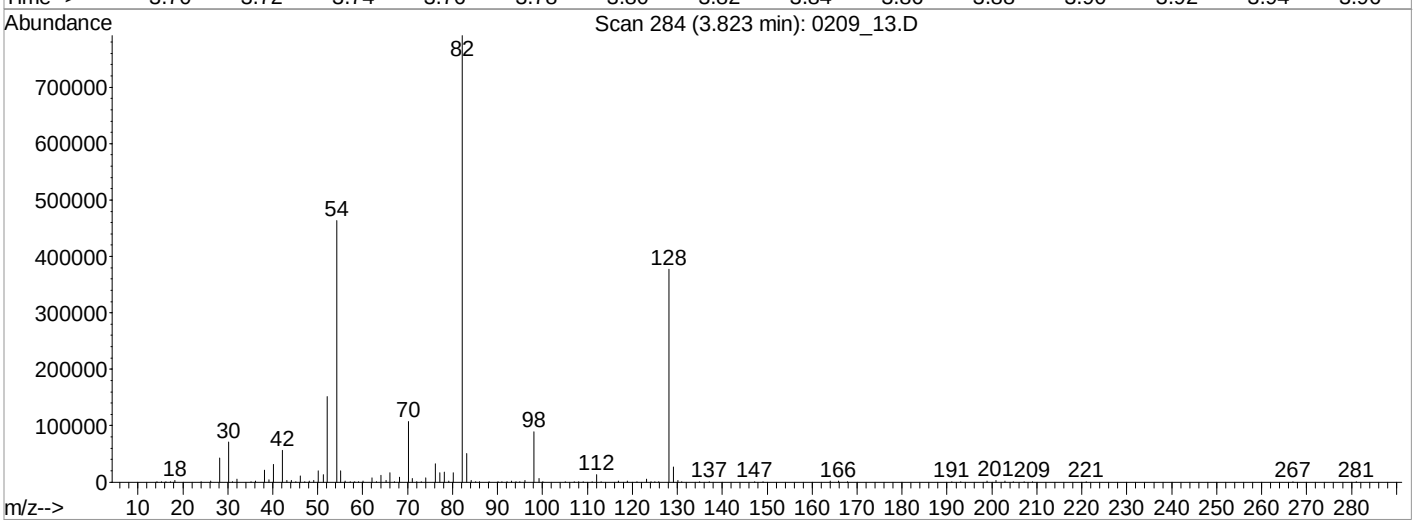
0209_13.D S804B09V.M Mon Feb 14 16:16:36 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:16 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:14:29 2022
Response via : Multiple Level Calibration





TIC: 0209_13.D

(24) Nitrobenzene-d5 (S)

3.82min (+0.000) 50604.5375924 ppb m

response 738701

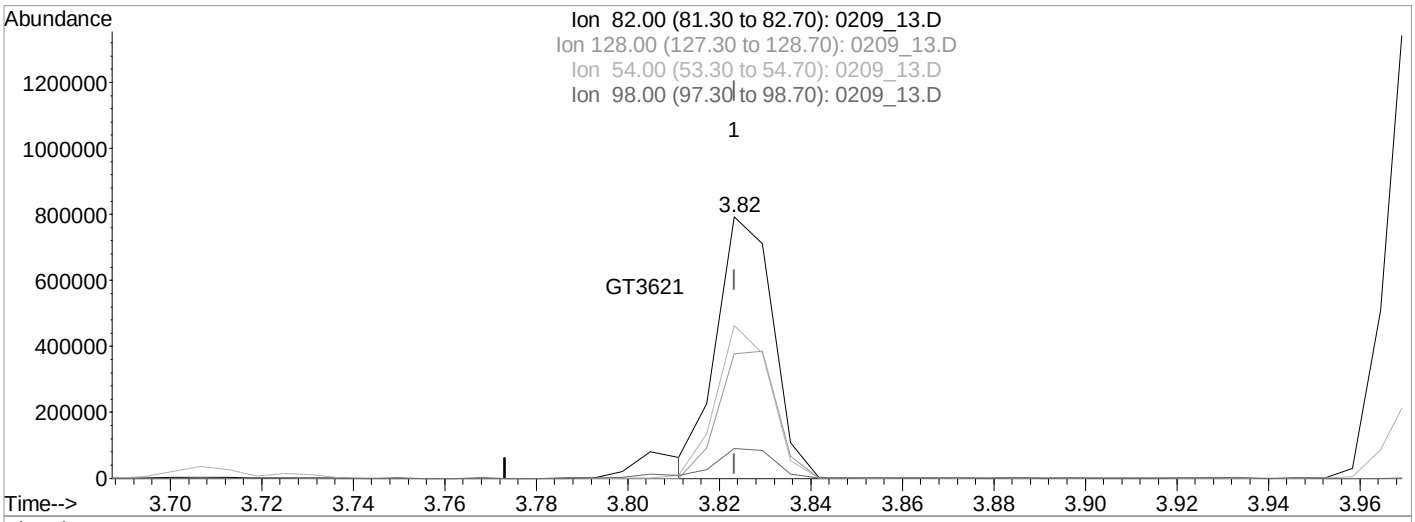
Ion	Exp%	Act%
82.00	100	100
128.00	49.30	47.68
54.00	56.90	58.54
98.00	11.80	11.31

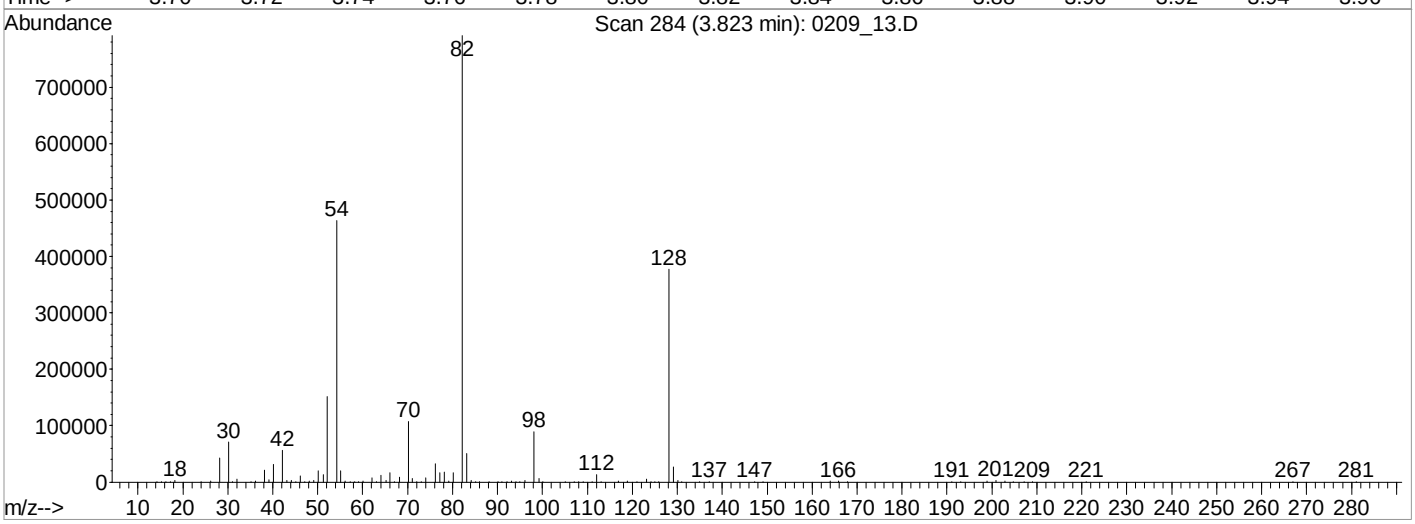
0209_13.D S804B09V.M Mon Feb 14 16:16:58 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:17 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:14:29 2022
Response via : Multiple Level Calibration





TIC: 0209_13.D

(24) Nitrobenzene-d5 (S)

3.82min (+0.000) 46463.7671389 ppb m

response 678256

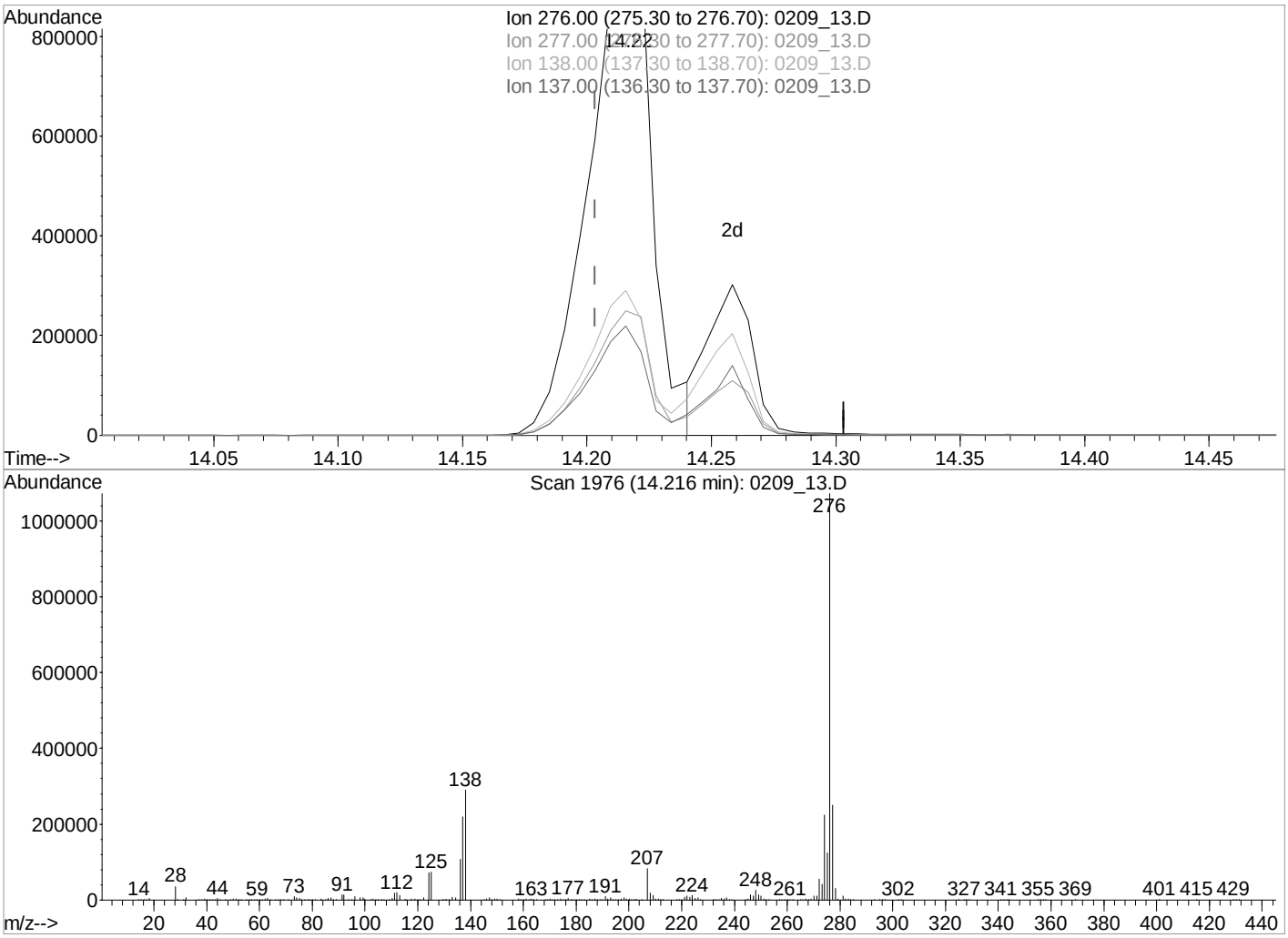
Ion	Exp%	Act%
82.00	100	100
128.00	49.30	47.68
54.00	56.90	58.54
98.00	11.80	11.31

0209_13.D S804B09V.M Mon Feb 14 16:17:09 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:17 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:14:29 2022
Response via : Multiple Level Calibration



TIC: 0209_13.D

(98) Indeno(1,2,3-cd)pyrene (MT)

14.22min (+0.012) 49190.5747186 ppb m

response 1772951

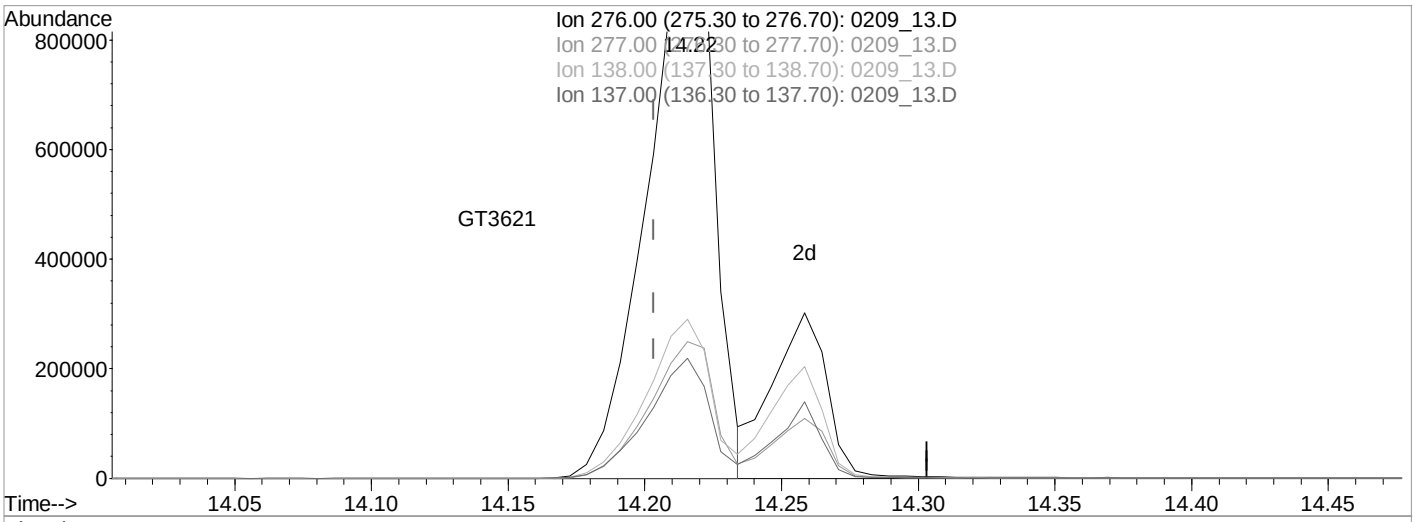
Ion	Exp%	Act%
276.00	100	100
277.00	24.10	23.27
138.00	25.30	27.03
137.00	18.00	20.45

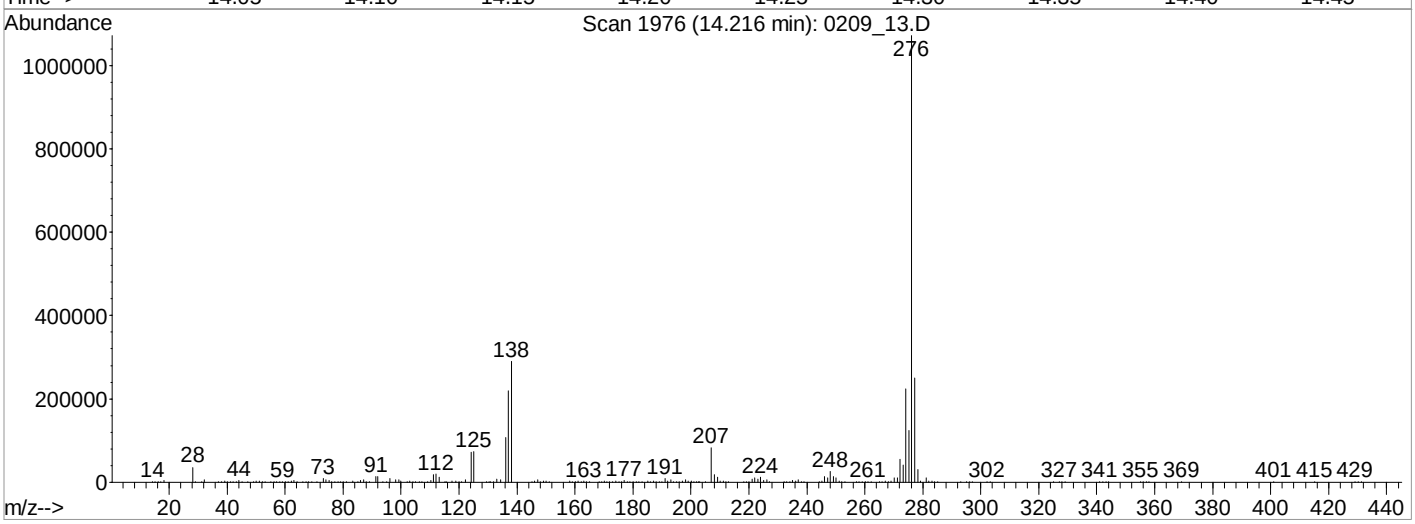
0209_13.D S804B09V.M Mon Feb 14 16:17:30 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:17 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:14:29 2022
Response via : Multiple Level Calibration





TIC: 0209_13.D

(98) Indeno(1,2,3-cd)pyrene (MT)

14.22min (+0.012) 48105.1614875 ppb m

response 1733830

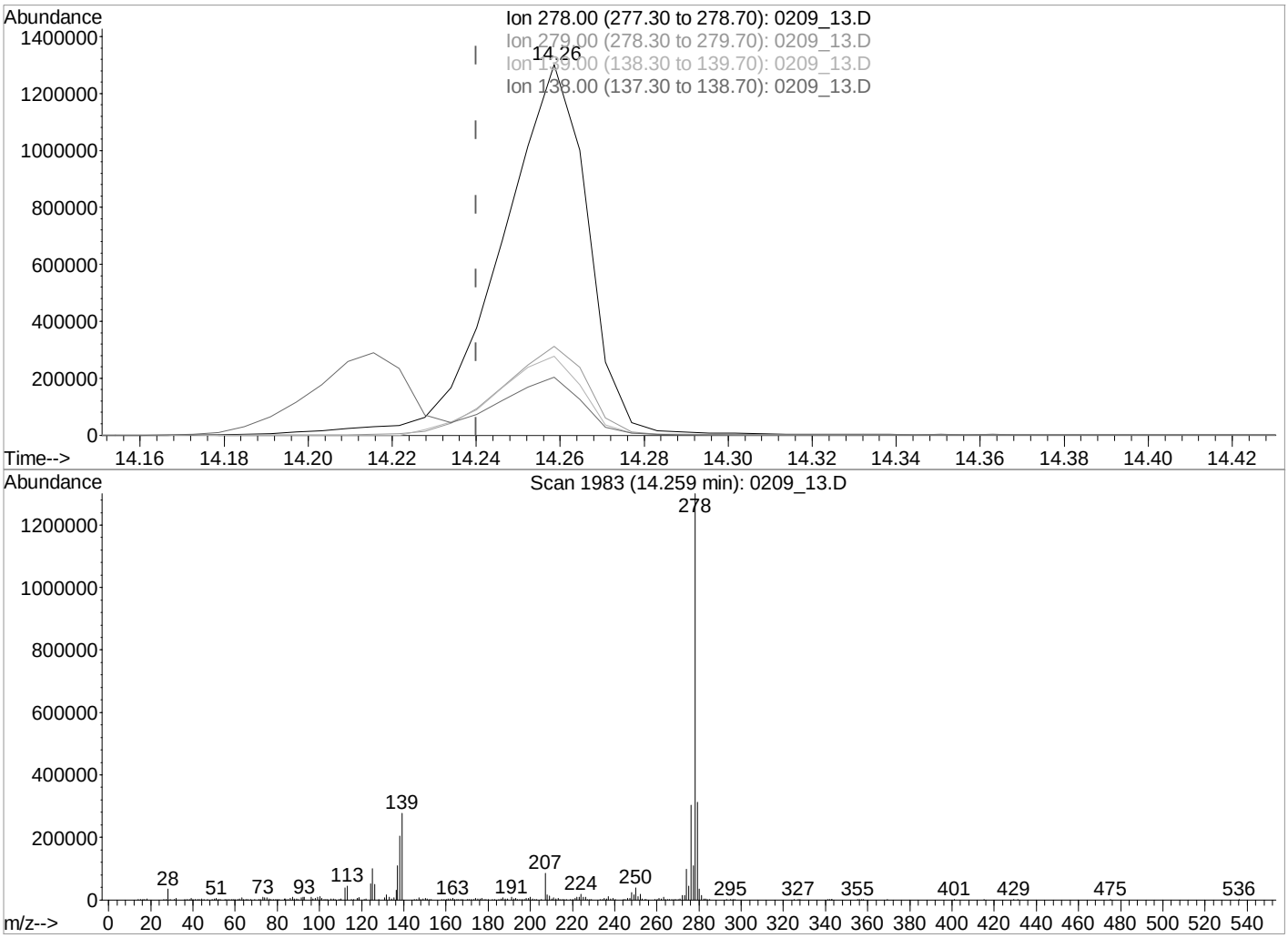
Ion	Exp%	Act%
276.00	100	100
277.00	24.10	23.27
138.00	25.30	27.03
137.00	18.00	20.45

0209_13.D S804B09V.M Mon Feb 14 16:17:41 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:18 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:14:29 2022
Response via : Multiple Level Calibration



TIC: 0209_13.D

(99) Dibenz(a,h)anthracene (MT)

14.26min (+0.019) 48815.3733897 ppb m

response 1877713

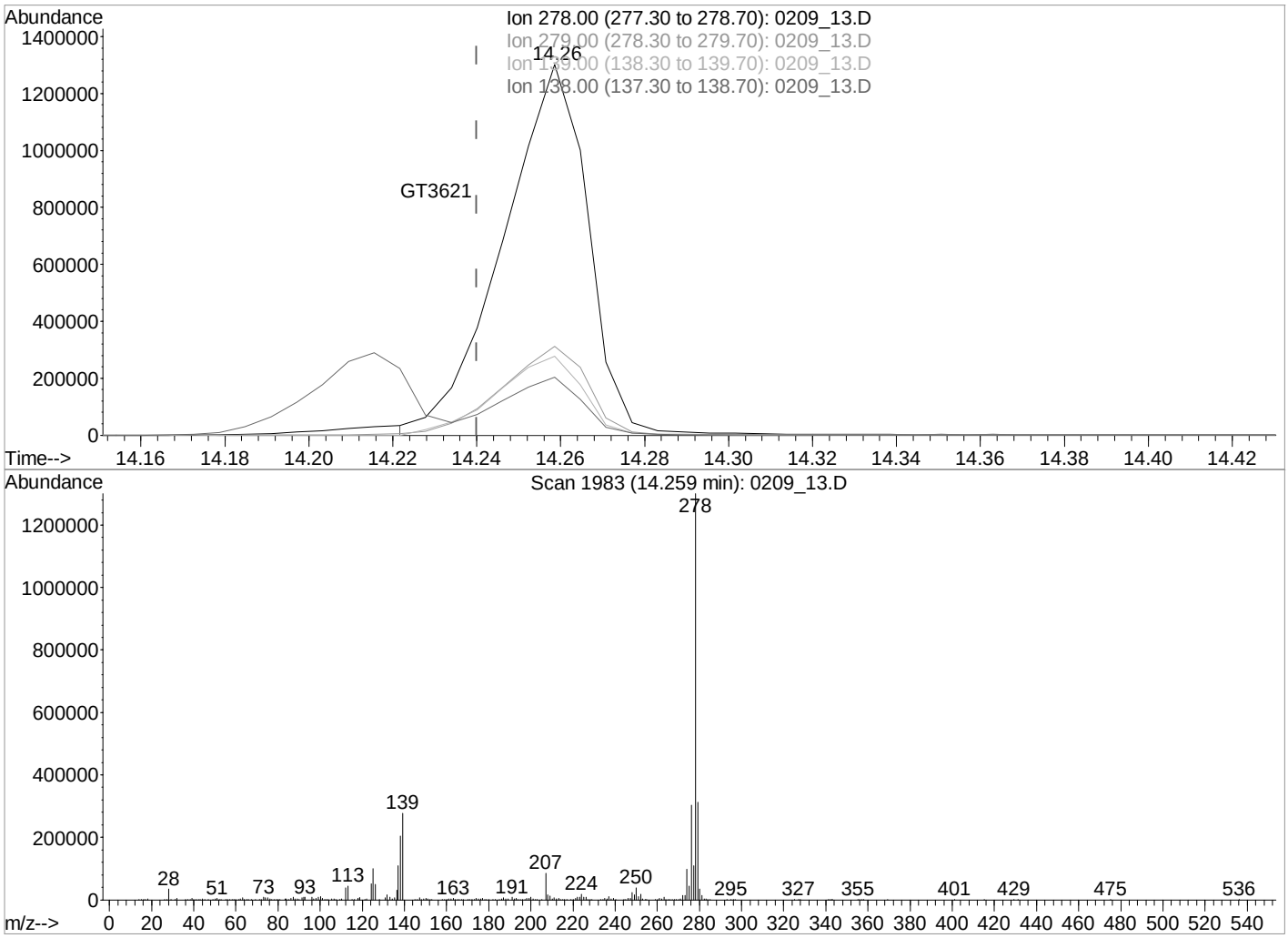
Ion	Exp%	Act%
278.00	100	100
279.00	24.40	24.02
139.00	22.10	21.24
138.00	16.70	15.70

0209_13.D S804B09V.M Mon Feb 14 16:18:21 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:18 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:14:29 2022
Response via : Multiple Level Calibration



TIC: 0209_13.D

(99) Dibenz(a,h)anthracene (MT)

14.26min (+0.019) 47566.6475034 ppb m

response 1829680

Ion	Exp%	Act%
278.00	100	100
279.00	24.40	24.02
139.00	22.10	21.24
138.00	16.70	15.70

0209_13.D S804B09V.M Mon Feb 14 16:18:35 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 15.D Vial: 12
Acq On : 9 Feb 2022 1:51 pm Operator: 917
Sample : STD TCL 4K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:24 2022 Quant Results File: S804B09V.RES

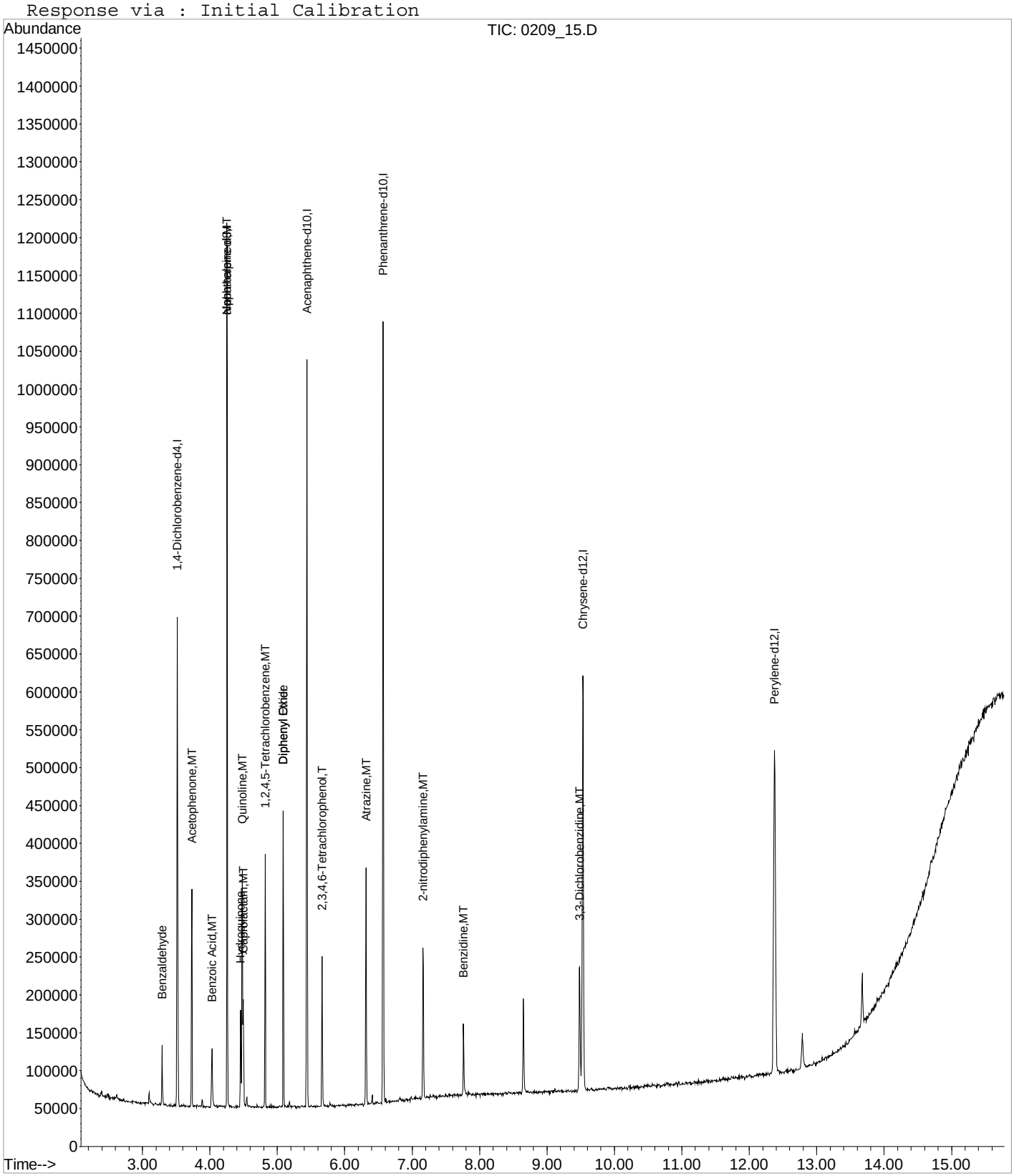
Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:23:05 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	81654	8000.00	ppb	0.00
23) Naphthalene-d8	4.26	136	334983	8000.00	ppb	0.00
46) Acenaphthene-d10	5.44	164	163201	8000.00	ppb	0.00
70) Phenanthrene-d10	6.57	188	305950	8000.00	ppb	0.00
84) Chrysene-d12	9.53	240	267428	8000.00	ppb	0.00
94) Perylene-d12	12.37	264	282139	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
7) Phenol-d5	0.00	99	0d	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.00	82	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.00	172	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.00	244	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.29	105	14487	3988.9621728	ppb	93
22) Acetophenone	3.73	105	65150	3858.1826323	ppb	99
31) Benzoic Acid	4.03	105	18644	3581.9887151	ppb	99
33) alpha-terpineol	4.25	59	44003	4561.5078513	ppb	98
37) Hydroquinone	4.46	110	31357	3954.3453573	ppb	98
38) Quinoline	4.48	129	94131	4566.3745617	ppb	98
39) Caprolactam	4.49	113	8784	3805.5673121	ppb	95
43) 1,2,4,5-Tetrachlorobenzene	4.82	216	42391	4650.8872010	ppb	100
44) Diphenyl Ether	5.09	170	60249	4582.2445482	ug/ml	97
45) Diphenyl Oxide	5.09	170	60249	4582.2445482	ug/ml	97
62) 2,3,4,6-Tetrachlorophenol	5.67	232	18117	3892.8021929	ppb	95
69) Atrazine	6.32	200	26177	3922.3101062	ppb	95
82) 2-nitrodiphenylamine	7.16	167	24613	3523.7990565	ppb #	100
85) Benzidine	7.76	184	40054	2829.4094773	ppb	99
89) 3,3-Dichlorobenzidine	9.49	252	52096	3783.8744076	ppb	98

(#) = qualifier out of range (m) = manual integration
0209_15.D S804B09V.M Fri Feb 18 15:25:33 2022 Page 1

Data File : C:\MSDCHEM\1\DATA\020922\0209 15.D Vial: 12
Acq On : 9 Feb 2022 1:51 pm Operator: 917
Sample : STD TCL 4K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:24 2022 Quant Results File: S804B09V.RES

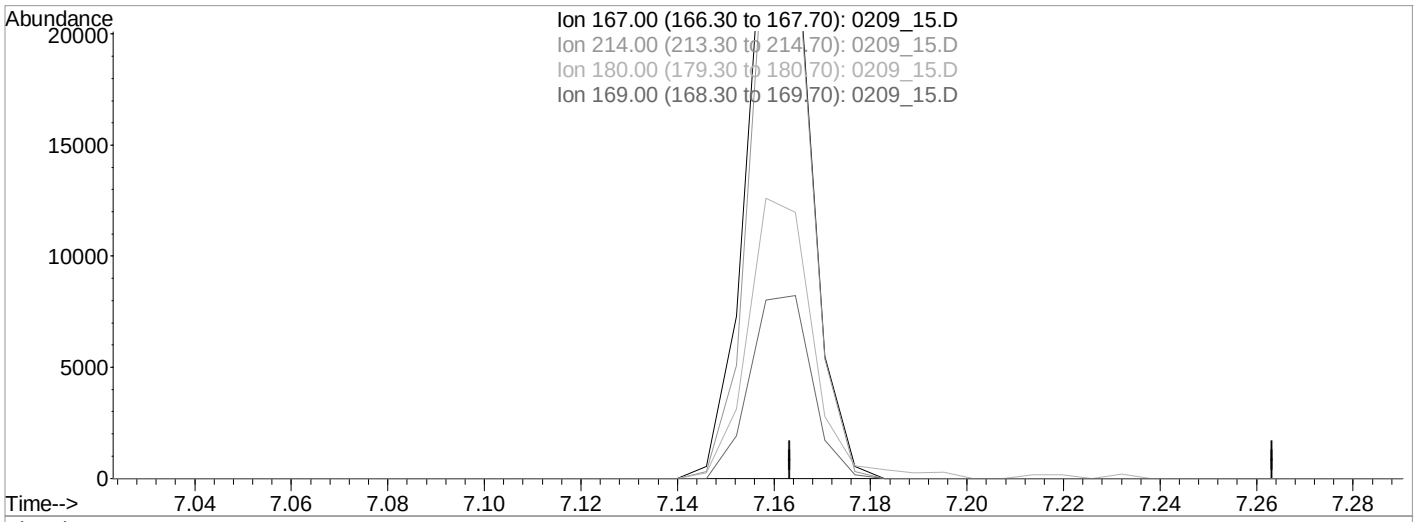
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:23:05 2022
Response via : Initial Calibration

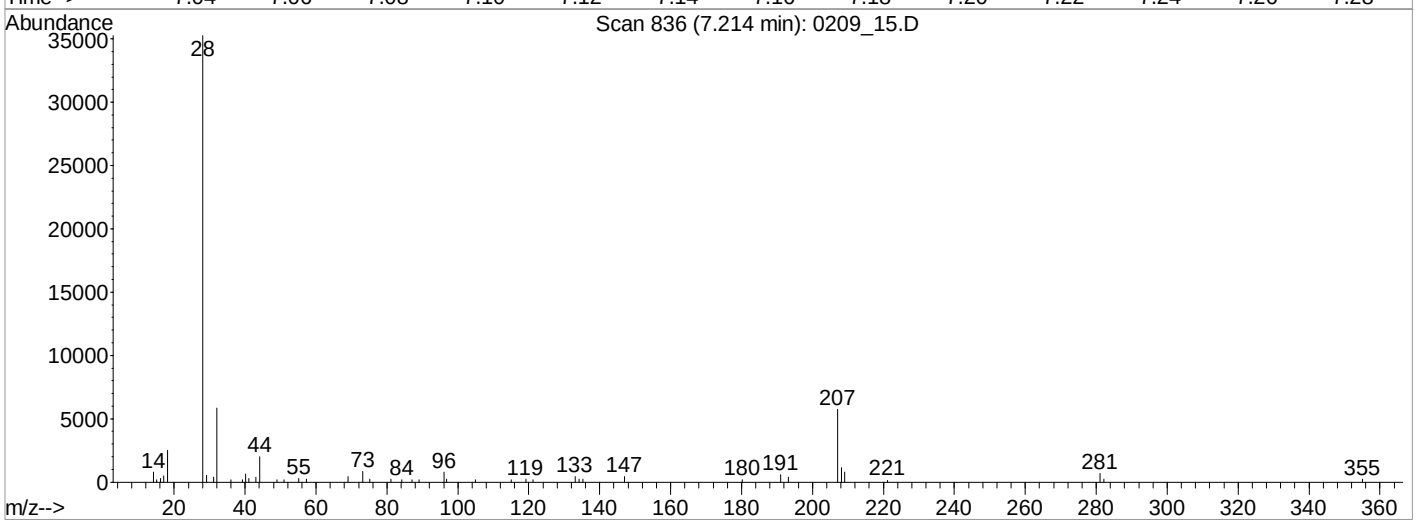


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 15.D Vial: 12
Acq On : 9 Feb 2022 1:51 pm Operator: 917
Sample : STD TCL 4K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 13:57 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:26:53 2022
Response via : Single Level Calibration





TIC: 0209_15.D

(82) 2-nitrodiphenylamine (MT)

7.21min (-7.213) 0.0000000 ppb

Qvalue = 0

response 0

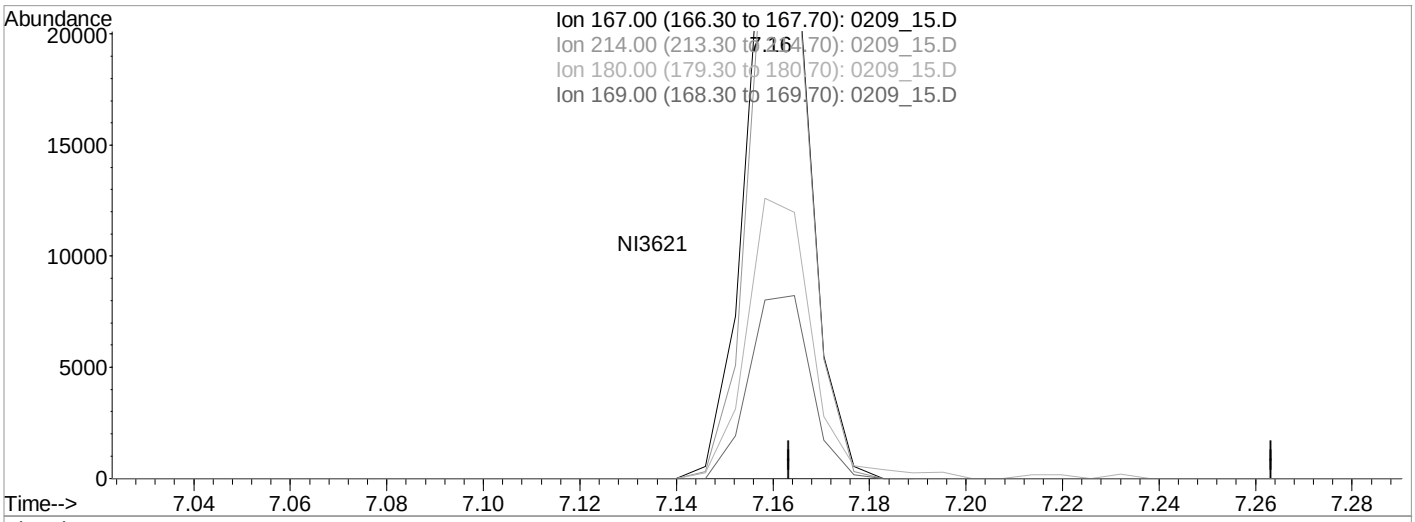
Ion	Exp%	Act%
167.00	100	0.00
214.00	0.00	0.00
180.00	0.00	0.00
169.00	0.00	0.00

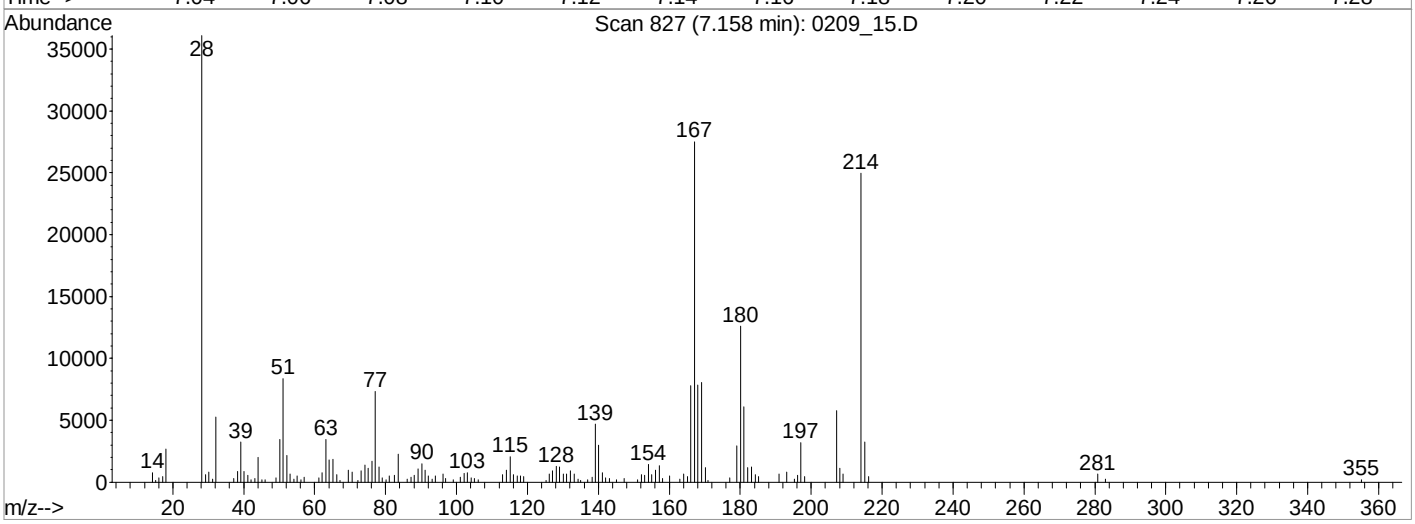
0209_15.D S804B09V.M Mon Feb 14 16:28:47 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 15.D Vial: 12
Acq On : 9 Feb 2022 1:51 pm Operator: 917
Sample : STD TCL 4K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:28 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:26:53 2022
Response via : Single Level Calibration





TIC: 0209_15.D

(82) 2-nitrodiphenylamine (MT)

7.16min (-0.055) 0.0000000 ppb m

response 24613

Ion	Exp%	Act%
167.00	100	100
214.00	0.00	0.00
180.00	0.00	0.00
169.00	0.00	0.00

0209_15.D S804B09V.M Mon Feb 14 16:29:01 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 16.D Vial: 13
Acq On : 9 Feb 2022 2:11 pm Operator: 917
Sample : MSTD TCL 10K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:12 2022 Quant Results File: S804B09V.RES

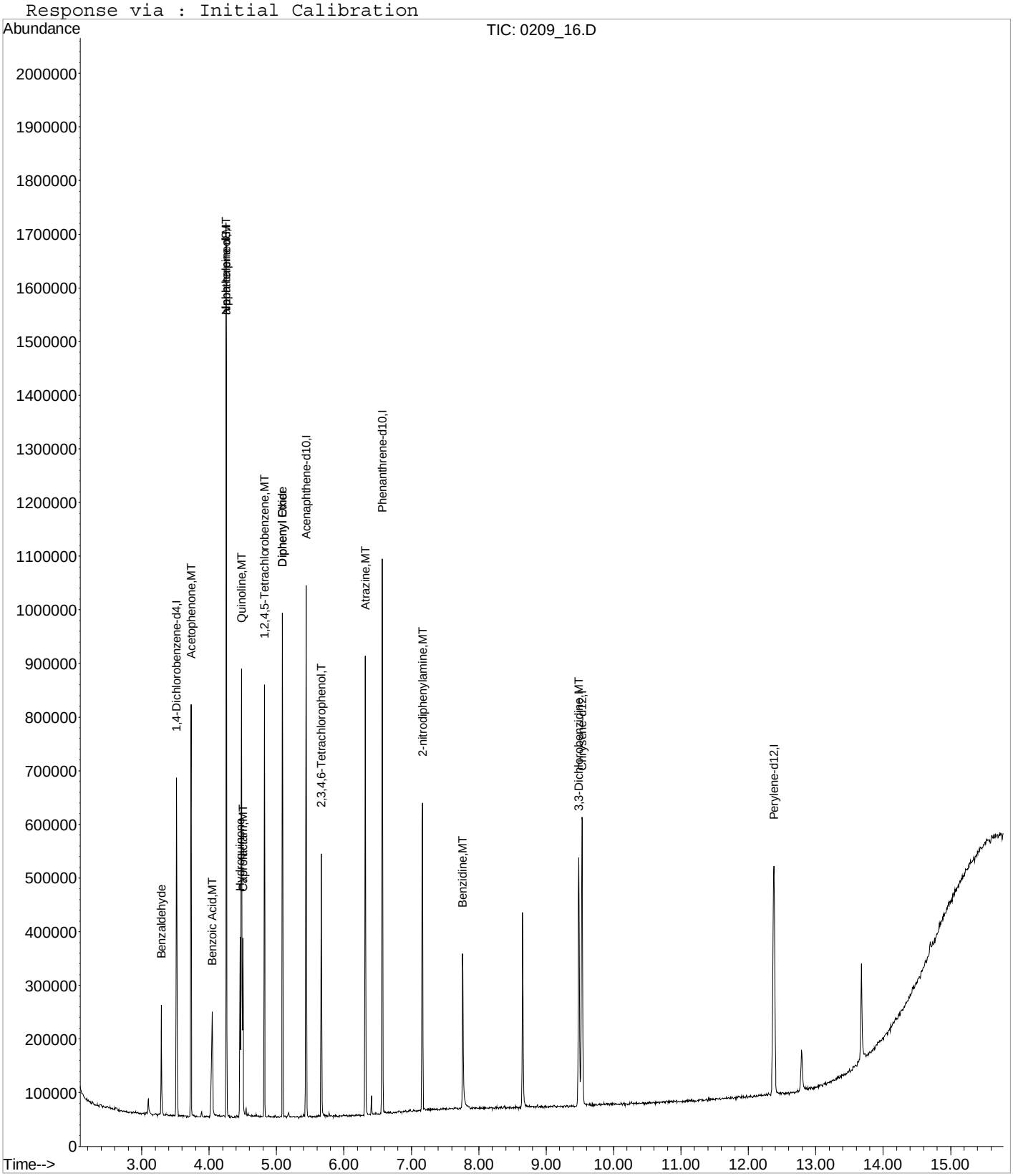
Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:11:22 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	80802	8000.00	ppb	0.00
23) Naphthalene-d8	4.26	136	355632	8000.00	ppb	0.00
46) Acenaphthene-d10	5.44	164	160695	8000.00	ppb	0.00
70) Phenanthrene-d10	6.57	188	305525	8000.00	ppb	0.00
84) Chrysene-d12	9.53	240	266241	8000.00	ppb	0.00
94) Perylene-d12	12.38	264	277583	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
7) Phenol-d5	0.00	99	0d	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.00	82	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.00	172	0d	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.00	244	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.29	105	34568	9618.5822945	ppb	100
22) Acetophenone	3.73	105	164650	9853.3849640	ppb	100
31) Benzoic Acid	4.04	105	61639	11154.8218541	ppb	100
33) alpha-terpineol	4.25	59	113780	11109.9986247	ppb	100
37) Hydroquinone	4.46	110	74981	8906.6267747	ppb	100
38) Quinoline	4.48	129	235712	10770.6642496	ppb	100
39) Caprolactam	4.50	113	23969	9781.3529859	ppb	100
43) 1,2,4,5-Tetrachlorobenzene	4.82	216	105301	10882.1968071	ppb	100
44) Diphenyl Ether	5.09	170	155858	11165.5328771	ug/ml	100
45) Diphenyl Oxide	5.09	170	155858	11165.5328771	ug/ml	100
62) 2,3,4,6-Tetrachlorophenol	5.67	232	45074	9836.0924902	ppb	100
69) Atrazine	6.32	200	67082	10208.1844301	ppb	100
82) 2-nitrodiphenylamine	7.16	167	72572	10161.7203217	ppb #	100
85) Benzidine	7.76	184	134678	9556.0521113	ppb	100
89) 3,3-Dichlorobenzidine	9.49	252	138838	10164.4628275	ppb	100

(#) = qualifier out of range (m) = manual integration
0209_16.D S804B09V.M Fri Feb 18 15:13:48 2022 Page 1

Data File : C:\MSDCHEM\1\DATA\020922\0209 16.D Vial: 13
Acq On : 9 Feb 2022 2:11 pm Operator: 917
Sample : MSTD TCL 10K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:12 2022 Quant Results File: S804B09V.RES

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:11:22 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050422B\0504B 04.D Vial: 4
Acq On : 4 May 2022 8:30 pm Operator: 3545
Sample : ICV TCL 10K1 PPB 22D19628 exp 09/10/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 5 16:01 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

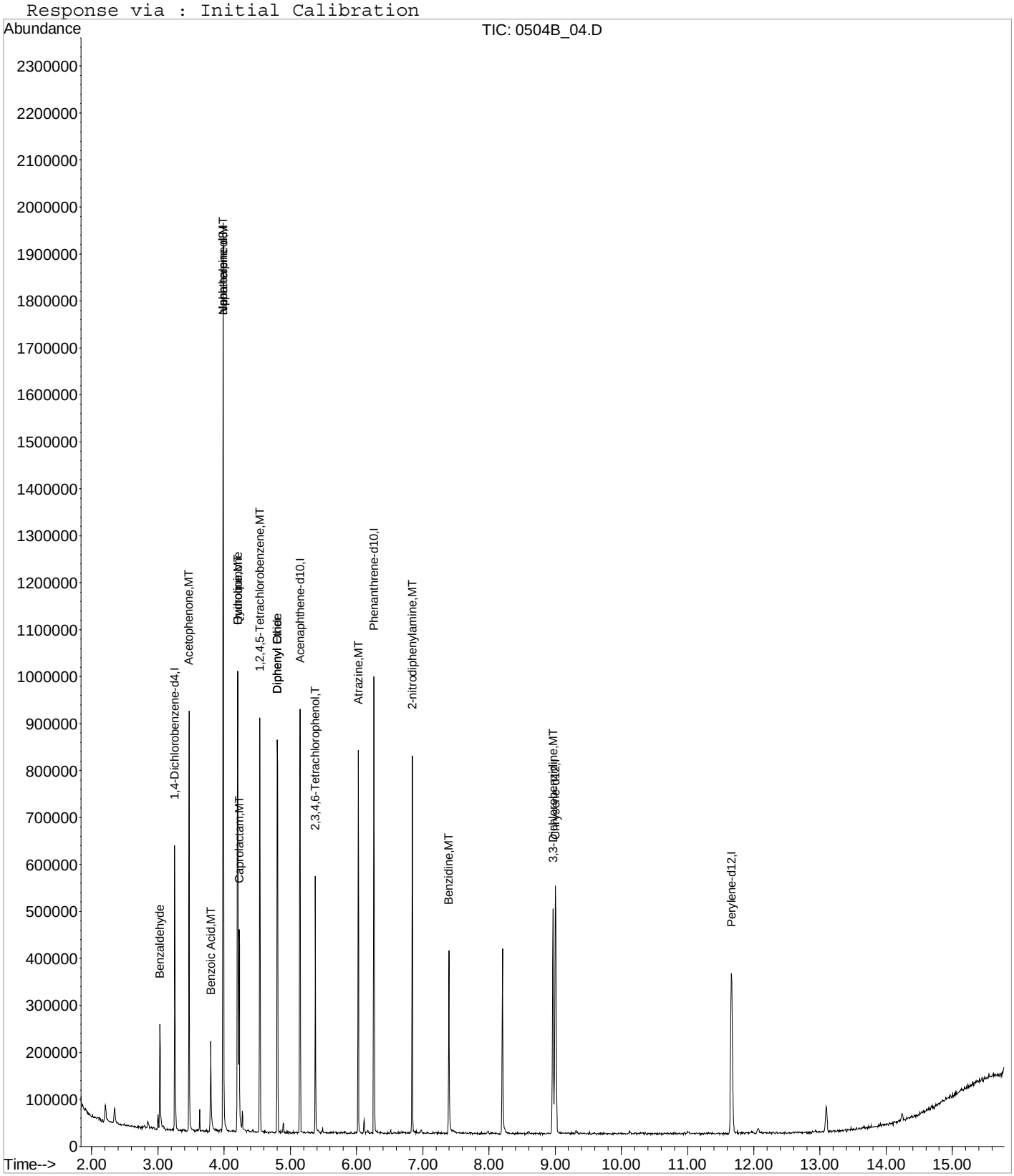
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	73015	8000.00	ppb	0.00
23) Naphthalene-d8	3.98	136	326671	8000.00	ppb	0.00
46) Acenaphthene-d10	5.15	164	140220	8000.00	ppb	0.00
70) Phenanthrene-d10	6.26	188	265524	8000.00	ppb	0.00
84) Chrysene-d12	9.00	240	228051	8000.00	ppb	0.00
94) Perylene-d12	11.66	264	216467	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
7) Phenol-d5	0.00	99	0d	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.00	82	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.00	172	0d	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.00	244	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.03	105	37553	11563.5576519	ppb #	88
22) Acetophenone	3.47	105	174657	11566.9732918	ppb	96
31) Benzoic Acid	3.80	105	51228	9584.7085299	ppb	94
33) alpha-terpineol	3.98	59	120439	11752.9375562	ppb	96
37) Hydroquinone	4.21	110	72844m	10246.0904601	ppb	
38) Quinoline	4.21	129	226702	10414.3753050	ppb	100
39) Caprolactam	4.23	113	30661	13621.5202940	ppb #	81
43) 1,2,4,5-Tetrachlorobenzene	4.54	216	102104	11677.3256633	ppb	99
44) Diphenyl Ether	4.81	170	138570	9934.7053971	ug/ml#	87
45) Diphenyl Oxide	4.81	170	138570	9934.7053971	ug/ml#	87
62) 2,3,4,6-Tetrachlorophenol	5.38	232	46425	11610.2298348	ppb	99
69) Atrazine	6.02	200	60218	10501.7393261	ppb	98
82) 2-nitrodiphenylamine	6.84	167	76767	11463.4210047	ppb #	100
85) Benzidine	7.39	184	138285	10272.0957612	ppb	99
89) 3,3-Dichlorobenzidine	8.97	252	124301	10587.2179159	ppb	99

(#) = qualifier out of range (m) = manual integration
0504B_04.D S804E04BV.M Thu May 05 16:01:48 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050422B\0504B 04.D Vial: 4
Acq On : 4 May 2022 8:30 pm Operator: 3545
Sample : ICV TCL 10K1 PPB 22D19628 exp 09/10/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 5 16:01 2022 Quant Results File: S804E04BV.RES

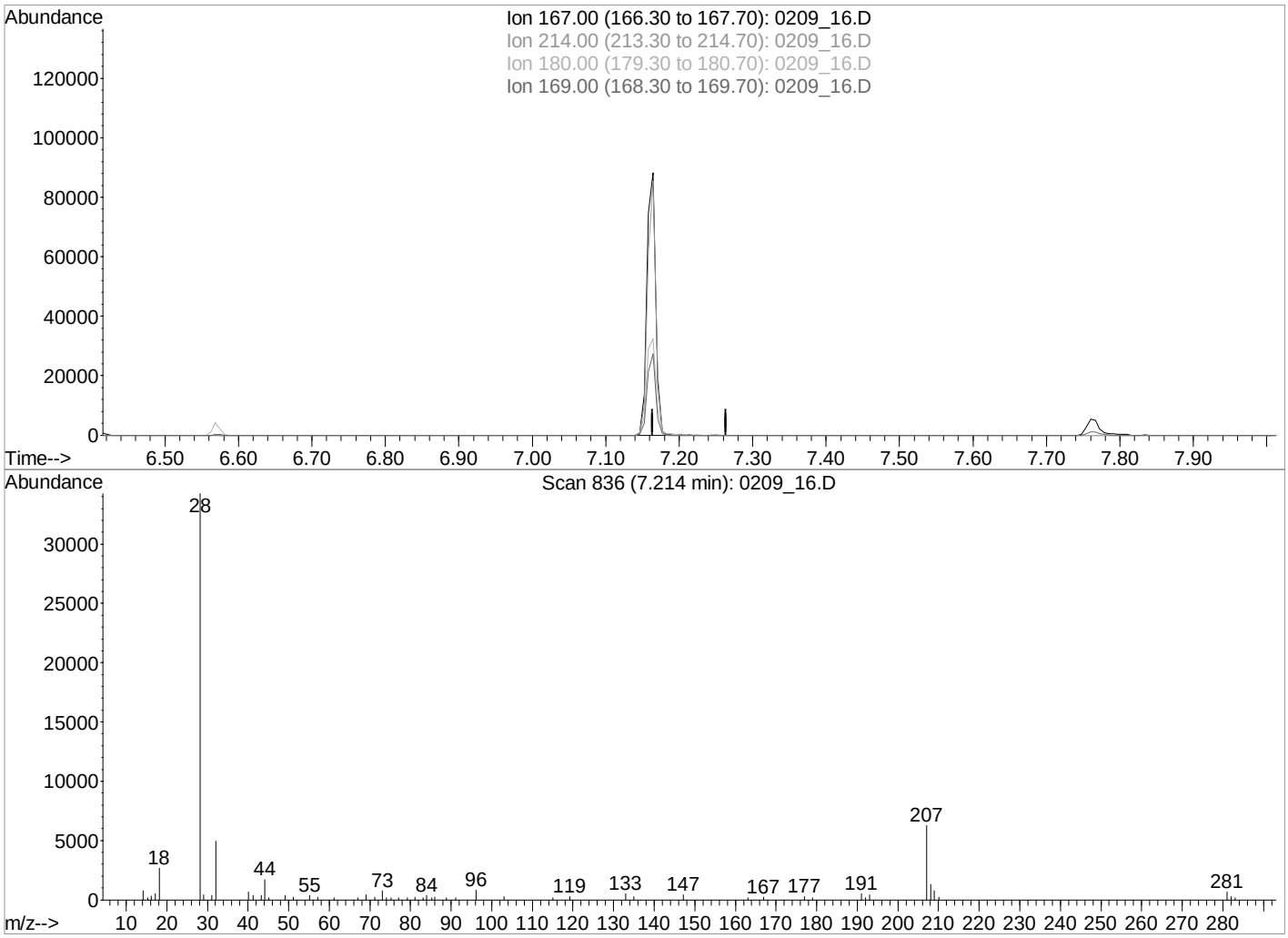
Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 16.D Vial: 13
Acq On : 9 Feb 2022 2:11 pm Operator: 917
Sample : MSTD TCL 10K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 11:56 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:30:22 2022
Response via : Single Level Calibration



TIC: 0209_16.D

(82) 2-nitrodiphenylamine (MT)

7.21min (-7.213) 0.0000000 ppb

Qvalue = 0

response 0

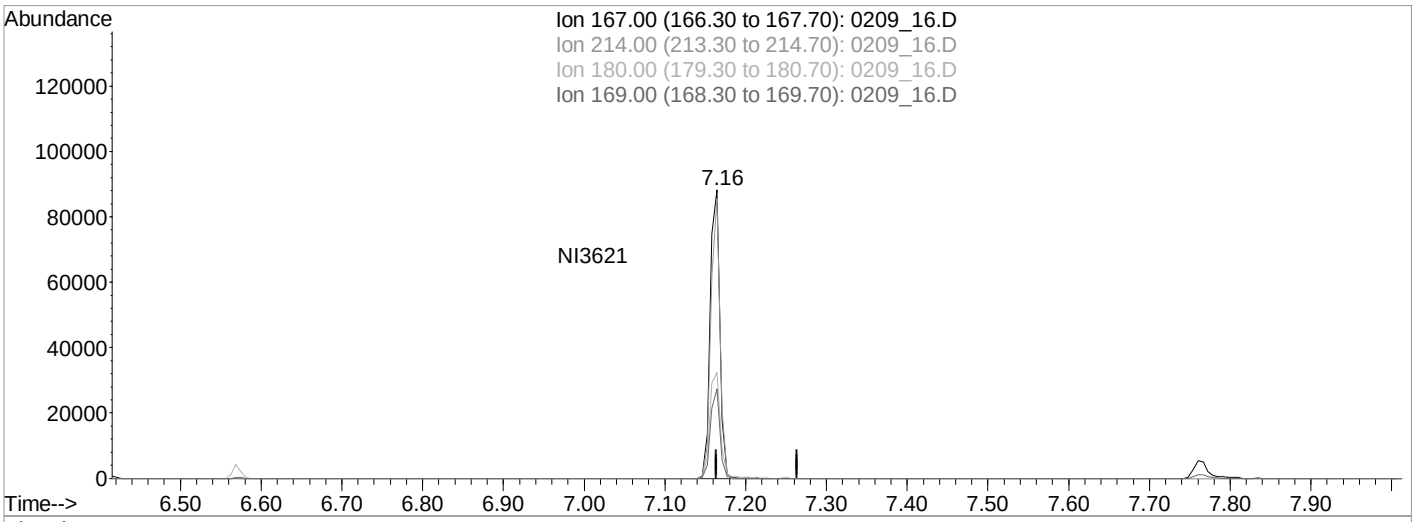
Ion	Exp%	Act%
167.00	100	0.00
214.00	0.00	0.00
180.00	0.00	0.00
169.00	0.00	0.00

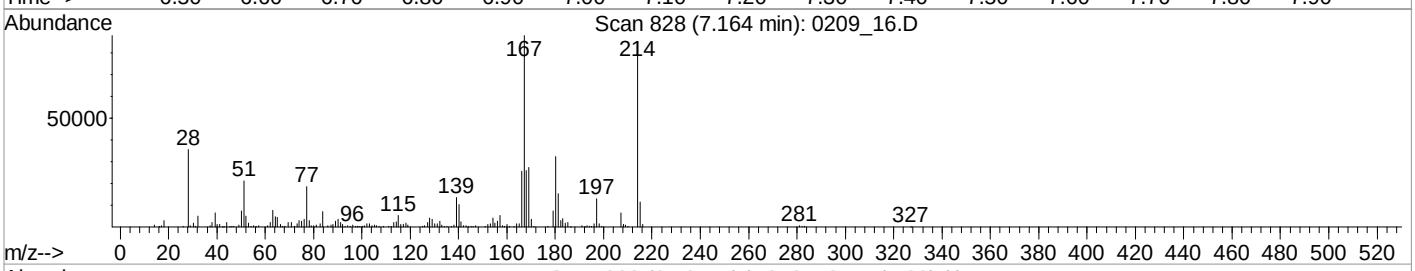
0209_16.D S804B09V.M Mon Feb 14 16:33:10 2022

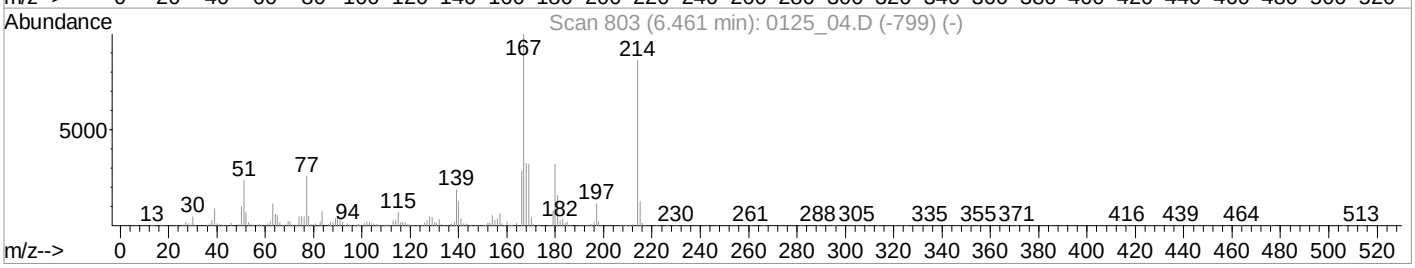
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 16.D Vial: 13
Acq On : 9 Feb 2022 2:11 pm Operator: 917
Sample : MSTD TCL 10K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 11:56 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:30:22 2022
Response via : Single Level Calibration







TIC: 0209_16.D

(82) 2-nitrodiphenylamine (MT)

7.21min (-7.213) 0.0000000 ppb

Qvalue = 0

response 0

Ion	Exp%	Act%
167.00	100	0.00
214.00	0.00	0.00
180.00	0.00	0.00
169.00	0.00	0.00

0209_16.D S804B09V.M Mon Feb 14 16:33:40 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 17.D Vial: 14
Acq On : 9 Feb 2022 2:32 pm Operator: 917
Sample : STD TCL 20K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:27 2022 Quant Results File: S804B09V.RES

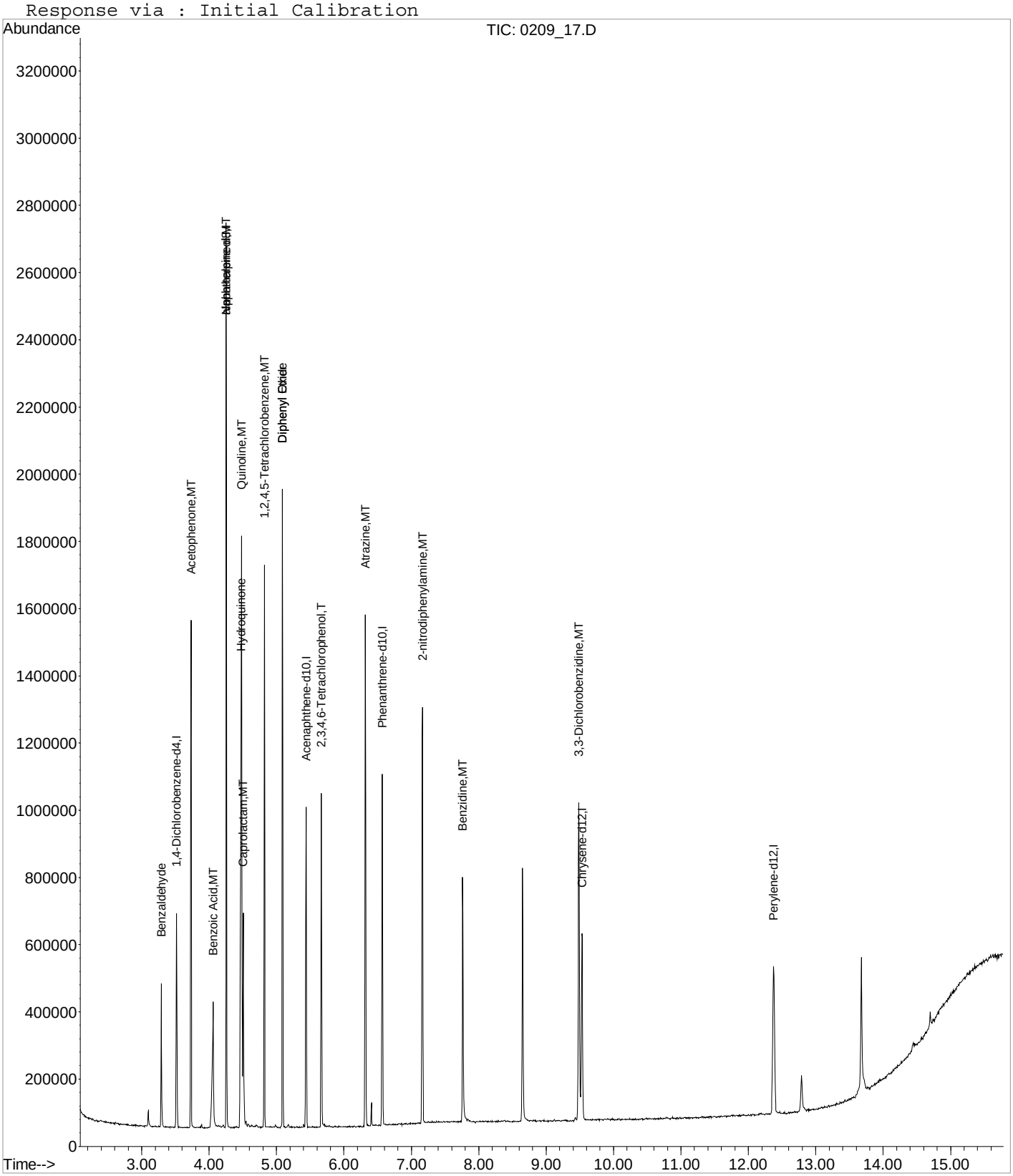
Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:25:47 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	80706	8000.00	ppb	0.00
23) Naphthalene-d8	4.25	136	399771	8000.00	ppb	0.00
46) Acenaphthene-d10	5.44	164	165153	8000.00	ppb	0.00
70) Phenanthrene-d10	6.57	188	310543	8000.00	ppb	0.00
84) Chrysene-d12	9.53	240	267602	8000.00	ppb	0.00
94) Perylene-d12	12.37	264	278906	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
7) Phenol-d5	0.00	99	0d	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.00	82	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.00	172	0d	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.00	244	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.29	105	70662	19685.1634252	ppb	97
22) Acetophenone	3.73	105	331215	19844.9495807	ppb	100
31) Benzoic Acid	4.06	105	142776	22985.3864980	ppb	97
33) alpha-terpineol	4.25	59	228650	19861.3528537	ppb	100
37) Hydroquinone	4.47	110	185756	19628.8303703	ppb	97
38) Quinoline	4.48	129	490490	19937.9498035	ppb	99
39) Caprolactam	4.50	113	57125	20737.8999620	ppb	97
43) 1,2,4,5-Tetrachlorobenzene	4.82	216	213585	19635.6089839	ppb	99
44) Diphenyl Ether	5.09	170	314838	20064.4401459	ug/ml	100
45) Diphenyl Oxide	5.09	170	314838	20064.4401459	ug/ml	100
62) 2,3,4,6-Tetrachlorophenol	5.67	232	91641	19458.1801546	ppb	98
69) Atrazine	6.32	200	137477	20355.8128288	ppb	99
82) 2-nitrodiphenylamine	7.16	167	162587	22933.0128430	ppb #	100
85) Benzidine	7.76	184	309145	21823.7641043	ppb	99
89) 3,3-Dichlorobenzidine	9.49	252	286959	20829.0616750	ppb	99

(#) = qualifier out of range (m) = manual integration
0209_17.D S804B09V.M Fri Feb 18 15:28:47 2022 Page 1

Data File : C:\MSDCHEM\1\DATA\020922\0209 17.D Vial: 14
Acq On : 9 Feb 2022 2:32 pm Operator: 917
Sample : STD TCL 20K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:27 2022 Quant Results File: S804B09V.RES

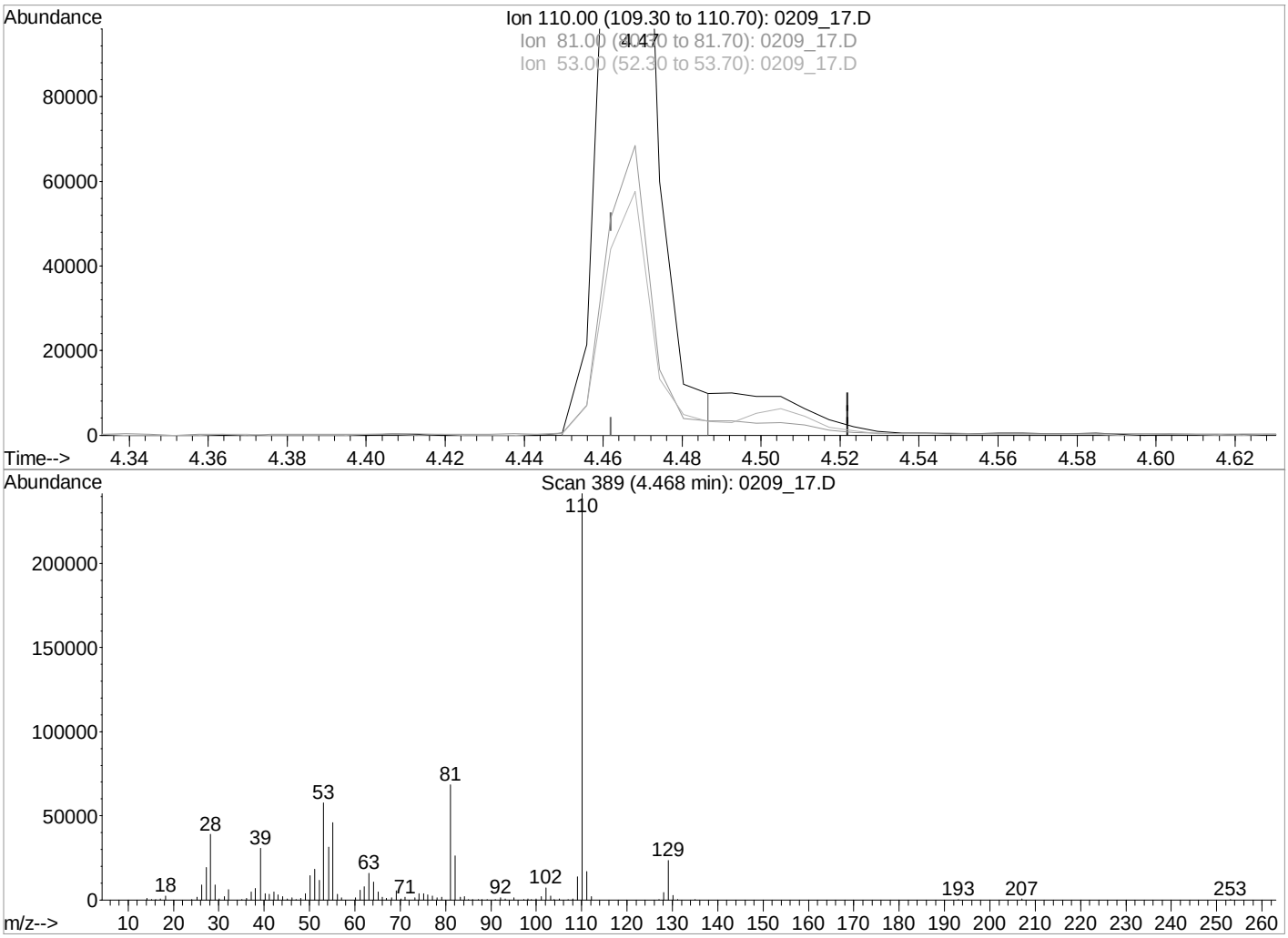
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:25:47 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 17.D Vial: 14
Acq On : 9 Feb 2022 2:32 pm Operator: 917
Sample : STD TCL 20K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:36 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:34:51 2022
Response via : Single Level Calibration



TIC: 0209_17.D

(37) Hydroquinone

4.47min (+0.006) 18327.5298072 ppb m

response 185555

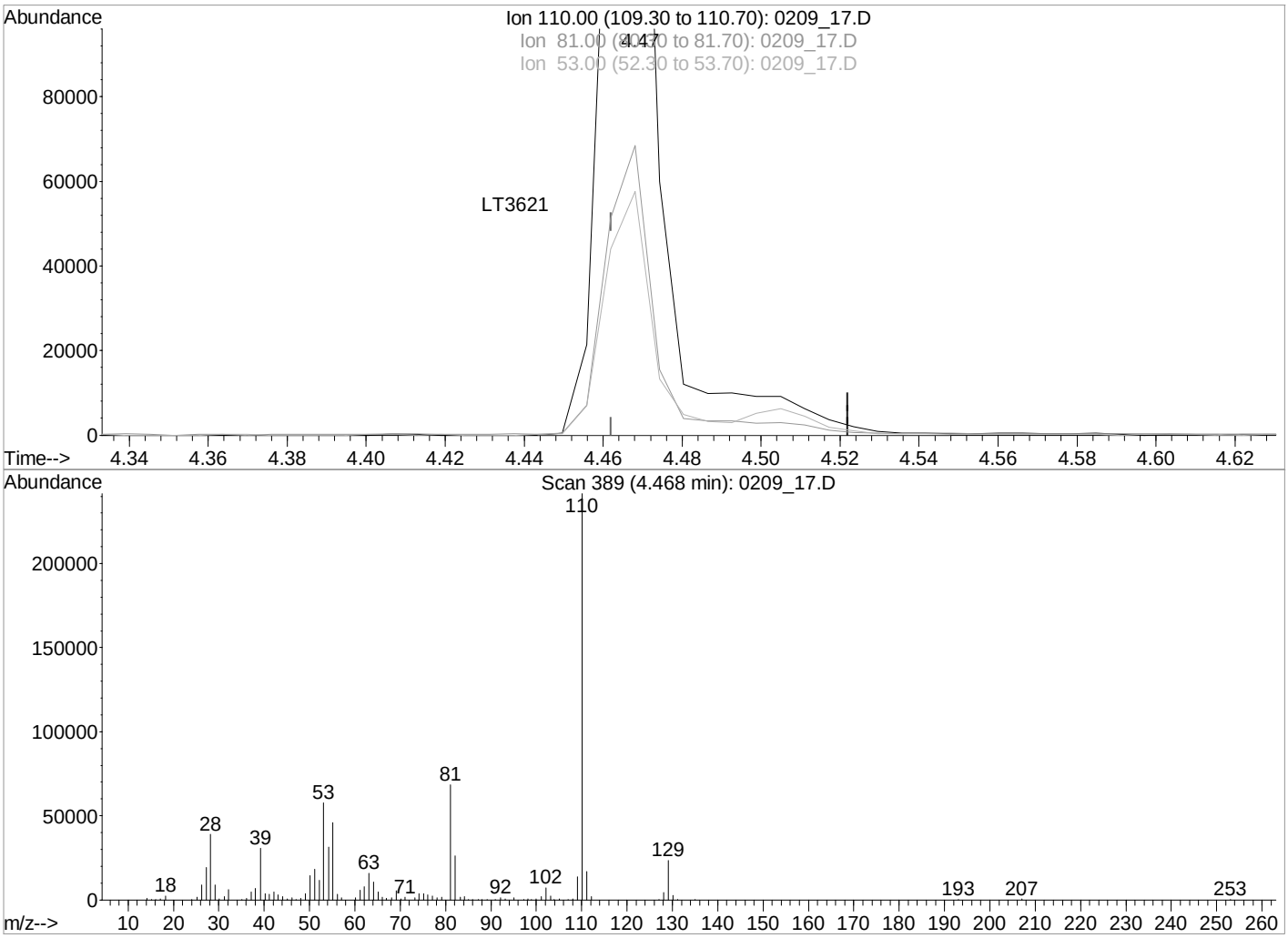
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	28.35
53.00	25.90	23.82
0.00	0.00	0.00

0209_17.D S804B09V.M Mon Feb 14 16:36:16 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 17.D Vial: 14
Acq On : 9 Feb 2022 2:32 pm Operator: 917
Sample : STD TCL 20K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:36 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:34:51 2022
Response via : Single Level Calibration



TIC: 0209_17.D

(37) Hydroquinone

4.47min (+0.006) 19899.5756395 ppb m

response 201471

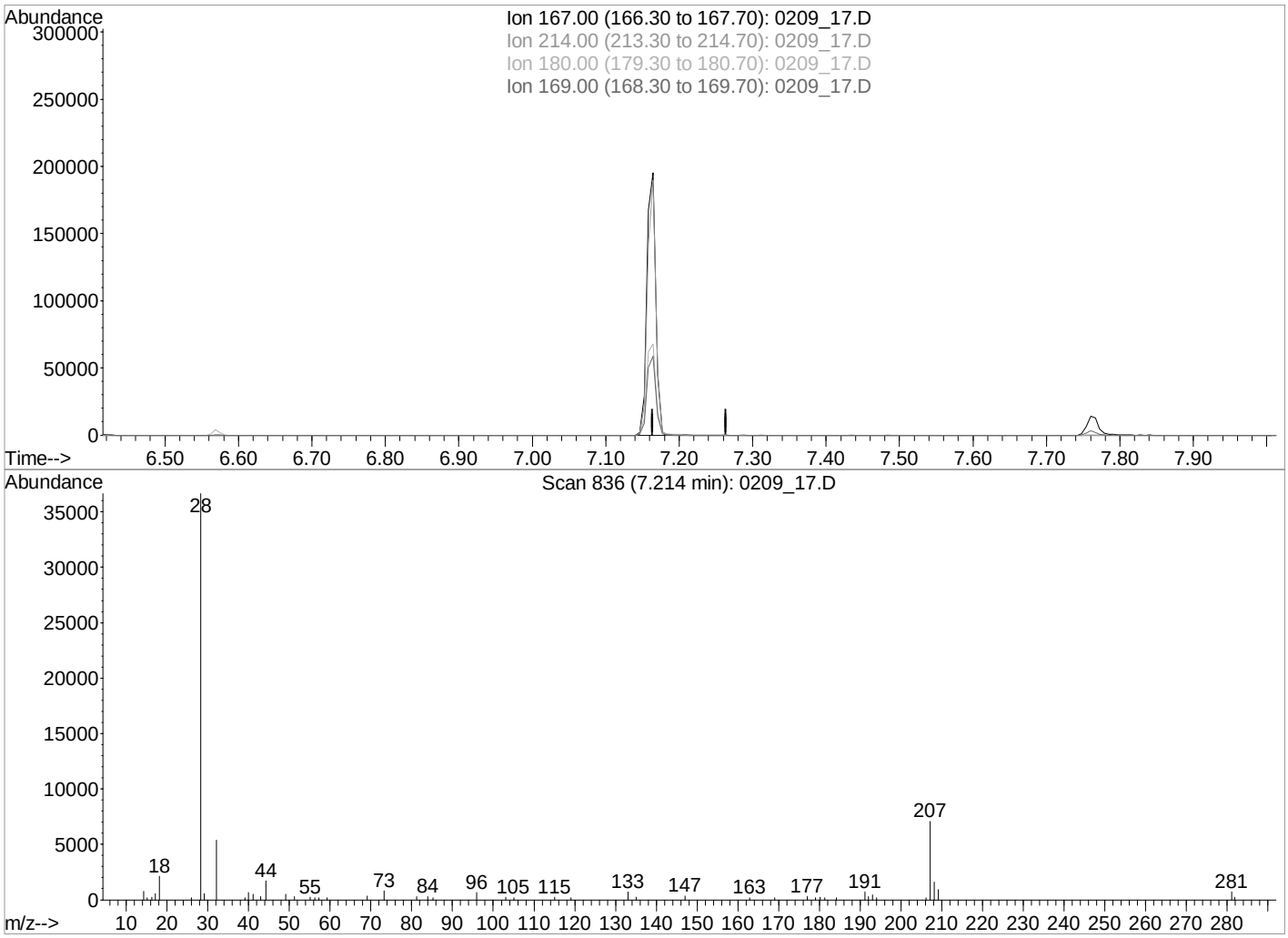
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	28.35
53.00	25.90	23.82
0.00	0.00	0.00

0209_17.D S804B09V.M Mon Feb 14 16:36:27 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 17.D Vial: 14
Acq On : 9 Feb 2022 2:32 pm Operator: 917
Sample : STD TCL 20K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:36 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:34:51 2022
Response via : Single Level Calibration



TIC: 0209_17.D

(82) 2-nitrodiphenylamine (MT)

7.21min (-7.213) 0.0000000 ppb

Qvalue = 0

response 0

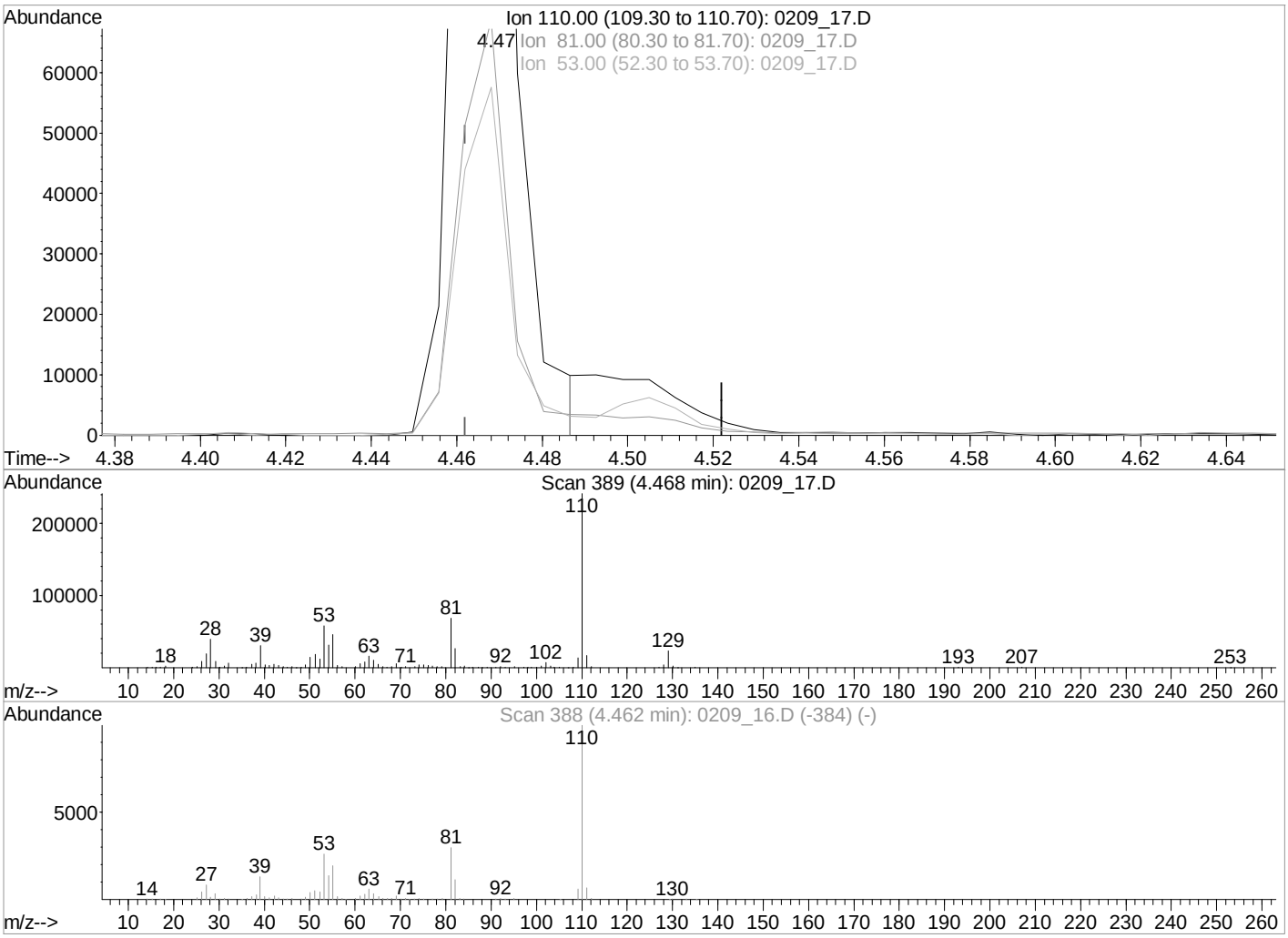
Ion	Exp%	Act%
167.00	100	0.00
214.00	0.00	0.00
180.00	0.00	0.00
169.00	0.00	0.00

0209_17.D S804B09V.M Mon Feb 14 16:36:39 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 17.D Vial: 14
Acq On : 9 Feb 2022 2:32 pm Operator: 917
Sample : STD TCL 20K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:27 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:25:47 2022
Response via : Single Level Calibration



TIC: 0209_17.D

(37) Hydroquinone

4.47min (+0.006) 19628.8303703 ppb

Qvalue = 97

response 185756

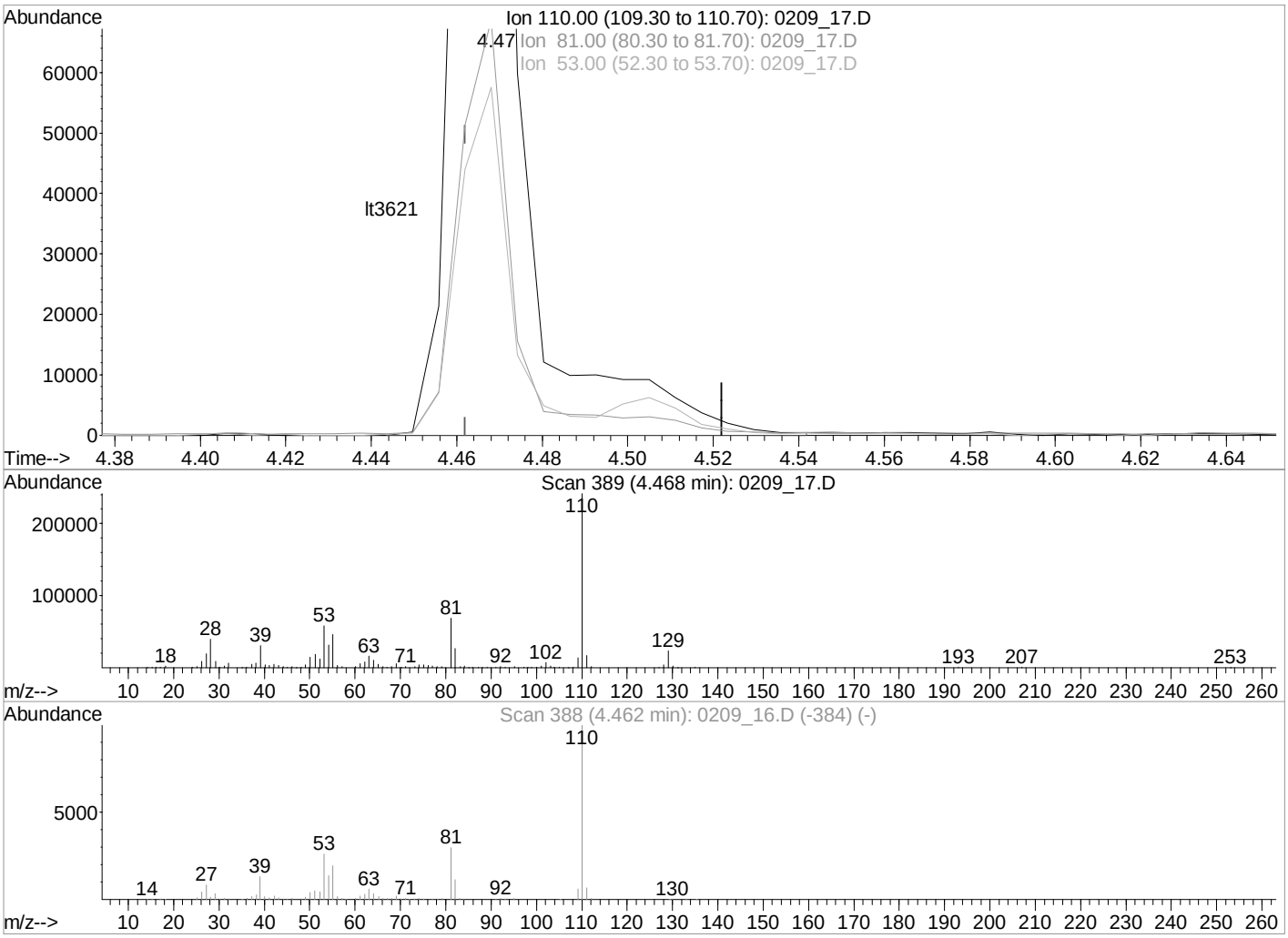
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	28.22
53.00	25.90	23.82
0.00	0.00	0.00

0209_17.D S804B09V.M Fri Feb 18 15:27:52 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 17.D Vial: 14
Acq On : 9 Feb 2022 2:32 pm Operator: 917
Sample : STD TCL 20K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:27 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:25:47 2022
Response via : Single Level Calibration



TIC: 0209_17.D

(37) Hydroquinone

4.47min (+0.006) 19628.8303703 ppb

Qvalue = 97

response 185756

Ion	Exp%	Act%
110.00	100	100
81.00	29.80	28.22
53.00	25.90	23.82
0.00	0.00	0.00

0209_17.D S804B09V.M Fri Feb 18 15:28:07 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 18.D Vial: 15
Acq On : 9 Feb 2022 2:53 pm Operator: 917
Sample : STD TCL 30K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:30 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:28:57 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

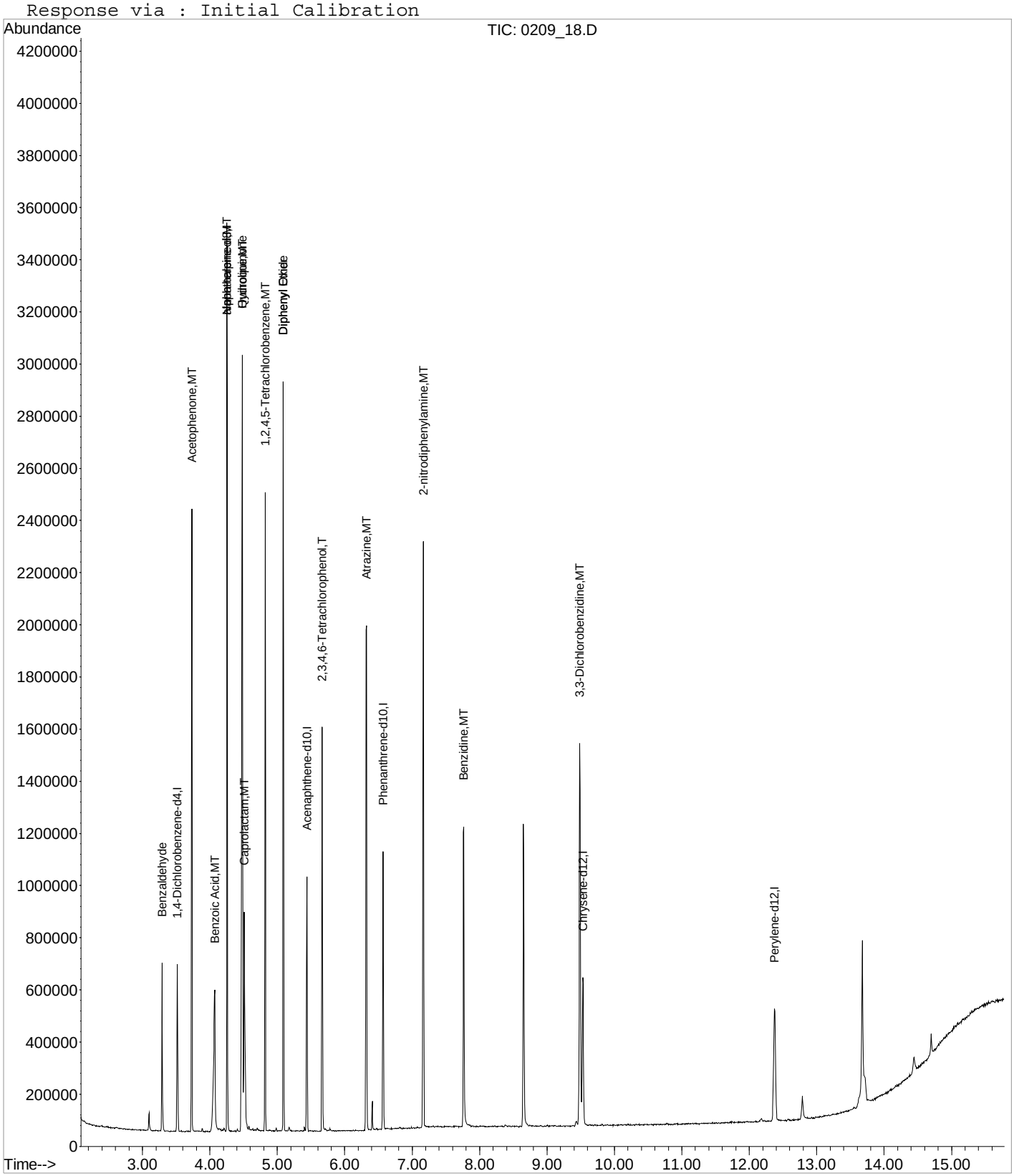
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	82108	8000.00	ppb	0.00
23) Naphthalene-d8	4.25	136	454114	8000.00	ppb	0.00
46) Acenaphthene-d10	5.44	164	168401	8000.00	ppb	0.00
70) Phenanthrene-d10	6.57	188	315216	8000.00	ppb	0.00
84) Chrysene-d12	9.53	240	275976	8000.00	ppb	0.00
94) Perylene-d12	12.37	264	284329	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
7) Phenol-d5	0.00	99	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.00	82	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.00	172	0d	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.00	244	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.29	105	106225	29087.0842194	ppb	99
22) Acetophenone	3.73	105	505456	29767.5922833	ppb	99
31) Benzoic Acid	4.08	105	230790	32708.4514047	ppb	98
33) alpha-terpineol	4.25	59	348279	26632.4613626	ppb	100
37) Hydroquinone	4.47	110	296671	27928.9894085	ppb	96
38) Quinoline	4.48	129	748414	26781.7307239	ppb	99
39) Caprolactam	4.51	113	91827	29346.4351921	ppb	97
43) 1,2,4,5-Tetrachlorobenzene	4.82	216	326532	26426.8725297	ppb	100
44) Diphenyl Ether	5.09	170	472571	26512.6637447	ug/ml	99
45) Diphenyl Oxide	5.09	170	472571	26512.6637447	ug/ml	99
62) 2,3,4,6-Tetrachlorophenol	5.67	232	141749	29517.1352371	ppb	99
69) Atrazine	6.32	200	207850	30182.1541051	ppb	99
82) 2-nitrodiphenylamine	7.16	167	262818	36543.3967385	ppb #	100
85) Benzidine	7.77	184	501082	34300.0121056	ppb	100
89) 3,3-Dichlorobenzidine	9.49	252	434215	30561.3628394	ppb	99

(#) = qualifier out of range (m) = manual integration
0209_18.D S804B09V.M Fri Feb 18 15:31:52 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 18.D Vial: 15
Acq On : 9 Feb 2022 2:53 pm Operator: 917
Sample : STD TCL 30K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:30 2022 Quant Results File: S804B09V.RES

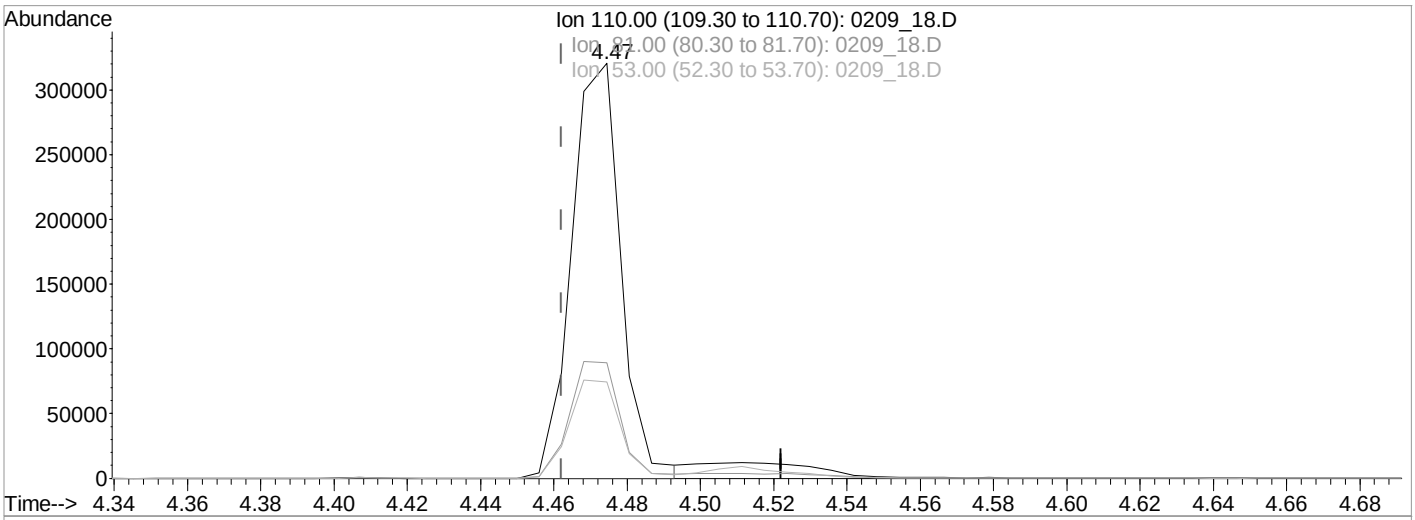
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:28:57 2022
Response via : Initial Calibration

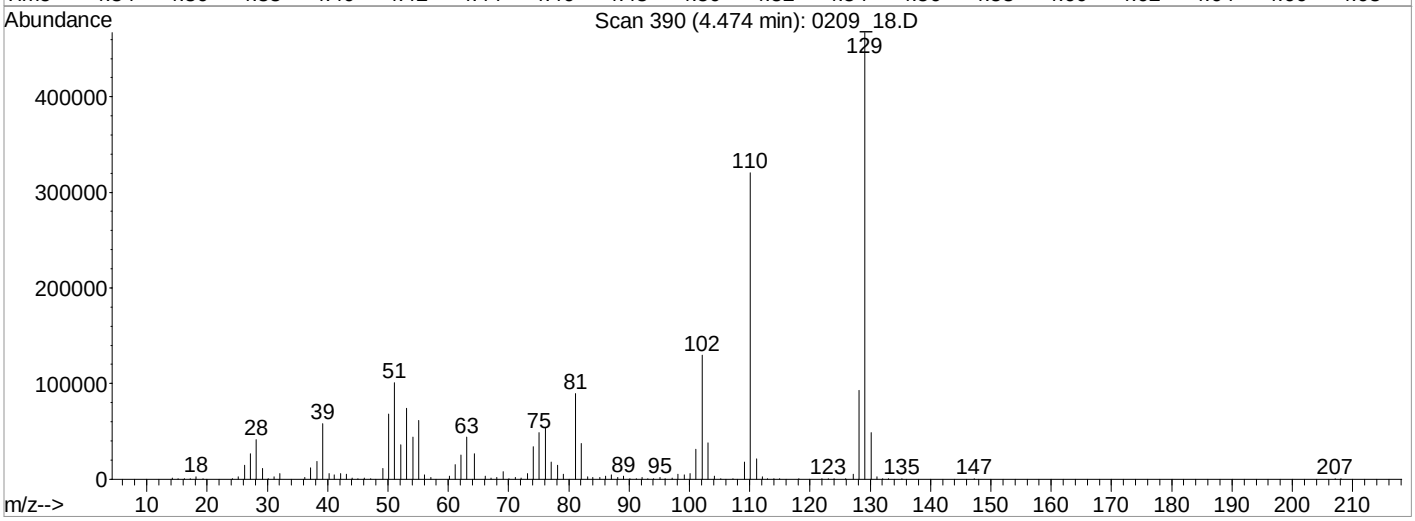


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 18.D Vial: 15
Acq On : 9 Feb 2022 2:53 pm Operator: 917
Sample : STD TCL 30K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:39 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:37:26 2022
Response via : Single Level Calibration





TIC: 0209_18.D

(37) Hydroquinone

4.47min (+0.012) 26335.0012438 ppb m

response 296613

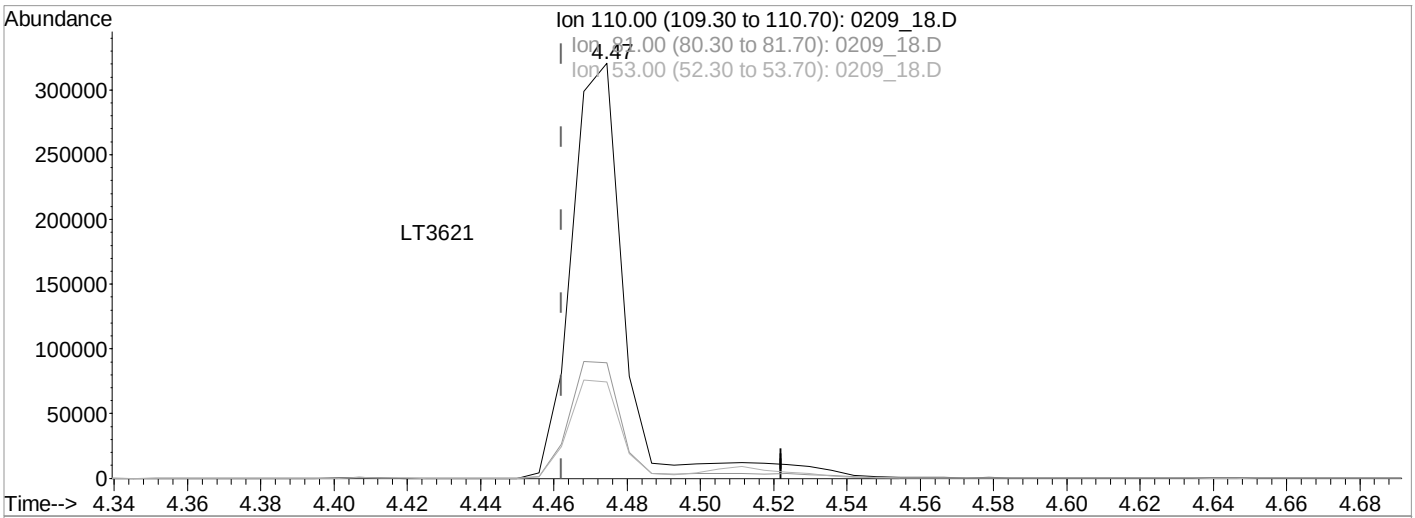
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	27.93
53.00	25.90	23.20
0.00	0.00	0.00

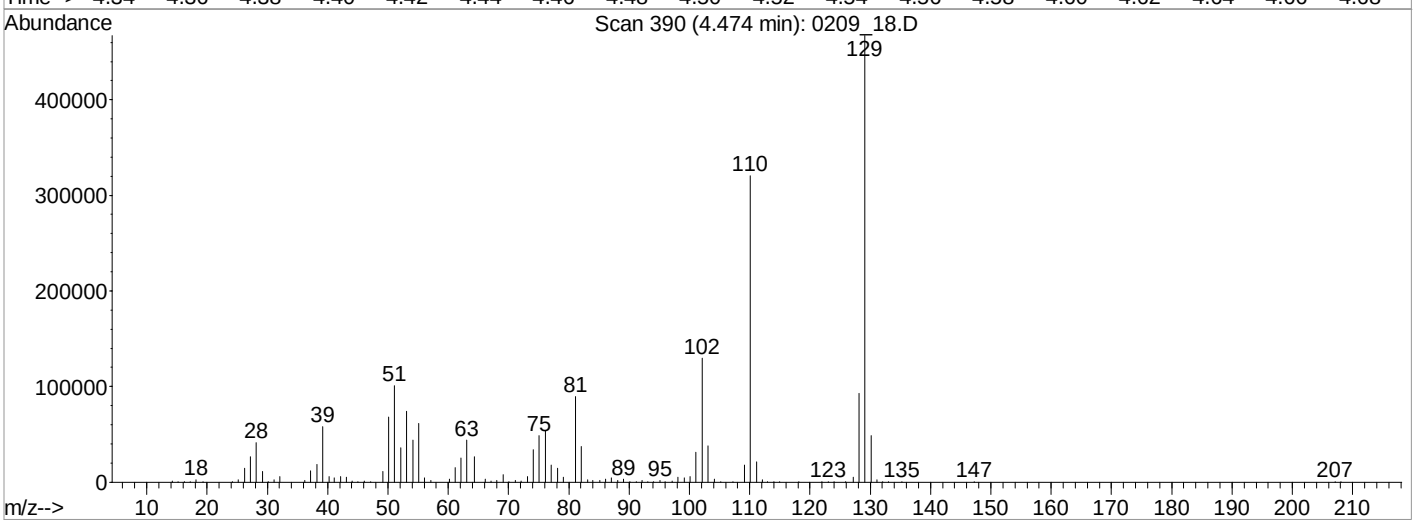
0209_18.D S804B09V.M Mon Feb 14 16:39:50 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 18.D Vial: 15
Acq On : 9 Feb 2022 2:53 pm Operator: 917
Sample : STD TCL 30K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:39 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:37:26 2022
Response via : Single Level Calibration





TIC: 0209_18.D

(37) Hydroquinone

4.47min (+0.012) 28839.3802835 ppb m

response 324820

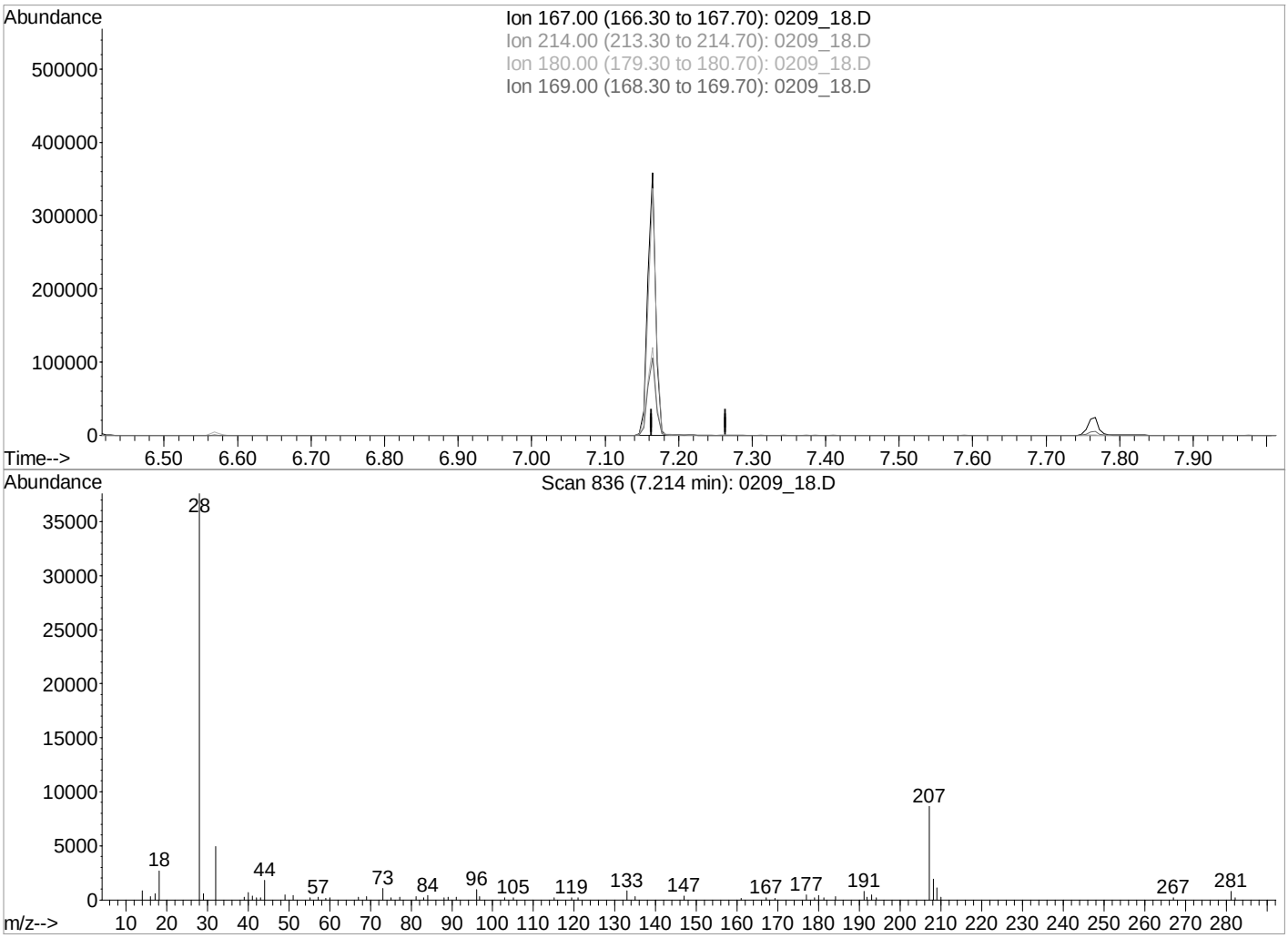
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	27.93
53.00	25.90	23.20
0.00	0.00	0.00

0209_18.D S804B09V.M Mon Feb 14 16:40:05 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 18.D Vial: 15
Acq On : 9 Feb 2022 2:53 pm Operator: 917
Sample : STD TCL 30K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:39 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:37:26 2022
Response via : Single Level Calibration



TIC: 0209_18.D

(82) 2-nitrodiphenylamine (MT)

7.21min (-7.213) 0.0000000 ppb

Qvalue = 0

response 0

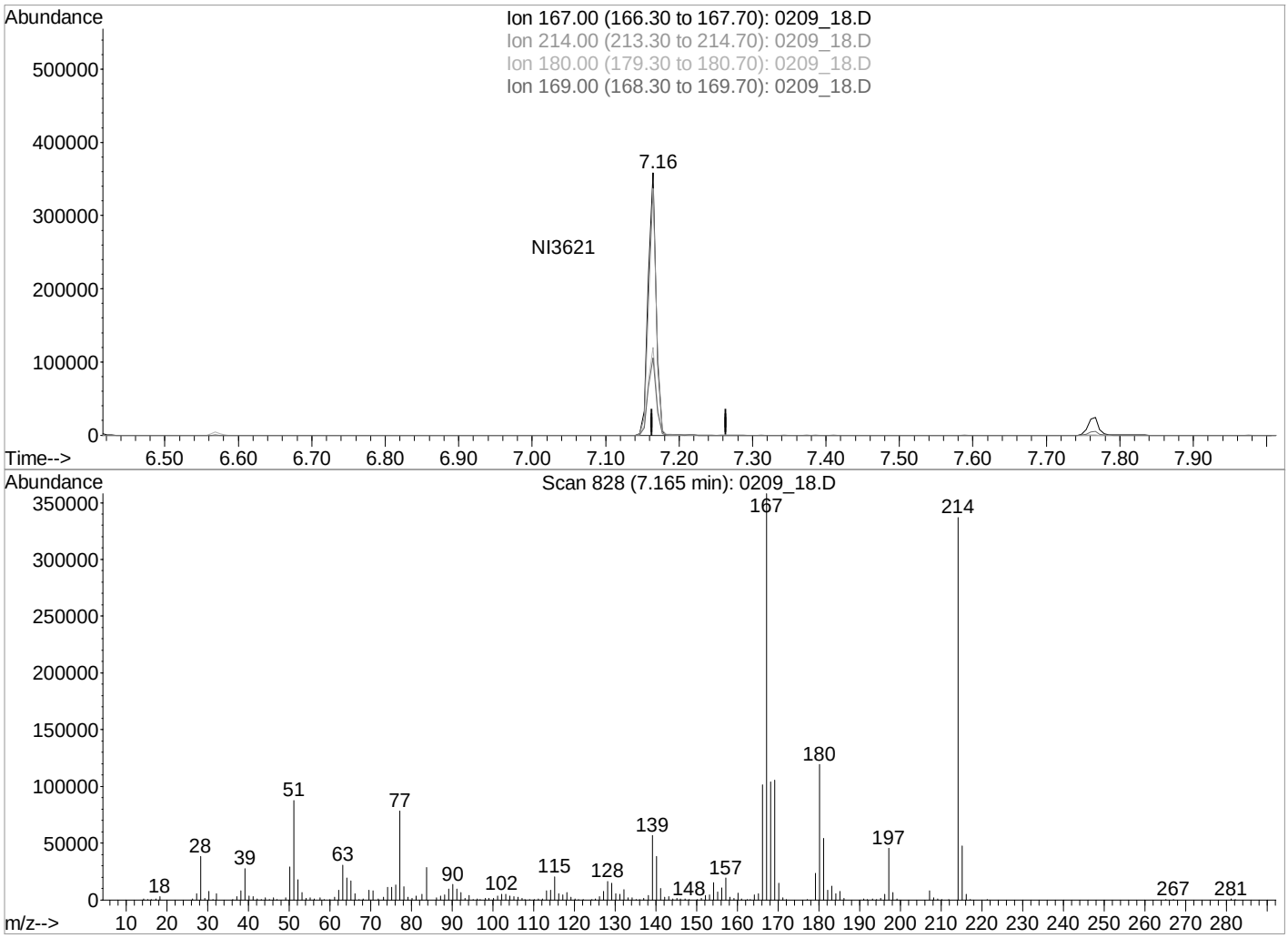
Ion	Exp%	Act%
167.00	100	0.00
214.00	0.00	0.00
180.00	0.00	0.00
169.00	0.00	0.00

0209_18.D S804B09V.M Mon Feb 14 16:40:25 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 18.D Vial: 15
Acq On : 9 Feb 2022 2:53 pm Operator: 917
Sample : STD TCL 30K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:40 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:37:26 2022
Response via : Single Level Calibration



TIC: 0209_18.D

(82) 2-nitrodiphenylamine (MT)

7.16min (-0.049) 0.0000000 ppb m

response 263020

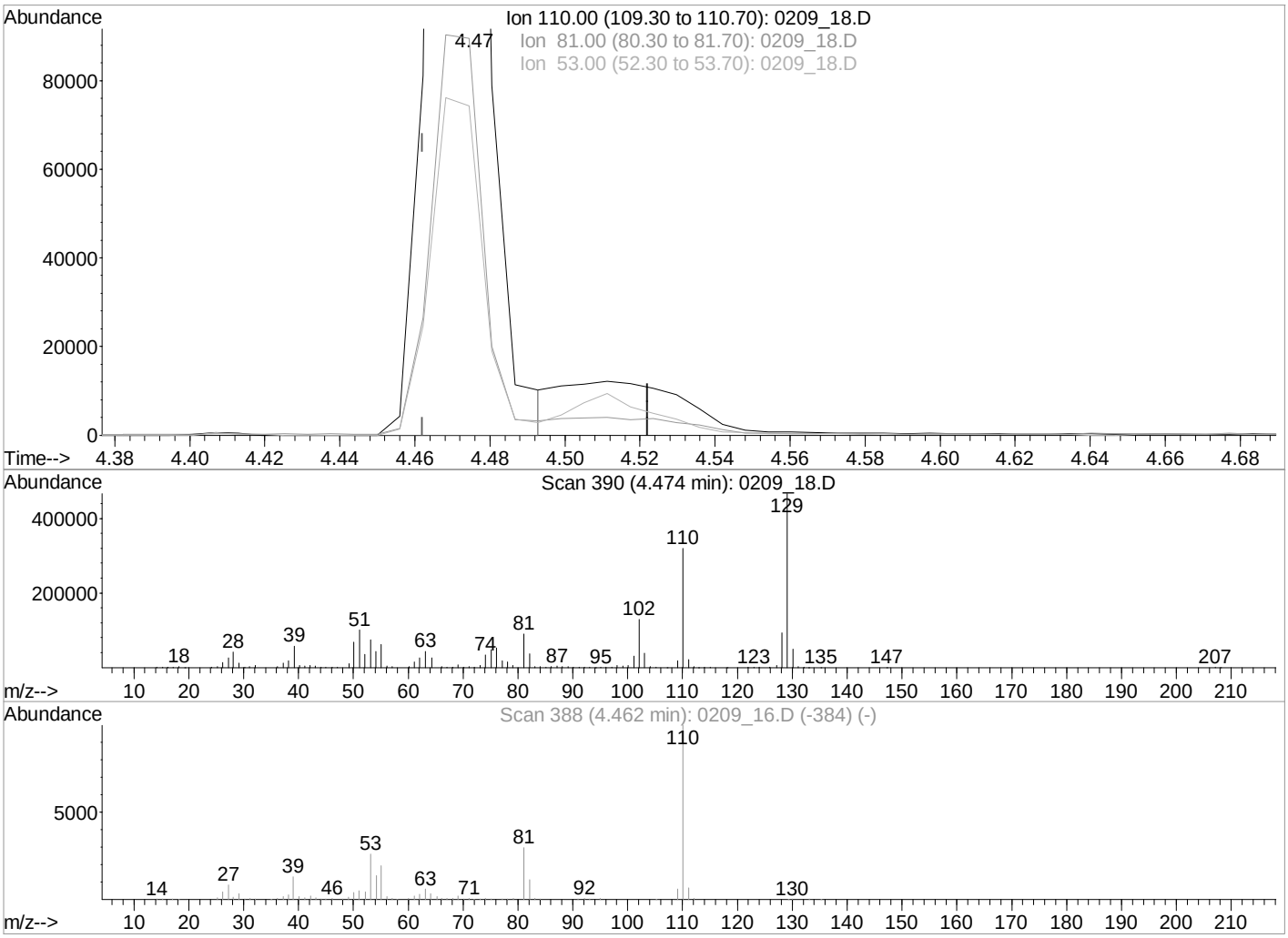
Ion	Exp%	Act%
167.00	100	100
214.00	0.00	0.00
180.00	0.00	0.00
169.00	0.00	0.00

0209_18.D S804B09V.M Mon Feb 14 16:40:41 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 18.D Vial: 15
Acq On : 9 Feb 2022 2:53 pm Operator: 917
Sample : STD TCL 30K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:30 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:28:57 2022
Response via : Single Level Calibration



TIC: 0209_18.D

(37) Hydroquinone

4.47min (+0.012) 27928.9894085 ppb

Qvalue = 96

response 296671

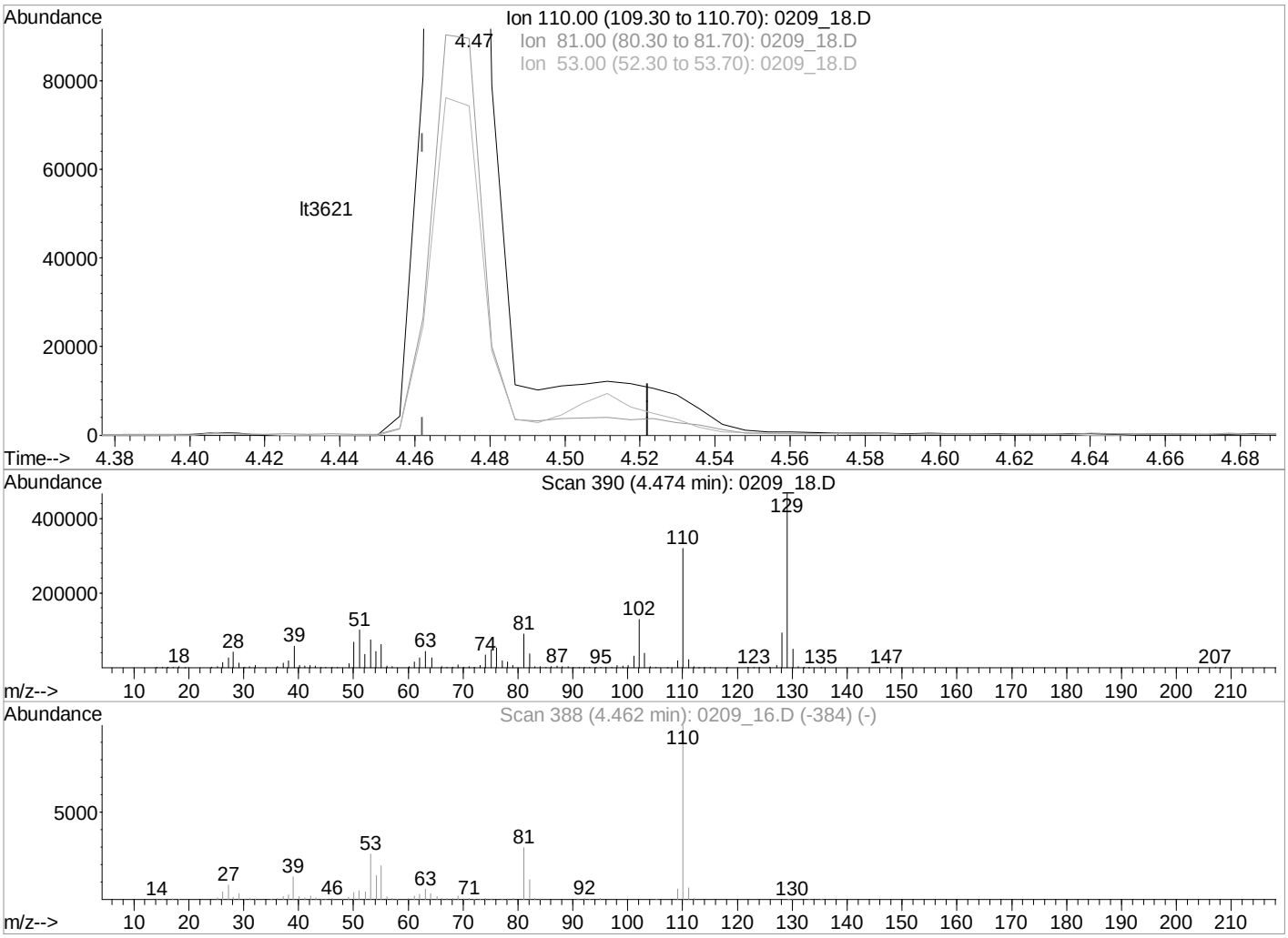
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	27.88
53.00	25.90	23.20
0.00	0.00	0.00

0209_18.D S804B09V.M Fri Feb 18 15:31:00 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 18.D Vial: 15
Acq On : 9 Feb 2022 2:53 pm Operator: 917
Sample : STD TCL 30K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:30 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:28:57 2022
Response via : Single Level Calibration



TIC: 0209_18.D

(37) Hydroquinone

4.47min (+0.012) 27928.9894085 ppb

Qvalue = 96

response 296671

Ion	Exp%	Act%
110.00	100	100
81.00	29.80	27.88
53.00	25.90	23.20
0.00	0.00	0.00

0209_18.D S804B09V.M Fri Feb 18 15:31:10 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 19.D Vial: 16
Acq On : 9 Feb 2022 3:14 pm Operator: 917
Sample : STD TCL 40K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:33 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:32:01 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

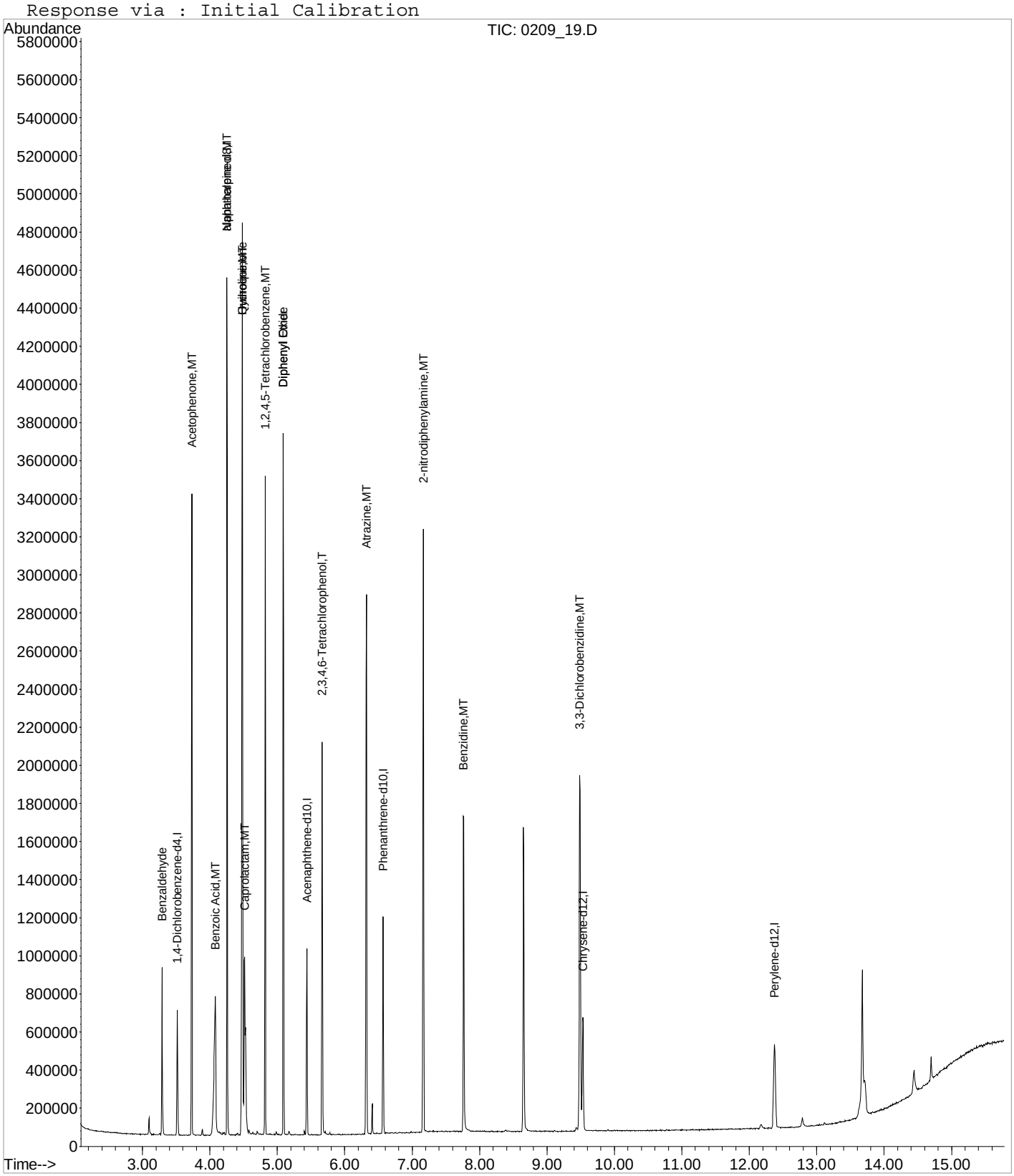
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	83834	8000.00	ppb	0.00
23) Naphthalene-d8	4.25	136	509998	8000.00	ppb	0.00
46) Acenaphthene-d10	5.44	164	170524	8000.00	ppb	0.00
70) Phenanthrene-d10	6.57	188	328342	8000.00	ppb	0.00
84) Chrysene-d12	9.53	240	284281	8000.00	ppb	0.00
94) Perylene-d12	12.37	264	291842	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
7) Phenol-d5	0.00	99	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.00	82	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.00	172	0d	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.00	244	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.29	105	146822	39375.8434486	ppb	99
22) Acetophenone	3.73	105	707524	40810.0206029	ppb	99
31) Benzoic Acid	4.08	105	332830	42001.2174148	ppb	98
33) alpha-terpineol	4.25	59	473632	32249.3875896	ppb	100
37) Hydroquinone	4.47	110	423227	35941.1634228	ppb	98
38) Quinoline	4.48	129	1027793	32749.0578074	ppb	99
39) Caprolactam	4.52	113	131001	37278.2903404	ppb	96
43) 1,2,4,5-Tetrachlorobenzene	4.82	216	446831	32200.2864656	ppb	99
44) Diphenyl Ether	5.09	170	646081	32275.2551573	ug/ml	99
45) Diphenyl Oxide	5.09	170	646081	32275.2551573	ug/ml	99
62) 2,3,4,6-Tetrachlorophenol	5.67	232	194914	40082.6466467	ppb	98
69) Atrazine	6.32	200	283883	40709.7789465	ppb	98
82) 2-nitrodiphenylamine	7.16	167	372323	47622.4782969	ppb #	100
85) Benzidine	7.77	184	724521	48145.9688179	ppb	99
89) 3,3-Dichlorobenzidine	9.49	252	596043	40725.7384781	ppb	99

(#) = qualifier out of range (m) = manual integration
0209_19.D S804B09V.M Fri Feb 18 15:34:19 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 19.D Vial: 16
Acq On : 9 Feb 2022 3:14 pm Operator: 917
Sample : STD TCL 40K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:33 2022 Quant Results File: S804B09V.RES

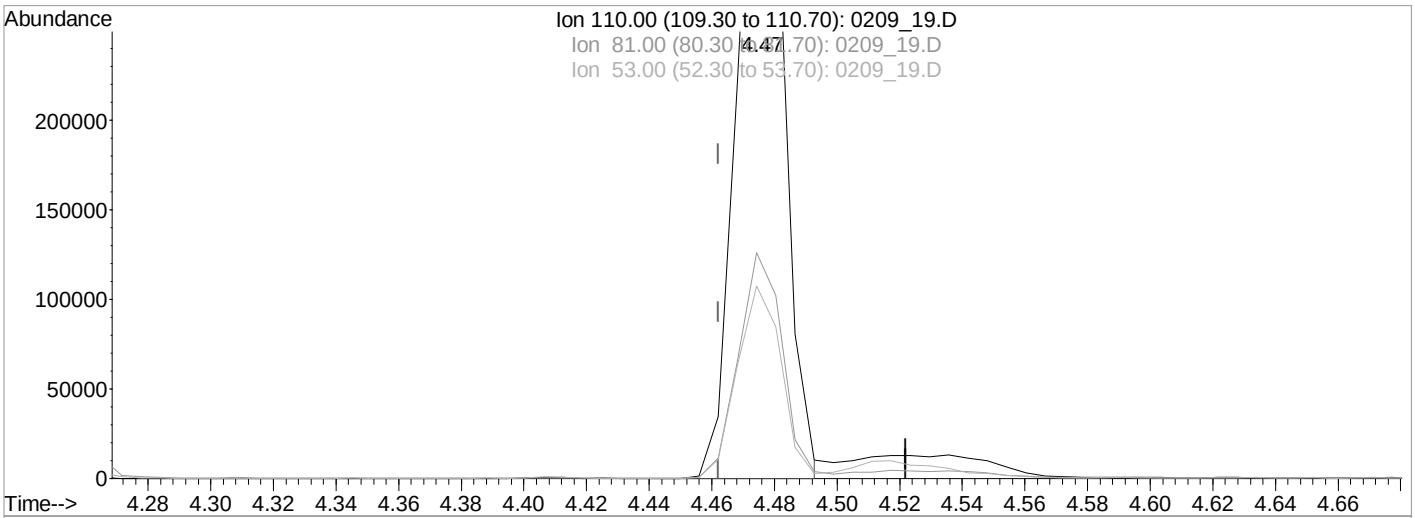
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:32:01 2022
Response via : Initial Calibration

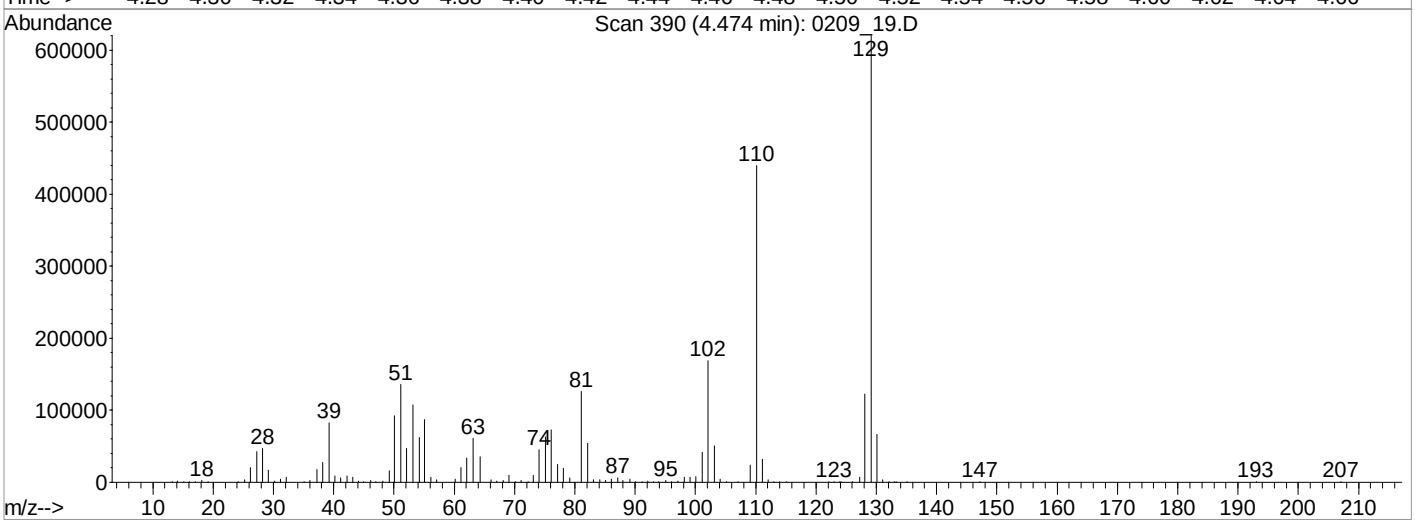


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 19.D Vial: 16
Acq On : 9 Feb 2022 3:14 pm Operator: 917
Sample : STD TCL 40K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 14:12 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:41:34 2022
Response via : Single Level Calibration





TIC: 0209_19.D

(37) Hydroquinone

4.47min (+0.012) 34295.7817388 ppb

Qvalue = 98

response 423227

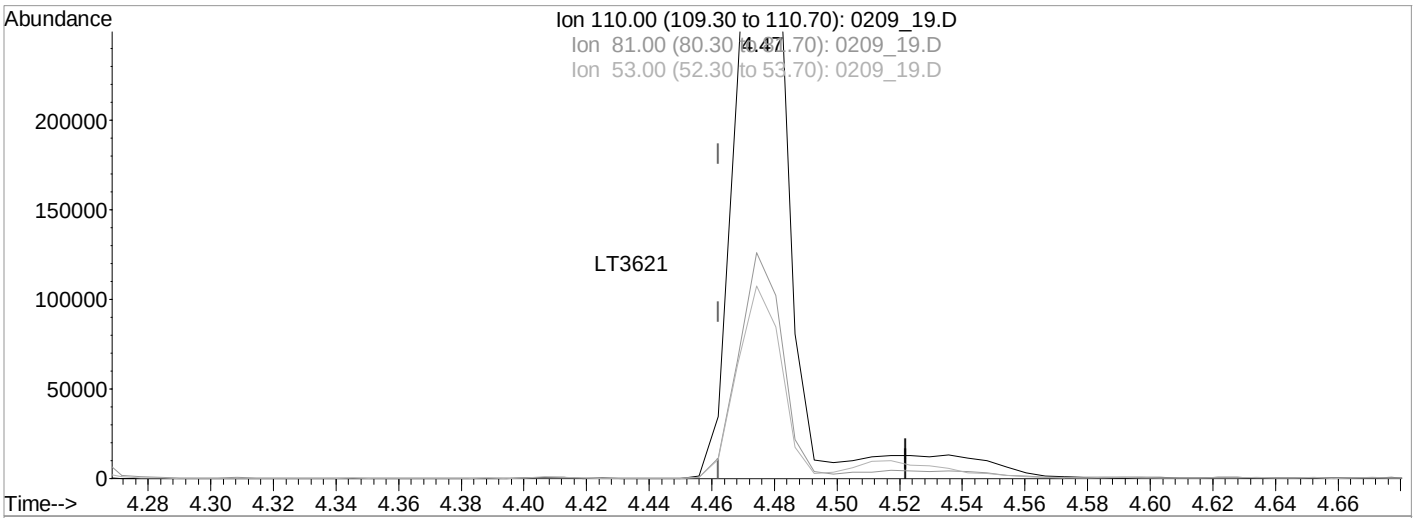
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	28.68
53.00	25.90	24.49
0.00	0.00	0.00

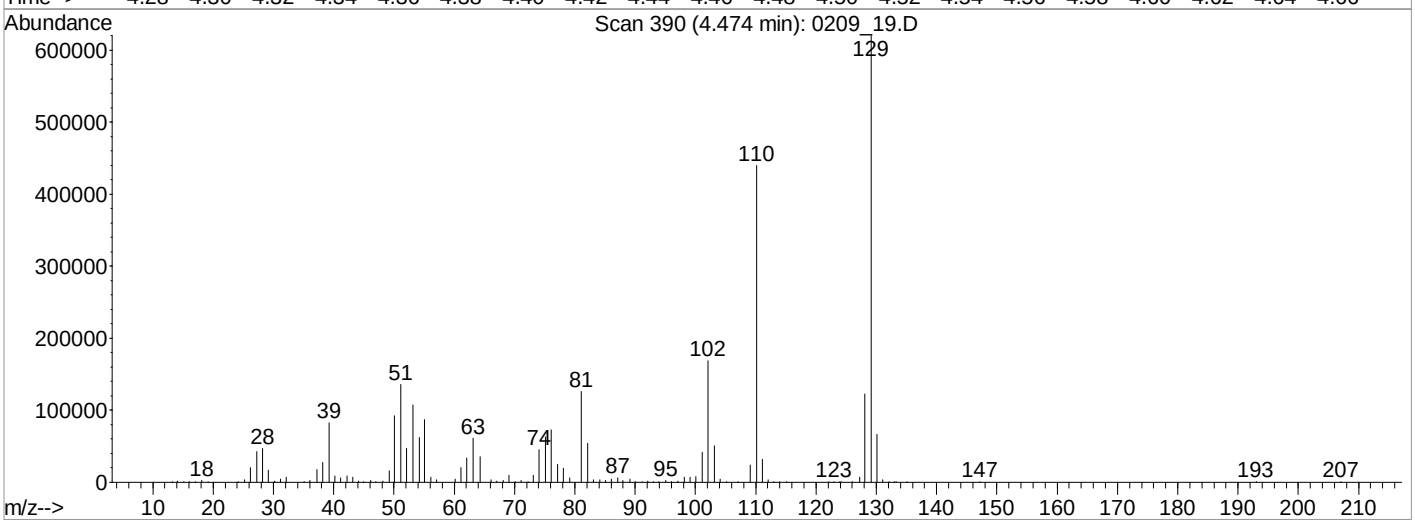
0209_19.D S804B09V.M Mon Feb 14 16:42:24 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 19.D Vial: 16
Acq On : 9 Feb 2022 3:14 pm Operator: 917
Sample : STD TCL 40K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:42 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:41:34 2022
Response via : Single Level Calibration





TIC: 0209_19.D

(37) Hydroquinone

4.47min (+0.012) 37693.9430263 ppb m

response 465162

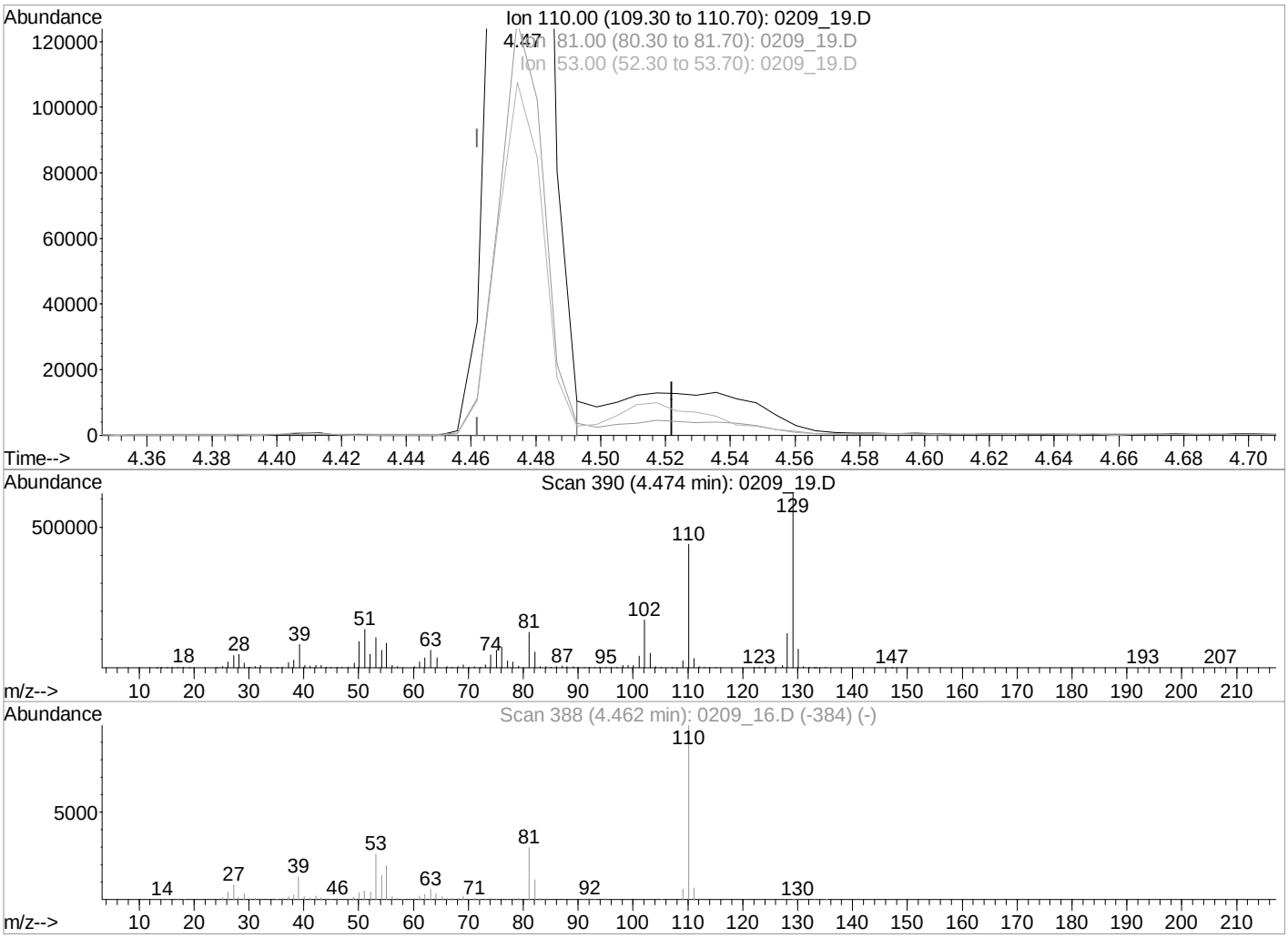
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	28.73
53.00	25.90	24.49
0.00	0.00	0.00

0209_19.D S804B09V.M Mon Feb 14 16:42:34 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 19.D Vial: 16
Acq On : 9 Feb 2022 3:14 pm Operator: 917
Sample : STD TCL 40K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:33 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:32:01 2022
Response via : Single Level Calibration



TIC: 0209_19.D

(37) Hydroquinone

4.47min (+0.012) 35941.1634228 ppb

Qvalue = 98

response 423227

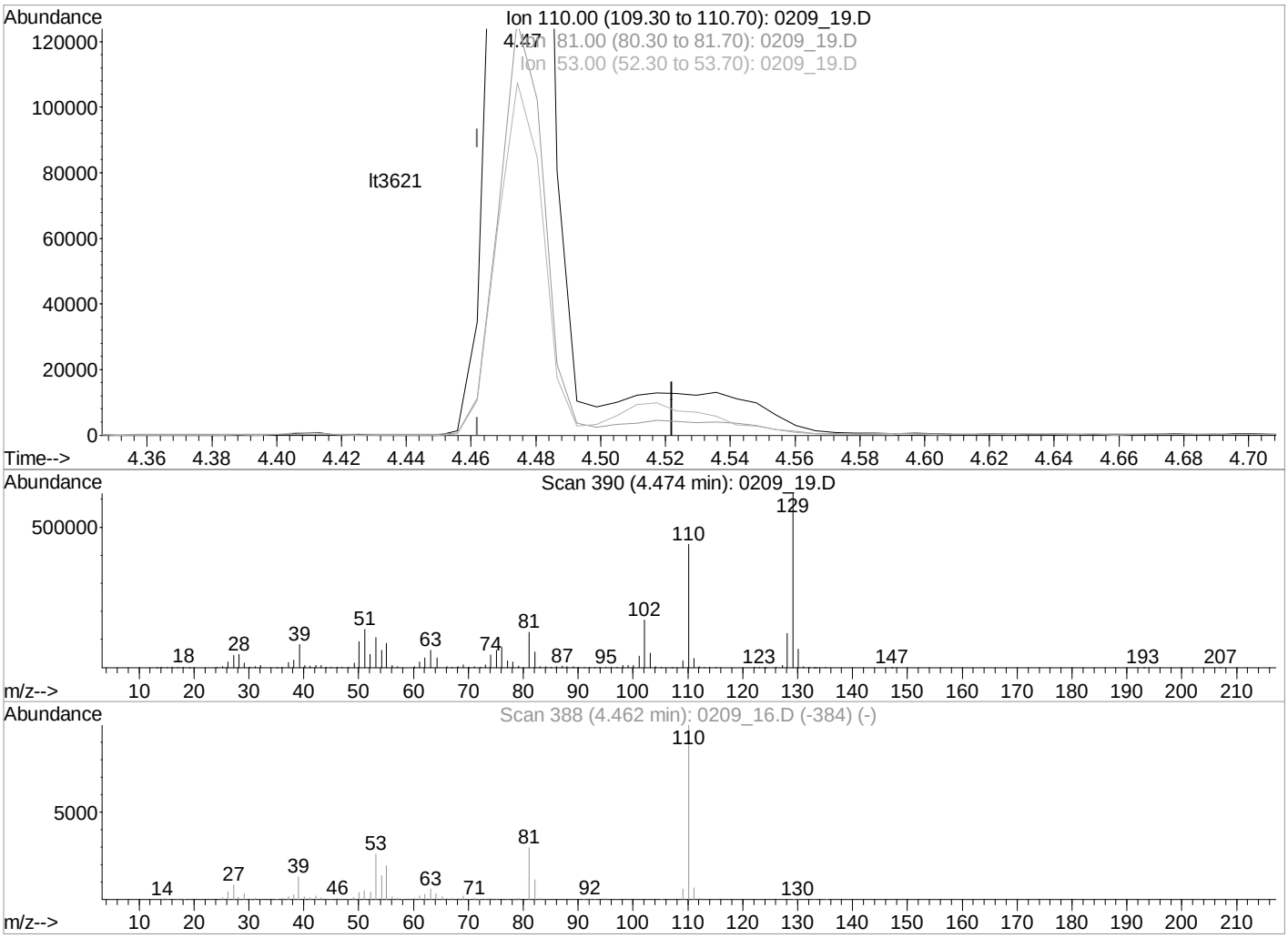
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	28.68
53.00	25.90	24.49
0.00	0.00	0.00

0209_19.D S804B09V.M Fri Feb 18 15:33:34 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 19.D Vial: 16
Acq On : 9 Feb 2022 3:14 pm Operator: 917
Sample : STD TCL 40K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:33 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:32:01 2022
Response via : Single Level Calibration



TIC: 0209_19.D

(37) Hydroquinone

4.47min (+0.012) 35941.1634228 ppb

Qvalue = 98

response 423227

Ion	Exp%	Act%
110.00	100	100
81.00	29.80	28.68
53.00	25.90	24.49
0.00	0.00	0.00

0209_19.D S804B09V.M Fri Feb 18 15:33:46 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 20.D Vial: 17
Acq On : 9 Feb 2022 3:35 pm Operator: 917
Sample : STD TCL 50K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:35 2022 Quant Results File: S804B09V.RES

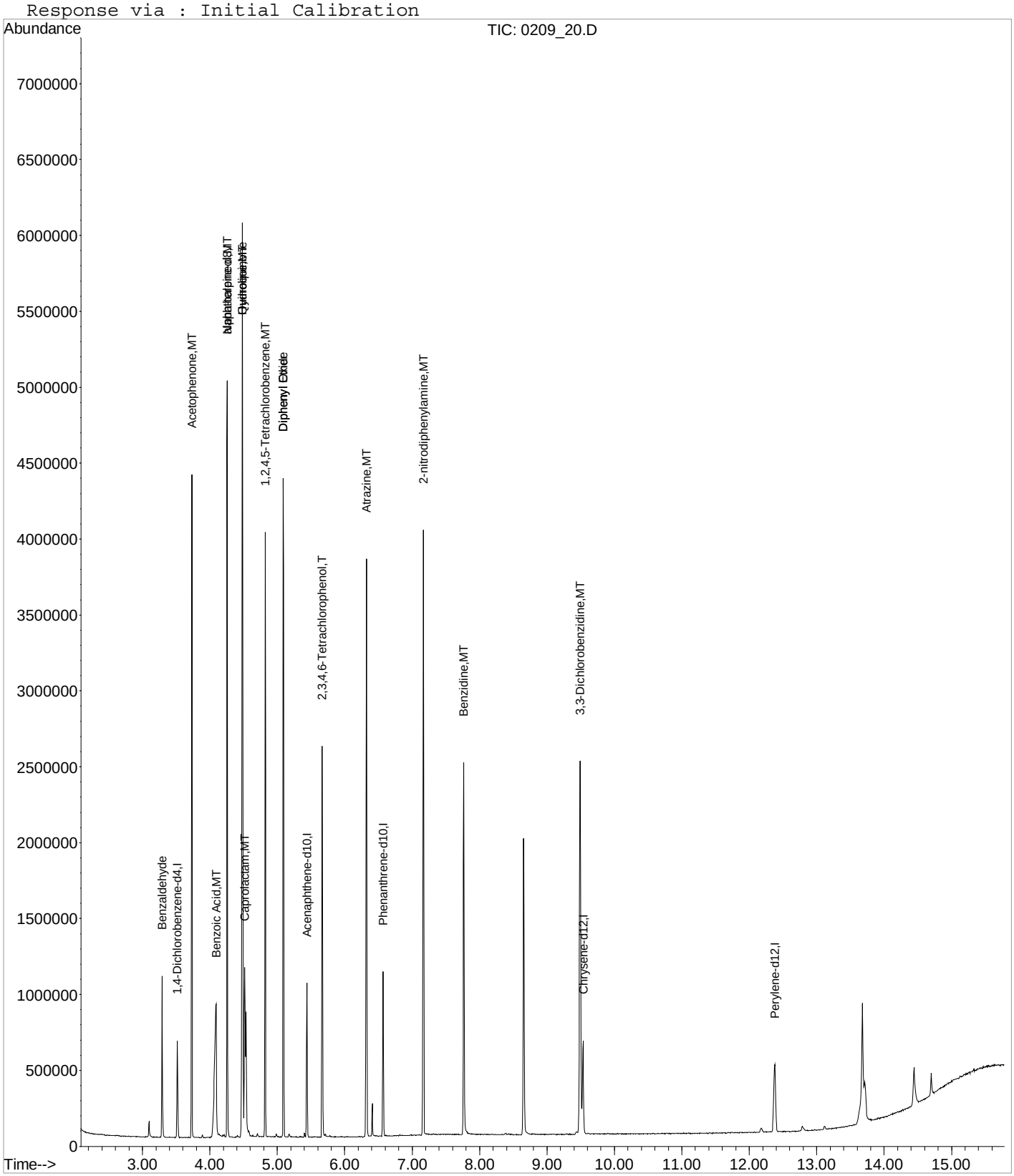
Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:34:26 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	83009	8000.00	ppb	0.00
23) Naphthalene-d8	4.26	136	544163	8000.00	ppb	0.00
46) Acenaphthene-d10	5.44	164	169785	8000.00	ppb	0.00
70) Phenanthrene-d10	6.57	188	322067	8000.00	ppb	0.00
84) Chrysene-d12	9.54	240	282788	8000.00	ppb	0.00
94) Perylene-d12	12.38	264	287879	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
7) Phenol-d5	0.00	99	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.00	82	0d	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.00	172	0d	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.00	244	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.29	105	183661	49745.1431448	ppb	99
22) Acetophenone	3.73	105	865298	50406.4769034	ppb	99
31) Benzoic Acid	4.09	105	430114	50870.0842217	ppb	99
33) alpha-terpineol	4.26	59	585384	37356.0327033	ppb	88
37) Hydroquinone	4.48	110	541268	43079.4928047	ppb	99
38) Quinoline	4.48	129	1284138	38348.1410544	ppb	98
39) Caprolactam	4.52	113	168983	45067.5402951	ppb	97
43) 1,2,4,5-Tetrachlorobenzene	4.82	216	553375	37374.5040763	ppb	99
44) Diphenyl Ether	5.09	170	805278	37702.3146356	ug/ml	99
45) Diphenyl Oxide	5.09	170	805278	37702.3146356	ug/ml	99
62) 2,3,4,6-Tetrachlorophenol	5.67	232	249561	51543.7801154	ppb	98
69) Atrazine	6.32	200	349005	50266.3324683	ppb	97
82) 2-nitrodiphenylamine	7.16	167	469250	59305.8856301	ppb #	100
85) Benzidine	7.77	184	954392	63756.2258960	ppb	100
89) 3,3-Dichlorobenzidine	9.49	252	753855	51780.4778435	ppb	99

(#) = qualifier out of range (m) = manual integration
0209_20.D S804B09V.M Fri Feb 18 15:37:53 2022

Data File : C:\MSDCHEM\1\DATA\020922\0209 20.D Vial: 17
Acq On : 9 Feb 2022 3:35 pm Operator: 917
Sample : STD TCL 50K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:35 2022 Quant Results File: S804B09V.RES

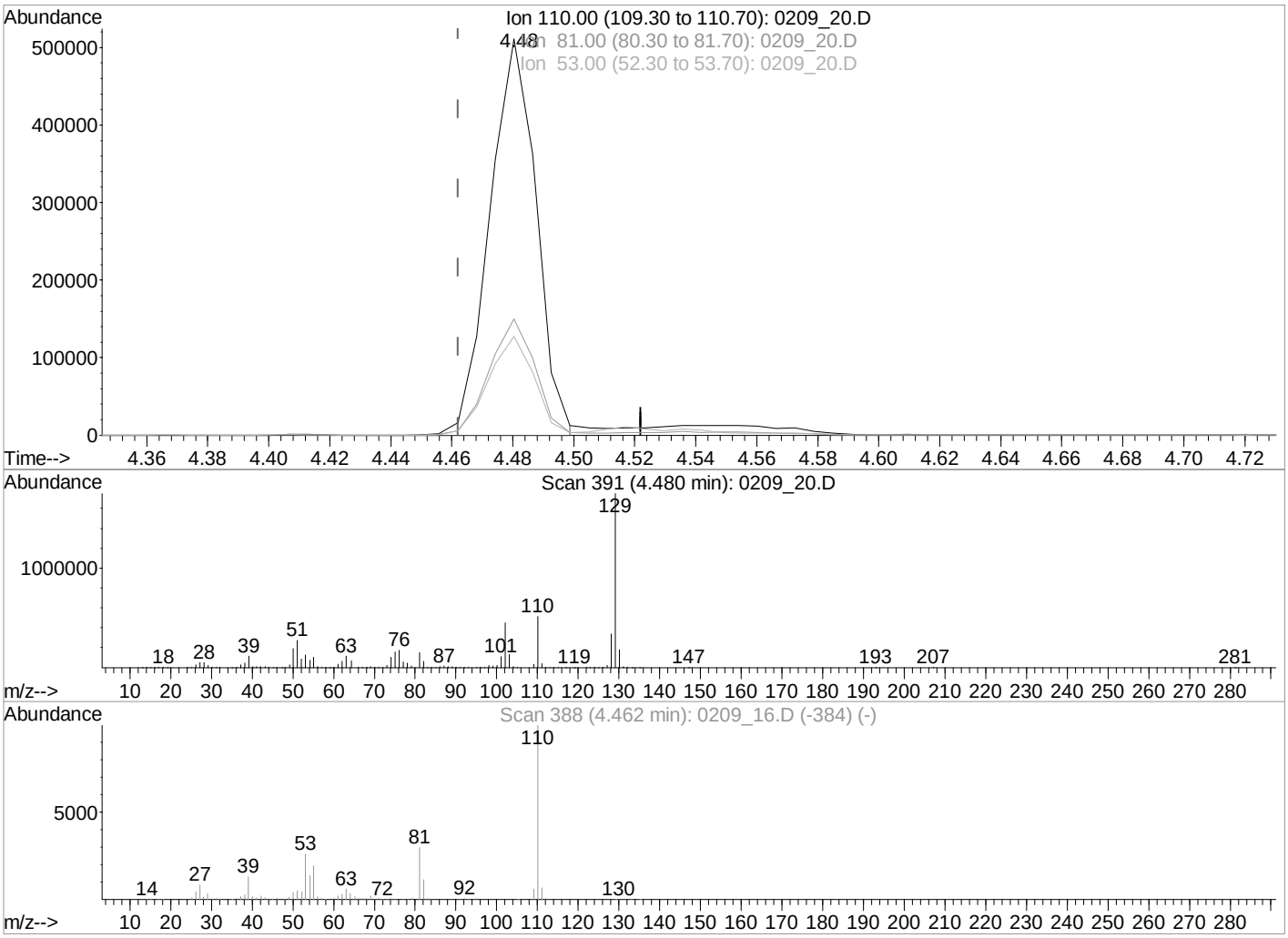
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:34:26 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 20.D Vial: 17
Acq On : 9 Feb 2022 3:35 pm Operator: 917
Sample : STD TCL 50K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 14:22 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 14:20:22 2022
Response via : Single Level Calibration



TIC: 0209_20.D

(37) Hydroquinone

4.48min (+0.018) 40935.8278868 ppb

Qvalue = 99

response 541268

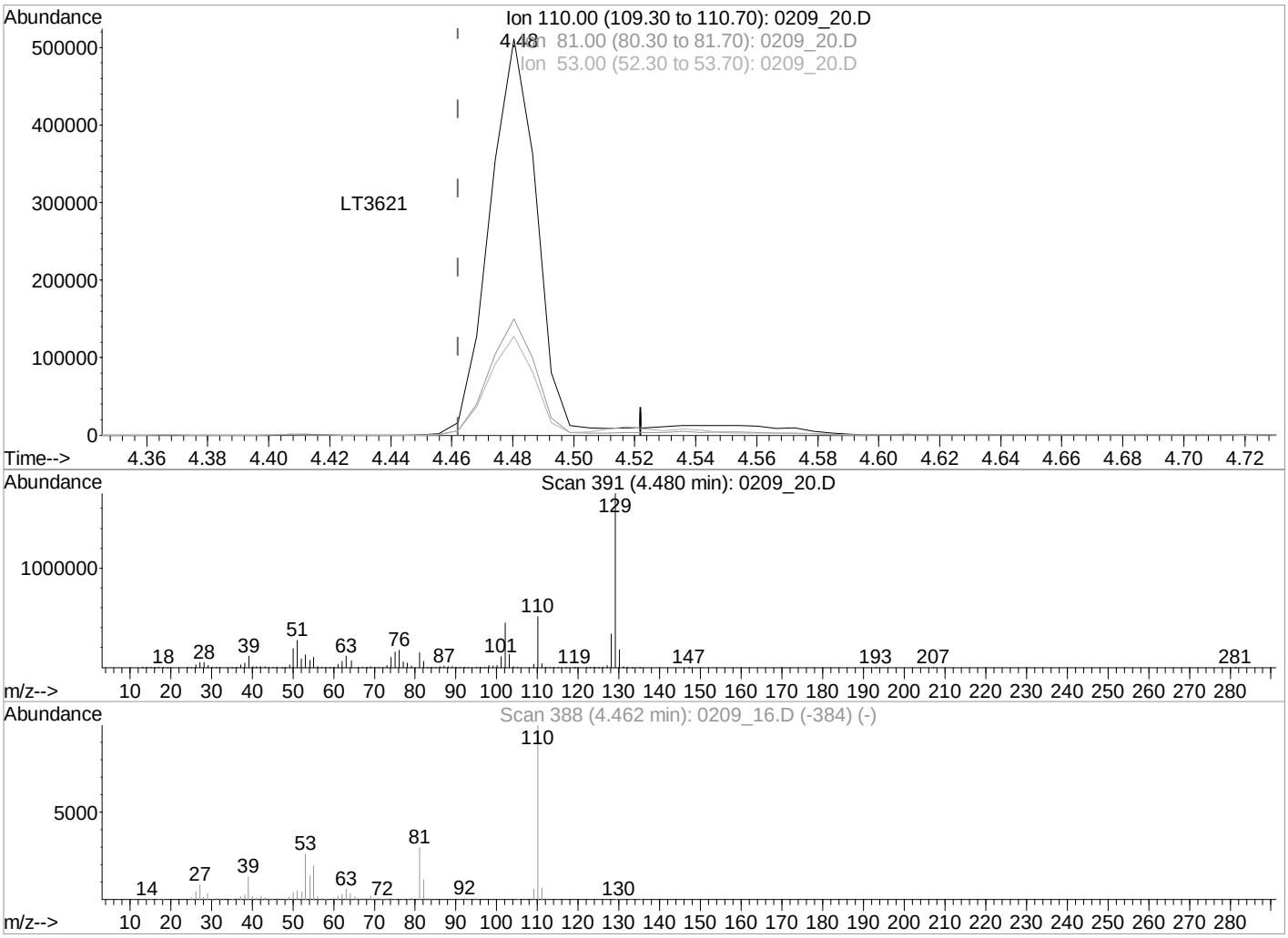
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	29.30
53.00	25.90	24.86
0.00	0.00	0.00

0209_20.D S804B09V.M Mon Feb 14 14:22:59 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 20.D Vial: 17
Acq On : 9 Feb 2022 3:35 pm Operator: 917
Sample : STD TCL 50K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 14:22 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 14:20:22 2022
Response via : Single Level Calibration



TIC: 0209_20.D

(37) Hydroquinone

4.48min (+0.018) 40935.8278868 ppb

Qvalue = 99

response 541268

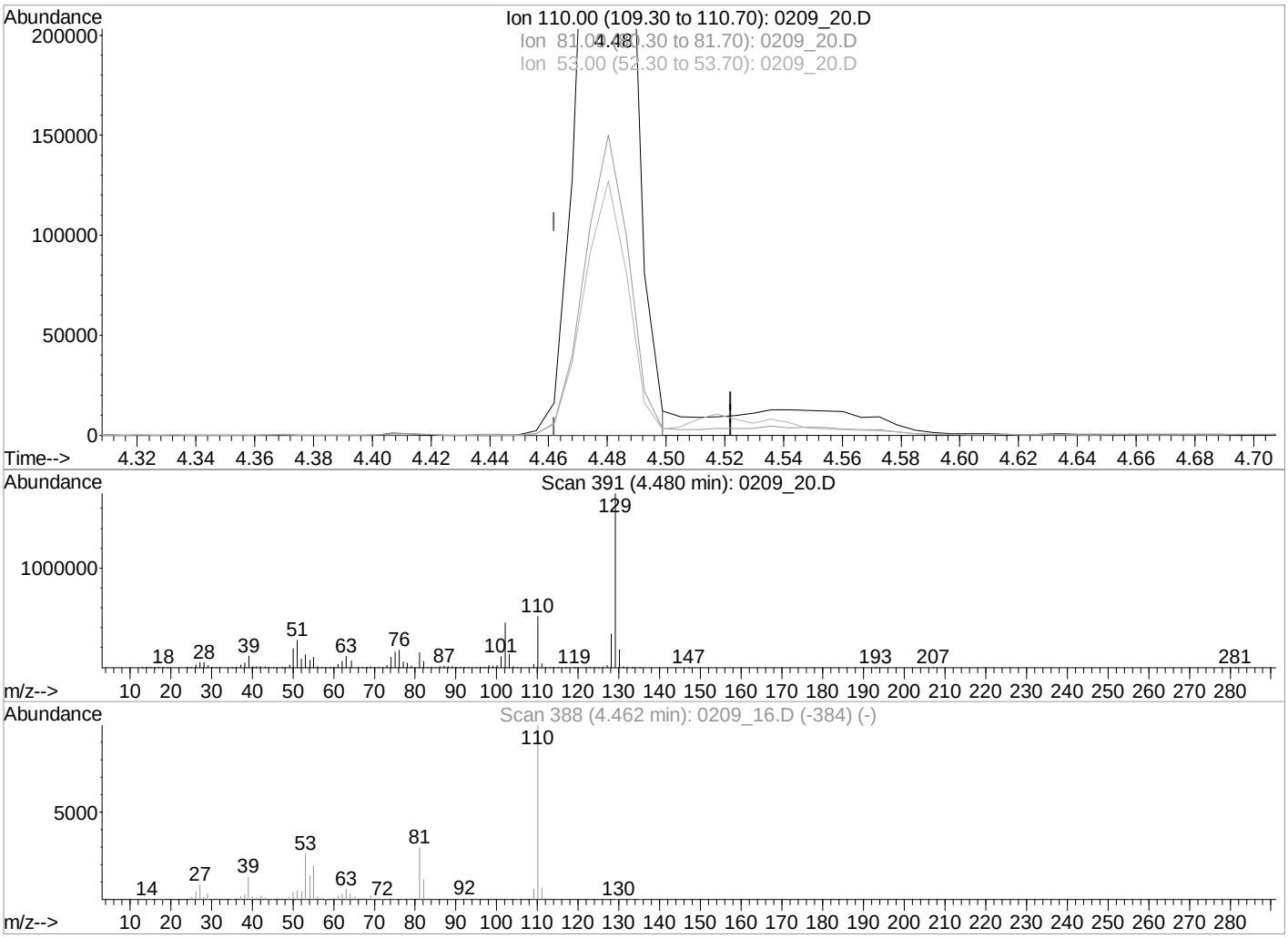
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	29.30
53.00	25.90	24.86
0.00	0.00	0.00

0209_20.D S804B09V.M Mon Feb 14 14:24:07 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 20.D Vial: 17
Acq On : 9 Feb 2022 3:35 pm Operator: 917
Sample : STD TCL 50K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:35 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:34:26 2022
Response via : Single Level Calibration



TIC: 0209_20.D

(37) Hydroquinone

4.48min (+0.018) 43079.4928047 ppb

Qvalue = 99

response 541268

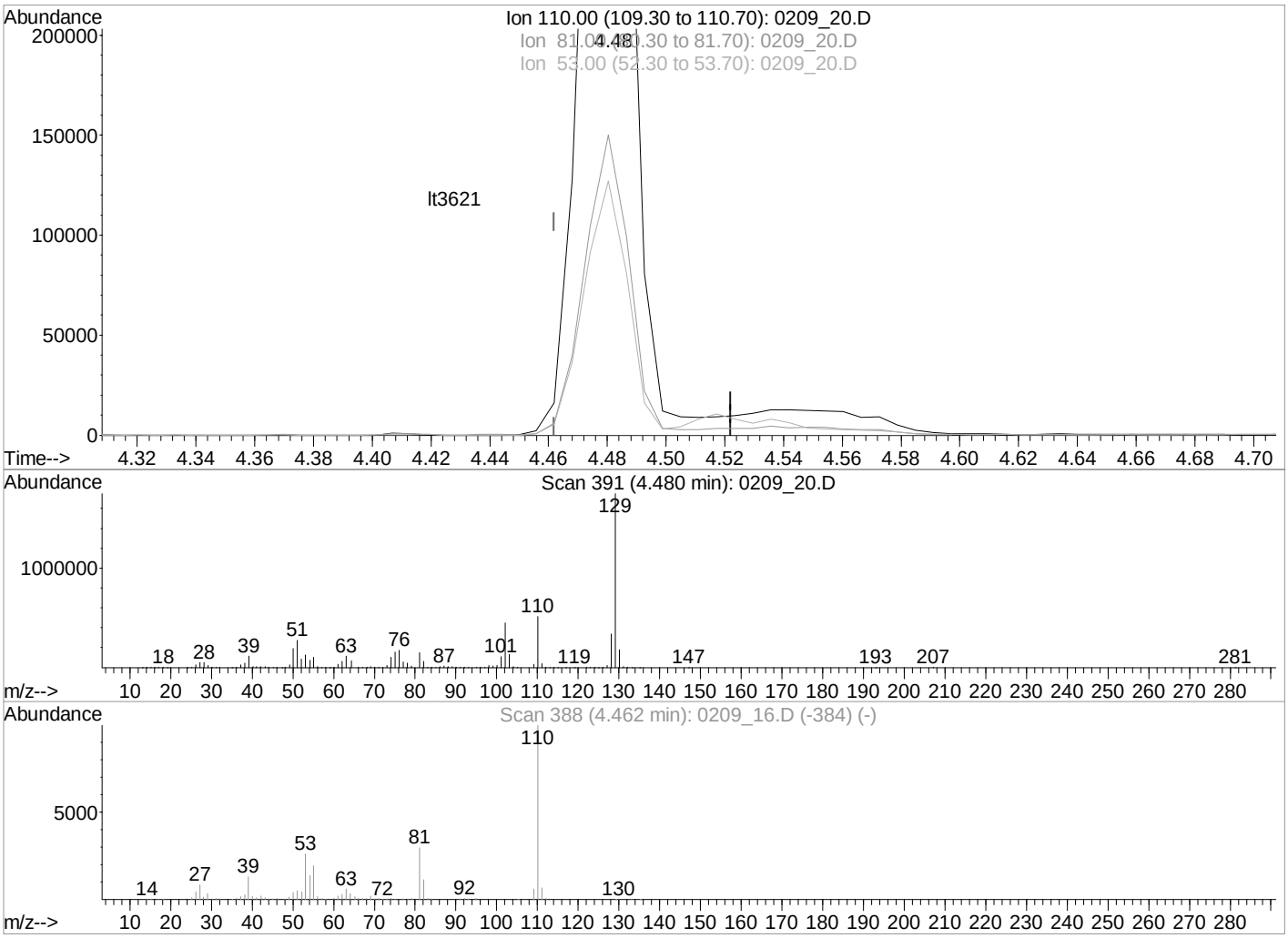
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	29.30
53.00	25.90	24.86
0.00	0.00	0.00

0209_20.D S804B09V.M Fri Feb 18 15:36:13 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 20.D Vial: 17
Acq On : 9 Feb 2022 3:35 pm Operator: 917
Sample : STD TCL 50K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:35 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:34:26 2022
Response via : Single Level Calibration



TIC: 0209_20.D

(37) Hydroquinone

4.48min (+0.018) 43079.4928047 ppb

Qvalue = 99

response 541268

Ion	Exp%	Act%
110.00	100	100
81.00	29.80	29.30
53.00	25.90	24.86
0.00	0.00	0.00

0209_20.D S804B09V.M Fri Feb 18 15:37:16 2022

6A-OR

GC/MS INITIAL CALIBRATION DATA

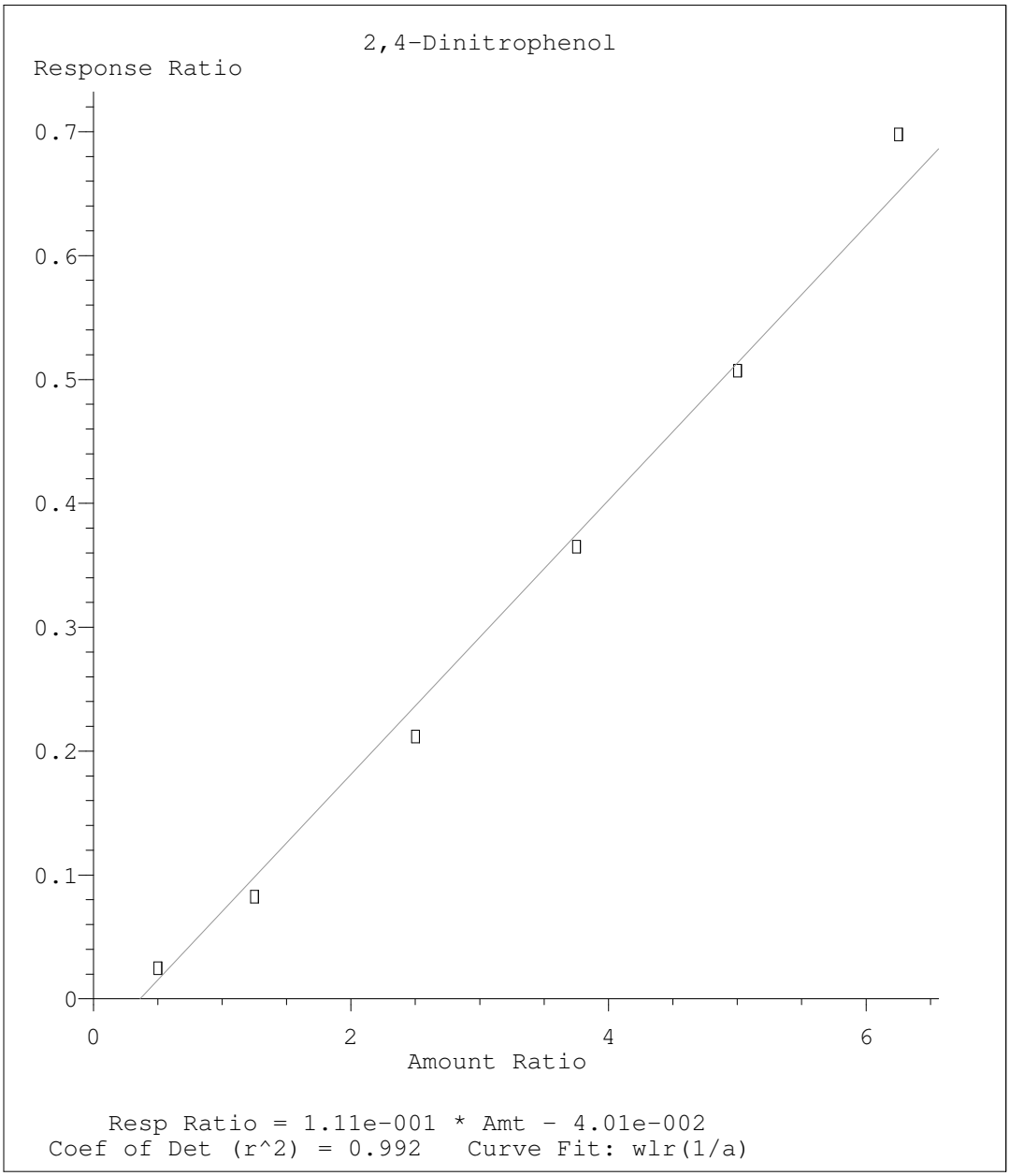
SDG: L1488161 **Analytical Method:** 8270E

Instrument ID: BNAMS24

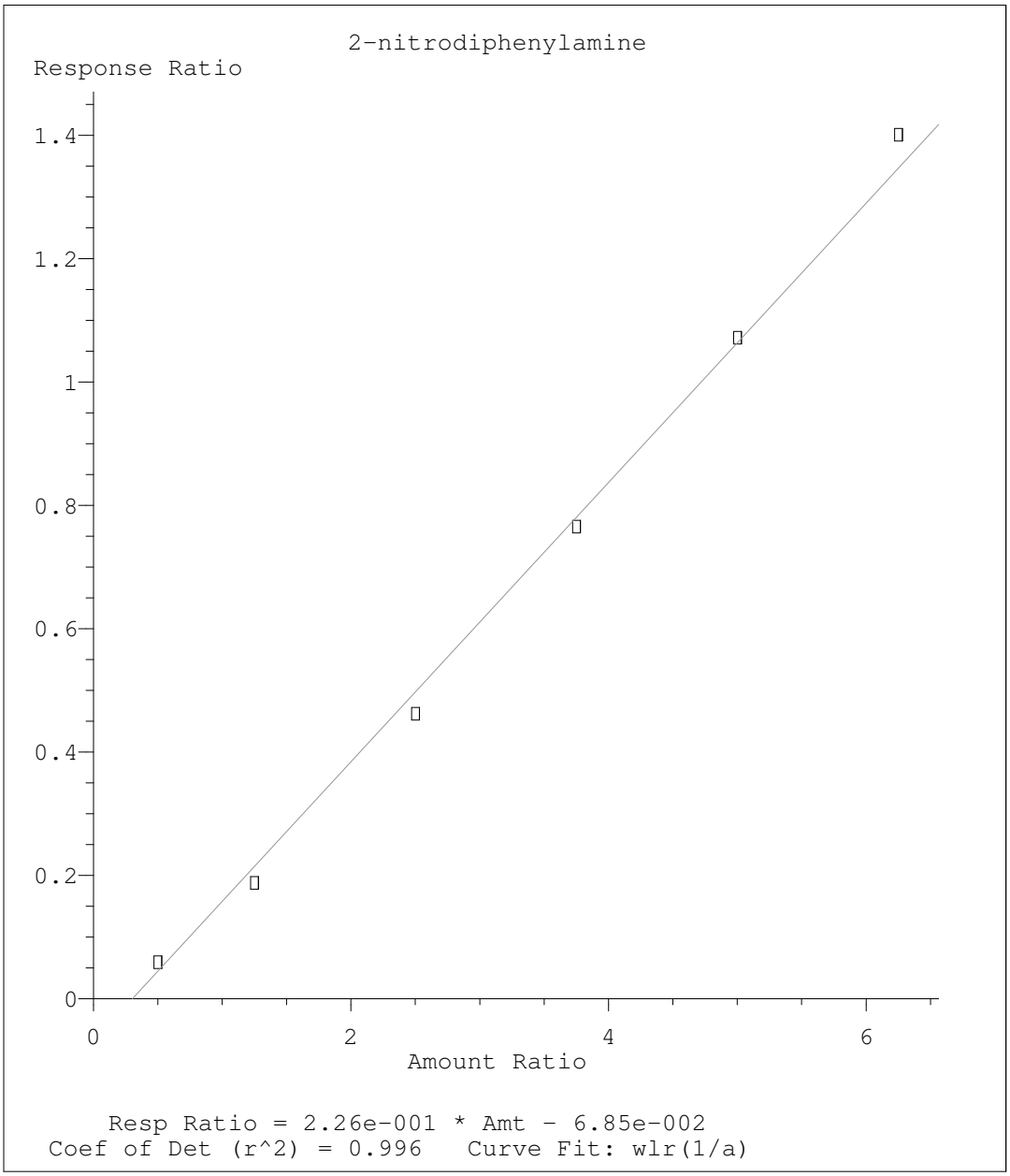
Analyte	**RRF: 500**	**RRF: 1000**	**RRF: 4000**	**RRF: 10000**	**RRF: 20000**	**RRF: 30000**	**RRF: 40000**	**RRF: 50000**	**RRF: 4K1**	**RRF: 10K1**
Analysis date/time	03/31/22 17:24	03/31/22 17:45	03/31/22 18:07	03/31/22 18:28	03/31/22 18:49	03/31/22 19:11	03/31/22 19:32	03/31/22 19:53	03/31/22 20:36	03/31/22 20:58
PHENOL	1.6010	1.4820	1.57	1.5980	1.6240	1.5830	1.5520	1.5950		
3&4-METHYL PHENOL	1.2840	1.2150	1.25	1.3490	1.3650	1.3210	1.3020	1.3260		
NAPHTHALENE	1.1320	1.0560	0.9950	1.0120	0.9840	0.9710	0.92	0.9180		
2-METHYLNAPHTHALENE	0.6570	0.6280	0.6150	0.6330	0.6320	0.6340	0.61	0.61		
1-METHYLNAPHTHALENE	0.6470	0.6310	0.5970	0.61	0.6130	0.6110	0.5890	0.5870		
ACENAPHTHYLENE	1.7480	1.6720	1.6690	1.7240	1.7160	1.7160	1.66	1.6580		
ACENAPHTHENE	1.2270	1.2160	1.14	1.1450	1.1430	1.1340	1.0890	1.0960		
DIBENZOFURAN	1.67	1.5920	1.5340	1.5580	1.5120	1.5070	1.4530	1.4390		
FLUORENE	1.33	1.2780	1.2650	1.3060	1.2780	1.2680	1.2160	1.21		
PHENANTHRENE	1.2170	1.0870	1.0560	1.0550	1.0490	1.0380	0.99	0.9910		
ANTHRACENE	1.0170	0.9560	0.9850	1.0270	1.0410	1.03	0.9950	1.0030		
CARBAZOLE	0.8390	0.7930	0.8460	0.8840	0.8890	0.9070	0.8560	0.8770		
DI-N-BUTYL PHTHALATE	1.1240	1.0760	1.2080	1.3430	1.4080	1.4320	1.3520	1.3760		
FLUORANTHENE	1.0230	0.9560	0.9940	1.0520	1.0770	1.0860	1.0510	1.06		
PYRENE	1.7080	1.5380	1.5110	1.5060	1.48	1.4410	1.4010	1.4030		
BENZO(A)ANTHRACENE	1.0880	1.0760	1.0630	1.1220	1.1430	1.1580	1.1270	1.1560		
CHRYSENE	1.2550	1.2220	1.1770	1.1820	1.1810	1.1590	1.1150	1.1450		
BENZO(B)FLUORANTHENE	1.0580	1.0570	1.1180	1.2060	1.2260	1.2690	1.2170	1.2290		
BENZO(K)FLUORANTHENE	1.0520	1.0420	1.1760	1.2870	1.2760	1.2720	1.2350	1.2510		
BENZO(A)PYRENE	0.8090	0.7610	0.88	0.9960	1.0210	1.0590	1.0250	1.0520		
INDENO(1,2,3-CD)PYRENE	0.7840	0.7330	0.8210	0.9050	0.9080	0.9490	0.9110	0.9090		
DIBENZ(A,H)ANTHRACENE	0.8410	0.8770	0.9470	1.0240	1.0220	1.0470	1.0010	0.9960		
BENZO(G,H,I)PERYLENE	0.9080	0.9740	1.0220	1.1050	1.0720	1.0840	1.0350	1.0150		
2-FLUOROPHENOL	1.2870	1.1960	1.2160	1.2670	1.2950	1.2550	1.2340	1.2710		
PHENOL-D5	1.48	1.4190	1.4560	1.5090	1.54	1.4980	1.4750	1.5120		
NITROBENZENE-D5	0.3150	0.2930	0.2820	0.30	0.3090	0.3140	0.3110	0.3090		
2-FLUOROBIPHENYL	1.3980	1.3490	1.2660	1.2910	1.2610	1.2260	1.18	1.1910		
P-TERPHENYL-D14	1.1680	1.1310	1.1060	1.1160	1.1180	1.0990	1.0520	1.0660		
DI-N-OCTYL PHTHALATE		0.9020	1.0920	1.3640	1.5790	1.6750	1.6490	1.7180		
2,4,6-TRIBROMOPHENOL		0.0630	0.0730	0.0820	0.0890	0.0940	0.0910	0.0940		
PENTACHLOROPHENOL			0.0760	0.0930	0.1090	0.1160	0.1160	0.1220		
BIS(2-ETHYLHEXYL)PHTHALATE			0.8310	0.9730	1.0620	1.0810	1.0540	1.0880		
BENZOIC ACID									0.0530	0.07
File ID:	0331_03	0331_04	0331_05	0331_06	0331_07	0331_08	0331_09	0331_10	0331_12	0331_13

SDG: L1488161 **Analytical Method:** 8270E
Instrument ID: BNAMS24

Analyte	RRF: 20K1	RRF: 30K1	RRF: 40K1	RRF: 50K1	RRF. Avg	%RSD	COD
Analysis date/time	03/31/22 21:19	03/31/22 21:40	03/31/22 22:02	03/31/22 22:23			
PHENOL					1.575372	2.77	
3&4-METHYL PHENOL					1.301686	3.86	
NAPHTHALENE					0.998617	7.08	
2-METHYLNAPHTHALENE					0.627399	2.53	
1-METHYLNAPHTHALENE					0.610754	3.34	
ACENAPHTHYLENE					1.695228	2.03	
ACENAPHTHENE					1.148837	4.33	
DIBENZOFURAN					1.532971	4.89	
FLUORENE					1.268965	3.21	
PHENANTHRENE					1.060304	6.75	
ANTHRACENE					1.006737	2.77	
CARBAZOLE					0.861194	4.17	
DI-N-BUTYL PHTHALATE					1.289953	10.48	
FLUORANTHENE					1.03753	4.25	
PYRENE					1.498492	6.58	
BENZO(A)ANTHRACENE					1.116712	3.28	
CHRYSENE					1.179486	3.71	
BENZO(B)FLUORANTHENE					1.172442	7.06	
BENZO(K)FLUORANTHENE					1.198822	8.32	
BENZO(A)PYRENE					0.950358	12.31	
INDENO(1,2,3-CD)PYRENE					0.86497	8.78	
DIBENZ(A,H)ANTHRACENE					0.969471	7.71	
BENZO(G,H,I)PERYLENE					1.02699	6.23	
2-FLUOROPHENOL					1.252515	2.77	
PHENOL-D5					1.486088	2.5	
NITROBENZENE-D5					0.30424	3.85	
2-FLUOROBIPHENYL					1.270391	5.89	
P-TERPHENYL-D14					1.107064	3.26	
DI-N-OCTYL PHTHALATE					1.425428	22.38	0.997
2,4,6-TRIBROMOPHENOL					0.083814	14.11	
PENTACHLOROPHENOL					0.105171	16.65	0.999
BIS(2-ETHYLHEXYL)PHTHALATE					1.014597	9.75	
BENZOIC ACID	0.0820	0.0890	0.09	0.0920	0.07914	19.21	0.999
File ID:	0331_14	0331_15	0331_16	0331_17			



Method Name: C:\msdchem\1\methods\S824C31V.M



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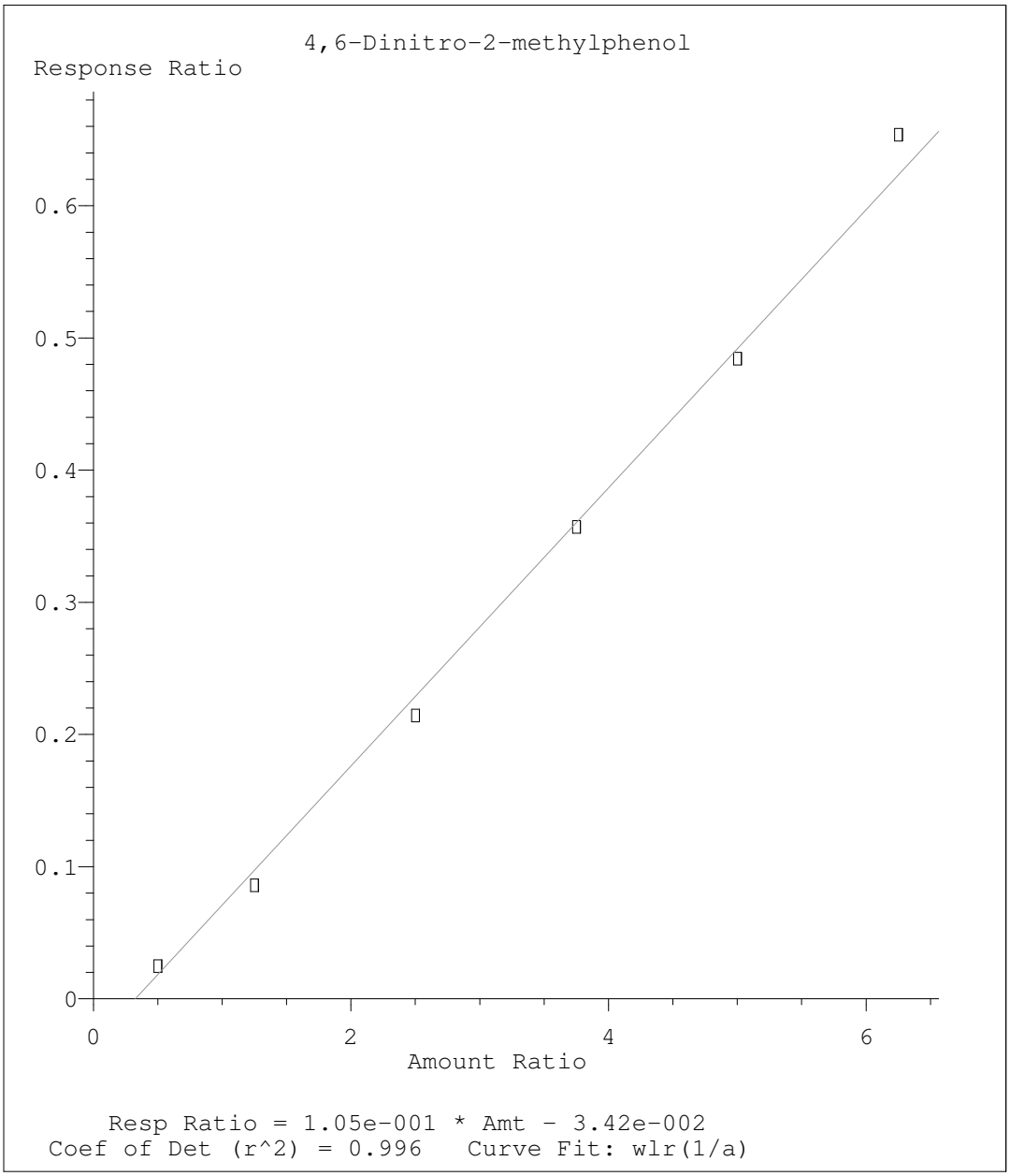
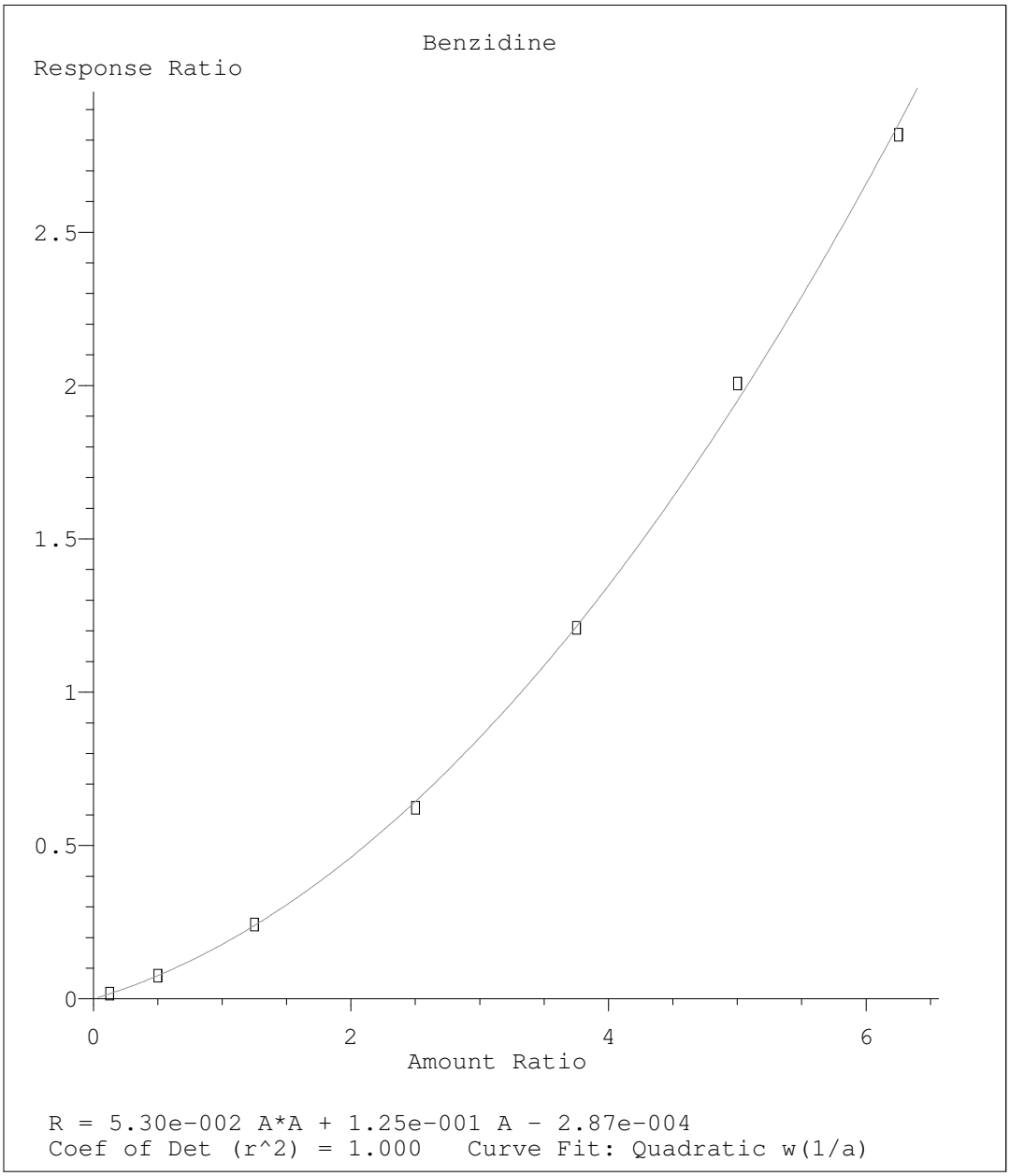
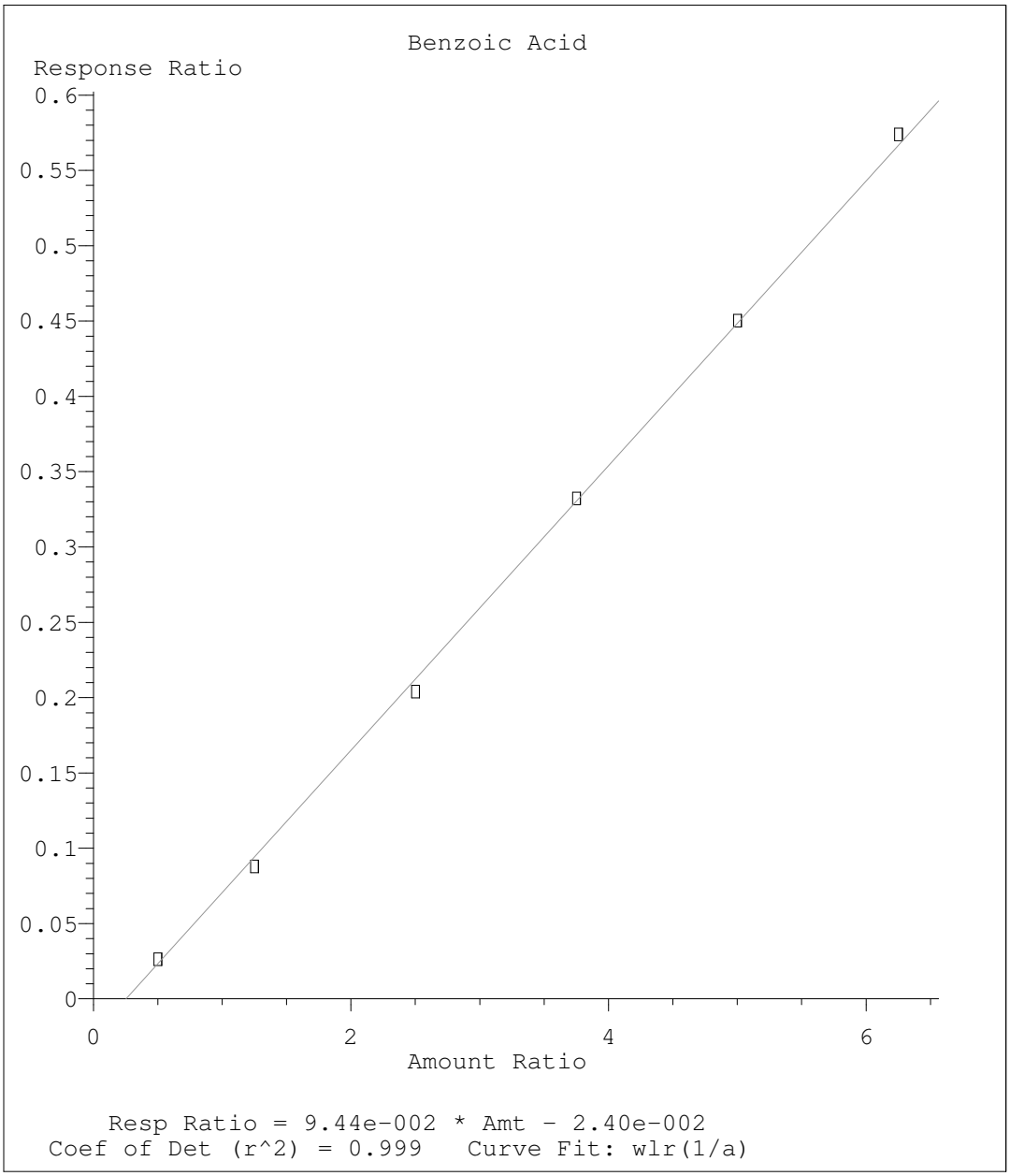


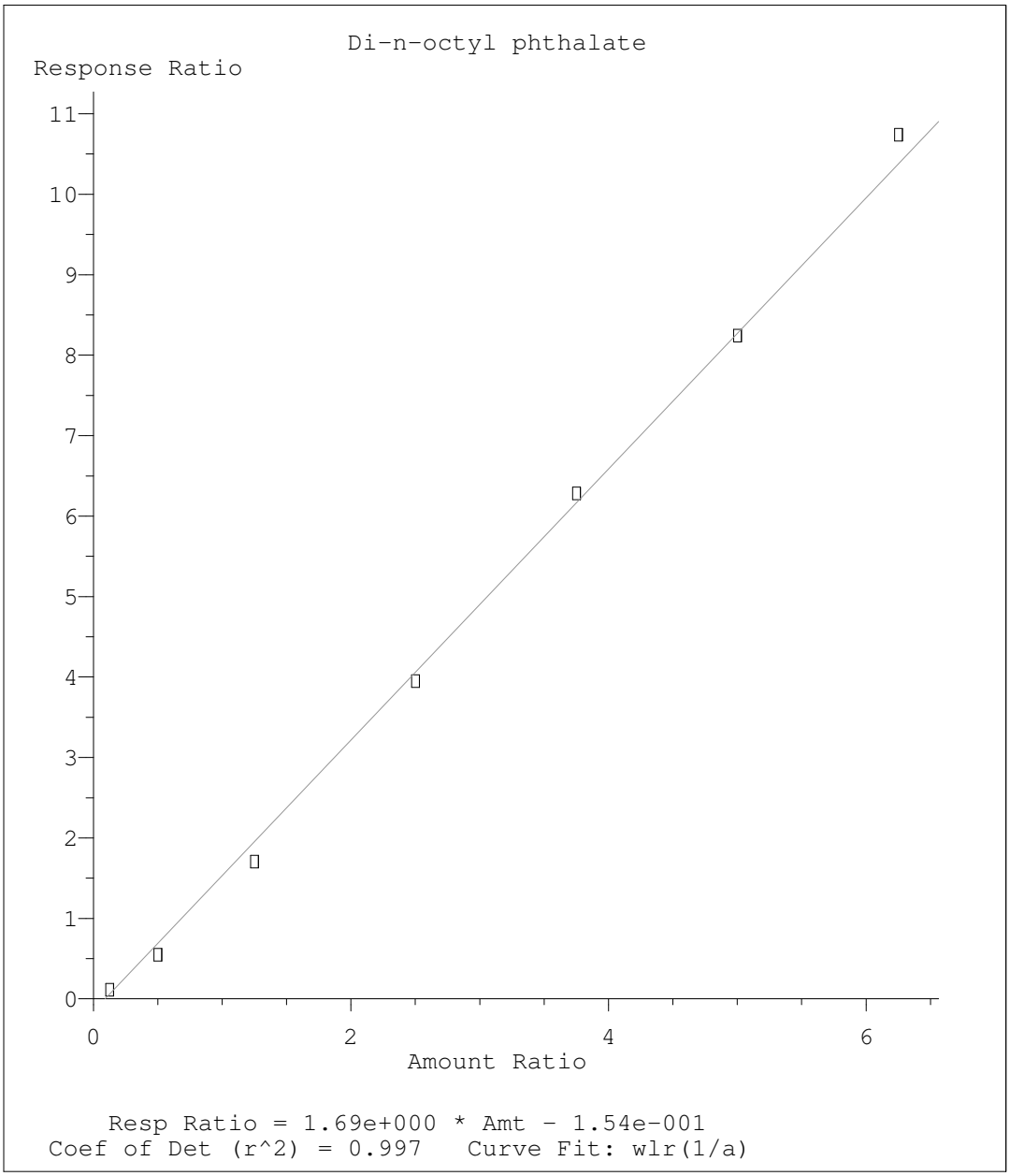
Method Name: C:\msdchem\1\methods\S824C31V.M



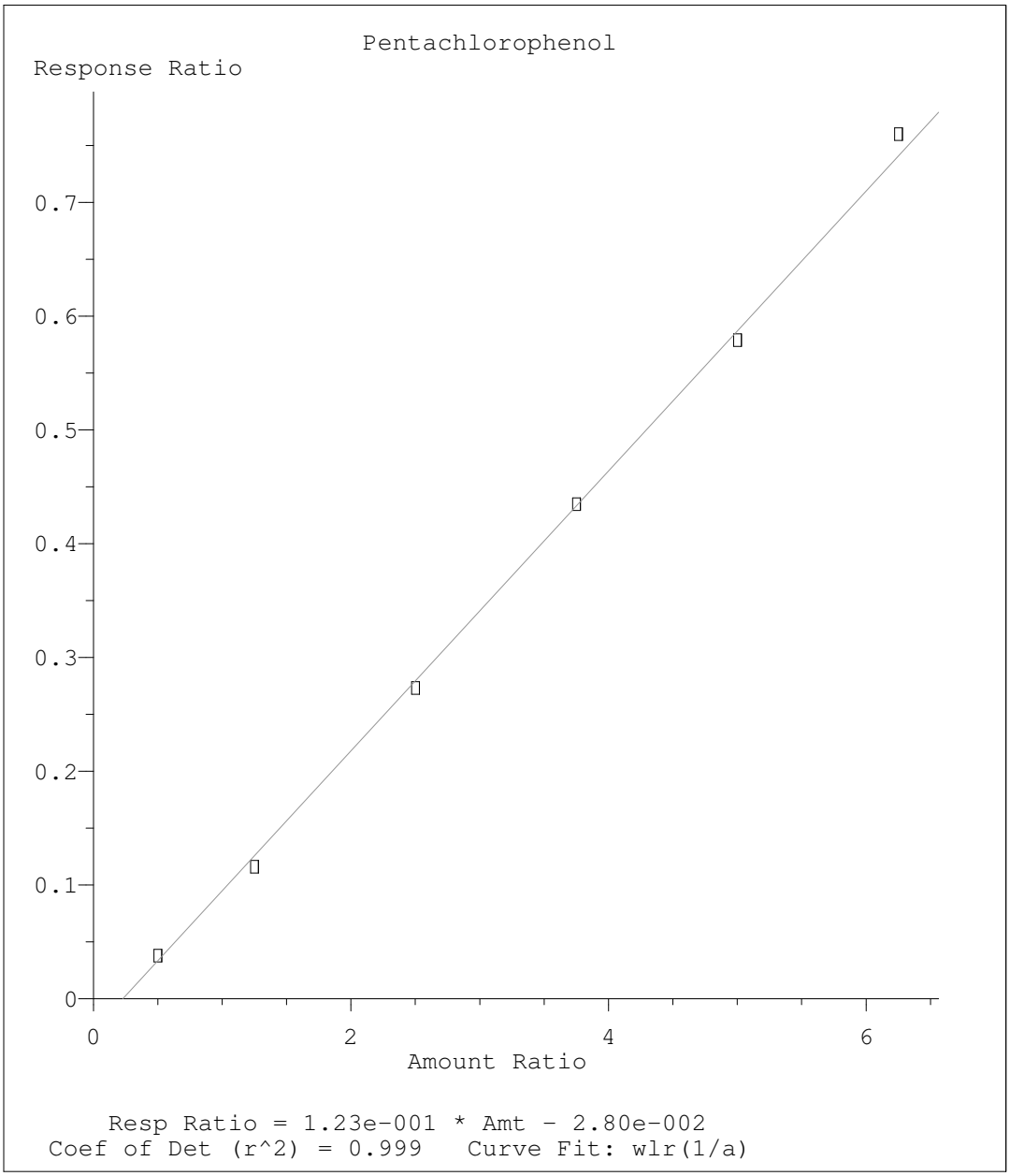
Method Name: C:\msdchem\1\methods\S824C31V.M



Method Name: C:\msdchem\1\methods\S824C31V.M



Method Name: C:\msdchem\1\methods\S824C31V.M



Method Name: C:\msdchem\1\methods\S824C31V.M

Response Factor Report BNAMS24

Method Path : C:\msdchem\1\methods\
Method File : S824C31V.M
Title : 8270 BNA
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Response Via : Initial Calibration

Calibration Files
500 =0331_03.D 1K =0331_04.D 4K =0331_05.D 10K =0331_06.D 20K =0331_07.D 30K =0331_08.D 40K =0331_09.D
50K =0331_10.D 1K1 =0331_11.D 4K1 =0331_12.D 10K1=0331_13.D 20K1=0331_14.D 30K1=0331_15.D 40K1=0331_16.D
50K1=0331_17.D

		Compound	500	1K	4K	10K	20K	30K	40K	50K	1K1	4K1	10K1	20K1	30K1	40K1	50K1	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------																
2)	TM	Pyridine	1.368	1.258	1.308	1.360	1.358	1.325	1.303	1.336								1.327	2.78
3)	MT	N-Nitrosodimet...	0.884	0.802	0.684	0.678	0.667	0.627	0.616	0.628								0.698	13.64
4)	S	2-Fluorophenol	1.287	1.196	1.216	1.267	1.295	1.255	1.234	1.271								1.253	2.77
5)	MT	Aniline	0.699	0.608	0.690	0.711	0.706	0.698	0.689	0.700								0.688	4.77
6)	MT	bis(2-Chloroet...	1.410	1.346	1.328	1.368	1.353	1.334	1.326	1.358								1.353	2.03
7)	S	Phenol-d5	1.480	1.419	1.456	1.509	1.540	1.498	1.475	1.512								1.486	2.50
8)	MC	Phenol	1.601	1.482	1.570	1.598	1.624	1.583	1.552	1.595								1.575	2.77
9)		Benzaldehyde									0.316	0.313	0.324	0.339	0.380			0.335	8.27
10)	MT	2-Chlorophenol	1.250	1.255	1.285	1.345	1.373	1.332	1.318	1.338								1.312	3.37
11)	T	n-Decane	0.981	0.866	0.859	0.852	0.842	0.800	0.768	0.779								0.843	7.94
12)	MT	1,3-Dichlorobe...	1.581	1.584	1.528	1.528	1.507	1.445	1.417	1.437								1.504	4.28
13)	MTC	1,4-Dichlorobe...	1.578	1.562	1.514	1.534	1.522	1.461	1.426	1.442								1.505	3.71
14)	MT	Benzyl Alcohol	0.936	0.879	0.900	0.977	1.007	0.992	0.983	1.014								0.961	5.22
15)	MT	1,2-Dichlorobe...	1.624	1.492	1.457	1.469	1.449	1.392	1.355	1.370								1.451	5.88
16)	MT	bis(2-Chlorois...	0.540	0.503	0.500	0.507	0.504	0.490	0.476	0.487								0.501	3.79
17)	MT	2,2-oxybis(1-c...	0.540	0.503	0.500	0.507	0.504	0.490	0.476	0.487								0.501	3.9
18)	MT	2-Methylphenol	1.141	1.074	1.178	1.234	1.242	1.197	1.183	1.191								1.180	4.52
19)	MT	Hexachloroethane	0.665	0.625	0.628	0.635	0.635	0.613	0.601	0.619								0.628	3.24

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20)	MP	N-Nitrosodi-n-...	0.798	0.775	0.805	0.849	0.881	0.863	0.857	0.887							0.839	4.03
21)	MT	3&4-Methyl phenol	1.284	1.215	1.250	1.349	1.365	1.321	1.302	1.326							1.302	3.06
22)	MT	Acetophenone									1.735	1.675	1.724	1.710	1.742	1.749	1.722	1.42
23)	I	Naphthalene-d8	----------ISTD----------															
24)	S	Nitrobenzene-d5	0.315	0.293	0.282	0.300	0.309	0.314	0.311	0.309							0.304	3.85
25)	MT	Nitrobenzene	0.297	0.295	0.296	0.315	0.314	0.320	0.313	0.311							0.307	3.22
26)	MT	Isophorone	0.585	0.546	0.560	0.609	0.628	0.641	0.623	0.622							0.602	5.69
27)	MCT	2-Nitrophenol		0.114	0.122	0.144	0.156	0.161	0.160	0.161							0.145	13.62
28)	MT	2,4-Dimethylph...	0.291	0.282	0.288	0.310	0.308	0.314	0.303	0.299							0.299	3.76
29)	MT	bis(2-Chloreth...	0.421	0.400	0.398	0.410	0.408	0.411	0.395	0.393							0.404	2.36
30)	MCT	2,4-Dichloroph...	0.225	0.212	0.222	0.243	0.249	0.252	0.243	0.246							0.237	6.17
31)	MT	Benzoic Acid										0.053	0.070	0.082	0.089	0.090	0.092	0.079	19.21
32)	MT	1,2,4-Trichlor...	0.309	0.301	0.278	0.283	0.281	0.279	0.267	0.265							0.283	5.40
33)	MT	alpha-terpineol									0.300	0.269	0.254	0.238	0.220	0.198	0.246	14.71
34)	MT	Naphthalene	1.132	1.056	0.995	1.012	0.984	0.971	0.920	0.918							0.999	7.08
35)	MT	4-Chloroaniline		0.094	0.099	0.103	0.108	0.110	0.109	0.111							0.105	6.04
36)	MCT	Hexachloro-1,3...	0.169	0.156	0.151	0.153	0.152	0.152	0.145	0.142							0.153	5.35
37)		Hydroquinone									0.190	0.191	0.172	0.180	0.173	0.162	0.153	0.175	7.89
38)	MT	Quinoline									0.547	0.506	0.492	0.448	0.409	0.368		0.462	14.35
39)	MT	Caprolactam										0.056	0.061	0.065	0.063	0.061	0.059	0.061	5.39
40)	MCT	4-Chloro-3-met...	0.227	0.216	0.220	0.247	0.262	0.271	0.268	0.269								0.247	9.40
41)	MT	2-Methylnaphth...	0.657	0.628	0.615	0.633	0.632	0.634	0.610	0.610								0.627	2.53
42)	MT	1-Methylnaphth...	0.647	0.631	0.597	0.610	0.613	0.611	0.589	0.587								0.611	3.54
43)	MT	1,2,4,5-Tetrac...									0.249	0.230	0.223	0.198	0.176			0.215	13.75
44)		Diphenyl Ether									0.372	0.348	0.331	0.295	0.266			0.322	13.75

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45)		Diphenyl Oxide								0.372	0.348	0.331	0.295	0.266	0.322	13.00
46)	I	Acenaphthene-d10	----------ISTD----------													
47)	MPT	Hexachlorocycl...	0.237	0.225	0.246	0.261	0.273	0.282	0.278	0.285					0.261	8.71
48)	MCT	2,4,6-Trichlor...	0.254	0.252	0.277	0.307	0.320	0.326	0.324	0.330					0.299	11.07
49)	MT	2,4,5-Trichlor...	0.255	0.244	0.276	0.318	0.335	0.336	0.334	0.344					0.305	13.27
50)	S	2-Fluorobiphenyl	1.398	1.349	1.266	1.291	1.261	1.226	1.180	1.191					1.270	5.89
51)	MT	Biphenyl	1.595	1.471	1.421	1.442	1.421	1.389	1.345	1.367					1.431	5.41
52)	MT	2-Chloronaphth...	1.156	1.154	1.117	1.125	1.093	1.087	1.047	1.059					1.105	3.67
53)	MT	2-Nitroaniline		0.247	0.301	0.338	0.357	0.358	0.364						0.328	13.91
54)	MT	Acenaphthylene	1.748	1.672	1.669	1.724	1.716	1.716	1.660	1.658					1.695	2.03
55)	MT	Dimethyl phtha...	1.195	1.180	1.209	1.272	1.284	1.286	1.244	1.233					1.238	3.30
56)	MT	2,6-Dinitrotol...		0.206	0.241	0.269	0.293	0.298	0.291	0.294					0.270	12.94
57)	MT	3-Nitroaniline			0.211	0.247	0.271	0.279	0.271	0.270					0.258	9.97
58)	MCT	Acenaphthene	1.227	1.216	1.140	1.145	1.143	1.134	1.089	1.096					1.149	4.33
59)	MPT	2,4-Dinitrophenol			0.049	0.066	0.085	0.097	0.101	0.112					0.085	27.73
60)	MT	Dibenzofuran	1.670	1.592	1.534	1.558	1.512	1.507	1.453	1.439					1.533	4.89
61)	MT	2,4-Dinitrotol...			0.268	0.322	0.348	0.365	0.358	0.368					0.338	11.31
62)	T	2,3,4,6-Tetrac...									0.169	0.200	0.219	0.231	0.241	0.241	0.217	12.88
63)	MPT	4-Nitrophenol			0.139	0.174	0.191	0.206	0.203	0.209					0.187	14.32
64)	MT	Fluorene	1.330	1.278	1.265	1.306	1.278	1.268	1.216	1.210					1.269	3.21
65)	MT	4-Chlorophenyl...	0.650	0.571	0.598	0.583	0.574	0.567	0.540	0.540					0.578	6.07
66)	MT	Diethyl phthalate	1.276	1.231	1.264	1.346	1.329	1.330	1.270	1.256					1.288	3.23
67)	MT	4-Nitroaniline		0.168	0.192	0.148	0.137	0.146	0.149	0.153					0.156	11.81
68)	MT	Azobenzene	1.230	1.233	1.287	1.356	1.347	1.335	1.280	1.287					1.294	3.76

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69)	MT	Atrazine								0.229	0.256	0.277	0.309	0.308	0.318	0.319	0.288	12.7
70)	I	Phenanthrene-d10	----------ISTD----------															
71)	MT	4,6-Dinitro-2-...			0.049	0.069	0.086	0.095	0.097	0.105							0.083	24.93
72)	MCT	N-Nitrosodiphe...	0.625	0.589	0.613	0.637	0.650	0.639	0.609	0.615							0.622	3.12
73)	S	2,4,6-Tribromo...		0.063	0.073	0.082	0.089	0.094	0.091	0.094							0.084	14.11
74)	MT	4-Bromophenyl-...	0.195	0.193	0.190	0.191	0.192	0.194	0.184	0.187							0.191	1.93
75)	MT	Hexachlorobenzene	0.253	0.236	0.221	0.221	0.221	0.219	0.207	0.208							0.223	6.72
76)	T	n-octadecane	0.162	0.138	0.146	0.148	0.155	0.153	0.146	0.145							0.149	4.99
77)	MCT	Pentachlorophenol			0.076	0.093	0.109	0.116	0.116	0.122							0.105	16.65#
78)	MT	Phenanthrene	1.217	1.087	1.056	1.055	1.049	1.038	0.990	0.991							1.060	6.75
79)	MT	Anthracene	1.017	0.956	0.985	1.027	1.041	1.030	0.995	1.003							1.007	2.77
80)	MT	Carbazole	0.839	0.793	0.846	0.884	0.889	0.907	0.856	0.877							0.861	4.17
81)	MT	Di-n-butyl pht...	1.124	1.076	1.208	1.343	1.408	1.432	1.352	1.376							1.290	10.48
82)	MT	2-nitrodipheny...									0.119	0.150	0.185	0.204	0.214	0.224	0.183	22.37
83)	MCT	Fluoranthene	1.023	0.956	0.994	1.052	1.077	1.086	1.051	1.060							1.038	4.25
84)	I	Chrysene-d12	----------ISTD----------															
85)	MT	Benzidine								0.131	0.151	0.194	0.249	0.323	0.401	0.451	0.271	45.78
86)	MT	Pyrene	1.708	1.538	1.511	1.506	1.480	1.441	1.401	1.403							1.498	6.58
87)	S	p-Terphenyl-d14	1.168	1.131	1.106	1.116	1.118	1.099	1.052	1.066							1.107	3.26
88)	MT	Benzylbutyl ph...			0.562	0.651	0.709	0.733	0.724	0.748							0.688	10.16
89)	MT	3,3-Dichlorobe...									0.272	0.322	0.358	0.368	0.380	0.379	0.346	12.20
90)	MT	Benzo(a)anthra...	1.088	1.076	1.063	1.122	1.143	1.158	1.127	1.156							1.117	3.28
91)	MT	Chrysene	1.255	1.222	1.177	1.182	1.181	1.159	1.115	1.145							1.179	3.31
92)	MT	bis(2-Ethylhex...			0.831	0.973	1.062	1.081	1.054	1.088							1.015	9.75
93)	MC	Di-n-octyl pht...		0.902	1.092	1.364	1.579	1.675	1.649	1.718							1.425	22.53

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94)	I	Perylene-d12	----------ISTD----------									
95)	MT	Benzo(b)fluora...	1.058	1.057	1.118	1.206	1.226	1.269	1.217	1.229	1.172	7.06
96)	MT	Benzo(k)fluora...	1.052	1.042	1.176	1.287	1.276	1.272	1.235	1.251	1.199	8.32
97)	MC	Benzo(a)pyrene	0.809	0.761	0.880	0.996	1.021	1.059	1.025	1.052	0.950	12.31
98)	MT	Indeno(1,2,3-c...	0.784	0.733	0.821	0.905	0.908	0.949	0.911	0.909	0.865	8.78
99)	MT	Dibenz(a,h)ant...	0.841	0.877	0.947	1.024	1.022	1.047	1.001	0.996	0.969	7.71
100)	MT	Benzo(g,h,i)pe...	0.908	0.974	1.022	1.105	1.072	1.084	1.035	1.015	1.027	6.23

(#) = Out of Range

Pace Analytical - Minnesota
10606395.
PROJECT: 10606395
SDG: L1488161
DATE/TIME: 05/13/22 16:05
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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_03.D
Acq On : 31 Mar 2022 5:24 pm
Operator : 3545
Sample : STD SVMS 500 PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 16:01:33 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 15:59:57 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.410	152	31379	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.145	136	126523	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.310	164	63425	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.433	188	100259	8000.0000000	ppb		0.00
84) Chrysene-d12	9.251	240	65923	8000.0000000	ppb		0.00
94) Perylene-d12	11.957	264	60338	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.740	112	2524	507.9989337	ppb		0.00
Spiked Amount 20000.000			Recovery =	2.54%			
7) Phenol-d5	3.175	99	2902	490.2811940	ppb		0.00
Spiked Amount 20000.000			Recovery =	2.45%			
24) Nitrobenzene-d5	3.710	82	2493m	524.6305136	ppb		0.00
Spiked Amount 10000.000			Recovery =	5.25%			
50) 2-Fluorobiphenyl	4.828	172	5540	541.1485688	ppb		0.00
Spiked Amount 10000.000			Recovery =	5.41%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb		
Spiked Amount 20000.000			Recovery =	0.00%			
87) p-Terphenyl-d14	7.845	244	4811	523.3093824	ppb		0.00
Spiked Amount 10000.000			Recovery =	5.23%			
Target Compounds							Qvalue
2) Pyridine	2.263	79	2682m	502.9288558	ppb		
3) N-Nitrosodimethylamine	2.204	42	1734m	651.9362692	ppb		
5) Aniline	3.228	66	1370	491.5376500	ppb	#	79
6) bis(2-Chloroethyl)ether	3.245	93	2765m	515.1374508	ppb		
8) Phenol	3.181	94	3140	501.1068373	ppb		93
10) 2-Chlorophenol	3.292	128	2452	464.8748538	ppb		95
11) n-Decane	3.292	41	1924	575.6723728	ppb	#	36
12) 1,3-Dichlorobenzene	3.381	146	3101	517.2524205	ppb		96
13) 1,4-Dichlorobenzene	3.416	146	3094	514.0708349	ppb	#	68
14) Benzyl Alcohol	3.469	79	1836	479.0055036	ppb		99
15) 1,2-Dichlorobenzene	3.504	146	3184	552.5060104	ppb		97
16) bis(2-Chloroisopropyl)...	3.539	121	1060	532.7713266	ppb		87
17) 2,2-oxybis(1-chloropro...	3.539	121	1060	532.7713266	ppb		87
18) 2-Methylphenol	3.510	108	2237	462.2064517	ppb		86
19) Hexachloroethane	3.698	117	1305	524.0277072	ppb		97
20) N-Nitrosodi-n-propylamine	3.610	70	1565	469.7971863	ppb		98
21) 3&4-Methyl phenol	3.592	107	2518	475.7854675	ppb		95
25) Nitrobenzene	3.722	77	2349	471.8104374	ppb		92
26) Isophorone	3.851	82	4629	480.4591456	ppb		99
28) 2,4-Dimethylphenol	3.904	107	2304	469.9159942	ppb		92
29) bis(2-Chlorethoxy)methane	3.969	93	3329	513.4626234	ppb		98
30) 2,4-Dichlorophenol	4.039	162	1782	464.4492046	ppb		84
32) 1,2,4-Trichlorobenzene	4.104	180	2444	545.7286958	ppb		94
34) Naphthalene	4.157	128	8954m	559.6849764	ppb		
36) Hexachloro-1,3-butadiene	4.222	225	1339	554.5918131	ppb		91
40) 4-Chloro-3-methylphenol	4.463	107	1795	460.1058487	ppb		92
41) 2-Methylnaphthalene	4.592	142	5197	519.2282987	ppb	#	95
42) 1-Methylnaphthalene	4.657	142	5117	530.1816916	ppb	#	96
47) Hexachlorocyclopentadiene	4.692	237	939m	453.4144396	ppb		
48) 2,4,6-Trichlorophenol	4.769	196	1005	412.4968894	ppb		93
49) 2,4,5-Trichlorophenol	4.792	196	1011	400.6238575	ppb		94
51) Biphenyl	4.898	154	6324	553.1433075	ppb		99

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Acq On : 31 Mar 2022 5:24 pm
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Sample : STD SVMS 500 PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 16:01:33 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 15:59:57 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
52)	2-Chloronaphthalene	4.922	162	4581	513.4164333 ppb		95
54)	Acenaphthylene	5.210	152	6929	506.9901865 ppb		99
55)	Dimethyl phthalate	5.092	163	4737	469.5927938 ppb		91
58)	Acenaphthene	5.333	153	4864	535.9579409 ppb		98
60)	Dibenzofuran	5.457	168	6619	535.9944213 ppb	#	89
64)	Fluorene	5.710	166	5272	509.1051045 ppb		96
65)	4-Chlorophenyl-phenyle...	5.704	204	2576	557.7817146 ppb		99
66)	Diethyl phthalate	5.604	149	5060	474.0047284 ppb		98
68)	Azobenzene	5.822	77	4874	453.2199158 ppb	#	86
72)	N-Nitrosodiphenylamine	5.786	169	3919	491.1822538 ppb		99
74)	4-Bromophenyl-phenylether	6.075	248	1225	512.3795821 ppb		96
75)	Hexachlorobenzene	6.128	284	1585	573.4533593 ppb		94
76)	n-octadecane	6.316	55	1016	548.9786212 ppb	#	29
78)	Phenanthrene	6.451	178	7629	577.0254334 ppb		98
79)	Anthracene	6.492	178	6370	494.8391331 ppb		97
80)	Carbazole	6.610	167	5256	474.4175216 ppb	#	62
81)	Di-n-butyl phthalate	6.880	149	7044	418.5148193 ppb		99
83)	Fluoranthene	7.457	202	6410	485.9650062 ppb		99
86)	Pyrene	7.686	202	7038	567.1001911 ppb		97
88)	Benzylbutyl phthalate	8.445	149	2045	380.9486504 ppb		99
90)	Benzo(a)anthracene	9.233	228	4484	484.9718122 ppb		93
91)	Chrysene	9.292	228	5171	530.7402982 ppb		97
92)	bis(2-Ethylhexyl)phtha...	9.339	149	2721	339.4590534 ppb		94
93)	Di-n-octyl phthalate	10.563	149	3967	353.0003114 ppb		96
95)	Benzo(b)fluoranthene	11.180	252	3990	438.5119188 ppb		99
96)	Benzo(k)fluoranthene	11.233	252	3967	408.5899278 ppb		99
97)	Benzo(a)pyrene	11.839	252	3050	406.0798426 ppb		95
98)	Indeno(1,2,3-cd)pyrene	13.886	276	2955	433.0546037 ppb		93
99)	Dibenz(a,h)anthracene	13.939	278	3172	410.5654286 ppb		98
100)	Benzo(g,h,i)perylene	14.227	276	3424	410.7757987 ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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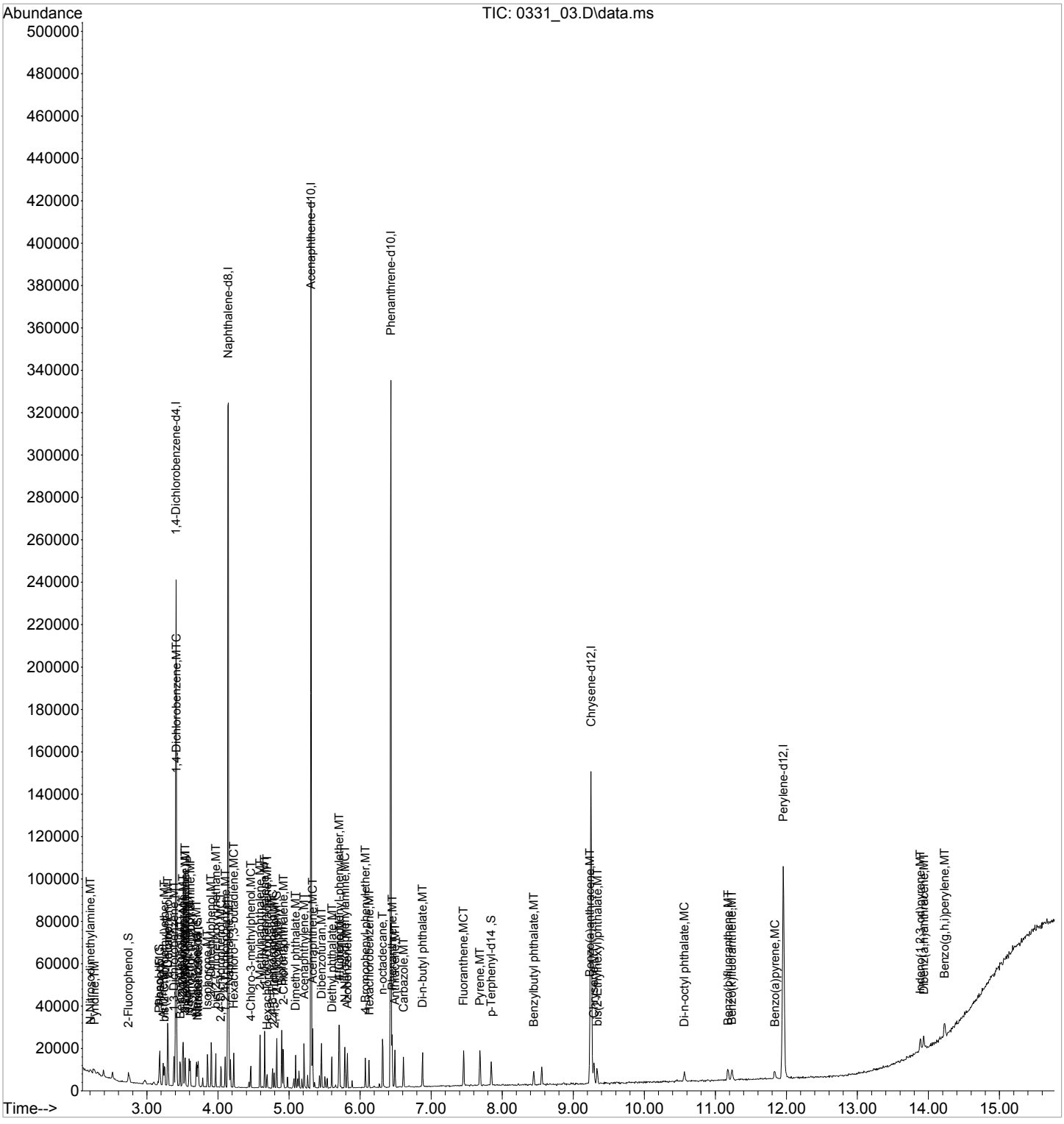
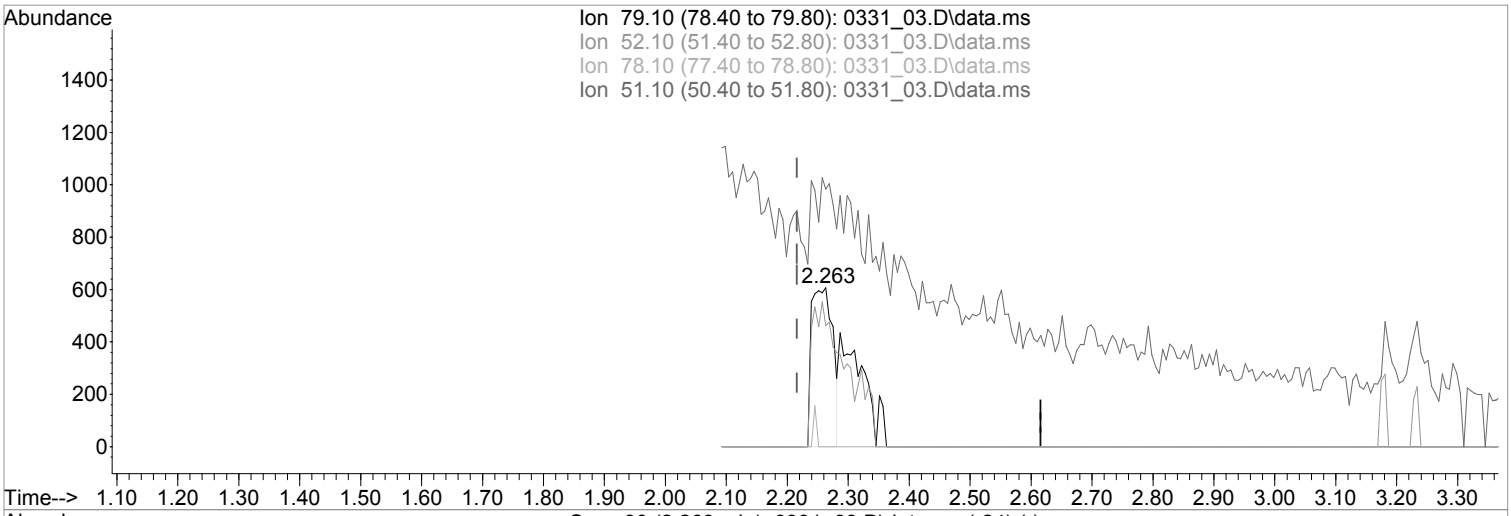
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 15:59:57 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

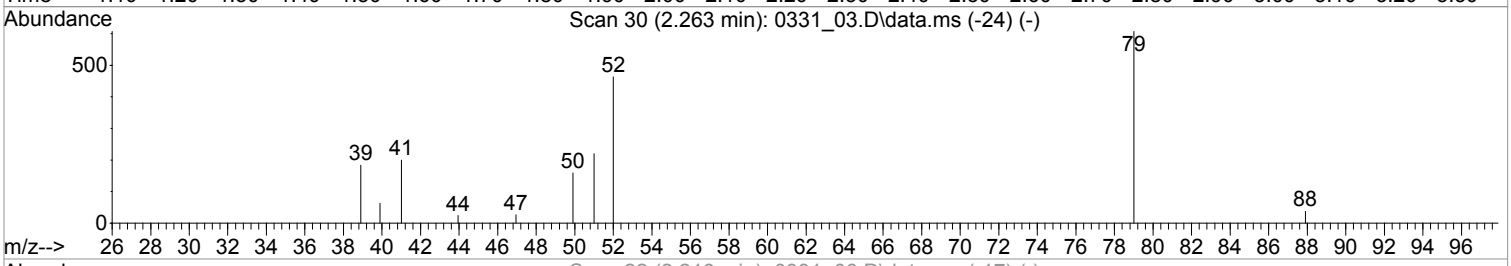


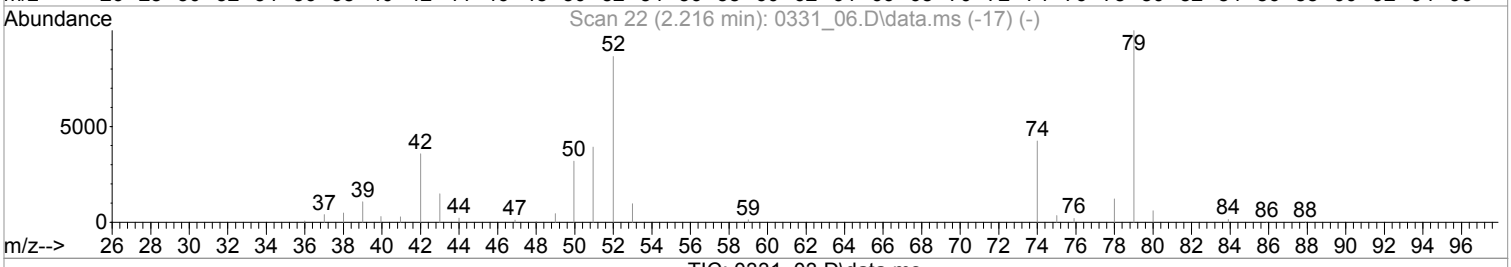
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_03.D
Acq On : 31 Mar 2022 5:24 pm
Operator : 3545
Sample : STD SVMS 500 PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 16:00:09 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 15:59:57 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_03.D\data.ms

(2) Pyridine (TM)

2.263min (+0.047) 273.5917974 ppb

Qvalue = 88

response 1459

Ion	Exp%	Act%
79.10	100	100
52.10	86.50	76.28
78.10	12.30	0.00#
51.10	40.80	36.24

Quantitation Report (Qedit)

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Acq On : 31 Mar 2022 5:24 pm
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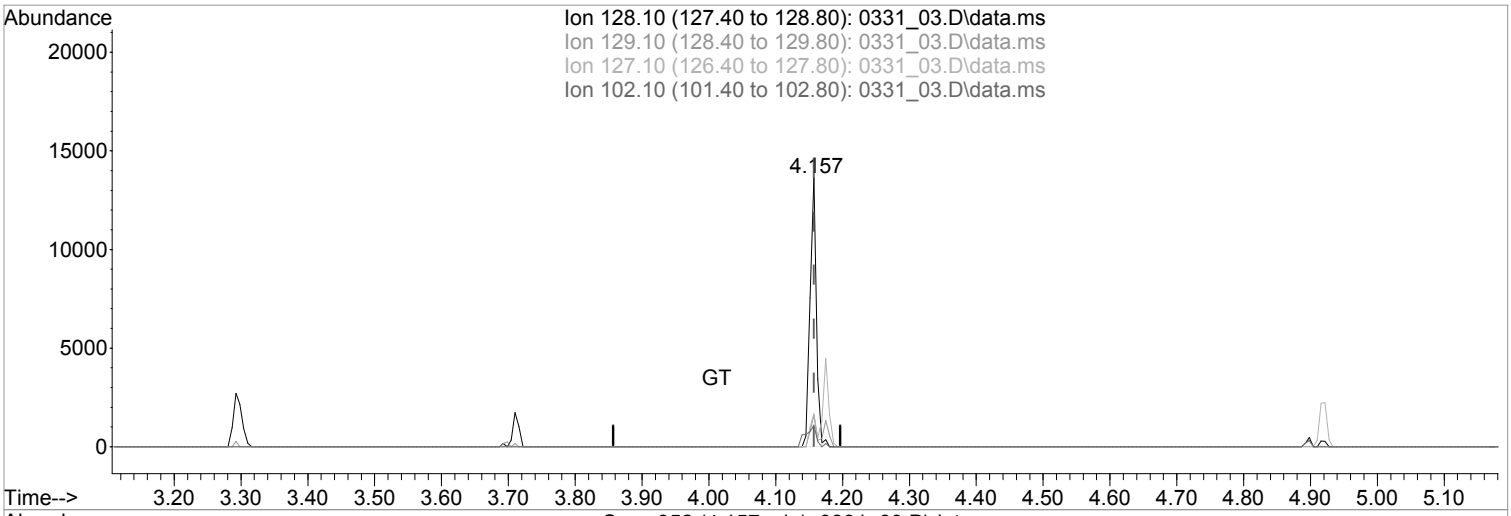
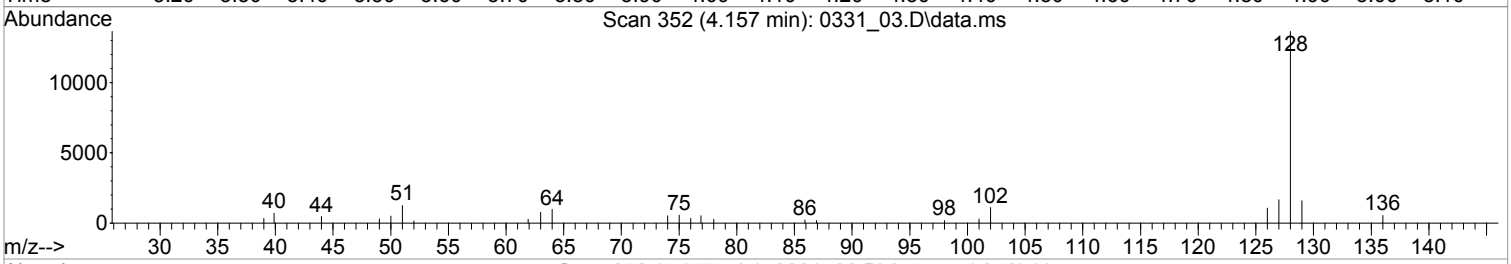
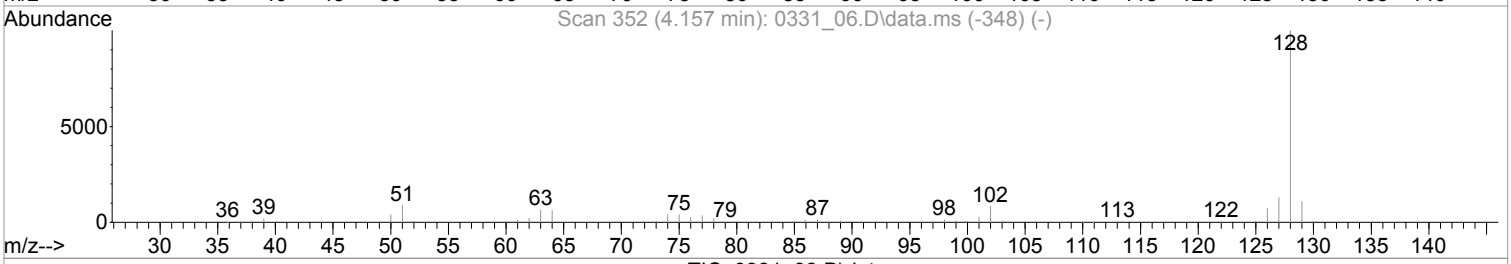
DataAcq Meth:BNA24PS.M







TIC: 0331_03.D\data.ms

(34) Naphthalene (MT)

4.157min (-0.000) 559.6849764 ppb m

response 8954

Ion	Exp%	Act%
128.10	100	100
129.10	10.90	11.62
127.10	12.80	12.25
102.10	8.30	8.14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_03.D
Acq On : 31 Mar 2022 5:24 pm
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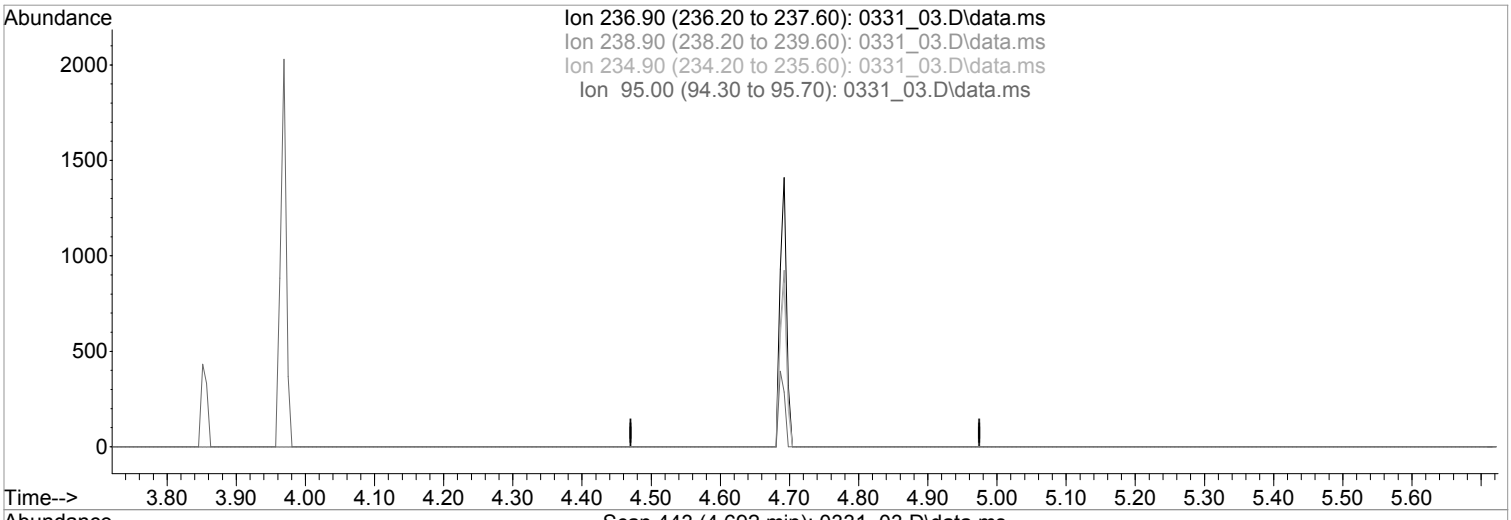
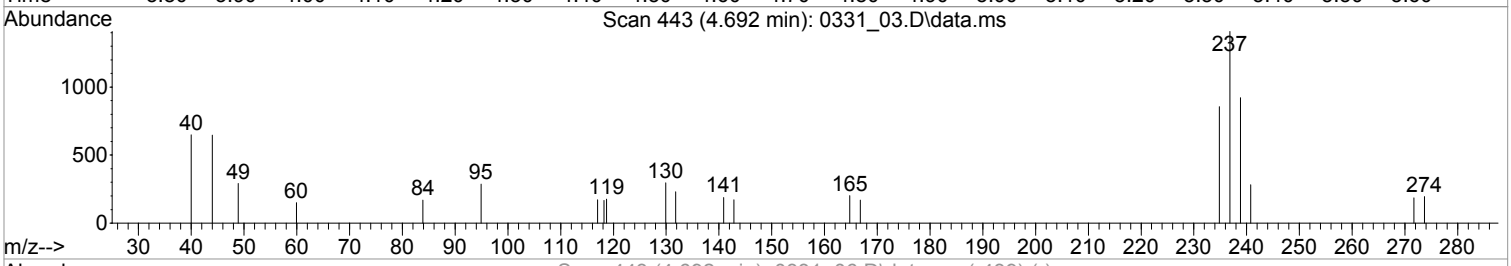
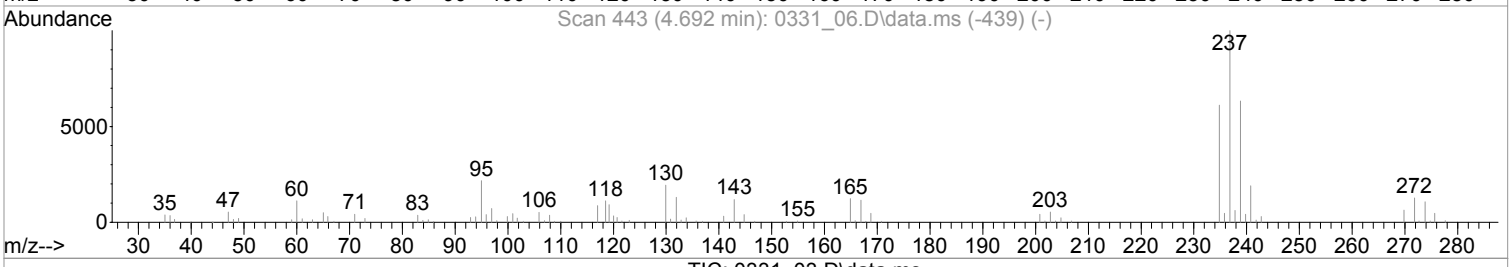
DataAcq Meth:BNA24PS.M







TIC: 0331_03.D\data.ms

(47) Hexachlorocyclopentadiene (MPT)

4.692min (-4.692) 0.0000000 ppb

Qvalue = 0

response 0

Ion	Exp%	Act%
236.90	100	0.00
238.90	63.30	0.00#
234.90	61.10	0.00#
95.00	21.70	0.00#

Data Path : C:\msdchem\1\data\033122\
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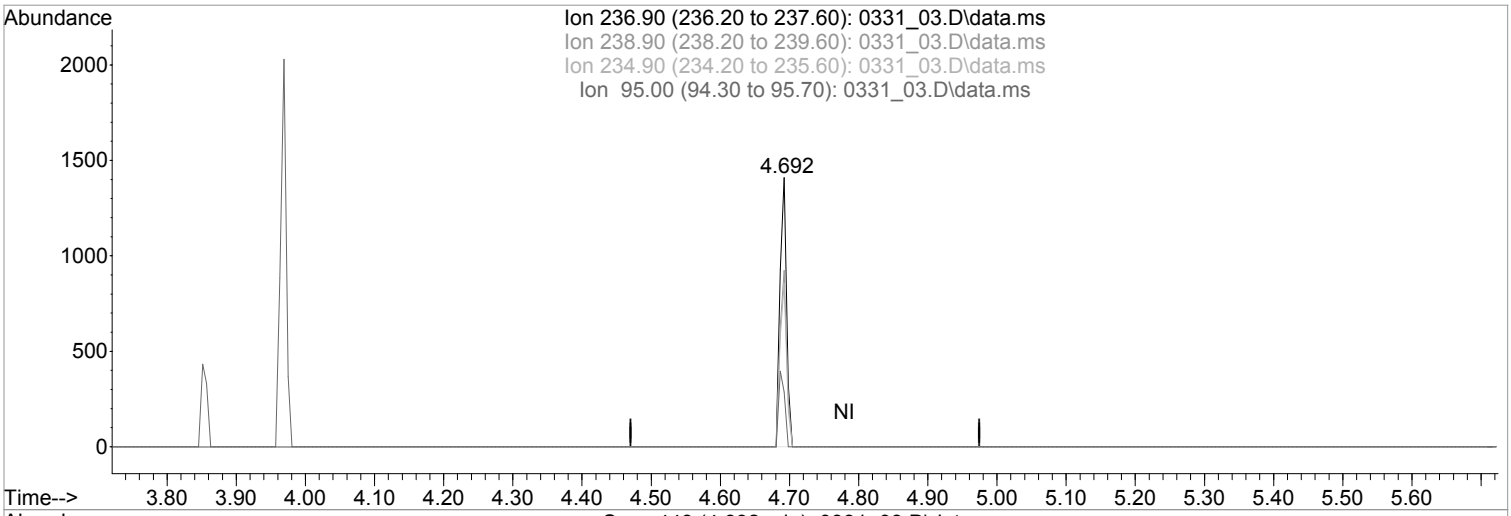
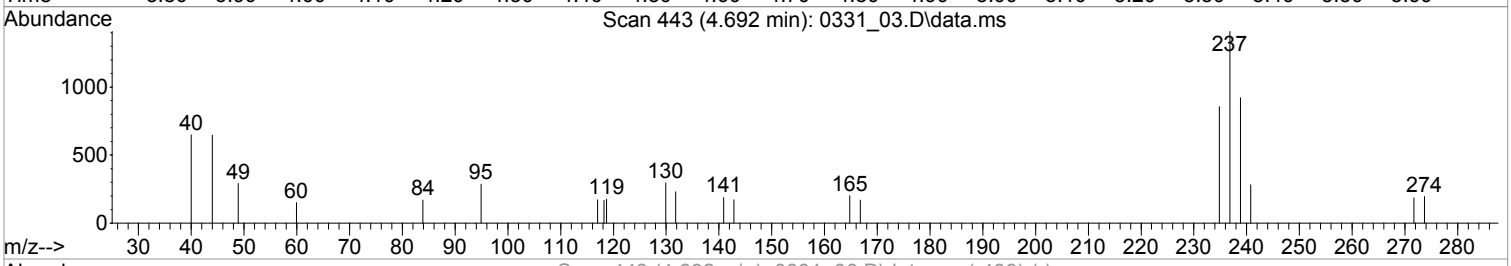
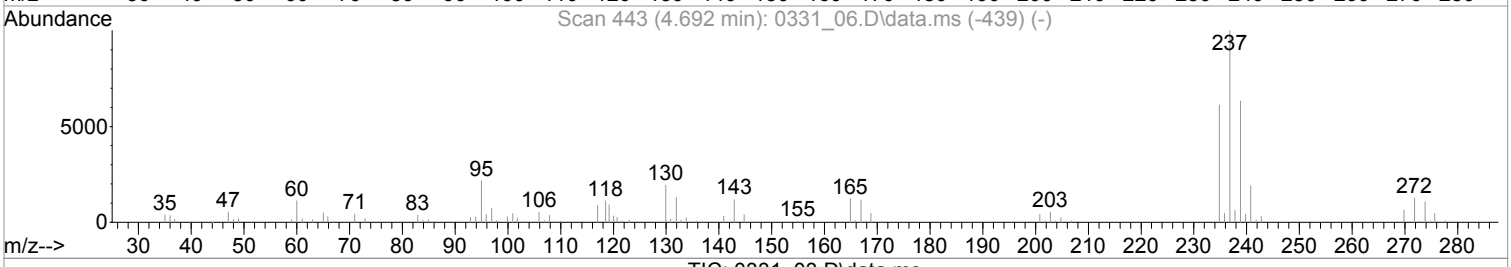
DataAcq Meth:BNA24PS.M







TIC: 0331_03.D\data.ms

(47) Hexachlorocyclopentadiene (MPT)

4.692min (-0.000) 453.4144396 ppb m

response 939

Ion	Exp%	Act%
236.90	100	100
238.90	63.30	65.51
234.90	61.10	60.75
95.00	21.70	20.37

Data Path : C:\msdchem\1\data\033122\
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Quant Time: Apr 04 16:00:09 2022
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Quant Title : 8270 BNA
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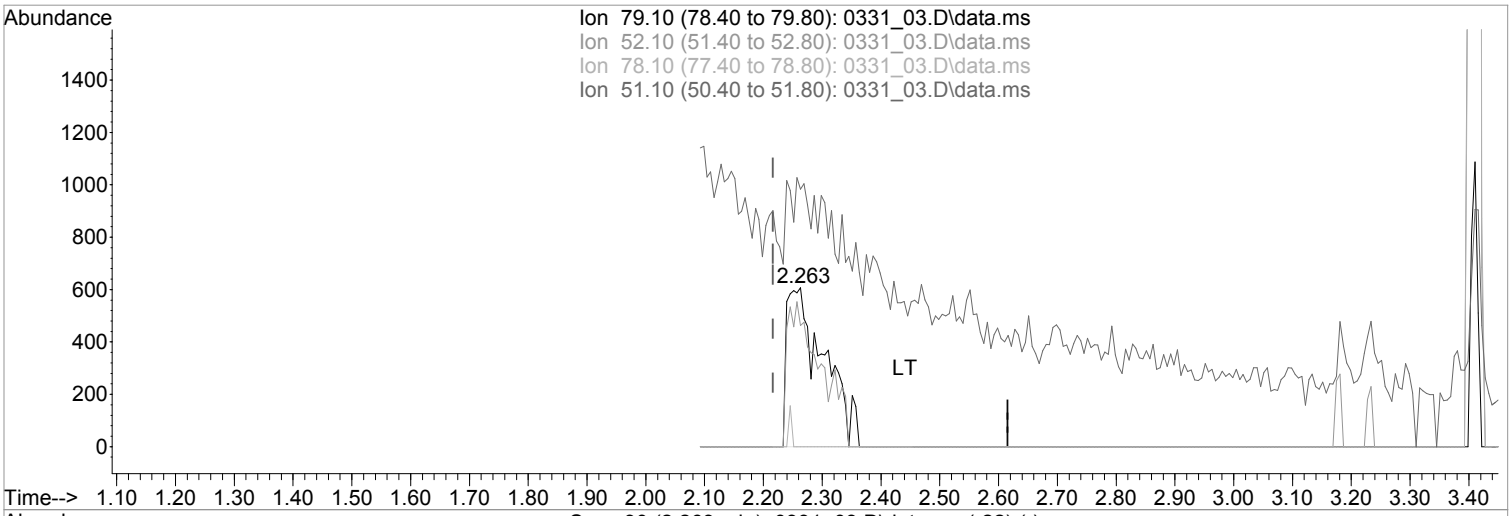
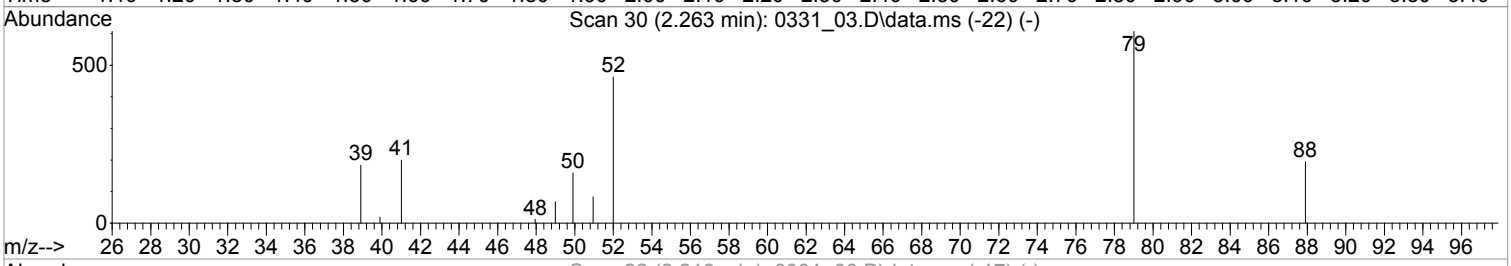
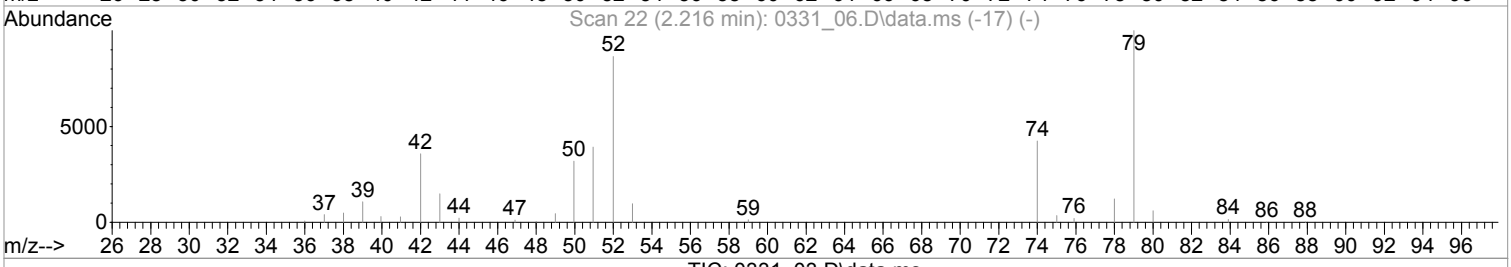
DataAcq Meth:BNA24PS.M







TIC: 0331_03.D\data.ms

(2) Pyridine (TM)

2.263min (+0.047) 502.9288558 ppb m

response 2682

Ion	Exp%	Act%
79.10	100	100
52.10	86.50	76.28
78.10	12.30	0.00#
51.10	40.80	162.11#

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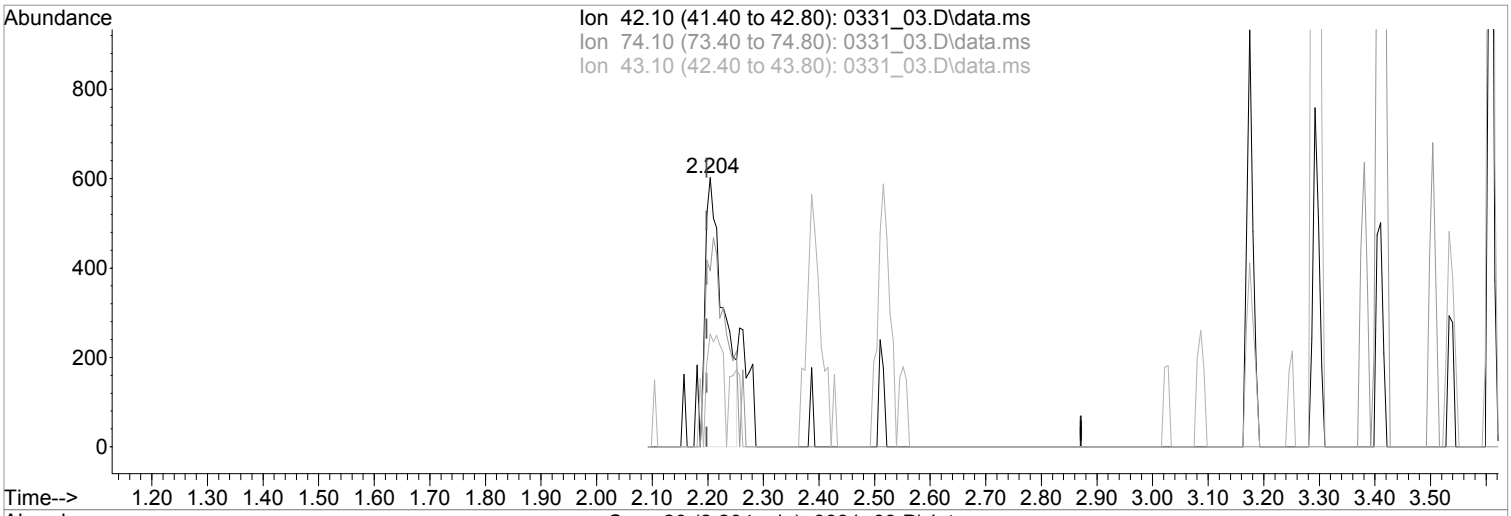
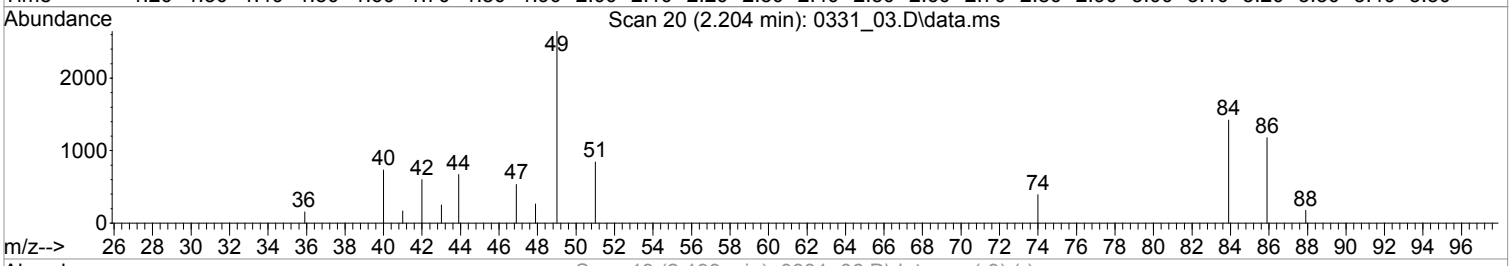
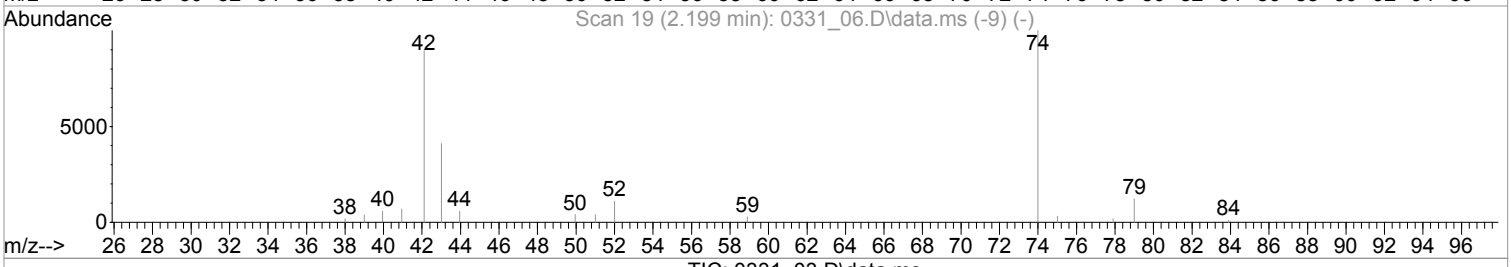
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 15:59:57 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_03.D\data.ms

(3) N-Nitrosodimethylamine (MT)

2.204min (+0.006) 539.1445272 ppb

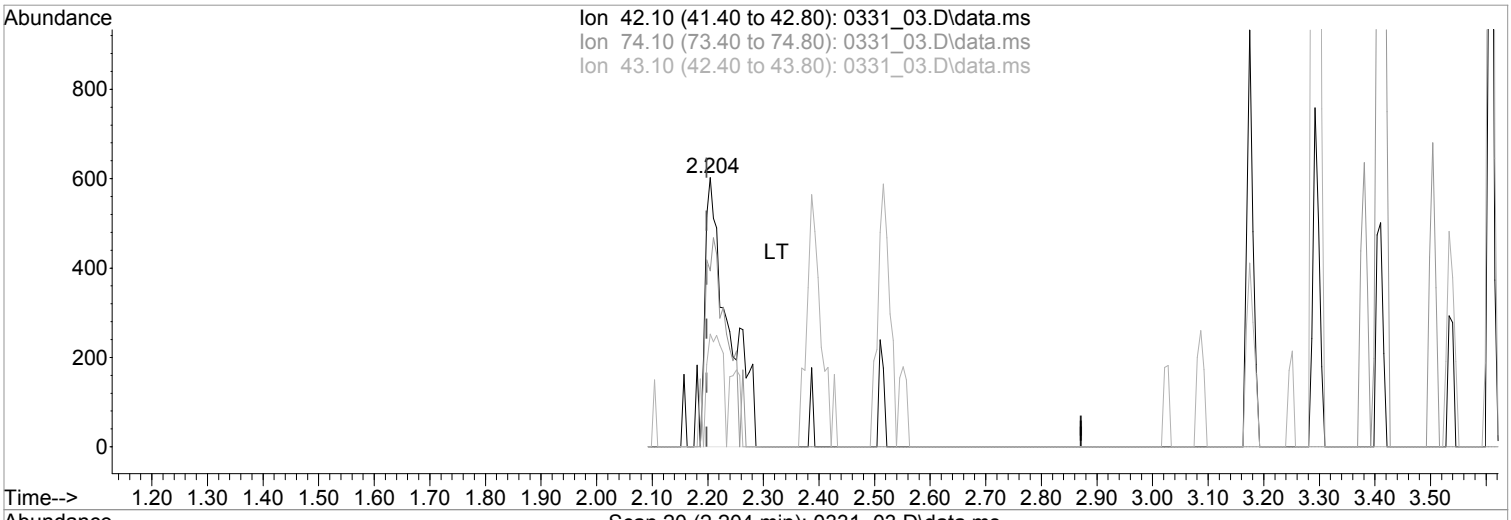
Qvalue = 64

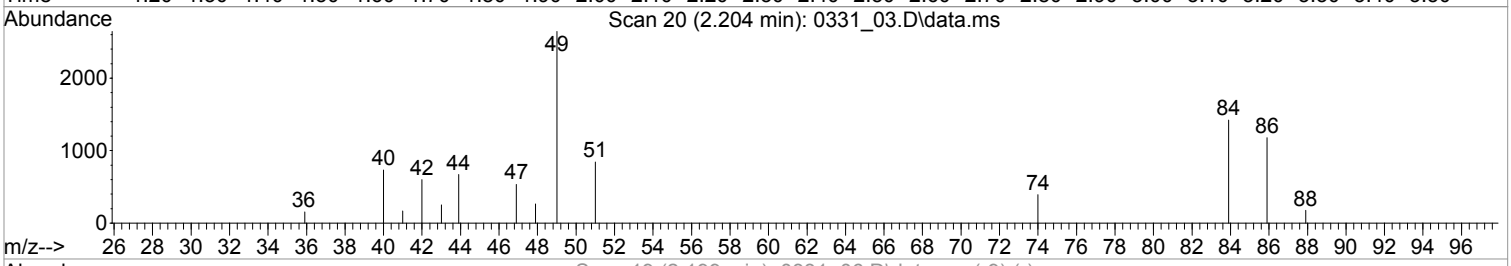
response 1434

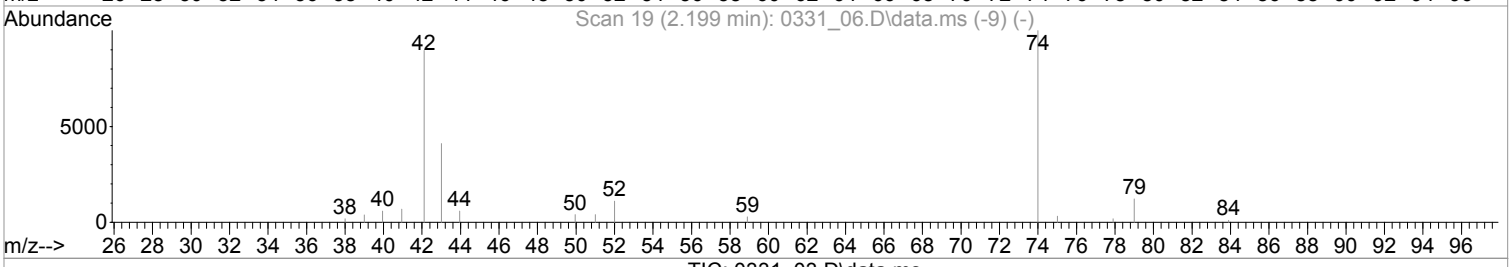
Ion	Exp%	Act%
42.10	100	100
74.10	109.30	86.75#
43.10	46.50	0.00#
0.00	0.00	0.00

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_03.D
Acq On : 31 Mar 2022 5:24 pm
Operator : 3545
Sample : STD SVMS 500 PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 16:00:09 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 15:59:57 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_03.D\data.ms

(3) N-Nitrosodimethylamine (MT)

2.204min (+0.006) 651.9362692 ppb m

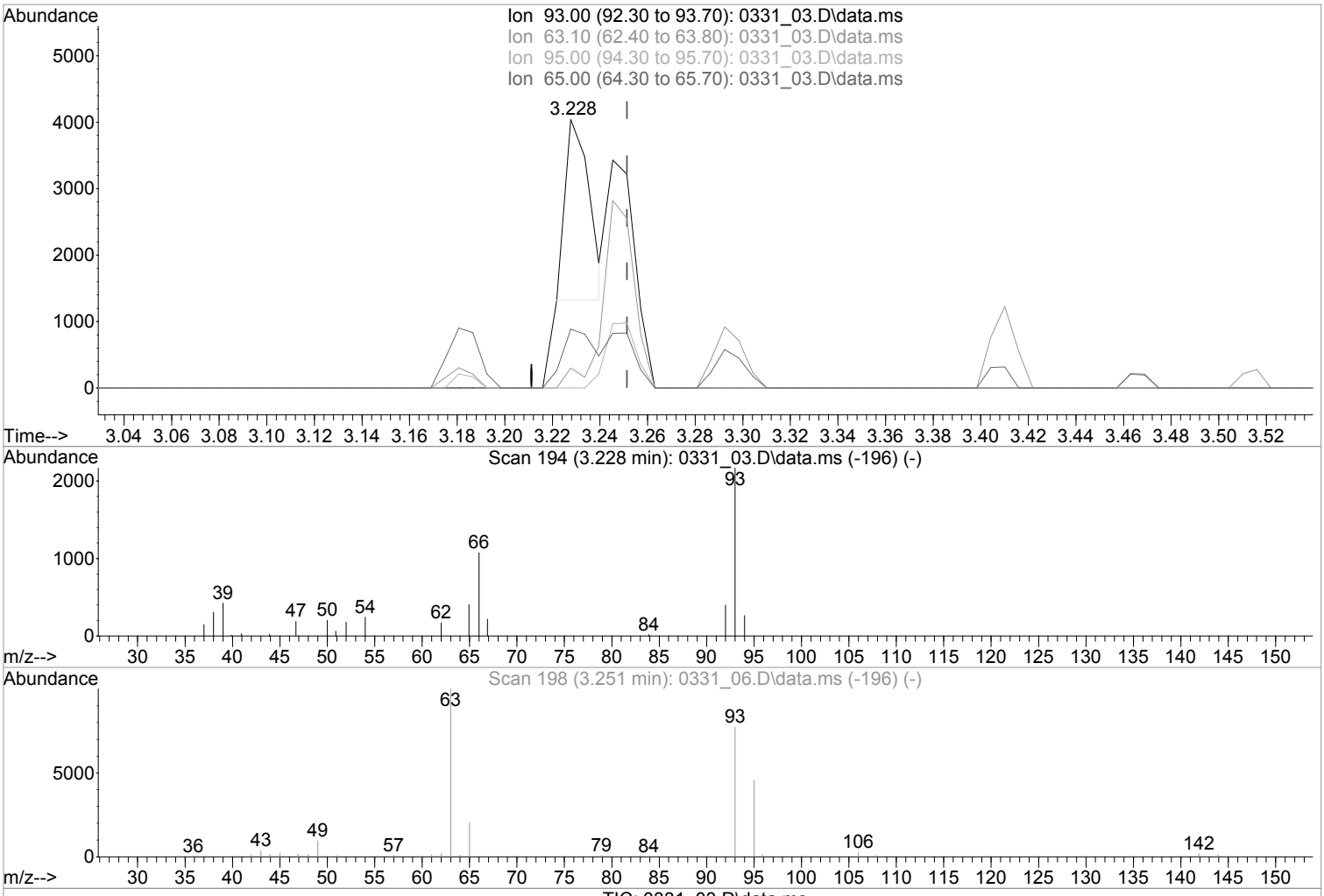
response 1734

Ion	Exp%	Act%
42.10	100	100
74.10	109.30	71.74#
43.10	46.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_03.D
Acq On : 31 Mar 2022 5:24 pm
Operator : 3545
Sample : STD SVMS 500 PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 16:00:09 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 15:59:57 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_03.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.228min (-0.024) 356.9632390 ppb

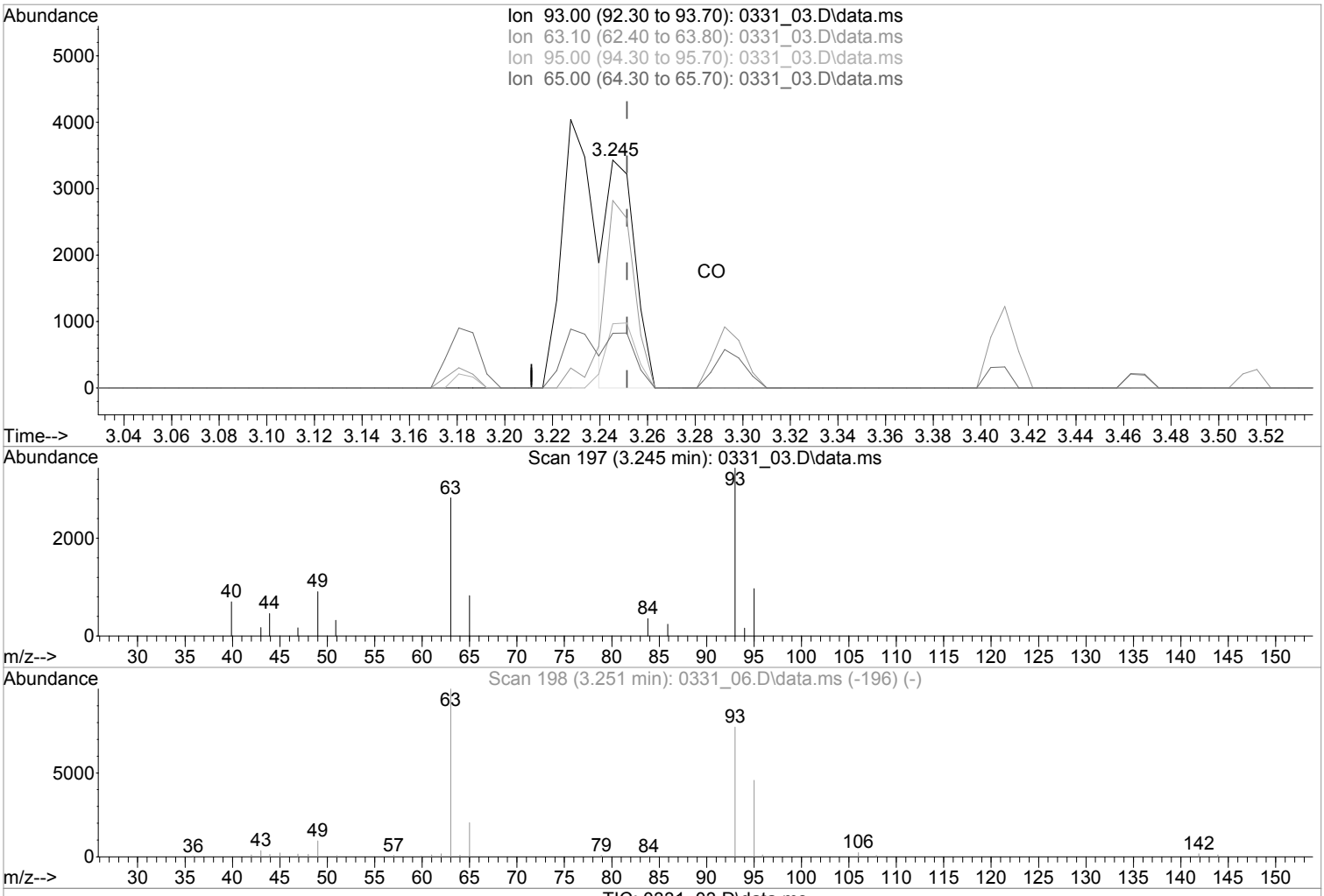
Qvalue = 42

response 1916

Ion	Exp%	Act%
93.00	100	100
63.10	76.00	11.06#
95.00	31.90	0.00#
65.00	23.10	22.97

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_03.D
Acq On : 31 Mar 2022 5:24 pm
Operator : 3545
Sample : STD SVMS 500 PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 16:00:09 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 15:59:57 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_03.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.245min (-0.006) 515.1374508 ppb m

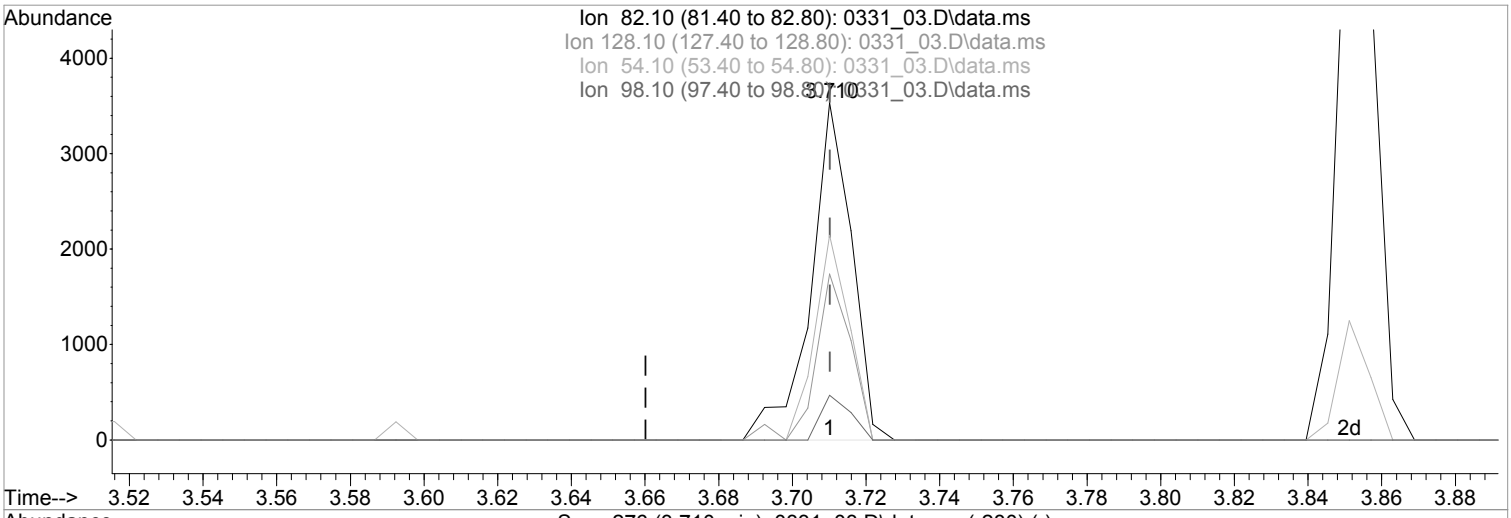
response 2765

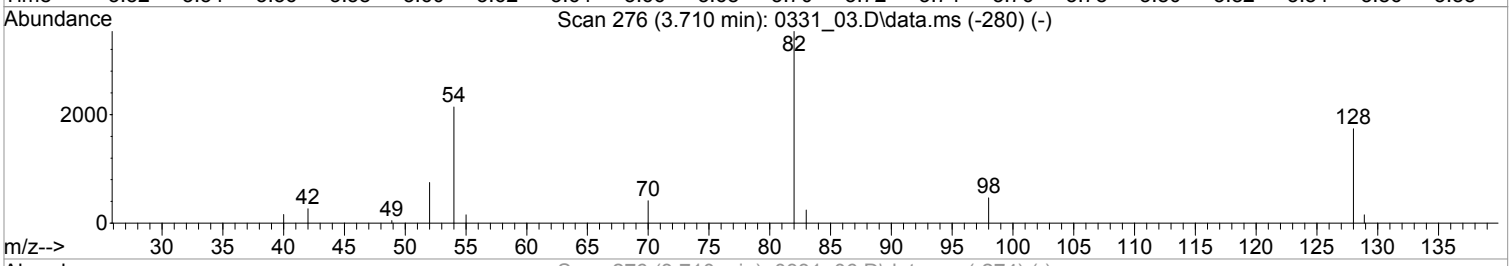
Ion	Exp%	Act%
93.00	100	100
63.10	76.00	82.25
95.00	31.90	28.18
65.00	23.10	24.05

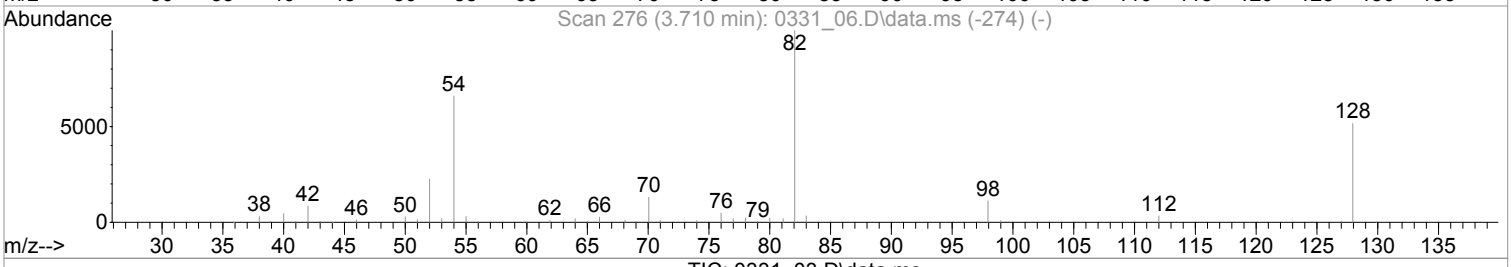
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_03.D
Acq On : 31 Mar 2022 5:24 pm
Operator : 3545
Sample : STD SVMS 500 PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 16:00:09 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 15:59:57 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_03.D\data.ms

(24) Nitrobenzene-d5 (S)

3.710min (-0.000) 575.7677839 ppb

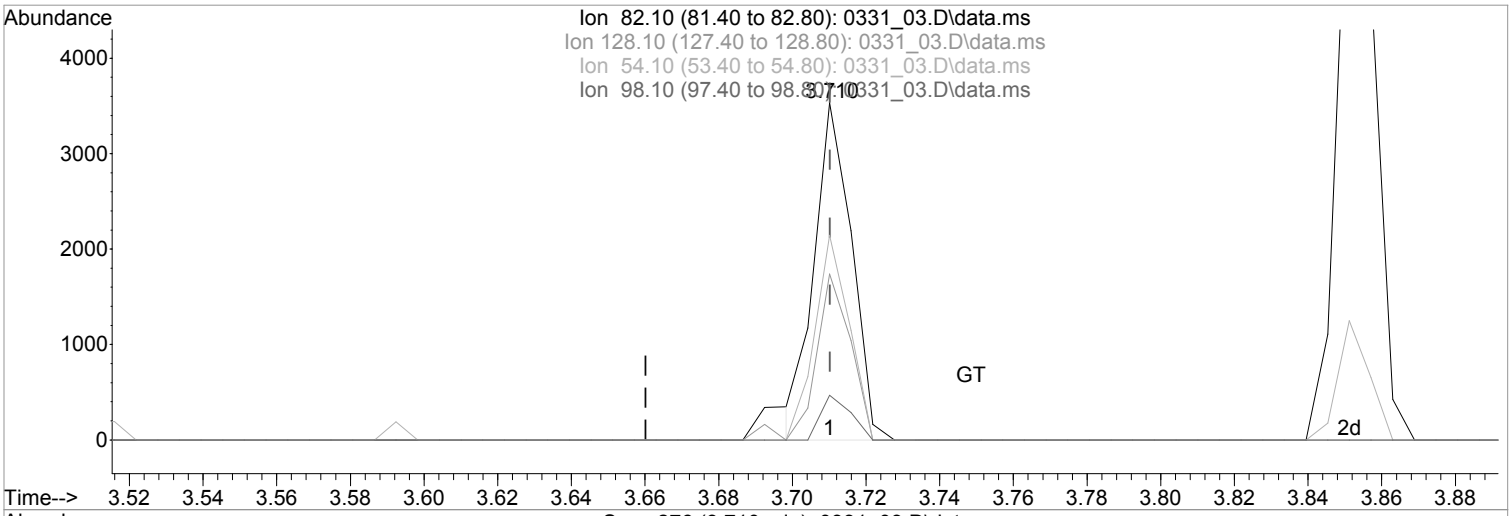
Qvalue = 98

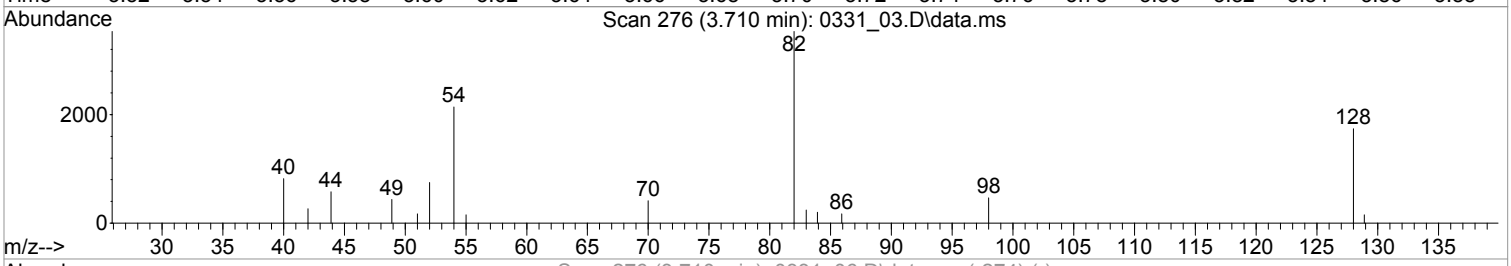
response 2736

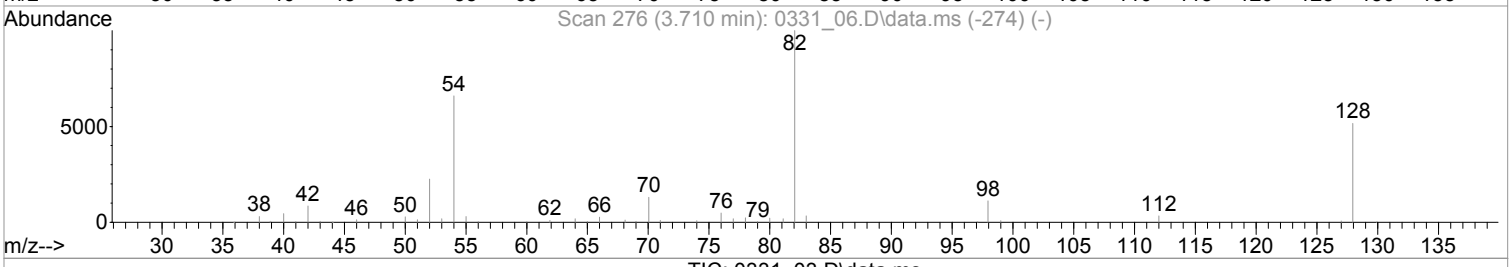
Ion	Exp%	Act%
82.10	100	100
128.10	46.80	49.19
54.10	60.00	60.68
98.10	11.40	13.25

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_03.D
Acq On : 31 Mar 2022 5:24 pm
Operator : 3545
Sample : STD SVMS 500 PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 16:00:09 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 15:59:57 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_03.D\data.ms

(24) Nitrobenzene-d5 (S)

3.710min (-0.000) 524.6305136 ppb m

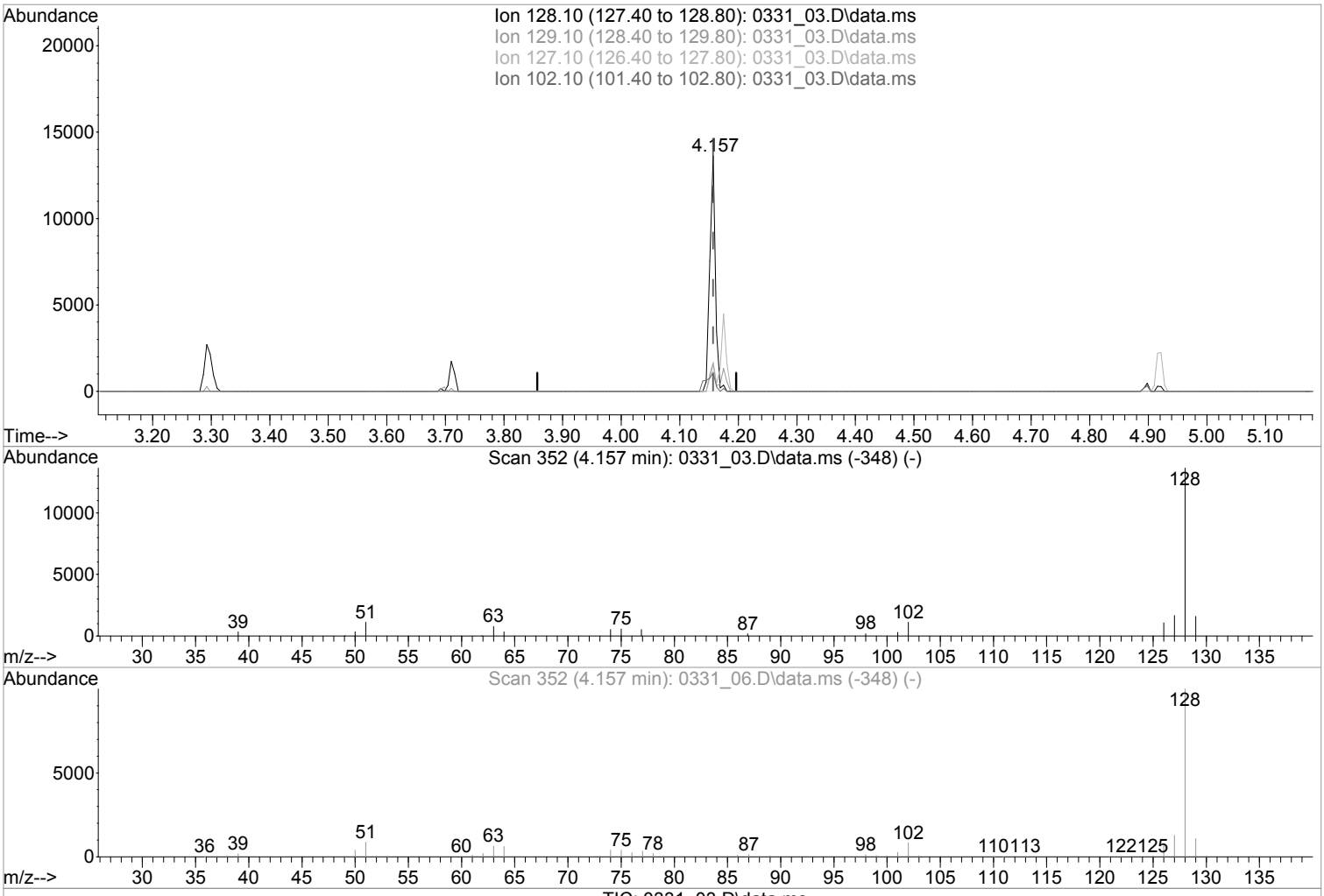
response 2493

Ion	Exp%	Act%
82.10	100	100
128.10	46.80	49.19
54.10	60.00	60.68
98.10	11.40	13.25

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_03.D
Acq On : 31 Mar 2022 5:24 pm
Operator : 3545
Sample : STD SVMS 500 PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 04 16:00:09 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 15:59:57 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_03.D\data.ms

(34) Naphthalene (MT)

4.157min (-0.000) 567.6233271 ppb

Qvalue = 99

response 9081

Ion	Exp%	Act%
128.10	100	100
129.10	10.90	11.62
127.10	12.80	12.25
102.10	8.30	8.14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_04.D
Acq On : 31 Mar 2022 5:45 pm
Operator : 3545
Sample : STD SVMS 1K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 16:03:57 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:02:11 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.410	152	32256	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.145	136	127295	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.310	164	64408	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.434	188	102417	8000.0000000	ppb		0.00
84) Chrysene-d12	9.251	240	66477	8000.0000000	ppb		0.00
94) Perylene-d12	11.957	264	60703	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.740	112	4822	936.6323900	ppb		0.00
Spiked Amount 20000.000				Recovery = 4.68%			
7) Phenol-d5	3.175	99	5723	949.8206996	ppb		0.00
Spiked Amount 20000.000				Recovery = 4.75%			
24) Nitrobenzene-d5	3.710	82	4668m	952.9123725	ppb		0.00
Spiked Amount 10000.000				Recovery = 9.53%			
50) 2-Fluorobiphenyl	4.828	172	10861	1003.4240800	ppb		0.00
Spiked Amount 10000.000				Recovery = 10.03%			
73) 2,4,6-Tribromophenol	5.887	330	805m	762.4927132	ppb		0.00
Spiked Amount 20000.000				Recovery = 3.81%			
87) p-Terphenyl-d14	7.845	244	9398	990.6430560	ppb		0.00
Spiked Amount 10000.000				Recovery = 9.91%			
Target Compounds							Qvalue
2) Pyridine	2.240	79	5071	922.3587099	ppb	#	95
3) N-Nitrosodimethylamine	2.199	42	3234	1026.8244509	ppb		87
5) Aniline	3.228	66	2453	863.4817222	ppb	#	87
6) bis(2-Chloroethyl)ether	3.246	93	5429m	969.2851721	ppb		
8) Phenol	3.181	94	5974	926.4330927	ppb		95
10) 2-Chlorophenol	3.293	128	5060	967.2165217	ppb		98
11) n-Decane	3.293	41	3492	944.9158398	ppb	#	99
12) 1,3-Dichlorobenzene	3.381	146	6386	1018.6606650	ppb		98
13) 1,4-Dichlorobenzene	3.416	146	6299	1004.0019603	ppb	#	88
14) Benzyl Alcohol	3.463	79	3546	919.2846602	ppb		99
15) 1,2-Dichlorobenzene	3.504	146	6014	964.5647258	ppb		96
16) bis(2-Chloroisopropyl)...	3.540	121	2029	960.5974778	ppb		92
17) 2,2-oxybis(1-chloropro...	3.540	121	2029	960.5974778	ppb		92
18) 2-Methylphenol	3.510	108	4331	904.7290329	ppb		93
19) Hexachloroethane	3.698	117	2518	960.5419697	ppb		92
20) N-Nitrosodi-n-propylamine	3.610	70	3124	940.7078404	ppb		99
21) 3&4-Methyl phenol	3.593	107	4900	923.0511547	ppb		97
25) Nitrobenzene	3.722	77	4690	963.4605718	ppb		95
26) Isophorone	3.851	82	8692	914.5714399	ppb		99
27) 2-Nitrophenol	3.904	139	1821	795.4129864	ppb		93
28) 2,4-Dimethylphenol	3.904	107	4491	938.6524583	ppb		93
29) bis(2-Chlorethoxy)methane	3.969	93	6359	961.9096115	ppb		97
30) 2,4-Dichlorophenol	4.045	162	3374	906.2632690	ppb		98
32) 1,2,4-Trichlorobenzene	4.104	180	4786	1015.7513152	ppb		92
34) Naphthalene	4.157	128	16810m	985.5431213	ppb		
35) 4-Chloroaniline	4.175	65	1501	912.0664575	ppb	#	88
36) Hexachloro-1,3-butadiene	4.222	225	2489	971.6089660	ppb		97
40) 4-Chloro-3-methylphenol	4.463	107	3435	911.5050154	ppb		94
41) 2-Methylnaphthalene	4.593	142	9991	973.4222268	ppb		99
42) 1-Methylnaphthalene	4.657	142	10035	1003.1618197	ppb		97
47) Hexachlorocyclopentadiene	4.693	237	1808	901.7104811	ppb		98
48) 2,4,6-Trichlorophenol	4.769	196	2025	896.9514026	ppb		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_04.D
Acq On : 31 Mar 2022 5:45 pm
Operator : 3545
Sample : STD SVMS 1K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 16:03:57 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:02:11 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

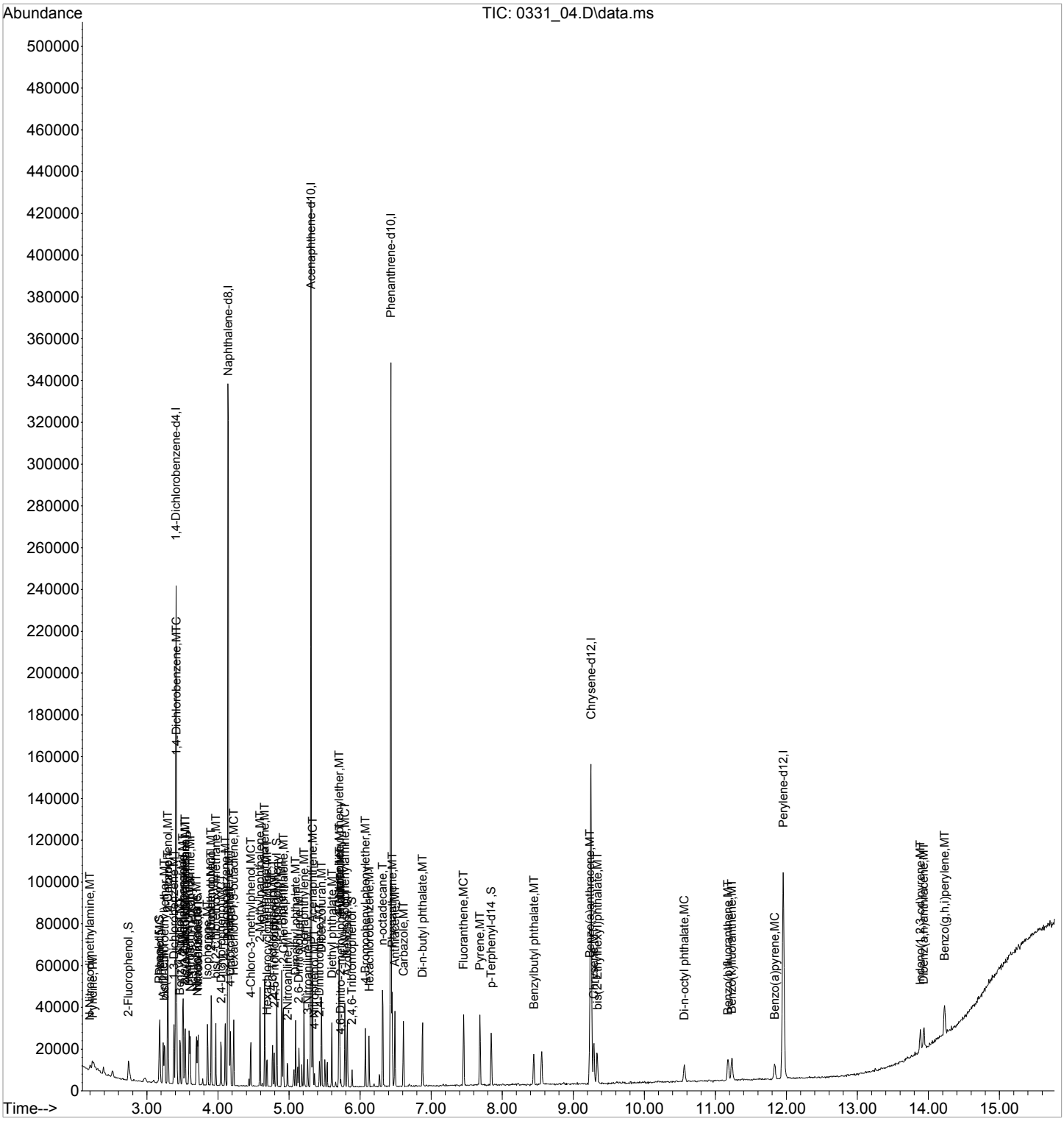
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	2,4,5-Trichlorophenol	4.793	196	1963	850.5173304	ppb		91
51)	Biphenyl	4.898	154	11839	968.2645048	ppb		98
52)	2-Chloronaphthalene	4.922	162	9292	1011.9321511	ppb		98
53)	2-Nitroaniline	4.981	138	1866	769.8225109	ppb	#	93
54)	Acenaphthylene	5.210	152	13458	962.9526656	ppb		99
55)	Dimethyl phthalate	5.092	163	9503	956.7755123	ppb		93
56)	2,6-Dinitrotoluene	5.140	165	1655	763.6081461	ppb		92
57)	3-Nitroaniline	5.263	138	1426	717.7969135	ppb		98
58)	Acenaphthene	5.334	153	9791	1025.5166899	ppb		99
60)	Dibenzofuran	5.457	168	12817	986.5464047	ppb	#	98
61)	2,4-Dinitrotoluene	5.428	165	1767	681.0093031	ppb	#	73
63)	4-Nitrophenol	5.357	139	902m	644.5700639	ppb		
64)	Fluorene	5.710	166	10290	969.6872468	ppb		98
65)	4-Chlorophenyl-phenyle...	5.704	204	4599	927.0569857	ppb		97
66)	Diethyl phthalate	5.604	149	9914	938.9461138	ppb		98
67)	4-Nitroaniline	5.710	138	1350	1129.6086293	ppb	#	26
68)	Azobenzene	5.822	77	9927	953.6061374	ppb		97
71)	4,6-Dinitro-2-methylph...	5.728	198	471m	535.7640762	ppb		
72)	N-Nitrosodiphenylamine	5.787	169	7540	933.3328472	ppb		98
74)	4-Bromophenyl-phenylether	6.075	248	2477	1001.8199448	ppb		98
75)	Hexachlorobenzene	6.128	284	3015	994.7736888	ppb		95
76)	n-octadecane	6.316	55	1765	890.0022714	ppb	#	72
78)	Phenanthrene	6.451	178	13916	956.6809370	ppb		99
79)	Anthracene	6.492	178	12234	935.1720946	ppb		99
80)	Carbazole	6.610	167	10150	920.4021822	ppb		98
81)	Di-n-butyl phthalate	6.881	149	13780	872.5812197	ppb		99
83)	Fluoranthene	7.457	202	12239	921.2610703	ppb		99
86)	Pyrene	7.686	202	12779	956.9026432	ppb		99
88)	Benzylbutyl phthalate	8.445	149	3894	816.5523448	ppb		98
90)	Benzo(a)anthracene	9.233	228	8944	973.9225740	ppb		98
91)	Chrysene	9.292	228	10158	1003.0718203	ppb		98
92)	bis(2-Ethylhexyl)phtha...	9.339	149	5877	866.1250077	ppb		97
93)	Di-n-octyl phthalate	10.563	149	7493	775.1486260	ppb		98
95)	Benzo(b)fluoranthene	11.174	252	8017	933.1712569	ppb		97
96)	Benzo(k)fluoranthene	11.233	252	7909	891.1685866	ppb		97
97)	Benzo(a)pyrene	11.833	252	5772	843.0478053	ppb		99
98)	Indeno(1,2,3-cd)pyrene	13.886	276	5564	868.6523357	ppb		93
99)	Dibenz(a,h)anthracene	13.933	278	6652	939.8770333	ppb		97
100)	Benzo(g,h,i)perylene	14.227	276	7392	967.8372314	ppb		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_04.D
Acq On : 31 Mar 2022 5:45 pm
Operator : 3545
Sample : STD SVMS 1K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 4 Sample Multiplier: 1

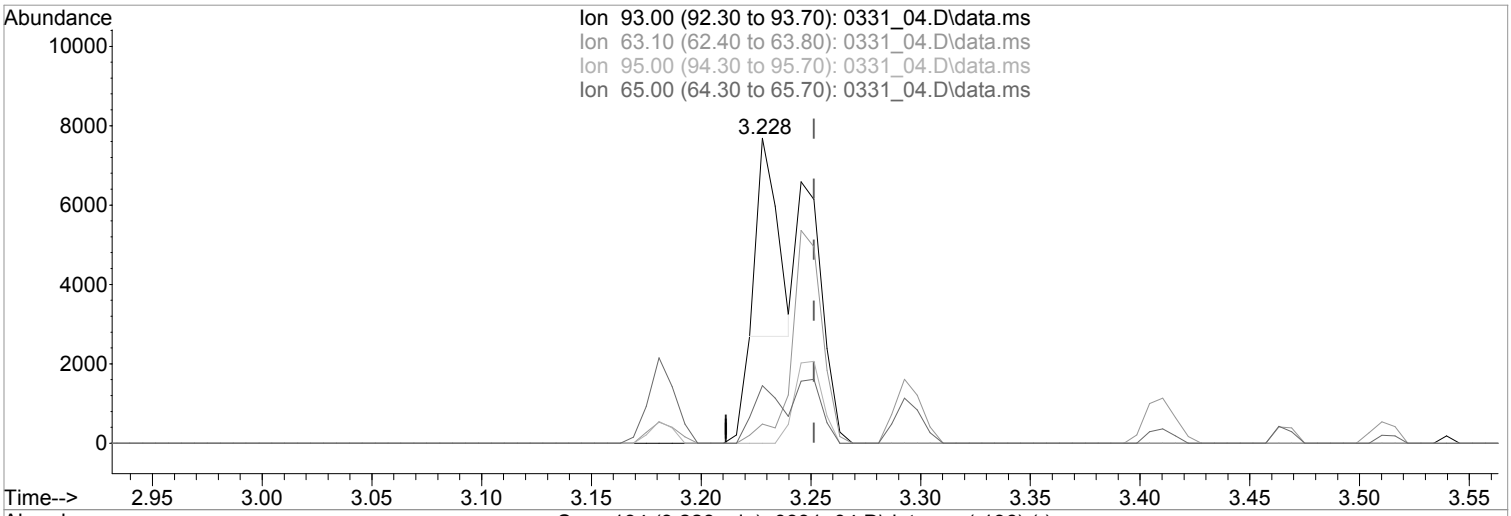
Quant Time: Apr 04 16:03:57 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:02:11 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

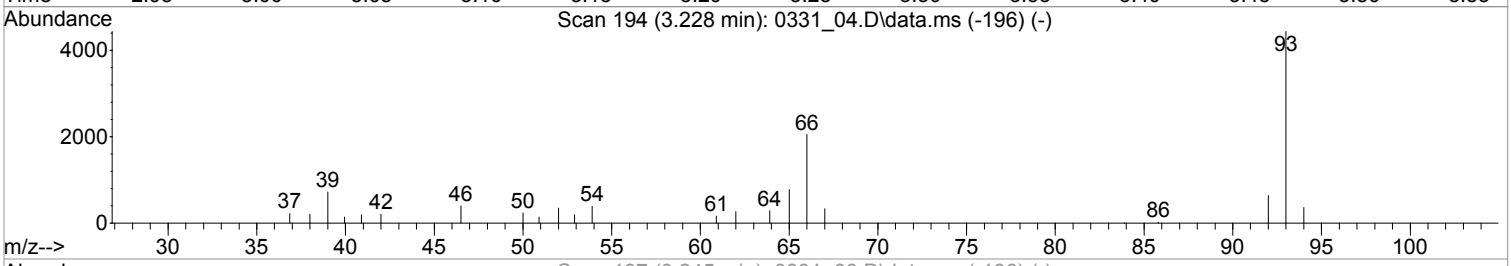


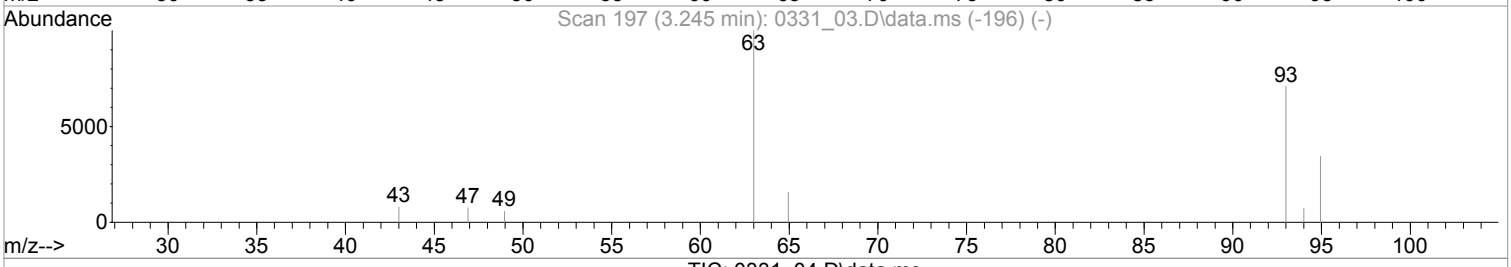
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_04.D
Acq On : 31 Mar 2022 5:45 pm
Operator : 3545
Sample : STD SVMS 1K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 16:02:19 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:02:11 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_04.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.228min (-0.023) 555.9686915 ppb

Qvalue = 36

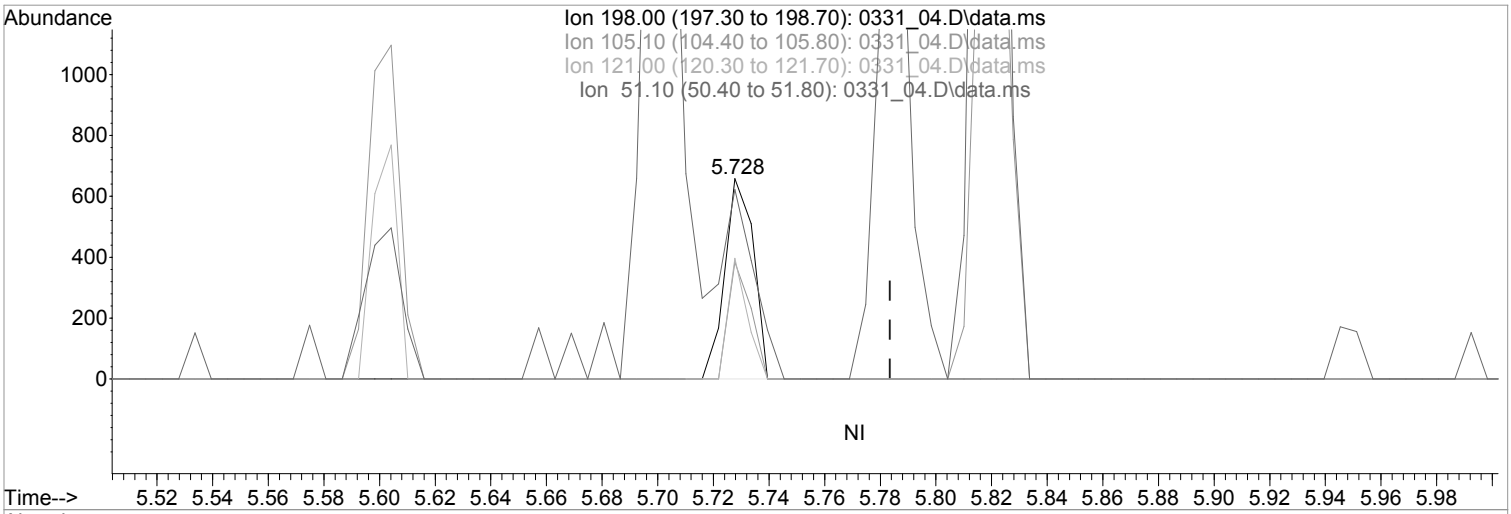
response 3114

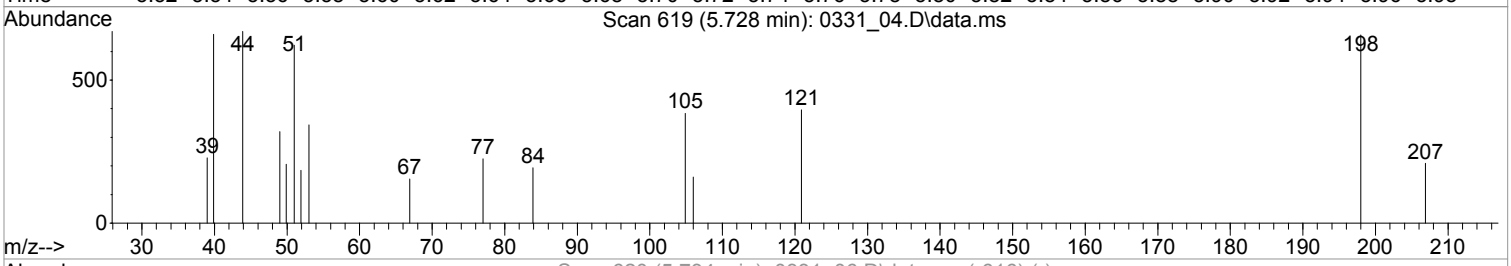
Ion	Exp%	Act%
93.00	100	100
63.10	76.00	5.69#
95.00	31.90	0.00#
65.00	23.10	15.98

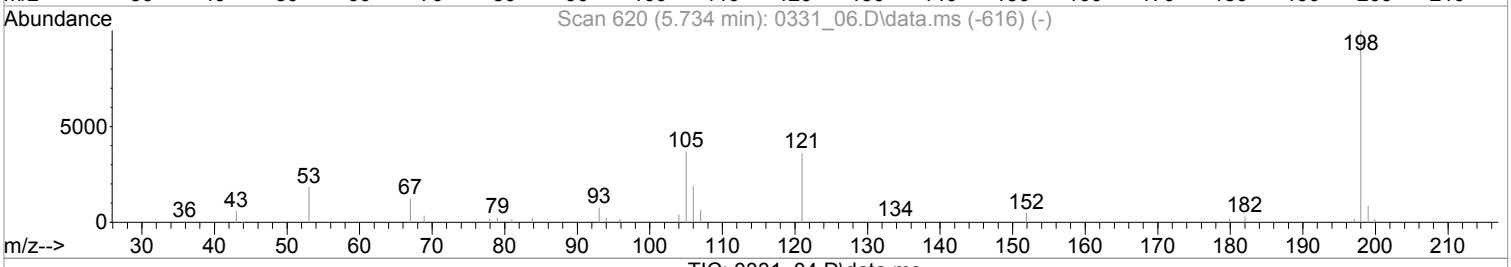
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_04.D
Acq On : 31 Mar 2022 5:45 pm
Operator : 3545
Sample : STD SVMS 1K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 16:02:19 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:02:11 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_04.D\data.ms

(71) 4,6-Dinitro-2-methylphenol (MT)

5.728min (-0.006) 535.7640762 ppb m

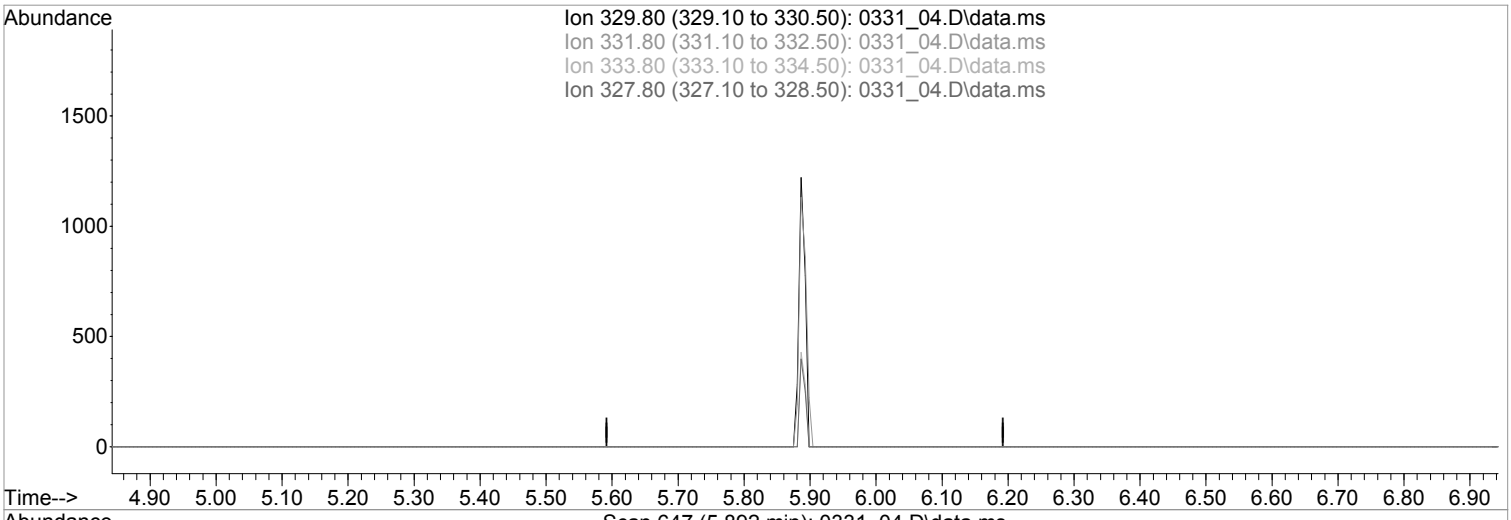
response 471

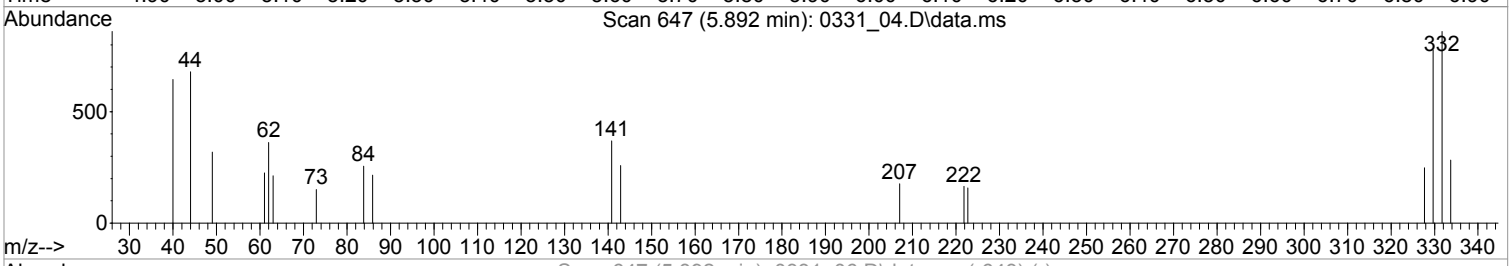
Ion	Exp%	Act%
198.00	100	100
105.10	38.30	58.36#
121.00	35.90	60.18#
51.10	39.60	94.53#

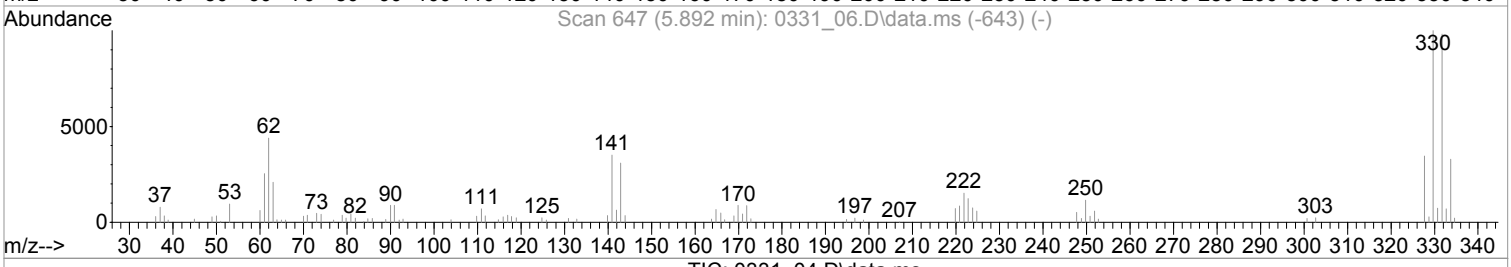
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_04.D
Acq On : 31 Mar 2022 5:45 pm
Operator : 3545
Sample : STD SVMS 1K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 16:02:19 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:02:11 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_04.D\data.ms

(73) 2,4,6-Tribromophenol (S)

5.892min (-5.892) 0.0000000 ppb

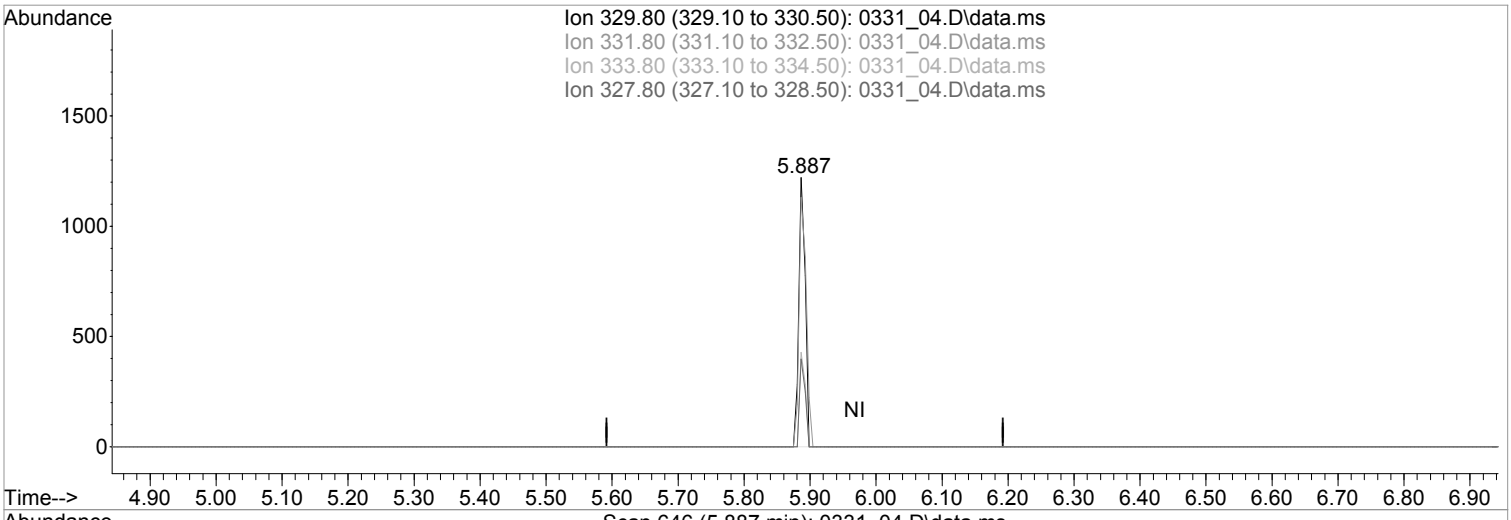
Qvalue = 0

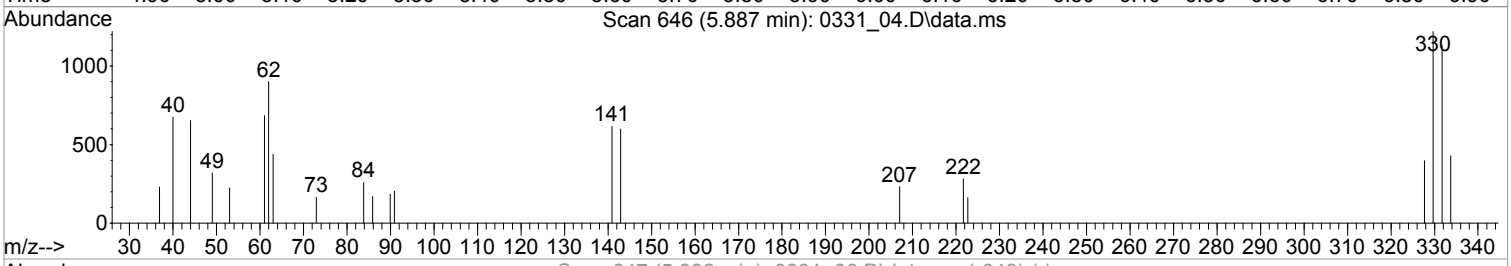
response 0

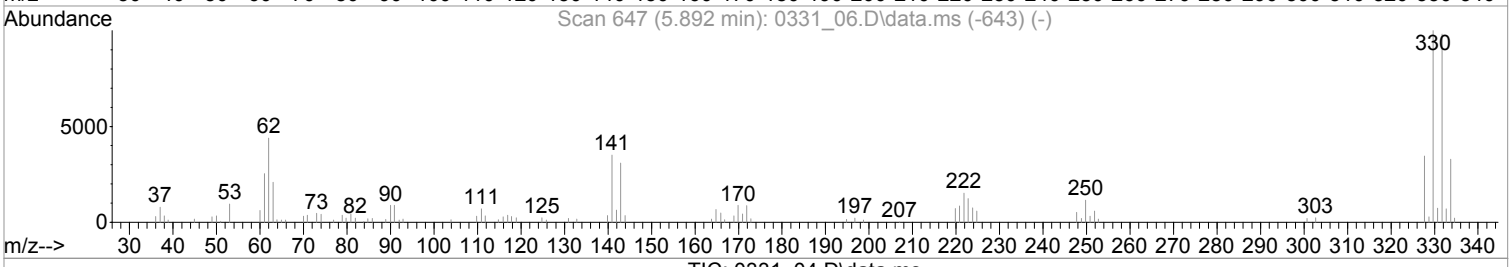
Ion	Exp%	Act%
329.80	100	0.00
331.80	98.20	0.00#
333.80	33.00	0.00#
327.80	34.60	0.00#

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_04.D
Acq On : 31 Mar 2022 5:45 pm
Operator : 3545
Sample : STD SVMS 1K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 16:02:19 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:02:11 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_04.D\data.ms

(73) 2,4,6-Tribromophenol (S)

5.887min (-0.006) 762.4927132 ppb m

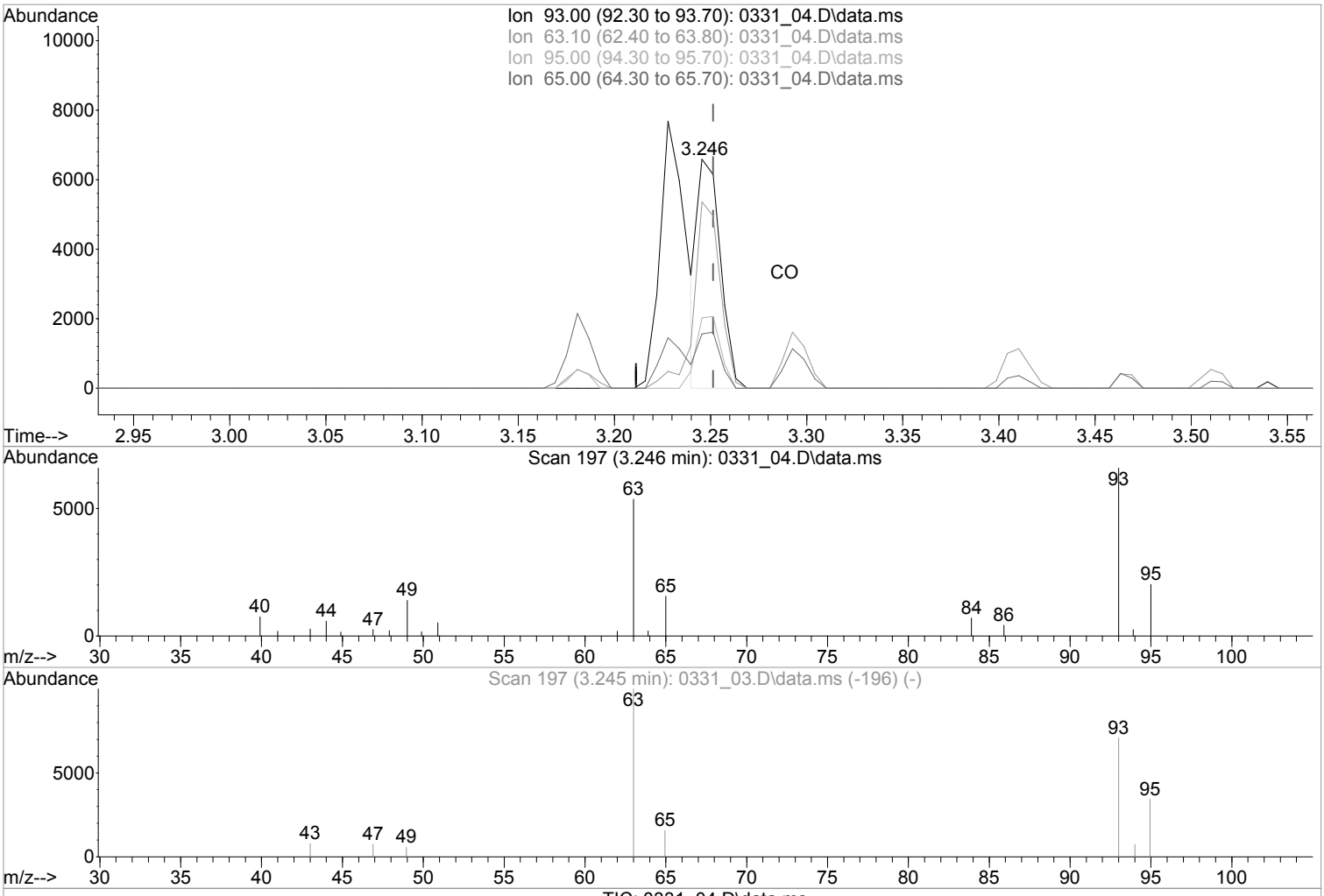
response 805

Ion	Exp%	Act%
329.80	100	100
331.80	98.20	92.62
333.80	33.00	35.08
327.80	34.60	32.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_04.D
Acq On : 31 Mar 2022 5:45 pm
Operator : 3545
Sample : STD SVMS 1K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 16:02:19 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:02:11 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_04.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

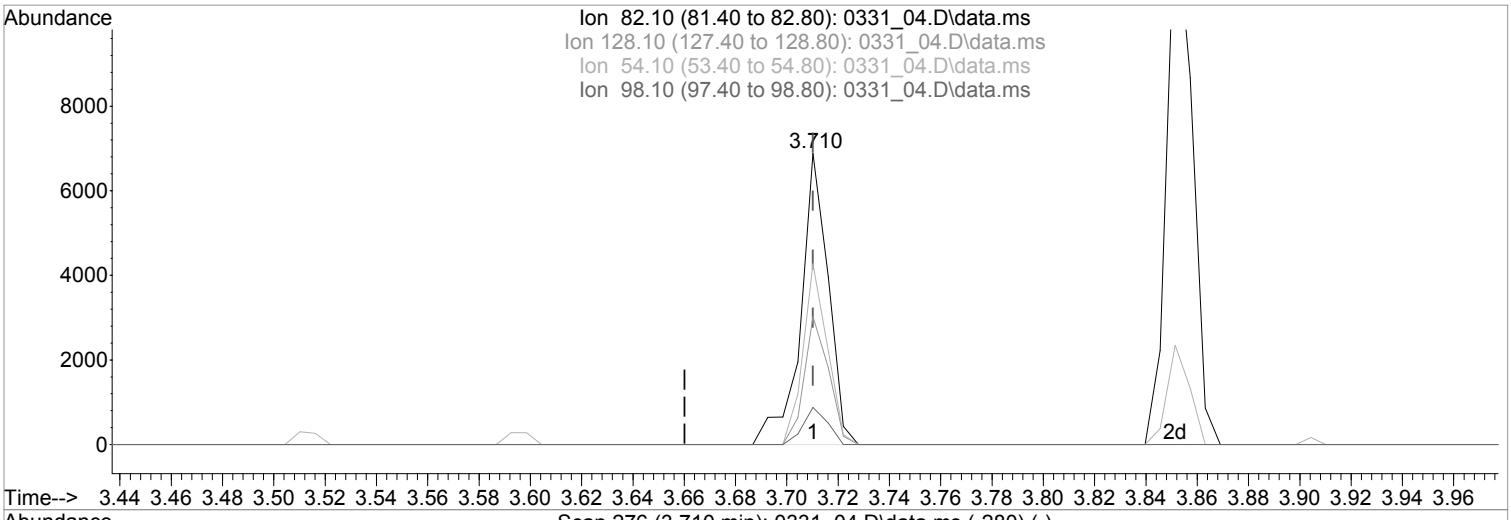
3.246min (-0.006) 969.2851721 ppb m

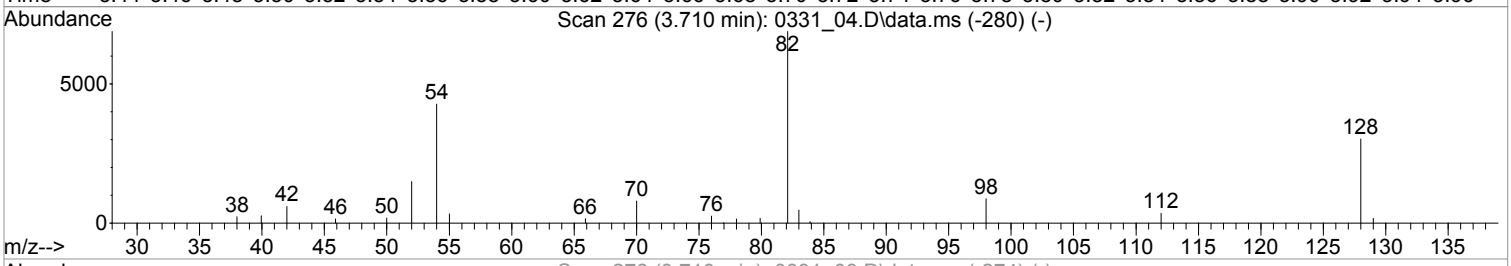
response 5429

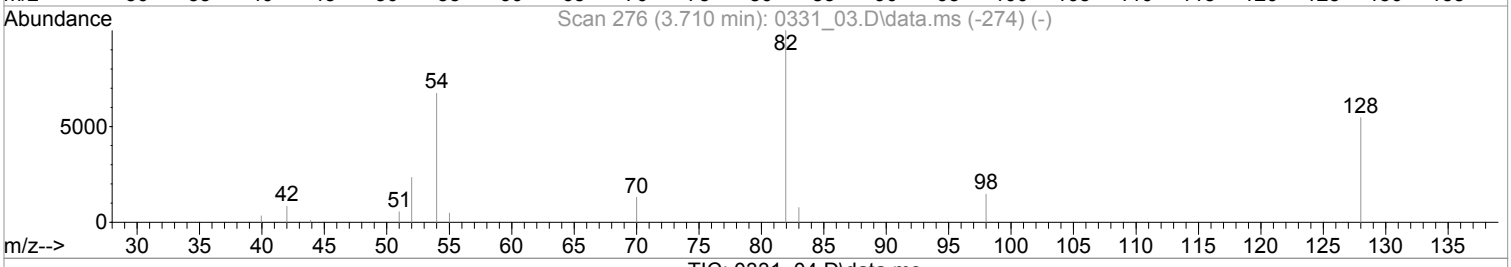
Ion	Exp%	Act%
93.00	100	100
63.10	76.00	81.46
95.00	31.90	30.67
65.00	23.10	23.69

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_04.D
Acq On : 31 Mar 2022 5:45 pm
Operator : 3545
Sample : STD SVMS 1K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 16:02:19 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:02:11 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_04.D\data.ms

(24) Nitrobenzene-d5 (S)

3.710min (+0.000) 1046.2030654 ppb

Qvalue = 97

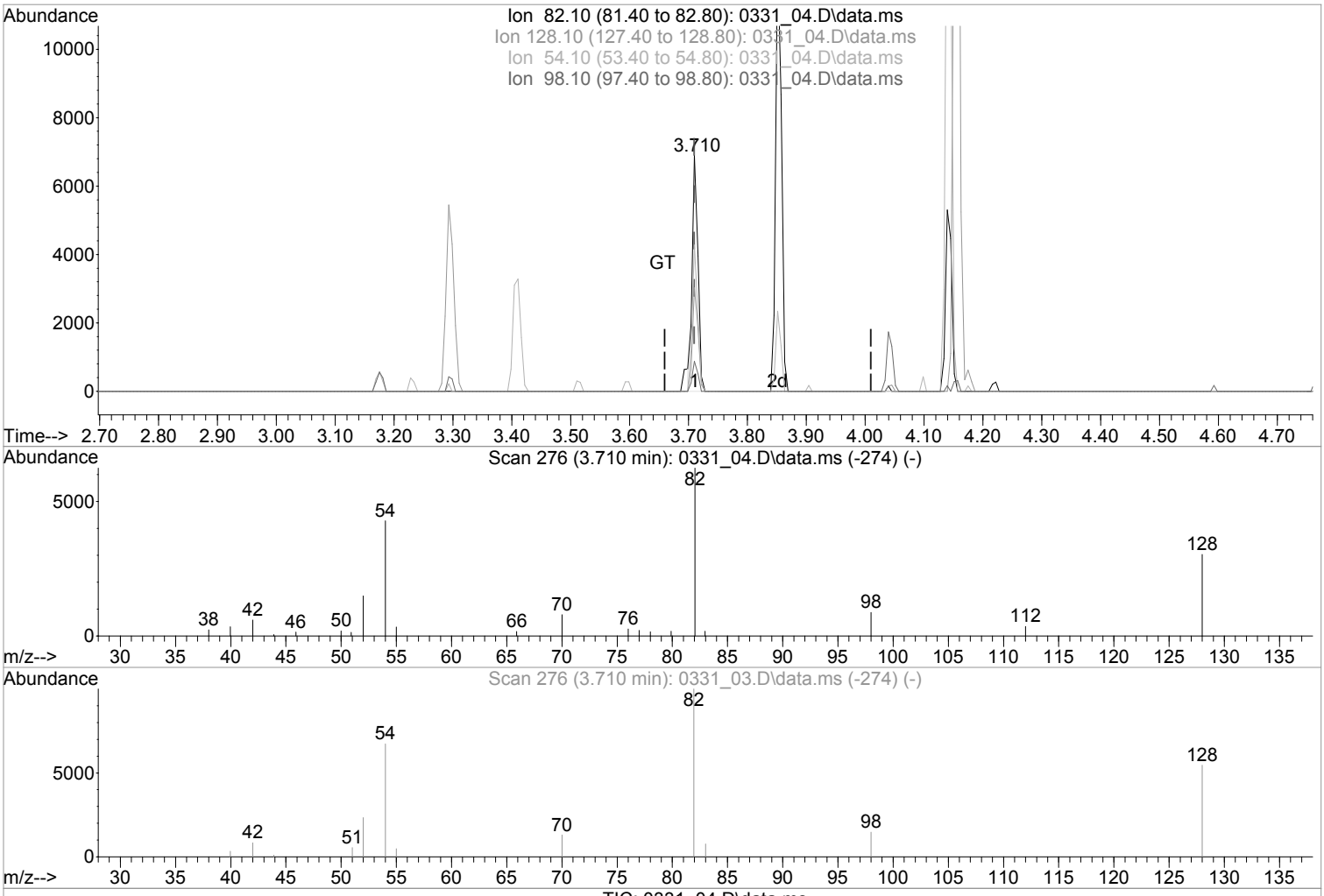
response 5125

Ion	Exp%	Act%
82.10	100	100
128.10	46.80	43.96
54.10	60.00	62.09
98.10	11.40	12.73

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_04.D
Acq On : 31 Mar 2022 5:45 pm
Operator : 3545
Sample : STD SVMS 1K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 16:02:19 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:02:11 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_04.D\data.ms

(24) Nitrobenzene-d5 (S)

3.710min (+0.000) 952.9123725 ppb m

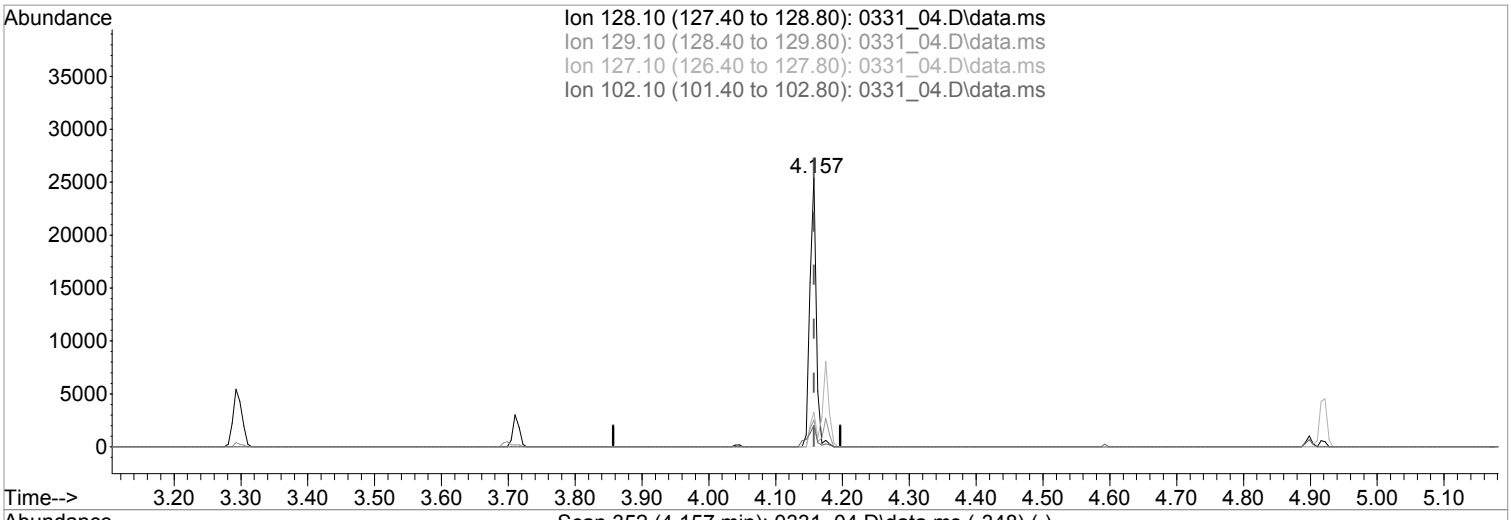
response 4668

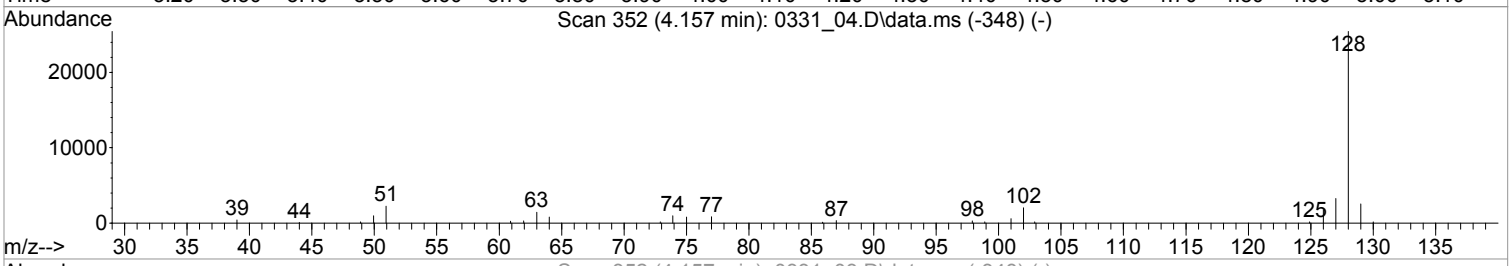
Ion	Exp%	Act%
82.10	100	100
128.10	46.80	43.96
54.10	60.00	62.09
98.10	11.40	12.73

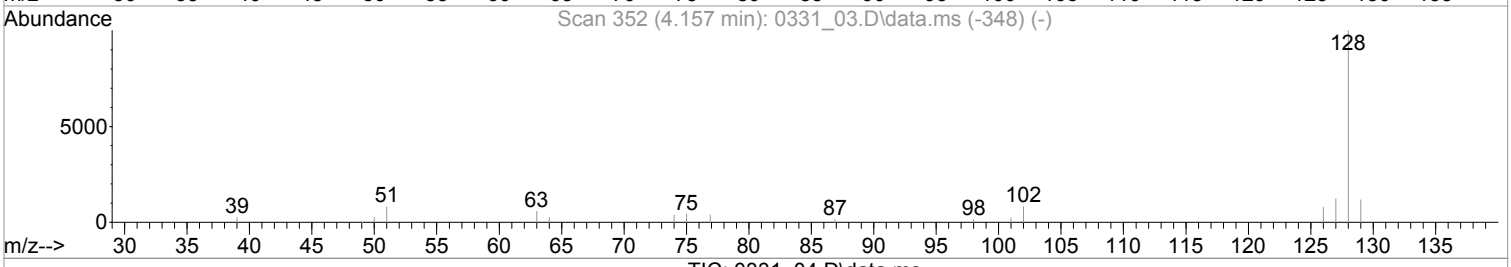
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_04.D
Acq On : 31 Mar 2022 5:45 pm
Operator : 3545
Sample : STD SVMS 1K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 16:02:19 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:02:11 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_04.D\data.ms

(34) Naphthalene (MT)

4.157min (+0.000) 1004.1869471 ppb

Qvalue = 99

response 17128

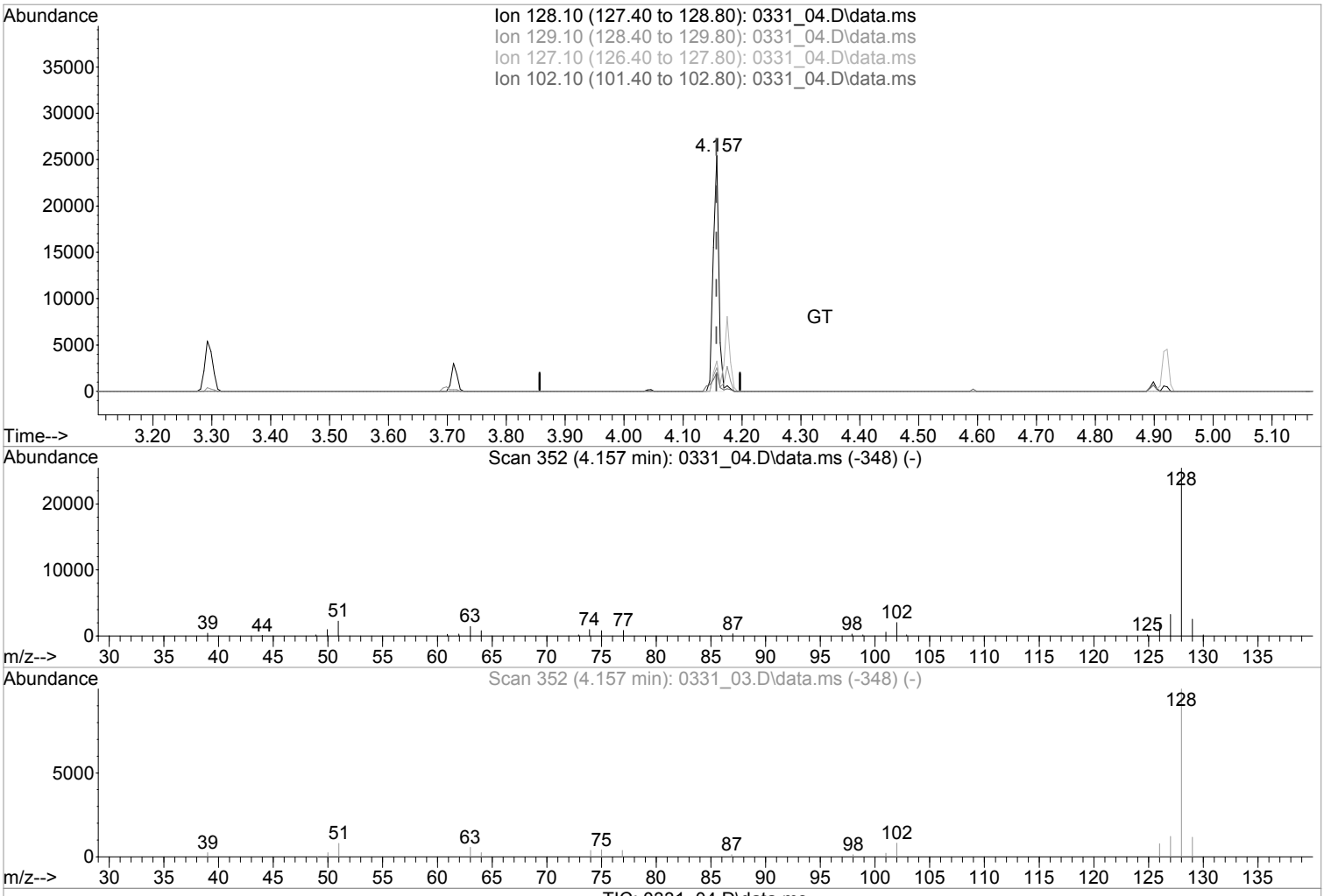
Ion	Exp%	Act%
128.10	100	100
129.10	10.90	9.95
127.10	12.80	12.89
102.10	8.30	7.98

ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
Pace Analytical - Minnesota	10606395	L1488161	05/13/22 16:05	212 of 390

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_04.D
Acq On : 31 Mar 2022 5:45 pm
Operator : 3545
Sample : STD SVMS 1K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 16:02:19 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:02:11 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_04.D\data.ms

(34) Naphthalene (MT)

4.157min (+0.000) 985.5431213 ppb m

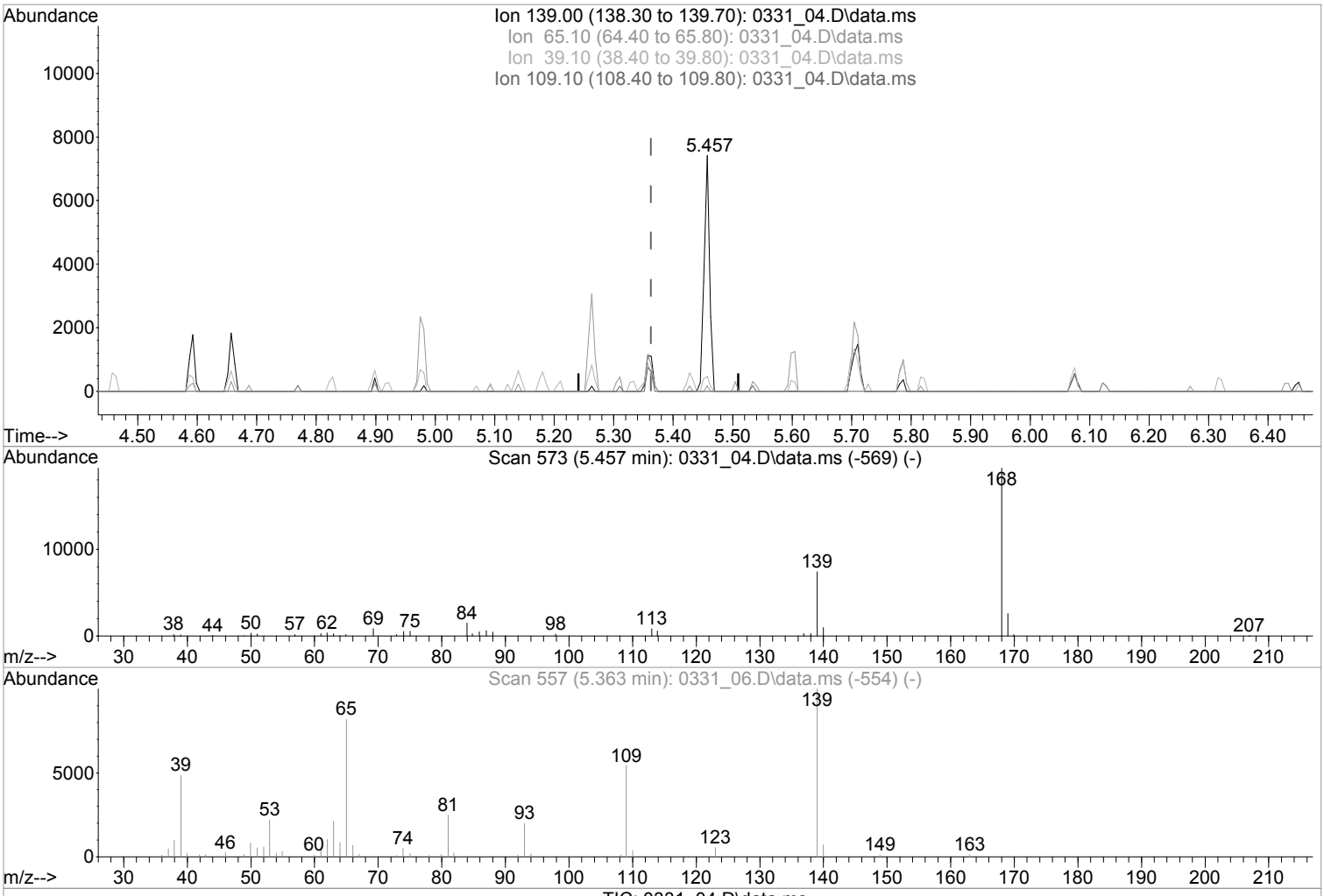
response 16810

Ion	Exp%	Act%
128.10	100	100
129.10	10.90	9.95
127.10	12.80	12.89
102.10	8.30	7.98

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_04.D
Acq On : 31 Mar 2022 5:45 pm
Operator : 3545
Sample : STD SVMS 1K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 16:02:19 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:02:11 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_04.D\data.ms

(63) 4-Nitrophenol (MPT)

5.457min (+0.094) 3396.4983522 ppb

Qvalue = 22

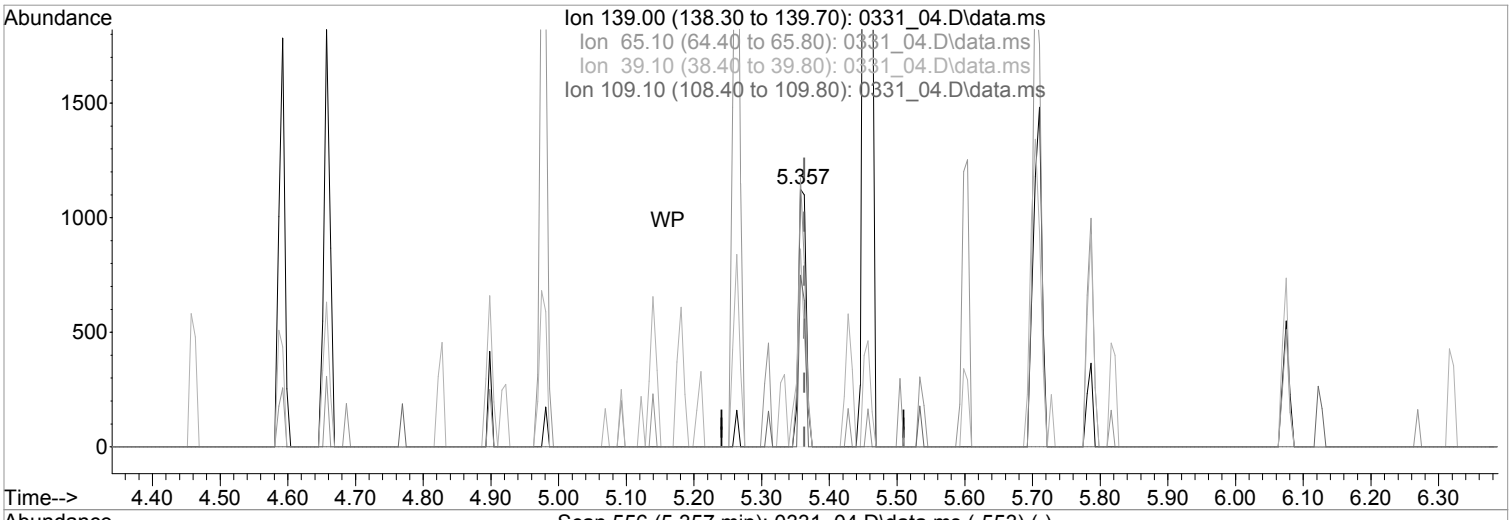
response 4753

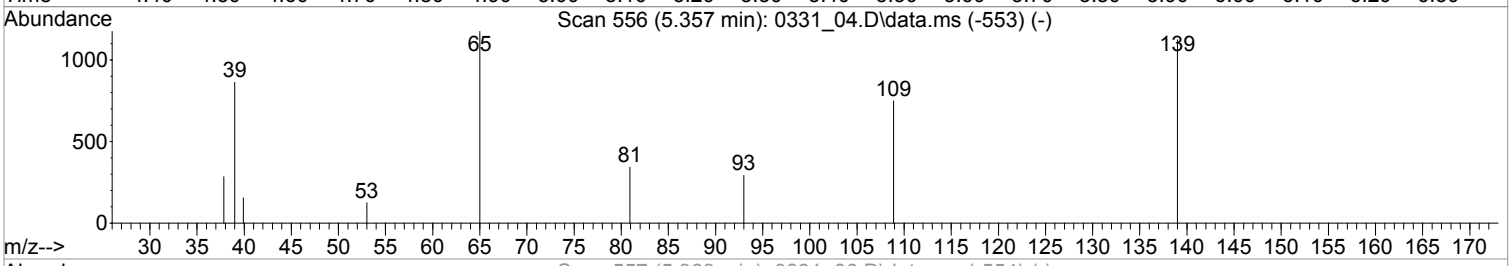
Ion	Exp%	Act%
139.00	100	100
65.10	82.10	2.23#
39.10	50.10	6.25#
109.10	54.20	0.00#

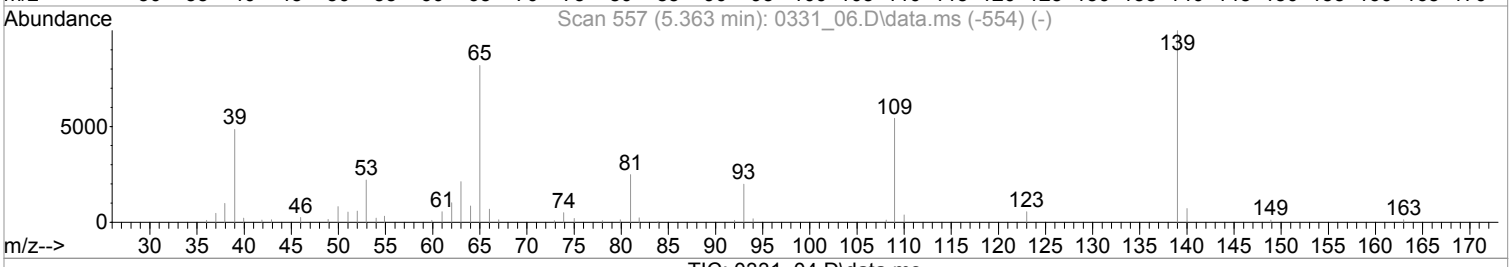
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_04.D
Acq On : 31 Mar 2022 5:45 pm
Operator : 3545
Sample : STD SVMS 1K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 16:02:19 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:02:11 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_04.D\data.ms

(63) 4-Nitrophenol (MPT)

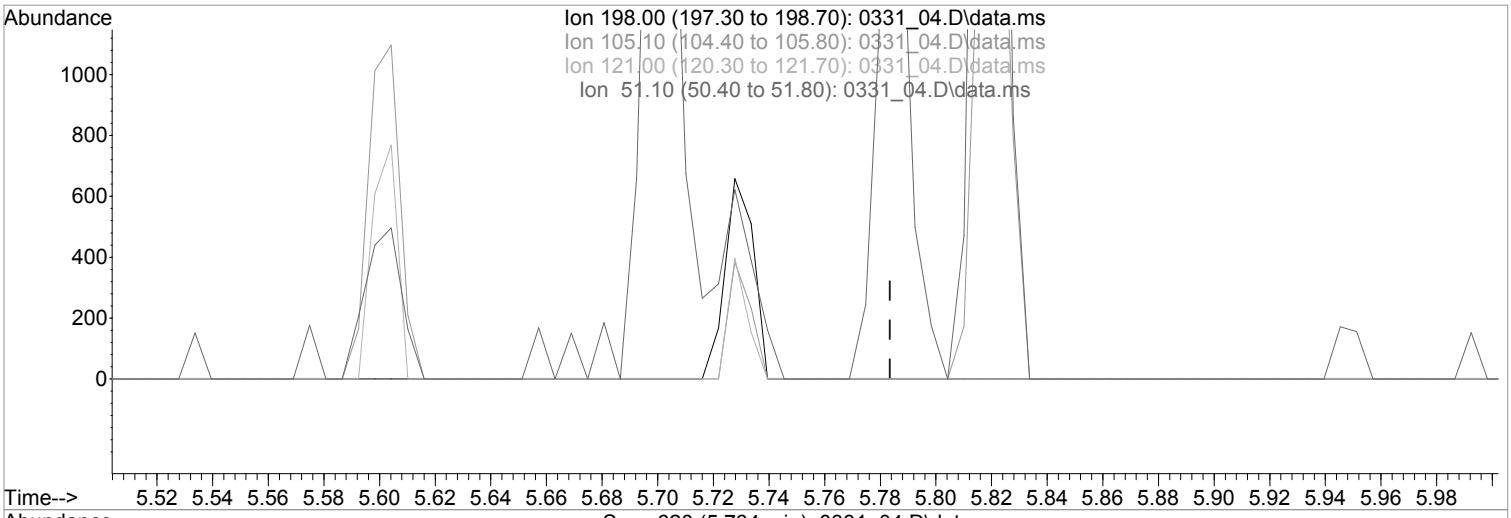
5.357min (-0.006) 644.5700639 ppb m

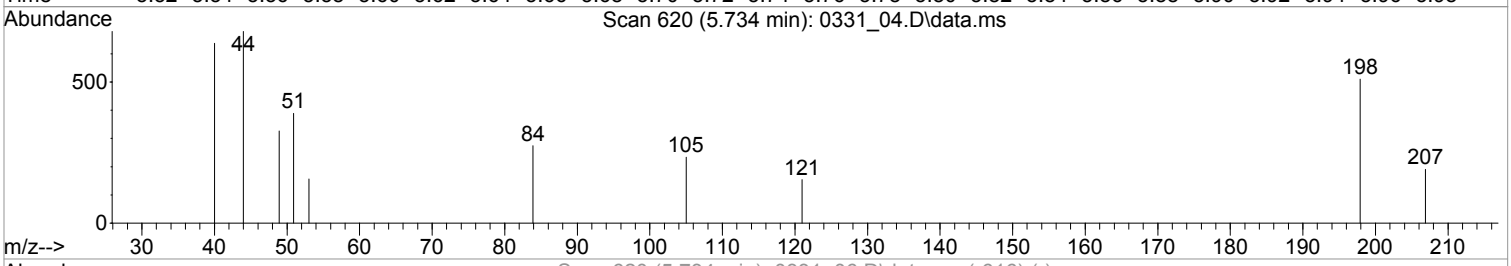
response 902

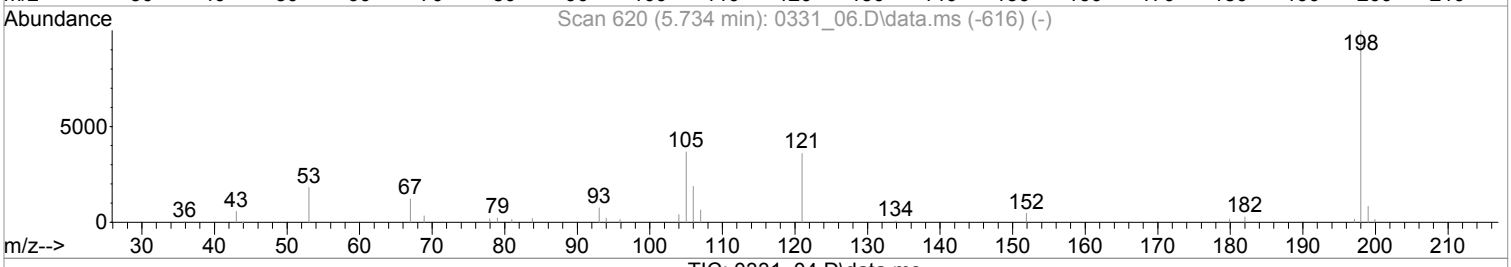
Ion	Exp%	Act%
139.00	100	100
65.10	82.10	104.45#
39.10	50.10	76.78#
109.10	54.20	66.64

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_04.D
Acq On : 31 Mar 2022 5:45 pm
Operator : 3545
Sample : STD SVMS 1K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 16:02:19 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:02:11 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_04.D\data.ms

(71) 4,6-Dinitro-2-methylphenol (MT)

5.734min (-5.734) 0.0000000 ppb

Qvalue = 0

response 0

Ion	Exp%	Act%
198.00	100	0.00
105.10	38.30	0.00#
121.00	35.90	0.00#
51.10	39.60	0.00#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_05.D
Acq On : 31 Mar 2022 6:07 pm
Operator : 3545
Sample : STD SVMS 4K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 16:04:56 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:04:13 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.410	152	32931	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.140	136	134192	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.310	164	68434	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.434	188	110035	8000.0000000	ppb	0.00
84) Chrysene-d12	9.251	240	75687	8000.0000000	ppb	0.00
94) Perylene-d12	11.957	264	68115	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.740	112	20022	3891.5864703	ppb	0.00
Spiked Amount 20000.000			Recovery = 19.46%			
7) Phenol-d5	3.175	99	23979	3964.4247535	ppb	0.00
Spiked Amount 20000.000			Recovery = 19.82%			
24) Nitrobenzene-d5	3.710	82	18889m	3716.0923649	ppb	0.00
Spiked Amount 10000.000			Recovery = 37.16%			
50) 2-Fluorobiphenyl	4.828	172	43311	3761.7107736	ppb	0.00
Spiked Amount 10000.000			Recovery = 37.62%			
73) 2,4,6-Tribromophenol	5.887	330	4029	4030.7044309	ppb	0.00
Spiked Amount 20000.000			Recovery = 20.15%			
87) p-Terphenyl-d14	7.845	244	41873	3888.8628771	ppb	0.00
Spiked Amount 10000.000			Recovery = 38.89%			
Target Compounds						Qvalue
2) Pyridine	2.216	79	21534	3938.4403708	ppb	94
3) N-Nitrosodimethylamine	2.199	42	11264	3472.0697452	ppb	95
5) Aniline	3.228	66	11366	4105.7800811	ppb	98
6) bis(2-Chloroethyl)ether	3.246	93	21863m	3862.9262686	ppb	
8) Phenol	3.181	94	25852	4025.6057139	ppb	98
10) 2-Chlorophenol	3.293	128	21155	4004.6431903	ppb	98
11) n-Decane	3.293	41	14144	3818.9599168	ppb #	99
12) 1,3-Dichlorobenzene	3.381	146	25164	3907.4447803	ppb	98
13) 1,4-Dichlorobenzene	3.416	146	24933	3887.4438033	ppb	94
14) Benzyl Alcohol	3.463	79	14813	3865.4913504	ppb	98
15) 1,2-Dichlorobenzene	3.504	146	23998	3815.1262164	ppb	98
16) bis(2-Chloroisopropyl)...	3.540	121	8233	3868.6994504	ppb	96
17) 2,2-oxybis(1-chloropro...	3.540	121	8233	3868.6994504	ppb	96
18) 2-Methylphenol	3.510	108	19393	4098.2322025	ppb	93
19) Hexachloroethane	3.699	117	10345	3916.9383750	ppb	97
20) N-Nitrosodi-n-propylamine	3.610	70	13250	3986.8930302	ppb	99
21) 3&4-Methyl phenol	3.593	107	20590	3899.2085753	ppb	99
25) Nitrobenzene	3.722	77	19872	3920.2115447	ppb	99
26) Isophorone	3.851	82	37595	3862.4180344	ppb	99
27) 2-Nitrophenol	3.904	139	8158	3765.4491378	ppb	97
28) 2,4-Dimethylphenol	3.904	107	19338	3914.0923671	ppb	99
29) bis(2-Chlorethoxy)methane	3.969	93	26704	3881.1098229	ppb	99
30) 2,4-Dichlorophenol	4.046	162	14915	3922.8669546	ppb	97
32) 1,2,4-Trichlorobenzene	4.104	180	18671	3739.3208108	ppb	99
34) Naphthalene	4.157	128	66762	3730.9538948	ppb	99
35) 4-Chloroaniline	4.175	65	6627	3995.5309124	ppb	99
36) Hexachloro-1,3-butadiene	4.222	225	10146	3792.9384009	ppb	97
40) 4-Chloro-3-methylphenol	4.463	107	14789	3835.8318603	ppb	97
41) 2-Methylnaphthalene	4.593	142	41264	3847.8046515	ppb	99
42) 1-Methylnaphthalene	4.657	142	40069	3795.6779953	ppb	99
47) Hexachlorocyclopentadiene	4.693	237	8420	4086.1645114	ppb	98
48) 2,4,6-Trichlorophenol	4.769	196	9486	4095.1983274	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_05.D
Acq On : 31 Mar 2022 6:07 pm
Operator : 3545
Sample : STD SVMS 4K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 16:04:56 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:04:13 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

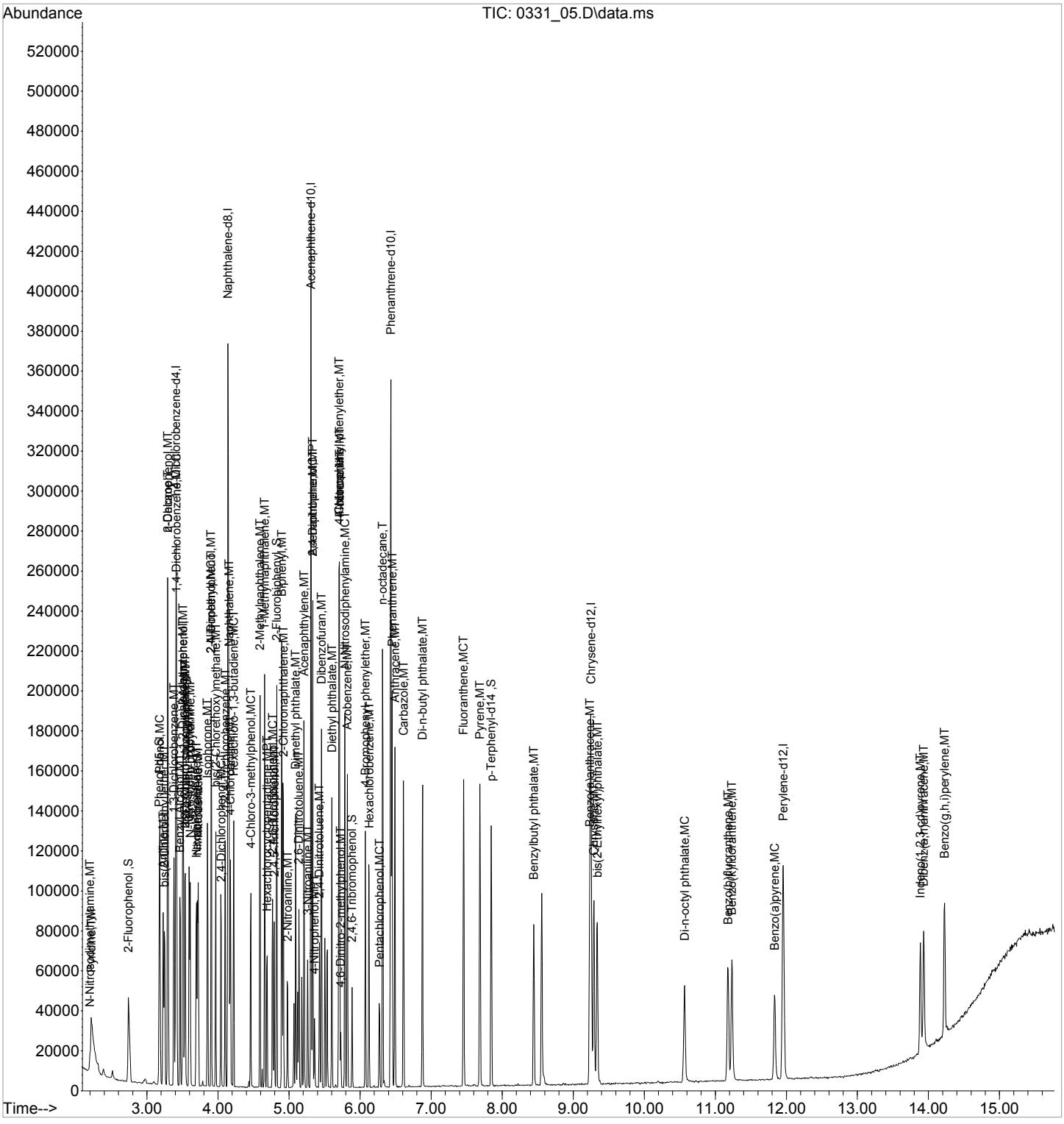
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
49)	2,4,5-Trichlorophenol	4.793	196	9443	4052.6426870 ppb		98
51)	Biphenyl	4.898	154	48637	3783.8360827 ppb		99
52)	2-Chloronaphthalene	4.922	162	38216	3901.4979240 ppb		99
53)	2-Nitroaniline	4.981	138	8468	3715.5917121 ppb		98
54)	Acenaphthylene	5.210	152	57104	3893.6362427 ppb		99
55)	Dimethyl phthalate	5.093	163	41358	3976.3045598 ppb		94
56)	2,6-Dinitrotoluene	5.140	165	8241	4058.3383916 ppb		93
57)	3-Nitroaniline	5.263	138	7203	3973.0272299 ppb		97
58)	Acenaphthene	5.334	153	39005	3812.6378437 ppb		99
59)	2,4-Dinitrophenol	5.334	184	1680	2974.9807456 ppb	#	1
60)	Dibenzofuran	5.457	168	52497	3820.1946803 ppb		99
61)	2,4-Dinitrotoluene	5.428	165	9165	3955.2754297 ppb	#	77
63)	4-Nitrophenol	5.357	139	4753	3887.5582689 ppb	#	79
64)	Fluorene	5.710	166	43283	3878.0382895 ppb		97
65)	4-Chlorophenyl-phenyle...	5.704	204	20472	3980.7165957 ppb		94
66)	Diethyl phthalate	5.604	149	43240	3934.3678190 ppb		99
67)	4-Nitroaniline	5.710	138	6586	4870.9541902 ppb		96
68)	Azobenzene	5.822	77	44023	4042.6599452 ppb		99
71)	4,6-Dinitro-2-methylph...	5.728	198	2707	3732.3952874 ppb	#	74
72)	N-Nitrosodiphenylamine	5.787	169	33745	3976.2689220 ppb		99
74)	4-Bromophenyl-phenylether	6.075	248	10458	3934.5051940 ppb		94
75)	Hexachlorobenzene	6.128	284	12174	3745.1457104 ppb		98
76)	n-octadecane	6.316	55	8008	3901.5281337 ppb	#	96
77)	Pentachlorophenol	6.275	266	4167	3264.5837369 ppb		98
78)	Phenanthrene	6.451	178	58086	3771.2225902 ppb		99
79)	Anthracene	6.492	178	54209	3942.0610534 ppb		99
80)	Carbazole	6.610	167	46540	4035.1322148 ppb		99
81)	Di-n-butyl phthalate	6.881	149	66469	4091.3433685 ppb		100
83)	Fluoranthene	7.457	202	54696	3935.3597347 ppb		100
86)	Pyrene	7.687	202	57163	3814.3474206 ppb		99
88)	Benzylbutyl phthalate	8.445	149	21276	4173.7997939 ppb		99
90)	Benzo(a)anthracene	9.233	228	40230	3881.3641678 ppb		98
91)	Chrysene	9.292	228	44552	3860.0833542 ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.339	149	31447	4260.6941032 ppb		98
93)	Di-n-octyl phthalate	10.569	149	41318	4058.3889660 ppb		98
95)	Benzo(b)fluoranthene	11.180	252	38068	4038.8782196 ppb		98
96)	Benzo(k)fluoranthene	11.233	252	40040	4172.0316530 ppb		99
97)	Benzo(a)pyrene	11.833	252	29980	4117.7691399 ppb		98
98)	Indeno(1,2,3-cd)pyrene	13.886	276	27978	4070.8609426 ppb		97
99)	Dibenz(a,h)anthracene	13.933	278	32250	4143.8879049 ppb		98
100)	Benzo(g,h,i)perylene	14.227	276	34820	4106.9338075 ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_05.D
Acq On : 31 Mar 2022 6:07 pm
Operator : 3545
Sample : STD SVMS 4K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 5 Sample Multiplier: 1

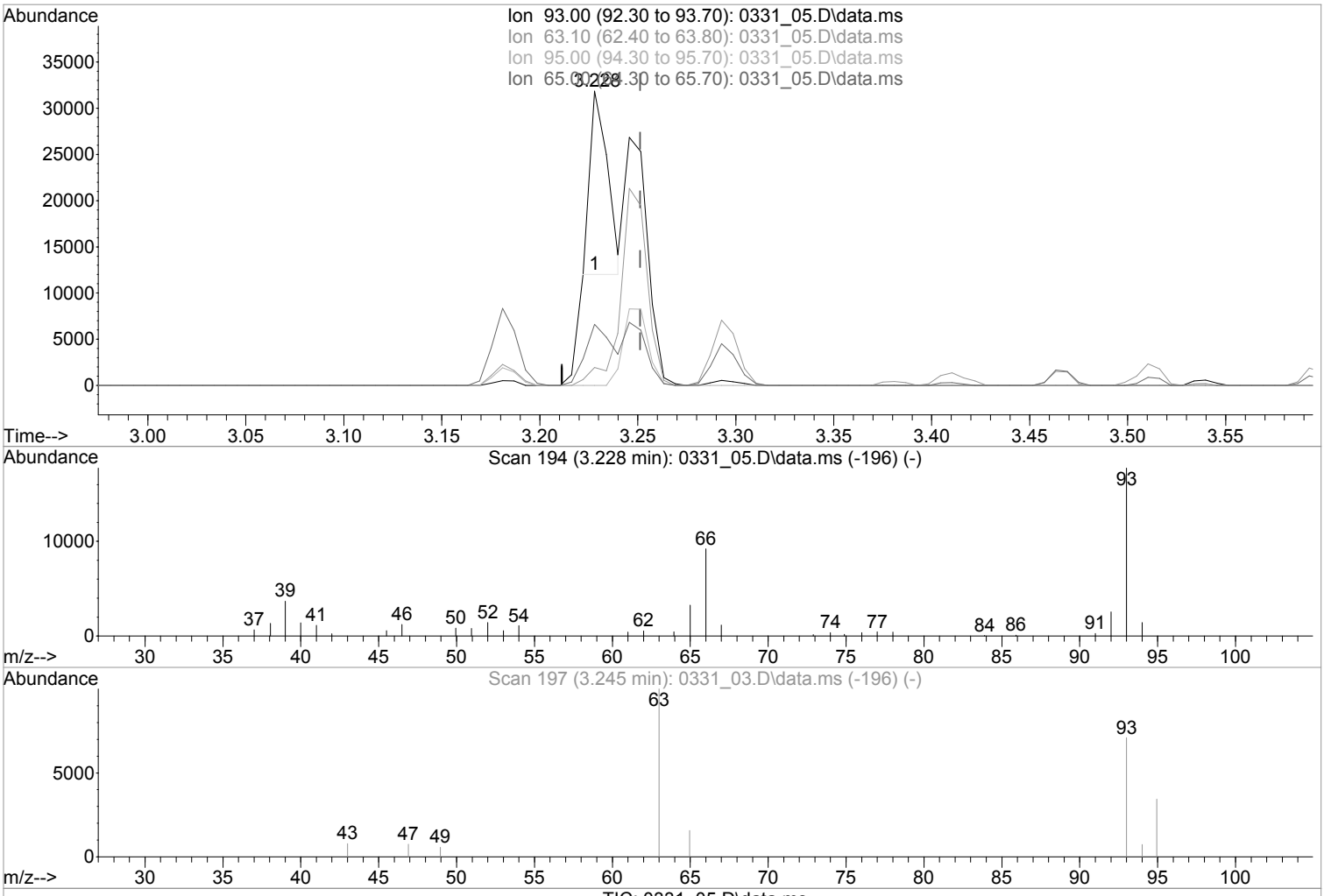
Quant Time: Apr 04 16:04:56 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:04:13 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_05.D
Acq On : 31 Mar 2022 6:07 pm
Operator : 3545
Sample : STD SVMS 4K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 16:04:18 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:04:13 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_05.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.228min (-0.023) 2176.4408259 ppb

Qvalue = 37

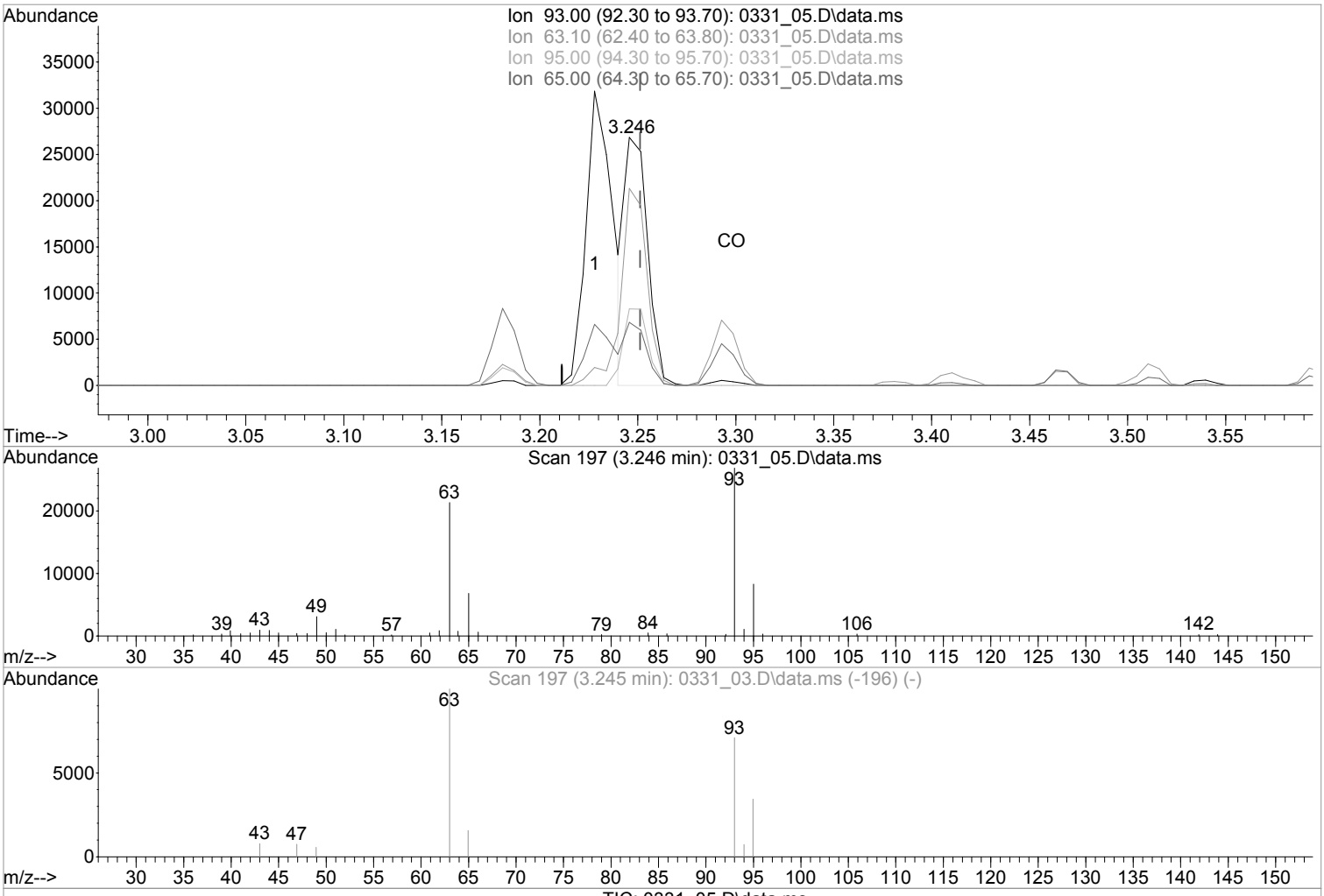
response 12318

Ion	Exp%	Act%
93.00	100	100
63.10	76.00	6.47#
95.00	31.90	0.00#
65.00	23.10	18.86

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_05.D
Acq On : 31 Mar 2022 6:07 pm
Operator : 3545
Sample : STD SVMS 4K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 16:04:18 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:04:13 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_05.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

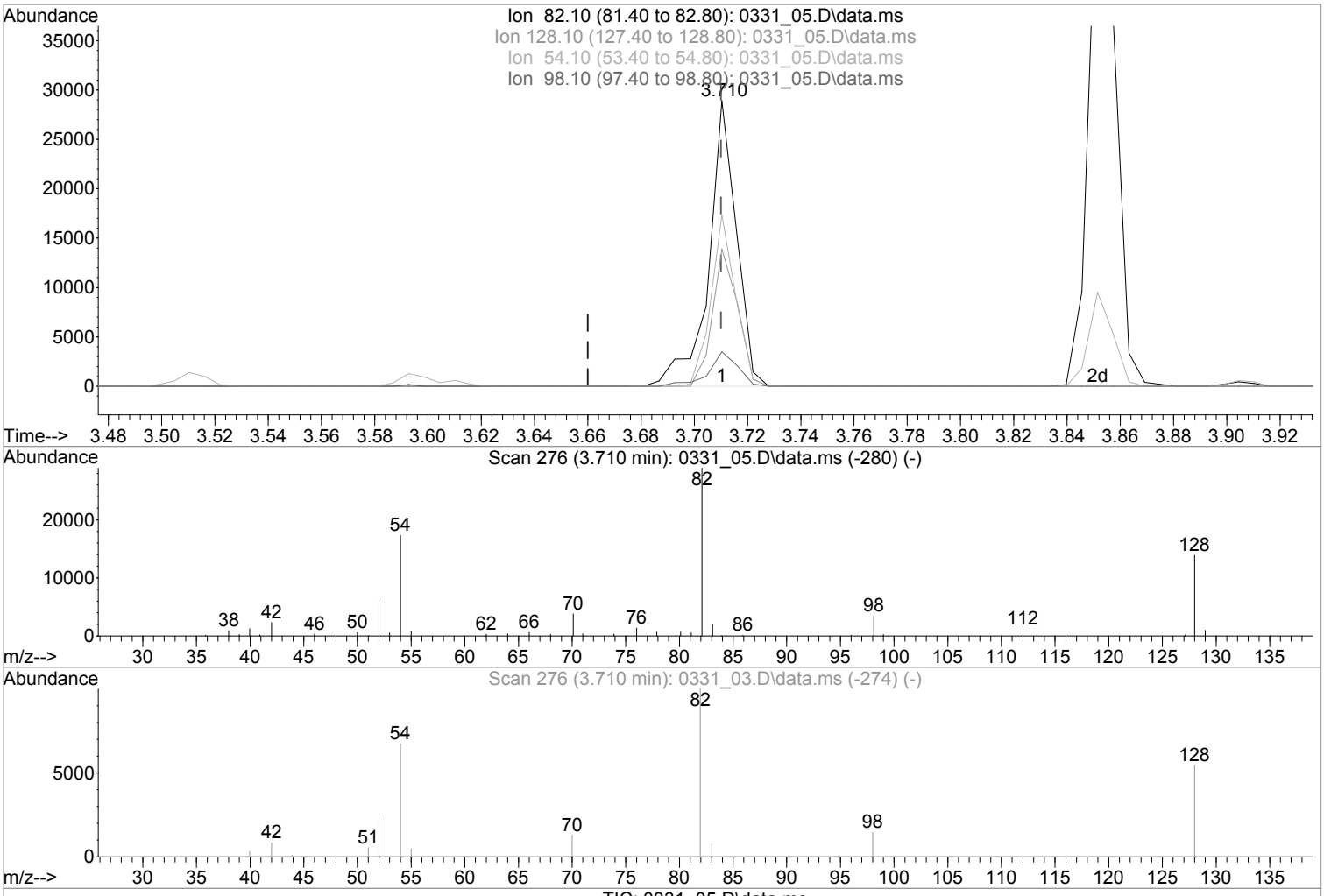
3.246min (-0.006) 3862.9262686 ppb m

response 21863

Ion	Exp%	Act%
93.00	100	100
63.10	76.00	79.43
95.00	31.90	30.91
65.00	23.10	25.46

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_05.D
Acq On : 31 Mar 2022 6:07 pm
Operator : 3545
Sample : STD SVMS 4K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 16:04:18 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:04:13 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_05.D\data.ms

(24) Nitrobenzene-d5 (S)

3.710min (+0.000) 4137.4947602 ppb

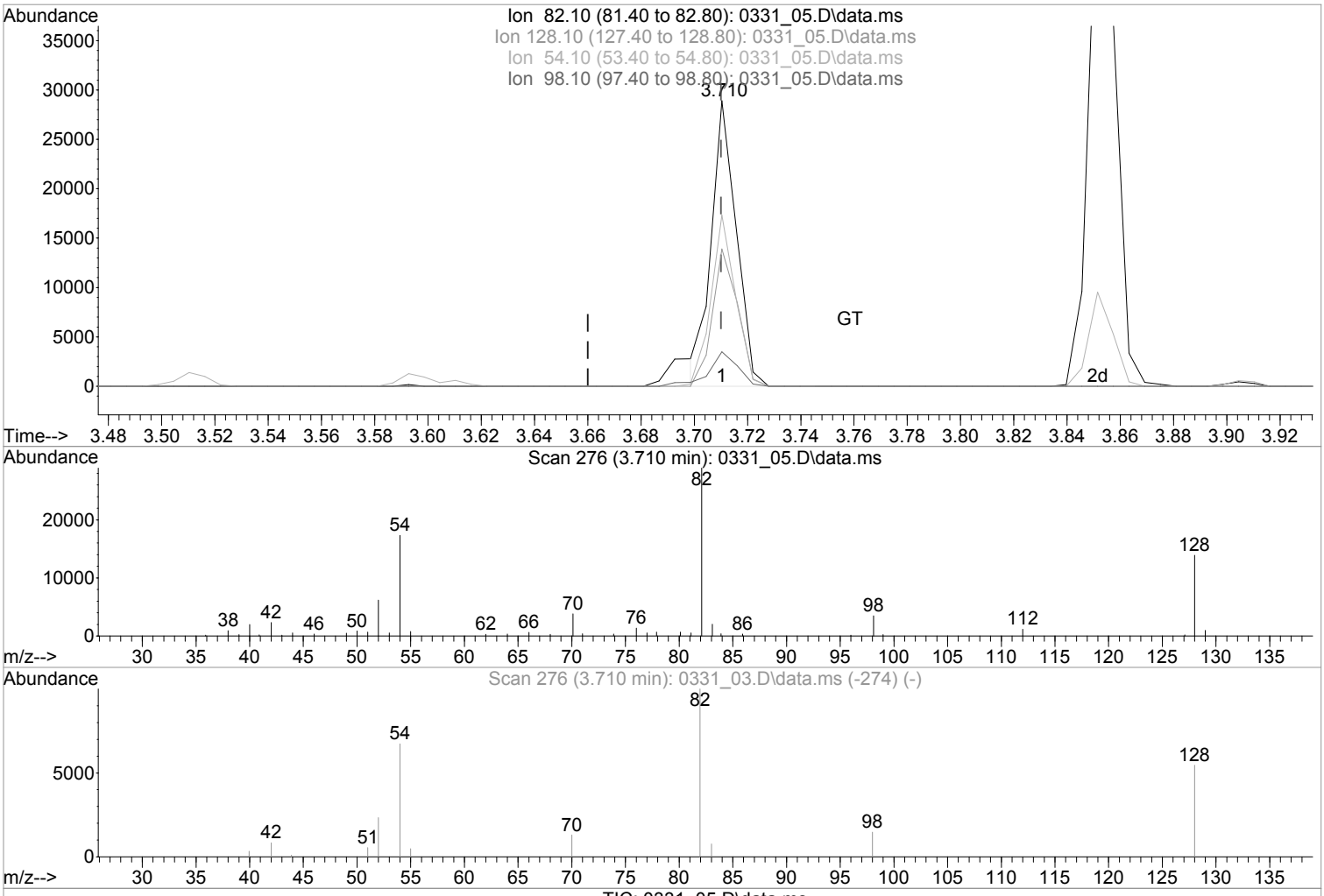
Qvalue = 99

response 21031

Ion	Exp%	Act%
82.10	100	100
128.10	46.80	48.14
54.10	60.00	60.01
98.10	11.40	12.09

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_05.D
Acq On : 31 Mar 2022 6:07 pm
Operator : 3545
Sample : STD SVMS 4K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 16:04:18 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:04:13 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_05.D\data.ms

(24) Nitrobenzene-d5 (S)

3.710min (+0.000) 3716.0923649 ppb m

response 18889

Ion	Exp%	Act%
82.10	100	100
128.10	46.80	48.14
54.10	60.00	60.01
98.10	11.40	12.09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_06.D
Acq On : 31 Mar 2022 6:28 pm
Operator : 3545
Sample : MSTD SVMS 10K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:57:16 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 15:56:28 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.410	152	31797	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.145	136	129715	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.310	164	67221	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.434	188	109300	8000.0000000	ppb		0.00
84) Chrysene-d12	9.251	240	79132	8000.0000000	ppb		0.00
94) Perylene-d12	11.957	264	68335	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.740	112	50347	10000.0000000	ppb		0.00
Spiked Amount 20000.000			Recovery = 50.00%				
7) Phenol-d5	3.175	99	59979	10000.0000000	ppb		0.00
Spiked Amount 20000.000			Recovery = 50.00%				
24) Nitrobenzene-d5	3.710	82	48718m	10000.0000000	ppb		0.00
Spiked Amount 10000.000			Recovery = 100.00%				
50) 2-Fluorobiphenyl	4.828	172	108502	10000.0000000	ppb		0.00
Spiked Amount 10000.000			Recovery = 100.00%				
73) 2,4,6-Tribromophenol	5.892	330	11267	10000.0000000	ppb		0.00
Spiked Amount 20000.000			Recovery = 50.00%				
87) p-Terphenyl-d14	7.845	244	110355	10000.0000000	ppb		0.00
Spiked Amount 10000.000			Recovery = 100.00%				
Target Compounds							Qvalue
2) Pyridine	2.216	79	54038	10000.0000000	ppb		100
3) N-Nitrosodimethylamine	2.199	42	26952	10000.0000000	ppb		100
5) Aniline	3.228	66	28243	10000.0000000	ppb		100
6) bis(2-Chloroethyl)ether	3.251	93	54390m	10000.0000000	ppb		
8) Phenol	3.181	94	63496	10000.0000000	ppb		100
10) 2-Chlorophenol	3.293	128	53448	10000.0000000	ppb		100
11) n-Decane	3.293	41	33867	10000.0000000	ppb	#	100
12) 1,3-Dichlorobenzene	3.381	146	60750	10000.0000000	ppb		100
13) 1,4-Dichlorobenzene	3.422	146	60988	10000.0000000	ppb		100
14) Benzyl Alcohol	3.469	79	38840	10000.0000000	ppb		100
15) 1,2-Dichlorobenzene	3.504	146	58396	10000.0000000	ppb		100
16) bis(2-Chloroisopropyl)...	3.540	121	20161	10000.0000000	ppb		100
17) 2,2-oxybis(1-chloropro...	3.540	121	20161	10000.0000000	ppb		100
18) 2-Methylphenol	3.516	108	49043	10000.0000000	ppb		100
19) Hexachloroethane	3.698	117	25235	10000.0000000	ppb		100
20) N-Nitrosodi-n-propylamine	3.610	70	33756	10000.0000000	ppb		100
21) 3&4-Methyl phenol	3.593	107	53628	10000.0000000	ppb		100
25) Nitrobenzene	3.722	77	51043	10000.0000000	ppb		100
26) Isophorone	3.851	82	98776	10000.0000000	ppb		100
27) 2-Nitrophenol	3.904	139	23329	10000.0000000	ppb		100
28) 2,4-Dimethylphenol	3.904	107	50267	10000.0000000	ppb		100
29) bis(2-Chlorethoxy)methane	3.969	93	66470	10000.0000000	ppb		100
30) 2,4-Dichlorophenol	4.045	162	39336	10000.0000000	ppb		100
32) 1,2,4-Trichlorobenzene	4.104	180	45914	10000.0000000	ppb		100
34) Naphthalene	4.157	128	164019	10000.0000000	ppb		100
35) 4-Chloroaniline	4.175	65	16770	10000.0000000	ppb		100
36) Hexachloro-1,3-butadiene	4.222	225	24753	10000.0000000	ppb		100
40) 4-Chloro-3-methylphenol	4.463	107	39997	10000.0000000	ppb		100
41) 2-Methylnaphthalene	4.593	142	102616	10000.0000000	ppb		100
42) 1-Methylnaphthalene	4.657	142	98949	10000.0000000	ppb		100
47) Hexachlorocyclopentadiene	4.692	237	21949	10000.0000000	ppb		100
48) 2,4,6-Trichlorophenol	4.769	196	25822	10000.0000000	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_06.D
Acq On : 31 Mar 2022 6:28 pm
Operator : 3545
Sample : MSTD SVMS 10K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:57:16 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 15:56:28 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

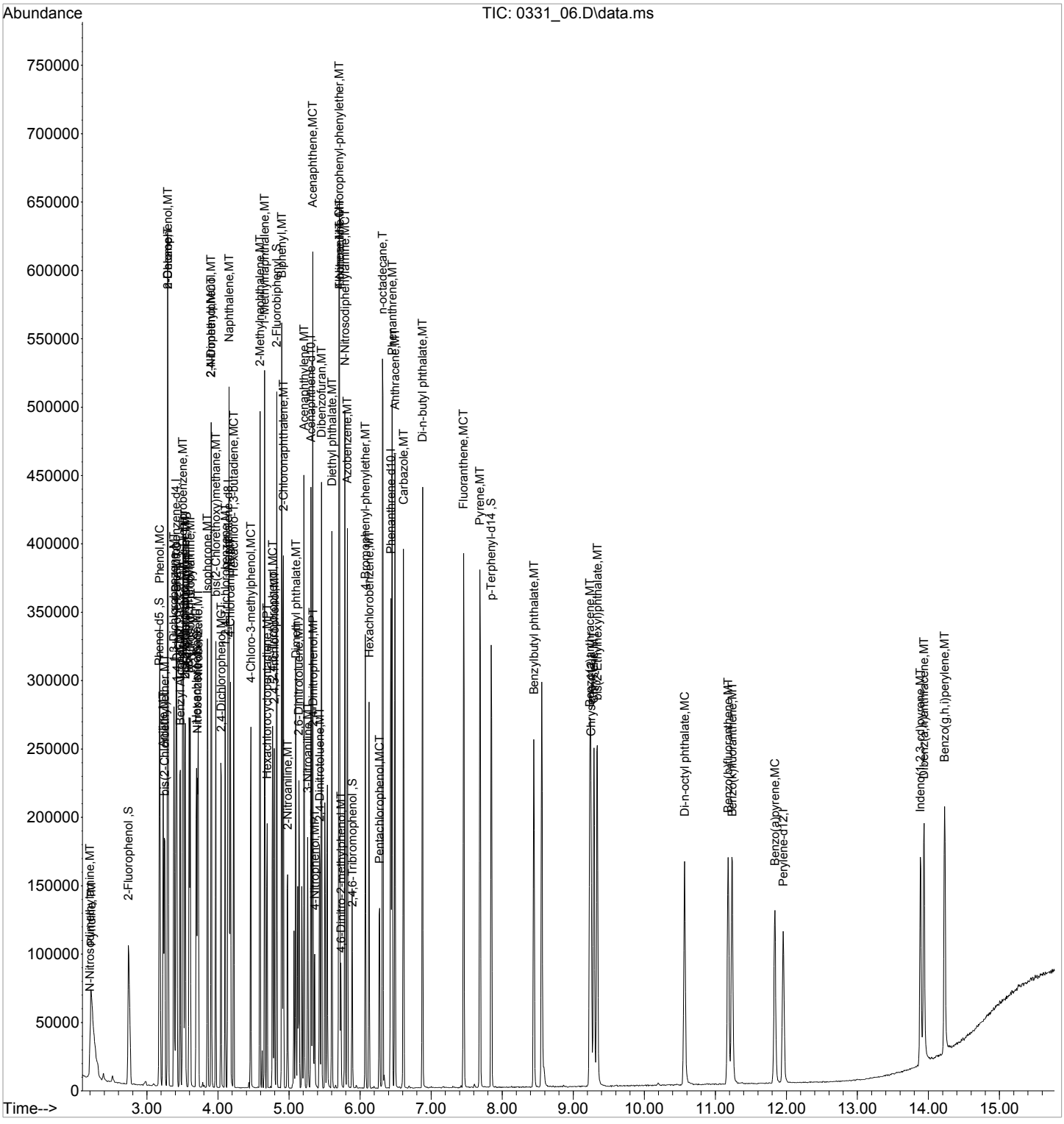
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	2,4,5-Trichlorophenol	4.792	196	26746	10000.0000000	ppb	100
51)	Biphenyl	4.898	154	121171	10000.0000000	ppb	100
52)	2-Chloronaphthalene	4.922	162	94566	10000.0000000	ppb	100
53)	2-Nitroaniline	4.981	138	25298	10000.0000000	ppb	100
54)	Acenaphthylene	5.210	152	144849	10000.0000000	ppb	100
55)	Dimethyl phthalate	5.098	163	106912	10000.0000000	ppb	100
56)	2,6-Dinitrotoluene	5.140	165	22620	10000.0000000	ppb	100
57)	3-Nitroaniline	5.263	138	20734	10000.0000000	ppb	100
58)	Acenaphthene	5.334	153	96185	10000.0000000	ppb	100
59)	2,4-Dinitrophenol	5.340	184	5547	10000.0000000	ppb	100
60)	Dibenzofuran	5.457	168	130881	10000.0000000	ppb	100
61)	2,4-Dinitrotoluene	5.434	165	27080	10000.0000000	ppb	100
63)	4-Nitrophenol	5.363	139	14605	10000.0000000	ppb	100
64)	Fluorene	5.710	166	109752	10000.0000000	ppb	100
65)	4-Chlorophenyl-phenyle...	5.704	204	48947	10000.0000000	ppb	100
66)	Diethyl phthalate	5.604	149	113139	10000.0000000	ppb	100
67)	4-Nitroaniline	5.710	138	12473	10000.0000000	ppb	100
68)	Azobenzene	5.822	77	113978	10000.0000000	ppb	100
71)	4,6-Dinitro-2-methylph...	5.734	198	9382	10000.0000000	ppb	100
72)	N-Nitrosodiphenylamine	5.787	169	86982	10000.0000000	ppb	100
74)	4-Bromophenyl-phenylether	6.075	248	26064	10000.0000000	ppb	100
75)	Hexachlorobenzene	6.128	284	30132	10000.0000000	ppb	100
76)	n-octadecane	6.316	55	20176	10000.0000000	ppb	100
77)	Pentachlorophenol	6.275	266	12679	10000.0000000	ppb	100
78)	Phenanthrene	6.451	178	144135	10000.0000000	ppb	100
79)	Anthracene	6.492	178	140337	10000.0000000	ppb	100
80)	Carbazole	6.610	167	120779	10000.0000000	ppb	100
81)	Di-n-butyl phthalate	6.881	149	183487	10000.0000000	ppb	100
83)	Fluoranthene	7.457	202	143797	10000.0000000	ppb	100
86)	Pyrene	7.686	202	148972	10000.0000000	ppb	100
88)	Benzylbutyl phthalate	8.445	149	64438	10000.0000000	ppb	100
90)	Benzo(a)anthracene	9.233	228	110985	10000.0000000	ppb	100
91)	Chrysene	9.292	228	116952	9997.5209649	ppb	100
92)	bis(2-Ethylhexyl)phtha...	9.339	149	96218	10000.0000000	ppb	100
93)	Di-n-octyl phthalate	10.569	149	134897	10000.0000000	ppb	100
95)	Benzo(b)fluoranthene	11.180	252	103049	10000.0000000	ppb	100
96)	Benzo(k)fluoranthene	11.239	252	109958	10000.0000000	ppb	100
97)	Benzo(a)pyrene	11.839	252	85063	10000.0000000	ppb	100
98)	Indeno(1,2,3-cd)pyrene	13.886	276	77280	10000.0000000	ppb	100
99)	Dibenz(a,h)anthracene	13.939	278	87499	10000.0000000	ppb	100
100)	Benzo(g,h,i)perylene	14.227	276	94402	10000.0000000	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_06.D
Acq On : 31 Mar 2022 6:28 pm
Operator : 3545
Sample : MSTD SVMS 10K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:57:16 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 15:56:28 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\042922B\
Data File : 0429B_02.D
Acq On : 29 Apr 2022 5:31 pm
Operator : 3545
Sample : ICV SVMS 10K PPB 22D19627 exp 10/01/22
Misc : SVMS CAL ISTD 22D16229 exp. 10/16/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 29 19:29:41 2022
Quant Method : C:\msdchem\1\methods\S824D29BV.M
Quant Title : 8270 BNA
QLast Update : Fri Apr 29 19:28:33 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.343	152	34721	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.072	136	141814	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.237	164	72983	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.348	188	122329	8000.0000000 ppb	0.00
84) Chrysene-d12	9.113	240	94191	8000.0000000 ppb	0.00
94) Perylene-d12	11.766	264	87365	8000.0000000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.678	112	51787	9526.5470780 ppb	0.00
Spiked Amount 20000.000			Recovery = 47.63%		
7) Phenol-d5	3.113	99	62394	9673.7789380 ppb	0.00
Spiked Amount 20000.000			Recovery = 48.37%		
24) Nitrobenzene-d5	3.648	82	53608m	9939.9649697 ppb	0.00
Spiked Amount 10000.000			Recovery = 99.40%		
50) 2-Fluorobiphenyl	4.754	172	110751	9556.0525709 ppb	0.00
Spiked Amount 10000.000			Recovery = 95.56%		
73) 2,4,6-Tribromophenol	5.813	330	12747	9946.0609950 ppb	0.00
Spiked Amount 20000.000			Recovery = 49.73%		
87) p-Terphenyl-d14	7.736	244	121362	9310.8734599 ppb	0.00
Spiked Amount 10000.000			Recovery = 93.11%		
Target Compounds					Qvalue
2) Pyridine	2.149	79	53826	9347.1354793 ppb	97
3) N-Nitrosodimethylamine	2.131	42	24901	8213.8766926 ppb	93
5) Aniline	3.166	66	30037	10064.5052197 ppb #	24
6) bis(2-Chloroethyl)ether	3.184	93	59920m	10205.4074214 ppb	
8) Phenol	3.119	94	66790	9768.4580572 ppb	96
10) 2-Chlorophenol	3.231	128	55720	9785.6997436 ppb	93
11) n-Decane	3.225	41	30829	8422.3241625 ppb #	96
12) 1,3-Dichlorobenzene	3.313	146	61737	9460.6674667 ppb	99
13) 1,4-Dichlorobenzene	3.354	146	62717	9601.6296348 ppb	99
14) Benzyl Alcohol	3.401	79	41147	9865.3111340 ppb	99
15) 1,2-Dichlorobenzene	3.437	146	59098	9383.6062355 ppb	99
16) bis(2-Chloroisopropyl)...	3.472	121	19823	9114.7355717 ppb	92
17) 2,2-oxybis(1-chloropro...	3.472	121	19823	9114.7355717 ppb	92
18) 2-Methylphenol	3.448	108	51422	10040.6622639 ppb	97
19) Hexachloroethane	3.625	117	25427	9335.2205902 ppb	94
20) N-Nitrosodi-n-propylamine	3.543	70	35264	9681.1510235 ppb	99
21) 3&4-Methyl phenol	3.531	107	55759	9869.7553944 ppb	99
25) Nitrobenzene	3.654	77	55107	10109.6027410 ppb	98
26) Isophorone	3.784	82	102182	9576.8327252 ppb	100
27) 2-Nitrophenol	3.837	139	25409	9852.4073272 ppb	87
28) 2,4-Dimethylphenol	3.843	107	52260	9847.6018926 ppb	99
29) bis(2-Chlorethoxy)methane	3.901	93	67640	9435.2004785 ppb	99
30) 2,4-Dichlorophenol	3.978	162	42013	10020.5506012 ppb	96
32) 1,2,4-Trichlorobenzene	4.031	180	46298	9233.9072755 ppb	95
34) Naphthalene	4.090	128	166007	9377.7384495 ppb	100
35) 4-Chloroaniline	4.107	65	18448	9916.6835713 ppb	97
36) Hexachloro-1,3-butadiene	4.148	225	25433	9404.1037456 ppb	97
40) 4-Chloro-3-methylphenol	4.395	107	42870	9773.1491472 ppb	97
41) 2-Methylnaphthalene	4.519	142	105002	9441.1403741 ppb	99
42) 1-Methylnaphthalene	4.584	142	101389	9364.7404413 ppb	100
47) Hexachlorocyclopentadiene	4.619	237	21972	9229.5812969 ppb	96
48) 2,4,6-Trichlorophenol	4.695	196	27403	10053.0413465 ppb	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\042922B\
Data File : 0429B_02.D
Acq On : 29 Apr 2022 5:31 pm
Operator : 3545
Sample : ICV SVMS 10K PPB 22D19627 exp 10/01/22
Misc : SVMS CAL ISTD 22D16229 exp. 10/16/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 29 19:29:41 2022
Quant Method : C:\msdchem\1\methods\S824D29BV.M
Quant Title : 8270 BNA
QLast Update : Fri Apr 29 19:28:33 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

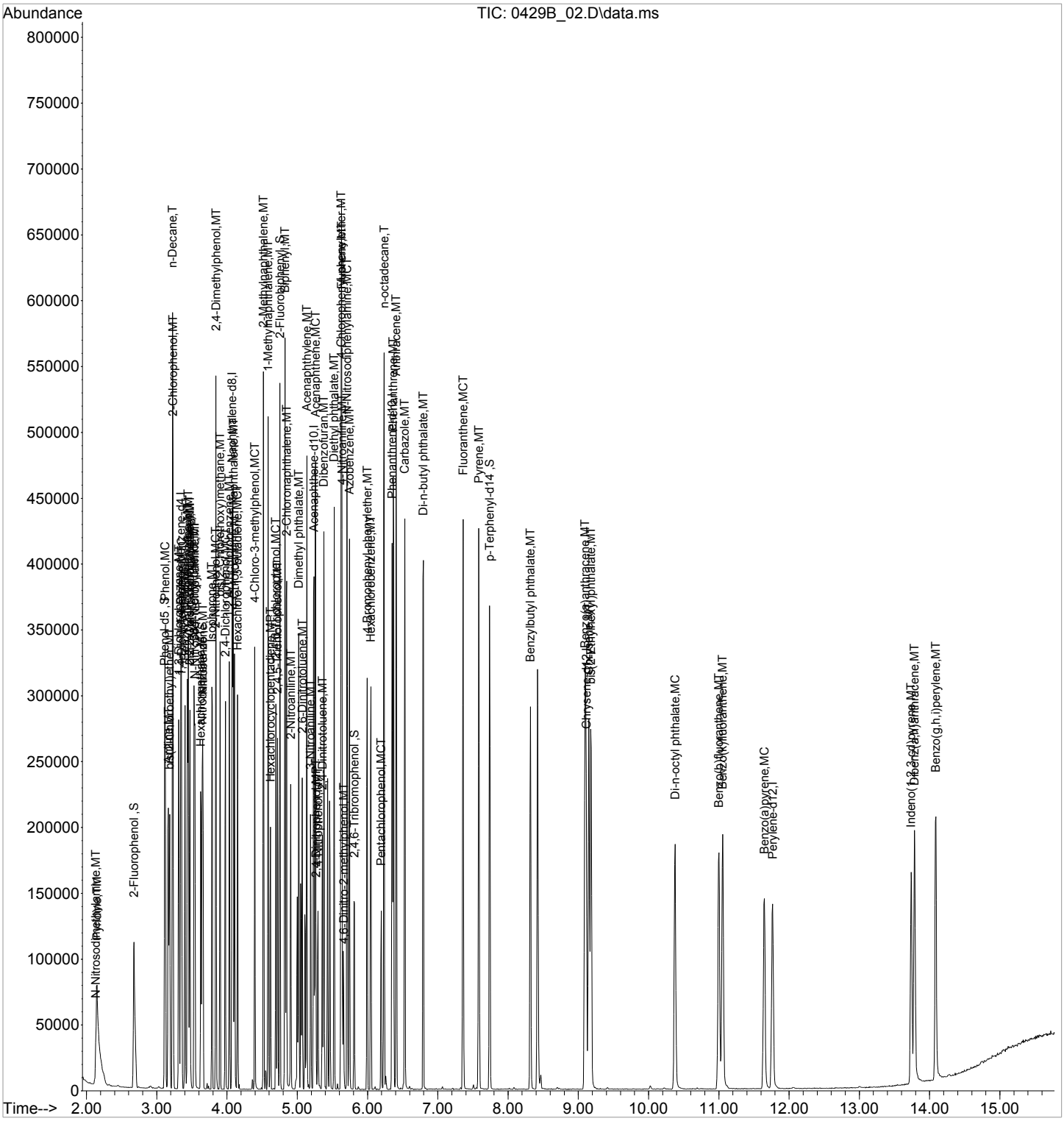
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
49)	2,4,5-Trichlorophenol	4.719	196	29365	10543.7507224 ppb		93
51)	Biphenyl	4.825	154	124290	9517.3986670 ppb		99
52)	2-Chloronaphthalene	4.848	162	97251	9649.1517606 ppb		99
53)	2-Nitroaniline	4.907	138	31669	10592.9410083 ppb		99
54)	Acenaphthylene	5.137	152	150810	9751.4770077 ppb		100
55)	Dimethyl phthalate	5.019	163	109339	9682.2634147 ppb		92
56)	2,6-Dinitrotoluene	5.072	165	25467	10330.6989938 ppb		81
57)	3-Nitroaniline	5.189	138	25785	10953.1348418 ppb		97
58)	Acenaphthene	5.260	153	99101	9455.5726306 ppb		98
59)	2,4-Dinitrophenol	5.266	184	5993	8840.0167598 ppb	#	1
60)	Dibenzofuran	5.378	168	137045	9799.3572344 ppb		100
61)	2,4-Dinitrotoluene	5.360	165	30940	10024.9623613 ppb		97
63)	4-Nitrophenol	5.295	139	18931	11108.1142510 ppb		97
64)	Fluorene	5.631	166	112911	9753.3710928 ppb		97
65)	4-Chlorophenyl-phenyle...	5.625	204	50189	9518.9986133 ppb		99
66)	Diethyl phthalate	5.525	149	115221	9807.0550971 ppb		98
67)	4-Nitroaniline	5.637	138	21489	15075.5679791 ppb		99
68)	Azobenzene	5.742	77	117275	9932.7788080 ppb		99
71)	4,6-Dinitro-2-methylph...	5.660	198	10709	9259.2700472 ppb		98
72)	N-Nitrosodiphenylamine	5.707	169	91384	9604.8298764 ppb		100
74)	4-Bromophenyl-phenylether	5.995	248	27848	9535.9568611 ppb		90
75)	Hexachlorobenzene	6.048	284	31371	9196.1430755 ppb		99
76)	n-octadecane	6.236	55	19676	8631.4403952 ppb		100
77)	Pentachlorophenol	6.195	266	11706	8043.4149505 ppb		98
78)	Phenanthrene	6.366	178	151616	9351.3664803 ppb		99
79)	Anthracene	6.407	178	152674	9917.6724685 ppb		98
80)	Carbazole	6.531	167	135830	10314.6742137 ppb		99
81)	Di-n-butyl phthalate	6.795	149	187224	9491.7916435 ppb		99
83)	Fluoranthene	7.360	202	150751	9502.1110437 ppb		99
86)	Pyrene	7.583	202	156977	8897.3825763 ppb		99
88)	Benzylbutyl phthalate	8.319	149	73740	9107.1006176 ppb		97
90)	Benzo(a)anthracene	9.095	228	128467	9770.8170872 ppb		99
91)	Chrysene	9.148	228	131331	9457.0343856 ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.177	149	104028	8708.3756522 ppb		99
93)	Di-n-octyl phthalate	10.377	149	154290	8506.4476678 ppb		99
95)	Benzo(b)fluoranthene	11.001	252	117962	9213.0472428 ppb		100
96)	Benzo(k)fluoranthene	11.054	252	126080	9630.3948039 ppb		99
97)	Benzo(a)pyrene	11.648	252	100734	9706.0216441 ppb		98
98)	Indeno(1,2,3-cd)pyrene	13.736	276	91330	9668.6280520 ppb		97
99)	Dibenz(a,h)anthracene	13.783	278	104495	9869.9144856 ppb		98
100)	Benzo(g,h,i)perylene	14.089	276	110936	9891.4243184 ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\042922B\
Data File : 0429B_02.D
Acq On : 29 Apr 2022 5:31 pm
Operator : 3545
Sample : ICV SVMS 10K PPB 22D19627 exp 10/01/22
Misc : SVMS CAL ISTD 22D16229 exp. 10/16/22
ALS Vial : 3 Sample Multiplier: 1

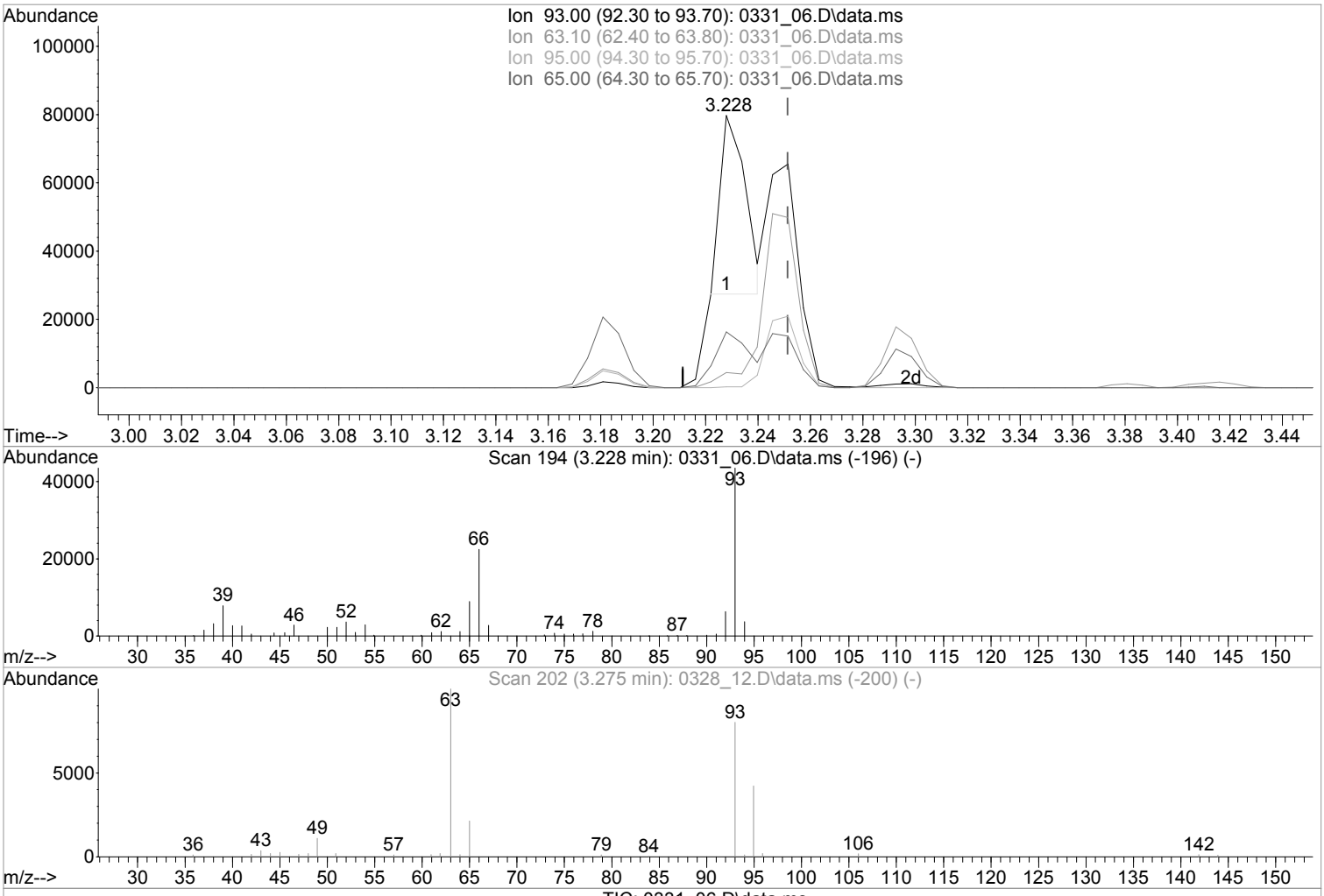
Quant Time: Apr 29 19:29:41 2022
Quant Method : C:\msdchem\1\methods\S824D29BV.M
Quant Title : 8270 BNA
QLast Update : Fri Apr 29 19:28:33 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_06.D
Acq On : 31 Mar 2022 6:28 pm
Operator : 3545
Sample : MSTD SVMS 10K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:56:37 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 15:56:28 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_06.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.228min (-0.024) 6479.8676227 ppb

Qvalue = 37

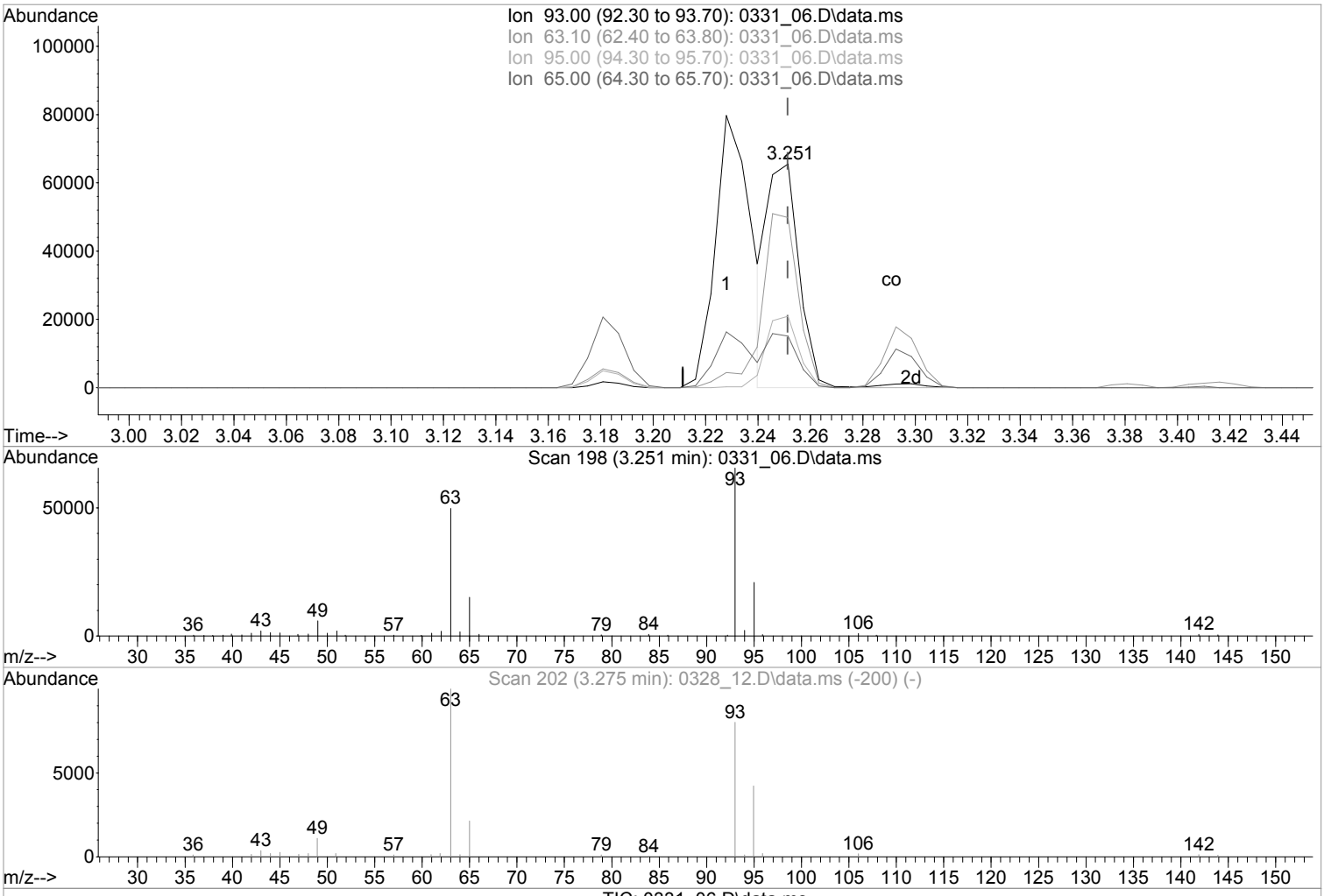
response 35244

Ion	Exp%	Act%
93.00	100	100
63.10	76.00	5.09#
95.00	31.90	0.47#
65.00	23.10	19.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_06.D
Acq On : 31 Mar 2022 6:28 pm
Operator : 3545
Sample : MSTD SVMS 10K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:56:37 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 15:56:28 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_06.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.251min (0.000) 10000.0000000 ppb m

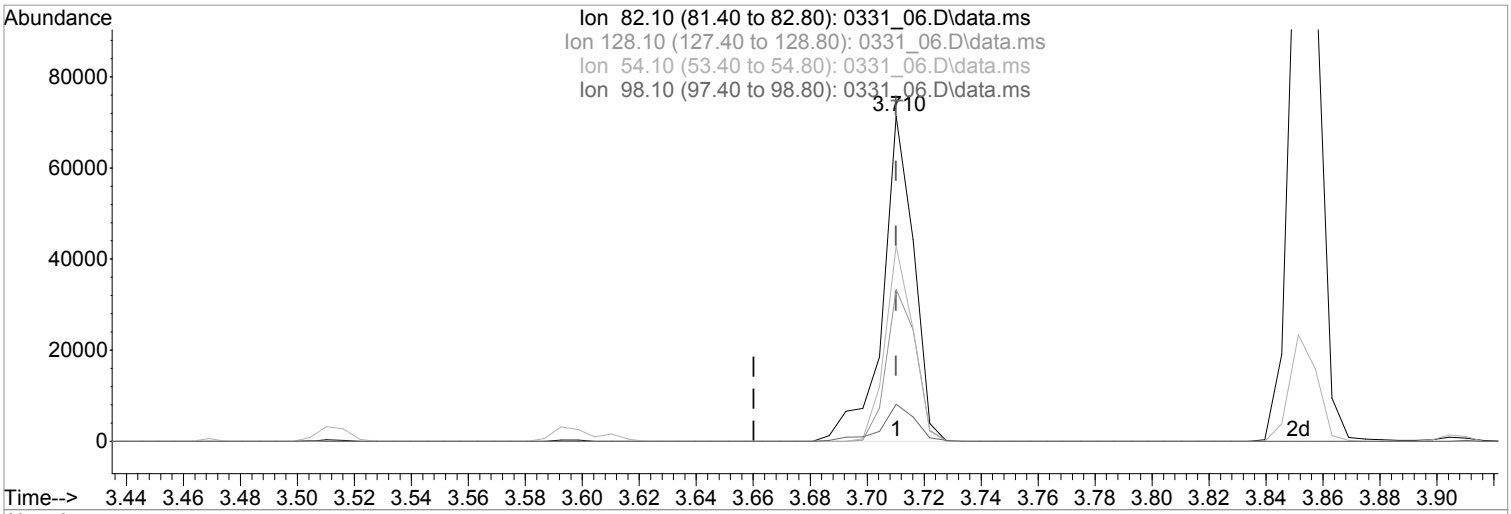
response 54390

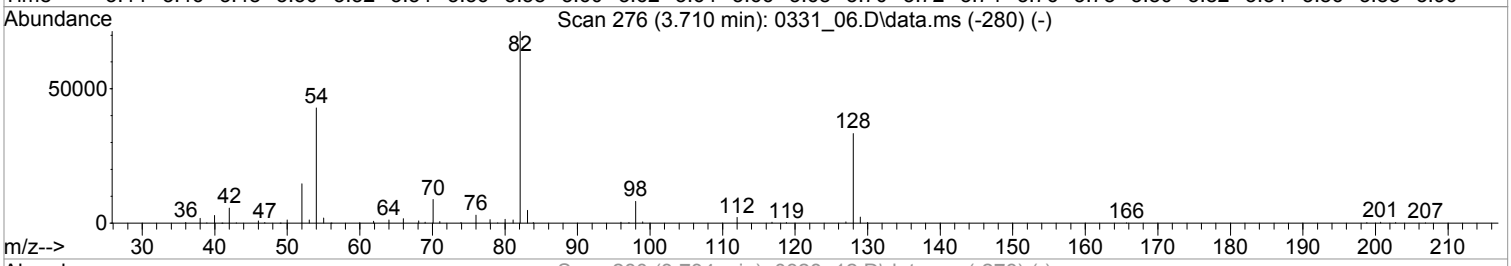
Ion	Exp%	Act%
93.00	100	100
63.10	76.00	76.04
95.00	31.90	31.89
65.00	23.10	23.09

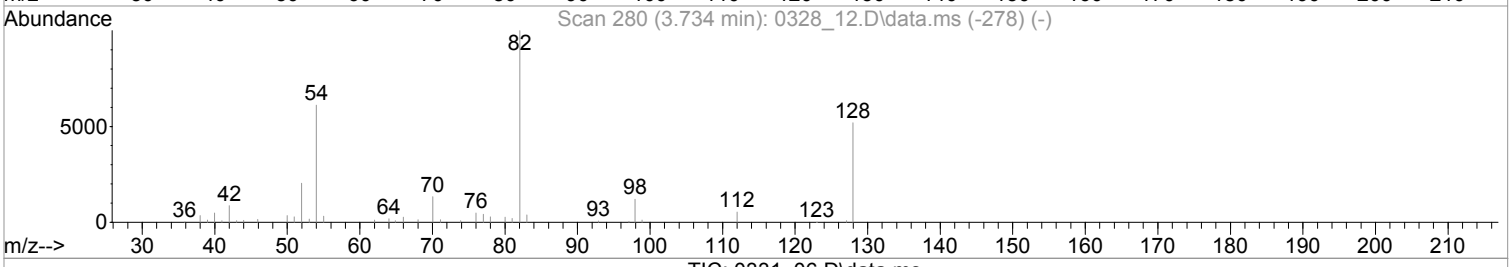
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_06.D
Acq On : 31 Mar 2022 6:28 pm
Operator : 3545
Sample : MSTD SVMS 10K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:56:37 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 15:56:28 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_06.D\data.ms

(24) Nitrobenzene-d5 (S)

3.710min (0.000) 11089.1251693 ppb

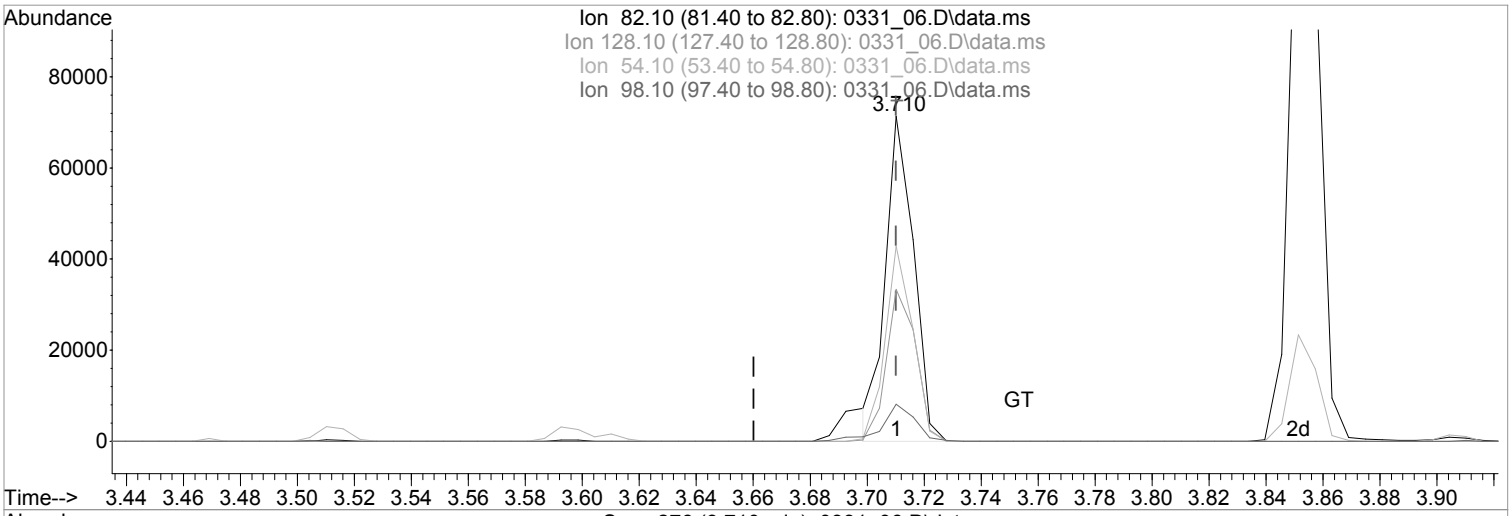
Qvalue = 100

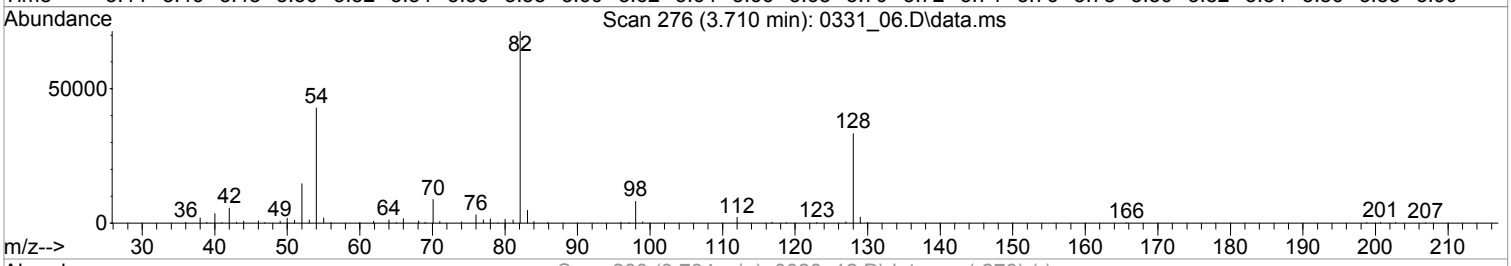
response 54024

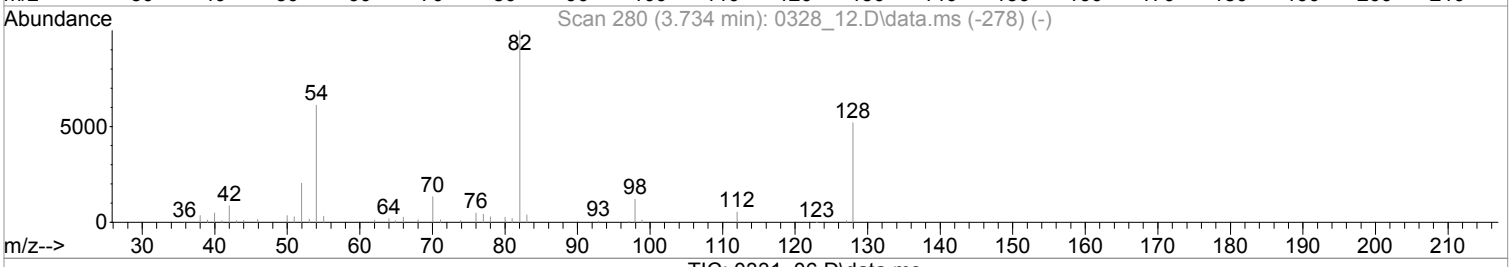
Ion	Exp%	Act%
82.10	100	100
128.10	46.80	46.75
54.10	60.00	60.04
98.10	11.40	11.42

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_06.D
Acq On : 31 Mar 2022 6:28 pm
Operator : 3545
Sample : MSTD SVMS 10K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:56:37 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 15:56:28 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_06.D\data.ms

(24) Nitrobenzene-d5 (S)

3.710min (0.000) 10000.0000000 ppb m

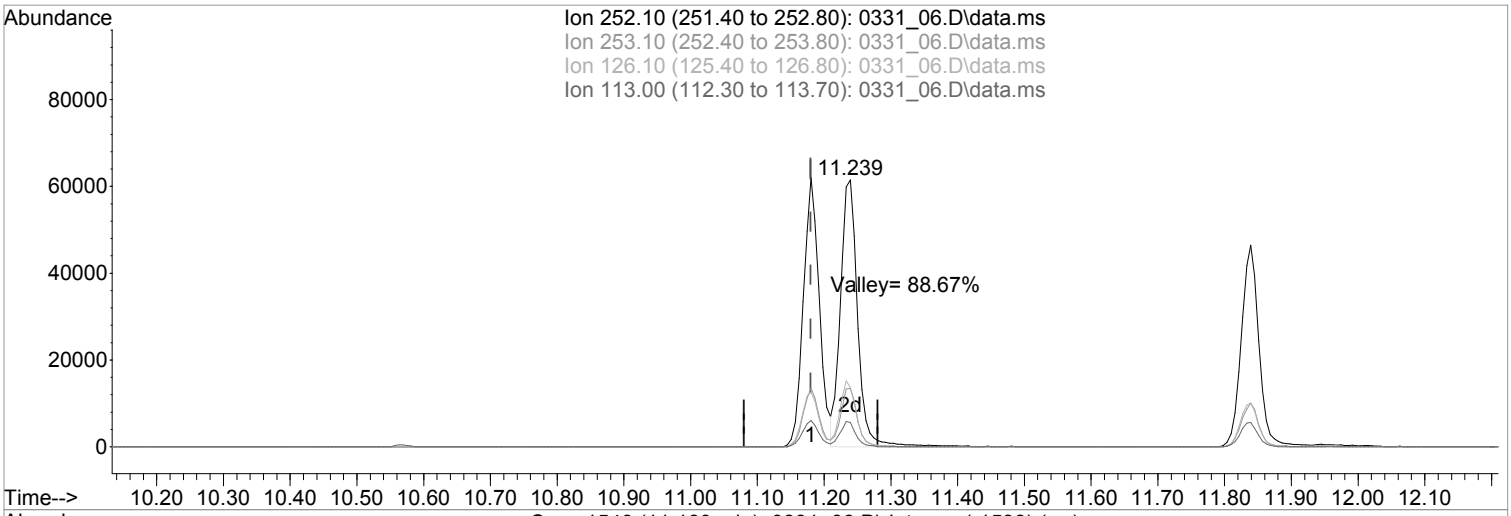
response 48718

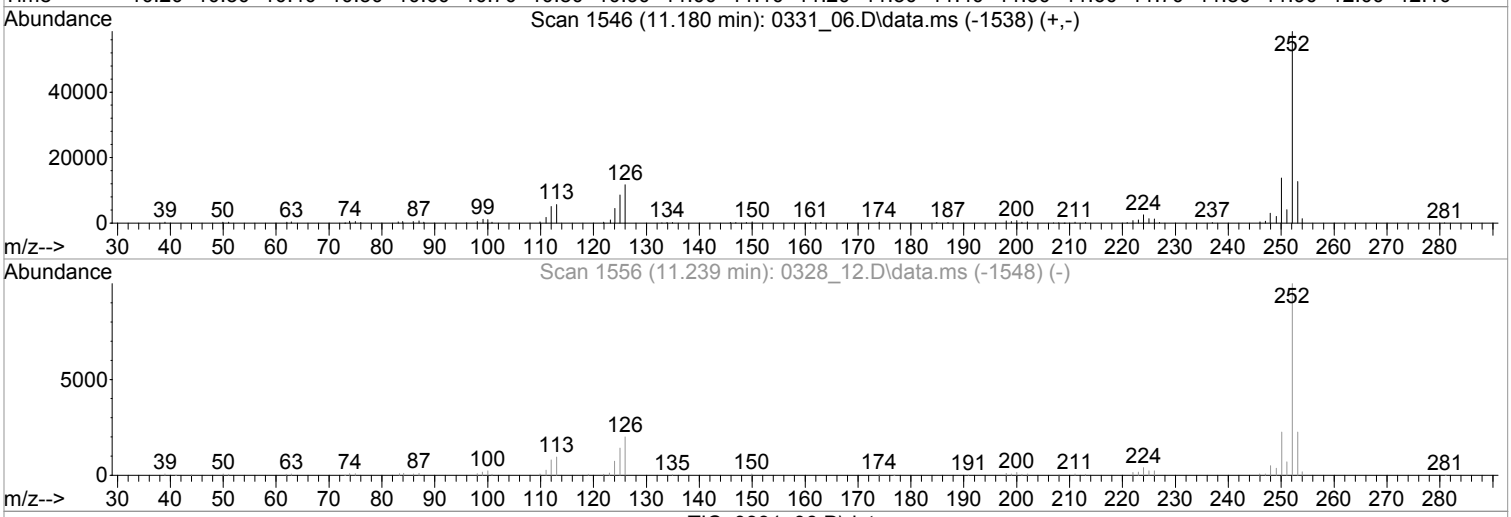
Ion	Exp%	Act%
82.10	100	100
128.10	46.80	46.75
54.10	60.00	60.04
98.10	11.40	11.42

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_06.D
Acq On : 31 Mar 2022 6:28 pm
Operator : 3545
Sample : MSTD SVMS 10K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 15:56:37 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 15:56:28 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M





TIC: 0331_06.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.180min (0.000) 10000.0000000 ppb

Qvalue = 100

response 103049

Ion	Exp%	Act%
252.10	100	100
253.10	21.80	21.75
126.10	20.00	20.04
113.00	9.70	9.74

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_07.D
Acq On : 31 Mar 2022 6:49 pm
Operator : 3545
Sample : STD SVMS 20K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 04 16:06:30 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:05:43 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.410	152	32792	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.140	136	134078	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.310	164	70723	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.434	188	112936	8000.0000000	ppb		0.00
84) Chrysene-d12	9.251	240	84930	8000.0000000	ppb		0.00
94) Perylene-d12	11.957	264	75119	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.740	112	106152	20861.0973521	ppb		0.00
Spiked Amount 20000.000				Recovery = 104.31%			
7) Phenol-d5	3.175	99	126213	21001.8195808	ppb		0.00
Spiked Amount 20000.000				Recovery = 105.01%			
24) Nitrobenzene-d5	3.710	82	103619m	20771.1930820	ppb		0.00
Spiked Amount 10000.000				Recovery = 207.71%			
50) 2-Fluorobiphenyl	4.828	172	223030	19027.3520423	ppb		0.00
Spiked Amount 10000.000				Recovery = 190.27%			
73) 2,4,6-Tribromophenol	5.892	330	25243	24542.1885073	ppb		0.00
Spiked Amount 20000.000				Recovery = 122.71%			
87) p-Terphenyl-d14	7.845	244	237308	19778.2683501	ppb		0.00
Spiked Amount 10000.000				Recovery = 197.78%			
Target Compounds							Qvalue
2) Pyridine	2.210	79	111293	20520.0582576	ppb		98
3) N-Nitrosodimethylamine	2.199	42	54707	17512.4649974	ppb		97
5) Aniline	3.228	66	57894	20863.9637808	ppb	#	16
6) bis(2-Chloroethyl)ether	3.251	93	110886m	19845.2727506	ppb		
8) Phenol	3.181	94	133099	20780.4249322	ppb		98
10) 2-Chlorophenol	3.293	128	112522	21384.5068803	ppb		98
11) n-Decane	3.293	41	68989	18920.4635757	ppb	#	100
12) 1,3-Dichlorobenzene	3.381	146	123575	19382.0792001	ppb		99
13) 1,4-Dichlorobenzene	3.416	146	124782	19676.3481368	ppb		97
14) Benzyl Alcohol	3.469	79	82542	21814.2426793	ppb		99
15) 1,2-Dichlorobenzene	3.504	146	118829	19192.9016445	ppb		98
16) bis(2-Chloroisopropyl)...	3.540	121	41324	19661.8731881	ppb		99
17) 2,2-oxybis(1-chloropro...	3.540	121	41324	19661.8731881	ppb		99
18) 2-Methylphenol	3.516	108	101827	21477.9744707	ppb		99
19) Hexachloroethane	3.698	117	52039	19890.3601889	ppb		98
20) N-Nitrosodi-n-propylamine	3.610	70	72194	21832.9659564	ppb		98
21) 3&4-Methyl phenol	3.598	107	111931	21421.6043465	ppb		96
25) Nitrobenzene	3.722	77	105247	20884.2027666	ppb		98
26) Isophorone	3.857	82	210585	21841.1908819	ppb		91
27) 2-Nitrophenol	3.904	139	52249	24618.0078291	ppb		95
28) 2,4-Dimethylphenol	3.910	107	103310	21041.1313099	ppb		96
29) bis(2-Chlorethoxy)methane	3.969	93	136801	20048.2800815	ppb		100
30) 2,4-Dichlorophenol	4.045	162	83454	22074.7247902	ppb		99
32) 1,2,4-Trichlorobenzene	4.104	180	94214	19197.4563184	ppb		97
34) Naphthalene	4.157	128	329834	18763.7653181	ppb		100
35) 4-Chloroaniline	4.175	65	36268	21893.3392059	ppb		96
36) Hexachloro-1,3-butadiene	4.222	225	50893	19291.4613634	ppb		97
40) 4-Chloro-3-methylphenol	4.463	107	87785	23024.4502760	ppb		100
41) 2-Methylnaphthalene	4.593	142	211946	19970.4058612	ppb		100
42) 1-Methylnaphthalene	4.657	142	205339	19719.8276242	ppb		99
47) Hexachlorocyclopentadiene	4.692	237	48263	22542.2258944	ppb		99
48) 2,4,6-Trichlorophenol	4.769	196	56577	23494.5231526	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_07.D
Acq On : 31 Mar 2022 6:49 pm
Operator : 3545
Sample : STD SVMS 20K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 04 16:06:30 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:05:43 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

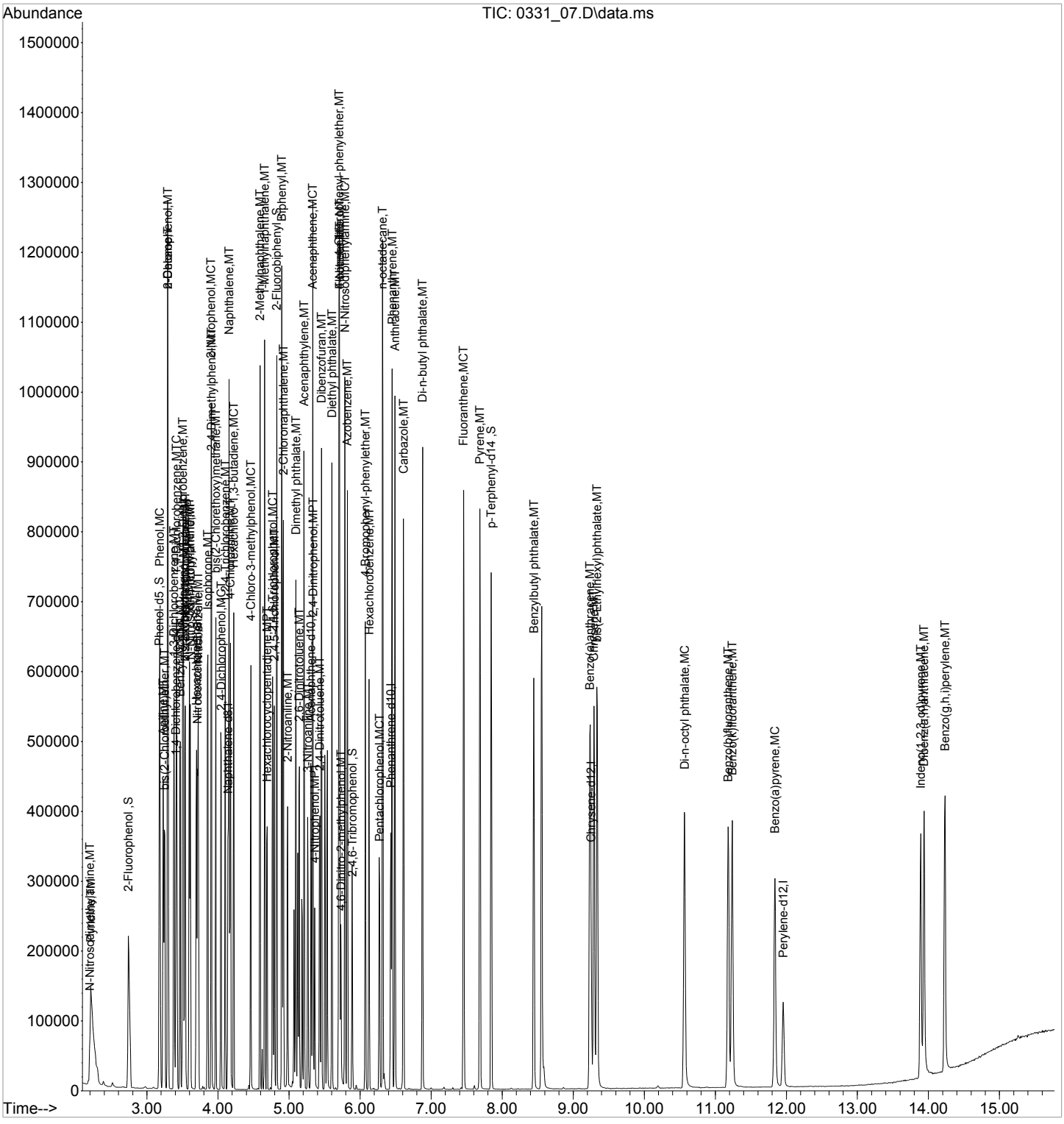
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	2,4,5-Trichlorophenol	4.792	196	59315	24551.4730430	ppb		98
51)	Biphenyl	4.898	154	251259	19173.6958276	ppb		100
52)	2-Chloronaphthalene	4.922	162	193285	19212.2177403	ppb		99
53)	2-Nitroaniline	4.981	138	59759	25988.3511479	ppb		98
54)	Acenaphthylene	5.210	152	303372	20149.8725762	ppb		100
55)	Dimethyl phthalate	5.098	163	227095	21158.3884957	ppb		97
56)	2,6-Dinitrotoluene	5.145	165	51741	24536.2501075	ppb	#	80
57)	3-Nitroaniline	5.263	138	47887	25616.1751347	ppb		99
58)	Acenaphthene	5.334	153	202163	19347.9009194	ppb		98
59)	2,4-Dinitrophenol	5.340	184	14976	29432.6206918	ppb	#	70
60)	Dibenzofuran	5.457	168	267370	19040.7081128	ppb		99
61)	2,4-Dinitrotoluene	5.434	165	61558	25802.4933154	ppb		99
63)	4-Nitrophenol	5.363	139	33738	26954.3131233	ppb		97
64)	Fluorene	5.710	166	226042	19747.7794311	ppb		98
65)	4-Chlorophenyl-phenyle...	5.704	204	101491	19118.9264213	ppb		99
66)	Diethyl phthalate	5.604	149	234955	20771.6196118	ppb		100
67)	4-Nitroaniline	5.710	138	24185	16136.9020443	ppb		95
68)	Azobenzene	5.822	77	238153	21105.6381926	ppb		99
71)	4,6-Dinitro-2-methylph...	5.734	198	24209	33263.5986863	ppb		96
72)	N-Nitrosodiphenylamine	5.787	169	183408	21087.6244155	ppb		100
74)	4-Bromophenyl-phenylether	6.075	248	54290	19982.1021032	ppb		95
75)	Hexachlorobenzene	6.128	284	62307	18977.7188118	ppb		100
76)	n-octadecane	6.316	55	43712	20878.0975737	ppb		99
77)	Pentachlorophenol	6.275	266	30833	25917.7797076	ppb		99
78)	Phenanthrene	6.451	178	296157	19005.7829735	ppb		100
79)	Anthracene	6.492	178	293833	20894.2352570	ppb		98
80)	Carbazole	6.610	167	250897	21148.1675444	ppb		99
81)	Di-n-butyl phthalate	6.881	149	397421	23698.6563151	ppb		100
83)	Fluoranthene	7.457	202	304212	21412.2235528	ppb		100
86)	Pyrene	7.686	202	314336	18911.5981484	ppb		99
88)	Benzylbutyl phthalate	8.445	149	150478	26024.5200637	ppb		97
90)	Benzo(a)anthracene	9.233	228	242646	21018.4091374	ppb		99
91)	Chrysene	9.292	228	250717	19529.3570288	ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.333	149	225383	26777.0888674	ppb		98
93)	Di-n-octyl phthalate	10.569	149	335350	29247.6424441	ppb		99
95)	Benzo(b)fluoranthene	11.180	252	230240	22096.3443995	ppb		98
96)	Benzo(k)fluoranthene	11.239	252	239541	22391.4257258	ppb		99
97)	Benzo(a)pyrene	11.839	252	191805	23713.6445070	ppb		99
98)	Indeno(1,2,3-cd)pyrene	13.892	276	170517	22398.0952594	ppb		98
99)	Dibenz(a,h)anthracene	13.939	278	192016	22172.7985225	ppb		98
100)	Benzo(g,h,i)perylene	14.233	276	201342	21390.6206879	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_07.D
Acq On : 31 Mar 2022 6:49 pm
Operator : 3545
Sample : STD SVMS 20K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 7 Sample Multiplier: 1

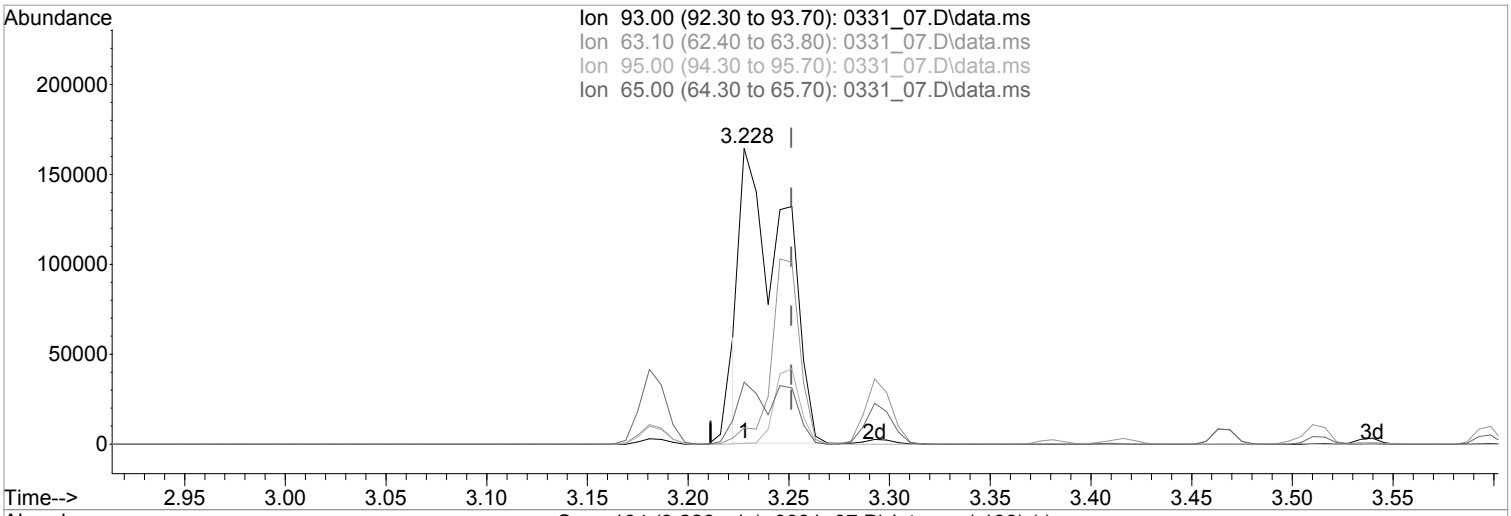
Quant Time: Apr 04 16:06:30 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:05:43 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

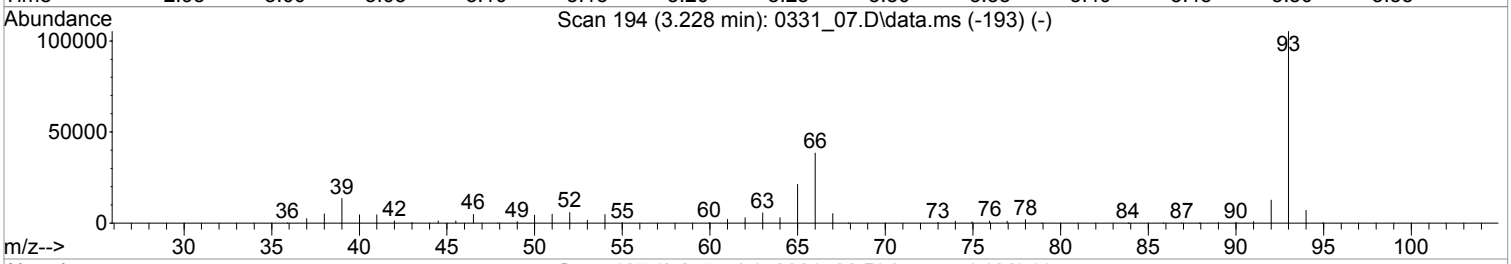


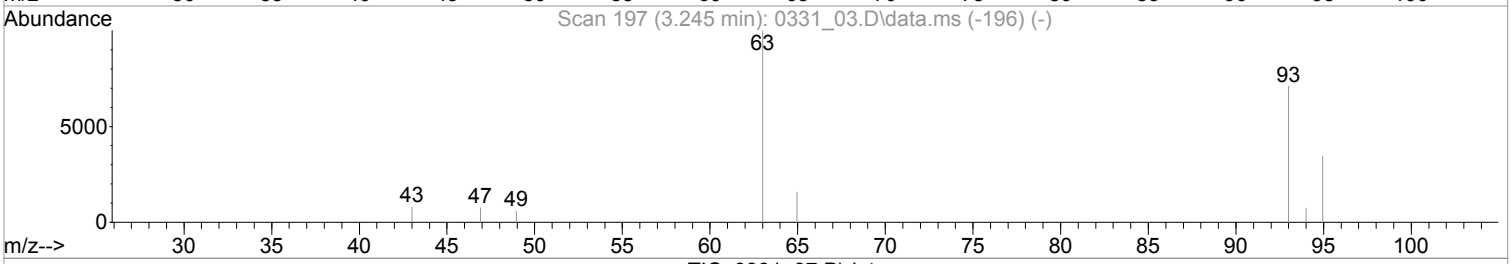
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_07.D
Acq On : 31 Mar 2022 6:49 pm
Operator : 3545
Sample : STD SVMS 20K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 04 16:05:48 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:05:43 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_07.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.228min (-0.024) 43763.3668852 ppb

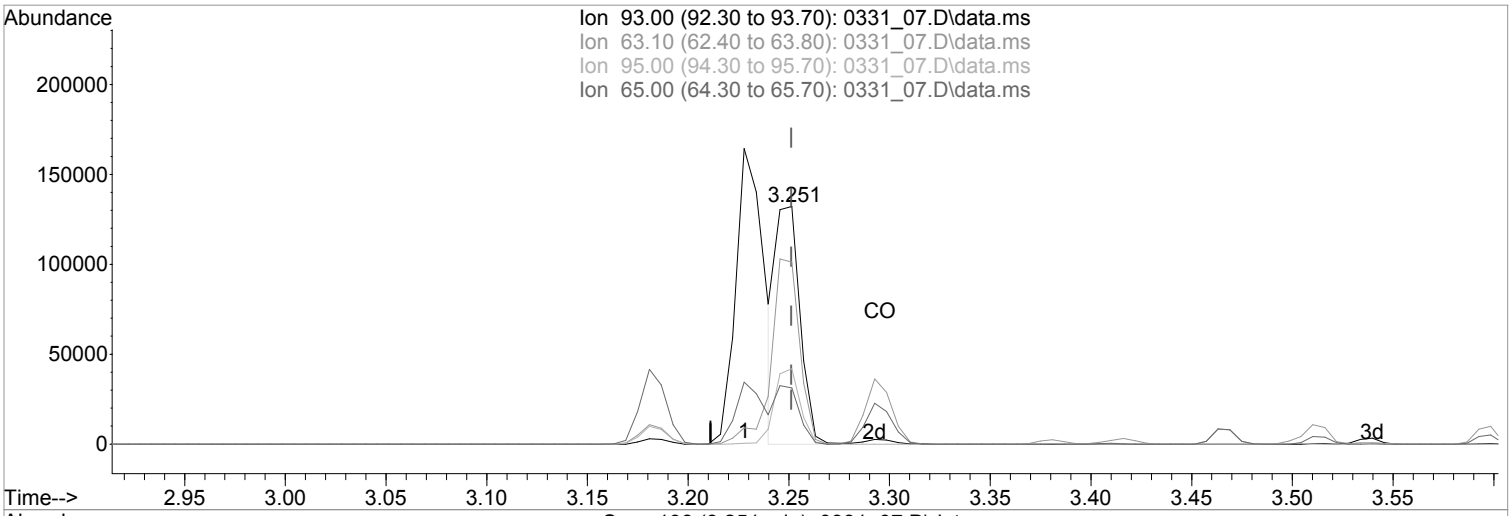
Qvalue = 38

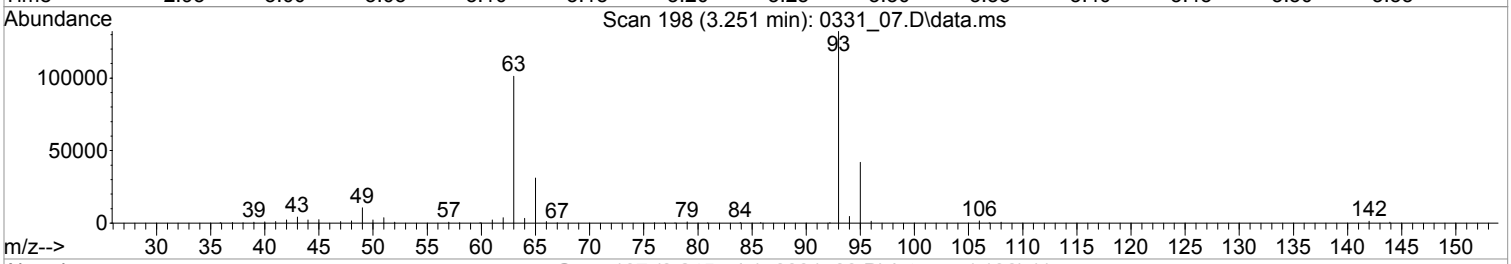
response 244529

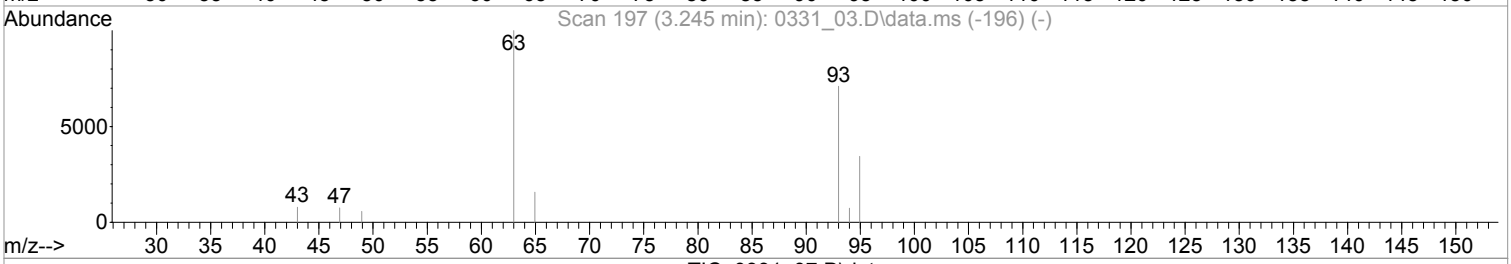
Ion	Exp%	Act%
93.00	100	100
63.10	76.00	5.53#
95.00	31.90	0.24#
65.00	23.10	20.89

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_07.D
Acq On : 31 Mar 2022 6:49 pm
Operator : 3545
Sample : STD SVMS 20K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 04 16:05:48 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:05:43 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_07.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.251min (+0.000) 19845.2727506 ppb m

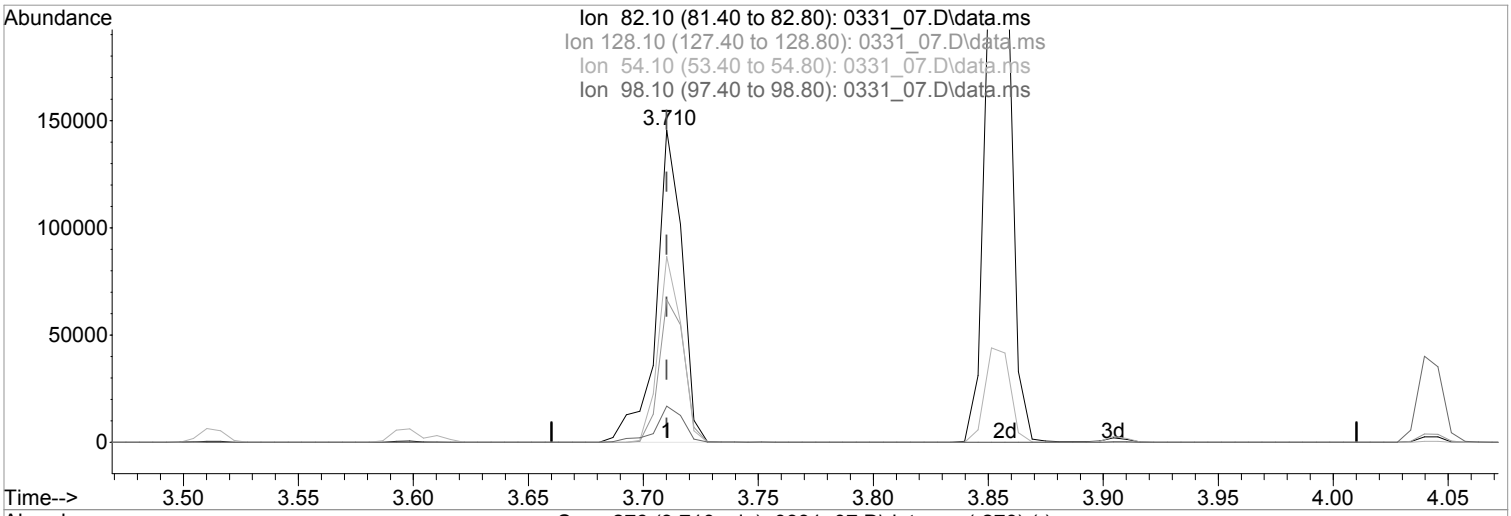
response 110886

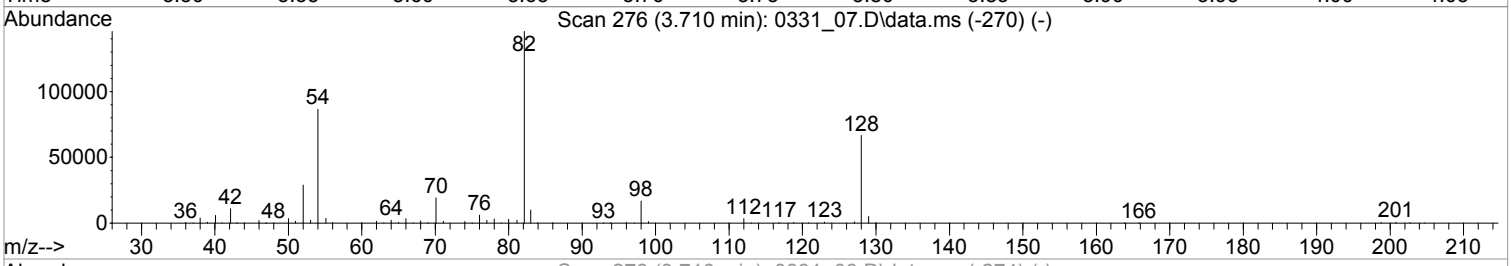
Ion	Exp%	Act%
93.00	100	100
63.10	76.00	76.56
95.00	31.90	31.70
65.00	23.10	23.63

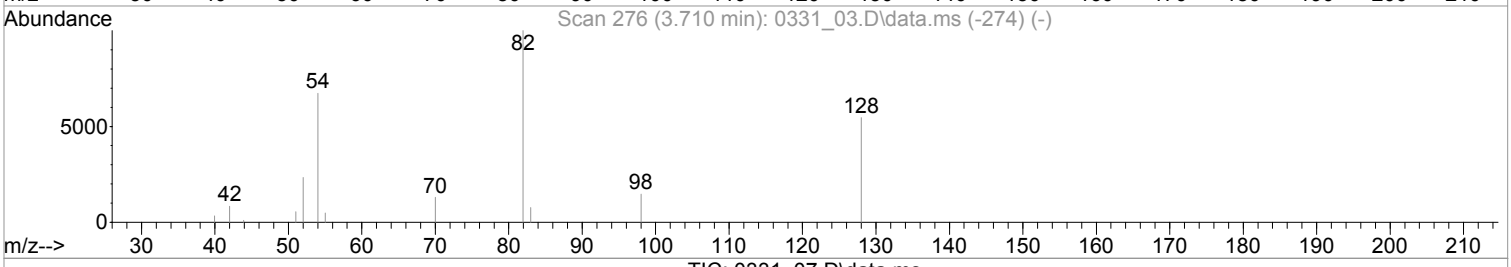
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_07.D
Acq On : 31 Mar 2022 6:49 pm
Operator : 3545
Sample : STD SVMS 20K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 04 16:05:48 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:05:43 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_07.D\data.ms

(24) Nitrobenzene-d5 (S)

3.710min (0.000) 22875.1937247 ppb

Qvalue = 99

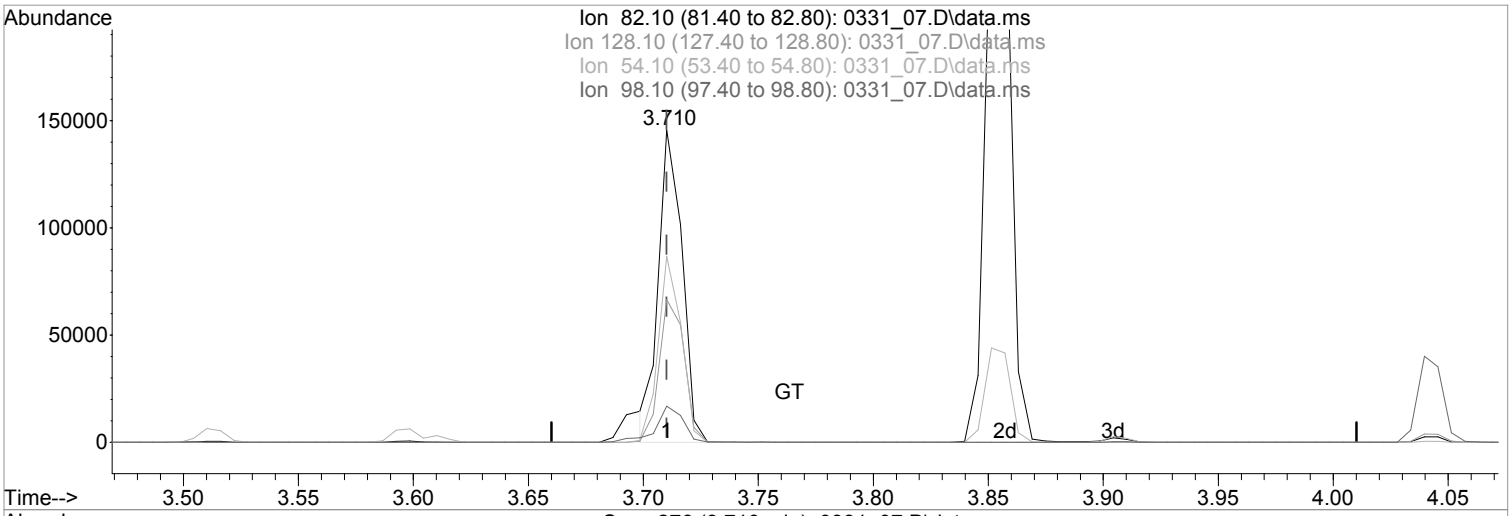
response 114115

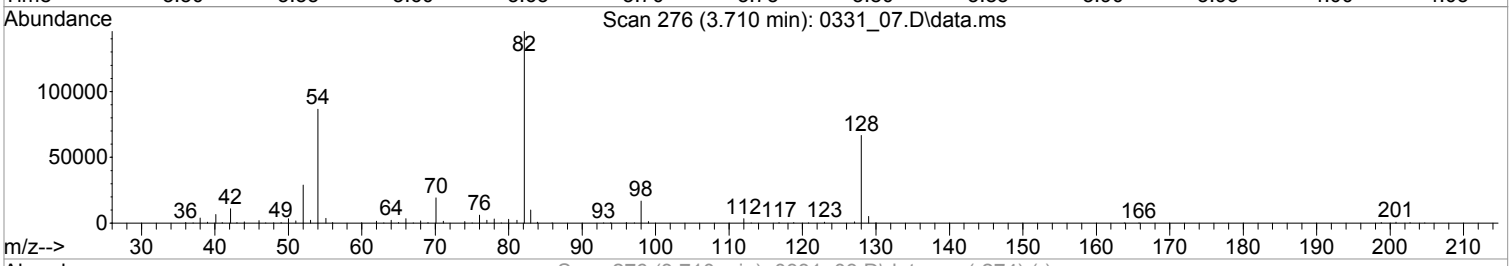
Ion	Exp%	Act%
82.10	100	100
128.10	46.80	45.73
54.10	60.00	59.51
98.10	11.40	11.59

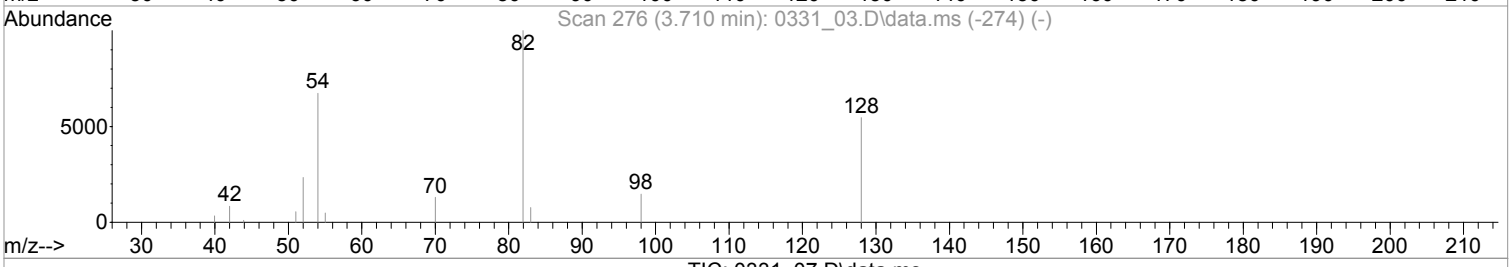
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_07.D
Acq On : 31 Mar 2022 6:49 pm
Operator : 3545
Sample : STD SVMS 20K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 04 16:05:48 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:05:43 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_07.D\data.ms

(24) Nitrobenzene-d5 (S)

3.710min (0.000) 20771.1930820 ppb m

response 103619

Ion	Exp%	Act%
82.10	100	100
128.10	46.80	45.73
54.10	60.00	59.51
98.10	11.40	11.59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_08.D
Acq On : 31 Mar 2022 7:11 pm
Operator : 3545
Sample : STD SVMS 30K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 04 16:07:49 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:07:10 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.410	152	33533	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.140	136	132888	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.310	164	71209	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.434	188	113292	8000.0000000	ppb		0.00
84) Chrysene-d12	9.251	240	87467	8000.0000000	ppb		0.00
94) Perylene-d12	11.957	264	76329	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.740	112	157758	30058.8366266	ppb		0.00
Spiked Amount 20000.000				Recovery = 150.29%			
7) Phenol-d5	3.175	99	188380	30349.6666052	ppb		0.00
Spiked Amount 20000.000				Recovery = 151.75%			
24) Nitrobenzene-d5	3.710	82	156535m	31417.3001484	ppb		0.00
Spiked Amount 10000.000				Recovery = 314.17%			
50) 2-Fluorobiphenyl	4.828	172	327473	28019.5521228	ppb		0.00
Spiked Amount 10000.000				Recovery = 280.20%			
73) 2,4,6-Tribromophenol	5.893	330	40030	36711.9598208	ppb		0.00
Spiked Amount 20000.000				Recovery = 183.56%			
87) p-Terphenyl-d14	7.845	244	360600	29247.0817353	ppb		0.00
Spiked Amount 10000.000				Recovery = 292.47%			
Target Compounds							Qvalue
2) Pyridine	2.210	79	166662	29894.4173979	ppb		100
3) N-Nitrosodimethylamine	2.199	42	78907	25331.1714229	ppb		95
5) Aniline	3.228	66	87768	30666.1270466	ppb	#	21
6) bis(2-Chloroethyl)ether	3.252	93	167703m	29396.0633812	ppb		
8) Phenol	3.181	94	199062	30156.9423564	ppb		98
10) 2-Chlorophenol	3.293	128	167459	30696.8769867	ppb		98
11) n-Decane	3.293	41	100554	27262.1829473	ppb	#	100
12) 1,3-Dichlorobenzene	3.381	146	181714	28044.3611384	ppb		99
13) 1,4-Dichlorobenzene	3.416	146	183675	28414.8902144	ppb		96
14) Benzyl Alcohol	3.469	79	124720	31658.3456118	ppb		99
15) 1,2-Dichlorobenzene	3.505	146	175099	27881.5403292	ppb		98
16) bis(2-Chloroisopropyl)...	3.540	121	61647	28780.6723560	ppb		98
17) 2,2-oxybis(1-chloropro...	3.540	121	61647	28780.6723560	ppb		98
18) 2-Methylphenol	3.516	108	150526	30596.0667961	ppb		98
19) Hexachloroethane	3.699	117	77143	28865.7035157	ppb		98
20) N-Nitrosodi-n-propylamine	3.610	70	108538	31521.0408970	ppb		98
21) 3&4-Methyl phenol	3.599	107	166101	30650.5927115	ppb		97
25) Nitrobenzene	3.722	77	159382	31629.7704116	ppb		99
26) Isophorone	3.857	82	319221	32801.1162840	ppb		91
27) 2-Nitrophenol	3.904	139	80408	36138.7503562	ppb		94
28) 2,4-Dimethylphenol	3.910	107	156274	31782.4235741	ppb		96
29) bis(2-Chlorethoxy)methane	3.969	93	204569	30233.5957475	ppb		100
30) 2,4-Dichlorophenol	4.046	162	125694	32863.6826156	ppb		98
32) 1,2,4-Trichlorobenzene	4.104	180	138967	28801.2375631	ppb		97
34) Naphthalene	4.157	128	484005	28128.6272547	ppb		99
35) 4-Chloroaniline	4.175	65	54919	32675.6461647	ppb		96
36) Hexachloro-1,3-butadiene	4.222	225	75737	29172.5927324	ppb		97
40) 4-Chloro-3-methylphenol	4.463	107	134853	34638.6550486	ppb		98
41) 2-Methylnaphthalene	4.593	142	316159	30065.4368411	ppb		100
42) 1-Methylnaphthalene	4.657	142	304694	29606.4143326	ppb		100
47) Hexachlorocyclopentadiene	4.693	237	75322	34074.3338440	ppb		99
48) 2,4,6-Trichlorophenol	4.769	196	87140	34725.8348305	ppb		100

Quantitation Report (QT Reviewed)

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Data File : 0331_08.D
Acq On : 31 Mar 2022 7:11 pm
Operator : 3545
Sample : STD SVMS 30K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 04 16:07:49 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:07:10 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

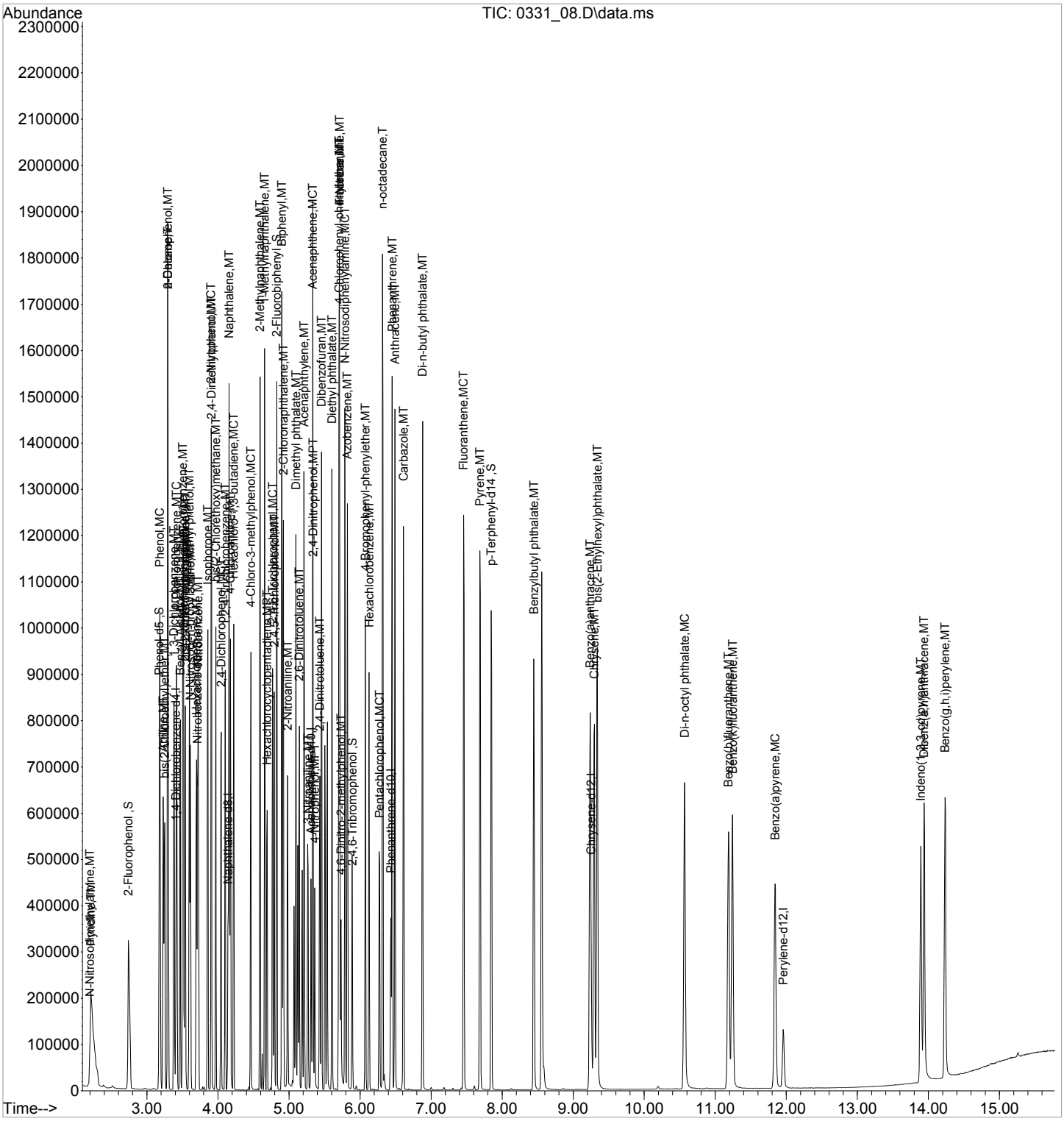
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
49)	2,4,5-Trichlorophenol	4.793	196	89614	35235.8306483 ppb		99
51)	Biphenyl	4.899	154	370899	28344.5233795 ppb		99
52)	2-Chloronaphthalene	4.922	162	290244	28880.4016682 ppb		99
53)	2-Nitroaniline	4.981	138	95458	38358.7007923 ppb		99
54)	Acenaphthylene	5.210	152	458154	30177.5291948 ppb		99
55)	Dimethyl phthalate	5.099	163	343325	31405.3999860 ppb		94
56)	2,6-Dinitrotoluene	5.146	165	79641	35496.2824813 ppb		83
57)	3-Nitroaniline	5.269	138	74618	37042.4932595 ppb	#	82
58)	Acenaphthene	5.334	153	302900	28980.0110439 ppb		98
59)	2,4-Dinitrophenol	5.340	184	25983	43826.4078457 ppb	#	52
60)	Dibenzofuran	5.457	168	402364	28734.3638947 ppb		99
61)	2,4-Dinitrotoluene	5.434	165	97371	37793.9835615 ppb		95
63)	4-Nitrophenol	5.363	139	54940	40107.1900866 ppb		98
64)	Fluorene	5.710	166	338730	29464.9250158 ppb		98
65)	4-Chlorophenyl-phenyle...	5.704	204	151460	28589.2736068 ppb		98
66)	Diethyl phthalate	5.604	149	355063	30937.0312942 ppb		99
67)	4-Nitroaniline	5.710	138	39081	27211.9905793 ppb		94
68)	Azobenzene	5.822	77	356467	31032.1721850 ppb		100
71)	4,6-Dinitro-2-methylph...	5.734	198	40447	47521.4488194 ppb		96
72)	N-Nitrosodiphenylamine	5.787	169	271452	30777.8016182 ppb		99
74)	4-Bromophenyl-phenylether	6.075	248	82403	30239.5448272 ppb		95
75)	Hexachlorobenzene	6.128	284	93062	28547.9722569 ppb		99
76)	n-octadecane	6.316	55	65192	30769.5273176 ppb		98
77)	Pentachlorophenol	6.275	266	49246	37560.7979317 ppb		99
78)	Phenanthrene	6.451	178	440824	28484.0401965 ppb		99
79)	Anthracene	6.493	178	437751	30755.2925924 ppb		98
80)	Carbazole	6.610	167	385203	31999.4175581 ppb		99
81)	Di-n-butyl phthalate	6.881	149	608371	34873.9743472 ppb		100
83)	Fluoranthene	7.457	202	461554	31933.8146061 ppb		100
86)	Pyrene	7.687	202	472544	27909.1131163 ppb		99
88)	Benzylbutyl phthalate	8.445	149	240272	38056.0281756 ppb		98
90)	Benzo(a)anthracene	9.239	228	379776	31620.6351628 ppb		99
91)	Chrysene	9.298	228	380085	28883.5511661 ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.339	149	354516	38301.5951884 ppb		98
93)	Di-n-octyl phthalate	10.569	149	549350	42584.0048156 ppb		100
95)	Benzo(b)fluoranthene	11.186	252	363170	33596.9345021 ppb		98
96)	Benzo(k)fluoranthene	11.245	252	363957	32700.0638399 ppb		99
97)	Benzo(a)pyrene	11.845	252	303156	35565.4967114 ppb		100
98)	Indeno(1,2,3-cd)pyrene	13.892	276	271655	34294.8931437 ppb		99
99)	Dibenz(a,h)anthracene	13.939	278	299709	33335.5644575 ppb		97
100)	Benzo(g,h,i)perylene	14.233	276	310410	32010.1091947 ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_08.D
Acq On : 31 Mar 2022 7:11 pm
Operator : 3545
Sample : STD SVMS 30K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 8 Sample Multiplier: 1

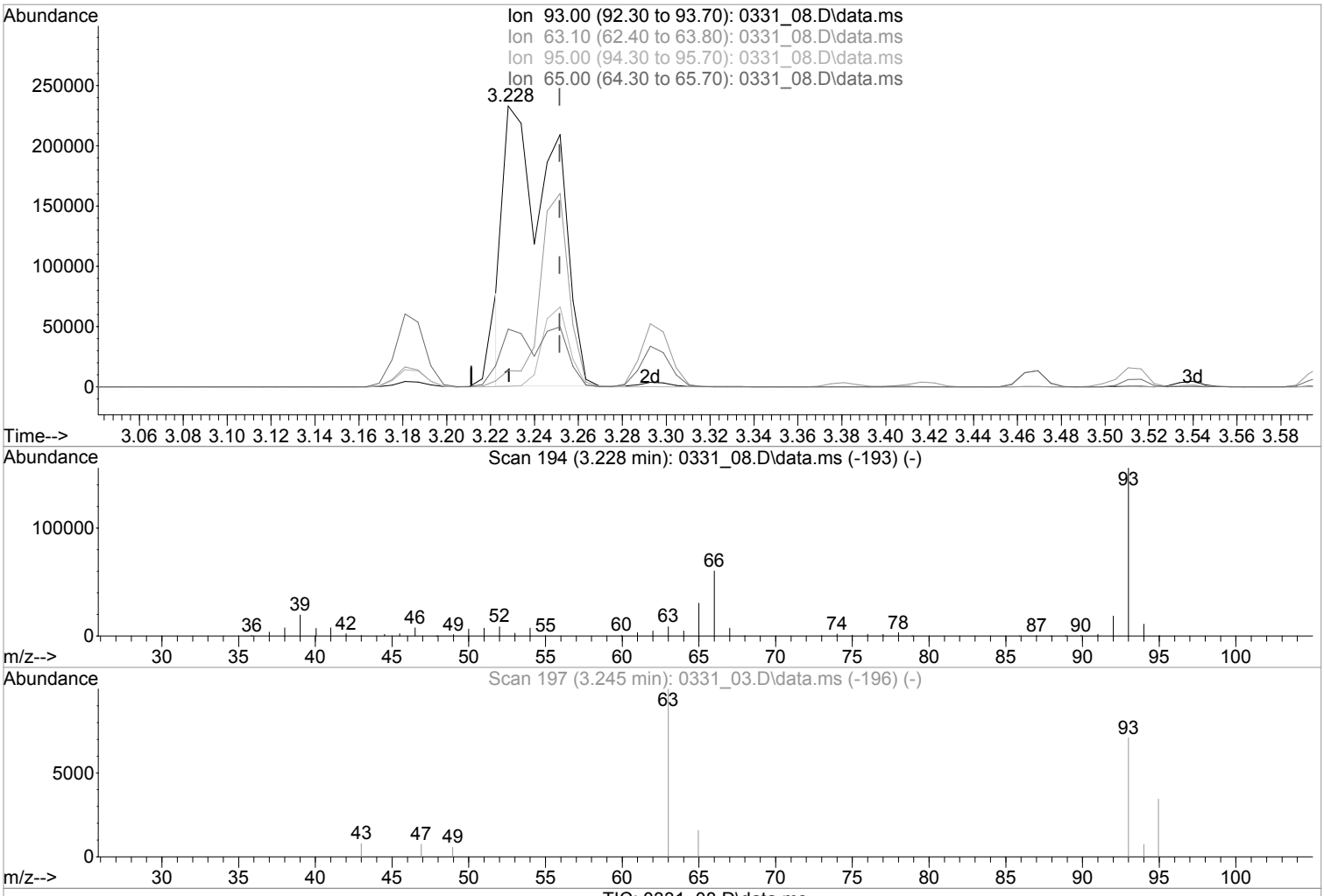
Quant Time: Apr 04 16:07:49 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:07:10 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_08.D
Acq On : 31 Mar 2022 7:11 pm
Operator : 3545
Sample : STD SVMS 30K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 04 16:07:13 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:07:10 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_08.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.228min (-0.023) 64297.1729842 ppb

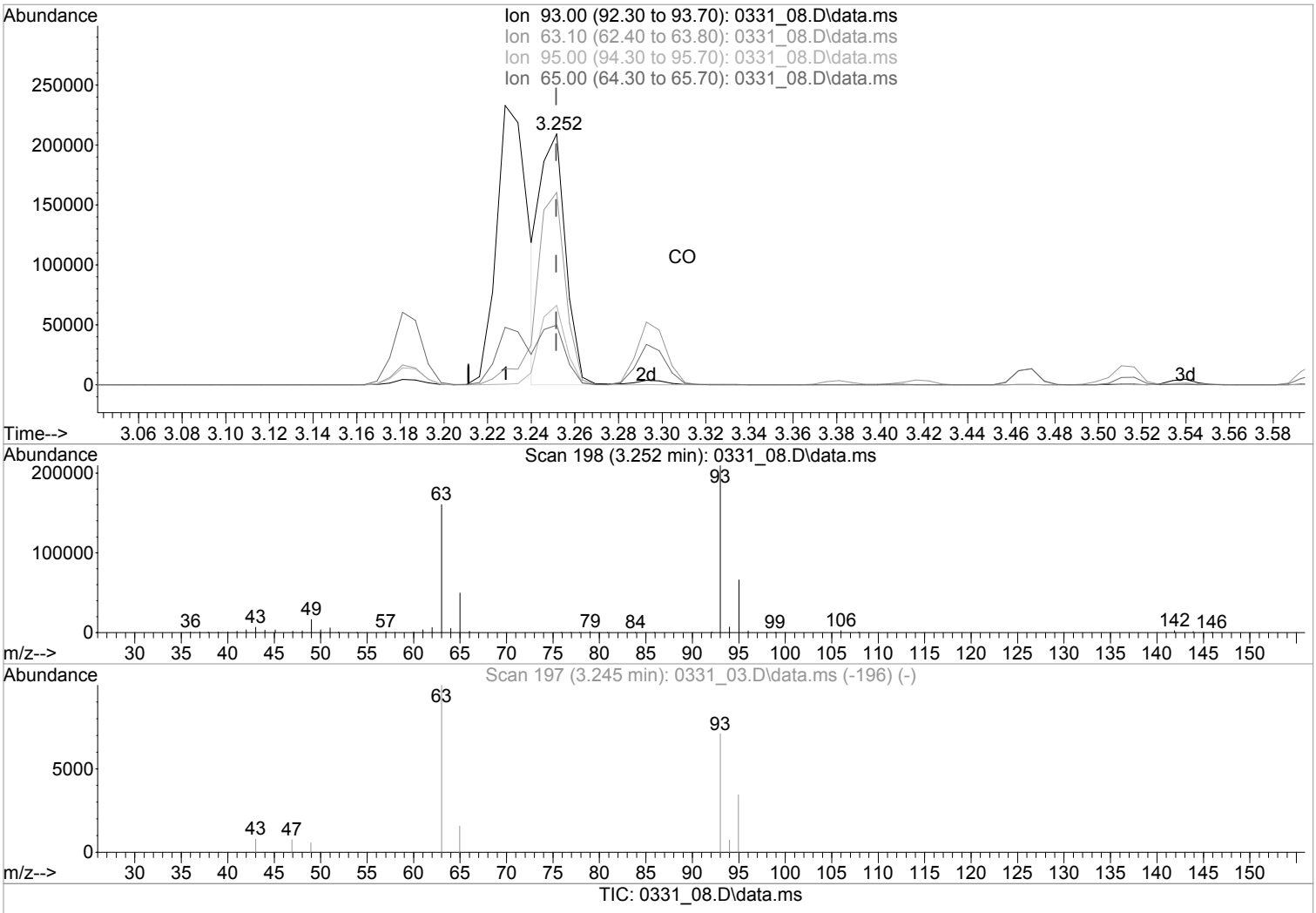
Qvalue = 37

response 366812

Ion	Exp%	Act%
93.00	100	100
63.10	76.00	4.74#
95.00	31.90	0.23#
65.00	23.10	20.00

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_08.D
Acq On : 31 Mar 2022 7:11 pm
Operator : 3545
Sample : STD SVMS 30K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 04 16:07:13 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:07:10 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_08.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.252min (+0.000) 29396.0633812 ppb m

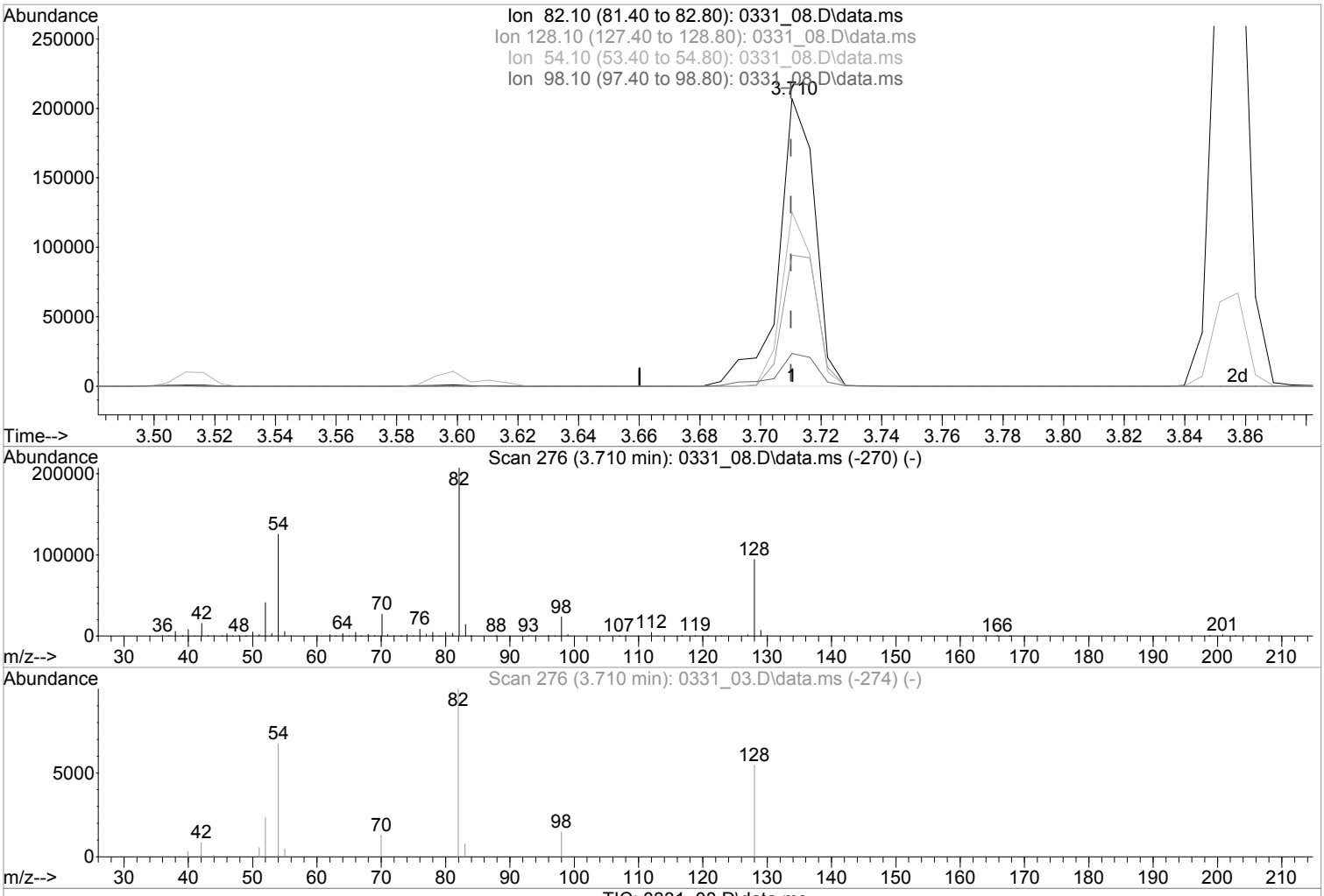
response 167703

Ion	Exp%	Act%
93.00	100	100
63.10	76.00	76.64
95.00	31.90	31.63
65.00	23.10	23.78

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_08.D
Acq On : 31 Mar 2022 7:11 pm
Operator : 3545
Sample : STD SVMS 30K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 04 16:07:13 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:07:10 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_08.D\data.ms

(24) Nitrobenzene-d5 (S)

3.710min (+0.000) 34452.1549448 ppb

Qvalue = 99

response 171656

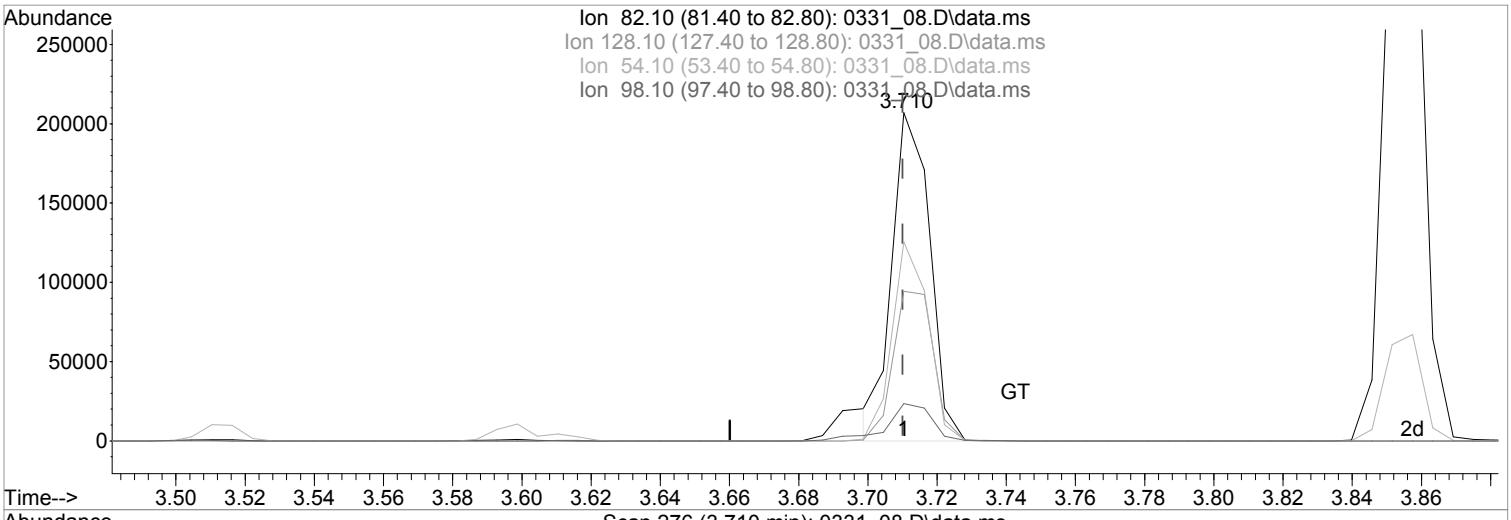
Ion	Exp%	Act%
82.10	100	100
128.10	46.80	45.54
54.10	60.00	60.63
98.10	11.40	11.35

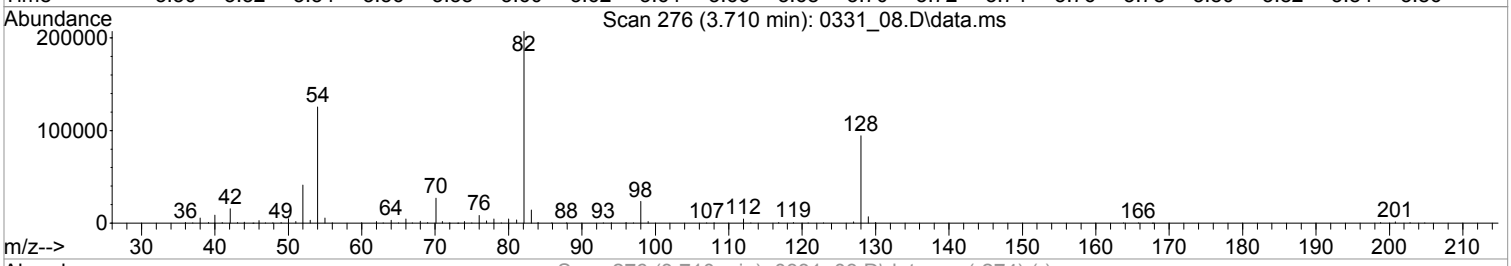
ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
Pace Analytical - Minnesota	10606395	L1488161	05/13/22 16:05	247 of 390

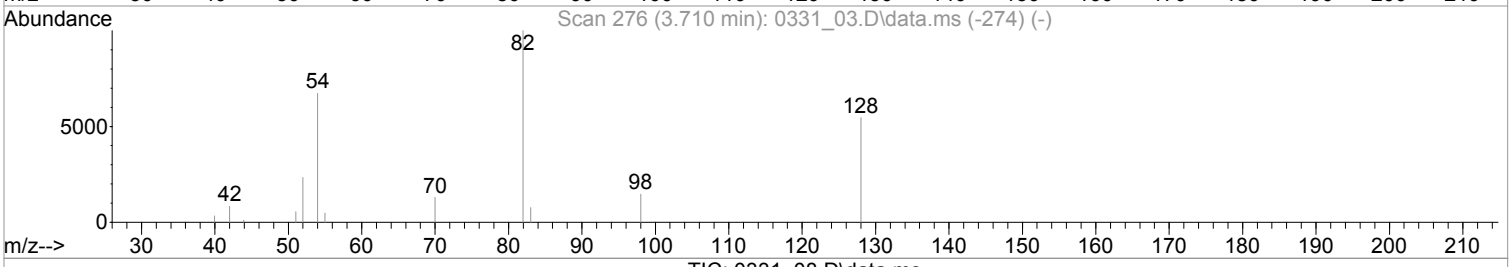
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_08.D
Acq On : 31 Mar 2022 7:11 pm
Operator : 3545
Sample : STD SVMS 30K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 04 16:07:13 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:07:10 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_08.D\data.ms

(24) Nitrobenzene-d5 (S)

3.710min (+0.000) 31417.3001484 ppb m

response 156535

Ion	Exp%	Act%
82.10	100	100
128.10	46.80	45.54
54.10	60.00	60.63
98.10	11.40	11.35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_09.D
Acq On : 31 Mar 2022 7:32 pm
Operator : 3545
Sample : STD SVMS 40K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 04 16:09:21 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:08:32 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.410	152	33061	8000.0000000 ppb		0.00
23) Naphthalene-d8	4.145	136	133057	8000.0000000 ppb		0.00
46) Acenaphthene-d10	5.310	164	71412	8000.0000000 ppb		0.00
70) Phenanthrene-d10	6.434	188	114930	8000.0000000 ppb		0.00
84) Chrysene-d12	9.251	240	88961	8000.0000000 ppb		0.00
94) Perylene-d12	11.957	264	77968	8000.0000000 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.740	112	203931	39398.3935171 ppb		0.00
Spiked Amount 20000.000				Recovery = 196.99%		
7) Phenol-d5	3.175	99	243776	39757.9207209 ppb		0.00
Spiked Amount 20000.000				Recovery = 198.79%		
24) Nitrobenzene-d5	3.710	82	206939m	41156.7993172 ppb		0.00
Spiked Amount 10000.000				Recovery = 411.57%		
50) 2-Fluorobiphenyl	4.828	172	421450	36358.0213610 ppb		0.00
Spiked Amount 10000.000				Recovery = 363.58%		
73) 2,4,6-Tribromophenol	5.892	330	52112	45093.5757565 ppb		0.00
Spiked Amount 20000.000				Recovery = 225.47%		
87) p-Terphenyl-d14	7.845	244	468126	37487.3348476 ppb		0.00
Spiked Amount 10000.000				Recovery = 374.87%		
Target Compounds						Qvalue
2) Pyridine	2.210	79	215337	39199.7597546 ppb		99
3) N-Nitrosodimethylamine	2.199	42	101884	34057.7162643 ppb		95
5) Aniline	3.228	66	113937	40229.0431035 ppb	#	20
6) bis(2-Chloroethyl)ether	3.251	93	219184m	39099.6807544 ppb		
8) Phenol	3.187	94	256473	39374.8144871 ppb		94
10) 2-Chlorophenol	3.293	128	217896	40356.4763866 ppb		98
11) n-Decane	3.293	41	127032	35472.1283692 ppb	#	98
12) 1,3-Dichlorobenzene	3.381	146	234296	37078.5499497 ppb		99
13) 1,4-Dichlorobenzene	3.422	146	235807	37329.3526295 ppb		99
14) Benzyl Alcohol	3.469	79	162508	41457.2445089 ppb		100
15) 1,2-Dichlorobenzene	3.504	146	223975	36604.1805905 ppb		98
16) bis(2-Chloroisopropyl)...	3.540	121	78759	37548.9281211 ppb		99
17) 2,2-oxybis(1-chloropro...	3.540	121	78759	37548.9281211 ppb		99
18) 2-Methylphenol	3.516	108	195561	40184.3520115 ppb		99
19) Hexachloroethane	3.698	117	99275	37916.4240494 ppb		97
20) N-Nitrosodi-n-propylamine	3.616	70	141625	41367.6274712 ppb		94
21) 3&4-Methyl phenol	3.598	107	215277	40147.0649295 ppb		97
25) Nitrobenzene	3.722	77	207934	40842.8260253 ppb		99
26) Isophorone	3.857	82	414425	41877.8923137 ppb		93
27) 2-Nitrophenol	3.904	139	106429	45894.6910183 ppb		93
28) 2,4-Dimethylphenol	3.910	107	201269	40480.4960184 ppb		97
29) bis(2-Chlorethoxy)methane	3.969	93	263088	38782.5012305 ppb		99
30) 2,4-Dichlorophenol	4.045	162	161714	41566.3970266 ppb		95
32) 1,2,4-Trichlorobenzene	4.104	180	177380	36961.8874658 ppb		97
34) Naphthalene	4.157	128	612175m	35905.5101669 ppb		
35) 4-Chloroaniline	4.175	65	72463	42304.5815986 ppb		93
36) Hexachloro-1,3-butadiene	4.222	225	96557	37316.3930938 ppb		98
40) 4-Chloro-3-methylphenol	4.463	107	178473	44634.5178058 ppb		95
41) 2-Methylnaphthalene	4.592	142	405791	38526.0570869 ppb		99
42) 1-Methylnaphthalene	4.657	142	392103	38134.7387840 ppb		100
47) Hexachlorocyclopentadiene	4.692	237	99377	43836.3485368 ppb		100
48) 2,4,6-Trichlorophenol	4.769	196	115768	44826.2313232 ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_09.D
Acq On : 31 Mar 2022 7:32 pm
Operator : 3545
Sample : STD SVMS 40K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 04 16:09:21 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:08:32 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

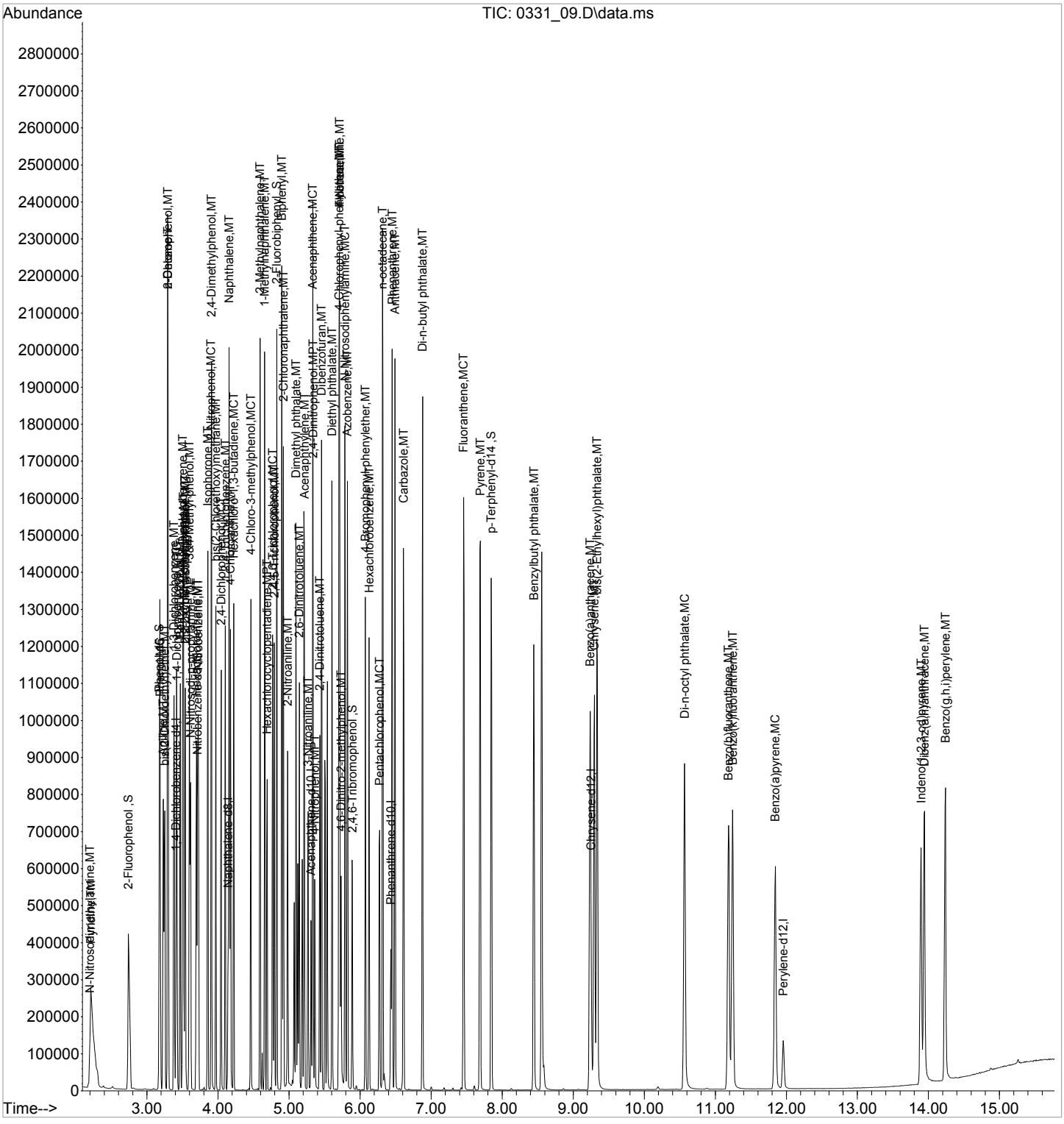
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	2,4,5-Trichlorophenol	4.792	196	119302	45453.5255064	ppb		96
51)	Biphenyl	4.898	154	480393	36947.6299186	ppb		99
52)	2-Chloronaphthalene	4.922	162	373851	37326.0436365	ppb		98
53)	2-Nitroaniline	4.981	138	127833	48518.5215917	ppb		99
54)	Acenaphthylene	5.216	152	592569	38881.8295975	ppb		99
55)	Dimethyl phthalate	5.098	163	444091	40193.5954557	ppb		92
56)	2,6-Dinitrotoluene	5.145	165	103807	44504.8915003	ppb		87
57)	3-Nitroaniline	5.269	138	96588	45668.5841609	ppb		87
58)	Acenaphthene	5.334	153	388931	37316.7229950	ppb		99
59)	2,4-Dinitrophenol	5.339	184	36205	54603.2195077	ppb	#	61
60)	Dibenzofuran	5.457	168	518647	37194.8213715	ppb		99
61)	2,4-Dinitrotoluene	5.434	165	127967	47082.0688130	ppb		92
63)	4-Nitrophenol	5.363	139	72385	49365.8107588	ppb		89
64)	Fluorene	5.710	166	434013	37758.1780561	ppb		99
65)	4-Chlorophenyl-phenyle...	5.704	204	192964	36606.8438369	ppb		98
66)	Diethyl phthalate	5.604	149	453615	39207.5189475	ppb		99
67)	4-Nitroaniline	5.710	138	53281	37694.5684669	ppb		94
68)	Azobenzene	5.822	77	456869	39433.4676522	ppb		99
71)	4,6-Dinitro-2-methylph...	5.734	198	55654	57714.6966225	ppb		89
72)	N-Nitrosodiphenylamine	5.787	169	350165	38968.2162355	ppb		99
74)	4-Bromophenyl-phenylether	6.075	248	105898	38256.7651444	ppb		98
75)	Hexachlorobenzene	6.128	284	118963	36265.8792912	ppb		99
76)	n-octadecane	6.316	55	83858	38849.3842584	ppb		99
77)	Pentachlorophenol	6.275	266	66534	47058.4196872	ppb		99
78)	Phenanthrene	6.451	178	568662	36528.3050546	ppb		99
79)	Anthracene	6.492	178	571694	39427.9021495	ppb		98
80)	Carbazole	6.610	167	491734	39824.5607550	ppb		99
81)	Di-n-butyl phthalate	6.881	149	777001	42748.1261335	ppb		100
83)	Fluoranthene	7.457	202	603883	40747.9721884	ppb		100
86)	Pyrene	7.692	202	623307	36620.5339470	ppb		100
88)	Benzylbutyl phthalate	8.445	149	321842	47972.5534686	ppb		99
90)	Benzo(a)anthracene	9.239	228	501256	40668.1622367	ppb		99
91)	Chrysene	9.298	228	495769	37273.1327916	ppb		100
92)	bis(2-Ethylhexyl)phtha...	9.333	149	468790	47601.6976177	ppb		99
93)	Di-n-octyl phthalate	10.569	149	733280	52235.2983621	ppb		100
95)	Benzo(b)fluoranthene	11.186	252	474283	42112.1585885	ppb		98
96)	Benzo(k)fluoranthene	11.245	252	481495	41725.0907736	ppb		99
97)	Benzo(a)pyrene	11.845	252	399588	44516.7656301	ppb		99
98)	Indeno(1,2,3-cd)pyrene	13.898	276	354988	42850.6886914	ppb		96
99)	Dibenz(a,h)anthracene	13.945	278	390368	41733.1534265	ppb		100
100)	Benzo(g,h,i)perylene	14.239	276	403531	40288.2616536	ppb		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_09.D
Acq On : 31 Mar 2022 7:32 pm
Operator : 3545
Sample : STD SVMS 40K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 9 Sample Multiplier: 1

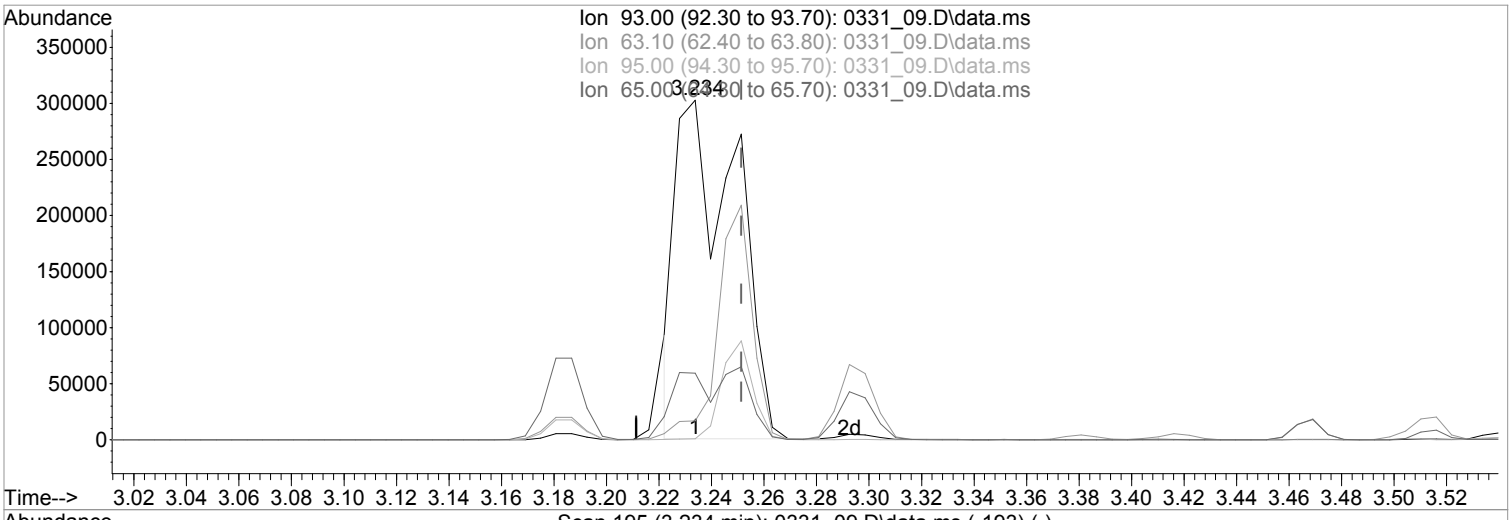
Quant Time: Apr 04 16:09:21 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:08:32 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

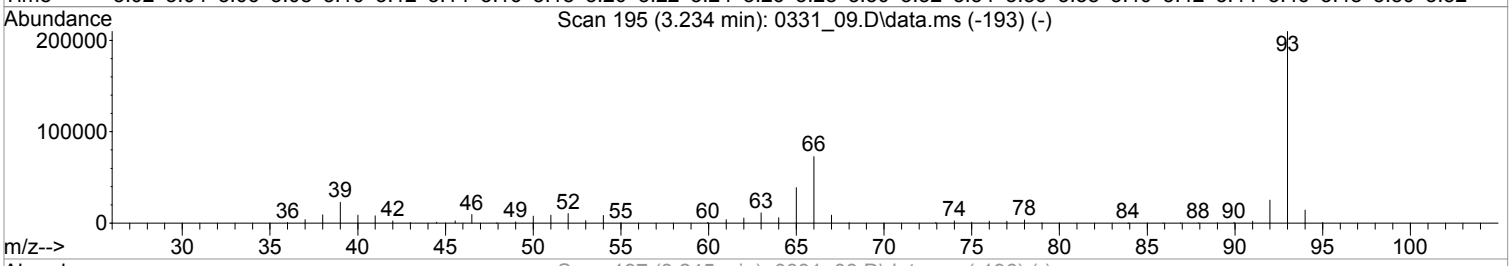


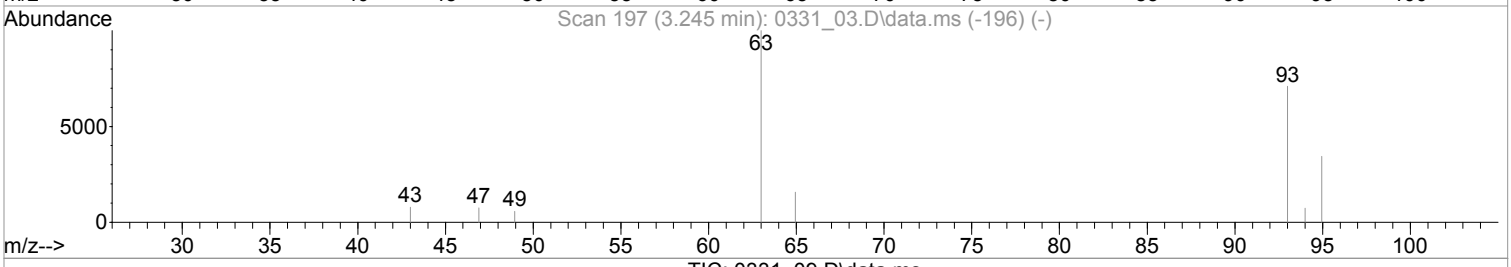
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_09.D
Acq On : 31 Mar 2022 7:32 pm
Operator : 3545
Sample : STD SVMS 40K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 04 16:08:34 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:08:32 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_09.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.234min (-0.018) 85884.8291794 ppb

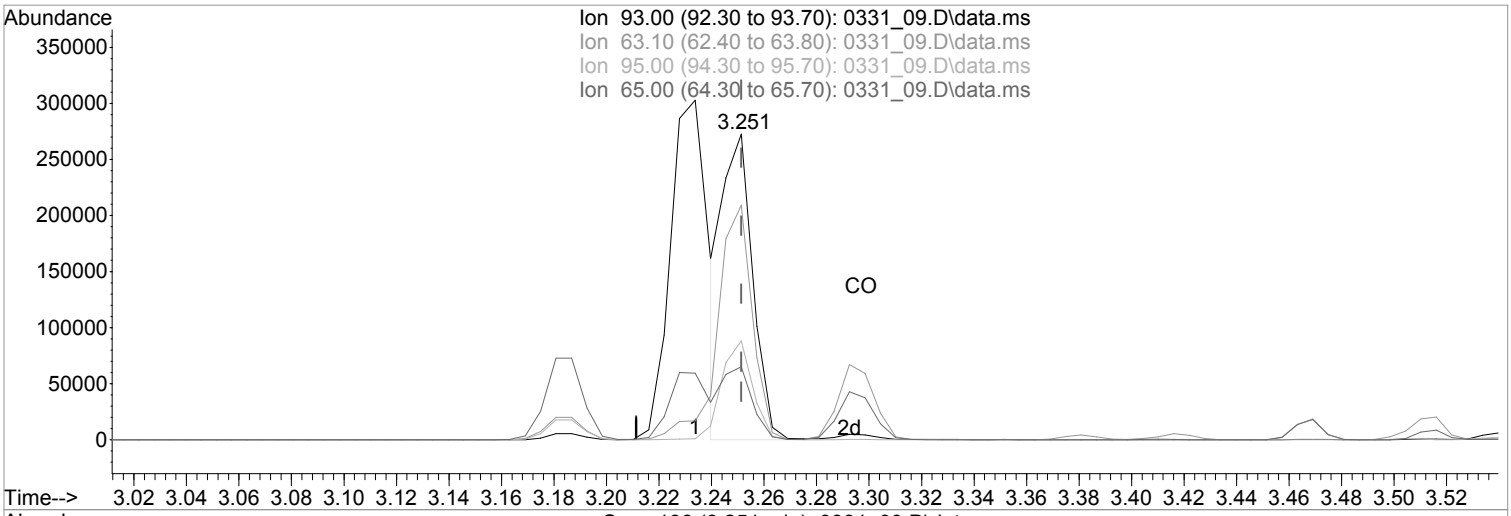
Qvalue = 36

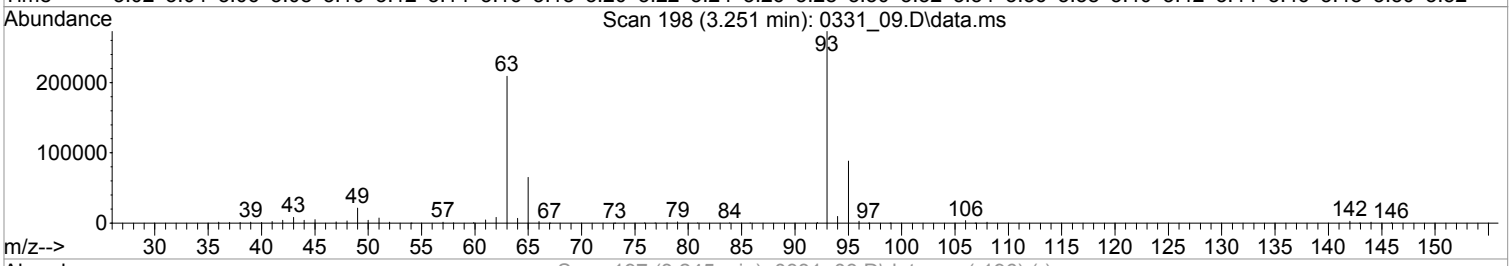
response 481451

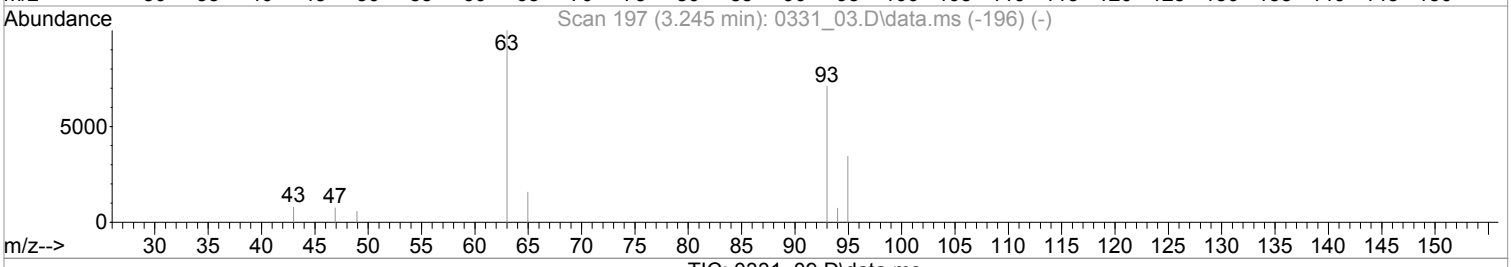
Ion	Exp%	Act%
93.00	100	100
63.10	76.00	4.59#
95.00	31.90	0.31#
65.00	23.10	19.03

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_09.D
Acq On : 31 Mar 2022 7:32 pm
Operator : 3545
Sample : STD SVMS 40K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 04 16:08:34 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:08:32 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_09.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.251min (-0.000) 39099.6807544 ppb m

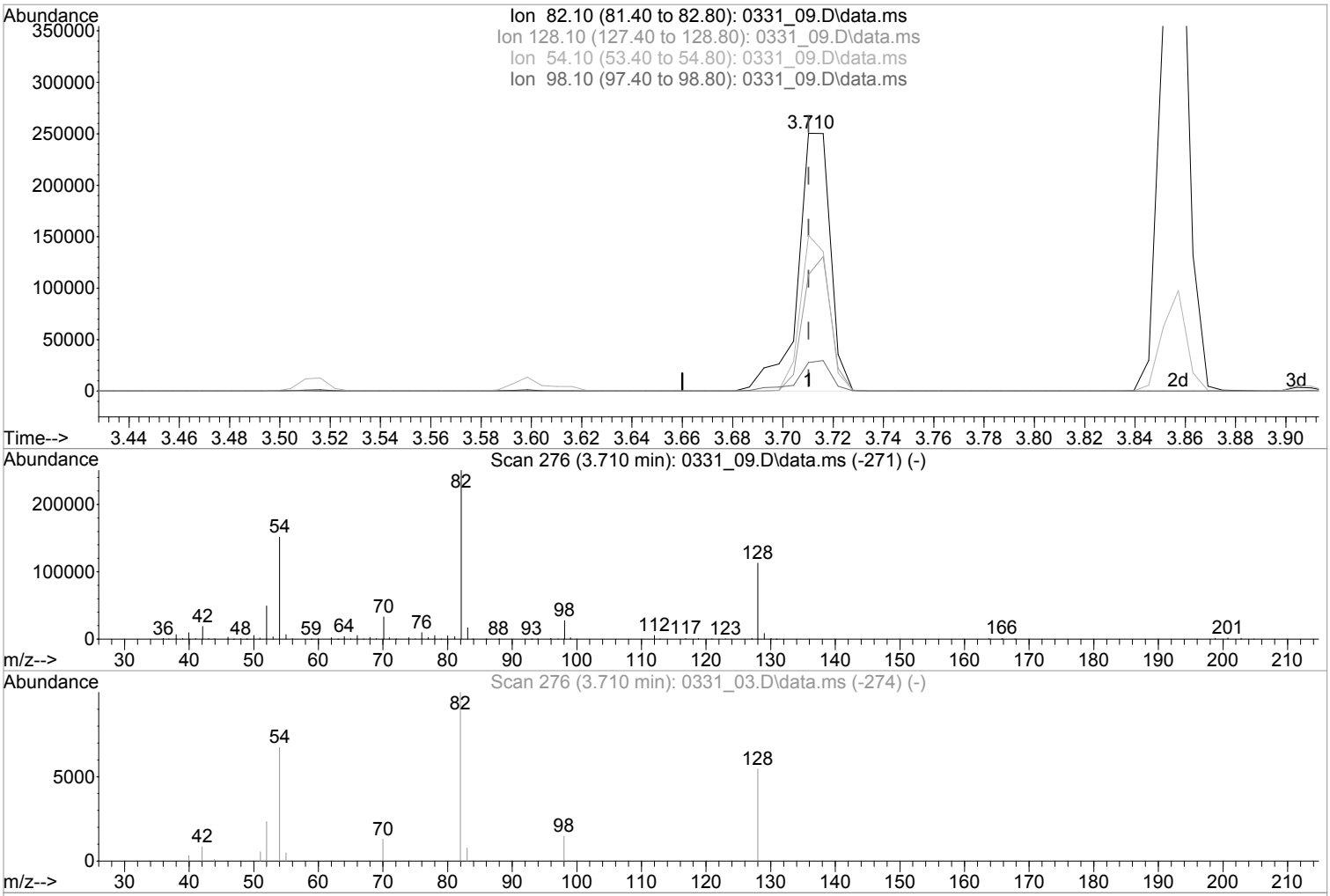
response 219184

Ion	Exp%	Act%
93.00	100	100
63.10	76.00	76.70
95.00	31.90	32.33
65.00	23.10	23.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_09.D
Acq On : 31 Mar 2022 7:32 pm
Operator : 3545
Sample : STD SVMS 40K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 04 16:08:34 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:08:32 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_09.D\data.ms

(24) Nitrobenzene-d5 (S)

3.710min (-0.000) 44885.2725233 ppb

Qvalue = 99

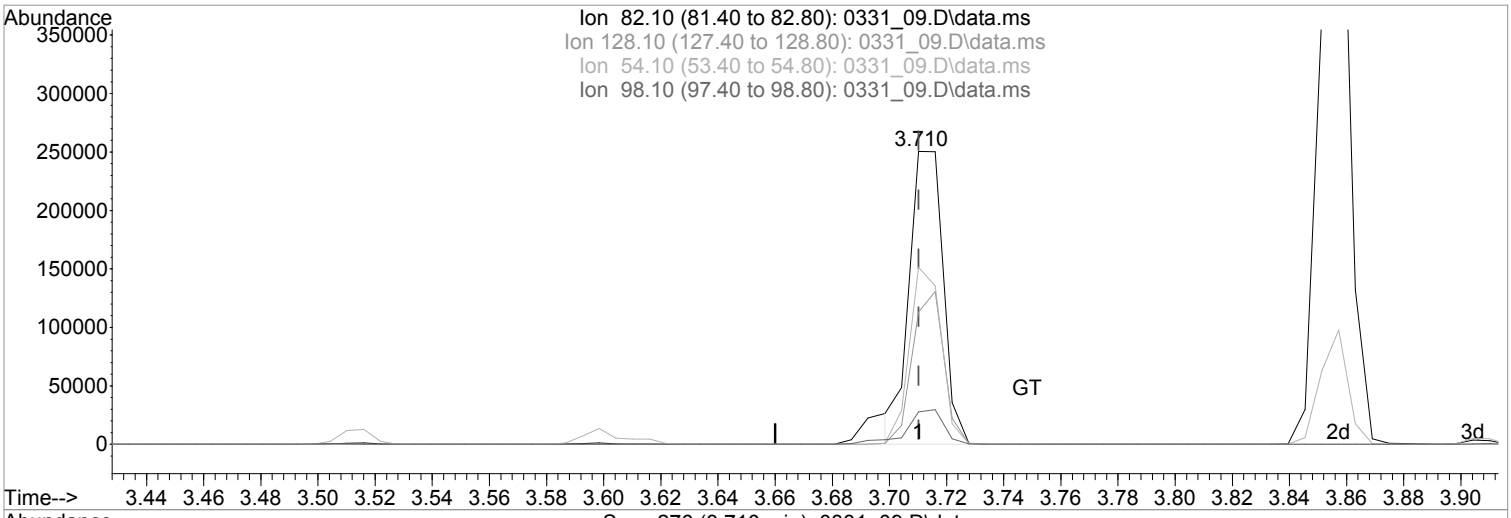
response 225686

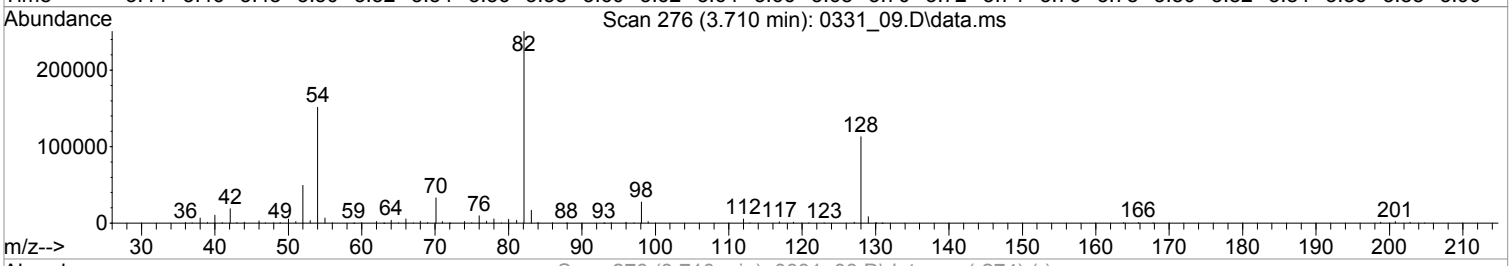
Ion	Exp%	Act%
82.10	100	100
128.10	46.80	45.16
54.10	60.00	60.49
98.10	11.40	11.07

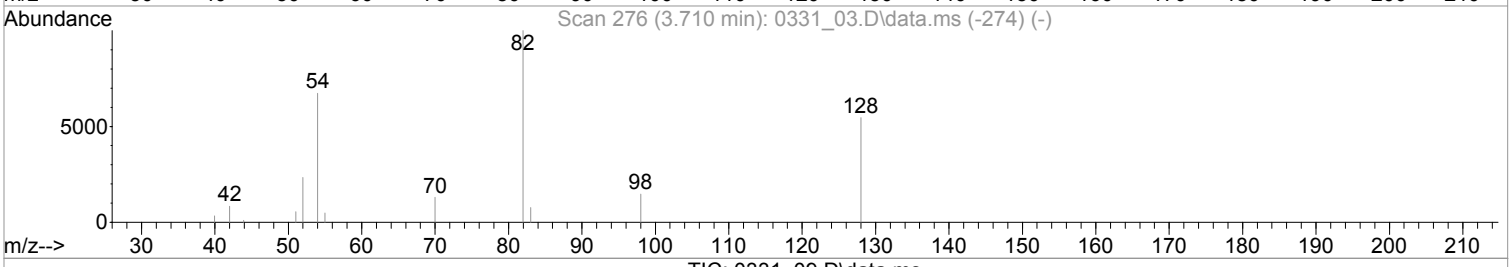
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_09.D
Acq On : 31 Mar 2022 7:32 pm
Operator : 3545
Sample : STD SVMS 40K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 04 16:08:34 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:08:32 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_09.D\data.ms

(24) Nitrobenzene-d5 (S)

3.710min (-0.000) 41156.7993172 ppb m

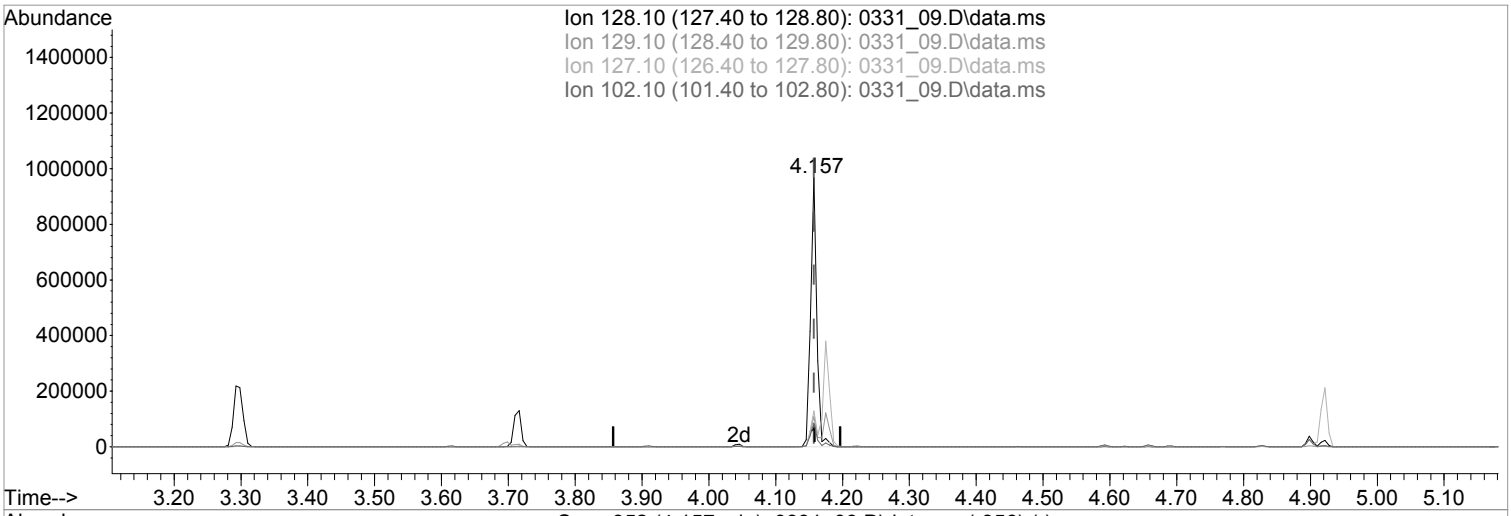
response 206939

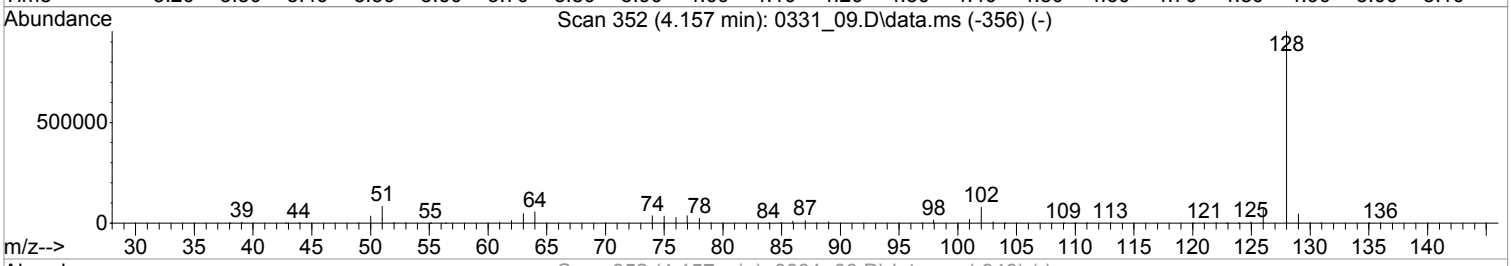
Ion	Exp%	Act%
82.10	100	100
128.10	46.80	45.16
54.10	60.00	60.49
98.10	11.40	11.07

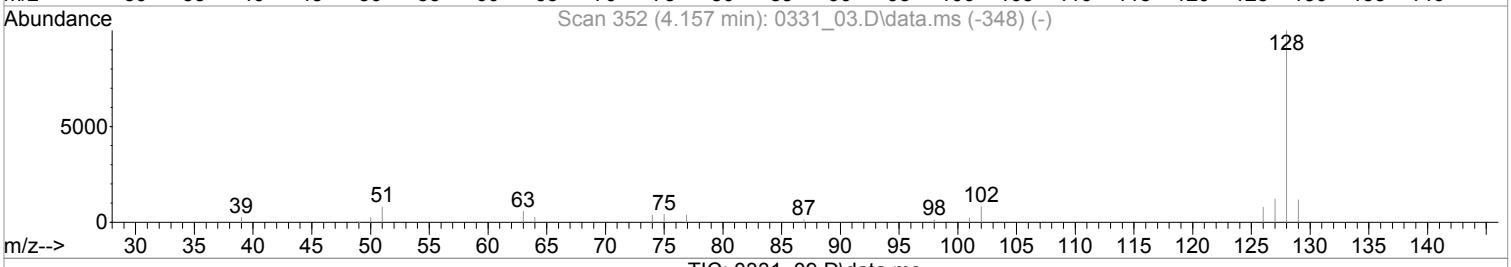
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_09.D
Acq On : 31 Mar 2022 7:32 pm
Operator : 3545
Sample : STD SVMS 40K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 04 16:08:34 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:08:32 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_09.D\data.ms

(34) Naphthalene (MT)

4.157min (-0.000) 36849.7545549 ppb

Qvalue = 99

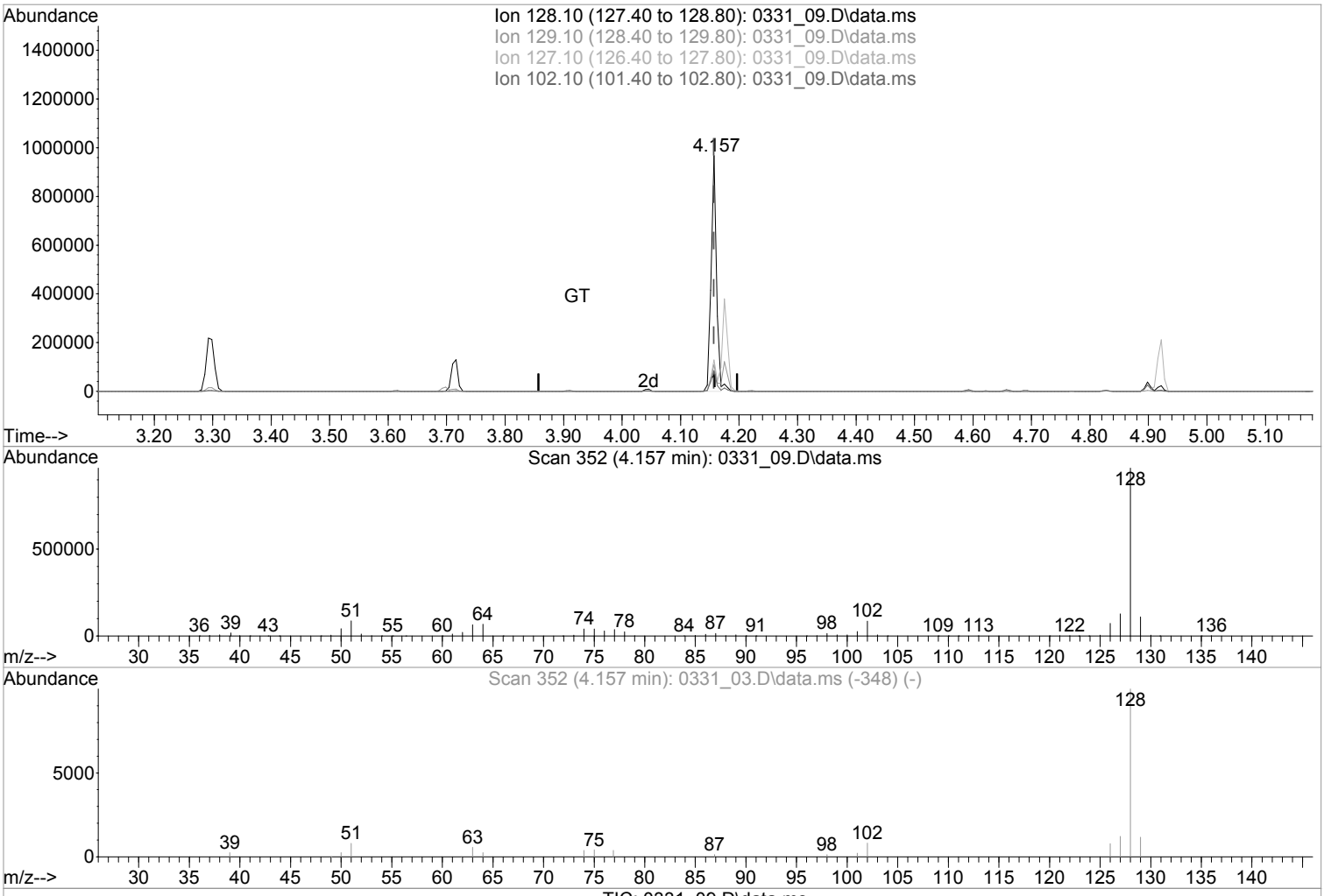
response 628274

Ion	Exp%	Act%
128.10	100	100
129.10	10.90	11.30
127.10	12.80	13.27
102.10	8.30	8.84

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_09.D
Acq On : 31 Mar 2022 7:32 pm
Operator : 3545
Sample : STD SVMS 40K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 04 16:08:34 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:08:32 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_09.D\data.ms

(34) Naphthalene (MT)

4.157min (-0.000) 35905.5101669 ppb m

response 612175

Ion	Exp%	Act%
128.10	100	100
129.10	10.90	11.30
127.10	12.80	13.27
102.10	8.30	8.84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_10.D
Acq On : 31 Mar 2022 7:53 pm
Operator : 3545
Sample : STD SVMS 50K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 04 16:10:49 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:10:00 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.410	152	33286	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.145	136	137379	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.310	164	72853	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.434	188	116755	8000.0000000	ppb		0.00
84) Chrysene-d12	9.257	240	89872	8000.0000000	ppb		0.01
94) Perylene-d12	11.957	264	80041	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.740	112	264507	50865.2212692	ppb		0.00
Spiked Amount 20000.000				Recovery = 254.33%			
7) Phenol-d5	3.175	99	314531	50994.8347848	ppb		0.00
Spiked Amount 20000.000				Recovery = 254.97%			
24) Nitrobenzene-d5	3.716	82	265314m	50896.3023359	ppb		0.00
Spiked Amount 10000.000				Recovery = 508.96%			
50) 2-Fluorobiphenyl	4.828	172	542476	46477.6781496	ppb		0.00
Spiked Amount 10000.000				Recovery = 464.78%			
73) 2,4,6-Tribromophenol	5.892	330	68453	57096.1272770	ppb		0.00
Spiked Amount 20000.000				Recovery = 285.48%			
87) p-Terphenyl-d14	7.851	244	598918	47904.8278187	ppb		0.00
Spiked Amount 10000.000				Recovery = 479.05%			
Target Compounds							Qvalue
2) Pyridine	2.210	79	278007	50410.1333313	ppb		99
3) N-Nitrosodimethylamine	2.199	42	130731	44346.4125409	ppb		94
5) Aniline	3.234	66	145606	51021.5276676	ppb	#	20
6) bis(2-Chloroethyl)ether	3.251	93	282472m	50210.3023281	ppb		
8) Phenol	3.187	94	331731	50697.6796332	ppb		94
10) 2-Chlorophenol	3.293	128	278445	51157.0179990	ppb		99
11) n-Decane	3.293	41	162108	45699.6951523	ppb	#	99
12) 1,3-Dichlorobenzene	3.381	146	298942	47484.7663177	ppb		98
13) 1,4-Dichlorobenzene	3.416	146	300039	47630.8185250	ppb		96
14) Benzyl Alcohol	3.469	79	210910	53164.6348947	ppb		100
15) 1,2-Dichlorobenzene	3.504	146	285067	46841.6039443	ppb		98
16) bis(2-Chloroisopropyl)...	3.540	121	101326	48405.0979156	ppb		97
17) 2,2-oxybis(1-chloropro...	3.540	121	101326	48405.0979156	ppb		97
18) 2-Methylphenol	3.516	108	247855	50552.3018914	ppb		97
19) Hexachloroethane	3.698	117	128718	49195.4518813	ppb		97
20) N-Nitrosodi-n-propylamine	3.616	70	184502	53267.2220924	ppb		96
21) 3&4-Methyl phenol	3.598	107	275858	51070.2615719	ppb		97
25) Nitrobenzene	3.728	77	266900	50623.3549262	ppb		92
26) Isophorone	3.857	82	534310	51945.3365587	ppb		94
27) 2-Nitrophenol	3.910	139	138474	56448.2096839	ppb		83
28) 2,4-Dimethylphenol	3.910	107	256556	49891.1889295	ppb		97
29) bis(2-Chlorethoxy)methane	3.969	93	337131	48344.0868992	ppb		98
30) 2,4-Dichlorophenol	4.045	162	210856	52200.5777632	ppb		95
32) 1,2,4-Trichlorobenzene	4.104	180	227453	46408.3958517	ppb		98
34) Naphthalene	4.157	128	788352m	45448.6219591	ppb		
35) 4-Chloroaniline	4.175	65	95090	53256.5383024	ppb		92
36) Hexachloro-1,3-butadiene	4.222	225	121864	46056.5273806	ppb		98
40) 4-Chloro-3-methylphenol	4.463	107	230866	55010.5698340	ppb		96
41) 2-Methylnaphthalene	4.592	142	523350	48378.6737429	ppb		99
42) 1-Methylnaphthalene	4.657	142	504378	47829.6186952	ppb		100
47) Hexachlorocyclopentadiene	4.692	237	129995	55448.3866010	ppb		98
48) 2,4,6-Trichlorophenol	4.769	196	150352	56098.9471818	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_10.D
Acq On : 31 Mar 2022 7:53 pm
Operator : 3545
Sample : STD SVMS 50K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 04 16:10:49 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:10:00 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

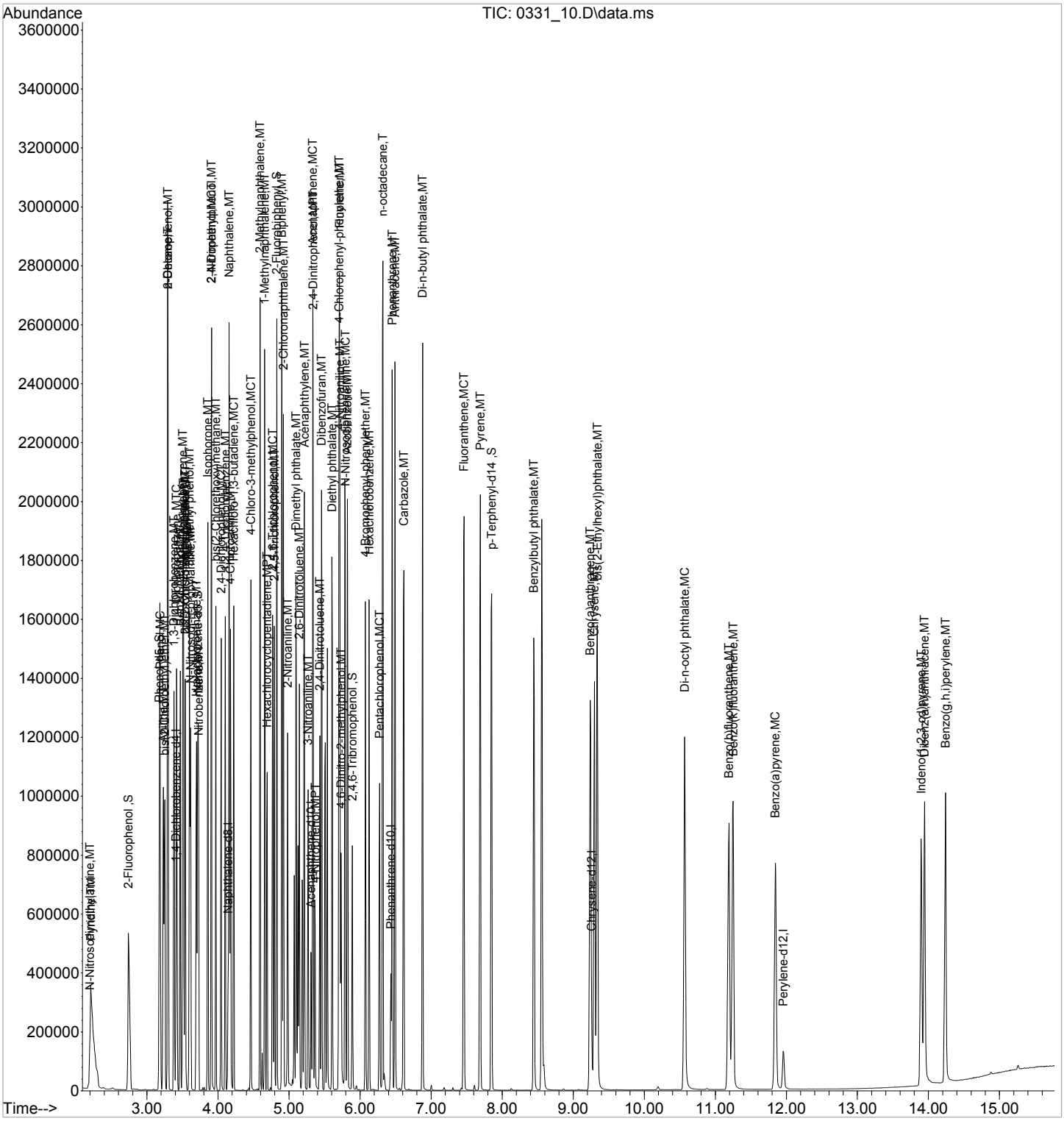
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	2,4,5-Trichlorophenol	4.792	196	156604	57367.9164041	ppb		96
51)	Biphenyl	4.898	154	622475	47445.6021582	ppb		99
52)	2-Chloronaphthalene	4.922	162	482181	47644.7044791	ppb		98
53)	2-Nitroaniline	4.981	138	165837	59582.9836669	ppb		98
54)	Acenaphthylene	5.216	152	755128	48762.9428449	ppb		100
55)	Dimethyl phthalate	5.098	163	561198	49753.6083527	ppb		90
56)	2,6-Dinitrotoluene	5.145	165	134010	55279.7104365	ppb		90
57)	3-Nitroaniline	5.269	138	123042	55709.9964627	ppb		92
58)	Acenaphthene	5.334	153	499015	47386.0236386	ppb		99
59)	2,4-Dinitrophenol	5.339	184	50832	70033.2715714	ppb	#	80
60)	Dibenzofuran	5.457	168	655054	46514.0746116	ppb		99
61)	2,4-Dinitrotoluene	5.434	165	167787	58777.2992537	ppb		88
63)	4-Nitrophenol	5.369	139	95099	61185.9537290	ppb		93
64)	Fluorene	5.710	166	550987	47365.7672850	ppb		98
65)	4-Chlorophenyl-phenyle...	5.704	204	245888	46285.2052677	ppb		97
66)	Diethyl phthalate	5.604	149	571768	48579.8844394	ppb		98
67)	4-Nitroaniline	5.716	138	69559	48705.2165231	ppb		94
68)	Azobenzene	5.822	77	585843	49665.8520799	ppb		99
71)	4,6-Dinitro-2-methylph...	5.734	198	76313	72546.8457901	ppb		83
72)	N-Nitrosodiphenylamine	5.792	169	449103	49379.3048872	ppb		99
74)	4-Bromophenyl-phenylether	6.075	248	136813	48957.3690334	ppb		98
75)	Hexachlorobenzene	6.128	284	151571	46098.9591670	ppb		98
76)	n-octadecane	6.322	55	105949	48515.7513457	ppb		99
77)	Pentachlorophenol	6.275	266	88723	59665.7277510	ppb		97
78)	Phenanthrene	6.451	178	723203	46303.2942577	ppb		98
79)	Anthracene	6.492	178	732119	49804.4207366	ppb		98
80)	Carbazole	6.616	167	639932	51048.7019619	ppb		100
81)	Di-n-butyl phthalate	6.881	149	1004284	53860.2373075	ppb		99
83)	Fluoranthene	7.463	202	773416	51234.8738508	ppb		99
86)	Pyrene	7.692	202	788011	46387.8040121	ppb		99
88)	Benzylbutyl phthalate	8.445	149	420027	60257.2779756	ppb		100
90)	Benzo(a)anthracene	9.239	228	649552	52041.4055443	ppb		98
91)	Chrysene	9.298	228	642927	48317.4143460	ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.339	149	610913	59781.2931036	ppb		99
93)	Di-n-octyl phthalate	10.569	149	964940	65192.1281284	ppb		100
95)	Benzo(b)fluoranthene	11.192	252	615009	52794.8465110	ppb		99
96)	Benzo(k)fluoranthene	11.251	252	625919	52512.1784771	ppb		98
97)	Benzo(a)pyrene	11.845	252	526182	56195.4572647	ppb		98
98)	Indeno(1,2,3-cd)pyrene	13.898	276	454752	52932.6248519	ppb		99
99)	Dibenz(a,h)anthracene	13.945	278	498154	51557.8237309	ppb		98
100)	Benzo(g,h,i)perylene	14.239	276	507520	49307.3651933	ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_10.D
Acq On : 31 Mar 2022 7:53 pm
Operator : 3545
Sample : STD SVMS 50K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 10 Sample Multiplier: 1

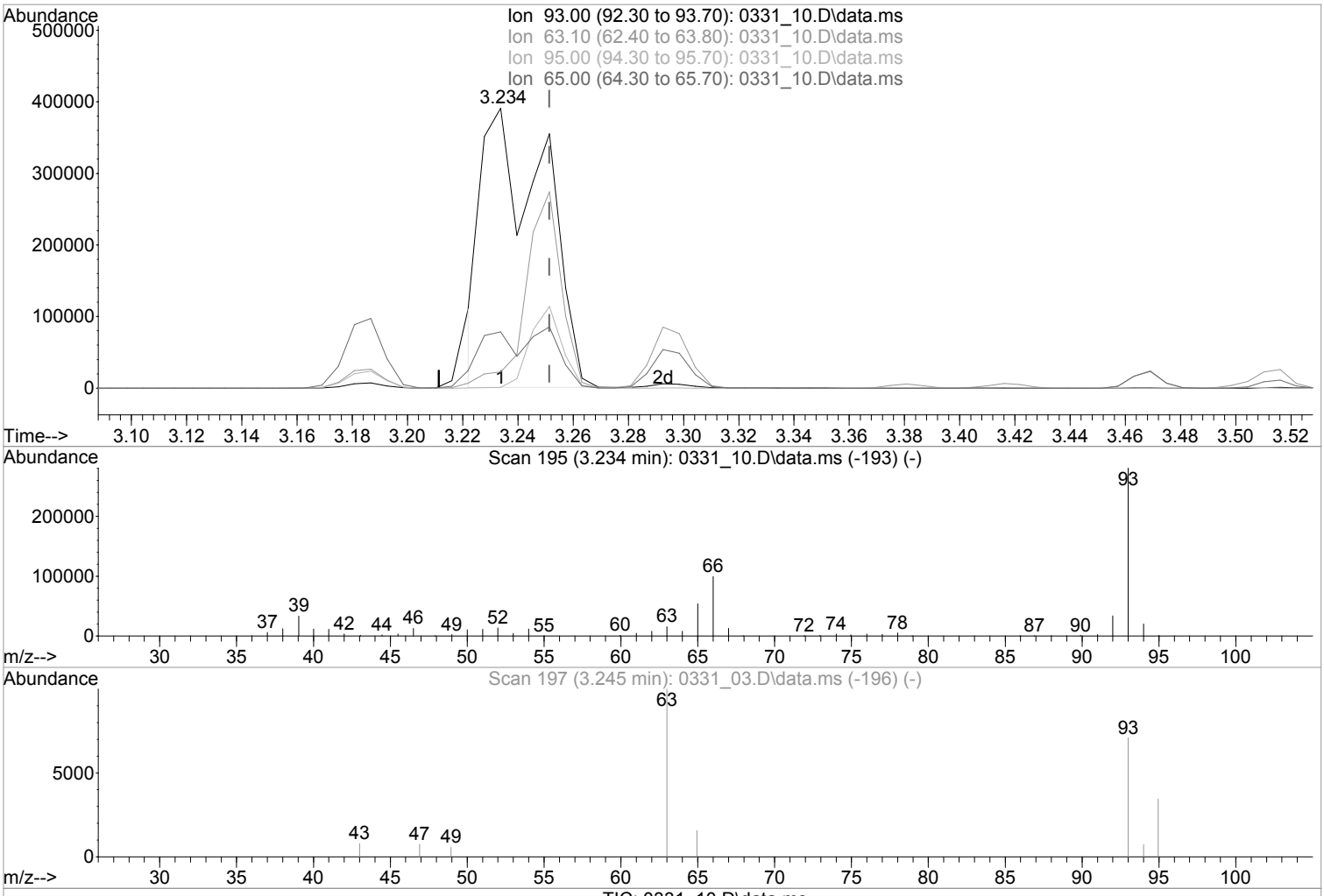
Quant Time: Apr 04 16:10:49 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:10:00 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_10.D
Acq On : 31 Mar 2022 7:53 pm
Operator : 3545
Sample : STD SVMS 50K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 04 16:10:03 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:10:00 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_10.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.234min (-0.018) 109615.2445090 ppb

Qvalue = 37

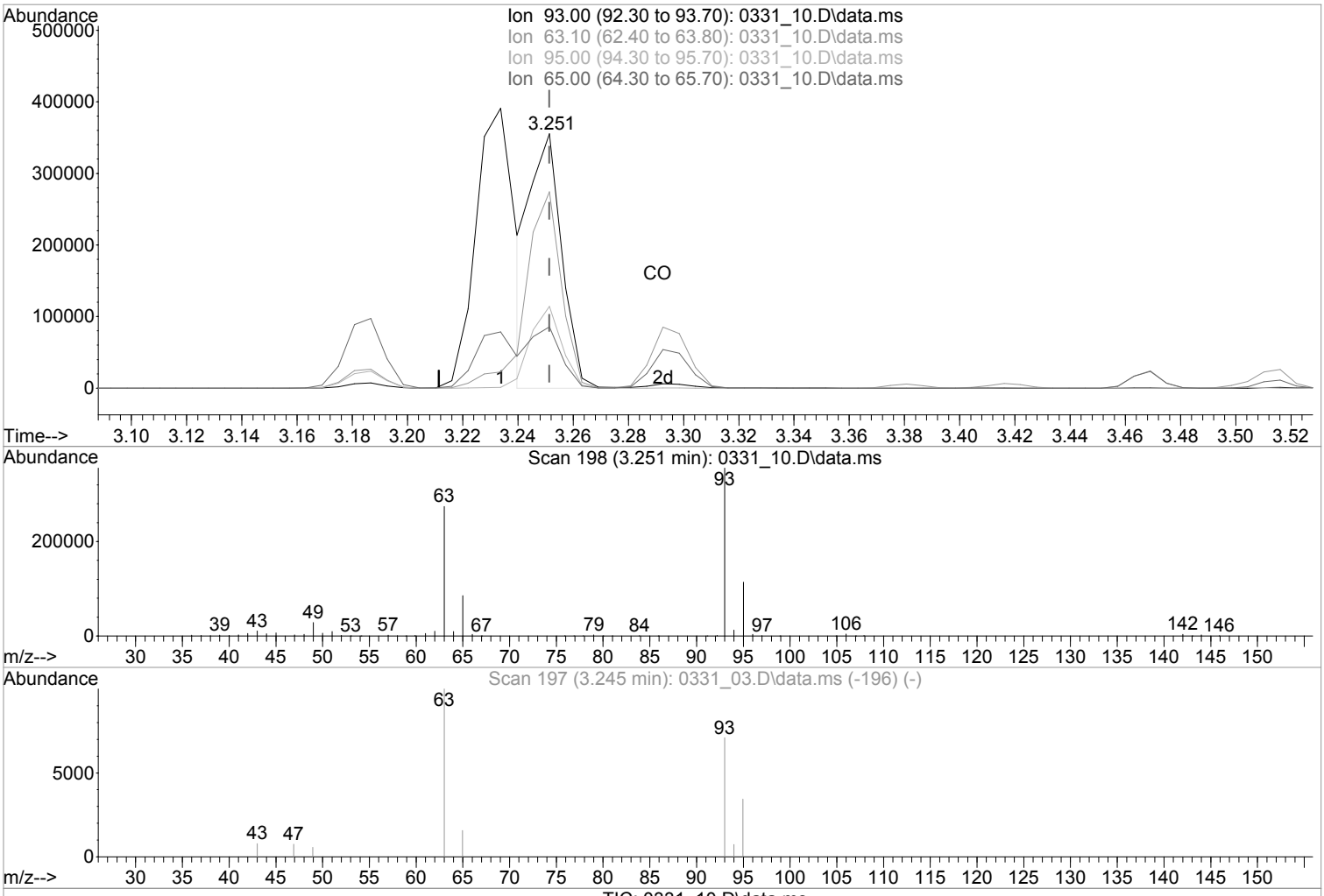
response 616671

Ion	Exp%	Act%
93.00	100	100
63.10	76.00	4.88#
95.00	31.90	0.29#
65.00	23.10	19.61

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_10.D
Acq On : 31 Mar 2022 7:53 pm
Operator : 3545
Sample : STD SVMS 50K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 04 16:10:03 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:10:00 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_10.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

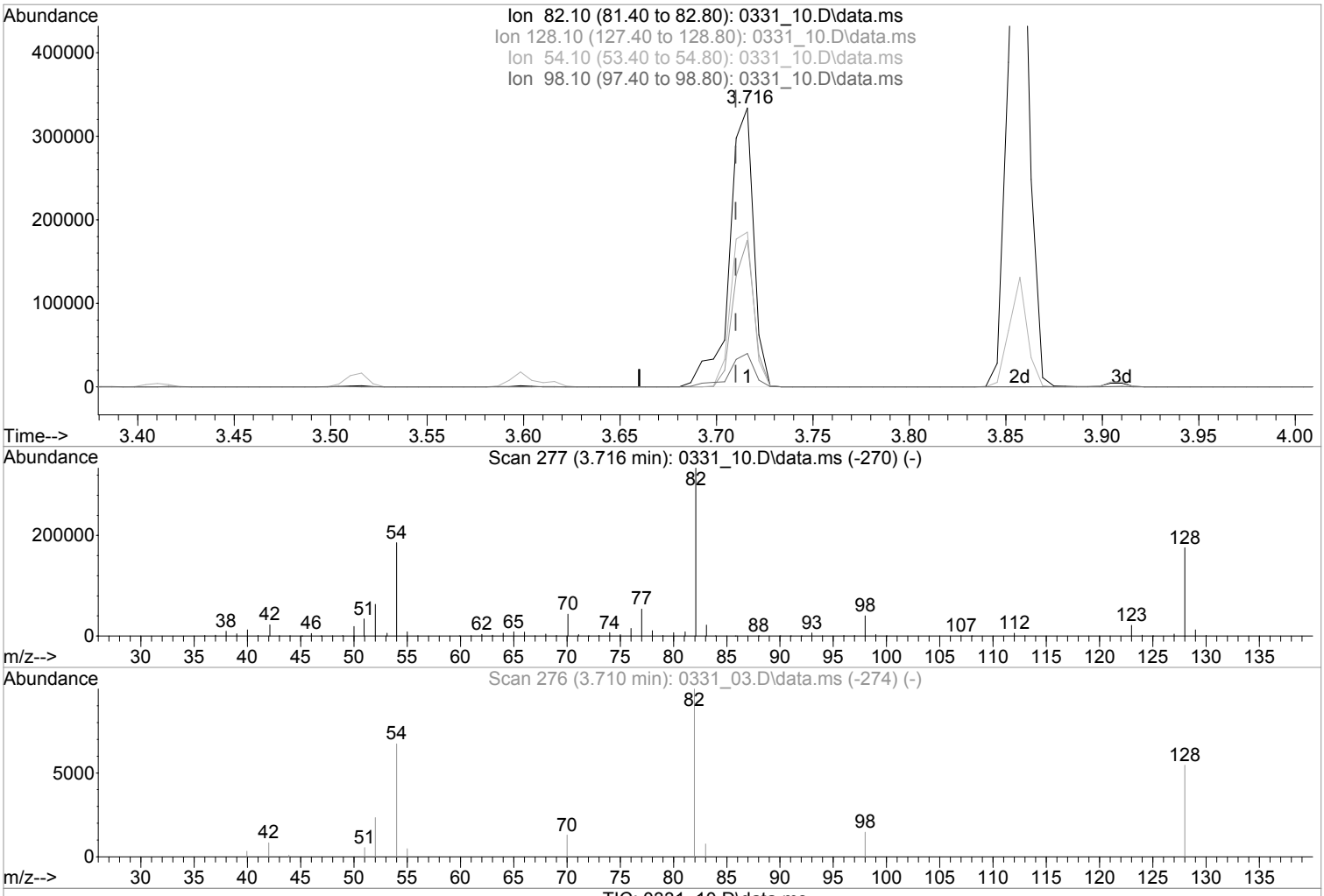
3.251min (-0.000) 50210.3023281 ppb m

response 282472

Ion	Exp%	Act%
93.00	100	100
63.10	76.00	77.21
95.00	31.90	32.08
65.00	23.10	24.05

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_10.D
Acq On : 31 Mar 2022 7:53 pm
Operator : 3545
Sample : STD SVMS 50K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 04 16:10:03 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:10:00 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_10.D\data.ms

(24) Nitrobenzene-d5 (S)

3.716min (+0.006) 55620.7953288 ppb

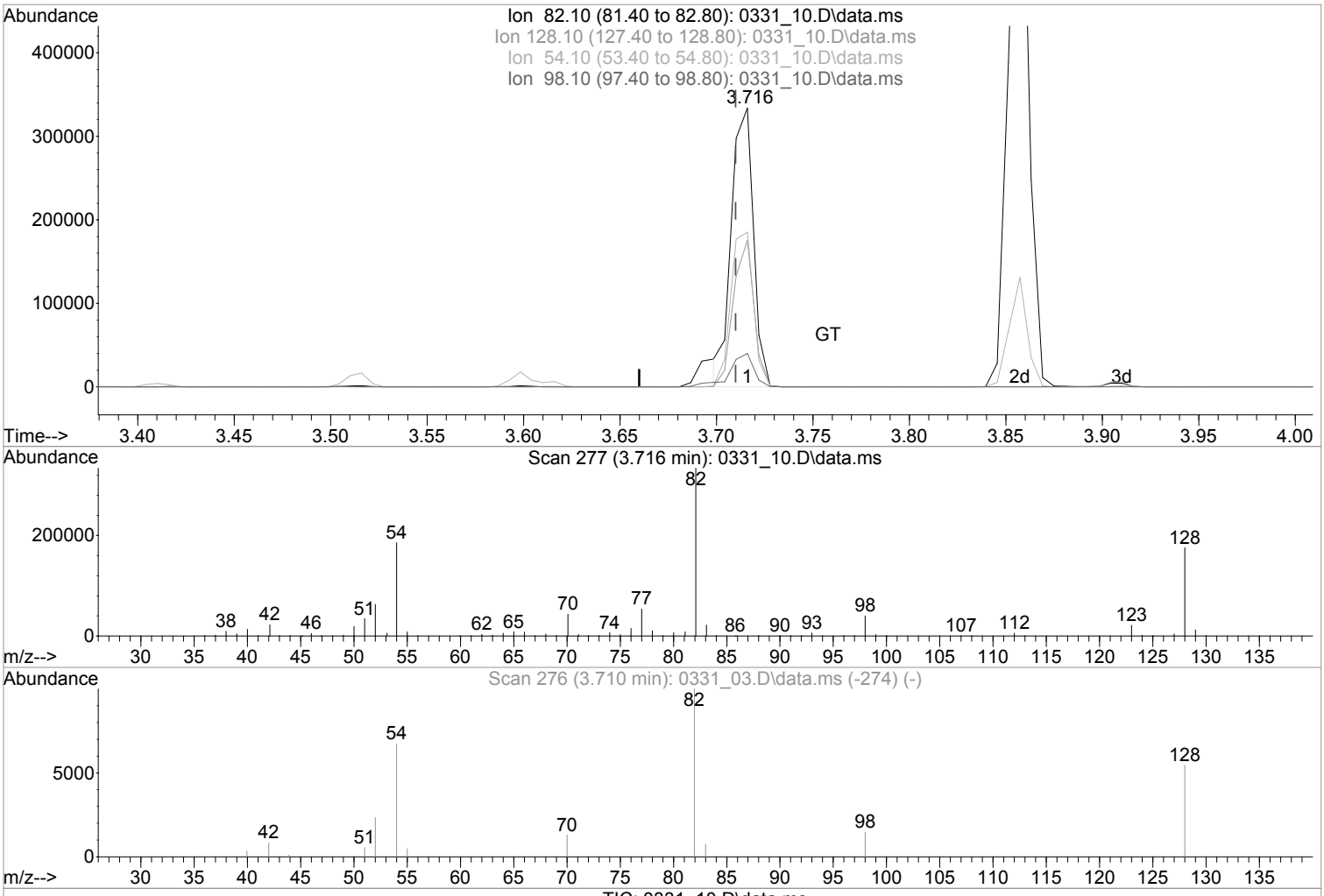
Qvalue = 93

response 289942

Ion	Exp%	Act%
82.10	100	100
128.10	46.80	52.57
54.10	60.00	55.54
98.10	11.40	12.01

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_10.D
Acq On : 31 Mar 2022 7:53 pm
Operator : 3545
Sample : STD SVMS 50K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 04 16:10:03 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:10:00 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_10.D\data.ms

(24) Nitrobenzene-d5 (S)

3.716min (+0.006) 50896.3023359 ppb m

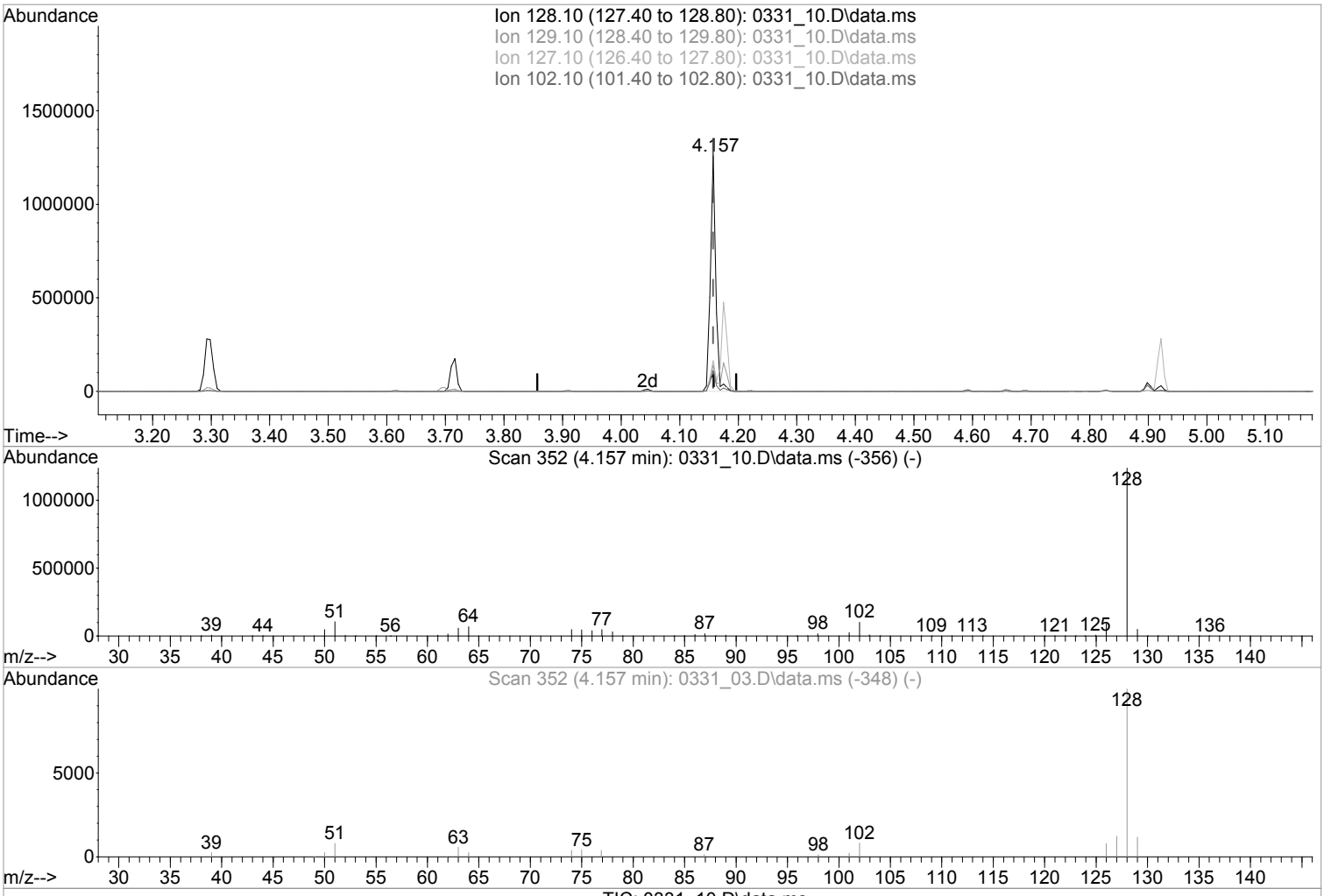
response 265314

Ion	Exp%	Act%
82.10	100	100
128.10	46.80	52.57
54.10	60.00	55.54
98.10	11.40	12.01

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_10.D
Acq On : 31 Mar 2022 7:53 pm
Operator : 3545
Sample : STD SVMS 50K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 04 16:10:03 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:10:00 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_10.D\data.ms

(34) Naphthalene (MT)

4.157min (-0.000) 46677.1469504 ppb

Qvalue = 99

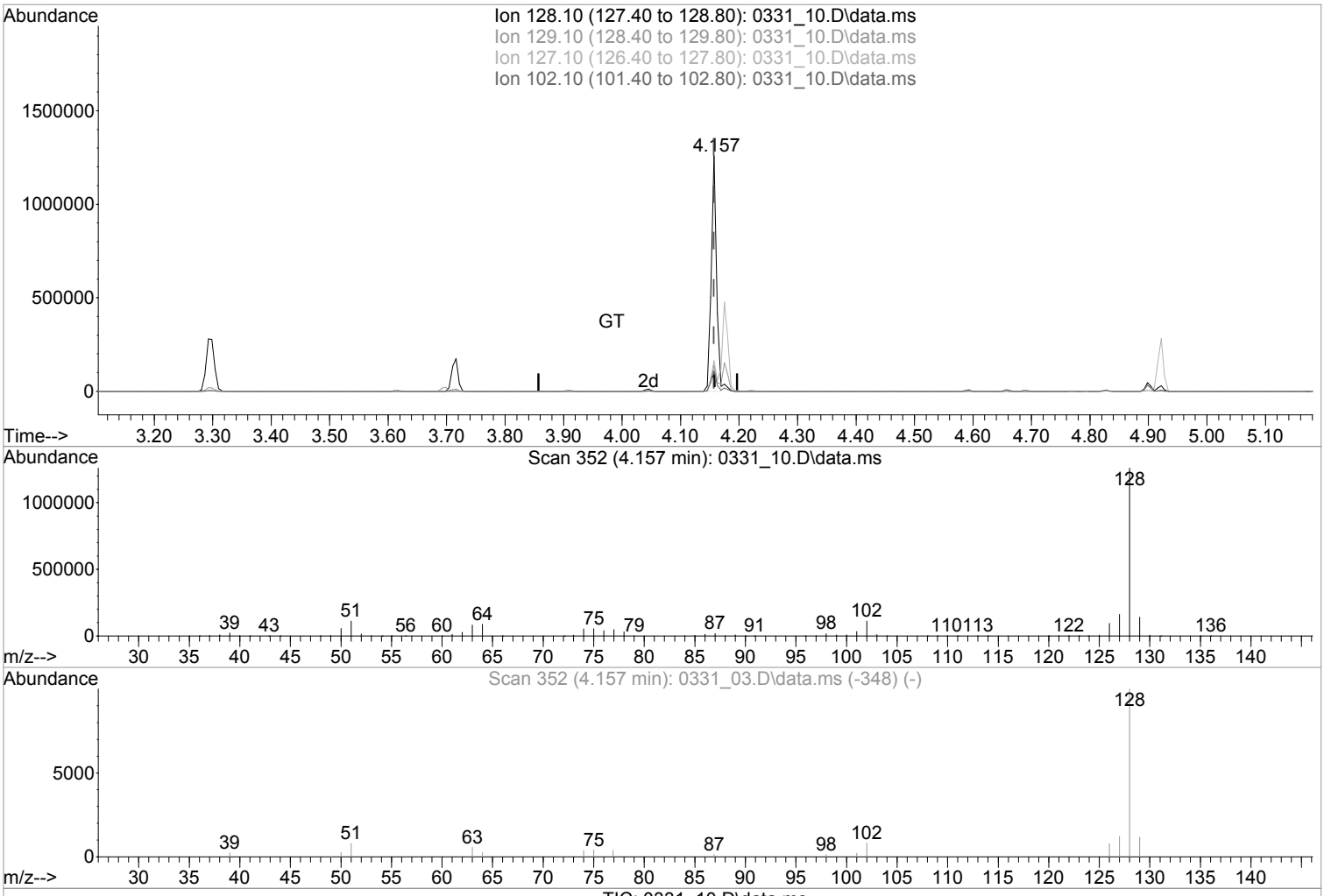
response 809662

Ion	Exp%	Act%
128.10	100	100
129.10	10.90	11.15
127.10	12.80	12.91
102.10	8.30	8.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_10.D
Acq On : 31 Mar 2022 7:53 pm
Operator : 3545
Sample : STD SVMS 50K PPB 22C23059 exp 8/25/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 04 16:10:03 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:10:00 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_10.D\data.ms

(34) Naphthalene (MT)

4.157min (-0.000) 45448.6219591 ppb m

response 788352

Ion	Exp%	Act%
128.10	100	100
129.10	10.90	11.15
127.10	12.80	12.91
102.10	8.30	8.85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_12.D
Acq On : 31 Mar 2022 8:36 pm
Operator : 3545
Sample : STD TCL 4K1 PPB 22C23060 exp 9/10/22
Misc : TCL CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 04 16:53:59 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:34:56 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

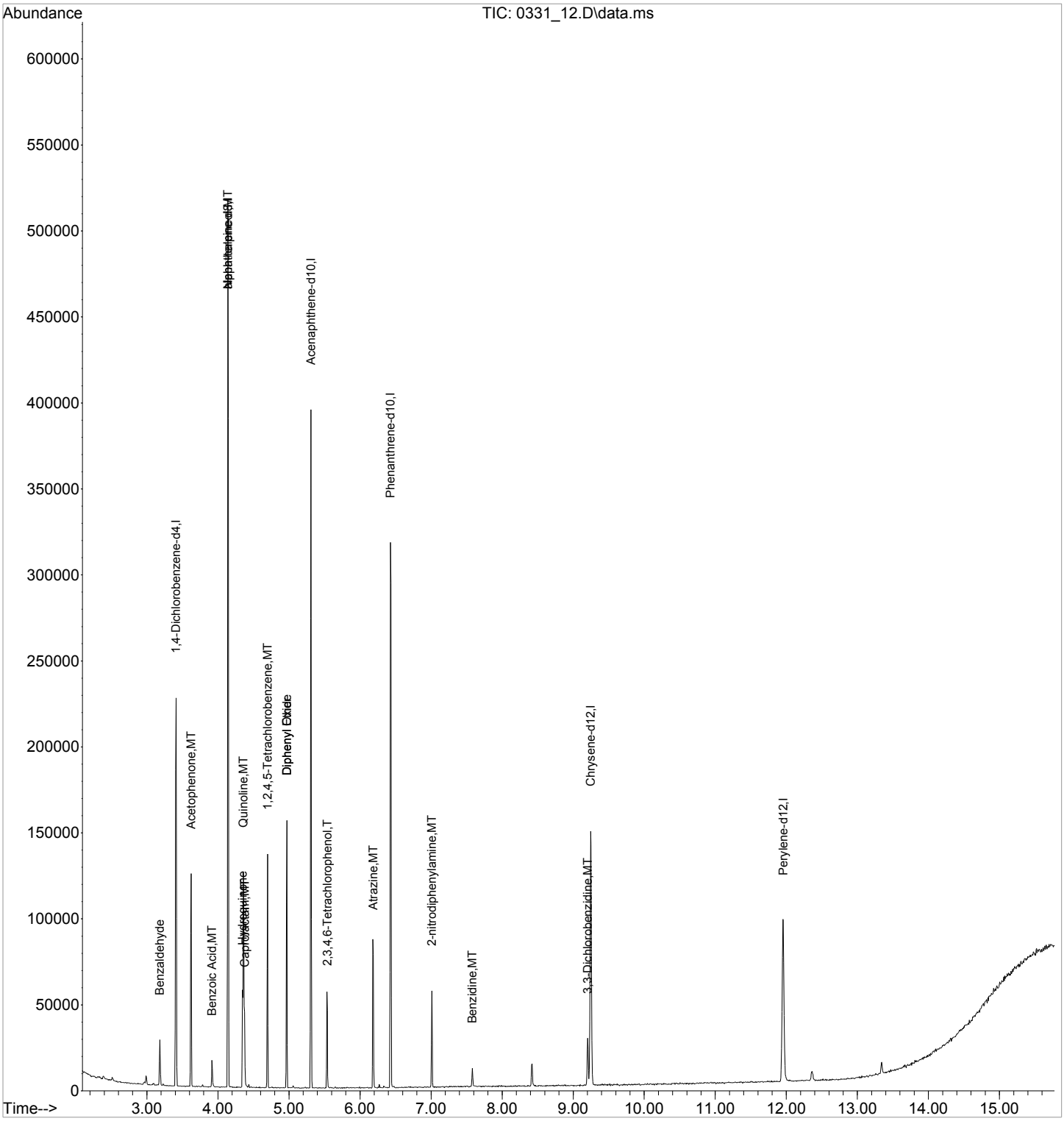
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.410	152	32210	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.140	136	136220	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.310	164	65230	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.428	188	103120	8000.0000000	ppb		0.00
84) Chrysene-d12	9.245	240	67182	8000.0000000	ppb		0.00
94) Perylene-d12	11.957	264	58564	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0	0.0000000	ppb		
Spiked Amount 20000.000			Recovery =	0.00%			
7) Phenol-d5	0.000	99	0	0.0000000	ppb		
Spiked Amount 20000.000			Recovery =	0.00%			
24) Nitrobenzene-d5	0.000	82	0	0.0000000	ppb		
Spiked Amount 10000.000			Recovery =	0.00%			
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb		
Spiked Amount 10000.000			Recovery =	0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb		
Spiked Amount 20000.000			Recovery =	0.00%			
87) p-Terphenyl-d14	0.000	244	0	0.0000000	ppb		
Spiked Amount 10000.000			Recovery =	0.00%			
Target Compounds							Qvalue
9) Benzaldehyde	3.181	105	5045	3745.7880779	ppb		98
22) Acetophenone	3.622	105	26979	3891.1883832	ppb		98
31) Benzoic Acid	3.916	105	3581	4259.0418639	ppb		99
33) alpha-terpineol	4.140	59	18311	4364.0779192	ppb		98
37) Hydroquinone	4.346	110	12976	4367.0078087	ppb		93
38) Quinoline	4.357	129	34471	4382.7379345	ppb		99
39) Caprolactam	4.375	113	3806	3675.2281435	ppb		92
43) 1,2,4,5-Tetrachloroben...	4.699	216	15681	4281.5578499	ppb		96
44) Diphenyl Ether	4.969	170	23710	4319.7401334	ug/ml		99
45) Diphenyl Oxide	4.969	170	23710	4319.7401334	ug/ml		99
62) 2,3,4,6-Tetrachlorophenol	5.540	232	5528	3126.3602471	ppb		95
69) Atrazine	6.187	200	8336	3551.1011360	ppb		97
82) 2-nitrodiphenylamine	7.010	167	6112	4515.3978890	ppb		95
85) Benzidine	7.581	184	5065	3995.7989172	ppb	#	70
89) 3,3-Dichlorobenzidine	9.204	252	9134	3139.1498939	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_12.D
Acq On : 31 Mar 2022 8:36 pm
Operator : 3545
Sample : STD TCL 4K1 PPB 22C23060 exp 9/10/22
Misc : TCL CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 04 16:53:59 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:34:56 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_13.D
Acq On : 31 Mar 2022 8:58 pm
Operator : 3545
Sample : MSTD TCL 10K1 PPB 22C23060 exp 9/10/22
Misc : TCL CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 04 15:59:35 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 15:59:06 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

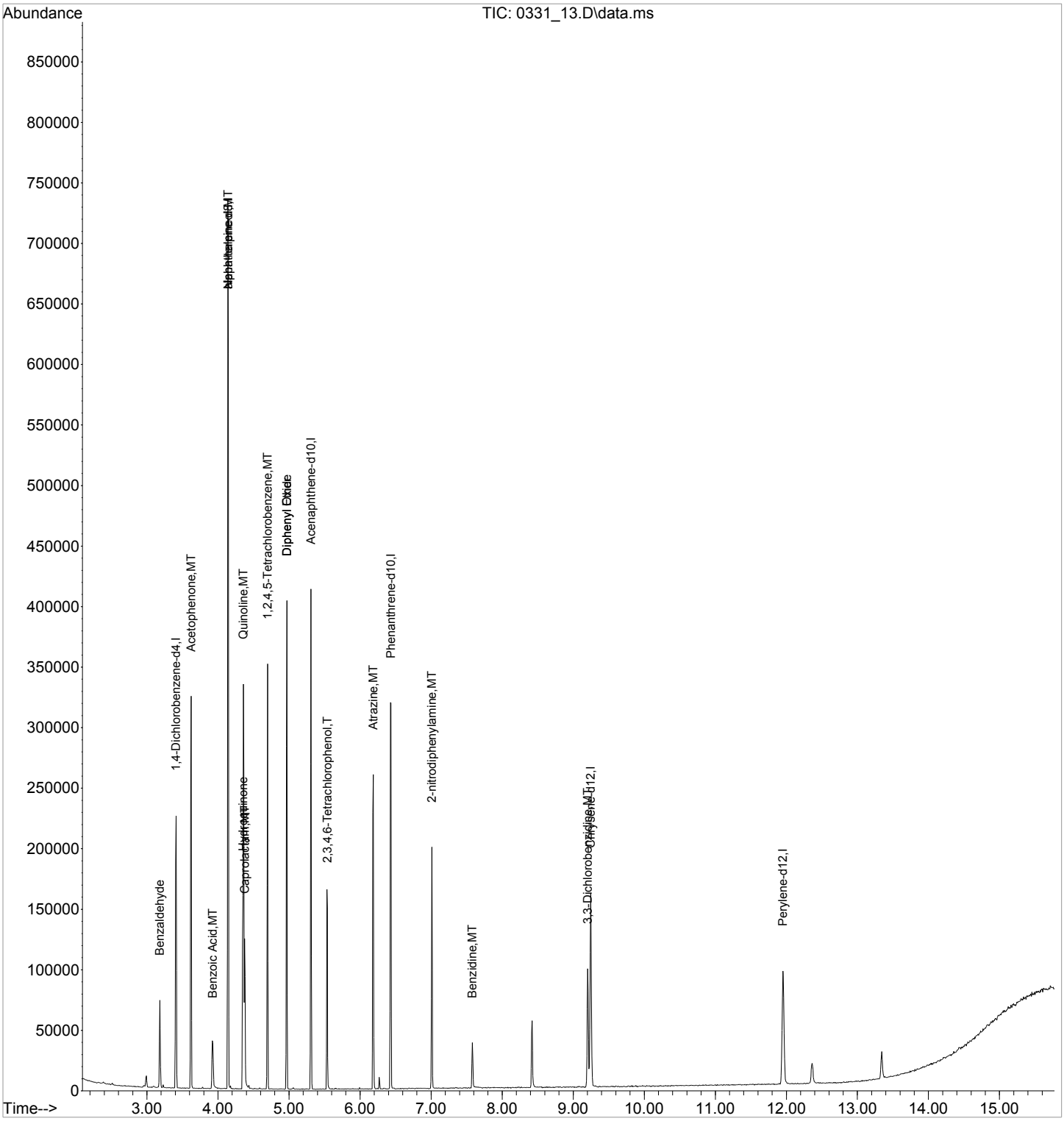
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.410	152	32646	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.140	136	151075	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.310	164	66741	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.434	188	106483	8000.0000000	ppb	0.00
84) Chrysene-d12	9.245	240	70148	8000.0000000	ppb	0.00
94) Perylene-d12	11.951	264	60010	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
7) Phenol-d5	0.000	99	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.000	82	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.000	244	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.181	105	13218	10000.0000000	ppb	100
22) Acetophenone	3.622	105	70363	10000.0000000	ppb	100
31) Benzoic Acid	3.928	105	13285	10000.0000000	ppb	100
33) alpha-terpineol	4.140	59	47885	10000.0000000	ppb	100
37) Hydroquinone	4.351	110	32456	10000.0000000	ppb	100
38) Quinoline	4.357	129	92947	10000.0000000	ppb	100
39) Caprolactam	4.375	113	11523	10000.0000000	ppb	100
43) 1,2,4,5-Tetrachloroben...	4.698	216	42102	10000.0000000	ppb	100
44) Diphenyl Ether	4.969	170	62422	10000.0000000	ug/ml	100
45) Diphenyl Oxide	4.969	170	62422	10000.0000000	ug/ml	100
62) 2,3,4,6-Tetrachlorophenol	5.540	232	16672	10000.0000000	ppb	100
69) Atrazine	6.187	200	23085	10000.0000000	ppb	100
82) 2-nitrodiphenylamine	7.010	167	19997	10000.0000000	ppb	100
85) Benzidine	7.581	184	16992	10045.5217263	ppb	100
89) 3,3-Dichlorobenzidine	9.204	252	28248	10000.0000000	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_13.D
Acq On : 31 Mar 2022 8:58 pm
Operator : 3545
Sample : MSTD TCL 10K1 PPB 22C23060 exp 9/10/22
Misc : TCL CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 04 15:59:35 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 15:59:06 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\042922B\
Data File : 0429B_03.D
Acq On : 29 Apr 2022 5:52 pm
Operator : 3545
Sample : ICV TCL 10K1 PPB 22D05698 exp 9/10/22
Misc : TCL CAL ISTD 22D02367 exp. 10/02/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 29 19:31:04 2022
Quant Method : C:\msdchem\1\methods\S824D29BV.M
Quant Title : 8270 BNA
QLast Update : Fri Apr 29 19:28:33 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

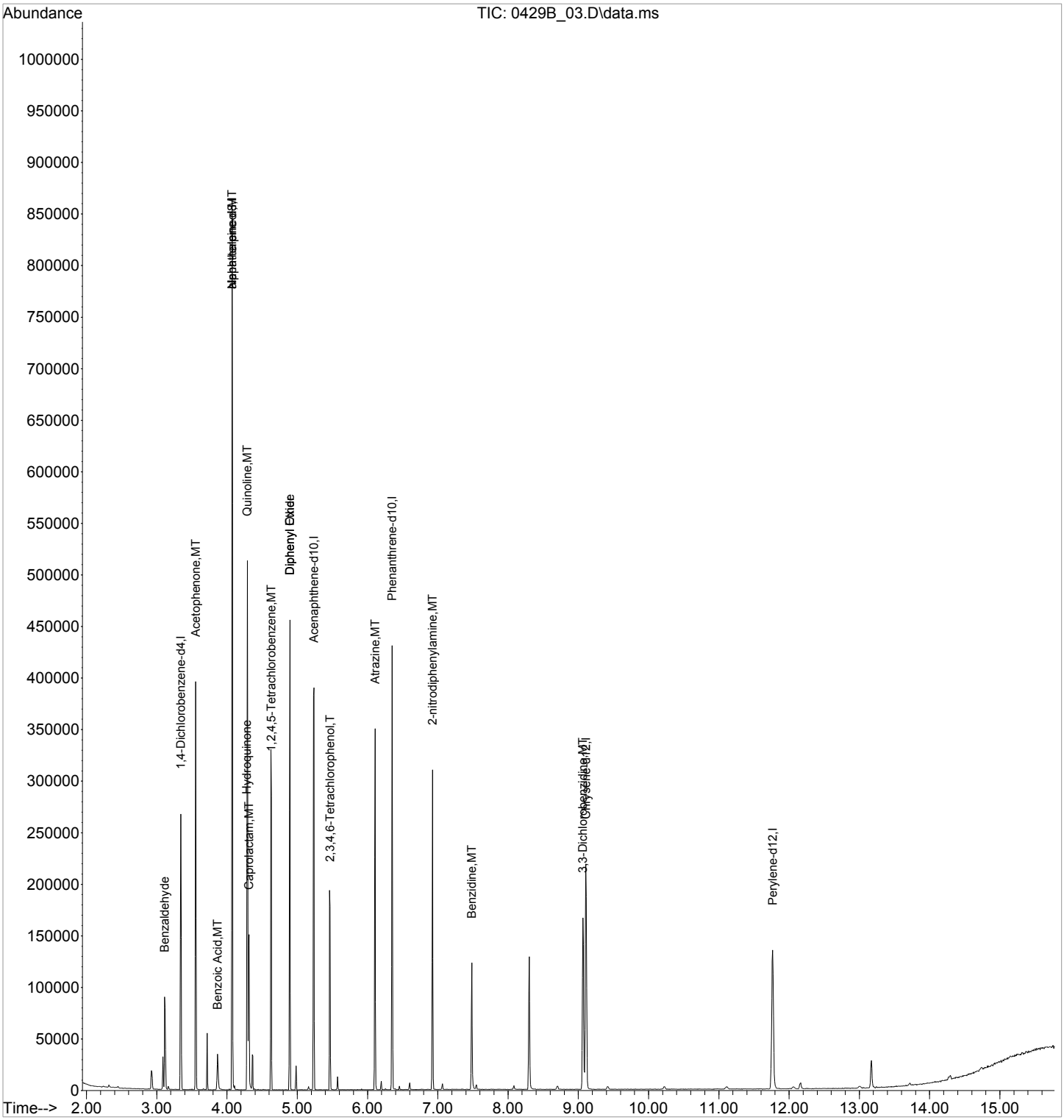
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.343	152	35936	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.072	136	162496	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.237	164	73371	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.348	188	124542	8000.0000000	ppb	0.00
84) Chrysene-d12	9.107	240	92211	8000.0000000	ppb	0.00
94) Perylene-d12	11.766	264	82708	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
7) Phenol-d5	0.000	99	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.000	82	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.000	244	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.113	105	17877	11897.0055136	ppb	99
22) Acetophenone	3.554	105	77833	10061.9271599	ppb	99
31) Benzoic Acid	3.866	105	10441	7475.1145537	ppb	97
33) alpha-terpineol	4.072	59	52436	10476.3063443	ppb	97
37) Hydroquinone	4.284	110	36399	10269.0622148	ppb	95
38) Quinoline	4.290	129	104932	11184.0158031	ppb	99
39) Caprolactam	4.313	113	14776	11961.0857284	ppb	97
43) 1,2,4,5-Tetrachloroben...	4.631	216	44745	10241.6699254	ppb	97
44) Diphenyl Ether	4.895	170	67529	10313.7021917	ug/ml	98
45) Diphenyl Oxide	4.895	170	67529	10313.7021917	ug/ml	98
62) 2,3,4,6-Tetrachlorophenol	5.466	232	19384	9746.2450545	ppb	98
69) Atrazine	6.107	200	28050	10623.3414640	ppb	97
82) 2-nitrodiphenylamine	6.925	167	30889	11185.4538926	ppb	96
85) Benzidine	7.483	184	45803	16815.2055310	ppb	97
89) 3,3-Dichlorobenzidine	9.066	252	45034	11276.1739458	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\042922B\
Data File : 0429B_03.D
Acq On : 29 Apr 2022 5:52 pm
Operator : 3545
Sample : ICV TCL 10K1 PPB 22D05698 exp 9/10/22
Misc : TCL CAL ISTD 22D02367 exp. 10/02/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 29 19:31:04 2022
Quant Method : C:\msdchem\1\methods\S824D29BV.M
Quant Title : 8270 BNA
QLast Update : Fri Apr 29 19:28:33 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_14.D
Acq On : 31 Mar 2022 9:19 pm
Operator : 3545
Sample : STD TCL 20K1 PPB 22C23060 exp 9/10/22
Misc : TCL CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 04 16:18:05 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:17:36 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

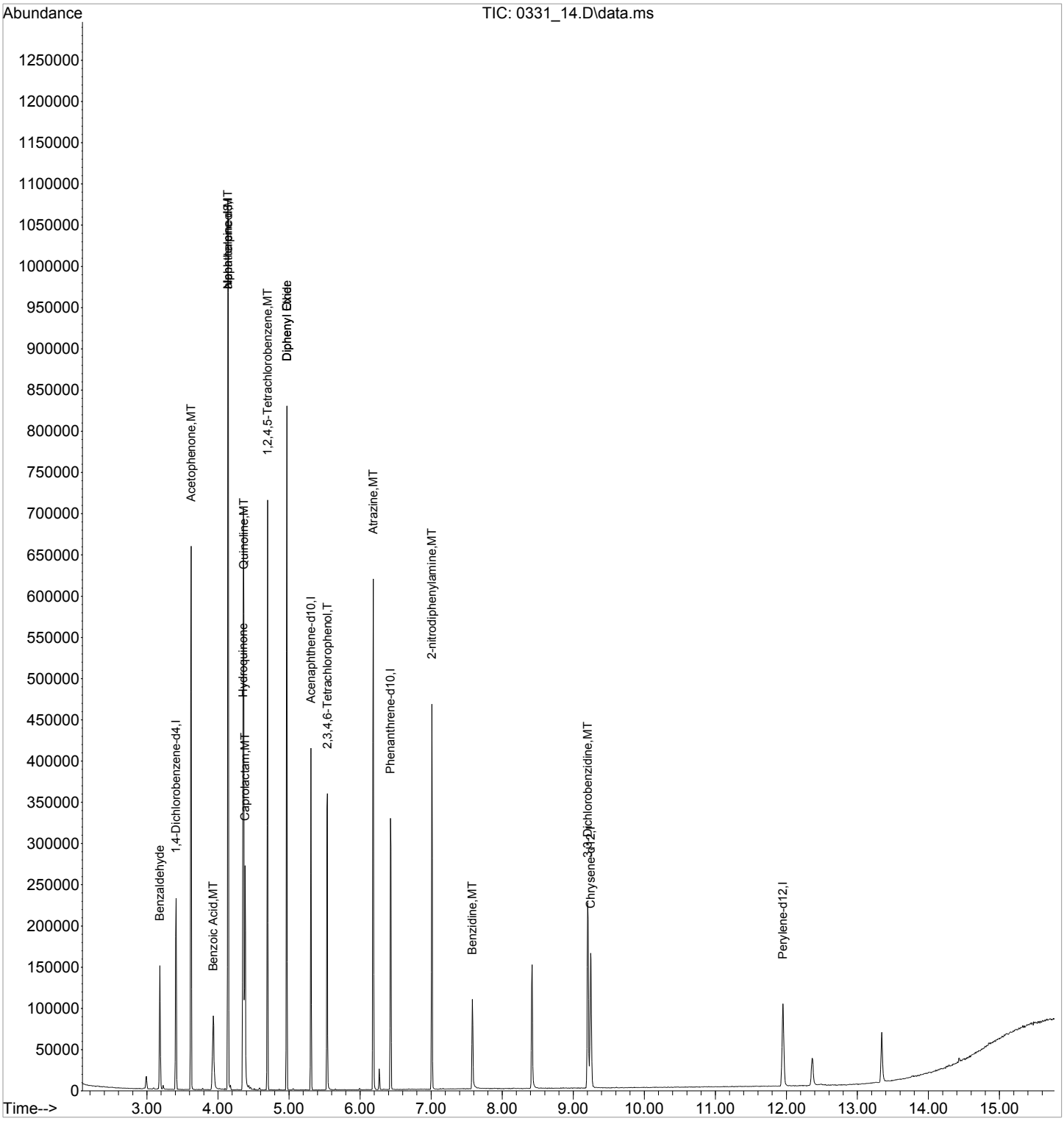
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.410	152	32976	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.140	136	166588	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.310	164	65899	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.428	188	106386	8000.0000000	ppb	0.00
84) Chrysene-d12	9.245	240	74217	8000.0000000	ppb	0.00
94) Perylene-d12	11.951	264	60508	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
7) Phenol-d5	0.000	99	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.000	82	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.000	244	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.181	105	27985	21379.1641942	ppb	99
22) Acetophenone	3.622	105	140981	19984.9142749	ppb	99
31) Benzoic Acid	3.934	105	33954	31589.3324189	ppb	99
33) alpha-terpineol	4.140	59	99072	17348.5751577	ppb	99
37) Hydroquinone	4.351	110	75121	19593.8858186	ppb	97
38) Quinoline	4.363	129	186747	17405.5577263	ppb	97
39) Caprolactam	4.381	113	27181	22332.1892729	ppb	99
43) 1,2,4,5-Tetrachloroben...	4.698	216	82323	16891.5493678	ppb	98
44) Diphenyl Ether	4.969	170	122968	16869.4038963	ug/ml	99
45) Diphenyl Oxide	4.969	170	122968	16869.4038963	ug/ml	99
62) 2,3,4,6-Tetrachlorophenol	5.540	232	36060	24550.3580536	ppb	100
69) Atrazine	6.187	200	50889	24345.8931400	ppb	99
82) 2-nitrodiphenylamine	7.010	167	49155	28494.9593074	ppb	96
85) Benzidine	7.581	184	46245	31477.4601229	ppb	97
89) 3,3-Dichlorobenzidine	9.204	252	66399	26100.6280685	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_14.D
Acq On : 31 Mar 2022 9:19 pm
Operator : 3545
Sample : STD TCL 20K1 PPB 22C23060 exp 9/10/22
Misc : TCL CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 04 16:18:05 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:17:36 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_15.D
Acq On : 31 Mar 2022 9:40 pm
Operator : 3545
Sample : STD TCL 30K1 PPB 22C23060 exp 9/10/22
Misc : TCL CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 15 Sample Multiplier: 1

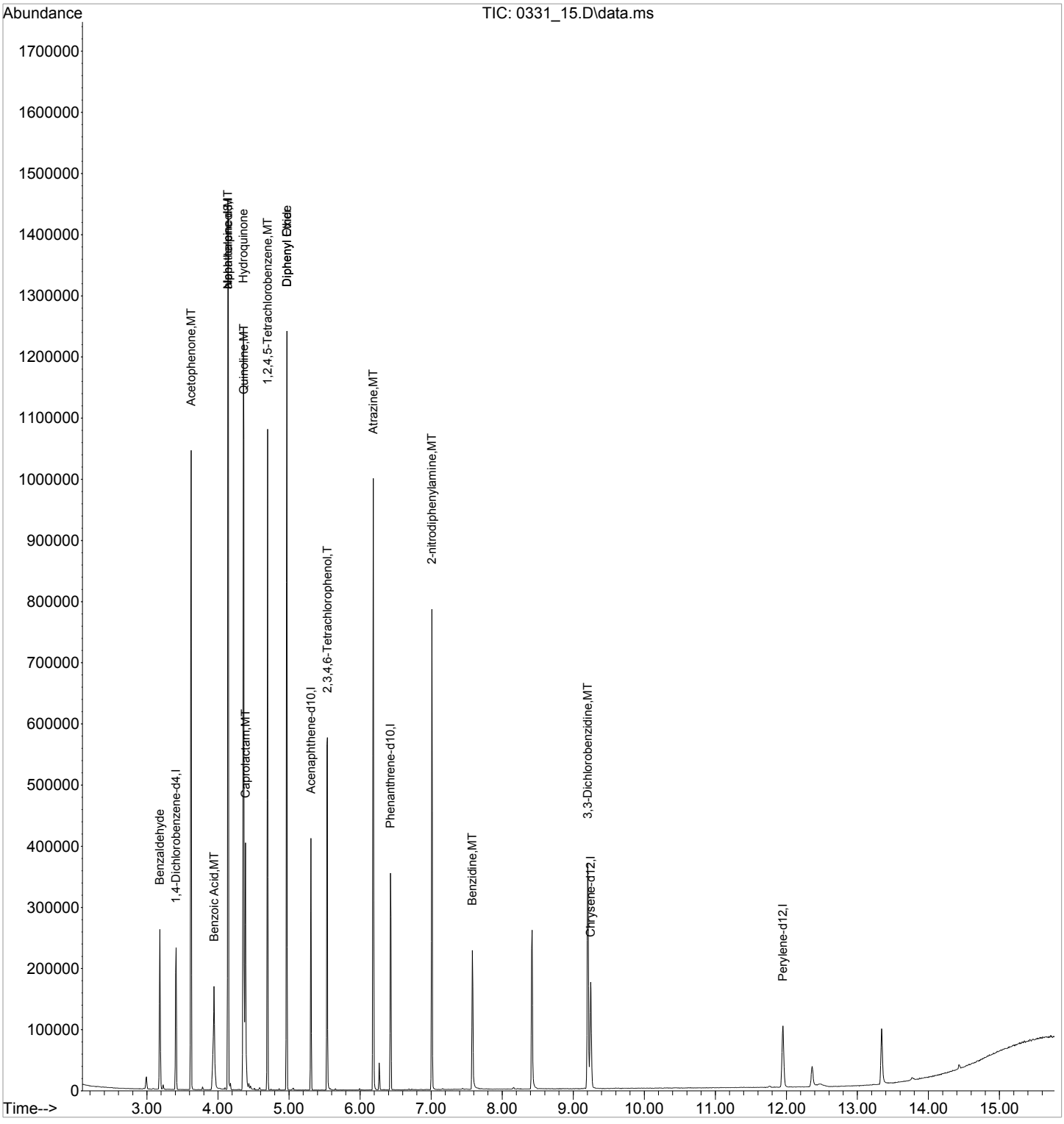
Quant Time: Apr 04 16:18:53 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:18:23 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.410	152	33491	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.140	136	188855	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.310	164	68194	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.428	188	108406	8000.0000000	ppb	0.00
84) Chrysene-d12	9.245	240	76700	8000.0000000	ppb	0.00
94) Perylene-d12	11.951	264	62471	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
7) Phenol-d5	0.000	99	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.000	82	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.000	244	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.181	105	47780	35331.1828973	ppb	99
22) Acetophenone	3.622	105	218733	30535.6925993	ppb	99
31) Benzoic Acid	3.946	105	62710	44951.7521731	ppb	98
33) alpha-terpineol	4.140	59	155586	24856.2891851	ppb	99
37) Hydroquinone	4.357	110	122674	28368.5569619	ppb	99
38) Quinoline	4.363	129	289912	24633.9225551	ppb	99
39) Caprolactam	4.387	113	44595	31110.4386175	ppb	95
43) 1,2,4,5-Tetrachloroben...	4.698	216	124397	23425.2808780	ppb	98
44) Diphenyl Ether	4.969	170	188595	23751.4157709	ug/ml	99
45) Diphenyl Oxide	4.969	170	188595	23751.4157709	ug/ml	99
62) 2,3,4,6-Tetrachlorophenol	5.540	232	59018	36738.7005414	ppb	100
69) Atrazine	6.187	200	78865	34581.5780215	ppb	100
82) 2-nitrodiphenylamine	7.010	167	82992	42681.4519179	ppb	95
85) Benzidine	7.581	184	92797	53450.6210134	ppb	98
89) 3,3-Dichlorobenzidine	9.204	252	105817	37396.9826583	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_15.D
Acq On : 31 Mar 2022 9:40 pm
Operator : 3545
Sample : STD TCL 30K1 PPB 22C23060 exp 9/10/22
Misc : TCL CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 04 16:18:53 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:18:23 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_16.D
Acq On : 31 Mar 2022 10:02 pm
Operator : 3545
Sample : STD TCL 40K1 PPB 22C23060 exp 9/10/22
Misc : TCL CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 04 16:19:37 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:19:11 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

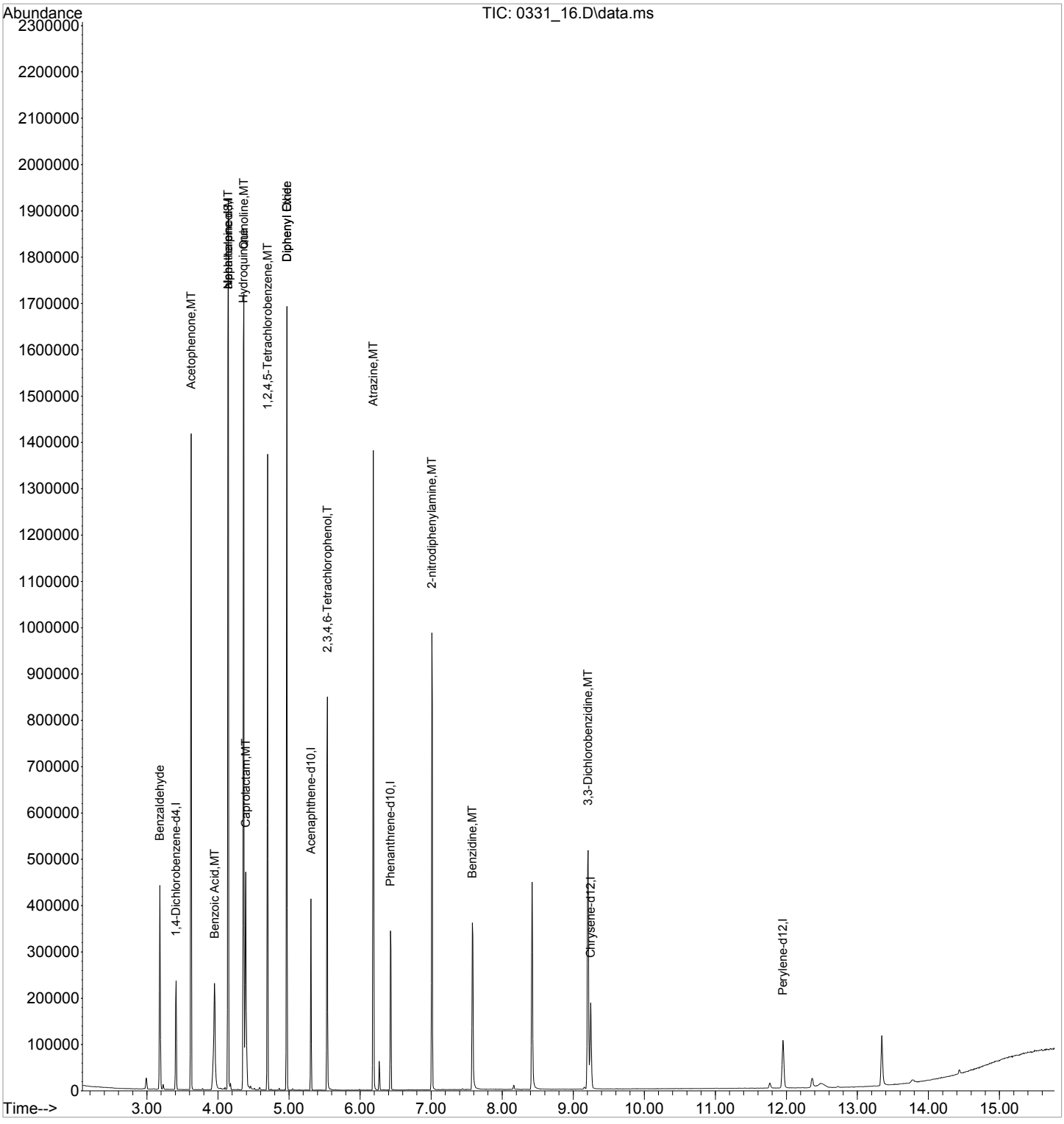
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.410	152	32750	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.145	136	205762	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.310	164	66340	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.428	188	109489	8000.0000000	ppb	0.00
84) Chrysene-d12	9.245	240	77049	8000.0000000	ppb	0.00
94) Perylene-d12	11.951	264	63298	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
7) Phenol-d5	0.000	99	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.000	82	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.000	244	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.181	105	80706	58934.1841835	ppb	99
22) Acetophenone	3.622	105	286364	40736.1958980	ppb	99
31) Benzoic Acid	3.951	105	92634	55421.4497707	ppb	99
33) alpha-terpineol	4.145	59	203905	30960.7071165	ppb	87
37) Hydroquinone	4.357	110	166918	35817.9389554	ppb	95
38) Quinoline	4.363	129	378568	30619.3304379	ppb	98
39) Caprolactam	4.392	113	62917	39916.3623369	ppb	96
43) 1,2,4,5-Tetrachloroben...	4.698	216	161130	29125.9548510	ppb	98
44) Diphenyl Ether	4.969	170	243421	29360.2543064	ug/ml	99
45) Diphenyl Oxide	4.969	170	243421	29360.2543064	ug/ml	99
62) 2,3,4,6-Tetrachlorophenol	5.539	232	79933	48949.8236216	ppb	97
69) Atrazine	6.186	200	105331	46070.2880297	ppb	99
82) 2-nitrodiphenylamine	7.010	167	117319	55081.7026593	ppb	94
85) Benzidine	7.580	184	154562	76641.7310555	ppb	97
89) 3,3-Dichlorobenzidine	9.210	252	146578	49144.2966400	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_16.D
Acq On : 31 Mar 2022 10:02 pm
Operator : 3545
Sample : STD TCL 40K1 PPB 22C23060 exp 9/10/22
Misc : TCL CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 04 16:19:37 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:19:11 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_17.D
Acq On : 31 Mar 2022 10:23 pm
Operator : 3545
Sample : STD TCL 50K1 PPB 22C23060 exp 9/10/22
Misc : TCL CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 17 Sample Multiplier: 1

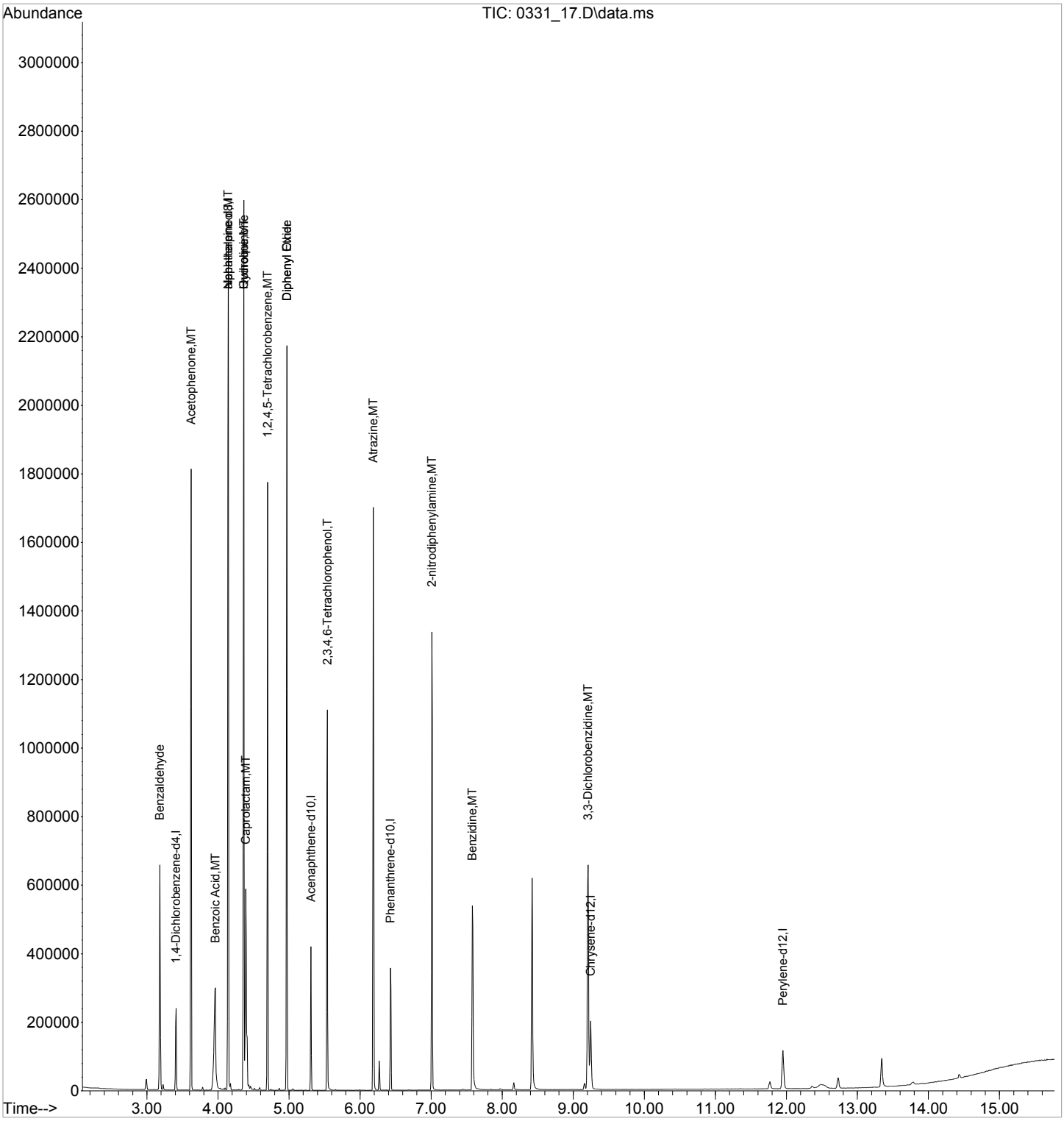
Quant Time: Apr 04 16:20:23 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:19:57 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.410	152	34438	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.145	136	228625	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.310	164	68678	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.428	188	112052	8000.0000000	ppb	0.00
84) Chrysene-d12	9.245	240	79417	8000.0000000	ppb	0.00
94) Perylene-d12	11.951	264	67284	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
7) Phenol-d5	0.000	99	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.000	82	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.000	244	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.181	105	118679	76388.9545388	ppb	99
22) Acetophenone	3.622	105	370115	49916.2518975	ppb	99
31) Benzoic Acid	3.963	105	131168	66363.7153033	ppb	98
33) alpha-terpineol	4.145	59	264407	37546.5934006	ppb	88
37) Hydroquinone	4.363	110	219123	43068.6482517	ppb	98
38) Quinoline	4.363	129	481916	36507.3343524	ppb	99
39) Caprolactam	4.393	113	83764	47847.9644639	ppb	94
43) 1,2,4,5-Tetrachloroben...	4.698	216	204315	34816.2846862	ppb	97
44) Diphenyl Ether	4.969	170	310150	35229.6306939	ug/ml	99
45) Diphenyl Oxide	4.969	170	310150	35229.6306939	ug/ml	99
62) 2,3,4,6-Tetrachlorophenol	5.540	232	103514	59031.1652154	ppb	96
69) Atrazine	6.187	200	137008	56457.3564133	ppb	100
82) 2-nitrodiphenylamine	7.010	167	156949	67745.4868336	ppb	93
85) Benzidine	7.581	184	223719	93371.1103111	ppb	97
89) 3,3-Dichlorobenzidine	9.210	252	187922	58883.7932200	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_17.D
Acq On : 31 Mar 2022 10:23 pm
Operator : 3545
Sample : STD TCL 50K1 PPB 22C23060 exp 9/10/22
Misc : TCL CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 04 16:20:23 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:19:57 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488161	**Calibration (begin) date/time:**	02/09/22 10:43
Instrument ID:	BNAMS4	**Calibration (end) date/time:**	02/09/22 15:35
Lab File ID:	0209_21	**Analysis date/time:**	02/09/22 15:56
Analytical Method:	8270E	**Sample ID:**	SSCV

Analyte	Avg. RRF	RRF	Min. RRF	Diff. %	Max Diff. %	True Value mg/l	Result mg/l	Result % Rec.	Limits %
1-METHYLNAPHTHALENE	0.623837	0.62111570		0.4360		10	9.956	99.60	70 - 130
2-METHYLNAPHTHALENE	0.663826	0.63308330		4.63		10	9.537	95.40	70 - 130
3&4-METHYL PHENOL	1.350649	1.338996		0.8630		10	9.914	99.10	70 - 130
ACENAPHTHENE	1.170435	1.121669		4.17		10	9.583	95.80	70 - 130
ACENAPHTHYLENE	1.779211	1.817918		2.18		10	10.22	102	70 - 130
ANTHRACENE	1.065424	1.034061		2.94		10	9.706	97.10	70 - 130
BENZO(A)ANTHRACENE	1.151953	1.120667		2.72		10	9.728	97.30	70 - 130
BENZO(A)PYRENE	0.987052	1.048235		6.20		10	10.62	106	70 - 130
BENZO(B)FLUORANTHENE	1.139642	1.101573		3.34		10	9.666	96.70	70 - 130
BENZO(G,H,I)PERYLENE	1.009366	1.078476		6.85		10	10.68	107	70 - 130
BENZO(K)FLUORANTHENE	1.122546	1.114238		0.74		10	9.926	99.30	70 - 130
BIS(2-ETHYLHEXYL)PHTHALATE	0.724997	0.79033960		9.01		10	10.90	109	70 - 130
CARBAZOLE	0.972084	1.021167		5.05		10	10.50	105	70 - 130
CHRYSENE	1.116357	1.141252		2.23		10	10.22	102	70 - 130
DI-N-BUTYL PHTHALATE	1.138017	1.178124		3.52		10	10.35	104	70 - 130
DI-N-OCTYL PHTHALATE	1.204403	1.241811		3.11		10	10.31	103	70 - 130
DIBENZ(A,H)ANTHRACENE	1.033545	1.082655		4.75		10	10.48	105	70 - 130
DIBENZOFURAN	1.623192	1.575663		2.93		10	9.707	97.10	70 - 130
FLUORANTHENE	1.1182	1.053931		5.75		10	9.425	94.30	70 - 130
FLUORENE	1.316666	1.307861		0.6690		10	9.933	99.30	70 - 130
INDENO(1,2,3-CD)PYRENE	0.969769	1.039433		7.18		10	10.72	107	70 - 130
NAPHTHALENE	1.018747	1.008173		1.04		10	9.896	99	70 - 130
PENTACHLOROPHENOL	0.121187	0.14212140		17.30		10	11.73	117	70 - 130
PHENANTHRENE	1.052577	1.027167		2.41		10	9.759	97.60	70 - 130
PHENOL	1.643512	1.610572		2		10	9.800	98	70 - 130
PYRENE	1.287230	1.281216		0.4670		10	9.953	99.50	70 - 130
2,4,6-TRIBROMOPHENOL	0.090561	0.08983042		0.8070		10	9.919	99.20	70 - 130
2-FLUOROBIPHENYL	1.349543	1.323445		1.93		10	9.807	98.10	70 - 130
2-FLUOROPHENOL	1.299982	1.279613		1.57		10	9.843	98.40	70 - 130
NITROBENZENE-D5	0.339442	0.35322840		4.06		10	10.41	104	70 - 130
P-TERPHENYL-D14	1.093292	1.098755		0.50		10	10.05	101	70 - 130
PHENOL-D5	1.560263	1.524287		2.31		10	9.769	97.70	70 - 130

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 21.D Vial: 18
Acq On : 9 Feb 2022 3:56 pm Operator: 917
Sample : SSCV SVMS 10K PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 19 13:13 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 17:49:17 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	88915	8000.00 ppb	0.00
23) Naphthalene-d8	4.26	136	355224	8000.00 ppb	0.00
46) Acenaphthene-d10	5.44	164	184704	8000.00 ppb	0.00
70) Phenanthrene-d10	6.57	188	340250	8000.00 ppb	0.00
84) Chrysene-d12	9.54	240	293653	8000.00 ppb	0.00
94) Perylene-d12	12.38	264	310728	8000.00 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.84	112	142221	9843.3121001 ppb	0.00
Spiked Amount 666.000			Recovery	= 1477.97%	
7) Phenol-d5	3.28	99	169415	9769.4265067 ppb	0.00
Spiked Amount 666.000			Recovery	= 1466.88%	
24) Nitrobenzene-d5	3.82	82	156844	10406.1534584 ppb	0.00
Spiked Amount 333.000			Recovery	= 3124.97%	
50) 2-Fluorobiphenyl	4.95	172	305557	9806.6161349 ppb	0.00
Spiked Amount 333.000			Recovery	= 2944.93%	
73) 2,4,6-Tribromophenol	6.02	330	38206	9919.3409749 ppb	0.00
Spiked Amount 666.000			Recovery	= 1489.39%	
87) p-Terphenyl-d14	8.04	244	403316	10049.9749250 ppb	0.00
Spiked Amount 333.000			Recovery	= 3018.01%	
Target Compounds					Qvalue
2) Pyridine	2.29	79	157472	11446.0495914 ppb	90
3) N-Nitrosodimethylamine	2.28	42	68975	9340.9358063 ppb	87
5) Aniline	3.34	66	79389	9650.2197215 ppb	92
6) bis(2-Chloroethyl)ether	3.36	93	152062m	11899.7254383 ppb	
8) Phenol	3.29	94	179005	9799.5751289 ppb	98
10) 2-Chlorophenol	3.40	128	146262	10000.5197227 ppb	95
11) n-Decane	3.40	41	82952	9629.2271328 ppb	98
12) 1,3-Dichlorobenzene	3.49	146	164692	9959.1733450 ppb	95
13) 1,4-Dichlorobenzene	3.53	146	167144	9819.9981031 ppb	97
14) Benzyl Alcohol	3.57	79	113873	10066.8014240 ppb	99
15) 1,2-Dichlorobenzene	3.61	146	157389	10059.2311925 ppb	100
16) bis(2-Chloroisopropyl)ethe	3.65	121	53196	9935.6902402 ppb	64
17) 2,2-oxybis(1-chloropropane	3.65	121	53196	9935.6902402 ppb	64
18) 2-Methylphenol	3.62	108	133745	10120.0527818 ppb	98
19) Hexachloroethane	3.80	117	62812	10166.1307570 ppb	99
20) N-Nitrosodi-n-propylamine	3.72	70	98111	10158.5564450 ppb	96
21) 3&4-Methyl phenol	3.70	107	148821	9913.7205681 ppb	99
25) Nitrobenzene	3.83	77	149817	10165.9220817 ppb	94
26) Isophorone	3.96	82	260097	9838.5361753 ppb	95
27) 2-Nitrophenol	4.01	139	75876	10214.9836033 ppb #	76
28) 2,4-Dimethylphenol	4.01	107	139227	10092.5405476 ppb	98
29) bis(2-Chlorethoxy)methane	4.08	93	172239	10189.7011915 ppb	95
30) 2,4-Dichlorophenol	4.15	162	116228	10001.3018153 ppb	94
32) 1,2,4-Trichlorobenzene	4.22	180	126978	9761.1362823 ppb	99
34) Naphthalene	4.27	128	447659	9896.2058674 ppb	99
35) 4-Chloroaniline	4.28	65	50393	9587.7463840 ppb	95
36) Hexachloro-1,3-butadiene	4.33	225	78373	11043.8206612 ppb	98
40) 4-Chloro-3-methylphenol	4.57	107	115951	9898.0134487 ppb	92
41) 2-Methylnaphthalene	4.71	142	281108	9536.8809357 ppb	100
42) 1-Methylnaphthalene	4.78	142	275794	9956.3737843 ppb	100
47) Hexachlorocyclopentadiene	4.81	237	69461	8026.8498870 ppb	97
48) 2,4,6-Trichlorophenol	4.89	196	77627	9689.8796793 ppb	95
49) 2,4,5-Trichlorophenol	4.91	196	82579	9904.7566201 ppb	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 21.D Vial: 18
Acq On : 9 Feb 2022 3:56 pm Operator: 917
Sample : SSCV SVMS 10K PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 19 13:13 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 17:49:17 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

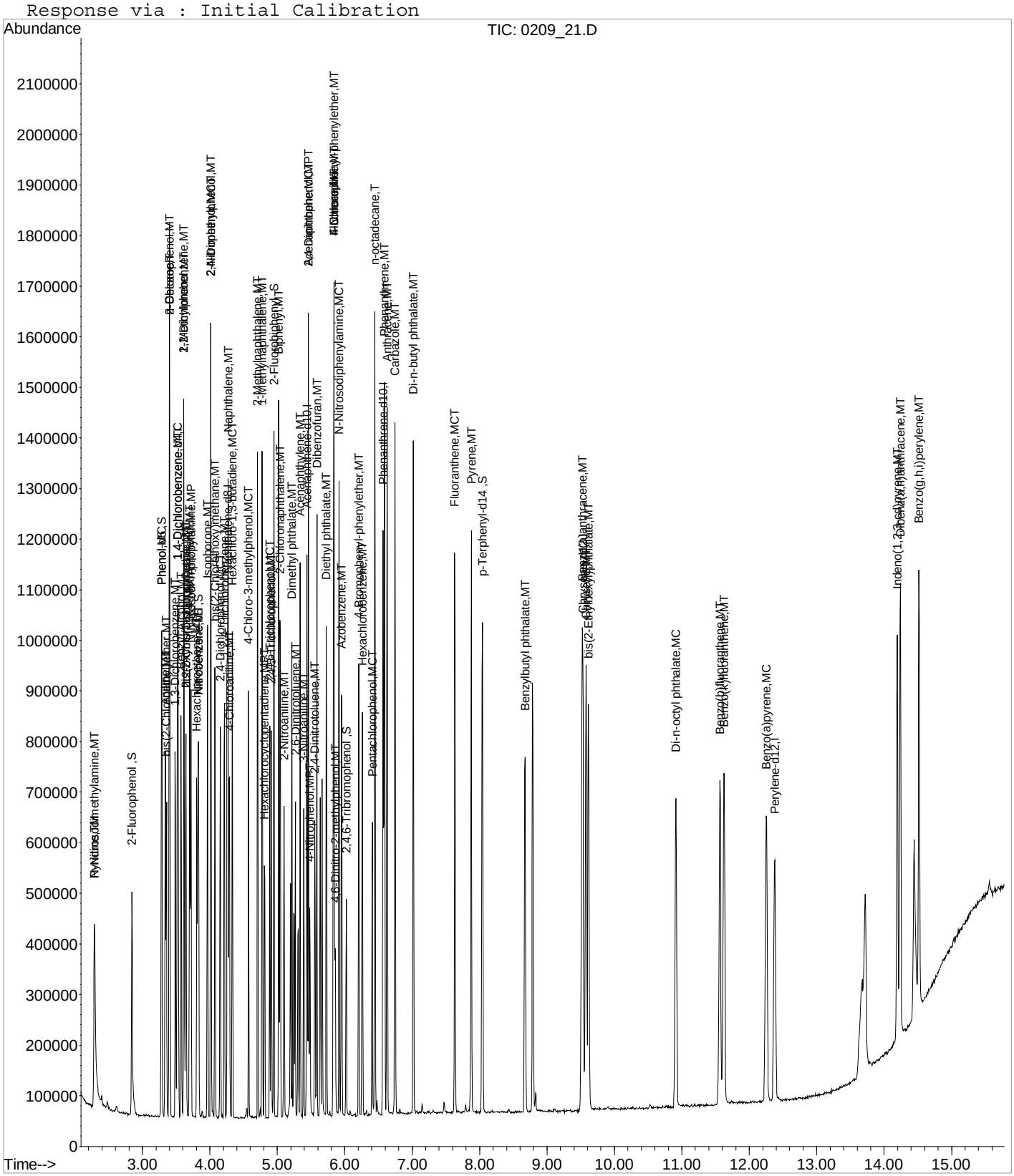
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
51)	Biphenyl	5.02	154	339927	9824.7030690 ppb		100
52)	2-Chloronaphthalene	5.05	162	263674	9985.7067521 ppb		97
53)	2-Nitroaniline	5.10	138	85461	10441.1102055 ppb		99
54)	Acenaphthylene	5.34	152	419721	10217.5539048 ppb		99
55)	Dimethyl phthalate	5.22	163	271177	9912.7354425 ppb		96
56)	2,6-Dinitrotoluene	5.27	165	66568	10495.3544301 ppb		96
57)	3-Nitroaniline	5.39	138	71255	10434.3274272 ppb		94
58)	Acenaphthene	5.46	153	258971	9583.3554787 ppb		98
59)	2,4-Dinitrophenol	5.46	184	32249	9366.7731553 ppb	#	41
60)	Dibenzofuran	5.59	168	363789	9707.1874050 ppb		99
61)	2,4-Dinitrotoluene	5.56	165	83714	10539.5845559 ppb		88
63)	4-Nitrophenol	5.48	139	57927	10269.5341891 ppb		86
64)	Fluorene	5.84	166	301959	9933.1298206 ppb		99
65)	4-Chlorophenyl-phenylether	5.83	204	140076	9716.6624786 ppb		96
66)	Diethyl phthalate	5.73	149	278249	9927.9939388 ppb		99
67)	4-Nitroaniline	5.84	138	71180	11128.8378074 ppb		100
68)	Azobenzene	5.95	77	286668	10253.9212561 ppb		99
71)	4,6-Dinitro-2-methylphenol	5.86	198	41701	9106.4716264 ppb		91
72)	N-Nitrosodiphenylamine	5.92	169	255428	9879.1219938 ppb		99
74)	4-Bromophenyl-phenylether	6.21	248	81712	9737.7454867 ppb		90
75)	Hexachlorobenzene	6.26	284	87977	9422.4970036 ppb		97
76)	n-octadecane	6.45	55	48997	9411.5588818 ppb		98
77)	Pentachlorophenol	6.41	266	60446	11727.4301888 ppb		97
78)	Phenanthrene	6.59	178	436867	9758.5964787 ppb		98
79)	Anthracene	6.63	178	439799	9705.6272941 ppb		99
80)	Carbazole	6.75	167	434315	10504.9193533 ppb		99
81)	Di-n-butyl phthalate	7.02	149	501071	10352.4273975 ppb		99
83)	Fluoranthene	7.63	202	448250	9425.2443016 ppb		99
86)	Pyrene	7.88	202	470291	9953.2786119 ppb		99
88)	Benzylbutyl phthalate	8.68	149	199983	10350.8994468 ppb		96
90)	Benzo(a)anthracene	9.52	228	411359	9728.4110603 ppb		99
91)	Chrysene	9.58	228	418915	10222.9958461 ppb		99
92)	bis(2-Ethylhexyl)phthalate	9.62	149	290107	10901.2883412 ppb		99
93)	Di-n-octyl phthalate	10.91	149	455827	10310.5936140 ppb		100
95)	Benzo(b)fluoranthene	11.56	252	427862	9665.9587742 ppb		99
96)	Benzo(k)fluoranthene	11.62	252	432781	9925.9826493 ppb		98
97)	Benzo(a)pyrene	12.26	252	407145	10619.8621200 ppb		98
98)	Indeno(1,2,3-cd)pyrene	14.20	276	403726	10718.3514750 ppb		98
99)	Dibenz(a,h)anthracene	14.24	278	420514	10475.1647908 ppb		98
100)	Benzo(g,h,i)perylene	14.52	276	418891	10684.6875266 ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 21.D Vial: 18
Acq On : 9 Feb 2022 3:56 pm Operator: 917
Sample : SSCV SVMS 10K PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 19 13:13 2022 Quant Results File: S804B09V.RES

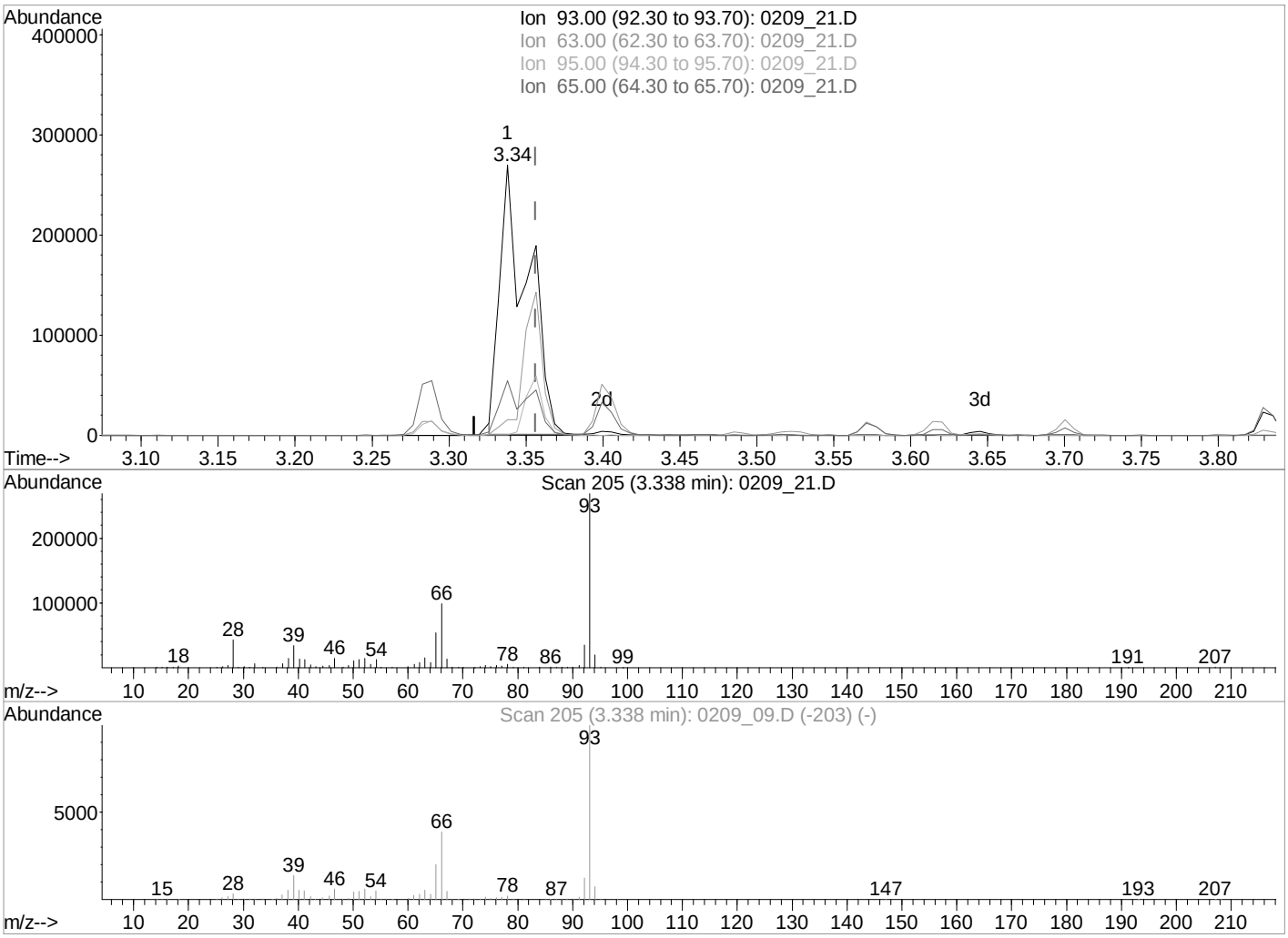
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 17:49:17 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 21.D Vial: 18
Acq On : 9 Feb 2022 3:56 pm Operator: 917
Sample : SSCV SVMS 10K PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 19 13:13 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 17:49:17 2022
Response via : Multiple Level Calibration



TIC: 0209_21.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.018) 26968.5738731 ppb

Qvalue = 37

response 344621

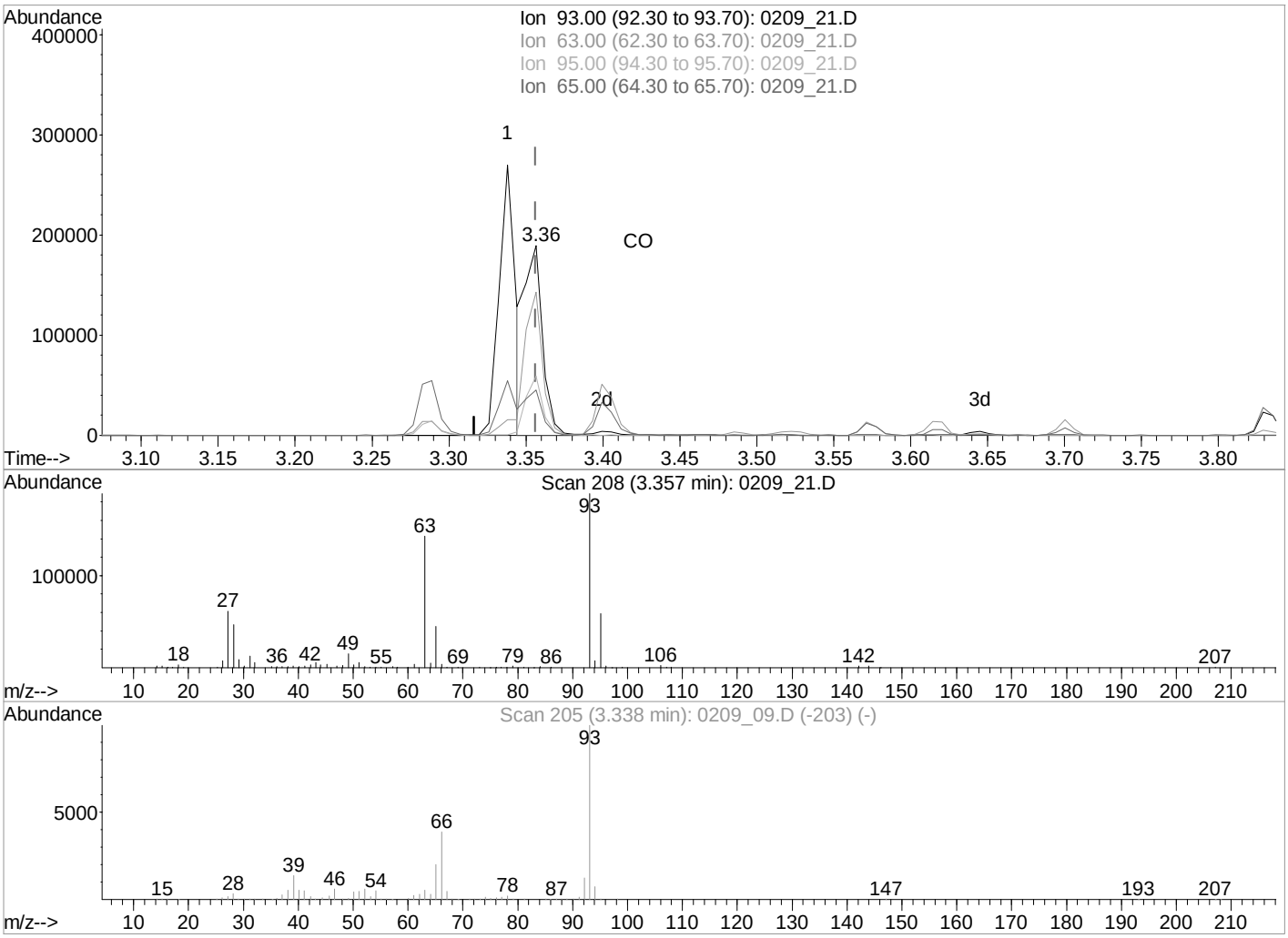
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.32#
95.00	30.20	0.19#
65.00	24.00	19.88

0209_21.D S804B09V.M Sat Feb 19 13:13:40 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 21.D Vial: 18
Acq On : 9 Feb 2022 3:56 pm Operator: 917
Sample : SSCV SVMS 10K PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 19 13:13 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 17:49:17 2022
Response via : Multiple Level Calibration



TIC: 0209_21.D

(6) bis(2-Chloroethyl)ether (MT)

3.36min (+0.000) 11899.7254383 ppb m

response 152062

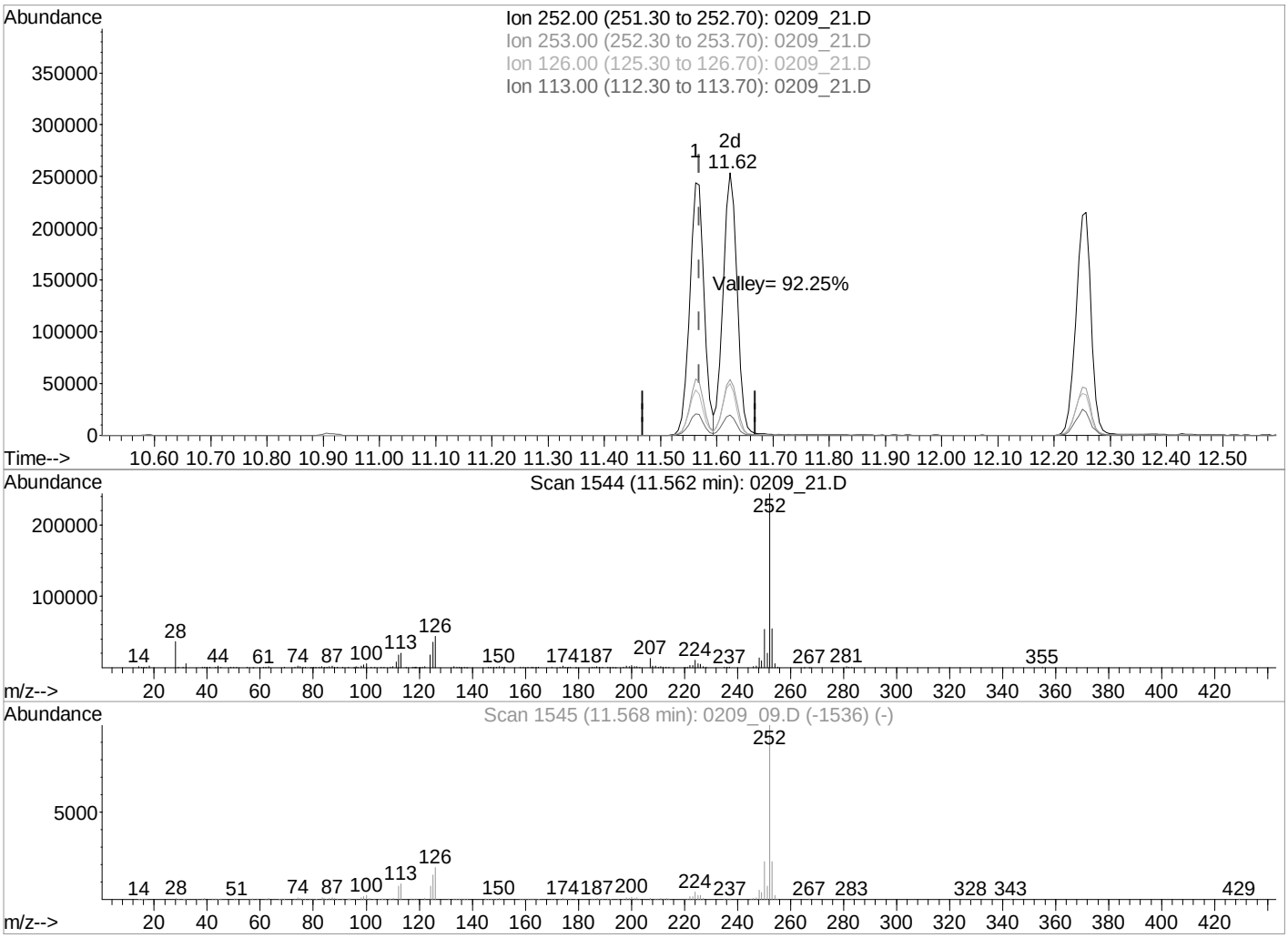
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	75.41
95.00	30.20	31.11
65.00	24.00	23.78

0209_21.D S804B09V.M Sat Feb 19 13:13:49 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 21.D Vial: 18
Acq On : 9 Feb 2022 3:56 pm Operator: 917
Sample : SSCV SVMS 10K PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 19 13:13 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 17:49:17 2022
Response via : Multiple Level Calibration



TIC: 0209_21.D

(95) Benzo(b)fluoranthene (MT)

11.56min (-0.006) 9665.9587742 ppb

Qvalue = 99

response 427862

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	22.19
126.00	18.30	17.93
113.00	8.80	8.37

0209_21.D S804B09V.M Sat Feb 19 13:14:45 2022

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488161	**Calibration (begin) date/time:**	02/09/22 10:43
Instrument ID:	BNAMS4	**Calibration (end) date/time:**	02/09/22 15:35
Lab File ID:	0209_22	**Analysis date/time:**	02/09/22 16:16
Analytical Method:	8270E	**Sample ID:**	SSCV

Analyte	Avg. RRF	RRF	Min. RRF	Diff.	Max Diff.	True Value	Result	Result	Limits
				%	*%*	*mg/l*	*mg/l*	*% Rec.*	*%*
BENZOIC ACID	0.130890	0.11422550		12.70		10	8.727	87.30	70 - 130

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 22.D Vial: 19
Acq On : 9 Feb 2022 4:16 pm Operator: 917
Sample : SSCV TCL 10K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 19 13:15 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 17:49:17 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

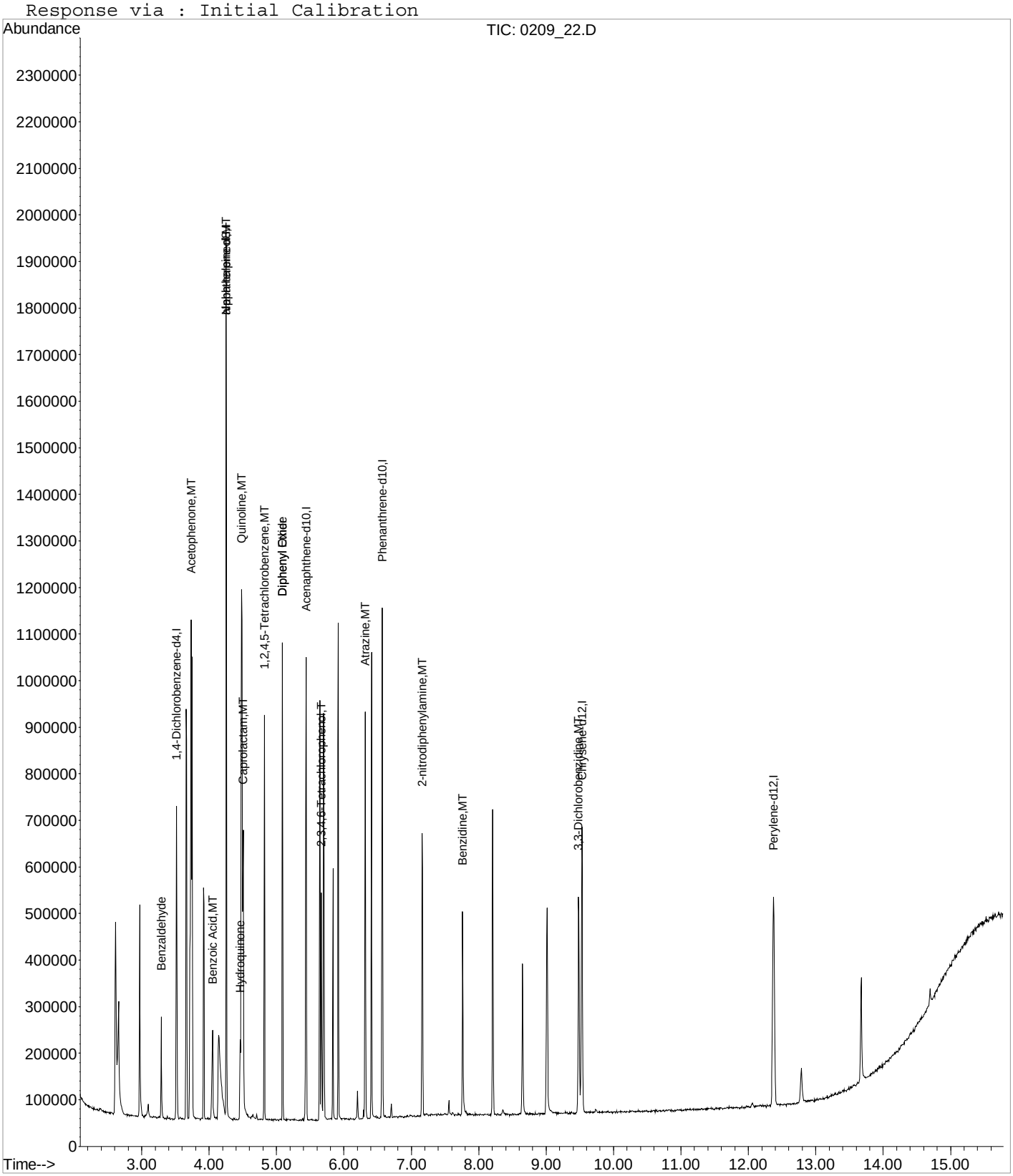
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	85079	8000.00	ppb	0.00
23) Naphthalene-d8	4.25	136	383109	8000.00	ppb	0.00
46) Acenaphthene-d10	5.44	164	171657	8000.00	ppb	0.00
70) Phenanthrene-d10	6.57	188	322325	8000.00	ppb	0.00
84) Chrysene-d12	9.53	240	279649	8000.00	ppb	0.00
94) Perylene-d12	12.37	264	289195	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
7) Phenol-d5	0.00	99	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.00	82	0d	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.00	172	0d	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.00	244	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.29	105	37078	9798.3476806	ppb	95
22) Acetophenone	3.73	105	170064	9665.7562550	ppb #	83
31) Benzoic Acid	4.05	105	54701	8726.7995983	ppb	99
33) alpha-terpineol	4.25	59	122109	10160.5025665	ppb	99
37) Hydroquinone	4.46	110	38203	4269.0301296	ppb	96
38) Quinoline	4.48	129	266786	10450.3090905	ppb	100
39) Caprolactam	4.50	113	34287	12988.4396711	ppb #	51
43) 1,2,4,5-Tetrachlorobenzene	4.82	216	109368	10665.4487633	ppb	98
44) Diphenyl Ether	5.09	170	160063	9785.0929631	ug/ml	99
45) Diphenyl Oxide	5.09	170	160063	9785.0929631	ug/ml	99
62) 2,3,4,6-Tetrachlorophenol	5.67	232	44534	9097.6464207	ppb	97
69) Atrazine	6.32	200	72810	10372.2835887	ppb	98
82) 2-nitrodiphenylamine	7.16	167	77558	9540.6082926	ppb #	100
85) Benzidine	7.76	184	172118	10413.7591707	ppb	99
89) 3,3-Dichlorobenzidine	9.48	252	141066	9798.2449383	ppb	99

(#) = qualifier out of range (m) = manual integration
0209_22.D S804B09V.M Sat Feb 19 13:16:13 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 22.D Vial: 19
Acq On : 9 Feb 2022 4:16 pm Operator: 917
Sample : SSCV TCL 10K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 19 13:15 2022 Quant Results File: S804B09V.RES

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 17:49:17 2022
Response via : Initial Calibration



7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488161	**Calibration (begin) date/time:**	02/09/22 10:43
Instrument ID:	BNAMS4	**Calibration (end) date/time:**	02/09/22 15:35
Lab File ID:	0512_03	**Analysis date/time:**	05/12/22 05:16
Analytical Method:	8270E	**Sample ID:**	ICV

Analyte	Avg. RRF	RRF	Min. RRF	Diff.	Max Diff.	True Value	Result	Result	Limits
				%	%	mg/l	mg/l	% Rec.	%
1-METHYLNAPHTHALENE	0.623837	0.59078380		5.30	20	10	9.470	94.70	
2-METHYLNAPHTHALENE	0.663826	0.61807470	0.40	6.89	20	10	9.311	93.10	
3&4-METHYL PHENOL	1.350649	1.455086	0.60	7.73	20	10	10.77	108	
ACENAPHTHENE	1.170435	1.184399	0.90	1.19	20	10	10.12	101	
ACENAPHTHYLENE	1.779211	1.743090	0.90	2.03	20	10	9.797	98	
ANTHRACENE	1.065424	1.038110	0.70	2.56	20	10	9.744	97.40	
BENZO(A)ANTHRACENE	1.151953	1.054229	0.80	8.48	20	10	9.152	91.50	
BENZO(A)PYRENE	0.987052	0.94596170	0.70	4.16	20	10	9.584	95.80	
BENZO(B)FLUORANTHENE	1.139642	1.075083	0.70	5.66	20	10	9.434	94.30	
BENZO(G,H,I)PERYLENE	1.009366	1.059084	0.50	4.93	20	10	10.49	105	
BENZO(K)FLUORANTHENE	1.122546	1.121056	0.70	0.1330	20	10	9.987	99.90	
BIS(2-ETHYLHEXYL)PHTHALATE	0.724997	0.77686980	0.01	7.15	20	10	10.72	107	
CARBAZOLE	0.972084	0.92941380	0.01	4.39	20	10	9.561	95.60	
CHRYSENE	1.116357	1.022902	0.70	8.37	20	10	9.163	91.60	
DI-N-BUTYL PHTHALATE	1.138017	1.276980	0.01	12.20	20	10	11.22	112	
DI-N-OCTYL PHTHALATE	1.204403	1.152355	0.01	4.32	20	10	9.568	95.70	
DIBENZ(A,H)ANTHRACENE	1.033545	1.047535	0.40	1.35	20	10	10.14	101	
DIBENZOFURAN	1.623192	1.548079	0.80	4.63	20	10	9.537	95.40	
FLUORANTHENE	1.1182	1.080620	0.60	3.36	20	10	9.664	96.60	
FLUORENE	1.316666	1.284528	0.90	2.44	20	10	9.756	97.60	
INDENO(1,2,3-CD)PYRENE	0.969769	0.93817440	0.50	3.26	20	10	9.674	96.70	
NAPHTHALENE	1.018747	0.955386	0.70	6.22	20	10	9.378	93.80	
PENTACHLOROPHENOL	0.121187	0.10241530	0.05	15.50	20	10	8.451	84.50	
PHENANTHRENE	1.052577	1.045431	0.70	0.6790	20	10	9.932	99.30	
PHENOL	1.643512	1.6564	0.80	0.7840	20	10	10.08	101	
PYRENE	1.287230	1.154415	0.60	10.30	20	10	8.968	89.70	
2,4,6-TRIBROMOPHENOL	0.090561	0.09682968		6.92	20	10	10.69	107	70 - 130
2-FLUOROBIPHENYL	1.349543	1.351784		0.1660	20	10	10.02	100	70 - 130
2-FLUOROPHENOL	1.299982	1.294497		0.4220	20	10	9.958	99.60	70 - 130
NITROBENZENE-D5	0.339442	0.366194		7.88	20	10	10.79	108	70 - 130
P-TERPHENYL-D14	1.093292	1.035612		5.28	20	10	9.472	94.70	70 - 130
PHENOL-D5	1.560263	1.618398		3.73	20	10	10.37	104	70 - 130

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 03.D Vial: 3
Acq On : 12 May 2022 5:16 am Operator: 3545
Sample : ICVMSC SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 8:49 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	58440	8000.00 ppb	0.00
23) Naphthalene-d8	3.98	136	243744	8000.00 ppb	0.00
46) Acenaphthene-d10	5.15	164	121507	8000.00 ppb	0.00
70) Phenanthrene-d10	6.26	188	225435	8000.00 ppb	0.00
84) Chrysene-d12	9.01	240	215510	8000.00 ppb	0.00
94) Perylene-d12	11.66	264	203511	8000.00 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.58	112	94563	9957.8044797 ppb	0.00
Spiked Amount 20000.000			Recovery = 49.79%		
7) Phenol-d5	3.03	99	118224	10372.6012977 ppb	0.00
Spiked Amount 20000.000			Recovery = 51.86%		
24) Nitrobenzene-d5	3.56	82	111572m	10788.1232904 ppb	0.00
Spiked Amount 10000.000			Recovery = 107.88%		
50) 2-Fluorobiphenyl	4.67	172	205314	10016.6040107 ppb	0.00
Spiked Amount 10000.000			Recovery = 100.17%		
73) 2,4,6-Tribromophenol	5.72	330	27286	10692.2206649 ppb	0.00
Spiked Amount 20000.000			Recovery = 53.46%		
87) p-Terphenyl-d14	7.65	244	278981	9472.4248540 ppb	0.00
Spiked Amount 10000.000			Recovery = 94.72%		
Target Compounds					Qvalue
2) Pyridine	2.00	79	112656	12458.6628230 ppb	89
3) N-Nitrosodimethylamine	1.99	42	64148	13217.4179903 ppb	97
5) Aniline	3.08	66	59561	11015.4863458 ppb #	35
6) bis(2-Chloroethyl)ether	3.09	93	103931m	12374.4576688 ppb	
8) Phenol	3.04	94	121000	10078.4160060 ppb	89
10) 2-Chlorophenol	3.14	128	99230	10322.8324863 ppb	94
11) n-Decane	3.14	41	73336	12952.2916011 ppb	95
12) 1,3-Dichlorobenzene	3.22	146	107568	9896.8891833 ppb	92
13) 1,4-Dichlorobenzene	3.26	146	110595	9886.0073988 ppb	94
14) Benzyl Alcohol	3.32	79	75509	10156.2710746 ppb	98
15) 1,2-Dichlorobenzene	3.35	146	103736	10087.5276257 ppb	93
16) bis(2-Chloroisopropyl)ethe	3.38	121	34548	9817.6332039 ppb #	34
17) 2,2-oxybis(1-chloropropane	3.38	121	34548	9817.6332039 ppb #	34
18) 2-Methylphenol	3.36	108	94295	10855.7219953 ppb	93
19) Hexachloroethane	3.54	117	48015	11823.7388262 ppb	98
20) N-Nitrosodi-n-propylamine	3.46	70	75946	11964.2099710 ppb	96
21) 3&4-Methyl phenol	3.45	107	106294	10773.2324652 ppb	92
25) Nitrobenzene	3.57	77	109813	10859.4493247 ppb	97
26) Isophorone	3.70	82	211607	11665.2362936 ppb	98
27) 2-Nitrophenol	3.75	139	52628	10325.6756397 ppb	90
28) 2,4-Dimethylphenol	3.76	107	79579	8407.0548620 ppb	92
29) bis(2-Chlorethoxy)methane	3.81	93	120019	10347.8070880 ppb	91
30) 2,4-Dichlorophenol	3.89	162	78708	9870.3604360 ppb	96
32) 1,2,4-Trichlorobenzene	3.94	180	86187	9655.6613271 ppb	96
34) Naphthalene	4.00	128	291087	9378.0507276 ppb	98
35) 4-Chloroaniline	4.02	65	39223	10875.6569019 ppb #	44
36) Hexachloro-1,3-butadiene	4.06	225	54619	11216.6969230 ppb	98
40) 4-Chloro-3-methylphenol	4.31	107	79984	9950.5028150 ppb #	79
41) 2-Methylnaphthalene	4.43	142	188315	9310.7879615 ppb #	95
42) 1-Methylnaphthalene	4.49	142	180000	9470.1585585 ppb #	97
47) Hexachlorocyclopentadiene	4.53	237	38555	6772.6685134 ppb	96
48) 2,4,6-Trichlorophenol	4.61	196	51983	9863.7469879 ppb	94
49) 2,4,5-Trichlorophenol	4.64	196	55621	10141.1681604 ppb	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 03.D Vial: 3
Acq On : 12 May 2022 5:16 am Operator: 3545
Sample : ICVMSC SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 8:49 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

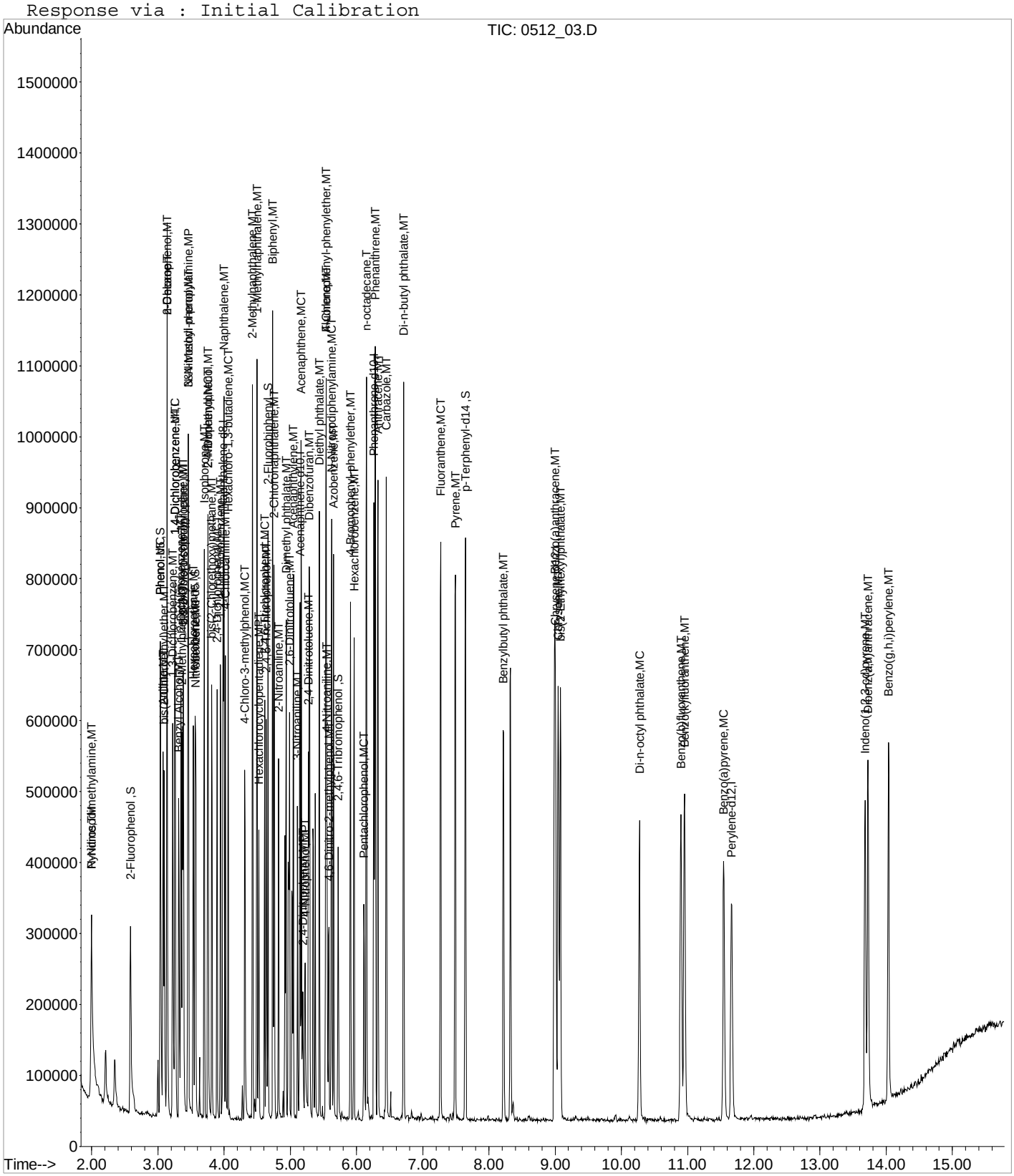
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
51)	Biphenyl	4.73	154	230803	10140.2864663 ppb		99
52)	2-Chloronaphthalene	4.75	162	174675	10055.8145360 ppb		95
53)	2-Nitroaniline	4.82	138	57279	10637.7343118 ppb	#	87
54)	Acenaphthylene	5.05	152	264747	9796.9815168 ppb		98
55)	Dimethyl phthalate	4.94	163	190221	10569.9790524 ppb		99
56)	2,6-Dinitrotoluene	4.99	165	45373	10874.3698051 ppb		82
57)	3-Nitroaniline	5.11	138	48008	10686.5551772 ppb		98
58)	Acenaphthene	5.16	153	179891	10119.3100475 ppb		95
59)	2,4-Dinitrophenol	5.19	184	20311	8990.2173629 ppb	#	1
60)	Dibenzofuran	5.29	168	235128	9537.2507980 ppb		93
61)	2,4-Dinitrotoluene	5.27	165	60529	11584.1427349 ppb	#	73
63)	4-Nitrophenol	5.23	139	32194	8676.0021304 ppb	#	82
64)	Fluorene	5.54	166	195099	9755.9188432 ppb		100
65)	4-Chlorophenyl-phenylether	5.53	204	92543	9758.2504916 ppb		90
66)	Diethyl phthalate	5.44	149	199803	10836.8958214 ppb		99
67)	4-Nitroaniline	5.56	138	48174	11449.3159492 ppb	#	75
68)	Azobenzene	5.66	77	223023	12126.4985004 ppb		92
71)	4,6-Dinitro-2-methylphenol	5.58	198	30268	9936.8340399 ppb		94
72)	N-Nitrosodiphenylamine	5.62	169	160343	9360.0170719 ppb		97
74)	4-Bromophenyl-phenylether	5.91	248	58451	10513.3546485 ppb		89
75)	Hexachlorobenzene	5.96	284	64943	10497.9861765 ppb		99
76)	n-octadecane	6.15	55	39229	11373.0278281 ppb		94
77)	Pentachlorophenol	6.12	266	28860	8451.0059343 ppb		96
78)	Phenanthrene	6.28	178	294596	9932.1153784 ppb		99
79)	Anthracene	6.32	178	292533	9743.6354709 ppb		98
80)	Carbazole	6.45	167	261903	9561.0404869 ppb		98
81)	Di-n-butyl phthalate	6.71	149	359845	11221.0936815 ppb		99
83)	Fluoranthene	7.27	202	304512	9663.9243083 ppb		99
86)	Pyrene	7.49	202	310985	8968.2137395 ppb		98
88)	Benzylbutyl phthalate	8.22	149	144575	10196.3615523 ppb		98
90)	Benzo(a)anthracene	8.99	228	283996	9151.6657023 ppb		96
91)	Chrysene	9.05	228	275557	9162.8533548 ppb		98
92)	bis(2-Ethylhexyl)phthalate	9.08	149	209279	10715.4961724 ppb		93
93)	Di-n-octyl phthalate	10.27	149	310430	9567.8492404 ppb		99
95)	Benzo(b)fluoranthene	10.90	252	273489	9433.5159110 ppb		96
96)	Benzo(k)fluoranthene	10.96	252	285184	9986.7225195 ppb		94
97)	Benzo(a)pyrene	11.55	252	240642	9583.7108531 ppb		96
98)	Indeno(1,2,3-cd)pyrene	13.68	276	238661	9674.2038139 ppb		95
99)	Dibenz(a,h)anthracene	13.73	278	266481m	10135.3594492 ppb		
100)	Benzo(g,h,i)perylene	14.03	276	269419	10492.5613567 ppb		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 03.D Vial: 3
Acq On : 12 May 2022 5:16 am Operator: 3545
Sample : ICVMSC SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 8:49 2022 Quant Results File: S804E04BV.RES

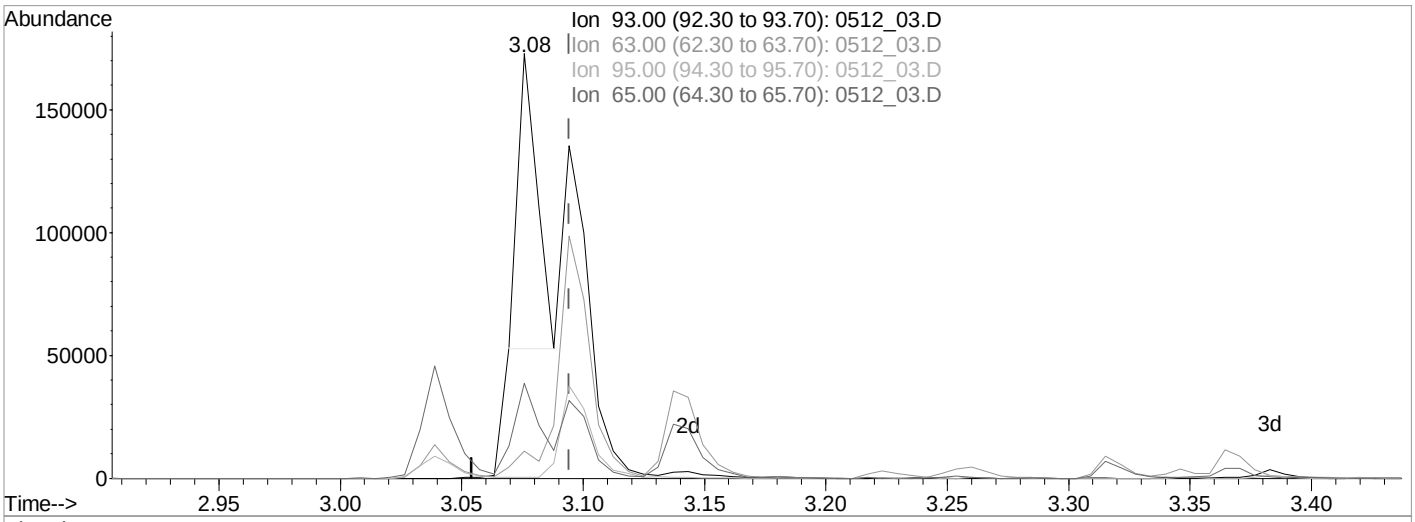
Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration

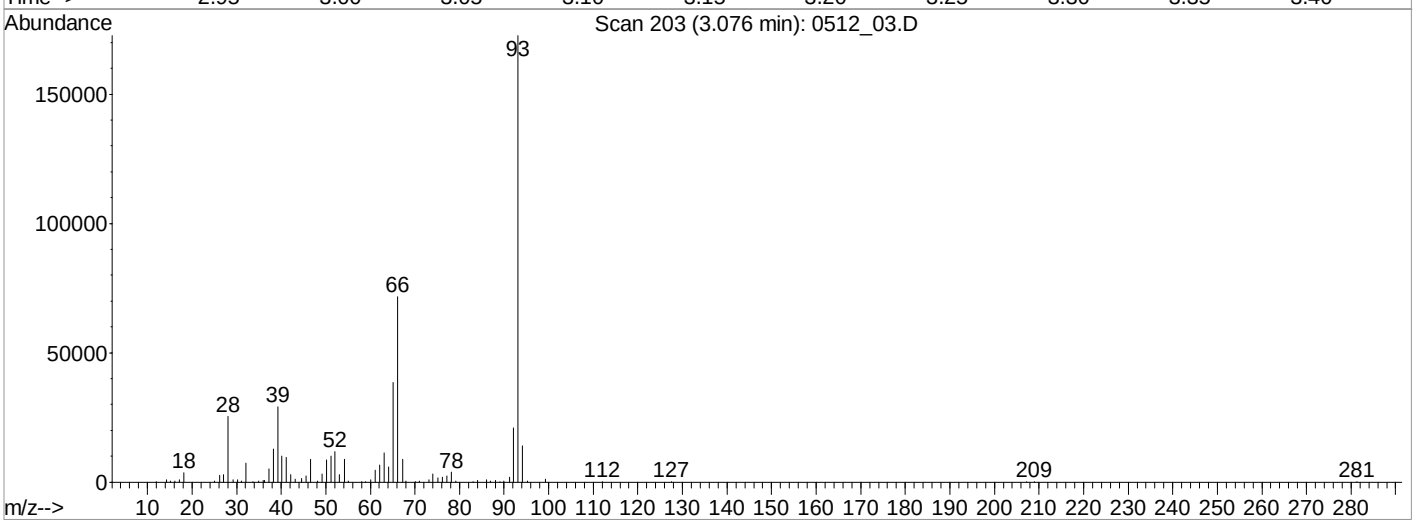


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 03.D Vial: 3
Acq On : 12 May 2022 5:16 am Operator: 3545
Sample : ICV SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 9:10 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration





TIC: 0512_03.D

(6) bis(2-Chloroethyl)ether (MT)

3.08min (-0.019) 7794.6545857 ppb

Qvalue = 39

response 65466

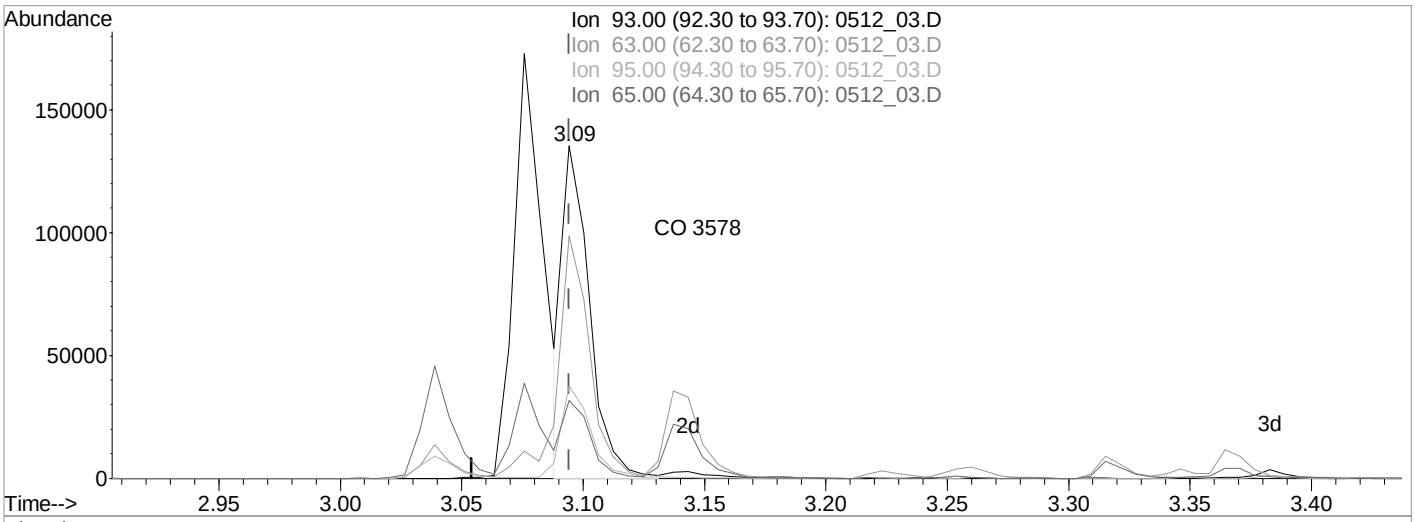
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.52#
95.00	30.20	0.12#
65.00	24.00	22.79

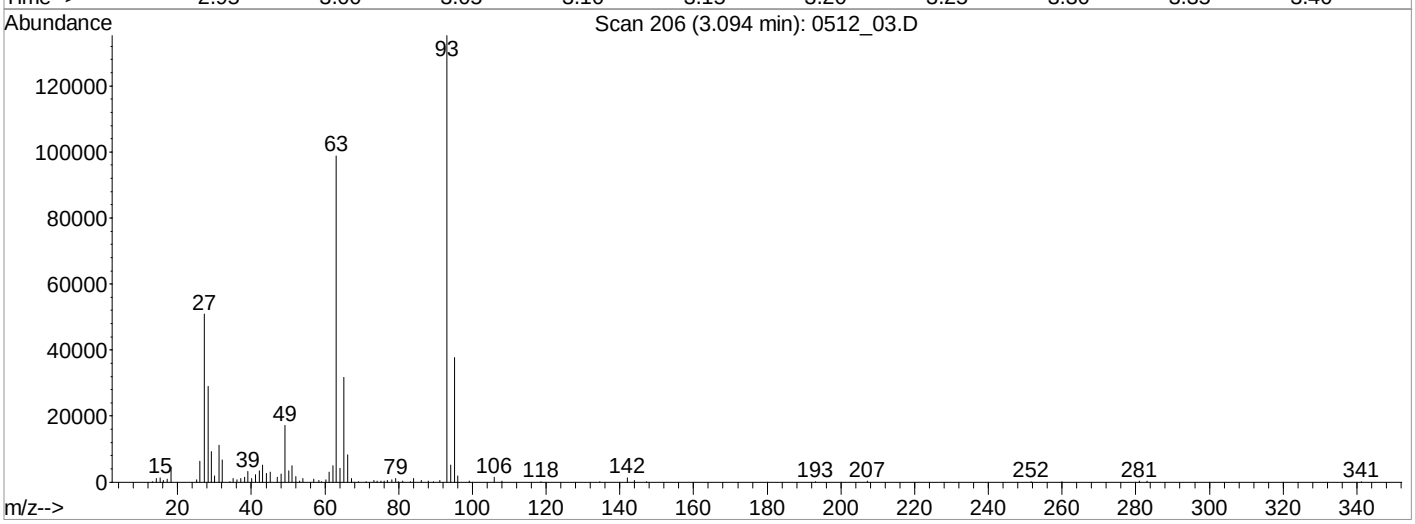
0512_03.D S804E04BV.M Thu May 12 09:11:21 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 03.D Vial: 3
Acq On : 12 May 2022 5:16 am Operator: 3545
Sample : ICV SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 9:10 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration





TIC: 0512_03.D

(6) bis(2-Chloroethyl)ether (MT)

3.08min (-0.019) 7794.6545857 ppb

Qvalue = 39

response 65466

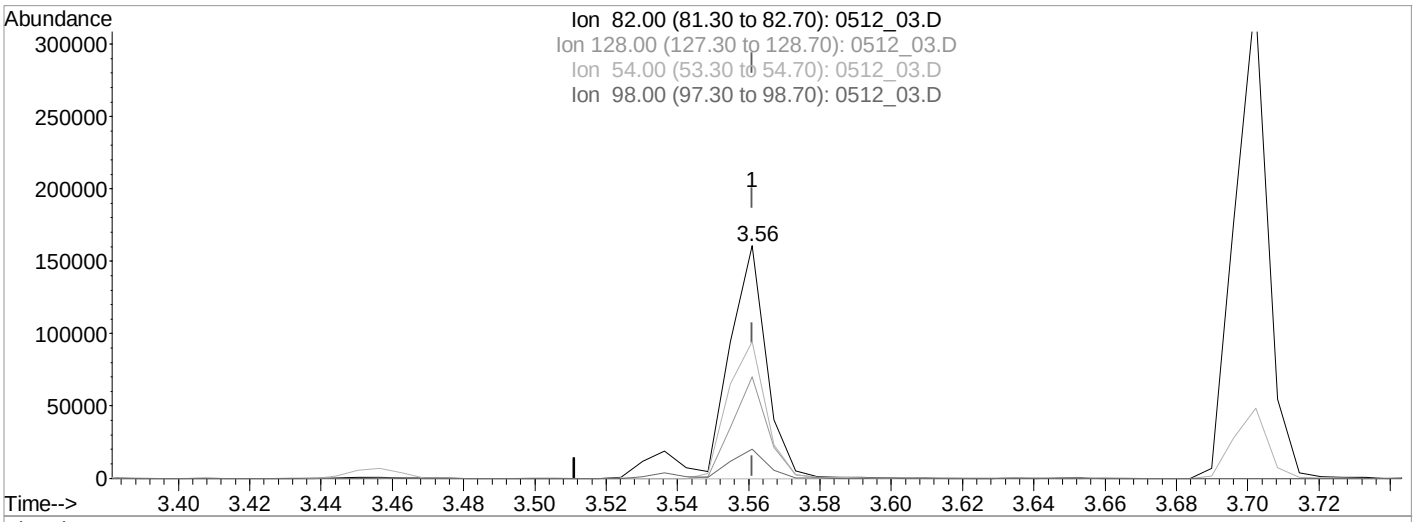
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.52#
95.00	30.20	0.12#
65.00	24.00	22.79

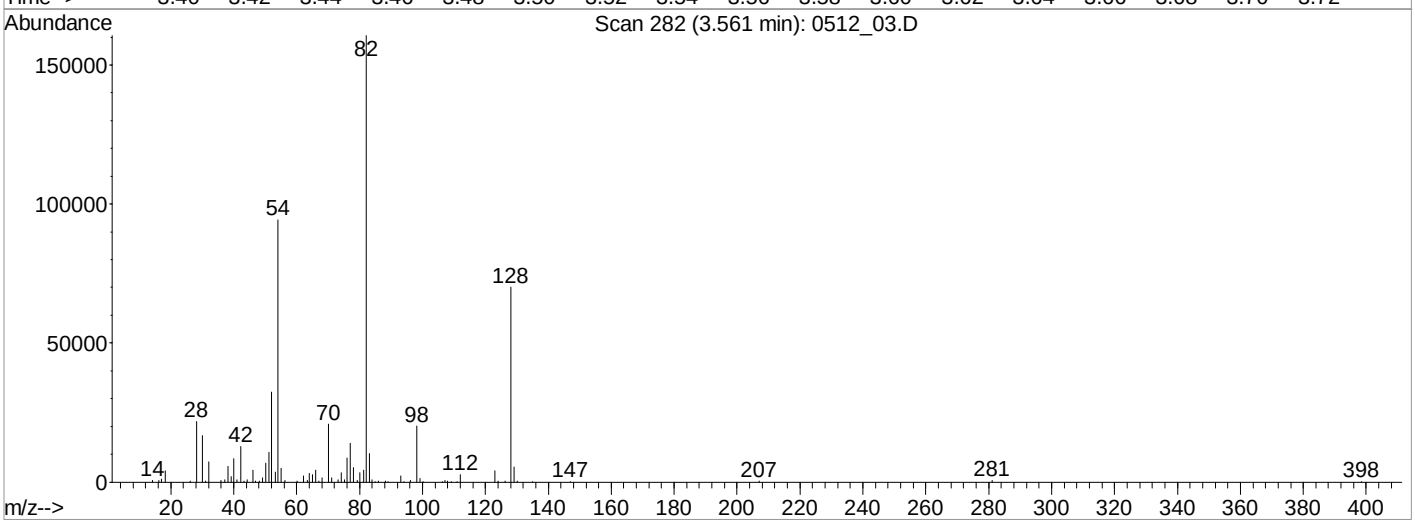
0512_03.D S804E04BV.M Thu May 12 09:11:35 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 03.D Vial: 3
Acq On : 12 May 2022 5:16 am Operator: 3545
Sample : ICV SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 9:10 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration





TIC: 0512_03.D

(24) Nitrobenzene-d5 (S)

3.56min (-0.000) 12351.8268169 ppb

Qvalue = 95

response 127744

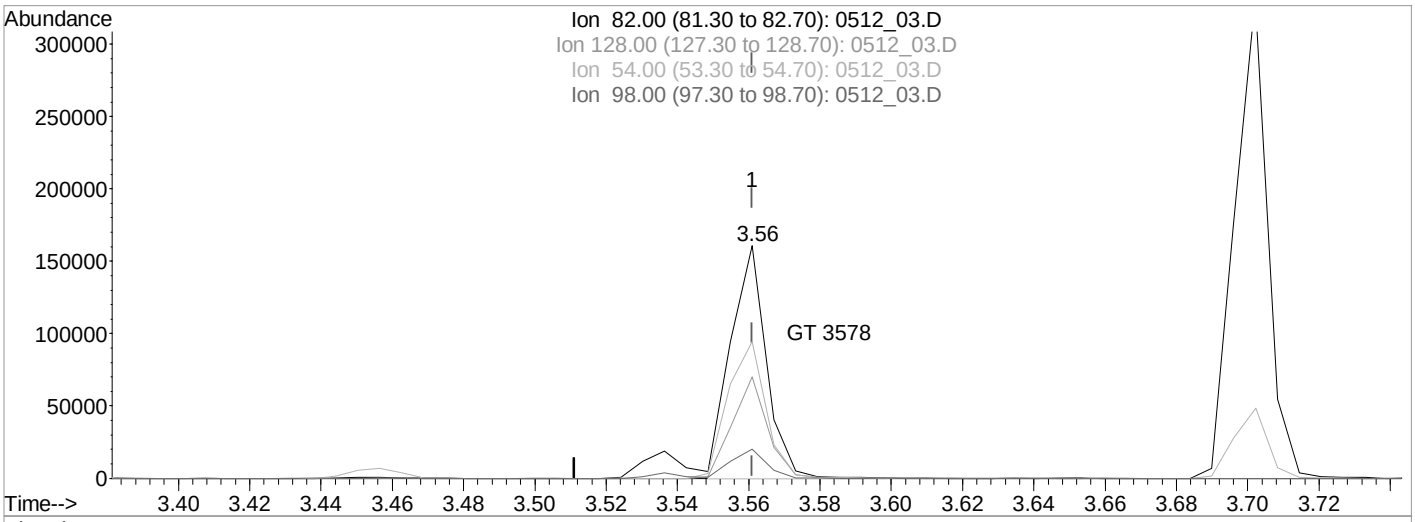
Ion	Exp%	Act%
82.00	100	100
128.00	49.30	43.69
54.00	56.90	58.59
98.00	11.80	12.56

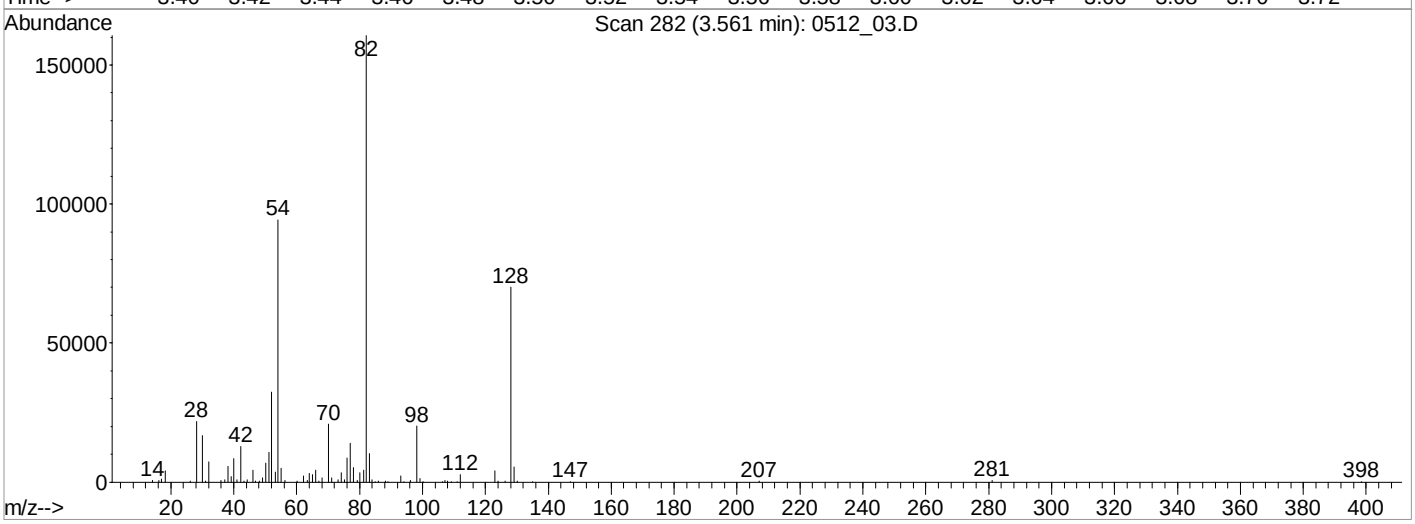
0512_03.D S804E04BV.M Thu May 12 09:11:57 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 03.D Vial: 3
Acq On : 12 May 2022 5:16 am Operator: 3545
Sample : ICV SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 9:12 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration





TIC: 0512_03.D

(24) Nitrobenzene-d5 (S)

3.56min (-0.000) 10788.1232904 ppb m

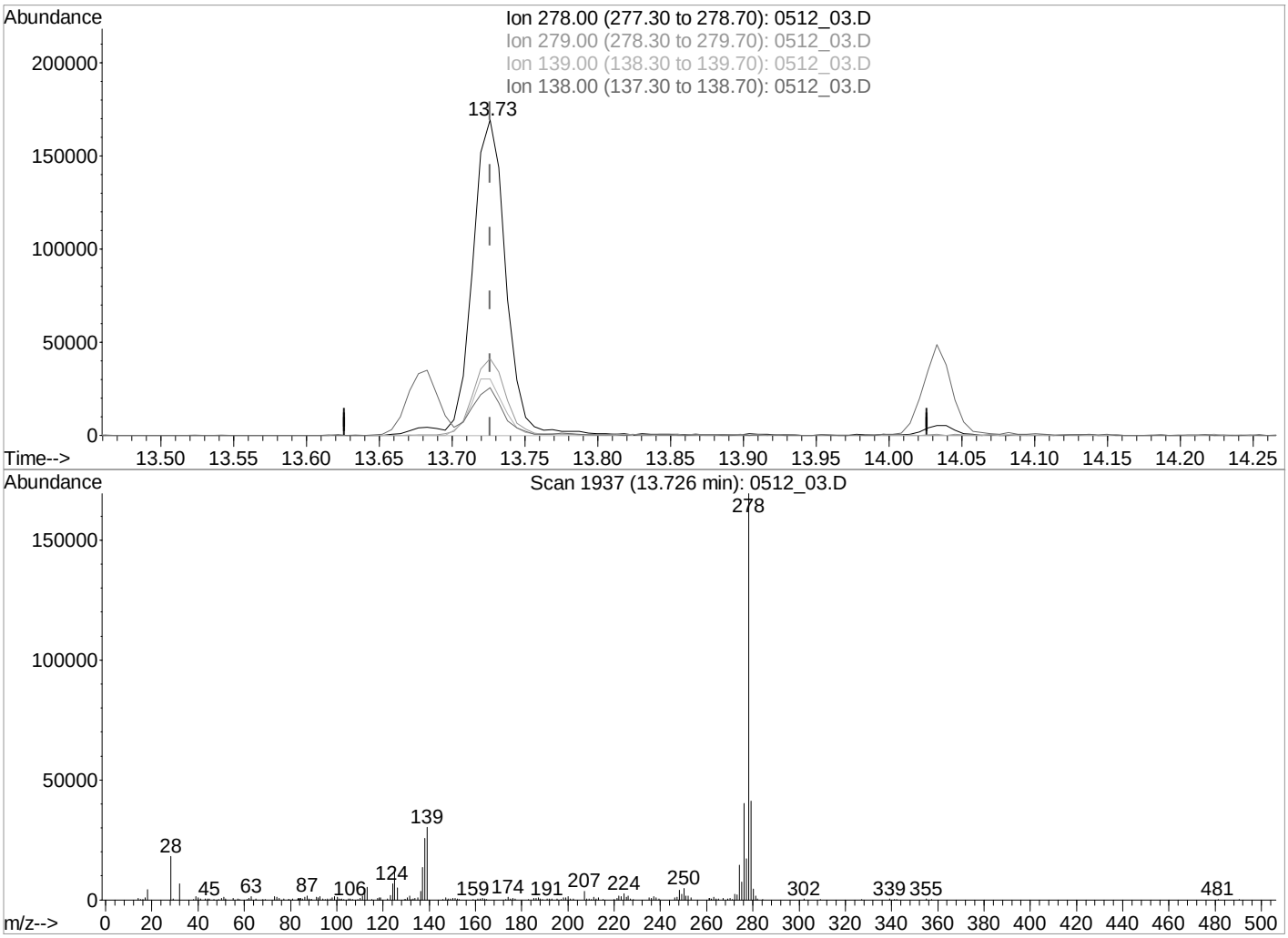
response 111572

Ion	Exp%	Act%
82.00	100	100
128.00	49.30	43.69
54.00	56.90	58.69
98.00	11.80	12.56

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 03.D Vial: 3
Acq On : 12 May 2022 5:16 am Operator: 3545
Sample : ICV SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 9:12 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0512_03.D

(99) Dibenz(a,h)anthracene (MT)

13.73min (-0.000) 10410.1937053 ppb

Qvalue = 96

response 273707

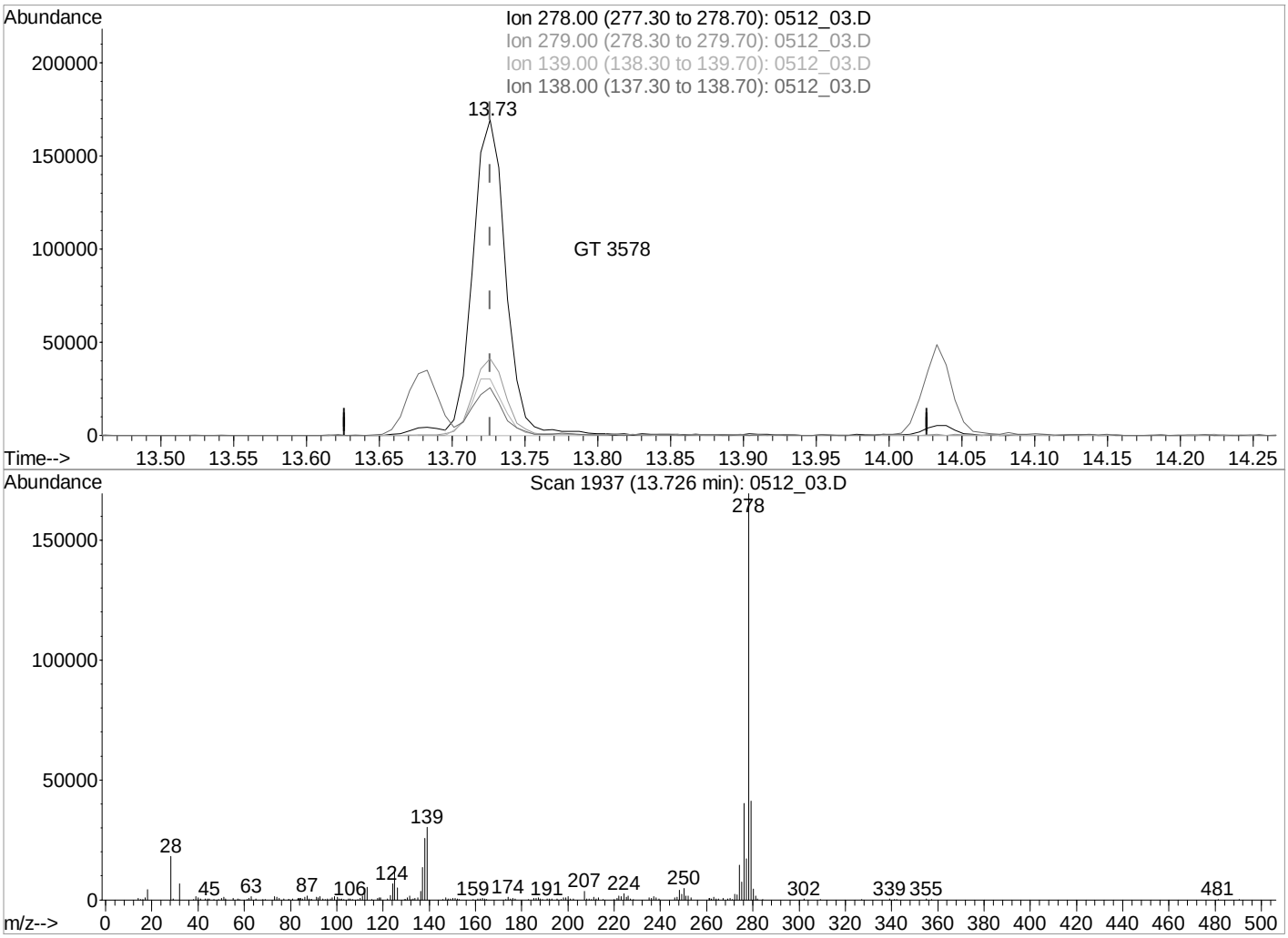
Ion	Exp%	Act%
278.00	100	100
279.00	24.40	24.24
139.00	22.10	17.90
138.00	16.70	14.97

0512_03.D S804E04BV.M Thu May 12 09:13:08 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 03.D Vial: 3
Acq On : 12 May 2022 5:16 am Operator: 3545
Sample : ICV SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 9:13 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0512_03.D

(99) Dibenz(a,h)anthracene (MT)

13.73min (-0.000) 10135.3594492 ppb m

response 266481

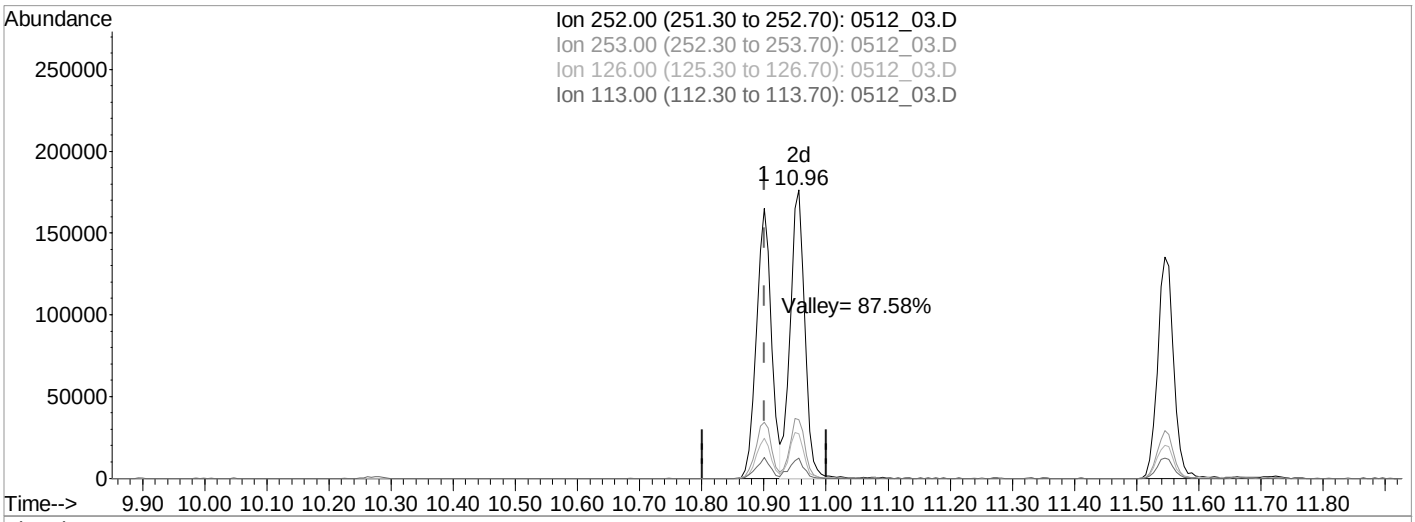
Ion	Exp%	Act%
278.00	100	100
279.00	24.40	24.24
139.00	22.10	17.90
138.00	16.70	15.06

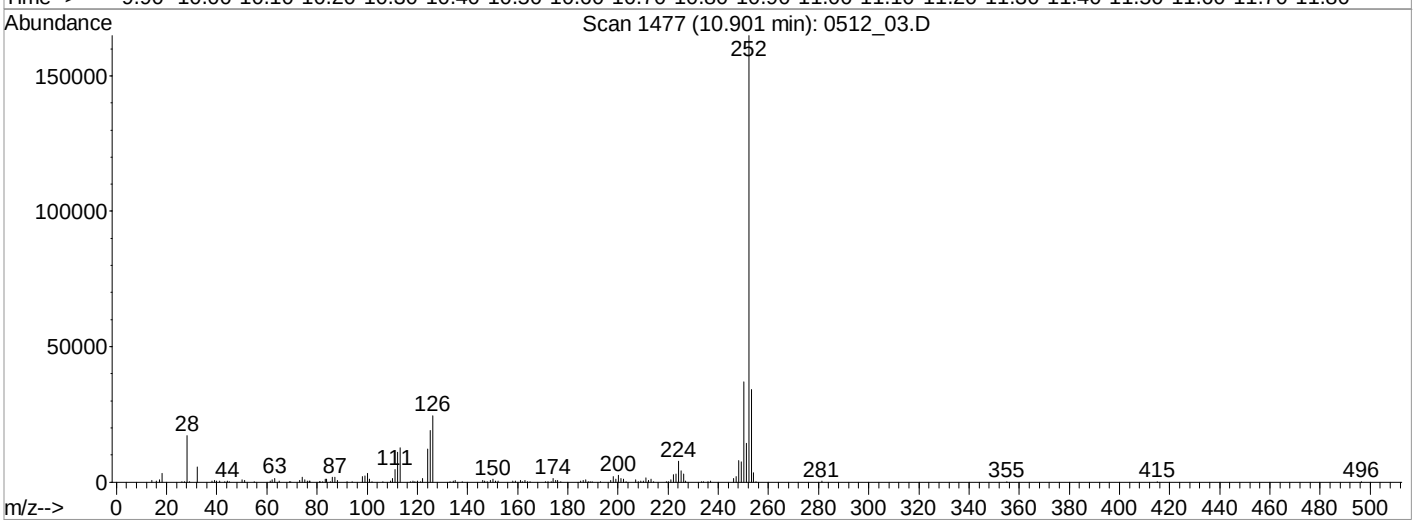
0512_03.D S804E04BV.M Thu May 12 09:13:15 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 03.D Vial: 3
Acq On : 12 May 2022 5:16 am Operator: 3545
Sample : ICV SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 9:13 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration





TIC: 0512_03.D

(95) Benzo(b)fluoranthene (MT)

10.90min (-0.000) 9433.5159110 ppb

Qvalue = 96

response 273489

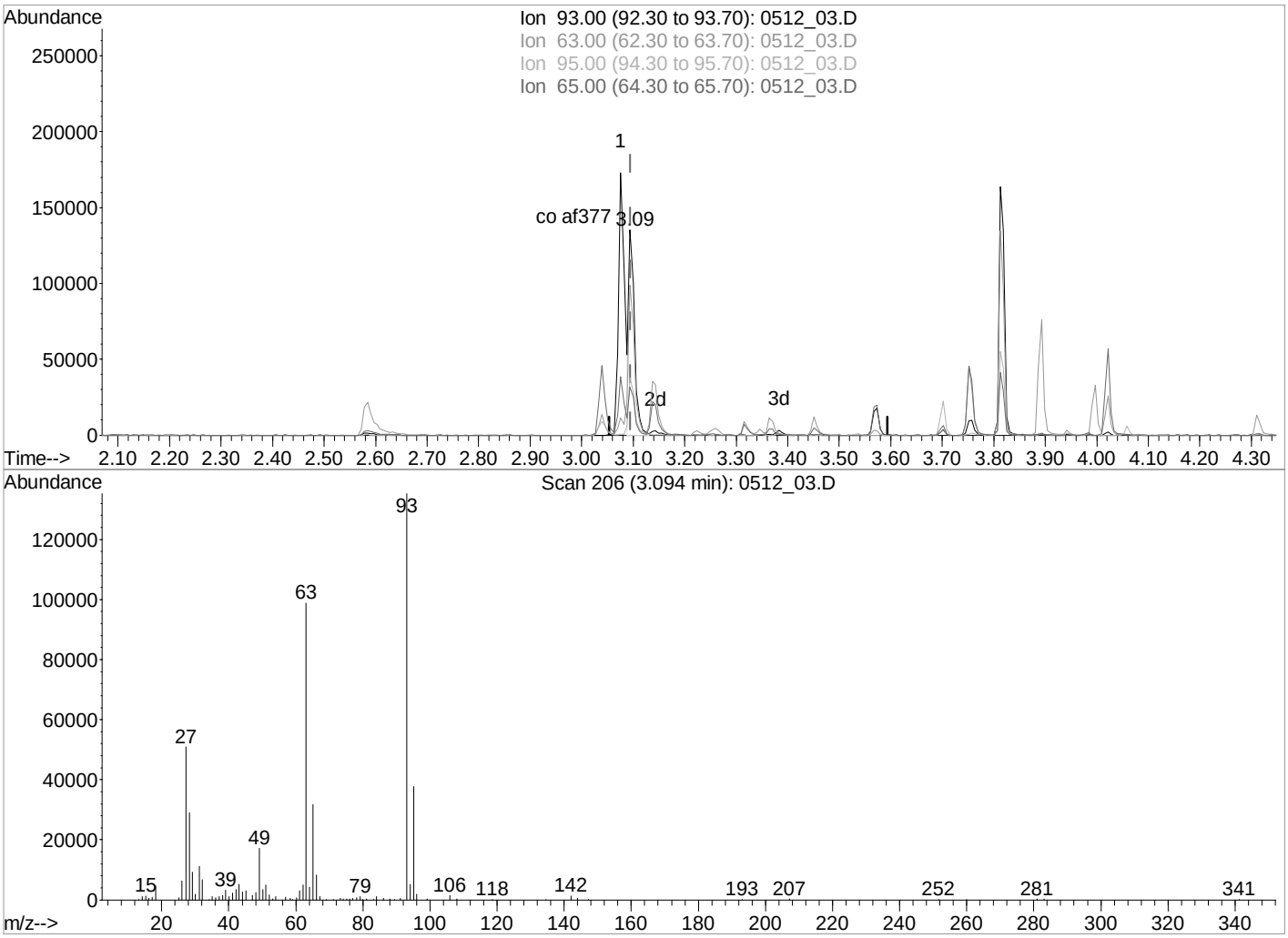
Ion	Exp%	Act%
252.00	100	100
253.00	21.60	20.95
126.00	18.30	14.92
113.00	8.80	7.84

0512_03.D S804E04BV.M Thu May 12 09:13:29 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 03.D Vial: 3
Acq On : 12 May 2022 5:16 am Operator: 3545
Sample : ICV SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 8:49 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0512_03.D

(6) bis(2-Chloroethyl)ether (MT)

3.09min (-0.000) 12374.4576688 ppb m

response 103931

Ion	Exp%	Act%
93.00	100	100
63.00	76.20	72.94
95.00	30.20	27.88
65.00	24.00	23.40

0512_03.D S804E04BV.M Fri May 13 08:50:10 2022

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488161	**Calibration (begin) date/time:**	02/09/22 10:43
Instrument ID:	BNAMS4	**Calibration (end) date/time:**	02/09/22 15:35
Lab File ID:	0512_04	**Analysis date/time:**	05/12/22 05:37
Analytical Method:	8270E	**Sample ID:**	ICV

Analyte	Avg. RRF	RRF	Min. RRF	Diff.	Max Diff.	True Value	Result	Result	Limits
				%	*%*	*mg/l*	*mg/l*	*% Rec.*	*%*
BENZOIC ACID	0.130890	0.12091910		7.62	20	10	9.238	92.40	

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 04.D Vial: 4
Acq On : 12 May 2022 5:37 am Operator: 3545
Sample : ICV TCL 10K1 PPB 22D19628 exp 09/10/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 9:14 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

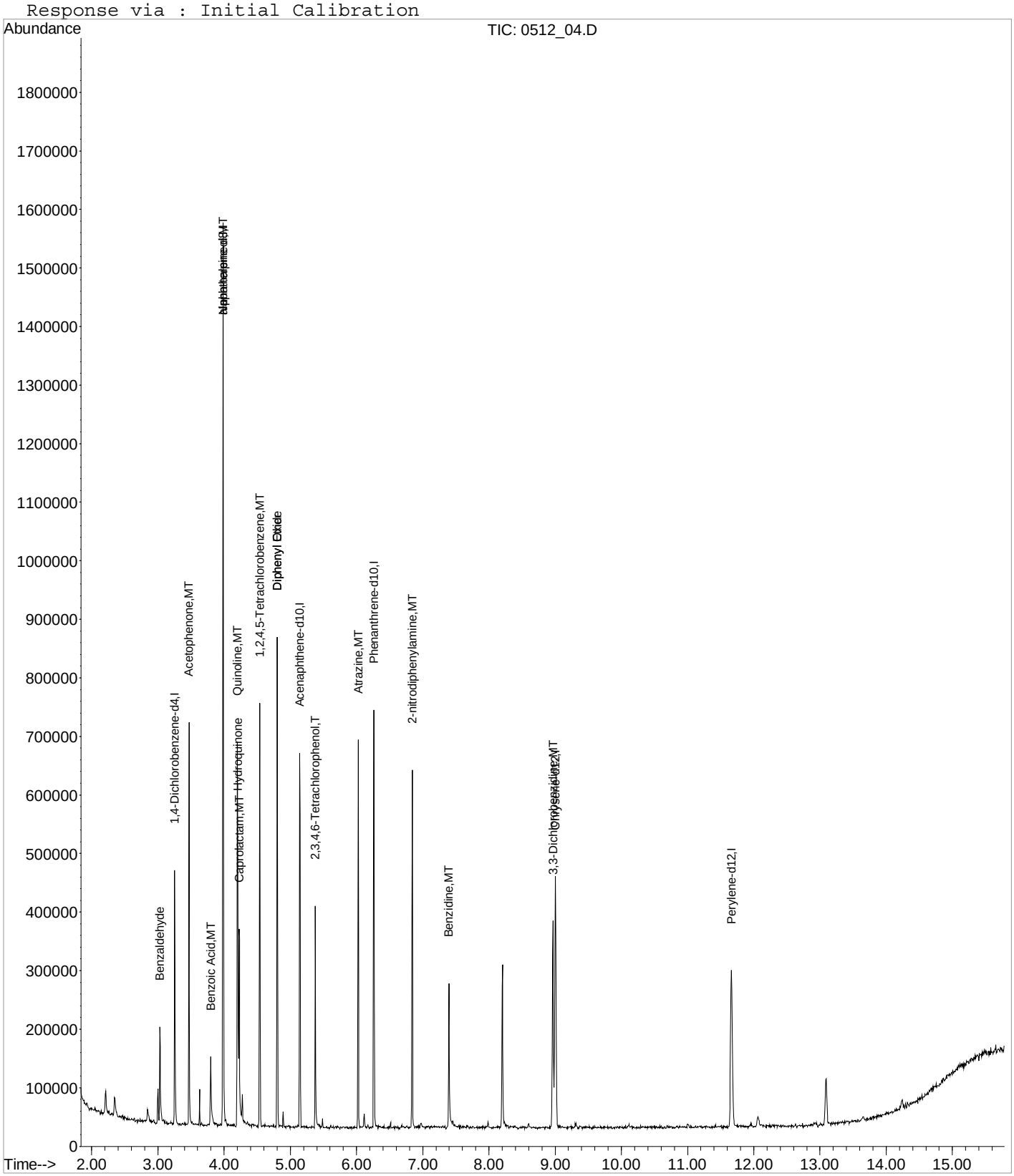
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	55679	8000.00	ppb	0.00
23) Naphthalene-d8	3.98	136	244944	8000.00	ppb	0.00
46) Acenaphthene-d10	5.14	164	109355	8000.00	ppb	0.00
70) Phenanthrene-d10	6.26	188	198337	8000.00	ppb	0.00
84) Chrysene-d12	9.00	240	194596	8000.00	ppb	0.00
94) Perylene-d12	11.66	264	174434	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
7) Phenol-d5	0.00	99	0d	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.00	82	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.00	172	0d	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.00	244	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.03	105	30895	12475.4349239	ppb	92
22) Acetophenone	3.47	105	129450	11242.3332371	ppb	92
31) Benzoic Acid	3.80	105	37023	9238.1900631	ppb	93
33) alpha-terpineol	3.98	59	93380	12152.8163126	ppb	98
37) Hydroquinone	4.21	110	39390	7231.3116452	ppb	95
38) Quinoline	4.20	129	161923	9920.4230019	ppb	94
39) Caprolactam	4.23	113	21369	12660.9776447	ppb #	71
43) 1,2,4,5-Tetrachlorobenzene	4.54	216	76665	11693.4200934	ppb	98
44) Diphenyl Ether	4.80	170	104410	9983.2431349	ug/ml#	83
45) Diphenyl Oxide	4.80	170	104410	9983.2431349	ug/ml#	83
62) 2,3,4,6-Tetrachlorophenol	5.38	232	37310	11964.2497868	ppb	98
69) Atrazine	6.02	200	47315	10580.4726519	ppb	98
82) 2-nitrodiphenylamine	6.84	167	63977	12789.7951003	ppb #	100
85) Benzidine	7.39	184	94451	8388.5593823	ppb	98
89) 3,3-Dichlorobenzidine	8.97	252	96461	9628.4651227	ppb	99

(#) = qualifier out of range (m) = manual integration
0512_04.D S804E04BV.M Thu May 12 09:15:37 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 04.D Vial: 4
Acq On : 12 May 2022 5:37 am Operator: 3545
Sample : ICV TCL 10K1 PPB 22D19628 exp 09/10/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 9:14 2022 Quant Results File: S804E04BV.RES

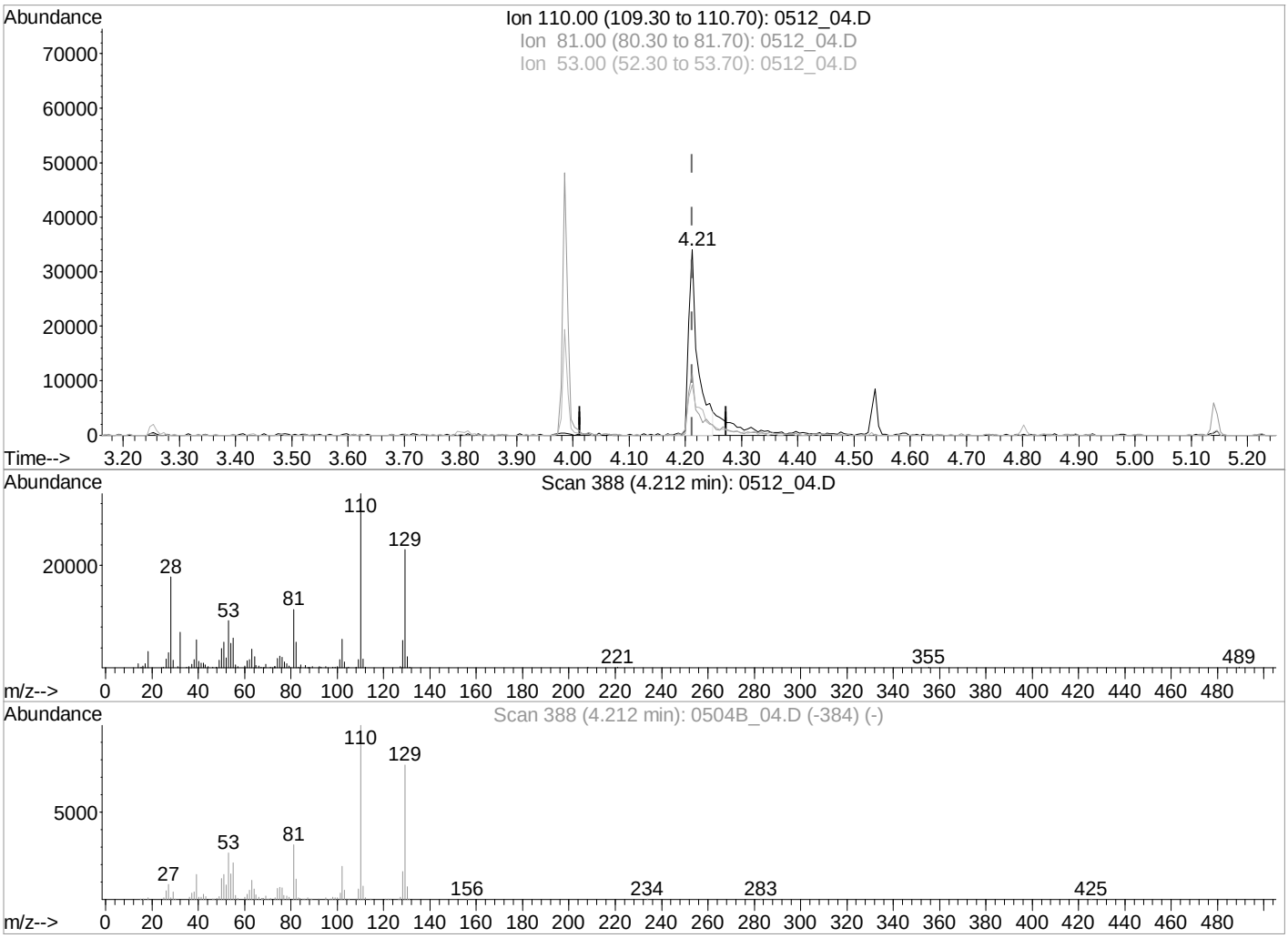
Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 04.D Vial: 4
Acq On : 12 May 2022 5:37 am Operator: 3545
Sample : ICV TCL 10K1 PPB 22D19628 exp 09/10/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 9:14 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Single Level Calibration



TIC: 0512_04.D

(37) Hydroquinone

4.21min (+0.000) 7231.3116452 ppb

Qvalue = 95

response 39390

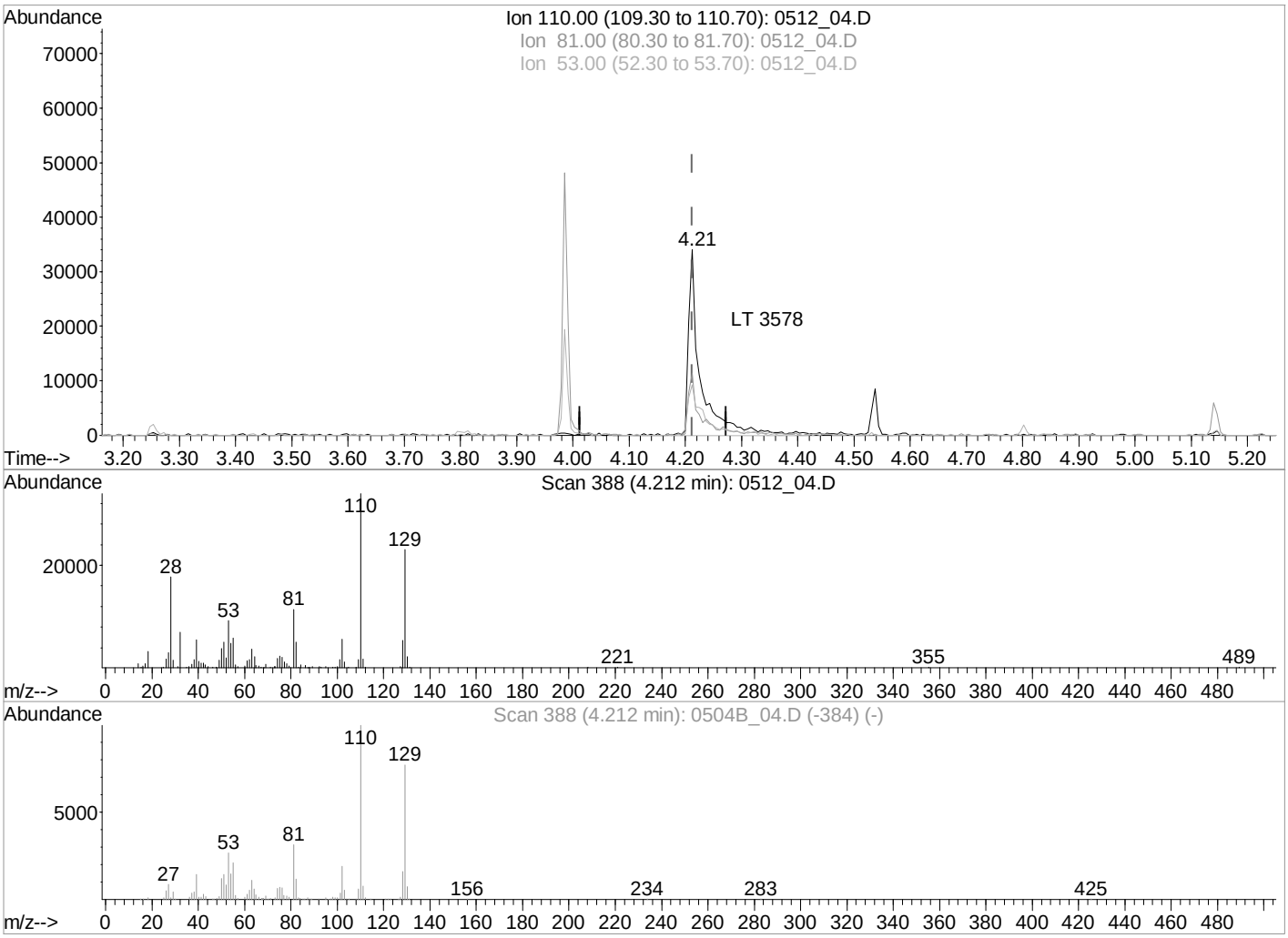
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	33.59
53.00	25.90	27.36
0.00	0.00	0.00

0512_04.D S804E04BV.M Thu May 12 09:15:06 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 04.D Vial: 4
Acq On : 12 May 2022 5:37 am Operator: 3545
Sample : ICV TCL 10K1 PPB 22D19628 exp 09/10/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 9:14 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Single Level Calibration



TIC: 0512_04.D

(37) Hydroquinone

4.21min (+0.000) 7231.3116452 ppb

Qvalue = 95

response 39390

Ion	Exp%	Act%
110.00	100	100
81.00	29.80	33.59
53.00	25.90	27.36
0.00	0.00	0.00

0512_04.D S804E04BV.M Thu May 12 09:15:12 2022

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488161	**Calibration (begin) date/time:**	03/31/22 17:24
Instrument ID:	BNAMS24	**Calibration (end) date/time:**	03/31/22 22:23
Lab File ID:	0331_18	**Analysis date/time:**	03/31/22 22:44
Analytical Method:	8270E	**Sample ID:**	SSCV

Analyte	Avg. RRF	RRF	Min. RRF	Diff.	Max Diff.	True Value	Result	Result	Limits
				%	%	mg/l	mg/l	% Rec.	%
1-METHYLNAPHTHALENE	0.610754	0.64112010		4.97		10	10.50	105	70 - 130
2-METHYLNAPHTHALENE	0.627399	0.64607670		2.98		10	10.30	103	70 - 130
3&4-METHYL PHENOL	1.301686	1.329116		2.11		10	10.21	102	70 - 130
ACENAPHTHENE	1.148837	1.199481		4.41		10	10.44	104	70 - 130
ACENAPHTHYLENE	1.695228	1.857736		9.59		10	10.96	110	70 - 130
ANTHRACENE	1.006737	1.045115		3.81		10	10.38	104	70 - 130
BENZO(A)ANTHRACENE	1.116712	1.133629		1.51		10	10.15	102	70 - 130
BENZO(A)PYRENE	0.950358	1.085630		14.20		10	11.42	114	70 - 130
BENZO(B)FLUORANTHENE	1.172442	1.217118		3.81		10	10.38	104	70 - 130
BENZO(G,H,I)PERYLENE	1.026990	1.111795		8.26		10	10.83	108	70 - 130
BENZO(K)FLUORANTHENE	1.198822	1.286310		7.30		10	10.73	107	70 - 130
BIS(2-ETHYLHEXYL)PHTHALATE	1.014597	1.069942		5.45		10	10.55	106	70 - 130
CARBAZOLE	0.861194	0.95543070		10.90		10	11.09	111	70 - 130
CHRYSENE	1.179486	1.253499		6.28		10	10.63	106	70 - 130
DI-N-BUTYL PHTHALATE	1.289953	1.485565		15.20		10	11.52	115	70 - 130
DI-N-OCTYL PHTHALATE	1.425428	1.425258		0.0119		10	9.188	91.90	70 - 130
DIBENZ(A,H)ANTHRACENE	0.969471	1.067733		10.10		10	11.01	110	70 - 130
DIBENZOFURAN	1.532971	1.604143		4.64		10	10.46	105	70 - 130
FLUORANTHENE	1.037530	1.086566		4.73		10	10.47	105	70 - 130
FLUORENE	1.268965	1.347410		6.18		10	10.62	106	70 - 130
INDENO(1,2,3-CD)PYRENE	0.864970	0.96418880		11.50		10	11.15	112	70 - 130
NAPHTHALENE	0.998617	1.032092		3.35		10	10.34	103	70 - 130
PENTACHLOROPHENOL	0.105171	0.11822170		12.40		10	11.43	114	70 - 130
PHENANTHRENE	1.060304	1.114125		5.08		10	10.51	105	70 - 130
PHENOL	1.575372	1.630722		3.51		10	10.35	104	70 - 130
PYRENE	1.498492	1.578251		5.32		10	10.53	105	70 - 130
2,4,6-TRIBROMOPHENOL	0.083814	0.08113972		3.19		10	9.681	96.80	70 - 130
2-FLUOROBIPHENYL	1.270391	1.246534		1.88		10	9.812	98.10	70 - 130
2-FLUOROPHENOL	1.252515	1.217577		2.79		10	9.721	97.20	70 - 130
NITROBENZENE-D5	0.304240	0.29725250		2.30		10	9.770	97.70	70 - 130
P-TERPHENYL-D14	1.107064	1.061220		4.14		10	9.586	95.90	70 - 130
PHENOL-D5	1.486088	1.435091		3.43		10	9.657	96.60	70 - 130

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_18.D
Acq On : 31 Mar 2022 10:44 pm
Operator : 3545
Sample : SSCV SVMS 10K PPB 22C23061 exp 6/30/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 04 17:01:16 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:54:30 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.410	152	32498	8000.0000000 ppb		0.00
23) Naphthalene-d8	4.140	136	129280	8000.0000000 ppb		0.00
46) Acenaphthene-d10	5.310	164	67005	8000.0000000 ppb		0.00
70) Phenanthrene-d10	6.434	188	107114	8000.0000000 ppb		0.00
84) Chrysene-d12	9.245	240	77504	8000.0000000 ppb		0.00
94) Perylene-d12	11.951	264	68794	8000.0000000 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.740	112	49461	9721.0515879 ppb		0.00
Spiked Amount 20000.000				Recovery = 48.61%		
7) Phenol-d5	3.175	99	58297	9656.8420263 ppb		0.00
Spiked Amount 20000.000				Recovery = 48.28%		
24) Nitrobenzene-d5	3.710	82	48036m	9770.3438575 ppb		0.00
Spiked Amount 10000.000				Recovery = 97.70%		
50) 2-Fluorobiphenyl	4.828	172	104405	9812.2063195 ppb		0.00
Spiked Amount 10000.000				Recovery = 98.12%		
73) 2,4,6-Tribromophenol	5.886	330	10864	9680.9076507 ppb		0.00
Spiked Amount 20000.000				Recovery = 48.40%		
87) p-Terphenyl-d14	7.845	244	102811	9585.8929227 ppb		0.00
Spiked Amount 10000.000				Recovery = 95.86%		
Target Compounds						Qvalue
2) Pyridine	2.216	79	56827	10543.3045205 ppb		99
3) N-Nitrosodimethylamine	2.199	42	26162	9220.1486386 ppb		99
5) Aniline	3.228	66	29495	10558.9289085 ppb		97
6) bis(2-Chloroethyl)ether	3.245	93	55703m	10136.1427628 ppb		
8) Phenol	3.181	94	66244	10351.3432882 ppb		96
10) 2-Chlorophenol	3.293	128	56605	10621.1407363 ppb		98
11) n-Decane	3.293	41	32743	9557.1097558 ppb	#	100
12) 1,3-Dichlorobenzene	3.381	146	62683	10262.6996716 ppb		100
13) 1,4-Dichlorobenzene	3.416	146	63047	10312.3985770 ppb		96
14) Benzyl Alcohol	3.463	79	40660	10415.3909180 ppb		100
15) 1,2-Dichlorobenzene	3.504	146	60642	10287.4111665 ppb		98
16) bis(2-Chloroisopropyl)...	3.540	121	21521	10572.3791808 ppb		98
17) 2,2-oxybis(1-chloropro...	3.540	121	21521	10572.3791808 ppb		98
18) 2-Methylphenol	3.510	108	50596	10555.1684687 ppb		96
19) Hexachloroethane	3.698	117	26205	10278.9609507 ppb		97
20) N-Nitrosodi-n-propylamine	3.610	70	35112	10298.7989609 ppb		99
21) 3&4-Methyl phenol	3.593	107	53992	10210.7212151 ppb		99
25) Nitrobenzene	3.722	77	53649	10796.3440550 ppb		98
26) Isophorone	3.851	82	101269	10411.4636677 ppb		100
27) 2-Nitrophenol	3.904	139	25159	10701.2848374 ppb		93
28) 2,4-Dimethylphenol	3.904	107	52280	10806.4841322 ppb		99
29) bis(2-Chlorethoxy)methane	3.969	93	71047	10871.2890055 ppb		97
30) 2,4-Dichlorophenol	4.040	162	40871	10693.2795032 ppb	#	86
32) 1,2,4-Trichlorobenzene	4.098	180	47514	10395.1948767 ppb		94
34) Naphthalene	4.157	128	166786	10335.2044265 ppb		100
35) 4-Chloroaniline	4.175	65	17354	10233.0364786 ppb		98
36) Hexachloro-1,3-butadiene	4.222	225	27825	11286.0704472 ppb		98
40) 4-Chloro-3-methylphenol	4.463	107	41378	10347.5683022 ppb		99
41) 2-Methylnaphthalene	4.592	142	104406	10297.6968942 ppb		99
42) 1-Methylnaphthalene	4.657	142	103605	10497.1978691 ppb		100
47) Hexachlorocyclopentadiene	4.692	237	19130	8752.6966899 ppb		98
48) 2,4,6-Trichlorophenol	4.769	196	27186	10863.2348945 ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_18.D
Acq On : 31 Mar 2022 10:44 pm
Operator : 3545
Sample : SSCV SVMS 10K PPB 22C23061 exp 6/30/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 04 17:01:16 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:54:30 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

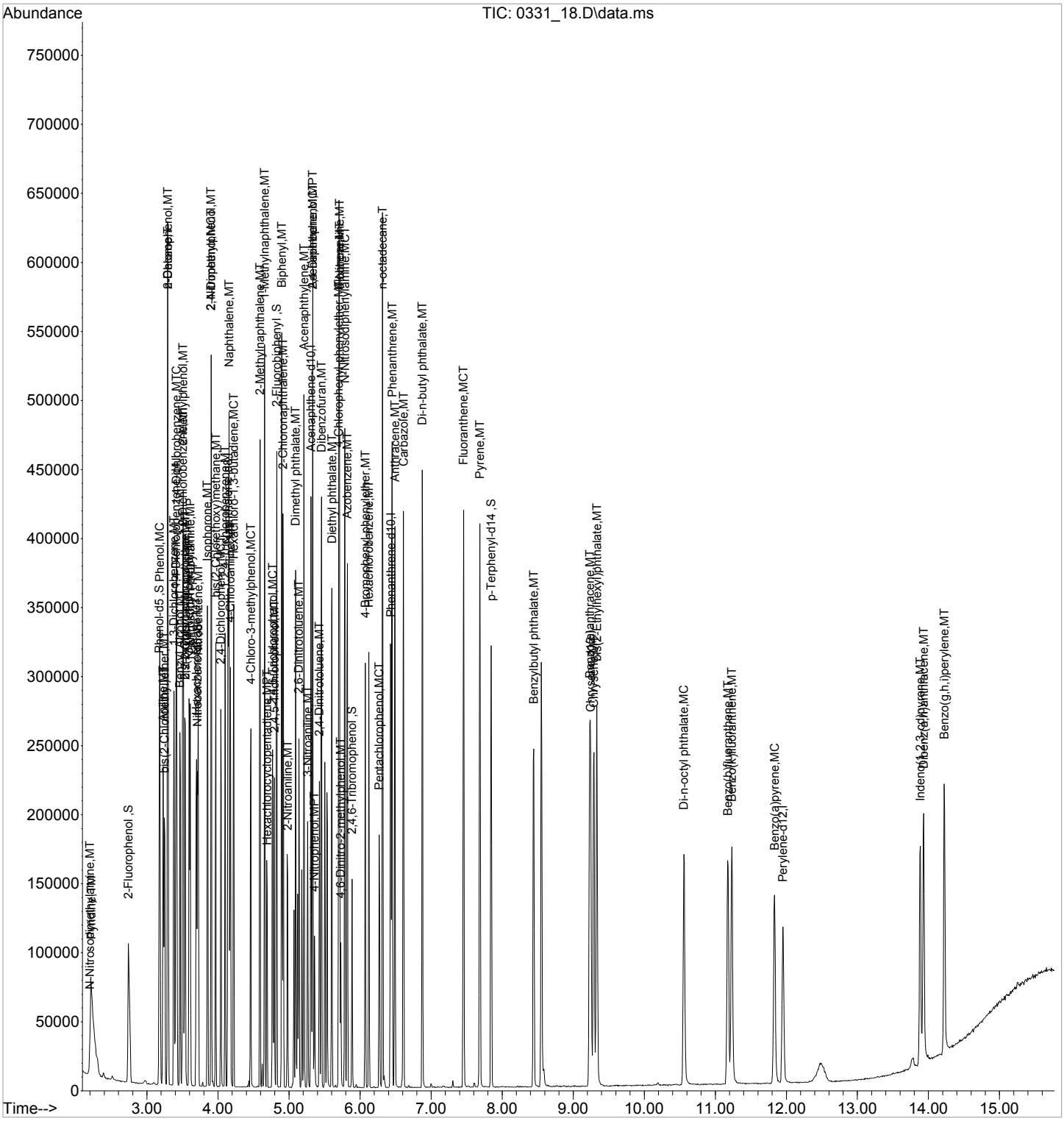
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
49)	2,4,5-Trichlorophenol	4.792	196	27202	10638.5015338 ppb		96
51)	Biphenyl	4.898	154	118579	9890.1836667 ppb		99
52)	2-Chloronaphthalene	4.916	162	97364	10522.2343151 ppb		97
53)	2-Nitroaniline	4.981	138	26879	9792.8659732 ppb		99
54)	Acenaphthylene	5.210	152	155597	10958.6228399 ppb		99
55)	Dimethyl phthalate	5.092	163	110449	10653.1510320 ppb		94
56)	2,6-Dinitrotoluene	5.139	165	24488	10819.8125221 ppb		94
57)	3-Nitroaniline	5.263	138	21957	10159.1833892 ppb		95
58)	Acenaphthene	5.334	153	100464	10440.8237247 ppb		99
59)	2,4-Dinitrophenol	5.334	184	6639	10067.3246842 ppb	#	1
60)	Dibenzofuran	5.457	168	134357	10464.2761664 ppb		99
61)	2,4-Dinitrotoluene	5.428	165	28361	10009.1795744 ppb		83
63)	4-Nitrophenol	5.357	139	15677	10019.4582644 ppb		84
64)	Fluorene	5.710	166	112854	10618.1767720 ppb		99
65)	4-Chlorophenyl-phenyle...	5.698	204	50559	10444.6934063 ppb		87
66)	Diethyl phthalate	5.604	149	118174	10955.7827258 ppb		100
67)	4-Nitroaniline	5.710	138	14373	10982.9600230 ppb		99
68)	Azobenzene	5.822	77	118542	10935.8381151 ppb		100
71)	4,6-Dinitro-2-methylph...	5.728	198	10278	9898.9697426 ppb	#	76
72)	N-Nitrosodiphenylamine	5.787	169	89933	10794.9785060 ppb		99
74)	4-Bromophenyl-phenylether	6.075	248	26731	10453.6669917 ppb		91
75)	Hexachlorobenzene	6.122	284	31578	10571.7081466 ppb		99
76)	n-octadecane	6.316	55	19875	9957.1898370 ppb		98
77)	Pentachlorophenol	6.269	266	15829	11430.0132536 ppb		91
78)	Phenanthrene	6.451	178	149173	10507.5981260 ppb		99
79)	Anthracene	6.492	178	139933	10381.2108124 ppb		99
80)	Carbazole	6.610	167	127925	11094.2622659 ppb		100
81)	Di-n-butyl phthalate	6.875	149	198906	11516.4267189 ppb		99
83)	Fluoranthene	7.457	202	145483	10472.6197639 ppb		99
86)	Pyrene	7.686	202	152901	10532.2669087 ppb		99
88)	Benzylbutyl phthalate	8.445	149	68827	10330.4950097 ppb		95
90)	Benzo(a)anthracene	9.233	228	109826	10151.4892180 ppb		99
91)	Chrysene	9.292	228	121439	10627.5018659 ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.333	149	103656	10545.4870384 ppb		98
93)	Di-n-octyl phthalate	10.557	149	138079	9187.8214826 ppb		100
95)	Benzo(b)fluoranthene	11.174	252	104663	10381.0496709 ppb		98
96)	Benzo(k)fluoranthene	11.233	252	110613	10729.7840645 ppb		99
97)	Benzo(a)pyrene	11.833	252	93356	11423.3722820 ppb		99
98)	Indeno(1,2,3-cd)pyrene	13.886	276	82913	11147.0755413 ppb		95
99)	Dibenz(a,h)anthracene	13.933	278	91817	11013.5644462 ppb		99
100)	Benzo(g,h,i)perylene	14.221	276	95606	10825.7600661 ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

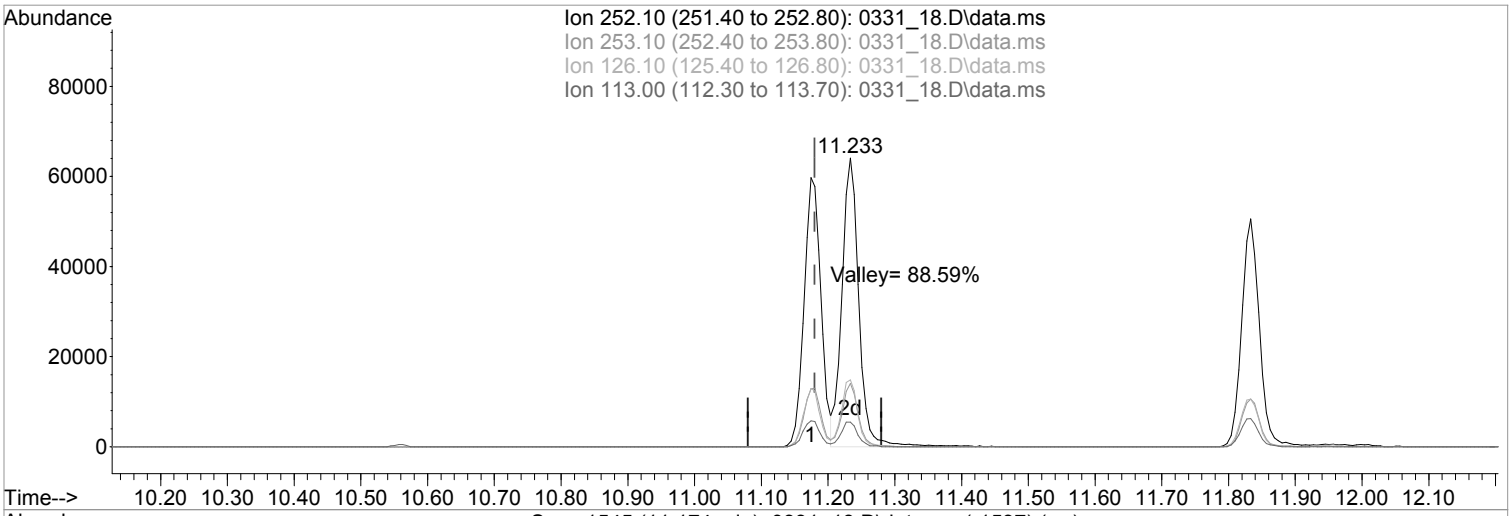
Data Path : C:\msdchem\1\data\033122\
Data File : 0331_18.D
Acq On : 31 Mar 2022 10:44 pm
Operator : 3545
Sample : SSCV SVMS 10K PPB 22C23061 exp 6/30/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 18 Sample Multiplier: 1

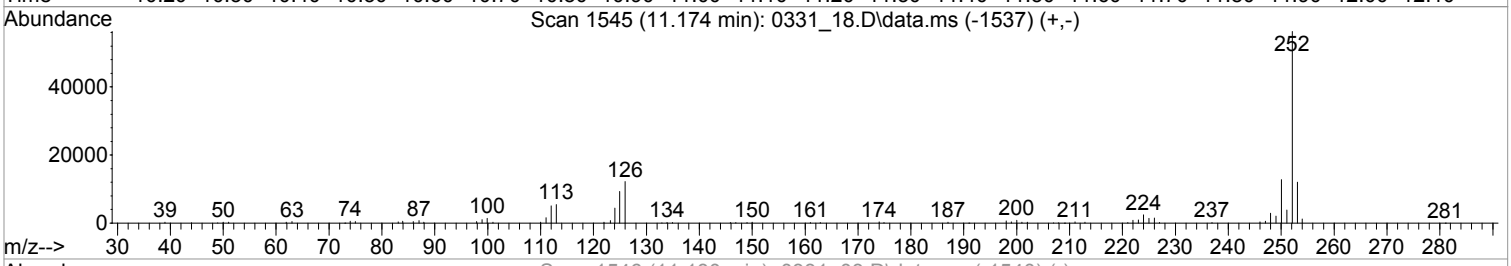
Quant Time: Apr 04 17:01:16 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:54:30 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

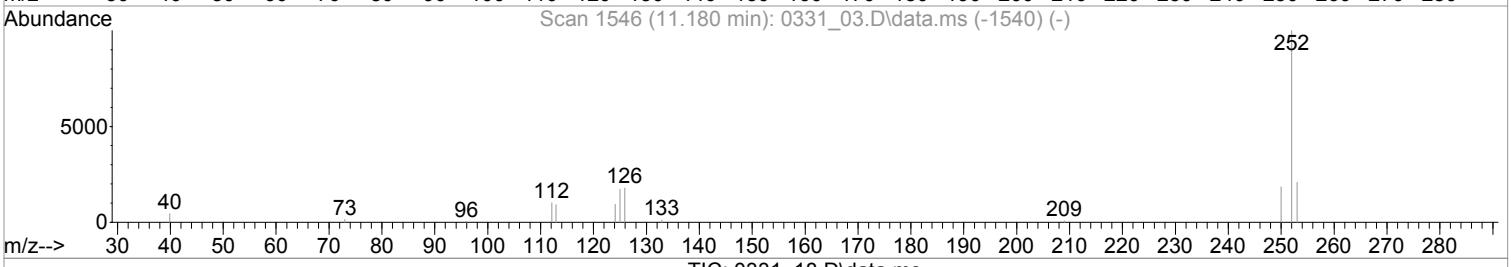


Data Path : C:\msdchem\1\data\033122\
Data File : 0331_18.D
Acq On : 31 Mar 2022 10:44 pm
Operator : 3545
Sample : SSCV SVMS 10K PPB 22C23061 exp 6/30/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 04 16:39:37 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:39:09 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_18.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.174min (-0.006) 10381.0496709 ppb

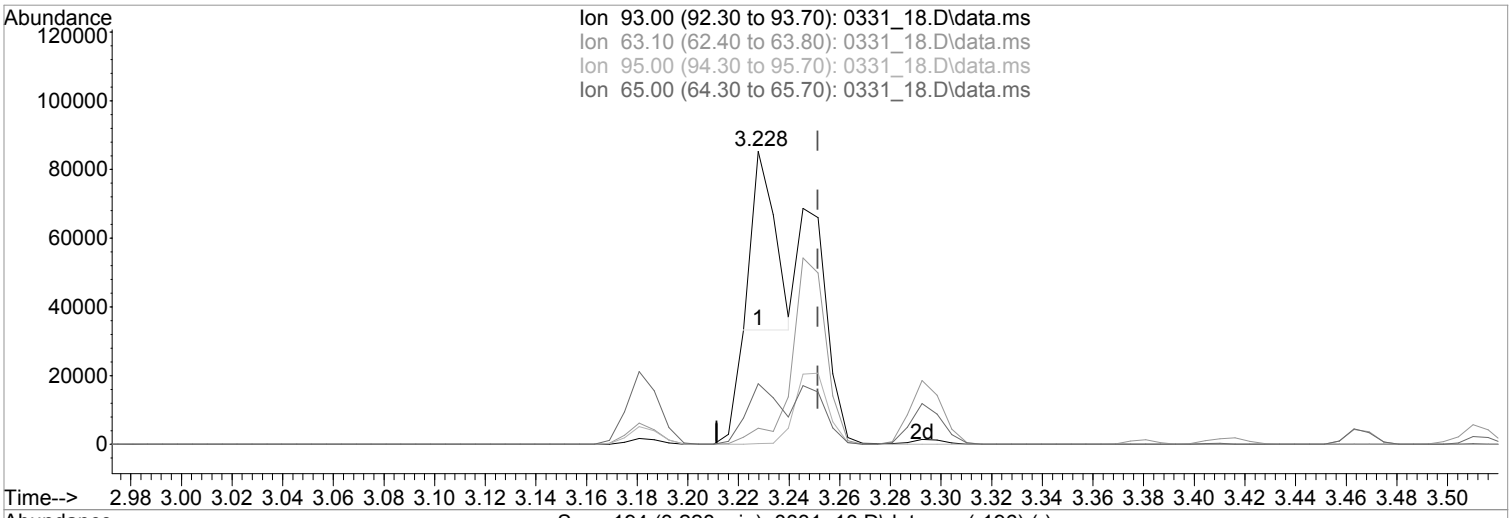
Qvalue = 98

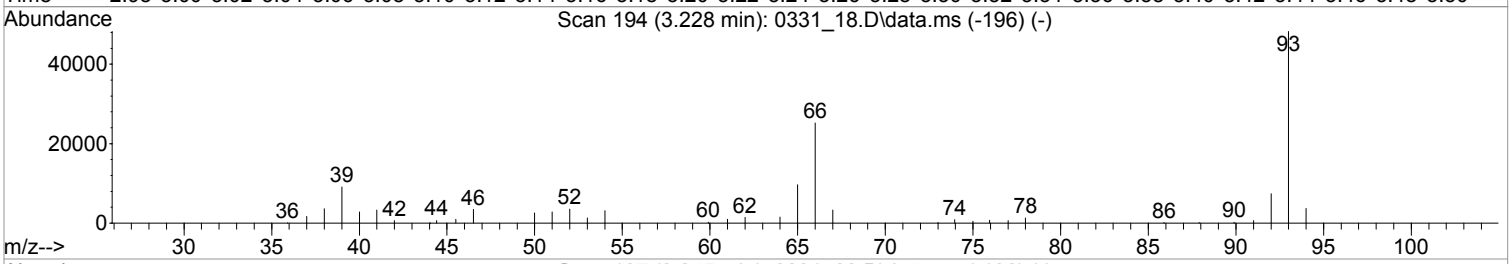
response 104663

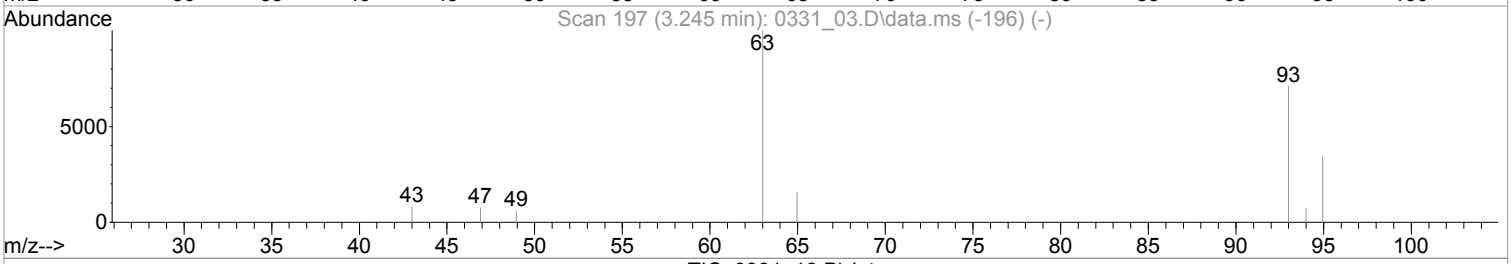
Ion	Exp%	Act%
252.10	100	100
253.10	21.80	21.38
126.10	20.00	21.67
113.00	9.70	9.69

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_18.D
Acq On : 31 Mar 2022 10:44 pm
Operator : 3545
Sample : SSCV SVMS 10K PPB 22C23061 exp 6/30/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 04 16:56:43 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:54:30 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_18.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.228min (-0.024) 5741.0786522 ppb

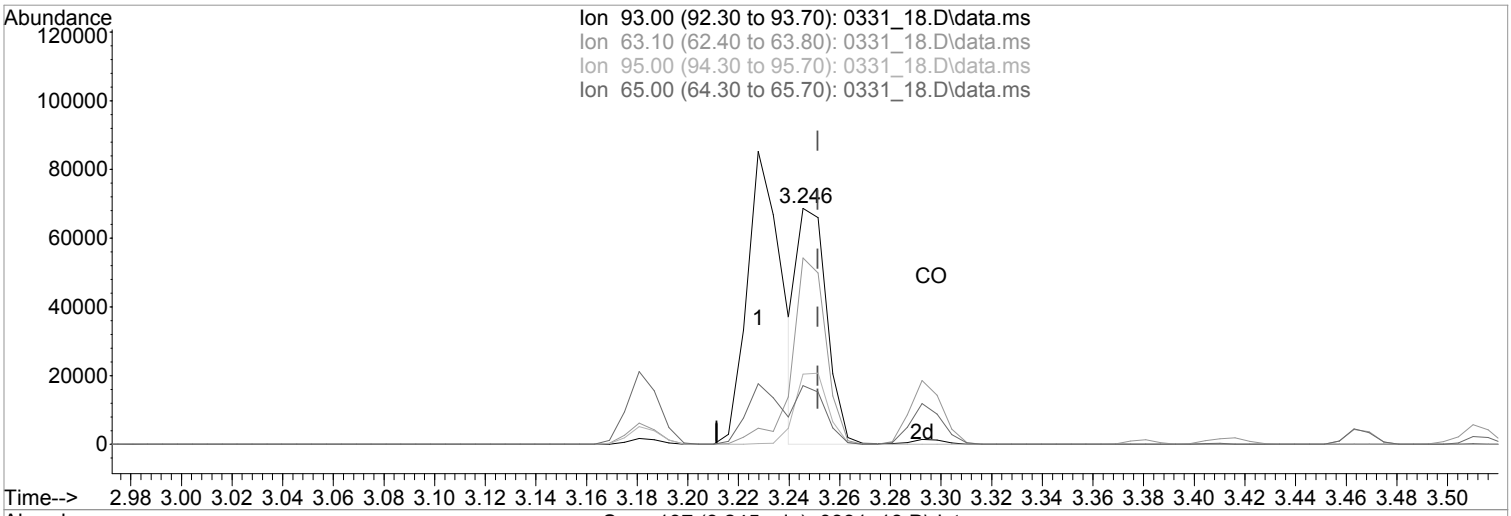
Qvalue = 37

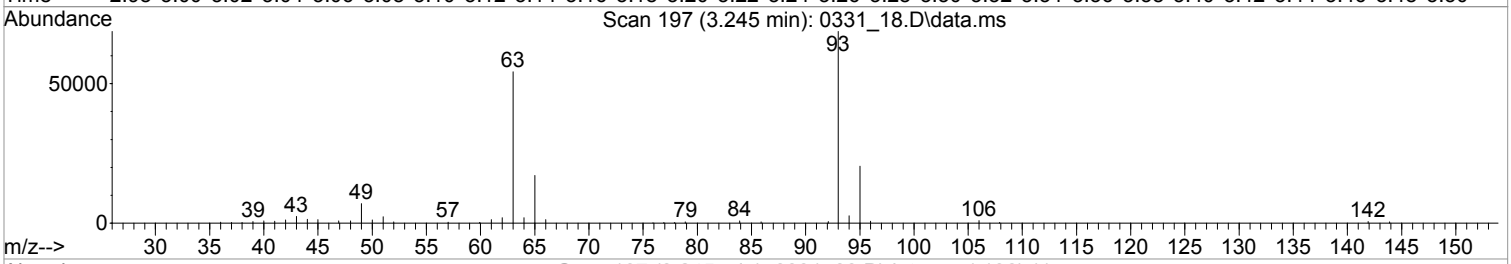
response 31550

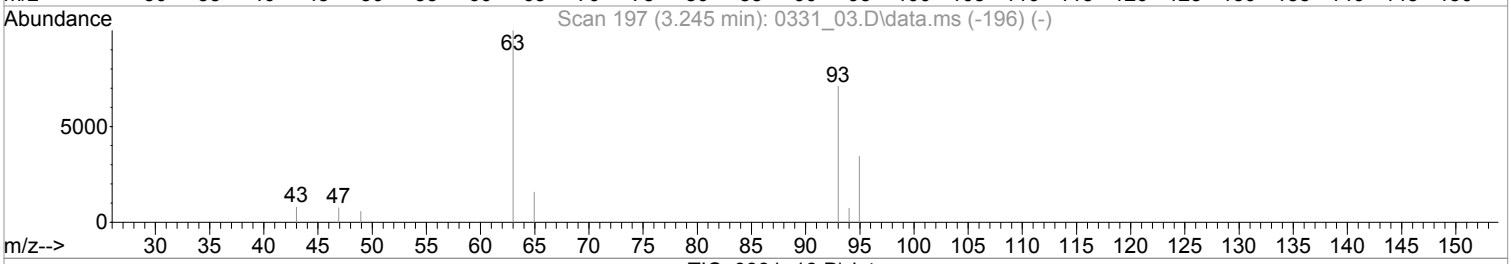
Ion	Exp%	Act%
93.00	100	100
63.10	76.00	5.01#
95.00	31.90	0.36#
65.00	23.10	19.07

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_18.D
Acq On : 31 Mar 2022 10:44 pm
Operator : 3545
Sample : SSCV SVMS 10K PPB 22C23061 exp 6/30/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 04 16:56:43 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:54:30 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_18.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.245min (-0.006) 10136.1427628 ppb m

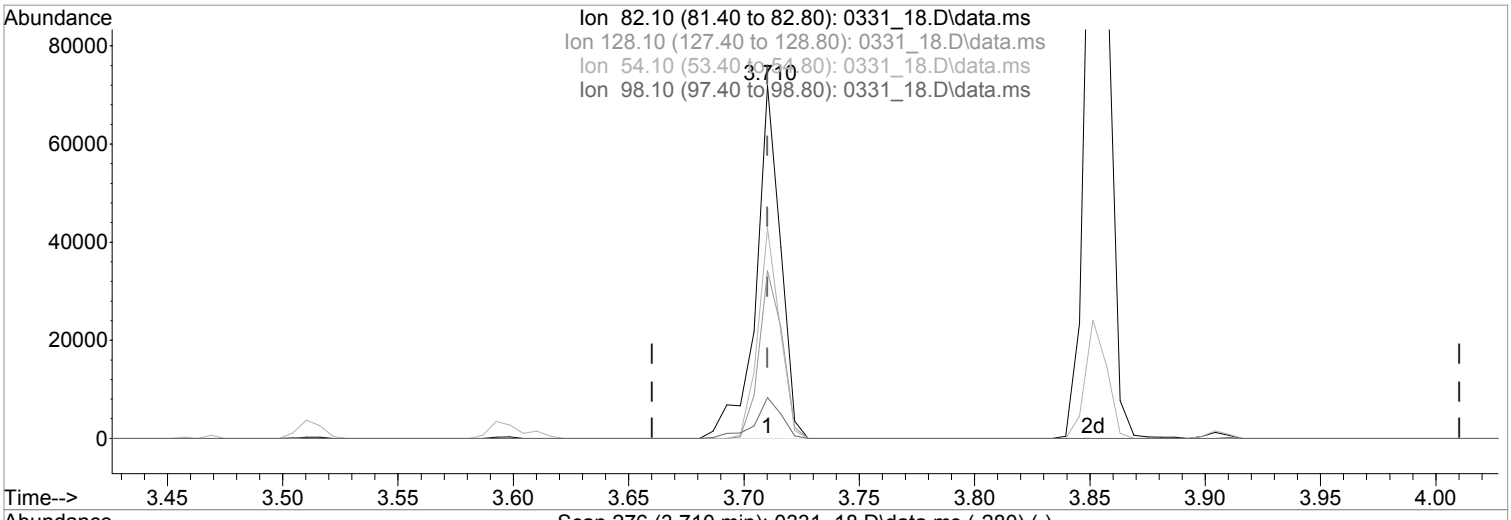
response 55703

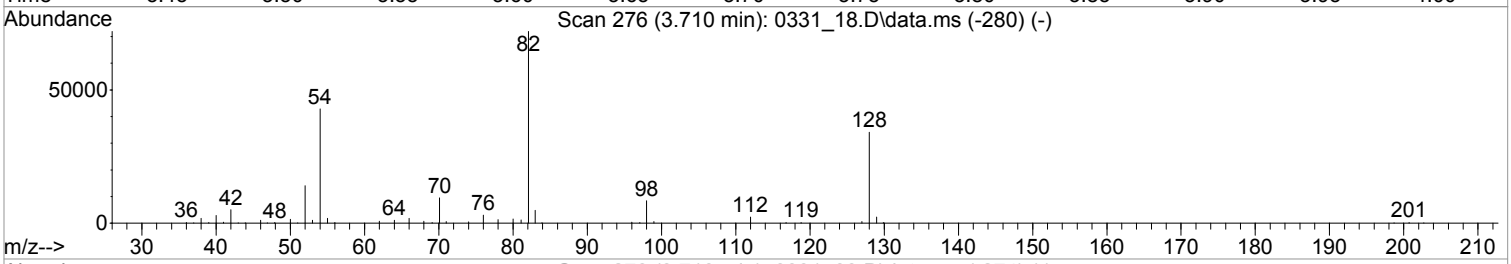
Ion	Exp%	Act%
93.00	100	100
63.10	76.00	78.90
95.00	31.90	29.72
65.00	23.10	24.89

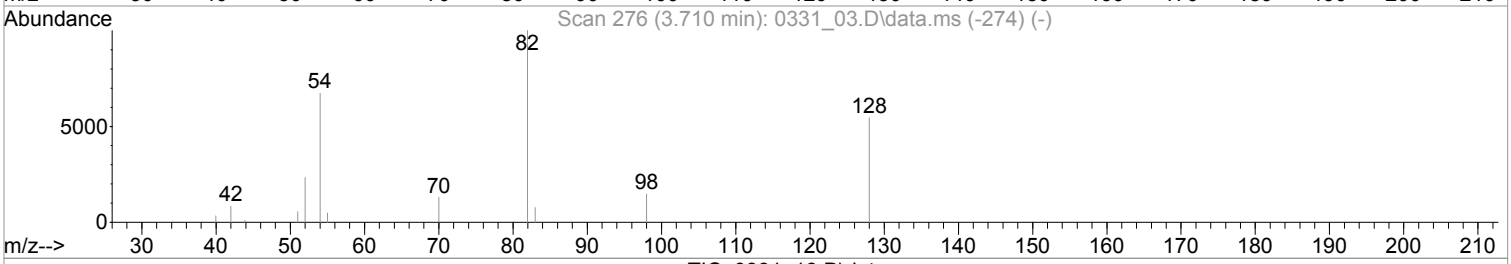
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_18.D
Acq On : 31 Mar 2022 10:44 pm
Operator : 3545
Sample : SSCV SVMS 10K PPB 22C23061 exp 6/30/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 04 16:56:43 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:54:30 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0331_18.D\data.ms

(24) Nitrobenzene-d5 (S)

3.710min (-0.000) 10838.3777403 ppb

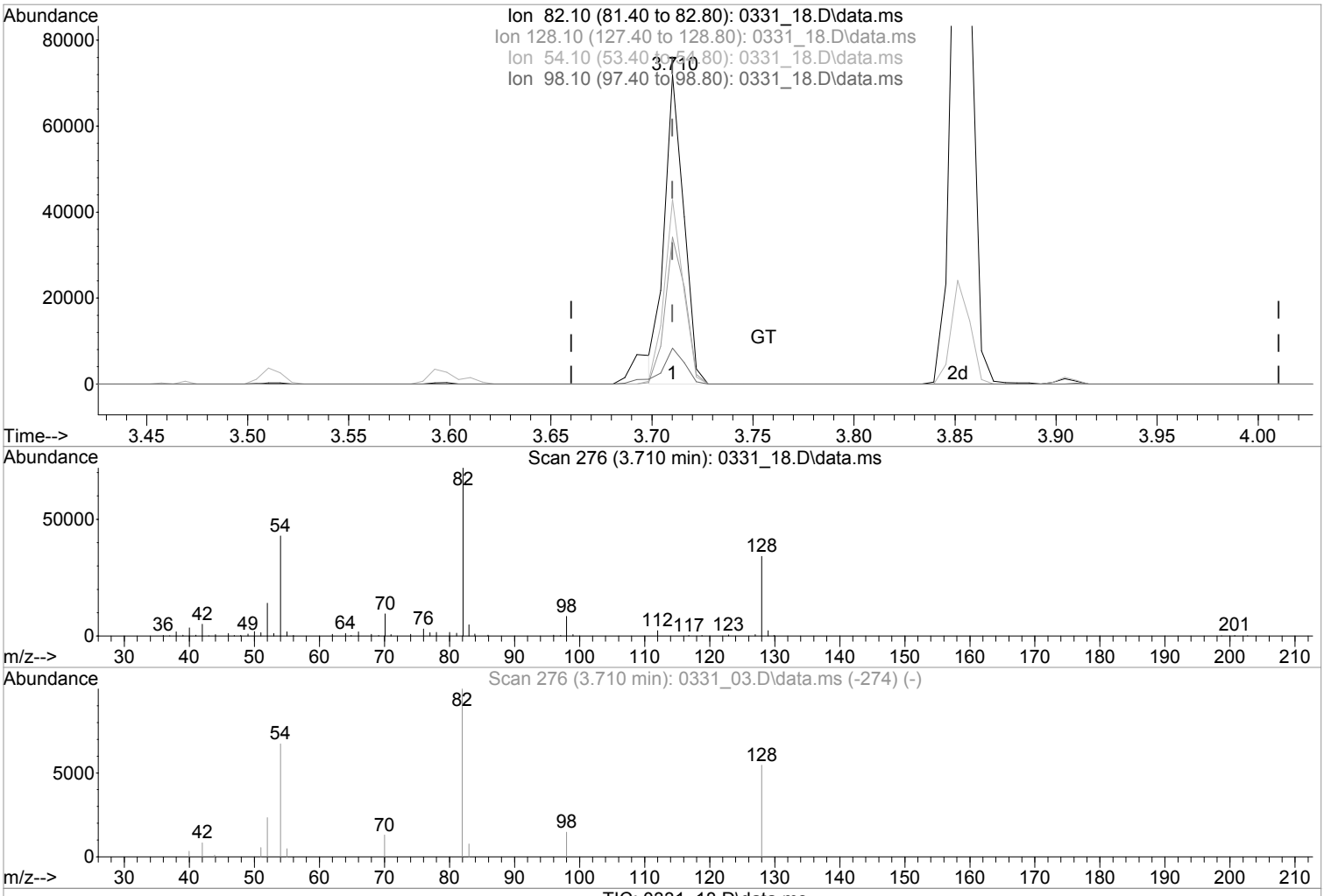
Qvalue = 99

response 53287

Ion	Exp%	Act%
82.10	100	100
128.10	46.80	47.47
54.10	60.00	59.60
98.10	11.40	11.62

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_18.D
Acq On : 31 Mar 2022 10:44 pm
Operator : 3545
Sample : SSCV SVMS 10K PPB 22C23061 exp 6/30/22
Misc : SVMS CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 04 16:56:43 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:54:30 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0331_18.D\data.ms

(24) Nitrobenzene-d5 (S)

3.710min (-0.000) 9770.3438575 ppb m

response 48036

Ion	Exp%	Act%
82.10	100	100
128.10	46.80	47.47
54.10	60.00	59.60
98.10	11.40	11.62

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488161	**Calibration (begin) date/time:**	03/31/22 17:24
Instrument ID:	BNAMS24	**Calibration (end) date/time:**	03/31/22 22:23
Lab File ID:	0331_19	**Analysis date/time:**	03/31/22 23:06
Analytical Method:	8270E	**Sample ID:**	SSCV

Analyte	Avg. RRF	RRF	Min. RRF	Diff.	Max Diff.	True Value	Result	Result	Limits
				%	*%*	*mg/l*	*mg/l*	*% Rec.*	*%*
BENZOIC ACID	0.079140	0.06852319		13.40		10	9.288	92.90	70 - 130

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_19.D
Acq On : 31 Mar 2022 11:06 pm
Operator : 3545
Sample : SSCV TCL 10K1 PPB 22C25375 exp 5/31/22
Misc : TCL CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 17:01:57 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:54:30 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

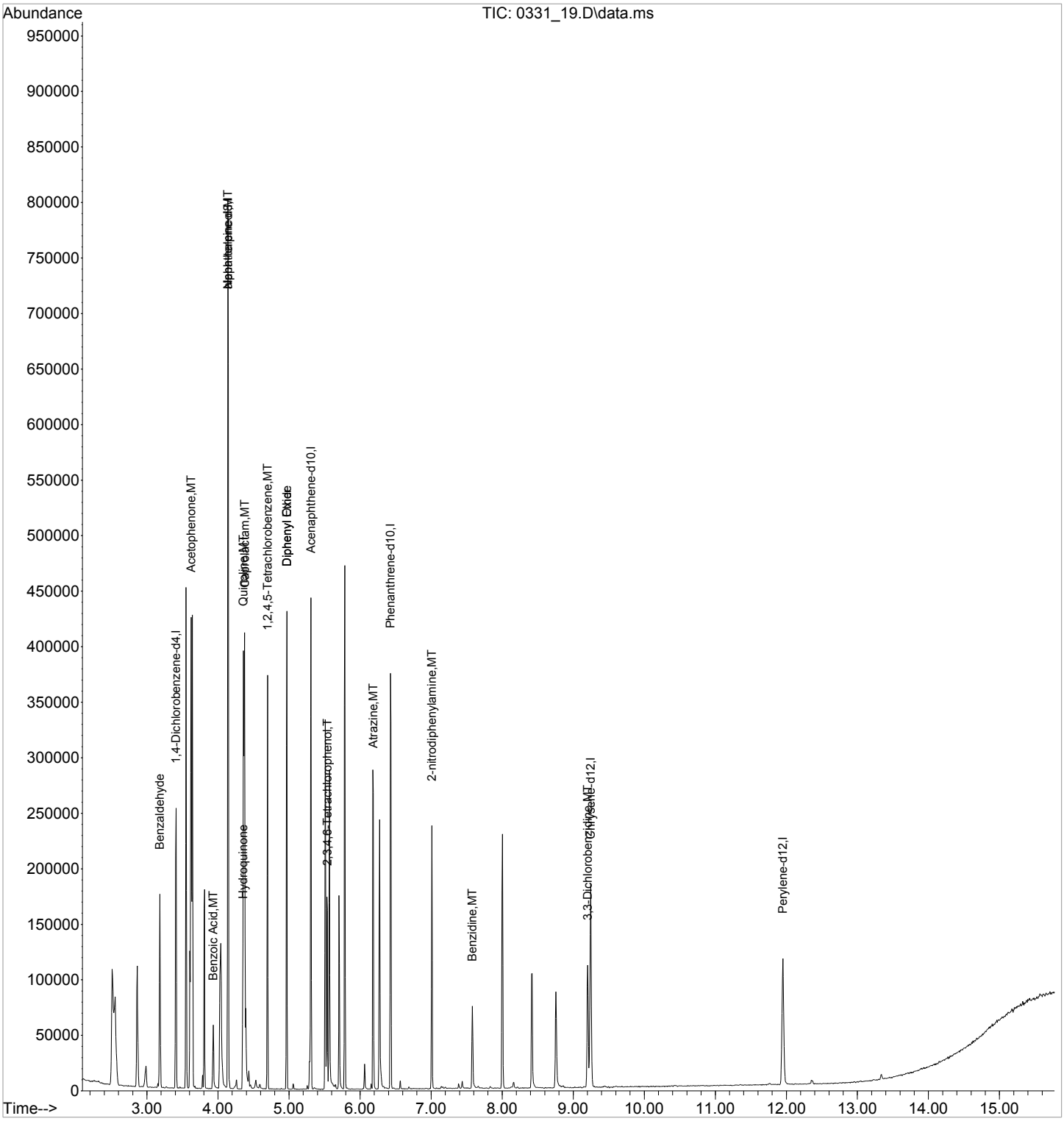
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.410	152	35583	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.140	136	162059	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.310	164	73711	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.428	188	118731	8000.0000000	ppb	0.00
84) Chrysene-d12	9.245	240	80072	8000.0000000	ppb	0.00
94) Perylene-d12	11.951	264	68064	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
7) Phenol-d5	0.000	99	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.000	244	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.181	105	31909	21445.8562524	ppb	98
22) Acetophenone	3.622	105	75382	9841.7477258	ppb	97
31) Benzoic Acid	3.934	105	13881	9287.9241188	ppb	100
33) alpha-terpineol	4.140	59	52858	10589.0958967	ppb	98
37) Hydroquinone	4.351	110	17084	4832.8177254	ppb	98
38) Quinoline	4.357	129	105645	11290.3729771	ppb	99
39) Caprolactam	4.375	113	15088	12246.5826042	ppb #	54
43) 1,2,4,5-Tetrachloroben...	4.698	216	44163	10135.7140612	ppb	98
44) Diphenyl Ether	4.969	170	66081	10119.7642454	ug/ml	99
45) Diphenyl Oxide	4.969	170	66081	10119.7642454	ug/ml	99
62) 2,3,4,6-Tetrachlorophenol	5.539	232	18260	9138.7507826	ppb	99
69) Atrazine	6.186	200	26464	9976.4469748	ppb	99
82) 2-nitrodiphenylamine	7.010	167	24172	9615.2258453	ppb	97
85) Benzidine	7.580	184	31867	14436.7066228	ppb	98
89) 3,3-Dichlorobenzidine	9.204	252	33453	9646.2468026	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033122\
Data File : 0331_19.D
Acq On : 31 Mar 2022 11:06 pm
Operator : 3545
Sample : SSCV TCL 10K1 PPB 22C25375 exp 5/31/22
Misc : TCL CAL ISTD 22C25289 exp. 09/25/22
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 17:01:57 2022
Quant Method : C:\msdchem\1\methods\S824C31V.M
Quant Title : 8270 BNA
QLast Update : Mon Apr 04 16:54:30 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
Pace Analytical - Minnesota	10606395	L1488161	05/13/22 16:05	319 of 390

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488161	**Calibration (begin) date/time:**	03/31/22 17:24
Instrument ID:	BNAMS24	**Calibration (end) date/time:**	03/31/22 22:23
Lab File ID:	0512_03	**Analysis date/time:**	05/12/22 05:15
Analytical Method:	8270E	**Sample ID:**	ICV

Analyte	Avg. RRF	RRF	Min. RRF	Diff.	Max Diff.	True Value	Result	Result	Limits
				%	%	mg/l	mg/l	% Rec.	%
1-METHYLNAPHTHALENE	0.610754	0.61907370		1.36	20	10	10.14	101	
2-METHYLNAPHTHALENE	0.627399	0.639766	0.40	1.97	20	10	10.20	102	
3&4-METHYL PHENOL	1.301686	1.405450	0.60	7.97	20	10	10.80	108	
ACENAPHTHENE	1.148837	1.145522	0.90	0.2890	20	10	9.971	99.70	
ACENAPHTHYLENE	1.695228	1.746414	0.90	3.02	20	10	10.30	103	
ANTHRACENE	1.006737	1.047216	0.70	4.02	20	10	10.40	104	
BENZO(A)ANTHRACENE	1.116712	1.178931	0.80	5.57	20	10	10.56	106	
BENZO(A)PYRENE	0.950358	1.018250	0.70	7.14	20	10	10.71	107	
BENZO(B)FLUORANTHENE	1.172442	1.203125	0.70	2.62	20	10	10.26	103	
BENZO(G,H,I)PERYLENE	1.026990	1.054556	0.50	2.68	20	10	10.27	103	
BENZO(K)FLUORANTHENE	1.198822	1.225966	0.70	2.26	20	10	10.23	102	
BIS(2-ETHYLHEXYL)PHTHALATE	1.014597	1.239379	0.01	22.20	20	10	12.22	122	
CARBAZOLE	0.861194	0.89391520	0.01	3.80	20	10	10.38	104	
CHRYSENE	1.179486	1.174199	0.70	0.4480	20	10	9.955	99.60	
DI-N-BUTYL PHTHALATE	1.289953	1.472457	0.01	14.10	20	10	11.41	114	
DI-N-OCTYL PHTHALATE	1.425428	1.894610	0.01	32.90	20	10	11.97	120	80 - 120
DIBENZ(A,H)ANTHRACENE	0.969471	1.008744	0.40	4.05	20	10	10.41	104	
DIBENZOFURAN	1.532971	1.534054	0.80	0.0706	20	10	10.01	100	
FLUORANTHENE	1.037530	1.067166	0.60	2.86	20	10	10.29	103	
FLUORENE	1.268965	1.283574	0.90	1.15	20	10	10.12	101	
INDENO(1,2,3-CD)PYRENE	0.864970	0.902497	0.50	4.34	20	10	10.43	104	
NAPHTHALENE	0.998617	0.99961880	0.70	0.10	20	10	10.01	100	
PENTACHLOROPHENOL	0.105171	0.08735351	0.05	16.90	20	10	8.921	89.20	80 - 120
PHENANTHRENE	1.060304	1.037353	0.70	2.16	20	10	9.784	97.80	
PHENOL	1.575372	1.659261	0.80	5.33	20	10	10.53	105	
PYRENE	1.498492	1.554032	0.60	3.71	20	10	10.37	104	
2,4,6-TRIBROMOPHENOL	0.083814	0.08654262		3.26	20	10	10.33	103	70 - 130
2-FLUOROBIPHENYL	1.270391	1.269431		0.0756	20	10	9.992	99.90	70 - 130
2-FLUOROPHENOL	1.252515	1.283376		2.46	20	10	10.25	103	70 - 130
NITROBENZENE-D5	0.304240	0.33187080		9.08	20	10	10.91	109	70 - 130
P-TERPHENYL-D14	1.107064	1.140566		3.03	20	10	10.30	103	70 - 130
PHENOL-D5	1.486088	1.584864		6.65	20	10	10.66	107	70 - 130

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\051222\
Data File : 0512_03.D
Acq On : 12 May 2022 5:15 am
Operator : 3545
Sample : ICV SVMS 10K PPB 22E03609 exp 10/01/22
Misc : SVMS CAL ISTD 22D28021 exp. 10/28/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 12 09:03:20 2022
Quant Method : C:\msdchem\1\methods\S824D29BV.M
Quant Title : 8270 BNA
QLast Update : Fri Apr 29 19:28:33 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.343	152	27485	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.072	136	112815	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.231	164	59224	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.348	188	96683	8000.0000000	ppb		0.00
84) Chrysene-d12	9.113	240	68291	8000.0000000	ppb		0.00
94) Perylene-d12	11.766	264	61434	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.678	112	44092	10246.3938913	ppb		0.00
Spiked Amount 20000.000			Recovery = 51.23%				
7) Phenol-d5	3.113	99	54450	10664.6767856	ppb		0.00
Spiked Amount 20000.000			Recovery = 53.32%				
24) Nitrobenzene-d5	3.643	82	46800m	10908.2067592	ppb		0.00
Spiked Amount 10000.000			Recovery = 109.08%				
50) 2-Fluorobiphenyl	4.754	172	93976	9992.4458774	ppb		0.00
Spiked Amount 10000.000			Recovery = 99.92%				
73) 2,4,6-Tribromophenol	5.813	330	10459	10325.5359524	ppb		0.00
Spiked Amount 20000.000			Recovery = 51.63%				
87) p-Terphenyl-d14	7.736	244	97363	10302.6176387	ppb		0.00
Spiked Amount 10000.000			Recovery = 103.03%				
Target Compounds							Qvalue
2) Pyridine	2.154	79	46618	10226.7243803	ppb		96
3) N-Nitrosodimethylamine	2.137	42	23446	9770.0465909	ppb		98
5) Aniline	3.166	66	26103	11048.9951201	ppb	#	27
6) bis(2-Chloroethyl)ether	3.184	93	50754m	10920.0669627	ppb		
8) Phenol	3.119	94	57006	10532.5038035	ppb		100
10) 2-Chlorophenol	3.231	128	47710	10584.8980256	ppb		96
11) n-Decane	3.225	41	29595	10213.7998419	ppb	#	97
12) 1,3-Dichlorobenzene	3.313	146	52189	10103.0316776	ppb		98
13) 1,4-Dichlorobenzene	3.348	146	52123	10080.5809450	ppb		94
14) Benzyl Alcohol	3.401	79	33478	10139.7815474	ppb		99
15) 1,2-Dichlorobenzene	3.437	146	50329	10095.1267555	ppb		98
16) bis(2-Chloroisopropyl)...	3.472	121	17326	10063.9735436	ppb		97
17) 2,2-oxybis(1-chloropro...	3.472	121	17326	10063.9735436	ppb		97
18) 2-Methylphenol	3.448	108	44815	11054.3517382	ppb		95
19) Hexachloroethane	3.625	117	22787	10568.4938139	ppb		94
20) N-Nitrosodi-n-propylamine	3.543	70	30763	10668.9232573	ppb		99
21) 3&4-Methyl phenol	3.531	107	48286	10797.1497968	ppb		98
25) Nitrobenzene	3.654	77	47599	10976.8419055	ppb		98
26) Isophorone	3.784	82	91928	10830.4767351	ppb		99
27) 2-Nitrophenol	3.837	139	23985	11690.8682767	ppb		88
28) 2,4-Dimethylphenol	3.843	107	44845	10622.5152987	ppb		98
29) bis(2-Chlorethoxy)methane	3.901	93	57636	10106.3334978	ppb		99
30) 2,4-Dichlorophenol	3.978	162	35604	10674.7802364	ppb		96
32) 1,2,4-Trichlorobenzene	4.031	180	37861	9492.2161317	ppb		95
34) Naphthalene	4.084	128	140965	10010.0274727	ppb		99
35) 4-Chloroaniline	4.107	65	15704	10611.5716664	ppb	#	53
36) Hexachloro-1,3-butadiene	4.148	225	21266	9884.5724513	ppb		99
40) 4-Chloro-3-methylphenol	4.395	107	38401	11004.6399069	ppb		94
41) 2-Methylnaphthalene	4.519	142	90219	10197.1111175	ppb		99
42) 1-Methylnaphthalene	4.584	142	87301	10136.2282762	ppb		99
47) Hexachlorocyclopentadiene	4.613	237	21924	11348.9629315	ppb		95
48) 2,4,6-Trichlorophenol	4.695	196	23613	10675.1626317	ppb		95

Data Path : C:\msdchem\1\data\051222\
Data File : 0512_03.D
Acq On : 12 May 2022 5:15 am
Operator : 3545
Sample : ICV SVMS 10K PPB 22E03609 exp 10/01/22
Misc : SVMS CAL ISTD 22D28021 exp. 10/28/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 12 09:03:20 2022
Quant Method : C:\msdchem\1\methods\S824D29BV.M
Quant Title : 8270 BNA
QLast Update : Fri Apr 29 19:28:33 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

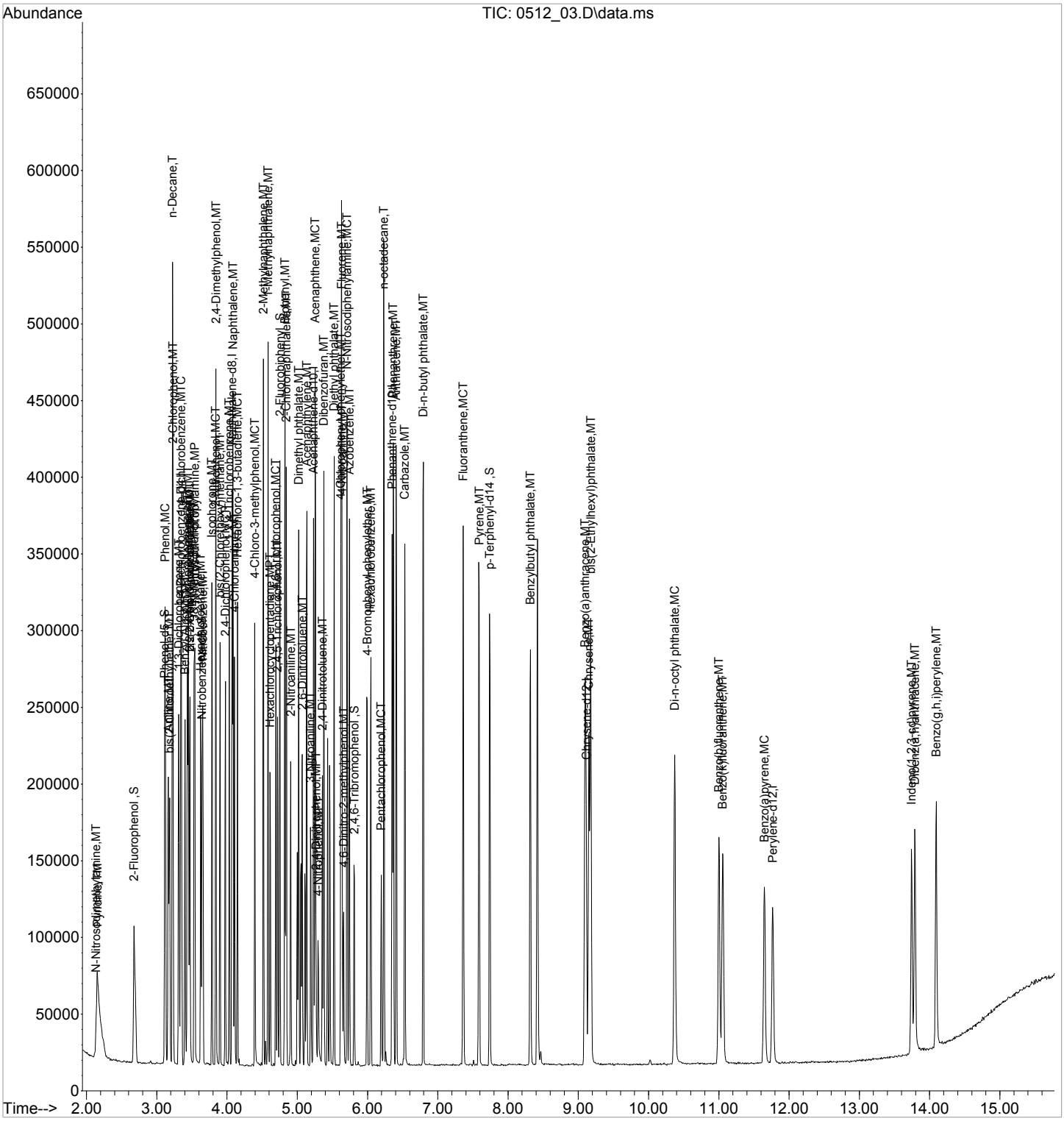
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
49)	2,4,5-Trichlorophenol	4.719	196	25264	11178.6977044 ppb		91
51)	Biphenyl	4.825	154	104710	9880.8477617 ppb		98
52)	2-Chloronaphthalene	4.842	162	82936	10140.5642645 ppb		96
53)	2-Nitroaniline	4.907	138	26545	10941.8034266 ppb		96
54)	Acenaphthylene	5.137	152	129287	10301.9418506 ppb		100
55)	Dimethyl phthalate	5.019	163	96458	10526.0159556 ppb		93
56)	2,6-Dinitrotoluene	5.072	165	22475	11235.0651373 ppb		84
57)	3-Nitroaniline	5.190	138	20492	10727.0330965 ppb		98
58)	Acenaphthene	5.254	153	84803	9971.1440203 ppb		98
59)	2,4-Dinitrophenol	5.266	184	6026	10260.2500823 ppb	#	1
60)	Dibenzofuran	5.378	168	113566	10007.0645046 ppb		99
61)	2,4-Dinitrotoluene	5.360	165	27384	10934.1065686 ppb		92
63)	4-Nitrophenol	5.295	139	13537	9788.4333110 ppb	#	82
64)	Fluorene	5.631	166	95023	10115.1239066 ppb		97
65)	4-Chlorophenyl-phenyle...	5.619	204	41970	9809.4727498 ppb		82
66)	Diethyl phthalate	5.525	149	102893	10792.3688532 ppb		98
67)	4-Nitroaniline	5.637	138	18212	15744.8705386 ppb		94
68)	Azobenzene	5.742	77	103672	10820.5858352 ppb		98
71)	4,6-Dinitro-2-methylph...	5.660	198	10852	11137.8172095 ppb		90
72)	N-Nitrosodiphenylamine	5.707	169	74962	9968.7335017 ppb		100
74)	4-Bromophenyl-phenylether	5.995	248	22988	9959.8033509 ppb		88
75)	Hexachlorobenzene	6.048	284	26351	9773.5821009 ppb		97
76)	n-octadecane	6.231	55	20212	11218.5068970 ppb		96
77)	Pentachlorophenol	6.195	266	10557	8921.1473055 ppb		95
78)	Phenanthrene	6.366	178	125368	9783.5405190 ppb		98
79)	Anthracene	6.407	178	126560	10402.0862733 ppb		99
80)	Carbazole	6.531	167	108033	10379.9571055 ppb		99
81)	Di-n-butyl phthalate	6.795	149	177952	11414.8144908 ppb		100
83)	Fluoranthene	7.360	202	128971	10285.6389302 ppb		100
86)	Pyrene	7.589	202	132658	10370.6414879 ppb		99
88)	Benzylbutyl phthalate	8.319	149	72007	12265.8501439 ppb		98
90)	Benzo(a)anthracene	9.095	228	100638	10557.1631603 ppb		100
91)	Chrysene	9.148	228	100234	9955.1707725 ppb		98
92)	bis(2-Ethylhexyl)phtha...	9.178	149	105798	12215.4733133 ppb		99
93)	Di-n-octyl phthalate	10.372	149	161731	11973.2218647 ppb		100
95)	Benzo(b)fluoranthene	11.001	252	92391	10261.7050232 ppb		98
96)	Benzo(k)fluoranthene	11.054	252	94145	10226.4250363 ppb		99
97)	Benzo(a)pyrene	11.648	252	78194	10714.3861335 ppb		99
98)	Indeno(1,2,3-cd)pyrene	13.742	276	69305	10433.8515044 ppb		99
99)	Dibenz(a,h)anthracene	13.789	278	77464	10405.1054594 ppb		97
100)	Benzo(g,h,i)perylene	14.095	276	80982	10268.4174494 ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\051222\
Data File : 0512_03.D
Acq On : 12 May 2022 5:15 am
Operator : 3545
Sample : ICV SVMS 10K PPB 22E03609 exp 10/01/22
Misc : SVMS CAL ISTD 22D28021 exp. 10/28/22
ALS Vial : 3 Sample Multiplier: 1

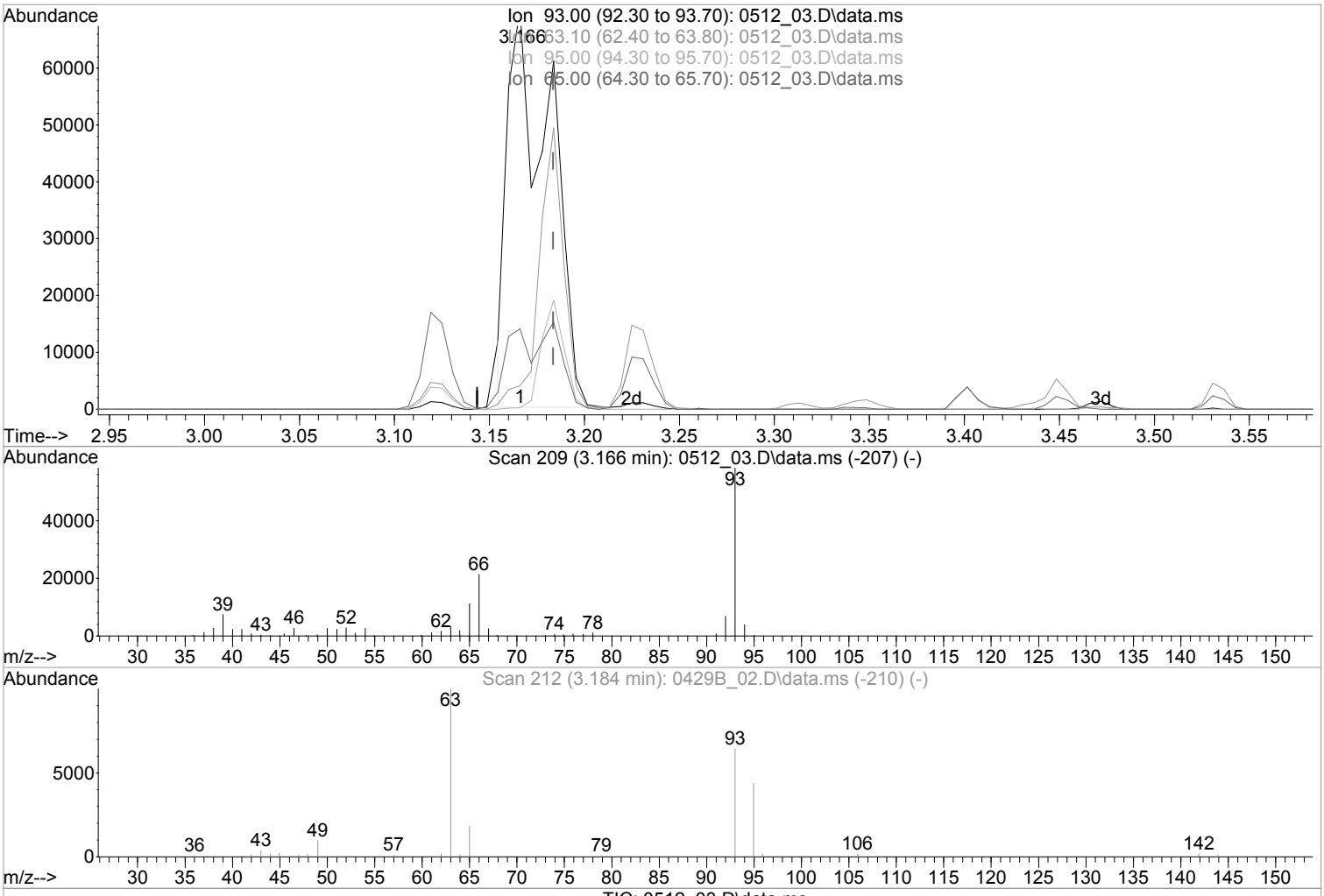
Quant Time: May 12 09:03:20 2022
Quant Method : C:\msdchem\1\methods\S824D29BV.M
Quant Title : 8270 BNA
QLast Update : Fri Apr 29 19:28:33 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\051222\
Data File : 0512_03.D
Acq On : 12 May 2022 5:15 am
Operator : 3545
Sample : ICV SVMS 10K PPB 22E03609 exp 10/01/22
Misc : SVMS CAL ISTD 22D28021 exp. 10/28/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 12 05:46:35 2022
Quant Method : C:\msdchem\1\methods\S824D29BV.M
Quant Title : 8270 BNA
QLast Update : Fri Apr 29 19:28:33 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0512_03.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.166min (-0.018) 23312.8820509 ppb

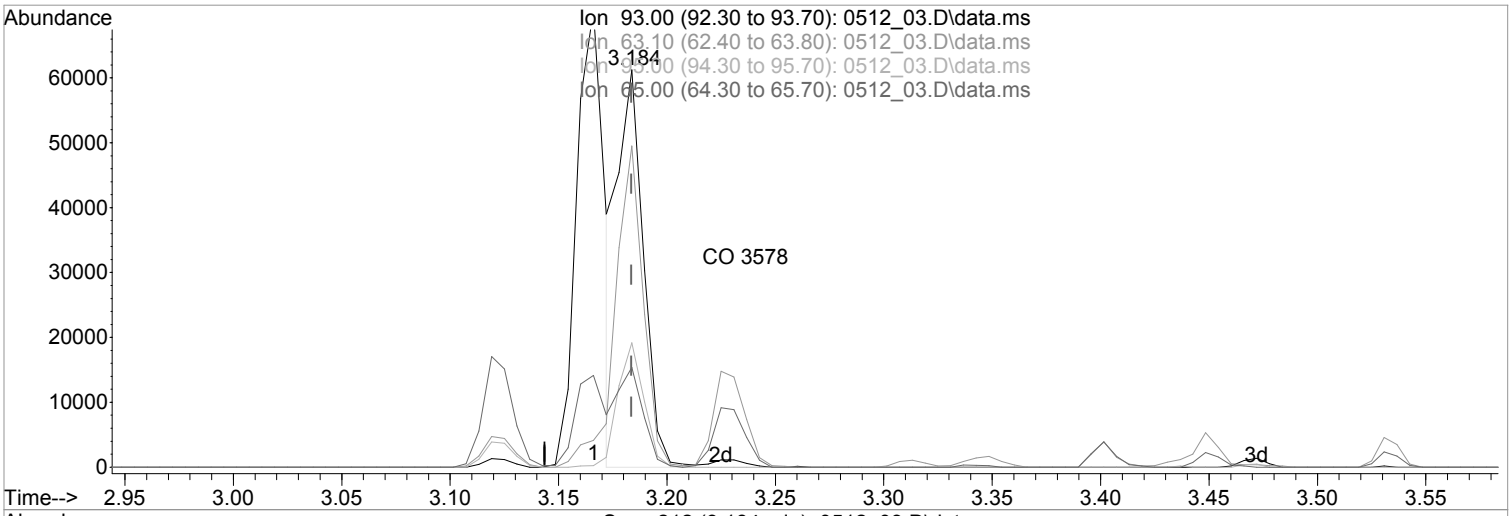
Qvalue = 37

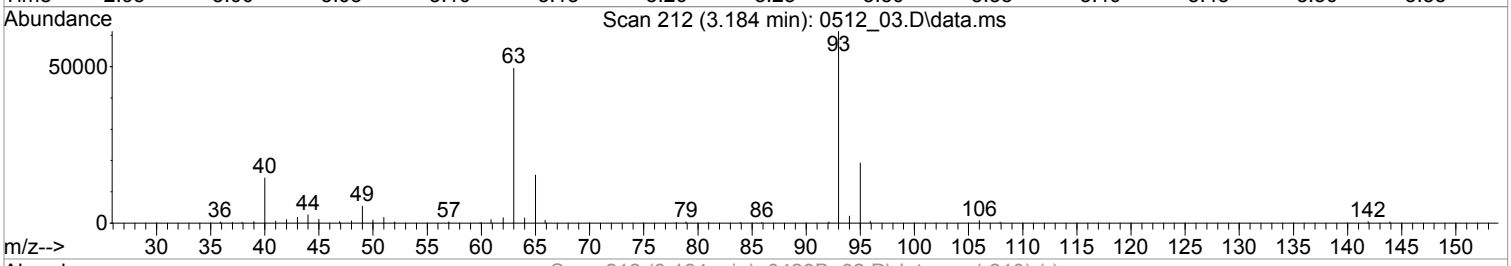
response 108353

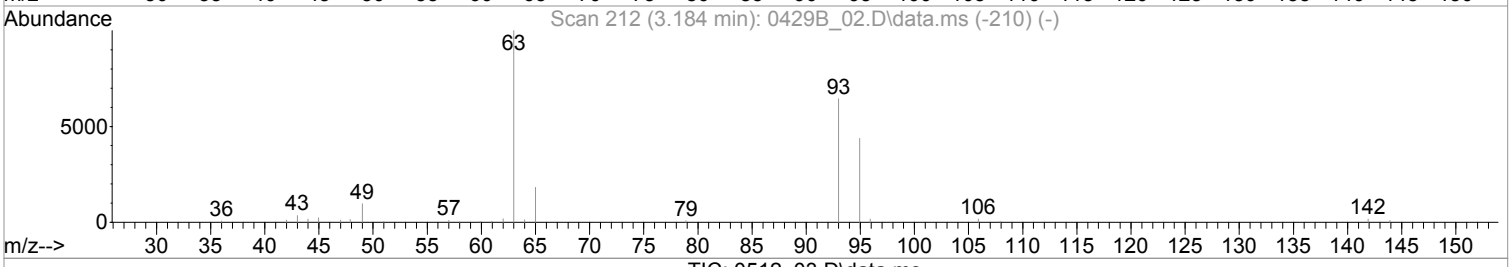
Ion	Exp%	Act%
93.00	100	100
63.10	76.00	5.37#
95.00	31.90	0.31#
65.00	23.10	19.90

Data Path : C:\msdchem\1\data\051222\
Data File : 0512_03.D
Acq On : 12 May 2022 5:15 am
Operator : 3545
Sample : ICV SVMS 10K PPB 22E03609 exp 10/01/22
Misc : SVMS CAL ISTD 22D28021 exp. 10/28/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 12 05:46:35 2022
Quant Method : C:\msdchem\1\methods\S824D29BV.M
Quant Title : 8270 BNA
QLast Update : Fri Apr 29 19:28:33 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0512_03.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.184min (+0.000) 10920.0669627 ppb m

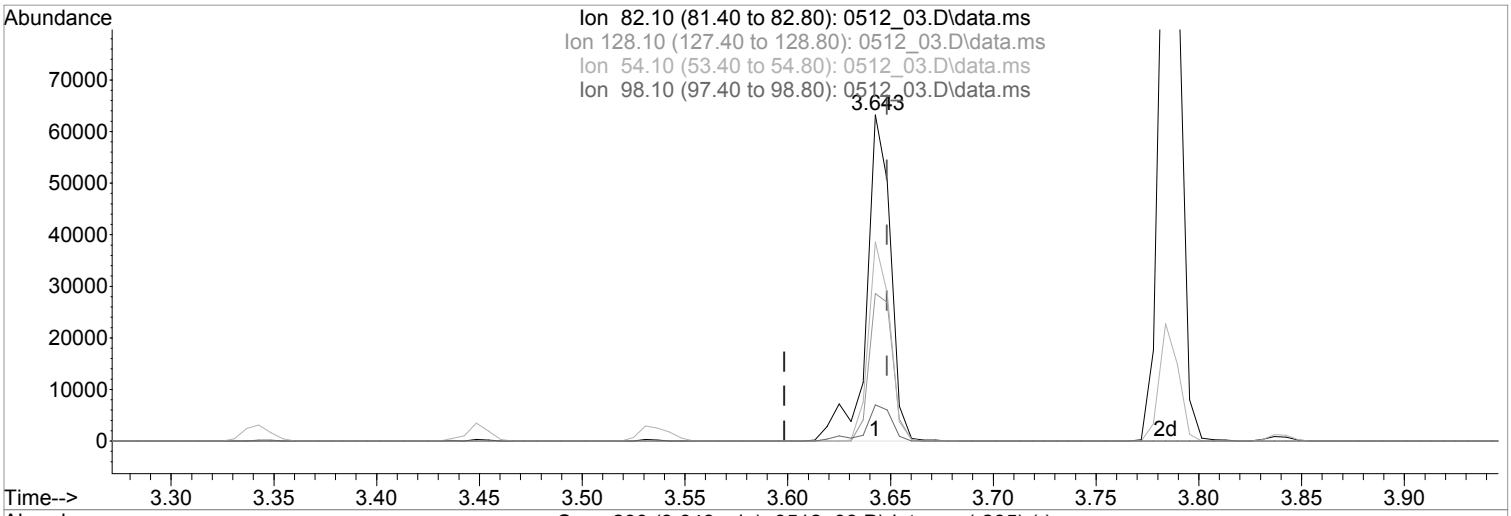
response 50754

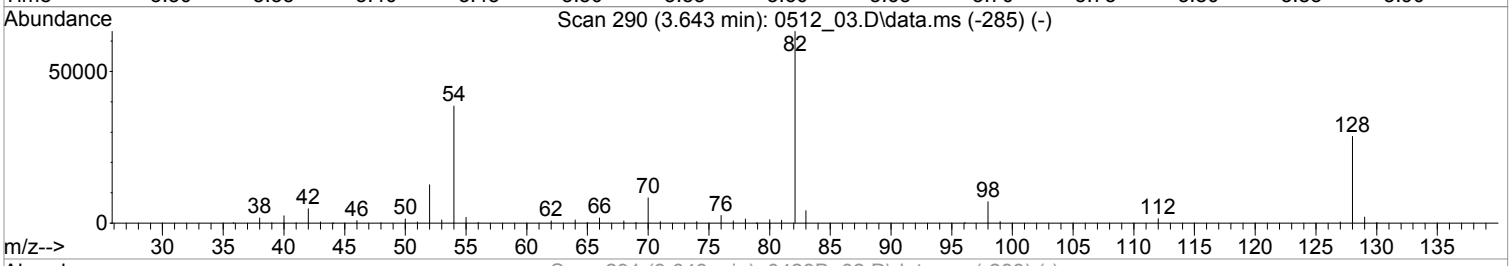
Ion	Exp%	Act%
93.00	100	100
63.10	76.00	80.84
95.00	31.90	31.32
65.00	23.10	25.08

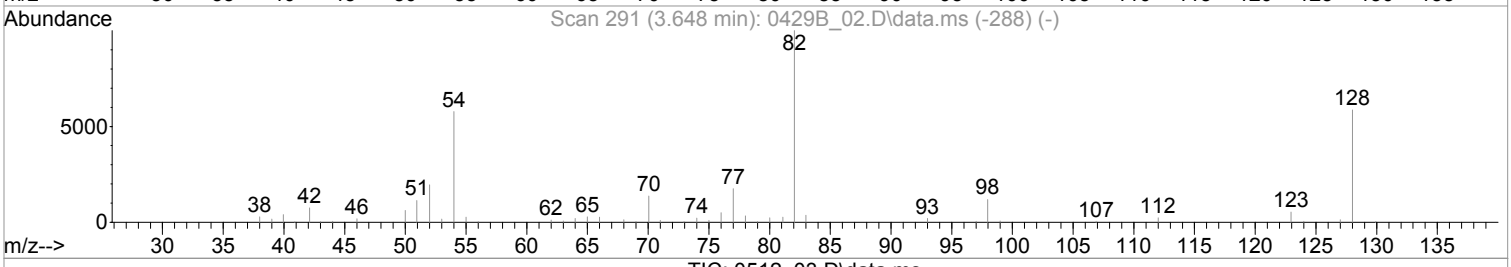
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\051222\
Data File : 0512_03.D
Acq On : 12 May 2022 5:15 am
Operator : 3545
Sample : ICV SVMS 10K PPB 22E03609 exp 10/01/22
Misc : SVMS CAL ISTD 22D28021 exp. 10/28/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 12 05:46:35 2022
Quant Method : C:\msdchem\1\methods\S824D29BV.M
Quant Title : 8270 BNA
QLast Update : Fri Apr 29 19:28:33 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0512_03.D\data.ms

(24) Nitrobenzene-d5 (S)

3.643min (-0.006) 12041.9144018 ppb

Qvalue = 98

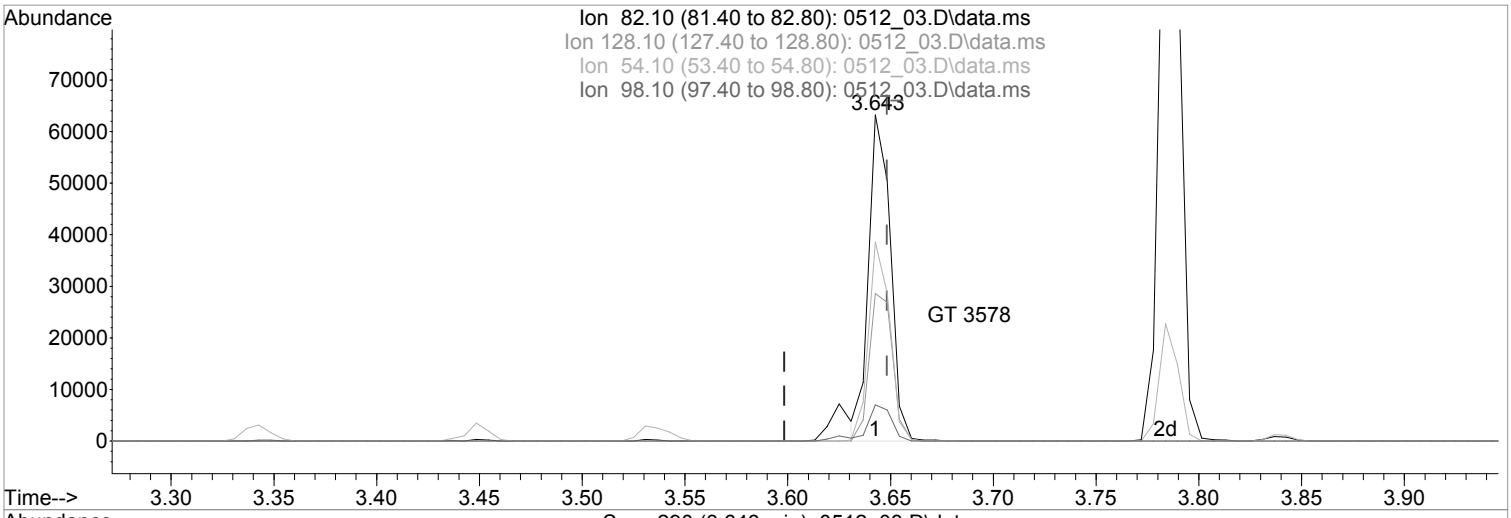
response 51664

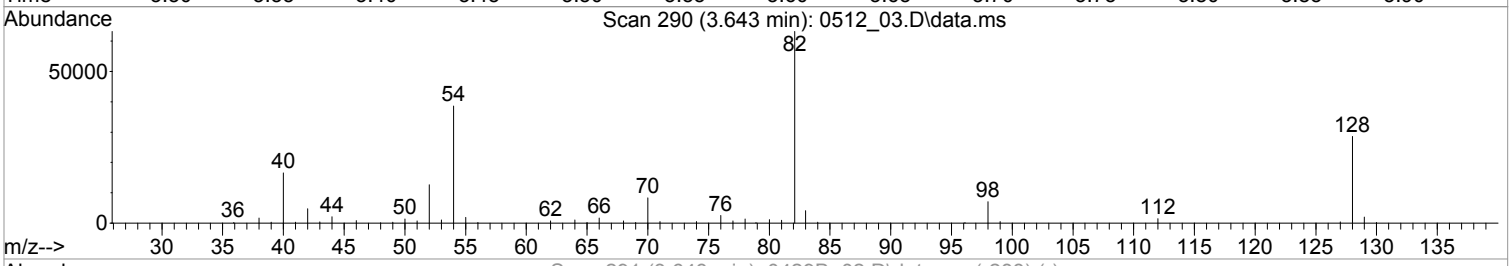
Ion	Exp%	Act%
82.10	100	100
128.10	46.80	45.23
54.10	60.00	61.08
98.10	11.40	11.14

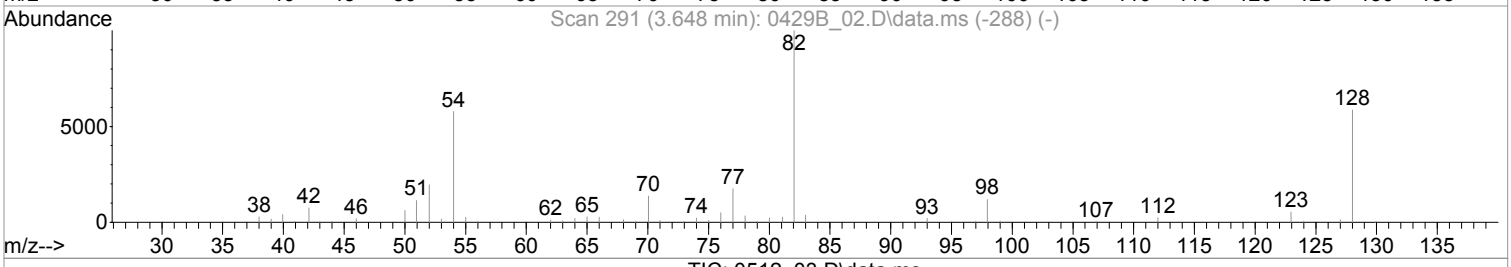
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\051222\
Data File : 0512_03.D
Acq On : 12 May 2022 5:15 am
Operator : 3545
Sample : ICV SVMS 10K PPB 22E03609 exp 10/01/22
Misc : SVMS CAL ISTD 22D28021 exp. 10/28/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 12 05:46:35 2022
Quant Method : C:\msdchem\1\methods\S824D29BV.M
Quant Title : 8270 BNA
QLast Update : Fri Apr 29 19:28:33 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M







TIC: 0512_03.D\data.ms

(24) Nitrobenzene-d5 (S)

3.643min (-0.006) 10908.2067592 ppb m

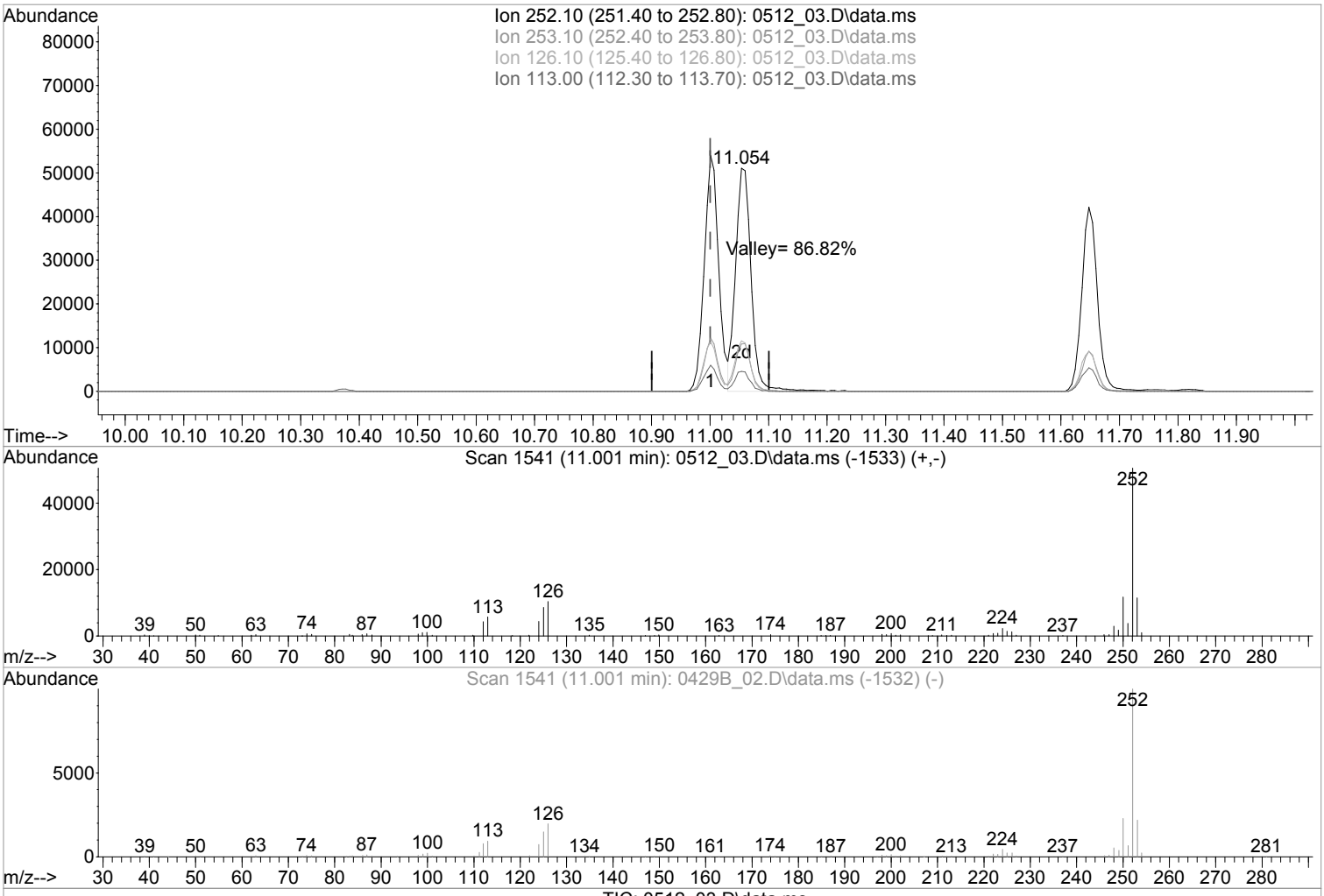
response 46800

Ion	Exp%	Act%
82.10	100	100
128.10	46.80	45.23
54.10	60.00	61.08
98.10	11.40	11.14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\051222\
Data File : 0512_03.D
Acq On : 12 May 2022 5:15 am
Operator : 3545
Sample : ICV SVMS 10K PPB 22E03609 exp 10/01/22
Misc : SVMS CAL ISTD 22D28021 exp. 10/28/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 12 05:46:35 2022
Quant Method : C:\msdchem\1\methods\S824D29BV.M
Quant Title : 8270 BNA
QLast Update : Fri Apr 29 19:28:33 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0512_03.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.001min (+0.000) 10261.7050232 ppb

Qvalue = 98

response 92391

Ion	Exp%	Act%
252.10	100	100
253.10	21.80	22.69
126.10	20.00	20.55
113.00	9.70	11.28

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488161	**Calibration (begin) date/time:**	03/31/22 17:24
Instrument ID:	BNAMS24	**Calibration (end) date/time:**	03/31/22 22:23
Lab File ID:	0512_04	**Analysis date/time:**	05/12/22 05:36
Analytical Method:	8270E	**Sample ID:**	ICV

Analyte	Avg. RRF	RRF	Min. RRF	Diff.	Max Diff.	True Value	Result	Result	Limits
				%	*%*	*mg/l*	*mg/l*	*% Rec.*	*%*
BENZOIC ACID	0.079140	0.05766377		27.10	20	10	8.138	81.40	80 - 120

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\051222\
Data File : 0512_04.D
Acq On : 12 May 2022 5:36 am
Operator : 3545
Sample : ICV TCL 10K1 PPB 22D19628 exp 9/10/22
Misc : TCL CAL ISTD 22D16229 exp. 10/16/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 12 09:06:09 2022
Quant Method : C:\msdchem\1\methods\S824D29BV.M
Quant Title : 8270 BNA
QLast Update : Fri Apr 29 19:28:33 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M

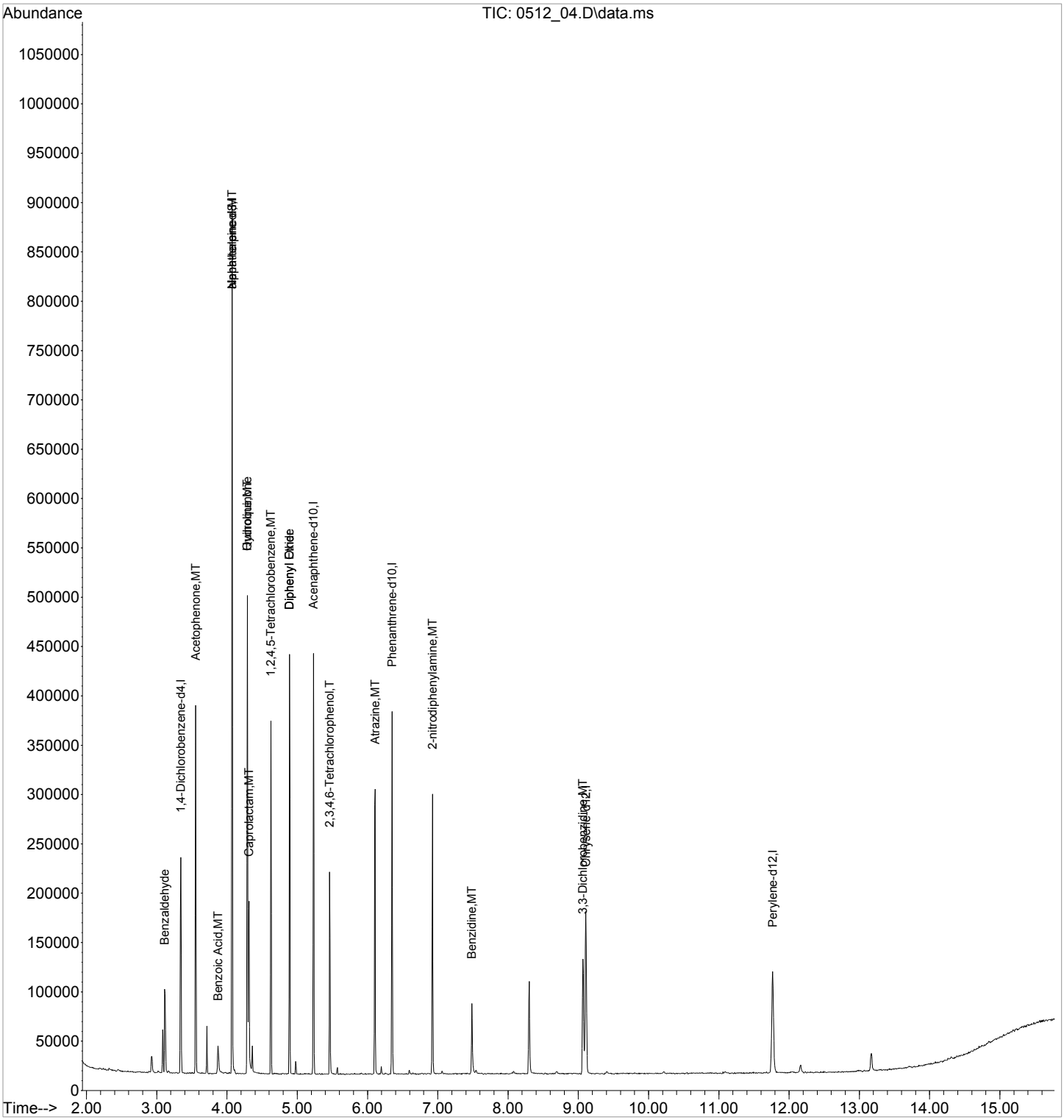
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.343	152	30703	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.072	136	143813	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.231	164	63991	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.348	188	102325	8000.0000000	ppb	0.00
84) Chrysene-d12	9.107	240	68574	8000.0000000	ppb	0.00
94) Perylene-d12	11.765	264	62187	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
7) Phenol-d5	0.000	99	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.000	82	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.000	244	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.113	105	17452	13593.6833411	ppb	99
22) Acetophenone	3.554	105	73641	11142.5860874	ppb	98
31) Benzoic Acid	3.872	105	10366m	8138.0427818	ppb	
33) alpha-terpineol	4.072	59	52740	11905.9290179	ppb	96
37) Hydroquinone	4.290	110	35812m	11416.0125474	ppb	
38) Quinoline	4.290	129	93474	11257.0651120	ppb	100
39) Caprolactam	4.313	113	14895	13623.8156116	ppb #	73
43) 1,2,4,5-Tetrachloroben...	4.625	216	39926	10325.8685939	ppb	99
44) Diphenyl Ether	4.889	170	62115	10719.2718940	ug/ml	98
45) Diphenyl Oxide	4.889	170	62115	10719.2718940	ug/ml	98
62) 2,3,4,6-Tetrachlorophenol	5.460	232	18262	10528.0467658	ppb	77
69) Atrazine	6.107	200	25401	11030.2315985	ppb	96
82) 2-nitrodiphenylamine	6.925	167	30536	12966.5248904	ppb	94
85) Benzidine	7.483	184	29874	15370.9619400	ppb	97
89) 3,3-Dichlorobenzidine	9.066	252	33116	11150.1925156	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\051222\
Data File : 0512_04.D
Acq On : 12 May 2022 5:36 am
Operator : 3545
Sample : ICV TCL 10K1 PPB 22D19628 exp 9/10/22
Misc : TCL CAL ISTD 22D16229 exp. 10/16/22
ALS Vial : 4 Sample Multiplier: 1

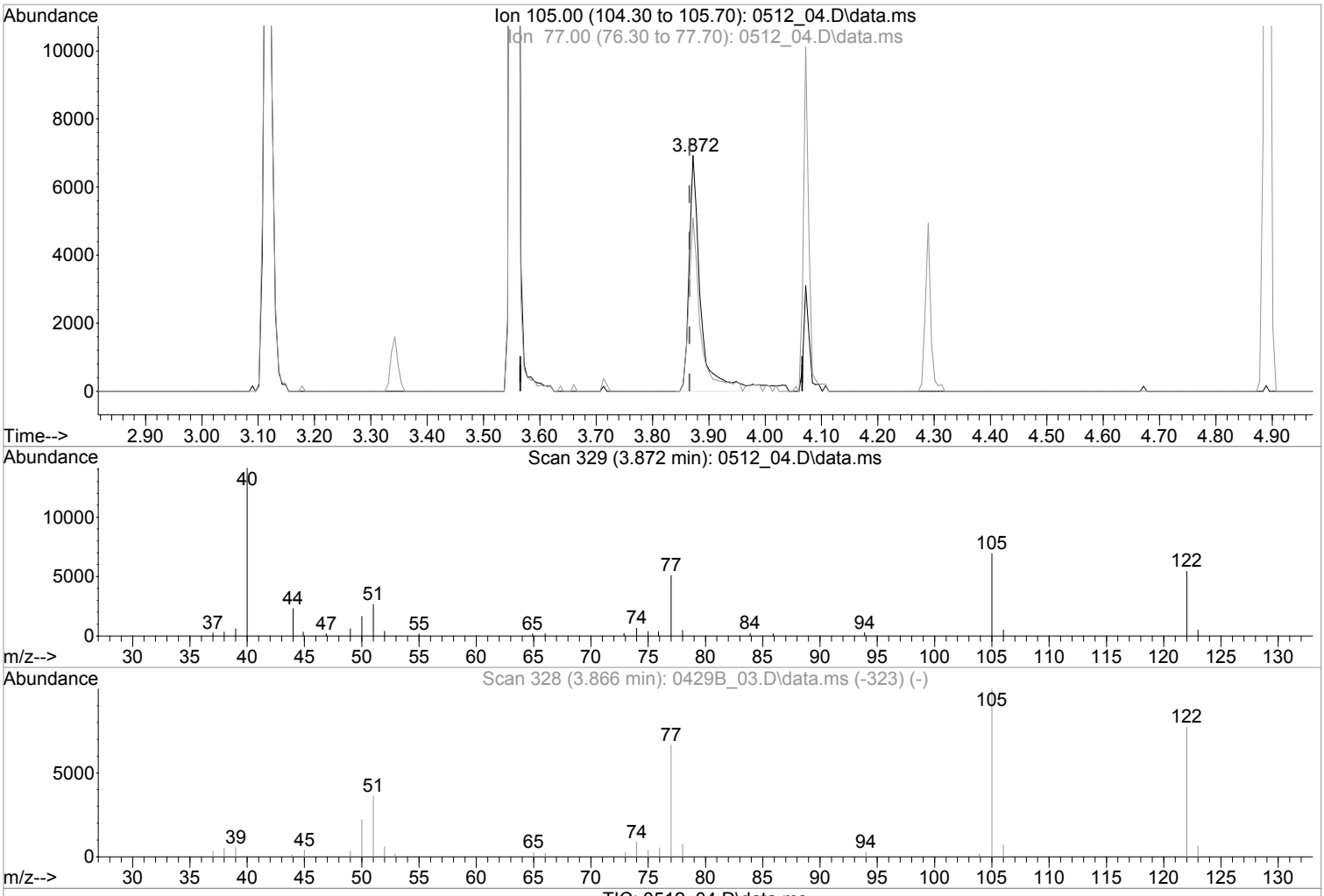
Quant Time: May 12 09:06:09 2022
Quant Method : C:\msdchem\1\methods\S824D29BV.M
Quant Title : 8270 BNA
QLast Update : Fri Apr 29 19:28:33 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
Pace Analytical - Minnesota	10606395	L1488161	05/13/22 16:05	331 of 390

Data Path : C:\msdchem\1\data\051222\
Data File : 0512_04.D
Acq On : 12 May 2022 5:36 am
Operator : 3545
Sample : ICV TCL 10K1 PPB 22D19628 exp 9/10/22
Misc : TCL CAL ISTD 22D16229 exp. 10/16/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 12 05:54:28 2022
Quant Method : C:\msdchem\1\methods\S824D29BV.M
Quant Title : 8270 BNA
QLast Update : Fri Apr 29 19:28:33 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0512_04.D\data.ms

(31) Benzoic Acid (MT)

3.872min (+0.006) 7739.8577657 ppb

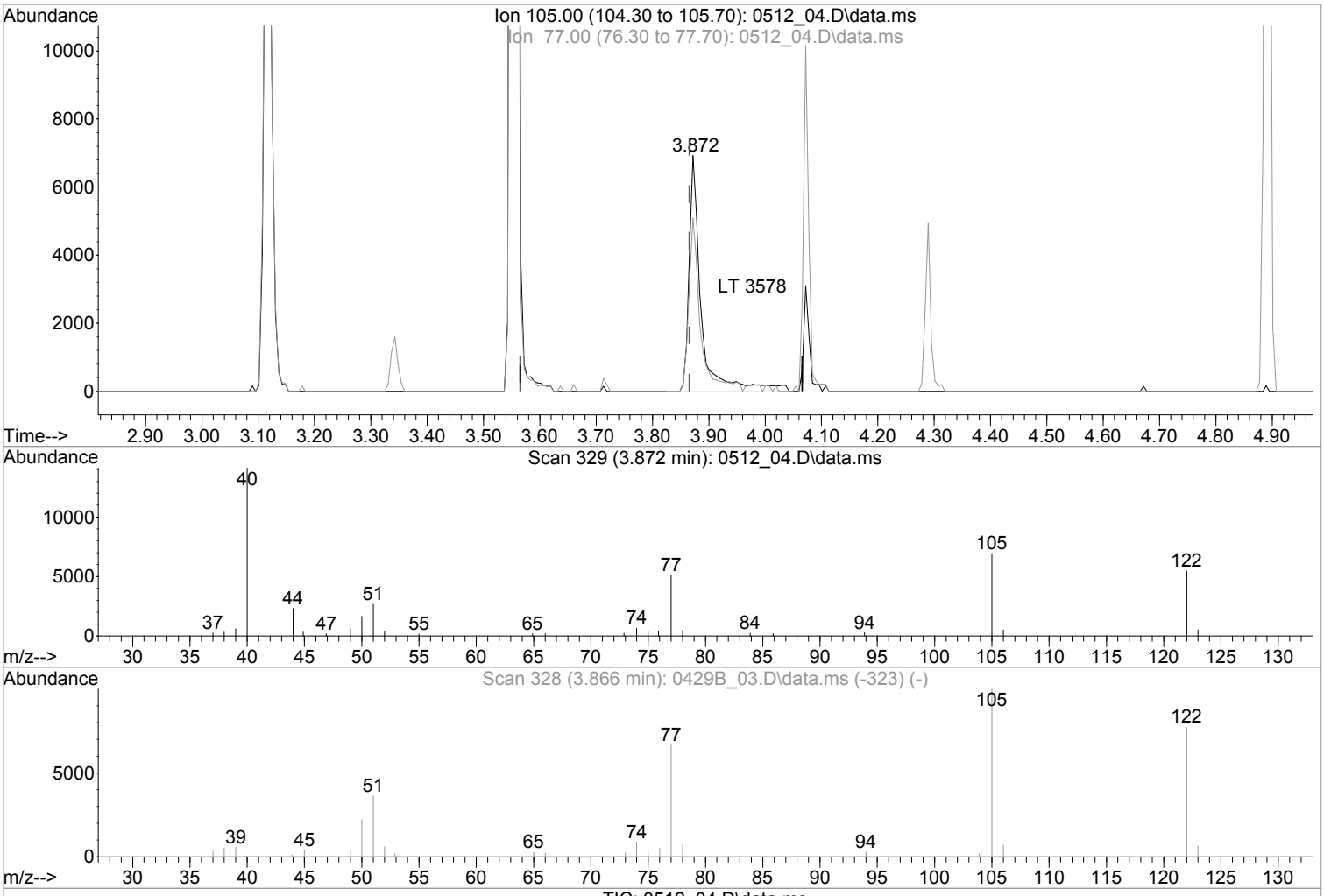
Qvalue = 97

response 9690

Ion	Exp%	Act%
105.00	100	100
77.00	73.10	75.33
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : C:\msdchem\1\data\051222\
Data File : 0512_04.D
Acq On : 12 May 2022 5:36 am
Operator : 3545
Sample : ICV TCL 10K1 PPB 22D19628 exp 9/10/22
Misc : TCL CAL ISTD 22D16229 exp. 10/16/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 12 05:54:28 2022
Quant Method : C:\msdchem\1\methods\S824D29BV.M
Quant Title : 8270 BNA
QLast Update : Fri Apr 29 19:28:33 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0512_04.D\data.ms

(31) Benzoic Acid (MT)

3.872min (+0.006) 8138.0427818 ppb m

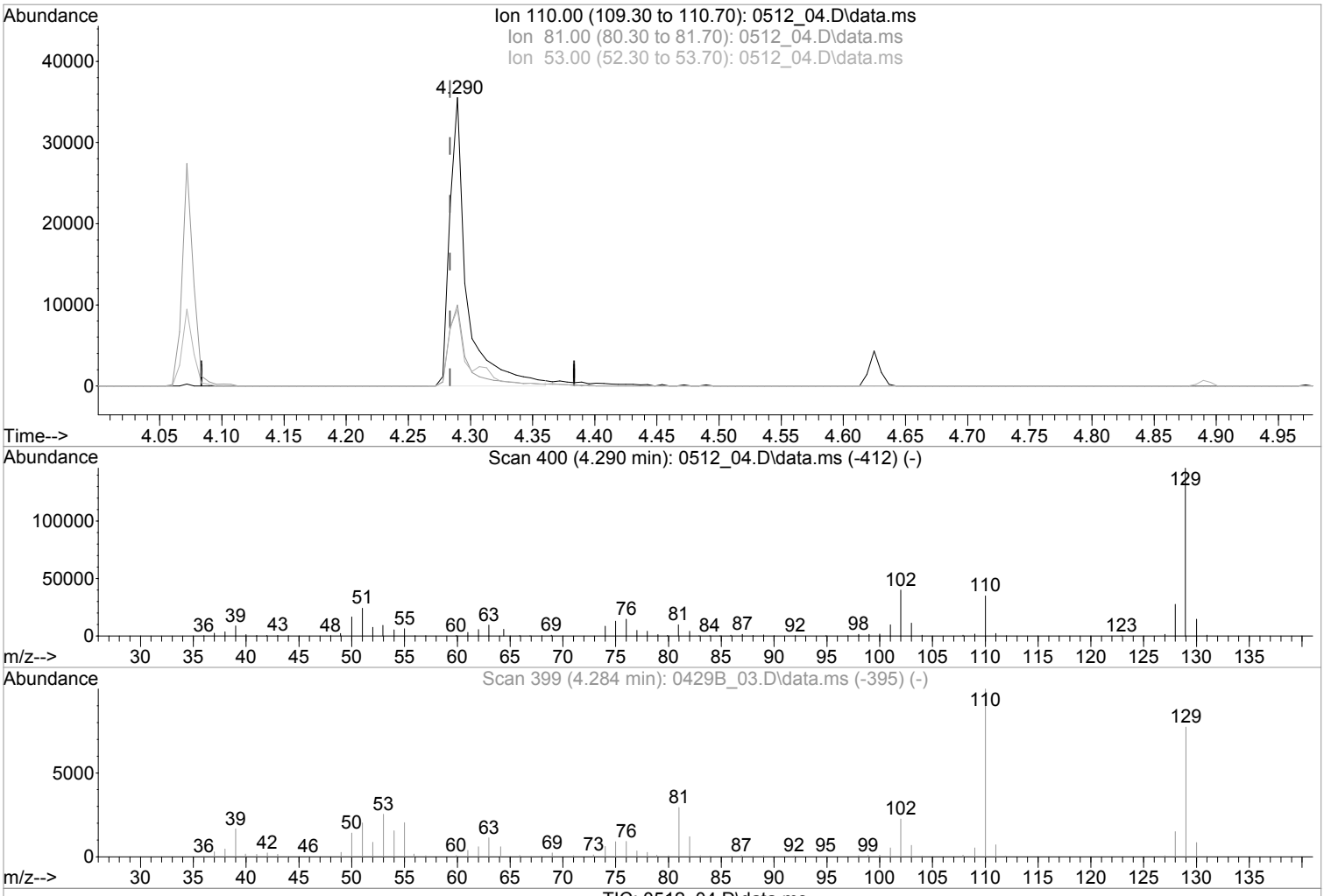
response 10366

Ion	Exp%	Act%
105.00	100	100
77.00	73.10	70.41
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\051222\
Data File : 0512_04.D
Acq On : 12 May 2022 5:36 am
Operator : 3545
Sample : ICV TCL 10K1 PPB 22D19628 exp 9/10/22
Misc : TCL CAL ISTD 22D16229 exp. 10/16/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 12 05:54:28 2022
Quant Method : C:\msdchem\1\methods\S824D29BV.M
Quant Title : 8270 BNA
QLast Update : Fri Apr 29 19:28:33 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0512_04.D\data.ms

(37) Hydroquinone

4.290min (+0.006) 10829.7831529 ppb

Qvalue = 95

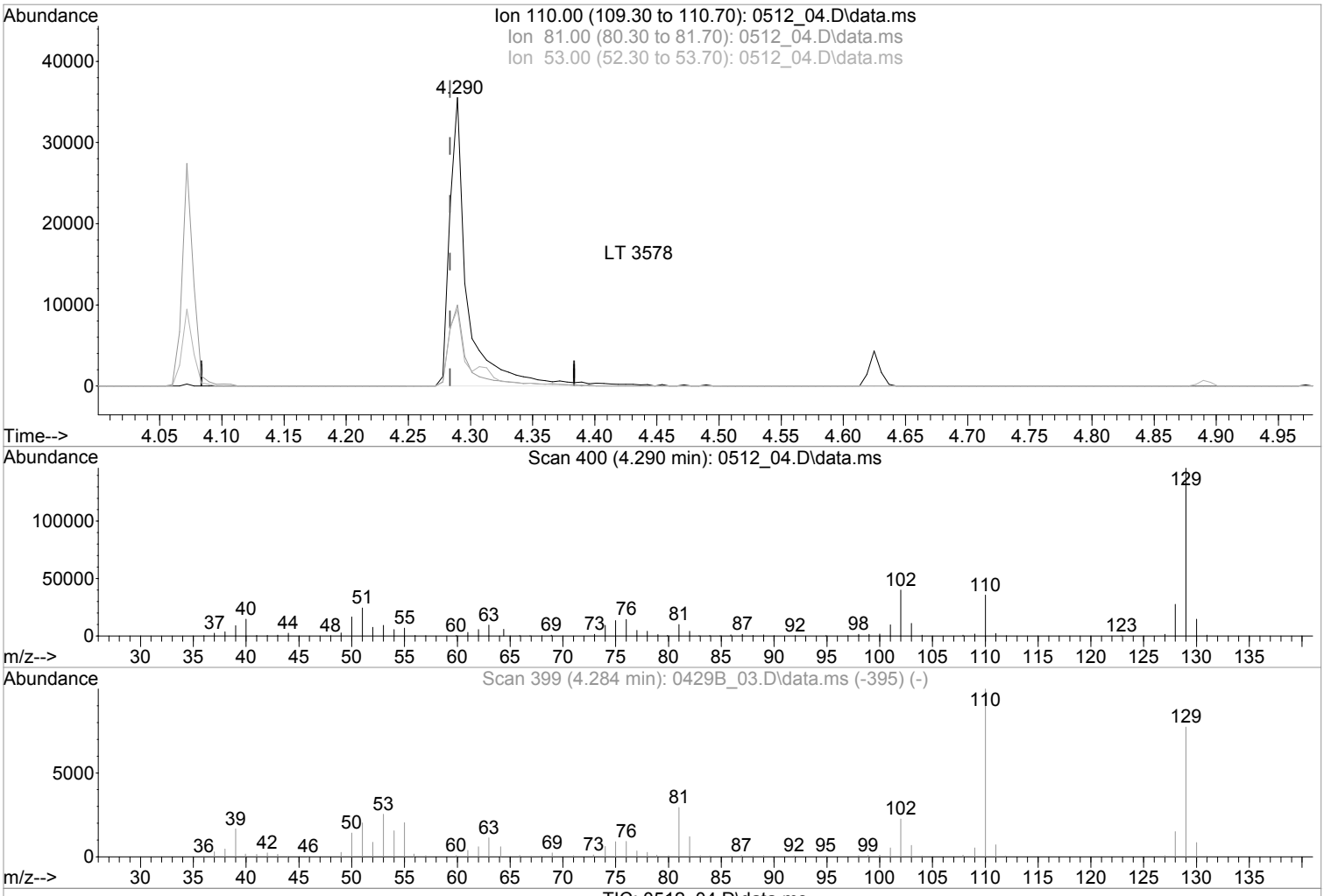
response 33973

Ion	Exp%	Act%
110.00	100	100
81.00	27.40	28.12
53.00	22.10	26.42
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\051222\
Data File : 0512_04.D
Acq On : 12 May 2022 5:36 am
Operator : 3545
Sample : ICV TCL 10K1 PPB 22D19628 exp 9/10/22
Misc : TCL CAL ISTD 22D16229 exp. 10/16/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 12 05:54:28 2022
Quant Method : C:\msdchem\1\methods\S824D29BV.M
Quant Title : 8270 BNA
QLast Update : Fri Apr 29 19:28:33 2022
Response via : Initial Calibration
DataAcq Meth:BNA24PS.M



TIC: 0512_04.D\data.ms

(37) Hydroquinone

4.290min (+0.006) 11416.0125474 ppb m

response 35812

Ion	Exp%	Act%
110.00	100	100
81.00	27.40	28.12
53.00	22.10	26.42
0.00	0.00	0.00

ANALYTICAL SEQUENCE

SDG:	L1488161	**Analytical Method:**	8270E
Instrument ID:	BNAMS4	**Calibration Start Date:**	02/09/22 10:43
		Calibration End Date:	02/09/22 15:35

Client Sample ID	Lab Sample ID	File ID	Analysis Date Time	Dilution	Batch
TUNE	BNAMS40209220209_05577847	0209_05	02/09/22 10:23		
CAL	500	0209_06	02/09/22 10:43		
CAL	1000	0209_07	02/09/22 11:04		
CAL	4000	0209_08	02/09/22 11:25		
CAL	10000	0209_09	02/09/22 11:46		
CAL	20000	0209_10	02/09/22 12:07		
CAL	30000	0209_11	02/09/22 12:27		
CAL	40000	0209_12	02/09/22 12:48		
CAL	50000	0209_13	02/09/22 13:09		
CAL	1K1	0209_14	02/09/22 13:30		
CAL	4K1	0209_15	02/09/22 13:51		
CAL	10K1	0209_16	02/09/22 14:11		
CAL	20K1	0209_17	02/09/22 14:32		
CAL	30K1	0209_18	02/09/22 14:53		
CAL	40K1	0209_19	02/09/22 15:14		
CAL	50K1	0209_20	02/09/22 15:35		
SSCV	BNAMS40209220209_21577847	0209_21	02/09/22 15:56		
SSCV	BNAMS40209220209_22577847	0209_22	02/09/22 16:16		
TUNE	BNAMS40512220512_02T-1577847	0512_02T-1	05/12/22 04:55		
ICV	BNAMS40512220512_03577847	0512_03	05/12/22 05:16		
ICV	BNAMS40512220512_04577847	0512_04	05/12/22 05:37		
LCS	R3791358-1	0512_05	05/12/22 06:09	1	WG1860981
BLANK	R3791358-2	0512_06	05/12/22 06:29	1	WG1860981
LCS	R3791359-1	0512_07	05/12/22 06:50	1	WG1861595
BLANK	R3791359-2	0512_08	05/12/22 07:11	1	WG1861595
L1488171-03	L1488171-03	0512_17	05/12/22 10:18	1	WG1860981
BNSF-BG18-042722-0-10	L1488161-02	0512_18	05/12/22 10:39	1	WG1860981
L1488171-01	L1488171-01	0512_19	05/12/22 11:00	1	WG1860981
L1488171-04	L1488171-04	0512_20	05/12/22 11:21	1	WG1860981
BNSF-SG03-042722-0-5.5	L1488161-04	0512_21	05/12/22 11:42	1	WG1860981
OS	L1488414-03	0512_25	05/12/22 13:06		
L1488414-03	L1488414-03	0512_25	05/12/22 13:06	1	WG1861595
MS	R3791359-3	0512_26	05/12/22 13:27	1	WG1861595
MSD	R3791359-4	0512_27	05/12/22 13:47	1	WG1861595
BNSF-BG19-042722-0-10	L1488161-03	0512_33	05/12/22 15:53	5	WG1860981
MS	R3791358-3	0512_34	05/12/22 16:14	5	WG1860981
MSD	R3791358-4	0512_35	05/12/22 16:35	5	WG1860981

ANALYTICAL SEQUENCE

SDG:	L1488161	**Analytical Method:**	8270E
Instrument ID:	BNAMS24	**Calibration Start Date:**	03/31/22 17:24
		Calibration End Date:	03/31/22 22:23

Client Sample ID	Lab Sample ID	File ID	Analysis Date Time	Dilution	Batch
TUNE	BNAMS240331220331_02576947	0331_02	03/31/22 17:02		
CAL	500	0331_03	03/31/22 17:24		
CAL	1000	0331_04	03/31/22 17:45		
CAL	4000	0331_05	03/31/22 18:07		
CAL	10000	0331_06	03/31/22 18:28		
CAL	20000	0331_07	03/31/22 18:49		
CAL	30000	0331_08	03/31/22 19:11		
CAL	40000	0331_09	03/31/22 19:32		
CAL	50000	0331_10	03/31/22 19:53		
CAL	1K1	0331_11	03/31/22 20:15		
CAL	4K1	0331_12	03/31/22 20:36		
CAL	10K1	0331_13	03/31/22 20:58		
CAL	20K1	0331_14	03/31/22 21:19		
CAL	30K1	0331_15	03/31/22 21:40		
CAL	40K1	0331_16	03/31/22 22:02		
CAL	50K1	0331_17	03/31/22 22:23		
SSCV	BNAMS240331220331_18576947	0331_18	03/31/22 22:44		
SSCV	BNAMS240331220331_19576947	0331_19	03/31/22 23:06		
TUNE	BNAMS240512220512_02T-1576947	0512_02T-1	05/12/22 04:53		
ICV	BNAMS240512220512_03576947	0512_03	05/12/22 05:15		
ICV	BNAMS240512220512_04576947	0512_04	05/12/22 05:36		
OS	L1490679-18	0512_14	05/12/22 09:22		
L1490679-18	L1490679-18	0512_14	05/12/22 09:22	10	WG1862273
L1488171-02	L1488171-02	0512_31	05/12/22 15:36	1	WG1860981
FD02-042722-0-10	L1488161-01	0512_32	05/12/22 15:58	1	WG1860981

DETECTION LIMIT SUMMARY

Lab Sample IDs: L1488161-01,02,03,04 **Analytical Method:** 8270E

Matrix: Solid **Prep Method:** 3546

Analyte	CAS	MDL	RDL
		mg/kg	*mg/kg*
Benzo(b)fluoranthene	205-99-2	0.006210	0.0333
Benzo(k)fluoranthene	207-08-9	0.005920	0.0333
Benzo(g,h,i)perylene	191-24-2	0.006090	0.0333
Benzo(a)pyrene	50-32-8	0.006190	0.0333
Acenaphthene	83-32-9	0.005390	0.0333
Carbazole	86-74-8	0.0103	0.3330
Chrysene	218-01-9	0.006620	0.0333
Dibenz(a,h)anthracene	53-70-3	0.009230	0.0333
Dibenzofuran	132-64-9	0.0109	0.3330
Acenaphthylene	208-96-8	0.004690	0.0333
Fluoranthene	206-44-0	0.006010	0.0333
Fluorene	86-73-7	0.005420	0.0333
Anthracene	120-12-7	0.005930	0.0333
Indeno(1,2,3-cd)pyrene	193-39-5	0.009410	0.0333
1-Methylnaphthalene	90-12-0	0.004260	0.0333
2-Methylnaphthalene	91-57-6	0.004320	0.0333
Naphthalene	91-20-3	0.008360	0.0333
Phenanthrene	85-01-8	0.006610	0.0333
Bis(2-ethylhexyl)phthalate	117-81-7	0.0422	0.3330
Di-n-butyl phthalate	84-74-2	0.0114	0.3330
Di-n-octyl phthalate	117-84-0	0.0225	0.3330
Pyrene	129-00-0	0.006480	0.0333
3&4-Methyl Phenol	3&4-Methyl Phenol	0.0104	0.3330
Pentachlorophenol	87-86-5	0.008960	0.3330
Phenol	108-95-2	0.0134	0.3330
Benzoic Acid	65-85-0	0.1180	1.67
Benzo(a)anthracene	56-55-3	0.005870	0.0333

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3791358-2	**SDG:**	L1488161
Client Sample ID:	BLANK	**Collected Date/Time:**	_____
Lab File ID:	0512_06	**Received Date/Time:**	_____
Instrument ID:	BNAMS4	**Preparation Date/Time:**	05/11/22 03:08
Analytical Batch:	WG1860981	**Analysis Date/Time:**	05/12/22 06:29
Dilution Factor:	1	**Prep Method:**	3546
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	15 g
Total Solids (%):	_____	**Final Wt/Vol:**	0.5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			mg/kg		*mg/kg*	*mg/kg*
Acenaphthene	83-32-9	0	U		0.00539	0.0333
Acenaphthylene	208-96-8	0	U		0.00469	0.0333
Anthracene	120-12-7	0	U		0.00593	0.0333
Benzoic Acid	65-85-0	0	U		0.118	1.67
Benzo(a)anthracene	56-55-3	0	U		0.00587	0.0333
Benzo(b)fluoranthene	205-99-2	0	U		0.00621	0.0333
Benzo(k)fluoranthene	207-08-9	0	U		0.00592	0.0333
Benzo(g,h,i)perylene	191-24-2	0	U		0.00609	0.0333
Benzo(a)pyrene	50-32-8	0	U		0.00619	0.0333
Carbazole	86-74-8	0	U		0.0103	0.333
Chrysene	218-01-9	0	U		0.00662	0.0333
Dibenz(a,h)anthracene	53-70-3	0	U		0.00923	0.0333
Dibenzofuran	132-64-9	0	U		0.0109	0.333
Fluoranthene	206-44-0	0	U		0.00601	0.0333
Fluorene	86-73-7	0	U		0.00542	0.0333
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.00941	0.0333
1-Methylnaphthalene	90-12-0	0	U		0.00426	0.0333
2-Methylnaphthalene	91-57-6	0	U		0.00432	0.0333
Naphthalene	91-20-3	0	U		0.00836	0.0333
Phenanthrene	85-01-8	0	U		0.00661	0.0333
Bis(2-ethylhexyl)phthalate	117-81-7	9.08	U		0.0422	0.333
Di-n-butyl phthalate	84-74-2	6.71	U		0.0114	0.333
Di-n-octyl phthalate	117-84-0	0	U		0.0225	0.333
Pyrene	129-00-0	0	U		0.00648	0.0333
3&4-Methyl Phenol	3&4-Methyl Phenol	0	U		0.0104	0.333
Pentachlorophenol	87-86-5	0	U		0.00896	0.333
Phenol	108-95-2	0	U		0.0134	0.333

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 06.D Vial: 11
Acq On : 12 May 2022 6:29 am Operator: 3545
Sample : BLANK 1x WG1860981 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 17:30 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	44998	8000.00	ppb	0.00
23) Naphthalene-d8	3.98	136	173167	8000.00	ppb	0.00
46) Acenaphthene-d10	5.14	164	86904	8000.00	ppb	0.00
70) Phenanthrene-d10	6.26	188	163811	8000.00	ppb	0.00
84) Chrysene-d12	9.00	240	146910	8000.00	ppb	0.00
94) Perylene-d12	11.67	264	143602	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.60	112	91779	12551.7034611	ppb	0.02
Spiked Amount 20000.000	Range 20 - 120		Recovery = 62.76%			
7) Phenol-d5	3.04	99	108577	12371.9133411	ppb	0.00
Spiked Amount 20000.000	Range 20 - 120		Recovery = 61.86%			
24) Nitrobenzene-d5	3.56	82	47556	6472.3918456	ppb	0.00
Spiked Amount 10000.000	Range 18 - 125		Recovery = 64.72%			
50) 2-Fluorobiphenyl	4.67	172	82537	5630.0487064	ppb	0.00
Spiked Amount 10000.000	Range 28 - 120		Recovery = 56.30%			
73) 2,4,6-Tribromophenol	5.72	330	20126	10853.3495060	ppb	0.00
Spiked Amount 20000.000	Range 17 - 137		Recovery = 54.27%			
87) p-Terphenyl-d14	7.65	244	128417	6396.2455838	ppb	0.00
Spiked Amount 10000.000	Range 13 - 131		Recovery = 63.96%			

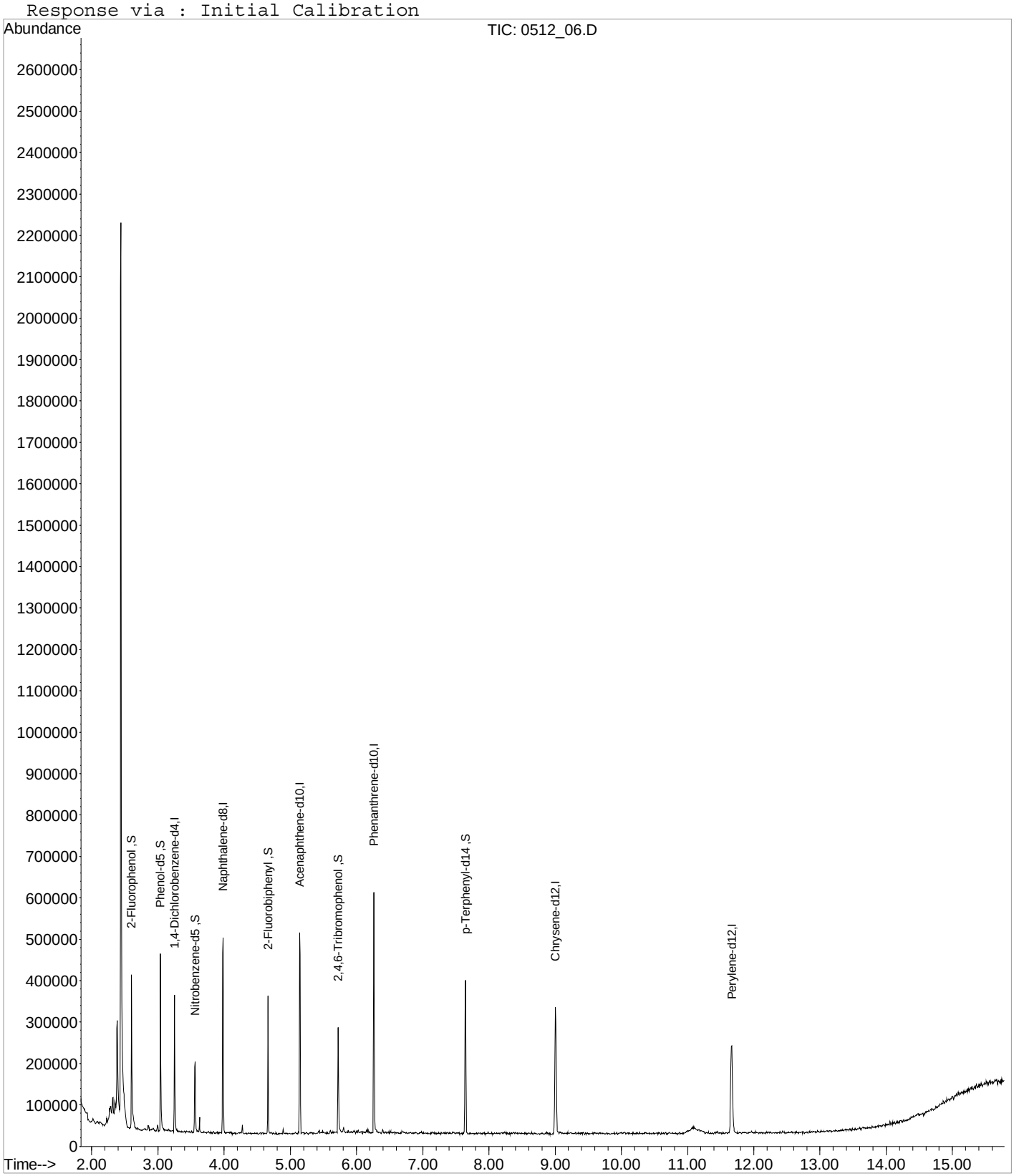
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 06.D Vial: 11
Acq On : 12 May 2022 6:29 am Operator: 3545
Sample : BLANK 1x WG1860981 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 17:30 2022 Quant Results File: S804E04BV.RES

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration



SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3791358-1	**SDG:**	L1488161
Client Sample ID:	LCS	**Collected Date/Time:**	_____
Lab File ID:	0512_05	**Received Date/Time:**	_____
Instrument ID:	BNAMS4	**Preparation Date/Time:**	05/11/22 03:08
Analytical Batch:	WG1860981	**Analysis Date/Time:**	05/12/22 06:09
Dilution Factor:	1	**Prep Method:**	3546
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	15 g
Total Solids (%):	_____	**Final Wt/Vol:**	0.5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			mg/kg		*mg/kg*	*mg/kg*
Acenaphthene	83-32-9	5.17	0.418		0.00539	0.0333
Acenaphthylene	208-96-8	5.05	0.440		0.00469	0.0333
Anthracene	120-12-7	6.32	0.419		0.00593	0.0333
Benzoic Acid	65-85-0	3.79	0.211		0.000	1.67
Benzo(a)anthracene	56-55-3	9	0.435		0.00587	0.0333
Benzo(b)fluoranthene	205-99-2	10.91	0.395		0.00621	0.0333
Benzo(k)fluoranthene	207-08-9	10.96	0.400		0.00592	0.0333
Benzo(g,h,i)perylene	191-24-2	14.04	0.434		0.00609	0.0333
Benzo(a)pyrene	50-32-8	11.56	0.433		0.00619	0.0333
Carbazole	86-74-8	6.45	0.405		0.0103	0.333
Chrysene	218-01-9	9.06	0.441		0.00662	0.0333
Dibenz(a,h)anthracene	53-70-3	13.73	0.403		0.00923	0.0333
Dibenzofuran	132-64-9	5.29	0.413		0.0109	0.333
Fluoranthene	206-44-0	7.27	0.419		0.00601	0.0333
Fluorene	86-73-7	5.54	0.414		0.00542	0.0333
Indeno(1,2,3-cd)pyrene	193-39-5	13.69	0.415		0.00941	0.0333
1-Methylnaphthalene	90-12-0	4.49	0.330		0.00426	0.0333
2-Methylnaphthalene	91-57-6	4.43	0.317		0.00432	0.0333
Naphthalene	91-20-3	4	0.323		0.00836	0.0333
Phenanthrene	85-01-8	6.29	0.414		0.00661	0.0333
Bis(2-ethylhexyl)phthalate	117-81-7	9.09	0.523		0.0422	0.333
Di-n-butyl phthalate	84-74-2	6.72	0.481		0.0114	0.333
Di-n-octyl phthalate	117-84-0	10.29	0.485		0.0225	0.333
Pyrene	129-00-0	7.50	0.425		0.00648	0.0333
3&4-Methyl Phenol	3&4-Methyl Phenol	3.46	0.459		0.0104	0.333
Pentachlorophenol	87-86-5	6.12	0.390		0.00896	0.333
Phenol	108-95-2	3.05	0.395		0.0134	0.333

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 05.D Vial: 10
Acq On : 12 May 2022 6:09 am Operator: 3545
Sample : LCS 1x WG1860981 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 17:27 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	45677	8000.00 ppb	0.00
23) Naphthalene-d8	3.98	136	213425	8000.00 ppb	0.00
46) Acenaphthene-d10	5.15	164	91874	8000.00 ppb	0.00
70) Phenanthrene-d10	6.27	188	182316	8000.00 ppb	0.00
84) Chrysene-d12	9.02	240	165152	8000.00 ppb	0.01
94) Perylene-d12	11.67	264	181936	8000.00 ppb	0.01
System Monitoring Compounds					
4) 2-Fluorophenol	2.60	112	88007	11856.9286060 ppb	0.02
Spiked Amount 20000.000	Range 20 - 120		Recovery = 59.28%		
7) Phenol-d5	3.04	99	106479	11952.4967507 ppb	0.00
Spiked Amount 20000.000	Range 20 - 120		Recovery = 59.76%		
24) Nitrobenzene-d5	3.56	82	49271m	5440.8994934 ppb	0.00
Spiked Amount 10000.000	Range 18 - 125		Recovery = 54.41%		
50) 2-Fluorobiphenyl	4.67	172	93818	6053.3639297 ppb	0.00
Spiked Amount 10000.000	Range 28 - 120		Recovery = 60.53%		
73) 2,4,6-Tribromophenol	5.73	330	28122	13626.0758406 ppb	0.00
Spiked Amount 20000.000	Range 17 - 137		Recovery = 68.13%		
87) p-Terphenyl-d14	7.65	244	145374	6441.0529862 ppb	0.00
Spiked Amount 10000.000	Range 13 - 131		Recovery = 64.41%		
Target Compounds					Qvalue
2) Pyridine	1.98	79	55129	7800.2739408 ppb	88
3) N-Nitrosodimethylamine	1.97	42	56125	14795.5969753 ppb	85
5) Aniline	3.08	66	42220	9990.1626641 ppb #	41
6) bis(2-Chloroethyl)ether	3.09	93	82854m	12621.3899033 ppb	
8) Phenol	3.05	94	111330	11864.0168385 ppb	84
9) Benzaldehyde	3.03	105	36671	18050.2866452 ppb #	84
10) 2-Chlorophenol	3.14	128	86457	11507.1741346 ppb	87
11) n-Decane	3.13	41	50641	11443.1160662 ppb #	96
12) 1,3-Dichlorobenzene	3.22	146	90232	10621.5728493 ppb	95
13) 1,4-Dichlorobenzene	3.26	146	93104	10647.9600483 ppb	95
14) Benzyl Alcohol	3.32	79	66205	11393.0234142 ppb	94
15) 1,2-Dichlorobenzene	3.35	146	89022	11075.5479399 ppb	93
16) bis(2-Chloroisopropyl)ethe	3.38	121	29760	10820.0546245 ppb #	26
17) 2,2-oxybis(1-chloropropane	3.38	121	29760	10820.0546245 ppb #	26
18) 2-Methylphenol	3.37	108	85488	12591.8006619 ppb	90
19) Hexachloroethane	3.54	117	39250	12366.0270131 ppb	97
20) N-Nitrosodi-n-propylamine	3.46	70	67301	13564.7962096 ppb	92
21) 3&4-Methyl phenol	3.46	107	106160	13766.0970018 ppb	92
22) Acetophenone	3.47	105	118799	12576.5360125 ppb #	68
25) Nitrobenzene	3.57	77	100846	11389.4136795 ppb	94
26) Isophorone	3.70	82	181409	11421.1801902 ppb	100
27) 2-Nitrophenol	3.75	139	45970	10300.6530648 ppb	83
28) 2,4-Dimethylphenol	3.76	107	97945	11817.2471459 ppb	93
29) bis(2-Chlorethoxy)methane	3.82	93	110101	10841.2217341 ppb	99
30) 2,4-Dichlorophenol	3.89	162	69676	9978.9762603 ppb	87
31) Benzoic Acid	3.79	105	22126	6336.3580442 ppb	92
32) 1,2,4-Trichlorobenzene	3.95	180	80277	10271.1728650 ppb	98
33) alpha-terpineol	3.98	59	88915	13280.6585968 ppb	96
34) Naphthalene	4.00	128	263791	9705.9575030 ppb	99
35) 4-Chloroaniline	4.02	65	32117	10170.4063676 ppb #	42
36) Hexachloro-1,3-butadiene	4.06	225	46811	10978.8740647 ppb	96
37) Hydroquinone	4.22	110	8217	1300.7457699 ppb	87
38) Quinoline	4.21	129	163486	11495.3906039 ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 05.D Vial: 10
Acq On : 12 May 2022 6:09 am Operator: 3545
Sample : LCS 1x WG1860981 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 17:27 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
39)	Caprolactam	4.23	113	26800	18223.8172888 ppb		86
40)	4-Chloro-3-methylphenol	4.32	107	71328	10134.2263033 ppb		81
41)	2-Methylnaphthalene	4.43	142	168851	9534.4095407 ppb	#	95
42)	1-Methylnaphthalene	4.49	142	164973	9912.5698624 ppb	#	94
43)	1,2,4,5-Tetrachlorobenzene	4.54	216	75510	13218.1415444 ppb		99
44)	Diphenyl Ether	4.81	170	110603	12137.1850920 ug/ml	#	82
45)	Diphenyl Oxide	4.81	170	110603	12137.1850920 ug/ml	#	82
47)	Hexachlorocyclopentadiene	4.53	237	32879	7638.4701476 ppb		93
48)	2,4,6-Trichlorophenol	4.61	196	50938	12782.9516589 ppb	#	87
49)	2,4,5-Trichlorophenol	4.64	196	45251	10911.5399200 ppb		96
51)	Biphenyl	4.73	154	208118	12092.8061624 ppb		99
52)	2-Chloronaphthalene	4.76	162	163247	12429.1201173 ppb		98
53)	2-Nitroaniline	4.83	138	55982	13750.2563542 ppb	#	75
54)	Acenaphthylene	5.05	152	270066	13217.2111001 ppb		99
55)	Dimethyl phthalate	4.94	163	185509	13632.9337346 ppb		96
56)	2,6-Dinitrotoluene	4.99	165	42276	13400.1347406 ppb	#	67
57)	3-Nitroaniline	5.11	138	44781	13183.3742036 ppb		90
58)	Acenaphthene	5.17	153	168815	12559.1767617 ppb		95
59)	2,4-Dinitrophenol	5.19	184	8744	5346.4742380 ppb	#	1
60)	Dibenzofuran	5.29	168	231264	12406.1080645 ppb	#	91
61)	2,4-Dinitrotoluene	5.28	165	60428	15294.9229977 ppb		83
62)	2,3,4,6-Tetrachlorophenol	5.38	232	35696	13624.6638257 ppb		97
63)	4-Nitrophenol	5.23	139	33785	12041.4089675 ppb	#	65
64)	Fluorene	5.54	166	187794	12419.4831111 ppb		97
65)	4-Chlorophenyl-phenylether	5.54	204	89881	12534.4406110 ppb		97
66)	Diethyl phthalate	5.44	149	207946	14916.3353156 ppb		98
67)	4-Nitroaniline	5.56	138	47757	15011.1008426 ppb	#	75
68)	Azobenzene	5.66	77	227686	16373.0943574 ppb		92
69)	Atrazine	6.03	200	59745	15902.0754565 ppb		96
71)	4,6-Dinitro-2-methylphenol	5.58	198	23461	9540.8630288 ppb		85
72)	N-Nitrosodiphenylamine	5.62	169	163920	11831.9177212 ppb		99
74)	4-Bromophenyl-phenylether	5.91	248	57785	12851.7138261 ppb		97
75)	Hexachlorobenzene	5.96	284	62398	12472.1371875 ppb		94
76)	n-octadecane	6.15	55	37961	13608.2747276 ppb		97
77)	Pentachlorophenol	6.12	266	32350	11713.3986597 ppb		98
78)	Phenanthrene	6.29	178	298477	12442.9209145 ppb		99
79)	Anthracene	6.32	178	305528	12583.2764951 ppb		99
80)	Carbazole	6.45	167	269237	12153.3494767 ppb		98
81)	Di-n-butyl phthalate	6.72	149	374267	14431.0460067 ppb		99
82)	2-nitrodiphenylamine	6.85	167	78582	17089.9876728 ppb	#	100
83)	Fluoranthene	7.27	202	320395	12572.7823552 ppb		99
85)	Benzidine	7.40	184	102947	10536.2322901 ppb		99
86)	Pyrene	7.50	202	339098	12760.7243165 ppb		99
88)	Benzylbutyl phthalate	8.23	149	161782	14889.0097817 ppb		94
89)	3,3-Dichlorobenzidine	8.98	252	208835	24561.7134229 ppb		99
90)	Benzo(a)anthracene	9.00	228	310442	13054.2518345 ppb		96
91)	Chrysene	9.06	228	304863	13228.4084672 ppb		97
92)	bis(2-Ethylhexyl)phthalate	9.09	149	235130	15710.0753273 ppb		95
93)	Di-n-octyl phthalate	10.29	149	361714	14547.8745200 ppb		100
95)	Benzo(b)fluoranthene	10.91	252	307311	11857.1707764 ppb		95
96)	Benzo(k)fluoranthene	10.96	252	306474	12004.9597919 ppb		95
97)	Benzo(a)pyrene	11.56	252	291614	12990.9194535 ppb		95
98)	Indeno(1,2,3-cd)pyrene	13.69	276	274632	12452.4315327 ppb		96
99)	Dibenz(a,h)anthracene	13.73	278	284203	12091.2391243 ppb		93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 05.D Vial: 10
Acq On : 12 May 2022 6:09 am Operator: 3545
Sample : LCS 1x WG1860981 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 17:27 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

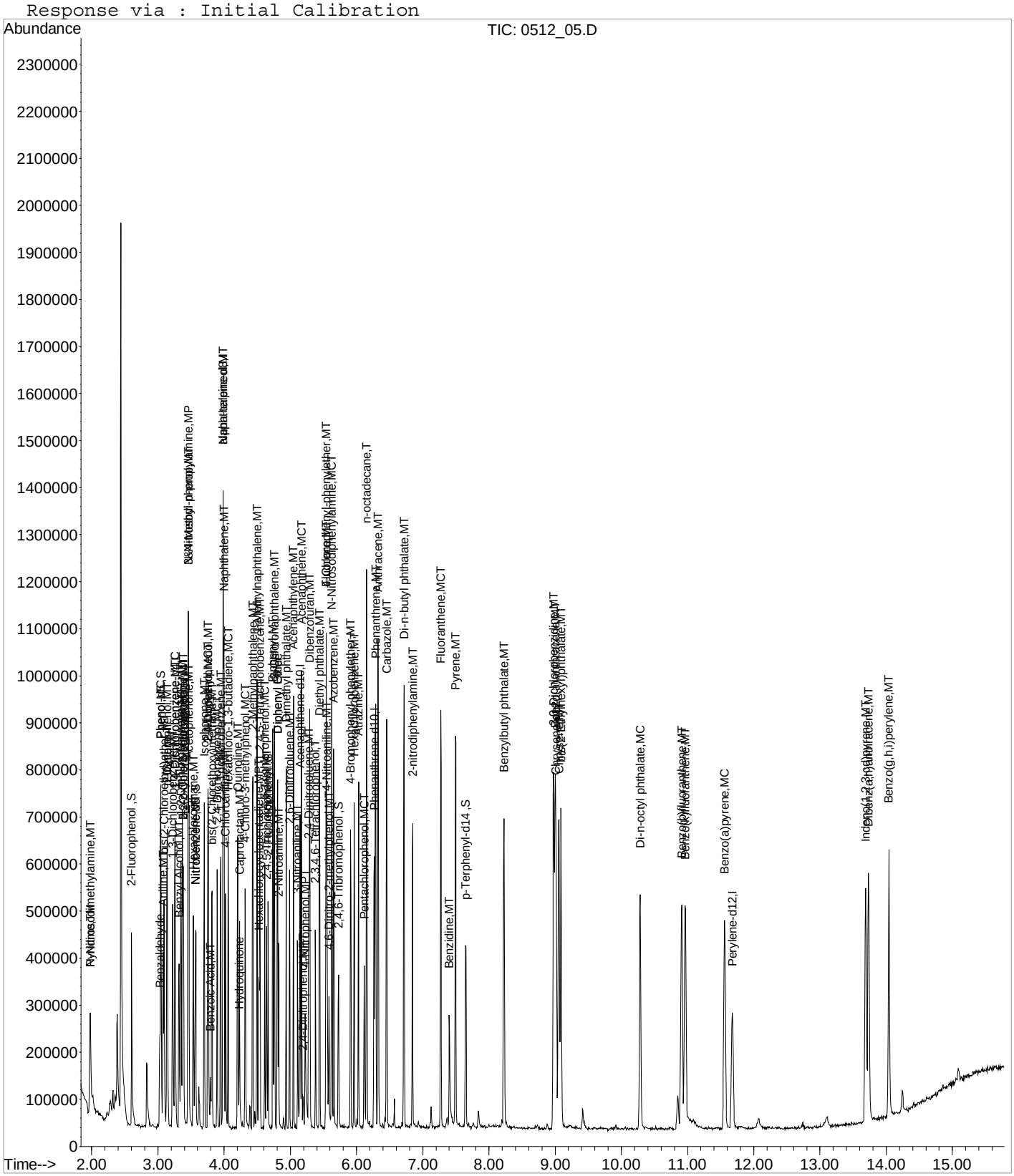
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
100)	Benzo(g,h,i)perylene	14.04	276	298859	13019.3374208	ppb	98

(#) = qualifier out of range (m) = manual integration
0512_05.D S804E04BV.M Thu May 12 17:28:33 2022 Page 3

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 05.D Vial: 10
Acq On : 12 May 2022 6:09 am Operator: 3545
Sample : LCS 1x WG1860981 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 17:27 2022 Quant Results File: S804E04BV.RES

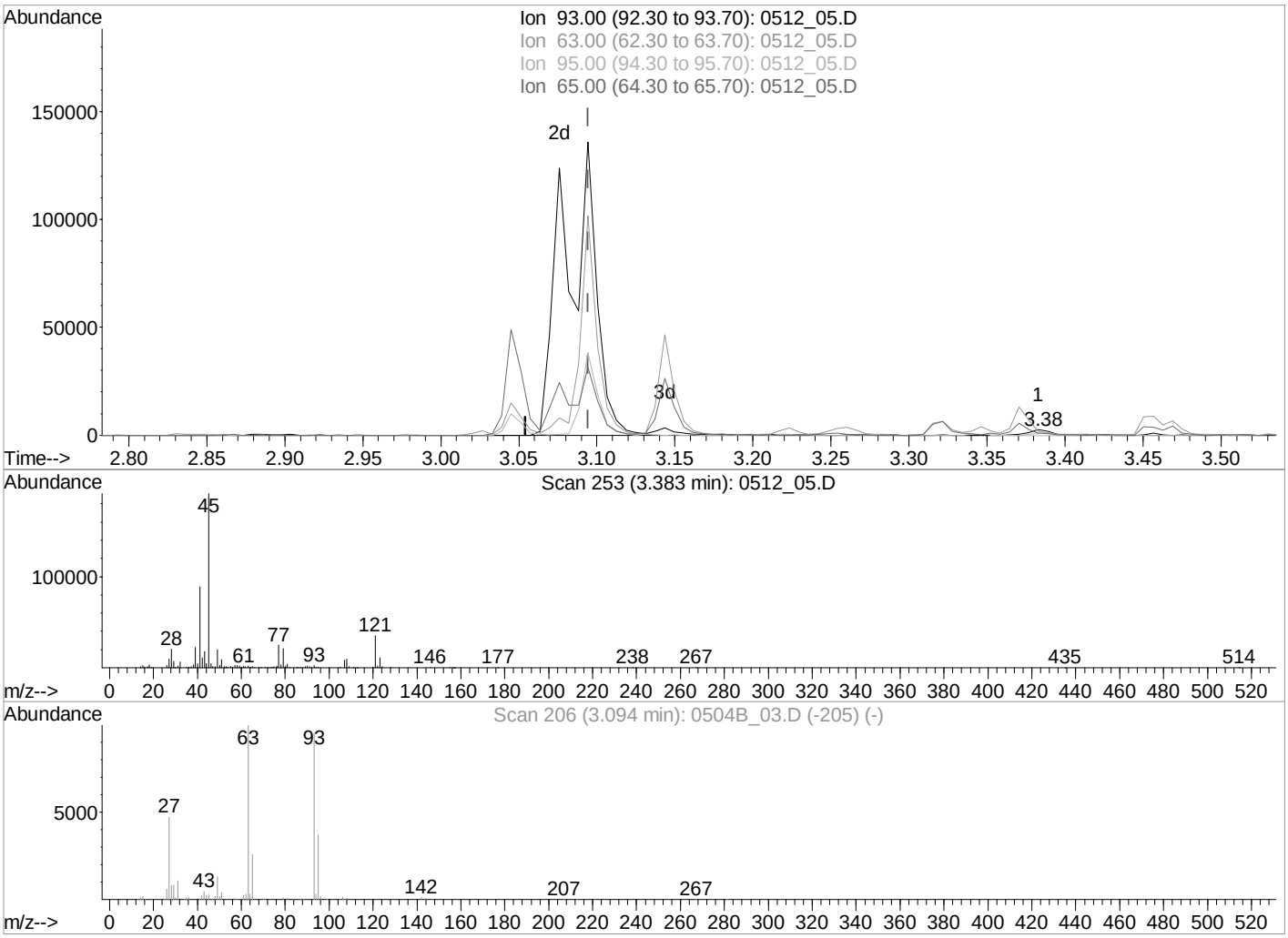
Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 05.D Vial: 10
Acq On : 12 May 2022 6:09 am Operator: 3545
Sample : LCS 1x WG1860981 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 8:38 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0512_05.D

(6) bis(2-Chloroethyl)ether (MT)

3.38min (+0.289) 374.1295967 ppb

Qvalue = 86

response 2456

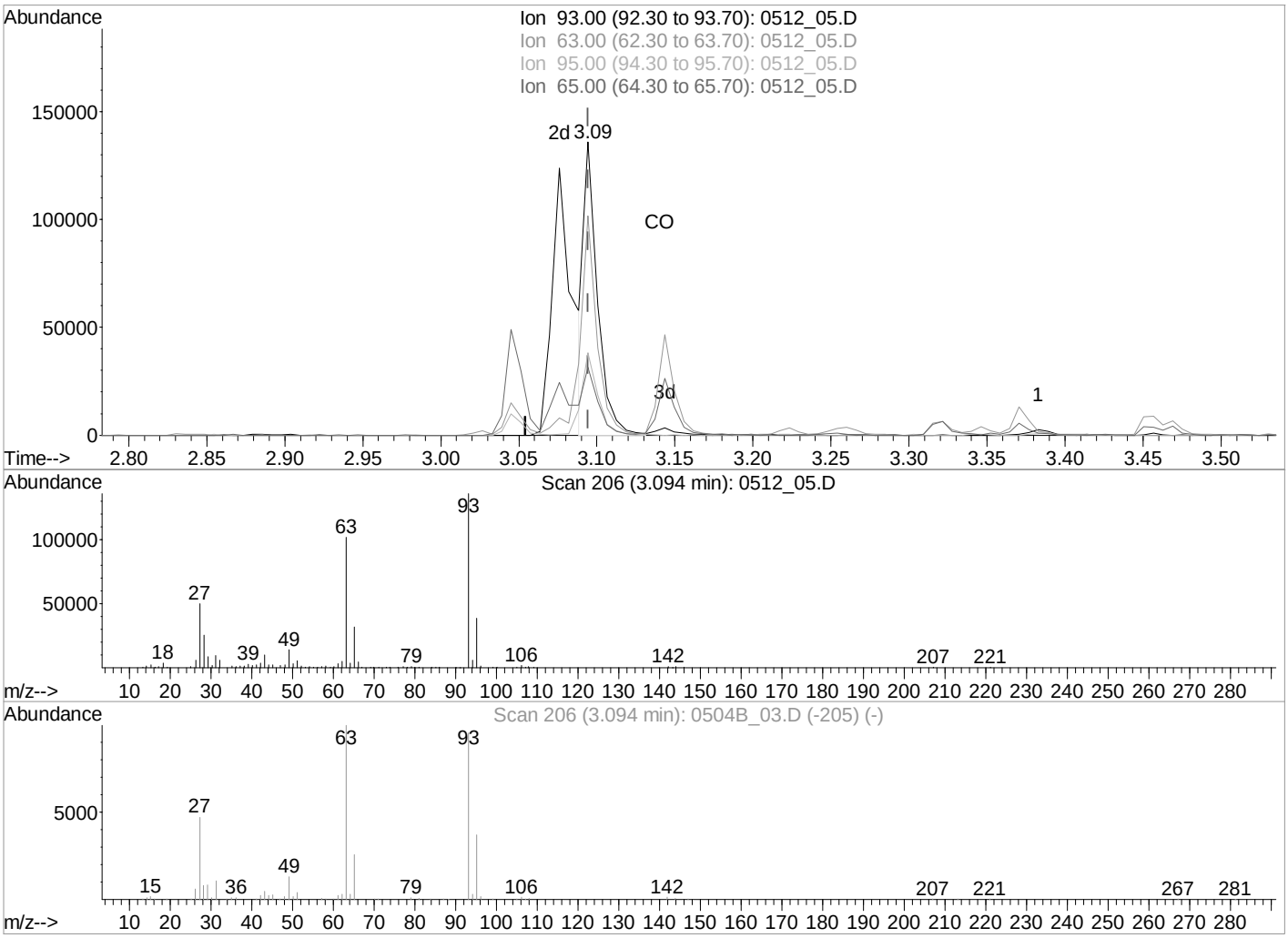
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	59.60
95.00	30.20	26.17
65.00	24.00	25.60

0512_05.D S804E04BV.M Thu May 12 17:26:53 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 05.D Vial: 10
Acq On : 12 May 2022 6:09 am Operator: 3545
Sample : LCS 1x WG1860981 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 17:26 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0512_05.D

(6) bis(2-Chloroethyl)ether (MT)

3.09min (+0.000) 12621.3899033 ppb m

response 82854

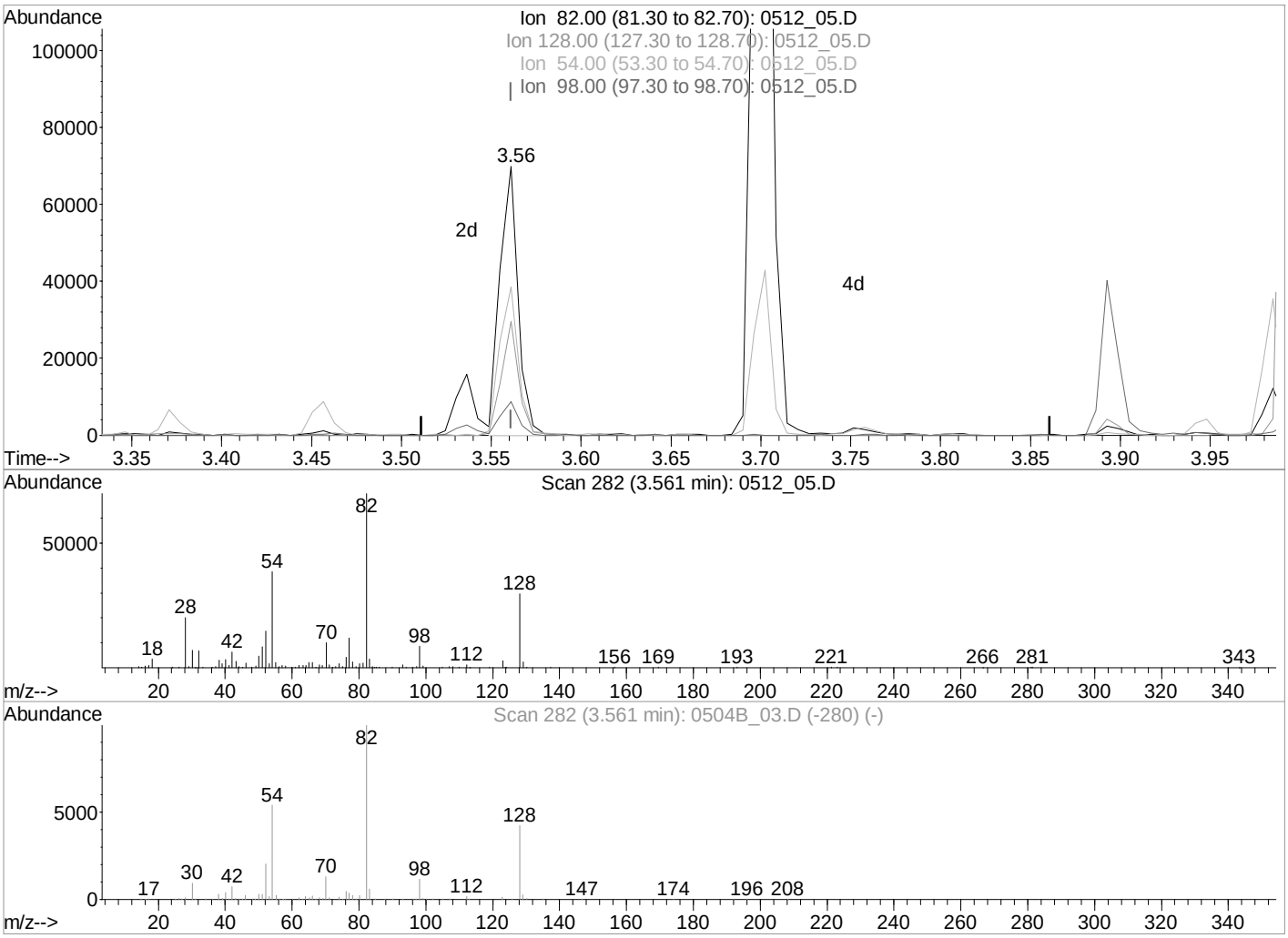
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	74.76
95.00	30.20	28.19
65.00	24.00	23.23

0512_05.D S804E04BV.M Thu May 12 17:27:00 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 05.D Vial: 10
Acq On : 12 May 2022 6:09 am Operator: 3545
Sample : LCS 1x WG1860981 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 17:26 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0512_05.D

(24) Nitrobenzene-d5 (S)

3.56min (+0.000) 5441.8933457 ppb

Qvalue = 94

response 49280

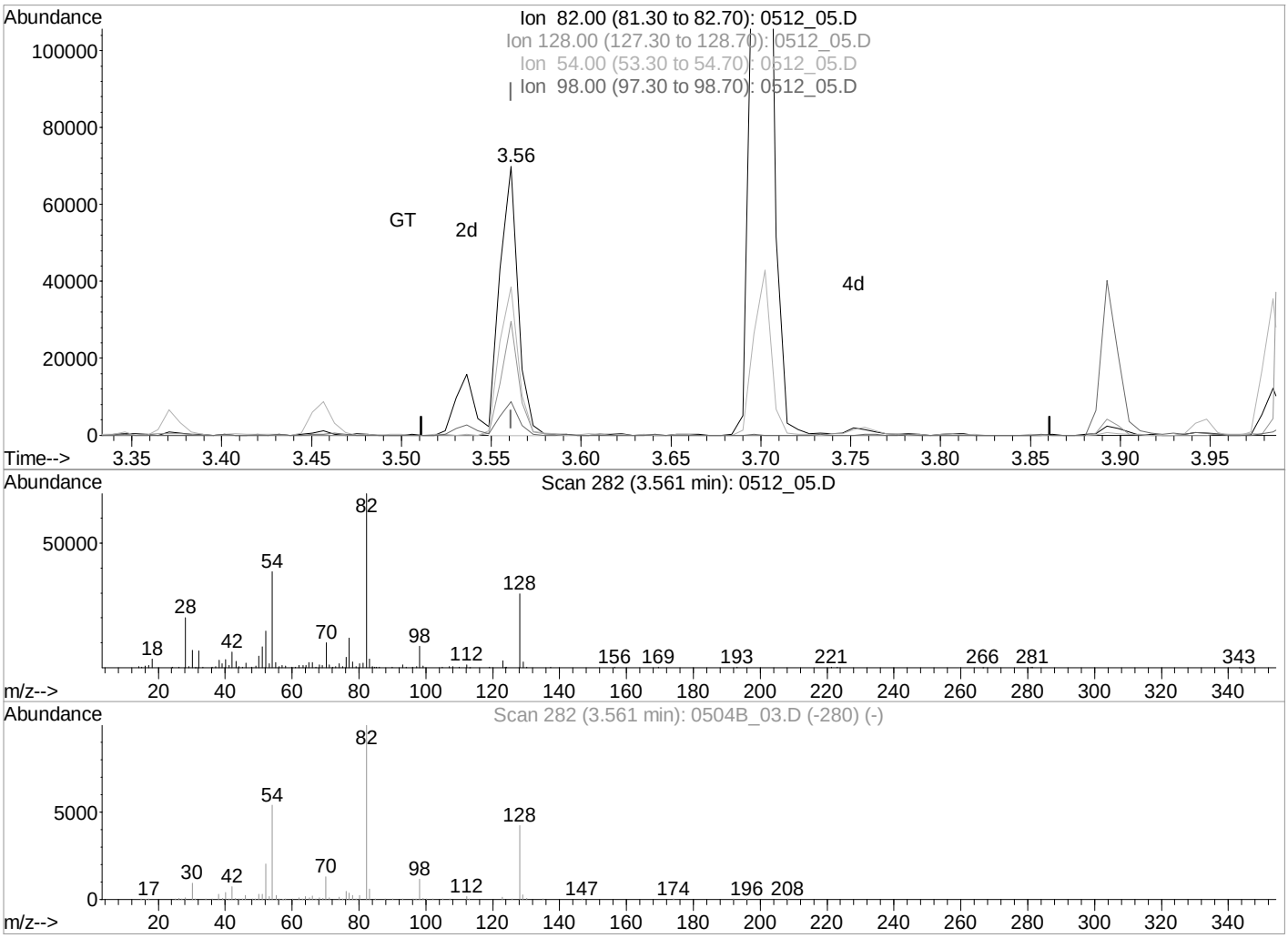
Ion	Exp%	Act%
82.00	100	100
128.00	49.30	42.09
54.00	56.90	54.93
98.00	11.80	12.47

0512_05.D S804E04BV.M Thu May 12 17:27:09 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 05.D Vial: 10
Acq On : 12 May 2022 6:09 am Operator: 3545
Sample : LCS 1x WG1860981 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 17:27 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0512_05.D

(24) Nitrobenzene-d5 (S)

3.56min (+0.000) 5440.8994934 ppb m

response 49271

Ion	Exp%	Act%
82.00	100	100
128.00	49.30	42.30
54.00	56.90	55.15
98.00	11.80	12.47

0512_05.D S804E04BV.M Thu May 12 17:27:13 2022

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3791358-3	**SDG:**	L1488161
Client Sample ID:	MS	**Collected Date/Time:**	04/27/22 11:05
Lab File ID:	0512_34	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	BNAMS4	**Preparation Date/Time:**	05/11/22 03:08
Analytical Batch:	WG1860981	**Analysis Date/Time:**	05/12/22 16:14
Dilution Factor:	5	**Prep Method:**	3546
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	15.65 g
Total Solids (%):	77.0	**Final Wt/Vol:**	0.5 mL

Analyte	CAS	RT	Result (dry)	Qualifier	MDL (dry)	RDL (dry)
			mg/kg		*mg/kg*	*mg/kg*
Acenaphthene	83-32-9	5.16	0.392		0.0350	0.217
Acenaphthylene	208-96-8	5.05	0.406		0.0305	0.217
Anthracene	120-12-7	6.32	0.448		0.0385	0.217
Benzoic Acid	65-85-0	3.79	1.24		0.766	10.8
Benzo(a)anthracene	56-55-3	8.99	0.448		0.0382	0.217
Benzo(b)fluoranthene	205-99-2	10.90	0.446		0.0404	0.217
Benzo(k)fluoranthene	207-08-9	10.96	0.472		0.0384	0.217
Benzo(g,h,i)perylene	191-24-2	14.03	0.428		0.0396	0.217
Benzo(a)pyrene	50-32-8	11.55	0.497		0.0402	0.217
Carbazole	86-74-8	6.45	0.449		0.0668	2.17
Chrysene	218-01-9	9.05	0.441		0.0430	0.217
Dibenz(a,h)anthracene	53-70-3	13.73	0.465		0.0600	0.217
Dibenzofuran	132-64-9	5.29	0.393		0.0707	2.17
Fluoranthene	206-44-0	7.27	0.458		0.0391	0.217
Fluorene	86-73-7	5.54	0.397		0.0352	0.217
Indeno(1,2,3-cd)pyrene	193-39-5	13.68	0.456		0.0611	0.217
1-Methylnaphthalene	90-12-0	4.49	0.374		0.0276	0.217
2-Methylnaphthalene	91-57-6	4.43	0.352		0.0280	0.217
Naphthalene	91-20-3	4	0.356		0.0543	0.217
Phenanthrene	85-01-8	6.28	0.457		0.0430	0.217
Bis(2-ethylhexyl)phthalate	117-81-7	9.08	0.546		0.274	2.17
Di-n-butyl phthalate	84-74-2	6.71	0.549		0.0740	2.17
Di-n-octyl phthalate	117-84-0	10.27	0.515		0.147	2.17
Pyrene	129-00-0	7.49	0.404		0.0421	0.217
3&4-Methyl Phenol	3&4-Methyl Phenol	3.46	0.478		0.0675	2.17
Pentachlorophenol	87-86-5	6.12	0.494		0.0581	2.17
Phenol	108-95-2	3.05	0.383		0.0870	2.17

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 34.D Vial: 39
Acq On : 12 May 2022 4:14 pm Operator: 3545
Sample : MS 5x WG1860981 L1488161-03 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 14:28 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	48344	8000.00	ppb	0.00
23) Naphthalene-d8	3.98	136	194202	8000.00	ppb	0.00
46) Acenaphthene-d10	5.14	164	97916	8000.00	ppb	0.00
70) Phenanthrene-d10	6.26	188	182794	8000.00	ppb	0.00
84) Chrysene-d12	9.01	240	183271	8000.00	ppb	0.00
94) Perylene-d12	11.66	264	181801	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.60	112	14404	1833.5514113	ppb	0.01
Spiked Amount 20000.000	Range 20 - 120		Recovery = 9.17%#			
7) Phenol-d5	3.04	99	17025	1805.6633460	ppb	0.00
Spiked Amount 20000.000	Range 20 - 120		Recovery = 9.03%#			
24) Nitrobenzene-d5	3.56	82	7691	933.3697682	ppb	0.00
Spiked Amount 10000.000	Range 18 - 125		Recovery = 9.33%#			
50) 2-Fluorobiphenyl	4.66	172	14029	849.3296602	ppb	0.00
Spiked Amount 10000.000	Range 28 - 120		Recovery = 8.49%#			
73) 2,4,6-Tribromophenol	5.72	330	4965	2399.4223408	ppb	0.00
Spiked Amount 20000.000	Range 17 - 137		Recovery = 12.00%#			
87) p-Terphenyl-d14	7.65	244	25342	1011.8149824	ppb	0.00
Spiked Amount 10000.000	Range 13 - 131		Recovery = 10.12%#			
Target Compounds						Qvalue
2) Pyridine	2.01	79	14835	1983.2263412	ppb	# 76
3) N-Nitrosodimethylamine	1.99	42	11856	2953.0399380	ppb	# 66
5) Aniline	3.08	66	7666	1713.8710254	ppb	# 89
6) bis(2-Chloroethyl)ether	3.09	93	14669m	2111.2963795	ppb	
8) Phenol	3.05	94	18384m	1851.0346469	ppb	
9) Benzaldehyde	3.03	105	12422	5777.0731403	ppb	# 89
10) 2-Chlorophenol	3.14	128	14814	1862.9270761	ppb	89
12) 1,3-Dichlorobenzene	3.22	146	14301	1590.5584975	ppb	87
13) 1,4-Dichlorobenzene	3.26	146	15106	1632.3096367	ppb	# 83
14) Benzyl Alcohol	3.33	79	5396	877.3545488	ppb	96
15) 1,2-Dichlorobenzene	3.35	146	13723	1613.1395110	ppb	91
16) bis(2-Chloroisopropyl)ethe	3.38	121	4990	1714.1627887	ppb	# 46
17) 2,2-oxybis(1-chloropropane	3.38	121	4990	1714.1627887	ppb	# 46
18) 2-Methylphenol	3.37	108	18147	2525.4717412	ppb	82
19) Hexachloroethane	3.54	117	4549	1354.1334234	ppb	# 82
20) N-Nitrosodi-n-propylamine	3.46	70	11750	2237.6111319	ppb	95
21) 3&4-Methyl phenol	3.46	107	18837	2307.8981789	ppb	89
22) Acetophenone	3.47	105	20013	2001.7758259	ppb	# 62
25) Nitrobenzene	3.57	77	16410	2036.7740988	ppb	89
26) Isophorone	3.70	82	30440	2106.1456143	ppb	94
27) 2-Nitrophenol	3.75	139	7132	1756.2776824	ppb	# 77
28) 2,4-Dimethylphenol	3.76	107	13985	1854.3346367	ppb	97
29) bis(2-Chlorethoxy)methane	3.81	93	18194	1968.8233248	ppb	89
30) 2,4-Dichlorophenol	3.89	162	11421	1797.6225293	ppb	# 86
31) Benzoic Acid	3.79	105	19052	5996.1013688	ppb	79
32) 1,2,4-Trichlorobenzene	3.94	180	12556	1765.5165913	ppb	95
33) alpha-terpineol	3.98	59	14369	2358.6457402	ppb	97
34) Naphthalene	4.00	128	42435	1715.9088320	ppb	97
35) 4-Chloroaniline	4.02	65	4732	1646.7954638	ppb	# 49
36) Hexachloro-1,3-butadiene	4.06	225	7212	1858.9049957	ppb	91
37) Hydroquinone	4.24	110	3751m	370.4819123	ppb	
38) Quinoline	4.21	129	27024	2088.2591300	ppb	94
39) Caprolactam	4.22	113	4697	3510.0775413	ppb	# 80

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 34.D Vial: 39
Acq On : 12 May 2022 4:14 pm Operator: 3545
Sample : MS 5x WG1860981 L1488161-03 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 14:28 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

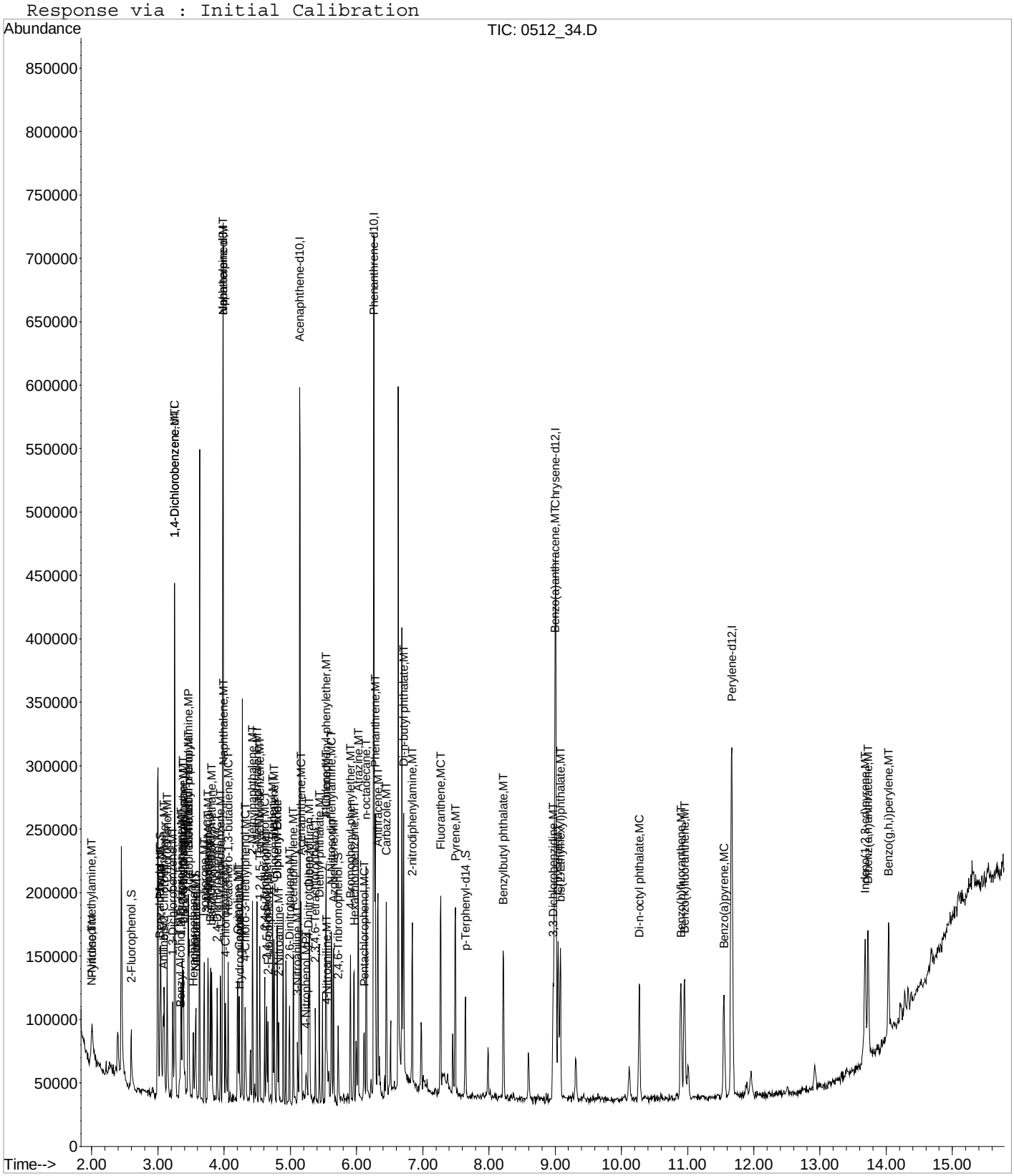
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
40)	4-Chloro-3-methylphenol	4.32	107	13616	2126.0412470	ppb		85
41)	2-Methylnaphthalene	4.43	142	27346	1696.9754794	ppb	#	91
42)	1-Methylnaphthalene	4.49	142	27327	1804.5002138	ppb		97
43)	1,2,4,5-Tetrachlorobenzene	4.54	216	11429	2198.6988663	ppb		92
44)	Diphenyl Ether	4.80	170	17660	2129.7732067	ug/ml	#	81
45)	Diphenyl Oxide	4.80	170	17660	2129.7732067	ug/ml	#	81
48)	2,4,6-Trichlorophenol	4.61	196	8582	2020.7692708	ppb	#	90
49)	2,4,5-Trichlorophenol	4.64	196	9180	2077.0143993	ppb		94
51)	Biphenyl	4.73	154	34325	1871.4014221	ppb		97
52)	2-Chloronaphthalene	4.75	162	25014	1786.9700886	ppb		92
53)	2-Nitroaniline	4.82	138	9260	2134.0880464	ppb	#	68
54)	Acenaphthylene	5.05	152	42722	1961.8258443	ppb		96
56)	2,6-Dinitrotoluene	4.99	165	6313	1877.5435822	ppb	#	70
57)	3-Nitroaniline	5.11	138	6256	1728.0985007	ppb		96
58)	Acenaphthene	5.16	153	27104	1892.0059151	ppb		94
60)	Dibenzofuran	5.29	168	37704	1897.8151749	ppb	#	86
61)	2,4-Dinitrotoluene	5.27	165	9267	2200.8335542	ppb	#	62
62)	2,3,4,6-Tetrachlorophenol	5.38	232	6411	2295.9952258	ppb		98
63)	4-Nitrophenol	5.24	139	5224	1747.0104918	ppb		92
64)	Fluorene	5.54	166	30878	1916.0636550	ppb		96
65)	4-Chlorophenyl-phenylether	5.53	204	15844	2073.1983591	ppb		89
66)	Diethyl phthalate	5.44	149	34541	2324.7991328	ppb		98
67)	4-Nitroaniline	5.56	138	7709	2273.5918935	ppb	#	84
68)	Azobenzene	5.66	77	37303	2516.9648980	ppb		91
69)	Atrazine	6.02	200	11069	2764.3917823	ppb		99
72)	N-Nitrosodiphenylamine	5.62	169	28168	2027.8790804	ppb		97
74)	4-Bromophenyl-phenylether	5.91	248	9913	2198.9425468	ppb		88
75)	Hexachlorobenzene	5.96	284	10441	2081.4939490	ppb		97
76)	n-octadecane	6.15	55	8764	3133.5067910	ppb	#	87
77)	Pentachlorophenol	6.12	266	6618	2390.0019199	ppb		94
78)	Phenanthrene	6.28	178	53036	2205.1852518	ppb		97
79)	Anthracene	6.32	178	52581	2159.9038135	ppb		96
80)	Carbazole	6.45	167	48202	2170.1469839	ppb		97
81)	Di-n-butyl phthalate	6.71	149	68927	2650.7483467	ppb		99
82)	2-nitrodiphenylamine	6.84	167	14449	3134.1466240	ppb	#	100
83)	Fluoranthene	7.27	202	56615	2215.8483107	ppb		97
86)	Pyrene	7.49	202	57451	1948.2190169	ppb		95
88)	Benzylbutyl phthalate	8.22	149	28340	2350.3121679	ppb		96
89)	3,3-Dichlorobenzidine	8.97	252	26830	2843.5844704	ppb		96
90)	Benzo(a)anthracene	8.99	228	57167	2166.2421589	ppb		97
91)	Chrysene	9.05	228	54519	2131.7724573	ppb		94
92)	bis(2-Ethylhexyl)phthalate	9.08	149	43835	2639.2548135	ppb		92
93)	Di-n-octyl phthalate	10.27	149	68759	2492.0334526	ppb		97
95)	Benzo(b)fluoranthene	10.90	252	55782	2153.8696908	ppb		93
96)	Benzo(k)fluoranthene	10.96	252	58232	2282.7121688	ppb		92
97)	Benzo(a)pyrene	11.55	252	53853	2400.8431948	ppb		93
98)	Indeno(1,2,3-cd)pyrene	13.68	276	48522	2201.7301562	ppb		93
99)	Dibenz(a,h)anthracene	13.73	278	52717	2244.4772836	ppb		92
100)	Benzo(g,h,i)perylene	14.03	276	47479	2069.8862592	ppb		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 34.D Vial: 39
Acq On : 12 May 2022 4:14 pm Operator: 3545
Sample : MS 5x WG1860981 L1488161-03 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 14:28 2022 Quant Results File: S804E04BV.RES

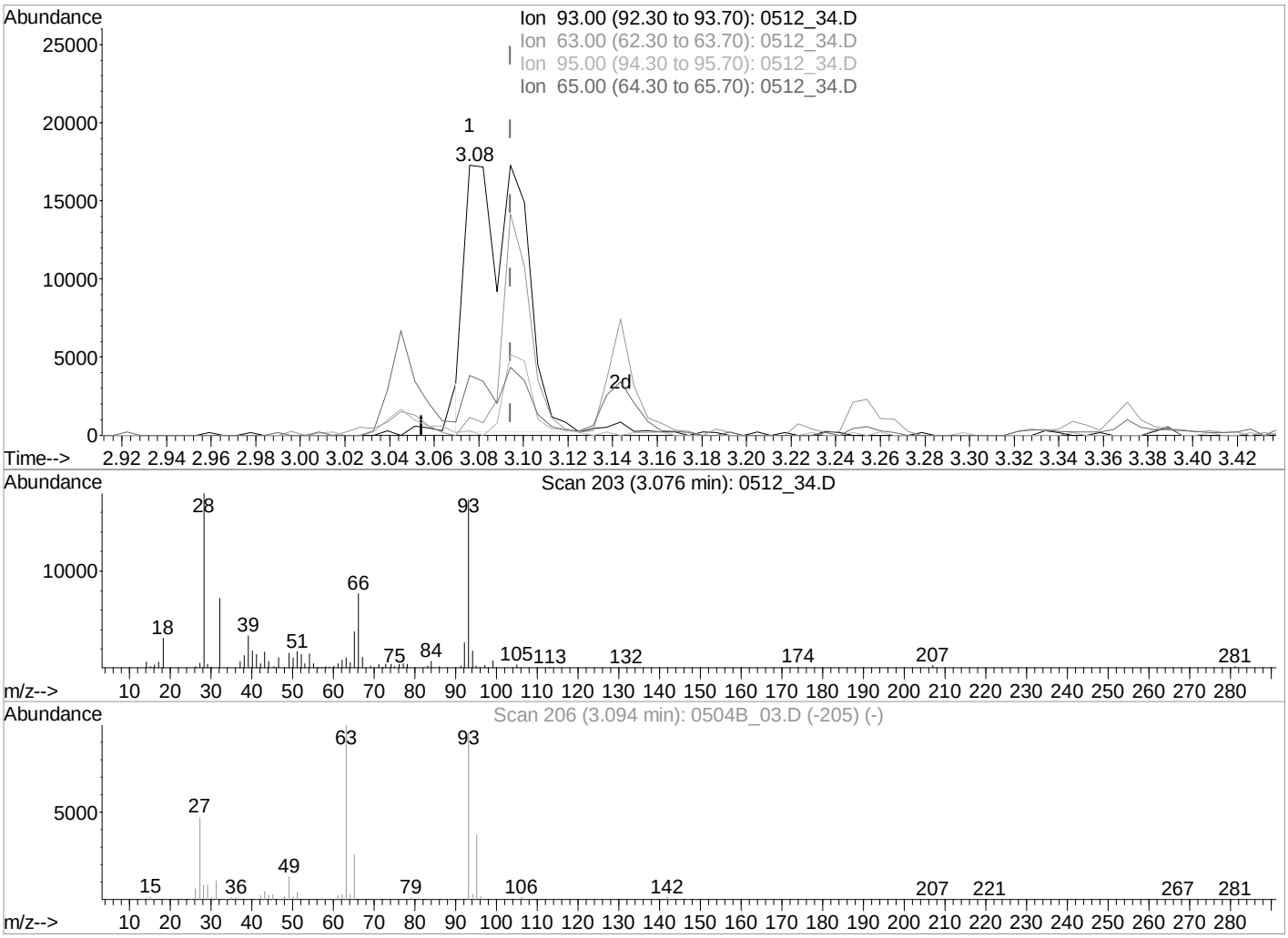
Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 34.D Vial: 39
Acq On : 12 May 2022 4:14 pm Operator: 3545
Sample : MS 5x WG1860981 L1488161-03 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 9:42 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0512_34.D

(6) bis(2-Chloroethyl)ether (MT)

3.08min (-0.018) 4284.6262131 ppb

Qvalue = 39

response 29769

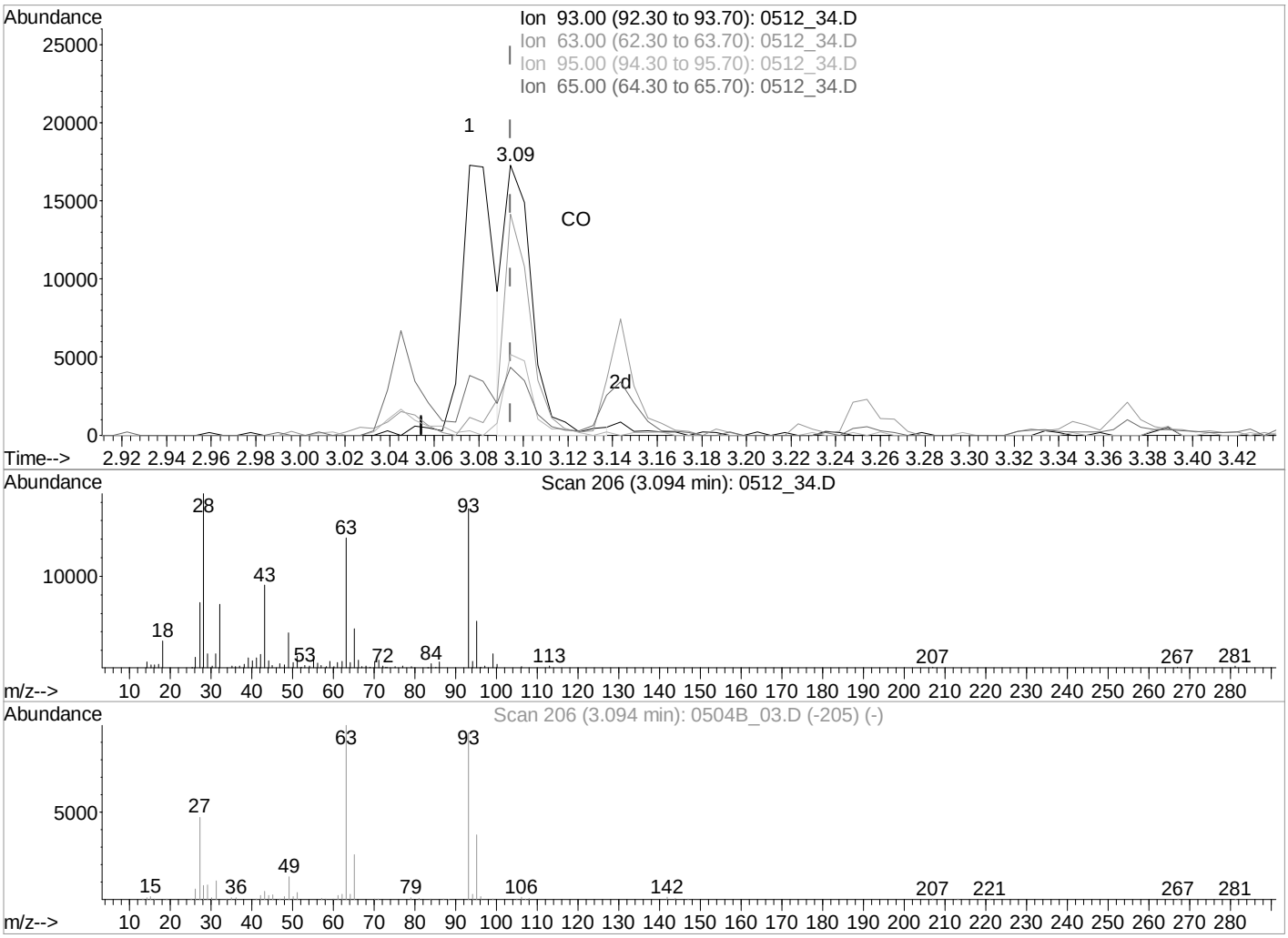
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	6.56#
95.00	30.20	0.65#
65.00	24.00	20.68

0512_34.D S804E04BV.M Fri May 13 14:27:22 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 34.D Vial: 39
Acq On : 12 May 2022 4:14 pm Operator: 3545
Sample : MS 5x WG1860981 L1488161-03 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 14:27 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0512_34.D

(6) bis(2-Chloroethyl)ether (MT)

3.09min (+0.000) 2111.2963795 ppb m

response 14669

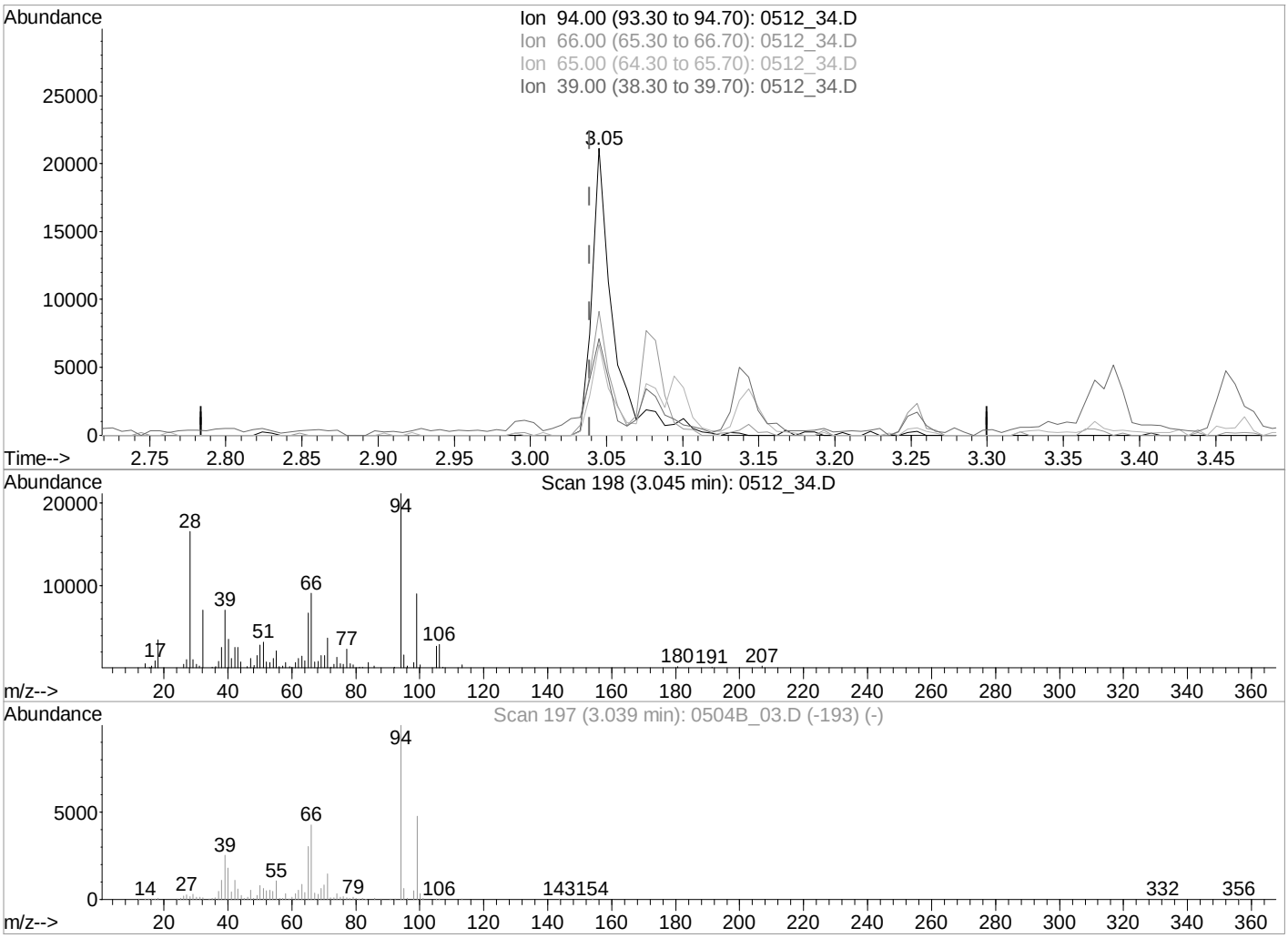
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	81.91
95.00	30.20	29.86
65.00	24.00	25.20

0512_34.D S804E04BV.M Fri May 13 14:27:26 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 34.D Vial: 39
Acq On : 12 May 2022 4:14 pm Operator: 3545
Sample : MS 5x WG1860981 L1488161-03 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 14:27 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0512_34.D

(8) Phenol (MC)

3.05min (+0.006) 2119.3662034 ppb

Qvalue = 86

response 21049

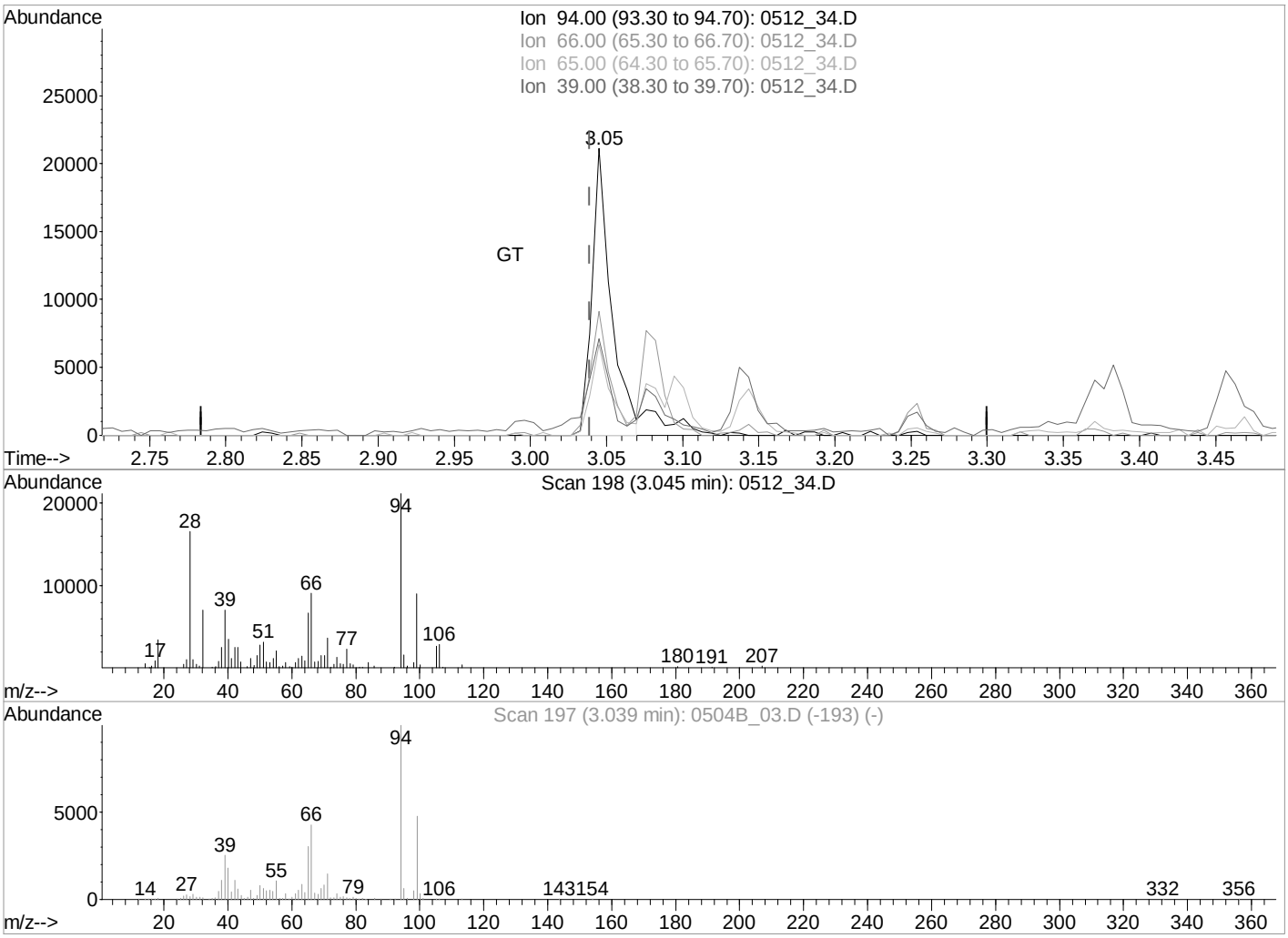
Ion	Exp%	Act%
94.00	100	100
66.00	34.70	43.22
65.00	27.70	31.65
39.00	22.50	31.65

0512_34.D S804E04BV.M Fri May 13 14:27:29 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 34.D Vial: 39
Acq On : 12 May 2022 4:14 pm Operator: 3545
Sample : MS 5x WG1860981 L1488161-03 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 14:27 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0512_34.D

(8) Phenol (MC)

3.05min (+0.006) 1851.0346469 ppb m

response 18384

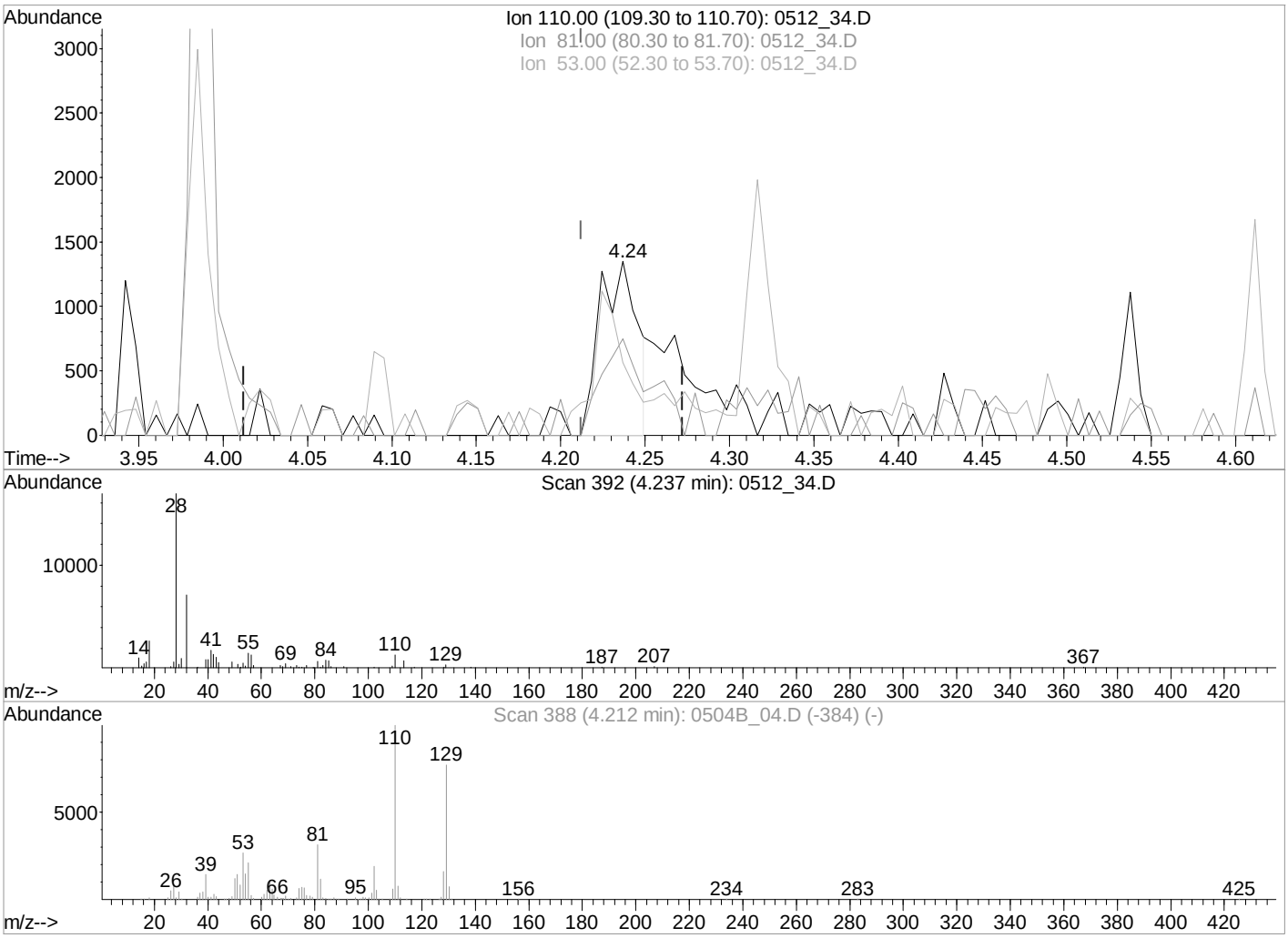
Ion	Exp%	Act%
94.00	100	100
66.00	34.70	43.22
65.00	27.70	31.65
39.00	22.50	33.58

0512_34.D S804E04BV.M Fri May 13 14:27:33 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 34.D Vial: 39
Acq On : 12 May 2022 4:14 pm Operator: 3545
Sample : MS 5x WG1860981 L1488161-03 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 14:27 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Single Level Calibration



TIC: 0512_34.D

(37) Hydroquinone

4.24min (+0.025) -39.9834553 ppb

Qvalue = 72

response 2107

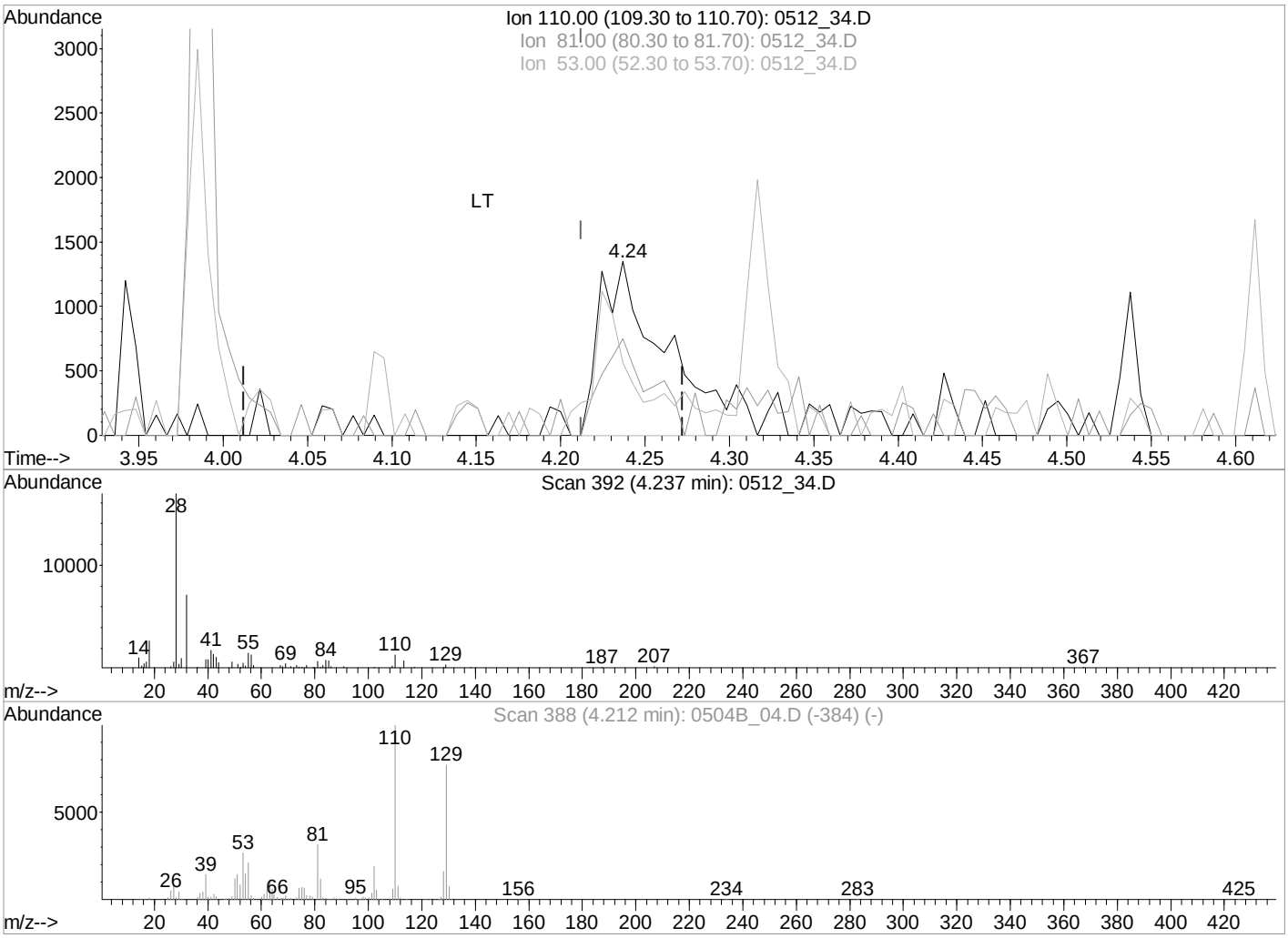
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	55.41#
53.00	25.90	23.19
0.00	0.00	0.00

0512_34.D S804E04BV.M Fri May 13 14:28:24 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 34.D Vial: 39
Acq On : 12 May 2022 4:14 pm Operator: 3545
Sample : MS 5x WG1860981 L1488161-03 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 14:28 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Single Level Calibration



TIC: 0512_34.D

(37) Hydroquinone

4.24min (+0.025) 370.4819123 ppb m

response 3751

Ion	Exp%	Act%
110.00	100	100
81.00	29.80	55.41#
53.00	25.90	41.78
0.00	0.00	0.00

0512_34.D S804E04BV.M Fri May 13 14:28:28 2022

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
R3791358-4

Lab Sample ID:	R3791358-4	**SDG:**	L1488161
Client Sample ID:	MSD	**Collected Date/Time:**	04/27/22 11:05
Lab File ID:	0512_35	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	BNAMS4	**Preparation Date/Time:**	05/11/22 03:08
Analytical Batch:	WG1860981	**Analysis Date/Time:**	05/12/22 16:35
Dilution Factor:	5	**Prep Method:**	3546
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	15.60 g
Total Solids (%):	77.0	**Final Wt/Vol:**	0.5 mL

Analyte	CAS	RT	Result (dry)	Qualifier	MDL (dry)	RDL (dry)
			mg/kg		*mg/kg*	*mg/kg*
Acenaphthene	83-32-9	5.16	0.337		0.0350	0.217
Acenaphthylene	208-96-8	5.05	0.335		0.0305	0.217
Anthracene	120-12-7	6.32	0.339		0.0385	0.217
Benzoic Acid	65-85-0	3.79	0.806	J3	0.766	10.8
Benzo(a)anthracene	56-55-3	8.99	0.353		0.0382	0.217
Benzo(b)fluoranthene	205-99-2	10.89	0.353		0.0404	0.217
Benzo(k)fluoranthene	207-08-9	10.95	0.352		0.0384	0.217
Benzo(g,h,i)perylene	191-24-2	14.03	0.345		0.0396	0.217
Benzo(a)pyrene	50-32-8	11.55	0.389		0.0402	0.217
Carbazole	86-74-8	6.45	0.322	J3	0.0668	2.17
Chrysene	218-01-9	9.05	0.347		0.0430	0.217
Dibenz(a,h)anthracene	53-70-3	13.73	0.349		0.0600	0.217
Dibenzofuran	132-64-9	5.29	0.328		0.0707	2.17
Fluoranthene	206-44-0	7.27	0.348		0.0391	0.217
Fluorene	86-73-7	5.54	0.339		0.0352	0.217
Indeno(1,2,3-cd)pyrene	193-39-5	13.68	0.336		0.0611	0.217
1-Methylnaphthalene	90-12-0	4.49	0.299		0.0276	0.217
2-Methylnaphthalene	91-57-6	4.43	0.288		0.0280	0.217
Naphthalene	91-20-3	4	0.295		0.0543	0.217
Phenanthrene	85-01-8	6.28	0.340		0.0430	0.217
Bis(2-ethylhexyl)phthalate	117-81-7	9.08	0.389	J3	0.274	2.17
Di-n-butyl phthalate	84-74-2	6.71	0.404	J3	0.0740	2.17
Di-n-octyl phthalate	117-84-0	10.27	0.382	J3	0.147	2.17
Pyrene	129-00-0	7.49	0.331		0.0421	0.217
3&4-Methyl Phenol	3&4-Methyl Phenol	3.46	0.345		0.0675	2.17
Pentachlorophenol	87-86-5	6.12	0.322	J3	0.0581	2.17
Phenol	108-95-2	3.05	0.322		0.0870	2.17

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 35.D Vial: 40
Acq On : 12 May 2022 4:35 pm Operator: 3545
Sample : MSD 5x WG1860981 L1488161-03 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 14:30 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	48980	8000.00	ppb		0.00
23) Naphthalene-d8	3.98	136	195552	8000.00	ppb		0.00
46) Acenaphthene-d10	5.14	164	98142	8000.00	ppb		0.00
70) Phenanthrene-d10	6.26	188	189840	8000.00	ppb		0.00
84) Chrysene-d12	9.00	240	186844	8000.00	ppb		0.00
94) Perylene-d12	11.67	264	182436	8000.00	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.60	112	11615	1459.3282631	ppb		0.01
Spiked Amount 20000.000	Range 20 - 120		Recovery = 7.30%#				
7) Phenol-d5	3.04	99	14429	1510.4616231	ppb		0.00
Spiked Amount 20000.000	Range 20 - 120		Recovery = 7.55%#				
24) Nitrobenzene-d5	3.56	82	5792	698.0570346	ppb		0.00
Spiked Amount 10000.000	Range 18 - 125		Recovery = 6.98%#				
50) 2-Fluorobiphenyl	4.66	172	11828	714.4299474	ppb		0.00
Spiked Amount 10000.000	Range 28 - 120		Recovery = 7.14%#				
73) 2,4,6-Tribromophenol	5.72	330	3595	1672.8636767	ppb		0.00
Spiked Amount 20000.000	Range 17 - 137		Recovery = 8.36%#				
87) p-Terphenyl-d14	7.65	244	19532	764.9297082	ppb		0.00
Spiked Amount 10000.000	Range 13 - 131		Recovery = 7.65%#				
Target Compounds							Qvalue
2) Pyridine	2.01	79	11094	1463.8503923	ppb		90
3) N-Nitrosodimethylamine	1.99	42	8388	2062.1172355	ppb	#	83
5) Aniline	3.08	66	5745	1267.7194550	ppb	#	24
6) bis(2-Chloroethyl)ether	3.09	93	12737m	1809.4210718	ppb		
8) Phenol	3.05	94	15574m	1547.7417838	ppb		
9) Benzaldehyde	3.03	105	8943	4105.0965145	ppb	#	85
10) 2-Chlorophenol	3.14	128	11537	1431.9907335	ppb		84
12) 1,3-Dichlorobenzene	3.22	146	12206	1339.9247392	ppb		88
13) 1,4-Dichlorobenzene	3.27	146	12168	1297.7650252	ppb		90
14) Benzyl Alcohol	3.33	79	3046	488.8289188	ppb	#	66
15) 1,2-Dichlorobenzene	3.35	146	12060	1399.2456761	ppb		91
16) bis(2-Chloroisopropyl)ethe	3.38	121	3686	1249.7715924	ppb	#	8
17) 2,2-oxybis(1-chloropropane	3.38	121	3686	1249.7715924	ppb	#	8
18) 2-Methylphenol	3.37	108	13240	1818.6513933	ppb		88
19) Hexachloroethane	3.54	117	3989	1172.0155063	ppb		90
20) N-Nitrosodi-n-propylamine	3.46	70	9004	1692.4117588	ppb		88
21) 3&4-Methyl phenol	3.46	107	13713	1658.2926780	ppb		90
22) Acetophenone	3.47	105	17009	1679.2131497	ppb	#	71
25) Nitrobenzene	3.57	77	13535	1668.3377574	ppb		87
26) Isophorone	3.70	82	23438	1610.4814692	ppb		100
27) 2-Nitrophenol	3.75	139	5787	1415.2291544	ppb	#	88
28) 2,4-Dimethylphenol	3.76	107	8081	1064.0993618	ppb	#	89
29) bis(2-Chlorethoxy)methane	3.81	93	14692	1578.8864997	ppb		93
30) 2,4-Dichlorophenol	3.89	162	9589	1498.8532904	ppb	#	86
31) Benzoic Acid	3.79	105	12377	3868.4342575	ppb		92
32) 1,2,4-Trichlorobenzene	3.94	180	10940	1527.6689593	ppb		94
33) alpha-terpineol	3.98	59	11978	1952.5938473	ppb		93
34) Naphthalene	4.00	128	35161	1411.9608578	ppb		97
35) 4-Chloroaniline	4.02	65	3837	1326.1057600	ppb	#	46
36) Hexachloro-1,3-butadiene	4.06	225	6732	1723.2052931	ppb		98
37) Hydroquinone	4.23	110	2417m	33.2496975	ppb		
38) Quinoline	4.21	129	22621	1735.9531191	ppb		96
39) Caprolactam	4.22	113	3616	2683.5890329	ppb	#	70

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 35.D Vial: 40
Acq On : 12 May 2022 4:35 pm Operator: 3545
Sample : MSD 5x WG1860981 L1488161-03 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 14:30 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

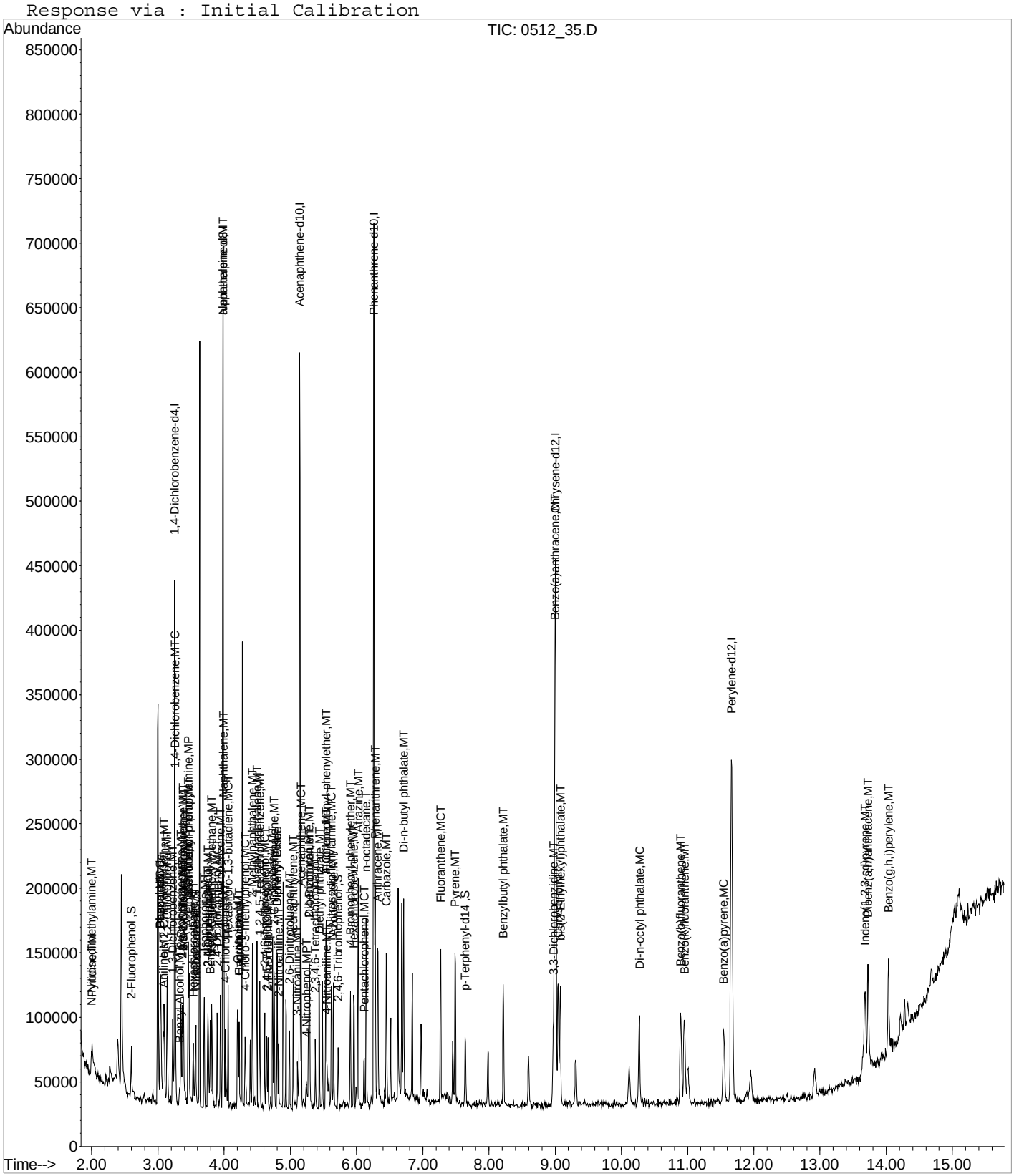
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
40)	4-Chloro-3-methylphenol	4.32	107	10248	1589.1053731	ppb		88
41)	2-Methylnaphthalene	4.43	142	22423	1381.8691157	ppb	#	92
42)	1-Methylnaphthalene	4.49	142	21844	1432.4800591	ppb	#	96
43)	1,2,4,5-Tetrachlorobenzene	4.54	216	10757	2055.1339068	ppb		97
44)	Diphenyl Ether	4.80	170	14323	1715.4105946	ug/ml	#	78
45)	Diphenyl Oxide	4.80	170	14323	1715.4105946	ug/ml	#	78
48)	2,4,6-Trichlorophenol	4.61	196	6310	1482.3690460	ppb	#	83
49)	2,4,5-Trichlorophenol	4.64	196	7371	1663.8799826	ppb		88
51)	Biphenyl	4.73	154	27268	1483.2298401	ppb		97
52)	2-Chloronaphthalene	4.75	162	21330	1520.2805966	ppb		93
53)	2-Nitroaniline	4.82	138	7074	1626.5415492	ppb	#	70
54)	Acenaphthylene	5.05	152	35028	1604.8076148	ppb		97
56)	2,6-Dinitrotoluene	4.99	165	5592	1659.2818389	ppb		83
57)	3-Nitroaniline	5.11	138	5023	1384.3110676	ppb	#	85
58)	Acenaphthene	5.16	153	23233	1618.0545282	ppb		91
60)	Dibenzofuran	5.29	168	31340	1573.8532669	ppb	#	84
61)	2,4-Dinitrotoluene	5.28	165	7812	1851.0111291	ppb		94
62)	2,3,4,6-Tetrachlorophenol	5.38	232	4939	1764.7491831	ppb		91
63)	4-Nitrophenol	5.24	139	3129	1043.9907907	ppb	#	75
64)	Fluorene	5.54	166	26233	1624.0802647	ppb		99
65)	4-Chlorophenyl-phenylether	5.53	204	12478	1628.9950461	ppb		92
66)	Diethyl phthalate	5.44	149	28494	1913.3865103	ppb		95
67)	4-Nitroaniline	5.56	138	6007	1767.5465410	ppb	#	73
68)	Azobenzene	5.66	77	29968	2017.3902530	ppb		92
69)	Atrazine	6.02	200	8322	2073.5651104	ppb		95
72)	N-Nitrosodiphenylamine	5.62	169	18669	1294.1401463	ppb		95
74)	4-Bromophenyl-phenylether	5.91	248	8135	1737.5629387	ppb		90
75)	Hexachlorobenzene	5.96	284	8766	1682.7079031	ppb		96
76)	n-octadecane	6.15	55	5530	1903.8275796	ppb	#	95
77)	Pentachlorophenol	6.12	266	4440	1543.9337765	ppb		90
78)	Phenanthrene	6.28	178	40754	1631.6190589	ppb		99
79)	Anthracene	6.32	178	41093	1625.3527456	ppb		98
80)	Carbazole	6.45	167	35698	1547.5410846	ppb		95
81)	Di-n-butyl phthalate	6.71	149	52335	1937.9633625	ppb		99
83)	Fluoranthene	7.27	202	44311	1669.9146607	ppb		94
86)	Pyrene	7.49	202	47721	1587.3193662	ppb		98
88)	Benzylbutyl phthalate	8.22	149	23390	1902.7008765	ppb		94
89)	3,3-Dichlorobenzidine	8.97	252	16529	1718.3302440	ppb		94
90)	Benzo(a)anthracene	8.99	228	45523	1692.0261463	ppb		95
91)	Chrysene	9.05	228	43353	1662.7490737	ppb		97
92)	bis(2-Ethylhexyl)phthalate	9.08	149	31644	1868.8148679	ppb		95
93)	Di-n-octyl phthalate	10.27	149	51443	1828.7957205	ppb		99
95)	Benzo(b)fluoranthene	10.89	252	44049	1694.9118781	ppb		97
96)	Benzo(k)fluoranthene	10.95	252	43207	1687.8322728	ppb		96
97)	Benzo(a)pyrene	11.55	252	42135	1871.8998906	ppb		94
98)	Indeno(1,2,3-cd)pyrene	13.68	276	35635	1611.3425915	ppb		89
99)	Dibenz(a,h)anthracene	13.73	278	39555	1678.2306238	ppb		94
100)	Benzo(g,h,i)perylene	14.03	276	38202	1659.6508957	ppb		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051222\0512 35.D Vial: 40
Acq On : 12 May 2022 4:35 pm Operator: 3545
Sample : MSD 5x WG1860981 L1488161-03 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 14:30 2022 Quant Results File: S804E04BV.RES

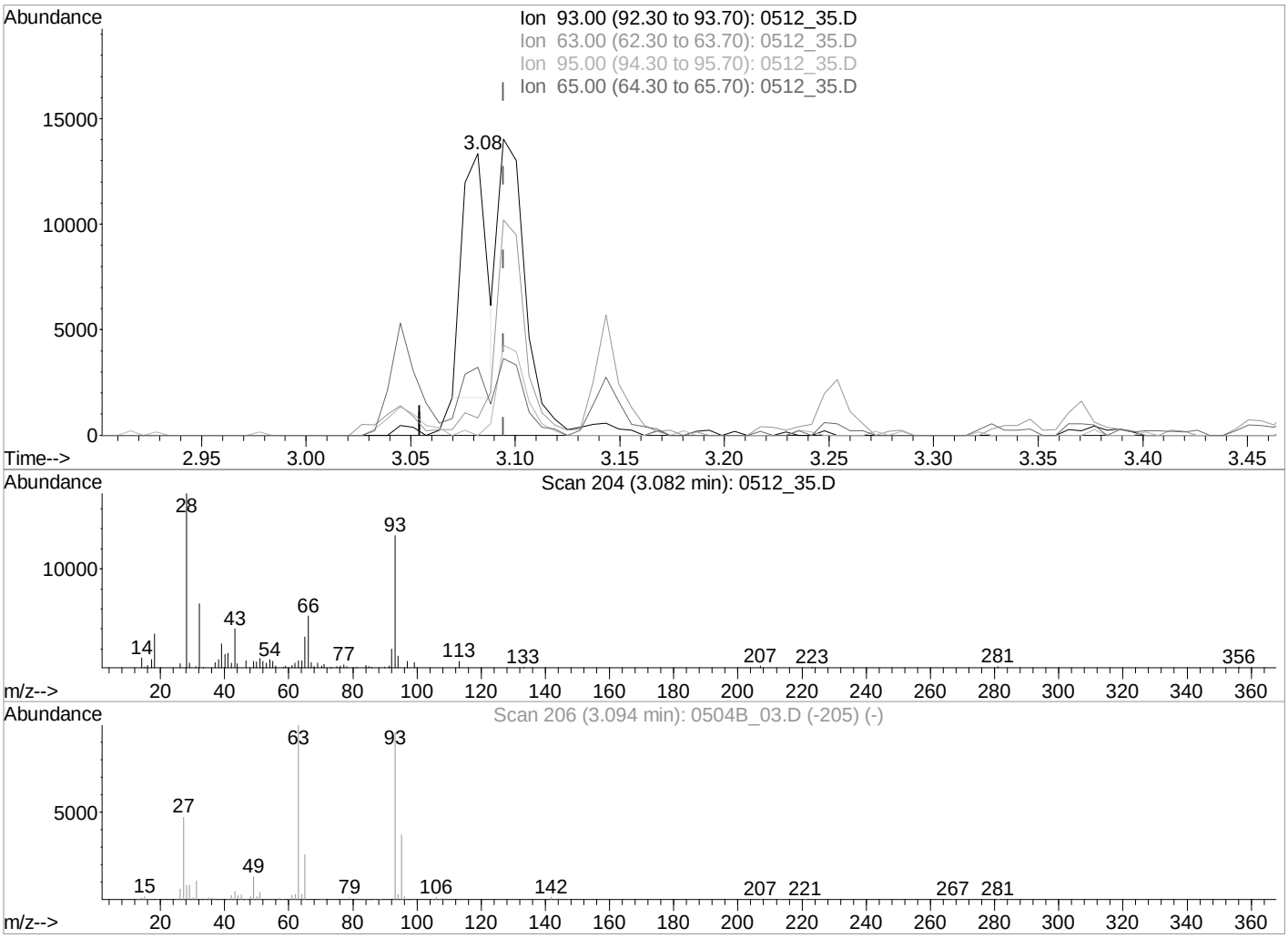
Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 35.D Vial: 40
Acq On : 12 May 2022 4:35 pm Operator: 3545
Sample : MSD 5x WG1860981 L1488161-03 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 9:42 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0512_35.D

(6) bis(2-Chloroethyl)ether (MT)

3.08min (-0.012) 1368.3240766 ppb

Qvalue = 38

response 9632

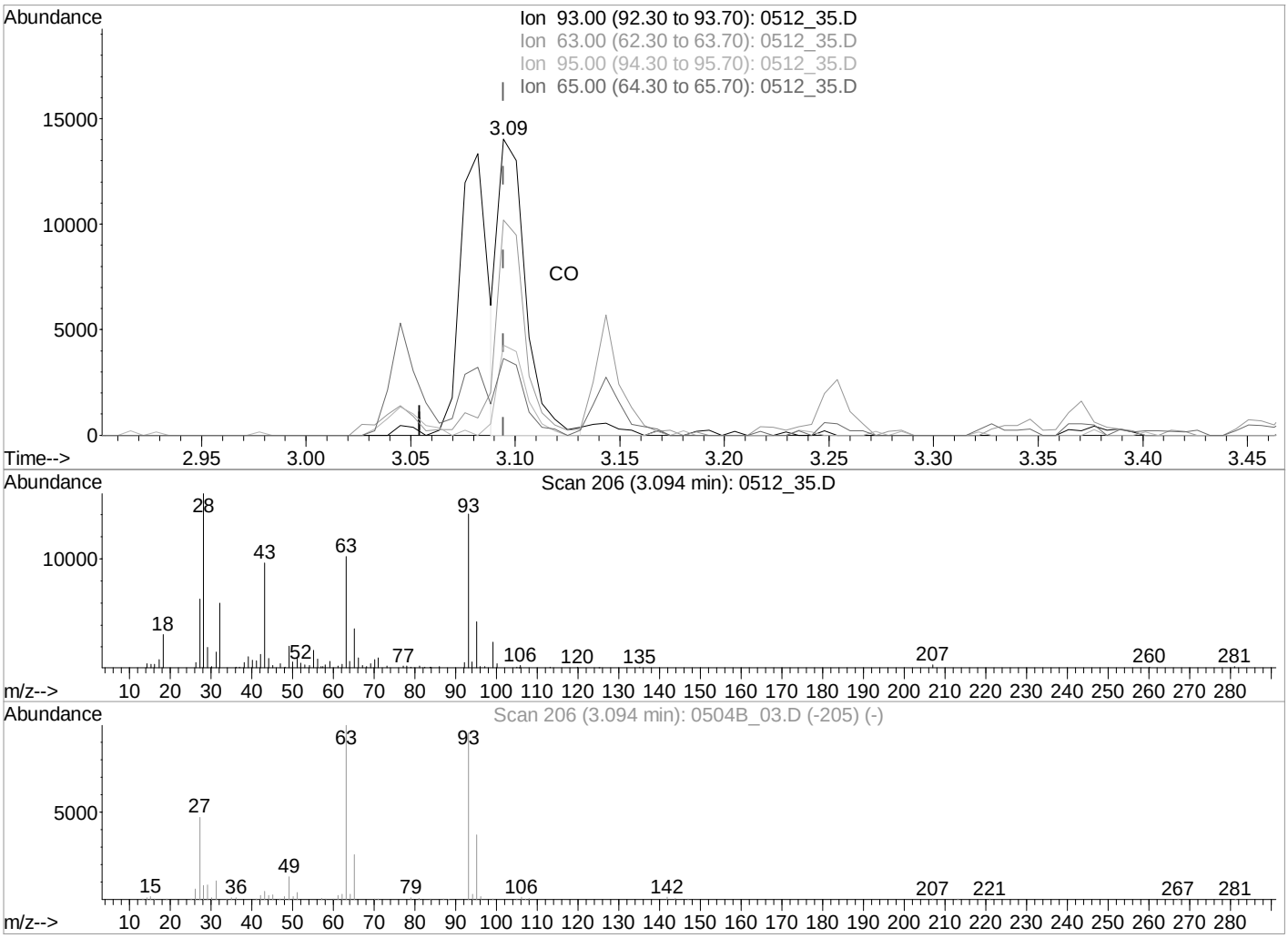
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	4.99#
95.00	30.20	0.00#
65.00	24.00	20.90

0512_35.D S804E04BV.M Fri May 13 14:29:42 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 35.D Vial: 40
Acq On : 12 May 2022 4:35 pm Operator: 3545
Sample : MSD 5x WG1860981 L1488161-03 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 14:29 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0512_35.D

(6) bis(2-Chloroethyl)ether (MT)

3.09min (+0.000) 1809.4210718 ppb m

response 12737

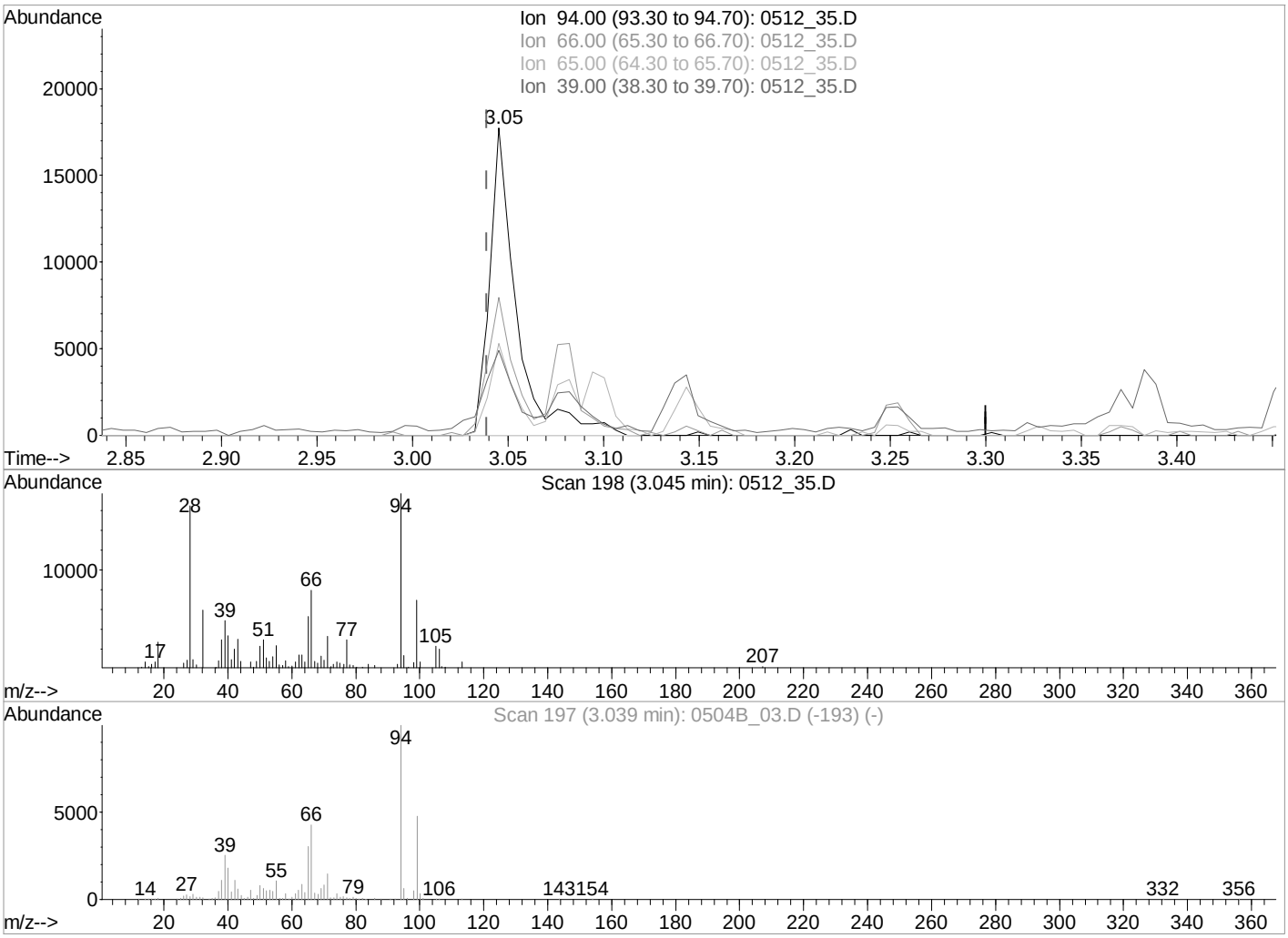
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	72.75
95.00	30.20	30.43
65.00	24.00	25.91

0512_35.D S804E04BV.M Fri May 13 14:29:46 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 35.D Vial: 40
Acq On : 12 May 2022 4:35 pm Operator: 3545
Sample : MSD 5x WG1860981 L1488161-03 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 14:29 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0512_35.D

(8) Phenol (MC)

3.05min (+0.006) 1736.7622585 ppb

Qvalue = 89

response 17476

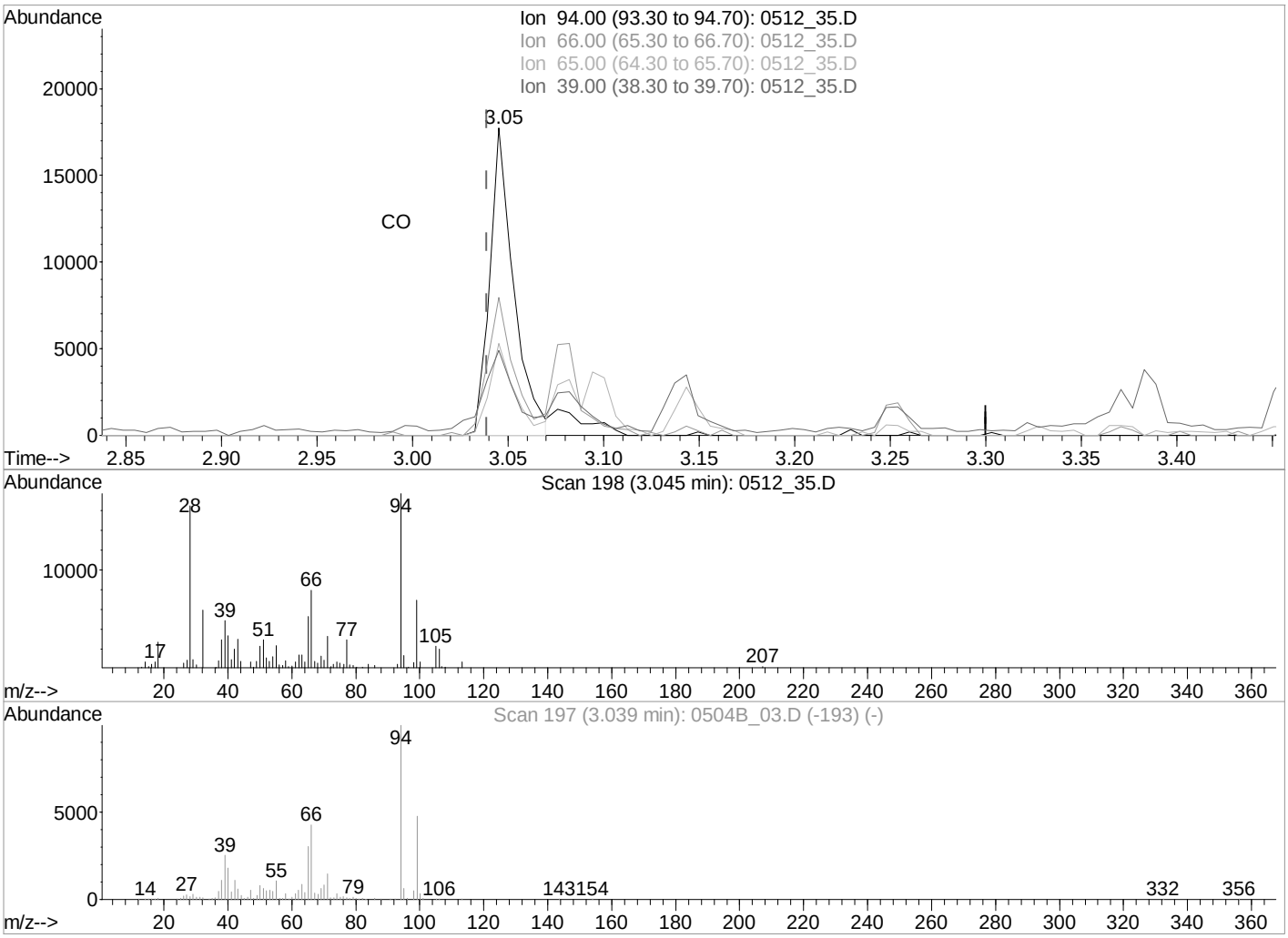
Ion	Exp%	Act%
94.00	100	100
66.00	34.70	44.88
65.00	27.70	29.91
39.00	22.50	26.19

0512_35.D S804E04BV.M Fri May 13 14:29:49 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 35.D Vial: 40
Acq On : 12 May 2022 4:35 pm Operator: 3545
Sample : MSD 5x WG1860981 L1488161-03 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 14:29 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0512_35.D

(8) Phenol (MC)

3.05min (+0.006) 1547.7417838 ppb m

response 15574

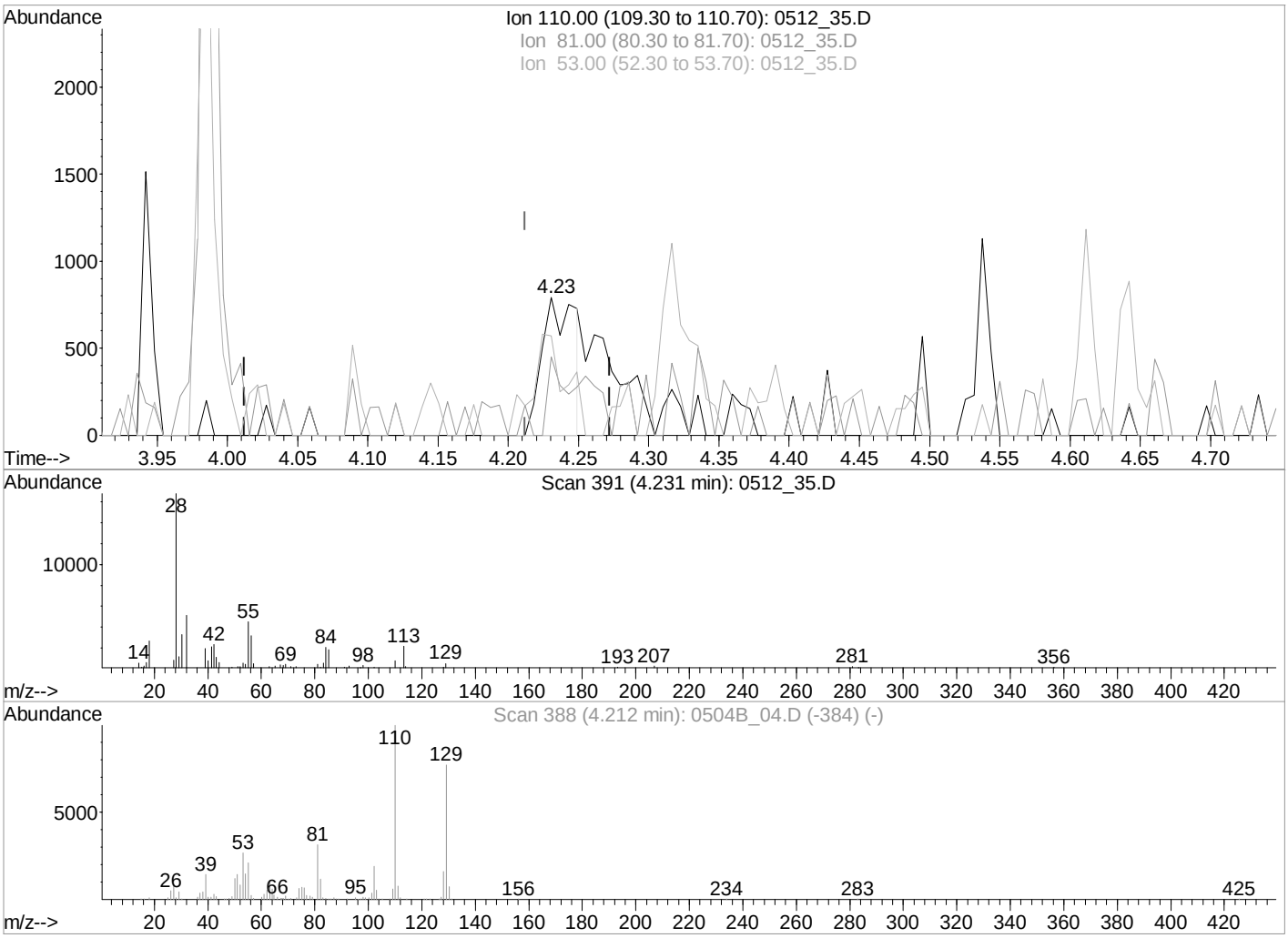
Ion	Exp%	Act%
94.00	100	100
66.00	34.70	44.88
65.00	27.70	29.91
39.00	22.50	27.61

0512_35.D S804E04BV.M Fri May 13 14:29:53 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 35.D Vial: 40
Acq On : 12 May 2022 4:35 pm Operator: 3545
Sample : MSD 5x WG1860981 L1488161-03 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 14:29 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Single Level Calibration



TIC: 0512_35.D

(37) Hydroquinone

4.23min (+0.019) -243.4637963 ppb

Qvalue = 58

response 1301

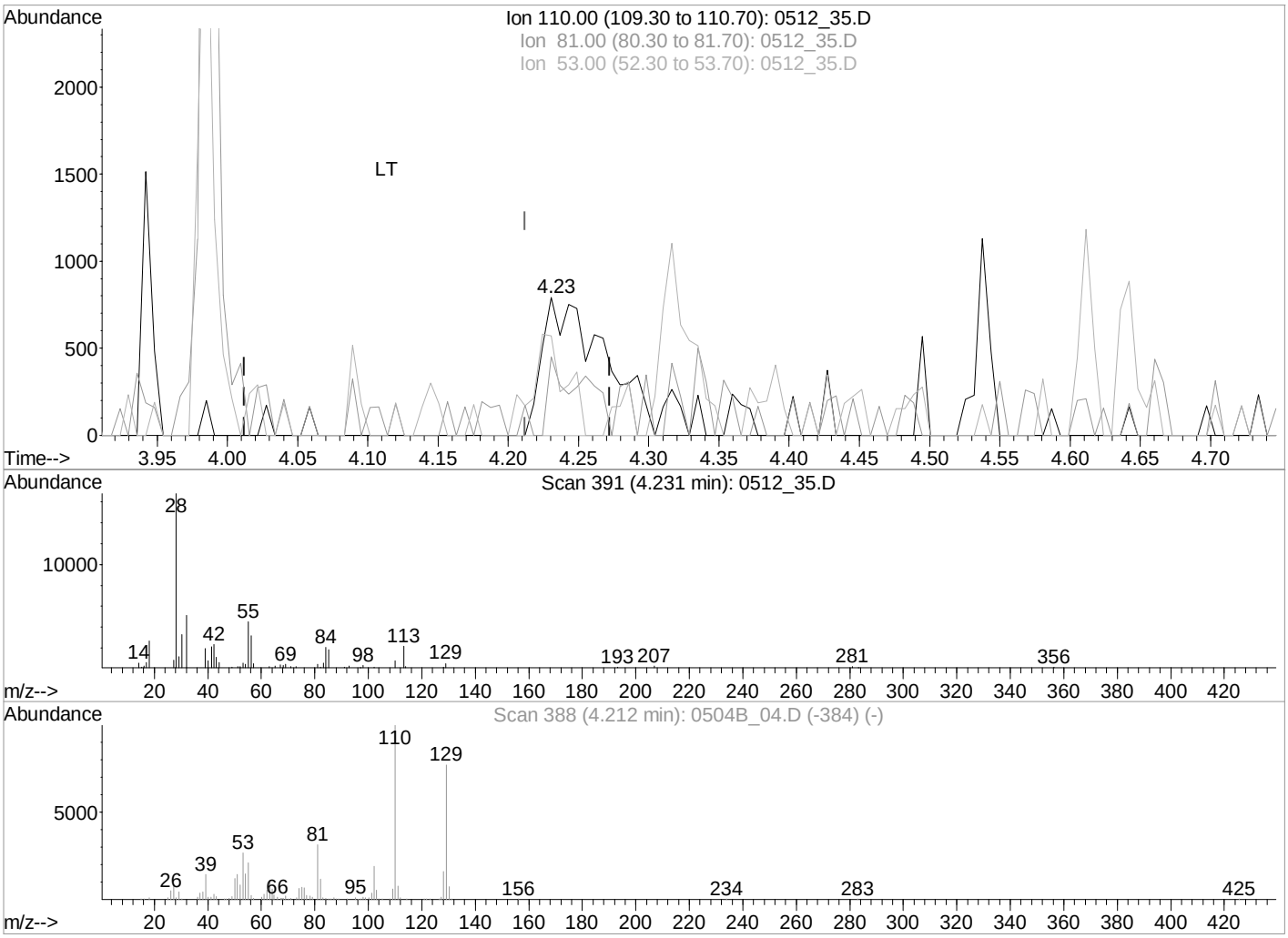
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	56.89#
53.00	25.90	42.73
0.00	0.00	0.00

0512_35.D S804E04BV.M Fri May 13 14:30:10 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051222\0512 35.D Vial: 40
Acq On : 12 May 2022 4:35 pm Operator: 3545
Sample : MSD 5x WG1860981 L1488161-03 Inst : BNAMS4
Misc : SOIL ISTD 22E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 13 14:30 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Single Level Calibration



TIC: 0512_35.D

(37) Hydroquinone

4.23min (+0.019) 33.2496975 ppb m

response 2417

Ion	Exp%	Act%
110.00	100	100
81.00	29.80	56.89#
53.00	25.90	72.19#
0.00	0.00	0.00

0512_35.D S804E04BV.M Fri May 13 14:30:14 2022

BNA SS Extractions Benchsheet

Batch: WG1860981

SDG	PrePrep Batch	PrePrep Analyst	PrePrep Balance	PrePrep Start Time
L1487950	WG1856722	BJM688	PREPREPBAL1	06-MAY-22
L1488161	WG1856959	BJM688	PREPREPBAL4	30-APR-22
L1488171	WG1856959	BJM688	PREPREPBAL4	30-APR-22
L1488196	WG1858246	BJM688	PREPREPBAL2	04-MAY-22
L1488414	WG1858972	BJM688	PREPREPBAL2	06-MAY-22

Process Analyst: MAB3514 **Transfer Analyst:** MAB3514 **Material Handler:** MAB3514 **Prep Start Date/Time:** 05/11/22 03:08-03:10
Prep End Date/Time: 05/11/22 09:29 **SOP:** MTJL -0118 **Method:** 3546 **Balance ID:** EXTBAL5 **Filter Lot#:** 17127444

Na2SO4: 22D27809 Amt. Used: 1 Exp. Date:10/27/22 **MeCL2:Acetone:** 22E06032 Amt. Used: 1 Exp. Date:10/28/22
Surrogate: 22E03640 Amt. Used: 0.50 mL Exp. Date:08/22/22 **LCS/MS Spike:** 22E02407 Amt. Used: 0.50 mL Exp. Date:05/16/22
MeCl2: 22E04829 Amt. Used: 1 Exp. Date:11/04/22 **Spike Syringe ID:** 22D27753 Amt. Used: 1 Exp. Date:10/27/22
Surrogate Syringe ID: 22D27754 Amt. Used: 1 Exp. Date:10/27/22

Sample Number	Initial Sample Wt (g)	Solvent Volume (mL)	Final Volume (mL)	Extract Color	Box ID	Prep Factor	Prep Ratio	DL Adjustment Factor	Spike Factor	Surrogate Factor	Review Analyst	Review Date
BLANK	15	25	0.5	Colorless		0.0333	1	1	1	1	DSH3578	05/11/22 16:29:27
LCS	15	25	0.5	Yellow		0.0333	1	1	1	1	DSH3578	05/11/22 16:29:27
MS(L1488161-03)	15.65	25	0.5	Green	Sat-5	0.0319	0.958	1	1	1	DSH3578	05/11/22 16:29:27
MSD(L1488161-03)	15.60	25	0.5	Green	Sat-5	0.0321	0.964	1	1	1	DSH3578	05/11/22 16:29:27
1. L1487656-01	15.32	25	0.5	Colorless		0.0326	0.979	1	1	1	DSH3578	05/11/22 16:29:27
2. L1487950-13	15.37	25	0.5	Dark-brown	FRI 1/0506-PP1	0.0325	0.976	1	1	1	DSH3578	05/11/22 16:29:27
3. L1487950-14	15.89	25	0.5	Yellow	FRI 1/0506-PP1	0.0315	0.946	1	1	1	DSH3578	05/11/22 16:29:27
4. L1487950-15	15.74	25	0.5	Yellow	FRI 1/0506-PP1	0.0318	0.955	1	1	1	DSH3578	05/11/22 16:29:27
5. L1487950-16	15.20	25	0.5	Brown	FRI 1/0506-PP1	0.0329	0.988	1	1	1	DSH3578	05/11/22 16:29:27
6. L1487950-17	15.83	25	0.5	Yellow	FRI 1/0506-PP1	0.0316	0.949	1	1	1	DSH3578	05/11/22 16:29:27
7. L1487950-18	15.65	25	0.5	Yellow	FRI 1/0506-PP1	0.0319	0.958	1	1	1	DSH3578	05/11/22 16:29:27
8. L1487950-19	15.42	25	0.5	Dark-brown	FRI 1/0506-PP1	0.0324	0.973	1	1	1	DSH3578	05/11/22 16:29:27
9. L1487950-20	15.09	25	0.5	Colorless	FRI 1/0506-PP1	0.0331	0.994	1	1	1	DSH3578	05/11/22 16:29:27
10. L1488161-01	15.53	25	0.5	Green	Sat-5	0.0322	0.967	1	1	1	DSH3578	05/11/22 16:29:27
11. L1488161-02	15.71	25	0.5	Green	Sat-5	0.0318	0.955	1	1	1	DSH3578	05/11/22 16:29:27
12. L1488161-03	15.62	25	0.5	Green	Sat-5	0.032	0.961	1	1	1	DSH3578	05/11/22 16:29:27
13. L1488161-04	15.23	25	0.5	Dark-brown	Sat-5	0.0328	0.985	1	1	1	DSH3578	05/11/22 16:29:27
14. L1488171-01	15.49	25	0.5	Green	Sat-5	0.0323	0.97	1	1	1	DSH3578	05/11/22 16:29:27
15. L1488171-02	15.28	25	0.5	Green	Sat-5	0.0327	0.982	1	1	1	DSH3578	05/11/22 16:29:27
16. L1488171-03	15.10	25	0.5	Yellow	Sat-5	0.0331	0.994	1	1	1	DSH3578	05/11/22 16:29:27
17. L1488171-04	15.52	25	0.5	Green	Sat-5	0.0322	0.967	1	1	1	DSH3578	05/11/22 16:29:27
18. L1488196-01	15.39	25	1.0	Dark-brown	Wed01 / 0504PP02	0.065	1.95	2	1	1	DSH3578	05/11/22 16:29:27
19. L1488414-01	15.86	25	0.5	Yellow	Fri03 / 0506PP02	0.0315	0.946	1	1	1	DSH3578	05/11/22 16:29:27

Comments:
#2 and #18 were Na2SO4 treated

Reviewed By:DSH3578 on 05/11/22 16:29:27

9034/9030B Wet Chemistry

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
FD02-042722-0-10

Lab Sample ID:	L1488161-01	**SDG:**	L1488161
Client Sample ID:	FD02-042722-0-10	**Collected Date/Time:**	04/27/22 10:10
Lab File ID:	27	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	MAN TITR	**Preparation Date/Time:**	05/02/22 16:22
Analytical Batch:	WG1858884	**Analysis Date/Time:**	05/04/22 19:00
Dilution Factor:	1	**Prep Method:**	9030B
Analytical Method:	9034/9030B	**Sample Vol Used:**	
Matrix:	Solid	**Initial Wt/Vol:**	8.90 g
Total Solids (%):	54.7	**Final Wt/Vol:**	

Analyte	CAS	Result (dry)	Qualifier	MDL (dry)	RDL (dry)
		mg/kg		*mg/kg*	*mg/kg*
Sulfide	18496-25-8	U		54.8	137

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BNSF-BG18-042722-0-10

Lab Sample ID:	L1488161-02	**SDG:**	L1488161
Client Sample ID:	BNSF-BG18-042722-0-10	**Collected Date/Time:**	04/27/22 10:35
Lab File ID:	28	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	MAN TITR	**Preparation Date/Time:**	05/02/22 16:22
Analytical Batch:	WG1858884	**Analysis Date/Time:**	05/04/22 19:00
Dilution Factor:	1	**Prep Method:**	9030B
Analytical Method:	9034/9030B	**Sample Vol Used:**	
Matrix:	Solid	**Initial Wt/Vol:**	10.68 g
Total Solids (%):	58.9	**Final Wt/Vol:**	

Analyte	CAS	Result (dry)	Qualifier	MDL (dry)	RDL (dry)
		mg/kg		*mg/kg*	*mg/kg*
Sulfide	18496-25-8	76.4	J	50.9	127

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BNSF-BG19-042722-0-10

Lab Sample ID:	L1488161-03	**SDG:**	L1488161
Client Sample ID:	BNSF-BG19-042722-0-10	**Collected Date/Time:**	04/27/22 11:05
Lab File ID:	29	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	MAN TITR	**Preparation Date/Time:**	05/02/22 16:22
Analytical Batch:	WG1858884	**Analysis Date/Time:**	05/04/22 19:00
Dilution Factor:	1	**Prep Method:**	9030B
Analytical Method:	9034/9030B	**Sample Vol Used:**	
Matrix:	Solid	**Initial Wt/Vol:**	13.42 g
Total Solids (%):	77.0	**Final Wt/Vol:**	

Analyte	CAS	Result (dry)	Qualifier	MDL (dry)	RDL (dry)
		mg/kg		*mg/kg*	*mg/kg*
Sulfide	18496-25-8	U		38.9	97.3

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BNSF-SG03-042722-0-5.5

Lab Sample ID:	L1488161-04	**SDG:**	L1488161
Client Sample ID:	BNSF-SG03-042722-0-5.5	**Collected Date/Time:**	04/27/22 12:00
Lab File ID:	30	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	MAN TITR	**Preparation Date/Time:**	05/02/22 16:22
Analytical Batch:	WG1858884	**Analysis Date/Time:**	05/04/22 19:00
Dilution Factor:	1	**Prep Method:**	9030B
Analytical Method:	9034/9030B	**Sample Vol Used:**	
Matrix:	Solid	**Initial Wt/Vol:**	9.87 g
Total Solids (%):	75.5	**Final Wt/Vol:**	

Analyte	CAS	Result (dry)	Qualifier	MDL (dry)	RDL (dry)
		mg/kg		*mg/kg*	*mg/kg*
Sulfide	18496-25-8	U		39.7	99.3

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
R3788164-1

Lab Sample ID:	R3788164-1	**SDG:**	L1488161
Client Sample ID:	BLANK	**Collected Date/Time:**	_____
Lab File ID:	25	**Received Date/Time:**	_____
Instrument ID:	MAN TITR	**Preparation Date/Time:**	05/02/22 16:22
Analytical Batch:	WG1858884	**Analysis Date/Time:**	05/04/22 19:00
Dilution Factor:	1	**Prep Method:**	9030B
Analytical Method:	9034/9030B	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	10.14 g
Total Solids (%):	_____	**Final Wt/Vol:**	_____

Analyte	CAS	Result	Qualifier	MDL	RDL
		mg/kg		*mg/kg*	*mg/kg*
Sulfide	18496-25-8	U		30.0	75.0

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
R3788164-2

Lab Sample ID:	R3788164-2	**SDG:**	L1488161
Client Sample ID:	LCS	**Collected Date/Time:**	_____
Lab File ID:	26	**Received Date/Time:**	_____
Instrument ID:	MAN TITR	**Preparation Date/Time:**	05/02/22 16:22
Analytical Batch:	WG1858884	**Analysis Date/Time:**	05/04/22 19:00
Dilution Factor:	1	**Prep Method:**	9030B
Analytical Method:	9034/9030B	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	10.12 g
Total Solids (%):	_____	**Final Wt/Vol:**	_____

Analyte	CAS	Result	Qualifier	MDL	RDL
		mg/kg		*mg/kg*	*mg/kg*
Sulfide	18496-25-8	71.3		30.0	75.0

SDG:	L1488161	**Calibration (begin) date/time:**	_____
Instrument ID:	MAN TITR	**Calibration (end) date/time:**	_____
Analytical Method:	9034/9030B	**Analytical Run:**	WG1858884

	Sample ID:	**BLANK Result**	**BLANK Qual**
	File ID:	25	
Analyte		mg/kg	
SULFIDE		U	

7-IN

LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE RECOVERY

L1488161-01,02,03,04

SAMPLE NO.:
R3788164-2

LCS Sample / File ID:	R3788164-2 / 26	**SDG:**	L1488161
LCSD Sample / File ID:	_____	**Analytical Batch:**	WG1858884
Instrument ID:	MAN TITR	**Dilution Factor:**	1
Analytical Method:	9034/9030B	**Matrix:**	Solid

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	RPD	RPD Limits
	mg/kg	*mg/kg*		*%*	*%*	*%*	*%*	*%*
Sulfide	100	71.3		71.3		53.8 - 124		

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

DETECTION LIMIT SUMMARY

Lab Sample IDs: L1488161-01,02,03,04 **Analytical Method:** 9034/9030B

Matrix: Solid **Prep Method:** 9030B

Analyte	CAS	Wavelength	Mass	MDL	RDL
				mg/kg	*mg/kg*
Sulfide	18496-25-8			30	75

ANALYSIS LOG

SDG:	L1488161	**Analytical Method:**	9034/9030B
Instrument ID:	MAN TITR	**Calibration Start Date:**	_____
Analytical Run:	WG1858884	**Calibration End Date:**	_____

Client Sample ID	Lab Sample ID	File ID	Analysis Date Time	Dilution	Batch
BLANK	R3788164-1	25	05/04/22 19:00	1	WG1858884
LCS	R3788164-2	26	05/04/22 19:00	1	WG1858884
BNSF-BG18-042722-0-10	L1488161-02	28	05/04/22 19:00	1	WG1858884
FD02-042722-0-10	L1488161-01	27	05/04/22 19:00	1	WG1858884
BNSF-BG19-042722-0-10	L1488161-03	29	05/04/22 19:00	1	WG1858884
BNSF-SG03-042722-0-5.5	L1488161-04	30	05/04/22 19:00	1	WG1858884

SULFIDE SS WetChem Prep Benchsheet

Batch: WG1858884/WG1857572

Analyst: BMD3730 **Analyst 2:** NA___ **Analyst 3:** NA___ **Prep Start Date/Time:** 05/02/22 16:22 **Prep End Date/Time:** 05/04/22 18:20
Date/Time Analyzed: 05/04/22 19:00:32 **SOP:** 0172 **Method:** 9030B **LCS True Value:** 100 ppm **Balance ID:** WETBAL9 **5mL Pipette Lot#:** NA
10mL Pipette Lot#: NA **50mL Pipette Lot#:** NA **250mL Container Lot#:** NA

H2SO4: 22E02355 Amt. Used: 50 mL Exp. Date:11/02/22 **0.5M Zn Acetate:** 22D28915 Amt. Used: 10 mL Exp. Date:09/29/22
37% Formaldehyde: 22D07126 Amt. Used: 5 mL Exp. Date:10/07/22 **LCS/D Standard:** 22E03578 Amt. Used: 10 mL Exp. Date:05/05/22
Iodine Solution: 22E02416 Amt. Used: 15 mL Exp. Date:11/02/22 **Sodium Thiosulfate Titrant:** 22E02415 Amt. Used: 1 Exp. Date:11/02/22
6N HCL: 22C22767 Amt. Used: 1 Exp. Date:09/22/22 **MS/D Standard:** 22E03578 Amt. Used: 10 mL Exp. Date:05/05/22

Sample Number	Normality of I2	Vol I2 for Std. (mL)	Vol Titr for Std. (mL)	Normality of Titrant	Initial Sample Wt (g)	Volume of I2 (mL)	Volume of Titrant (mL)	Sulfide Result (mg/L)	Review Analyst	Review Date
BLANK	0.025	15	15	0.025	10.14	15.0	15.0	0	BMD3730	05/04/22 18:20:46
LCS	0.025	15	15	0.025	10.12	15.0	13.2	71.28	BMD3730	05/04/22 18:20:46
1. L1488161-01	0.025	15	15	0.025	8.90	15.0	14.5	22.514	BMD3730	05/04/22 18:20:46
2. L1488161-02	0.025	15	15	0.025	10.68	15.0	13.8	45.028	BMD3730	05/04/22 18:20:46
3. L1488161-03	0.025	15	15	0.025	13.42	15.0	14.8	5.972	BMD3730	05/04/22 18:20:46
4. L1488161-04	0.025	15	15	0.025	9.87	15.0	14.9	4.06	BMD3730	05/04/22 18:20:46
5. L1488171-01	0.025	15	15	0.025	8.02	15.0	12.9	104.935	BMD3730	05/04/22 18:20:46
6. L1488171-02	0.025	15	15	0.025	10.56	15.0	14.9	3.795	BMD3730	05/04/22 18:20:46
7. L1488171-03	0.025	15	15	0.025	12.33	15.0	15.0	0	BMD3730	05/04/22 18:20:46
8. L1488171-04	0.025	15	15	0.025	11.11	15.0	14.8	7.214	BMD3730	05/04/22 18:20:46

Comments:

Reviewed By:BMD3730 on 05/04/22 18:20:46

9030B WetChem Prep Benchsheet

Batch: WG1857572

SDG	PrePrep Batch	PrePrep Analyst	PrePrep Balance	PrePrep Start Time
L1487569	WG1856413	BJM688	PREPREPBAL1	29-APR-22
L1487609	WG1856523	BJM688	PREPREPBAL1	29-APR-22
L1487809	WG1856701	BJM688	PREPREPBAL1	29-APR-22
L1487964	WG1856857	BJM688	PREPREPBAL1	30-APR-22
L1488057	WG1856887	BJM688	PREPREPBAL3	30-APR-22
L1488067	WG1856887	BJM688	PREPREPBAL3	30-APR-22
L1488088	WG1856953	BJM688	PREPREPBAL4	30-APR-22
L1488126	WG1856953	BJM688	PREPREPBAL4	30-APR-22
L1488161	WG1856959	BJM688	PREPREPBAL4	30-APR-22
L1488171	WG1856959	BJM688	PREPREPBAL4	30-APR-22

Analyst: BMD3730 **Analyst 2:** NA___ **Analyst 3:** NA___ **Prep Start Date/Time:** 05/02/22 16:22 **Prep End Date/Time:** 05/04/22 18:20
Date/Time Analyzed: 05/04/22 19:00:32 **SOP:** 0172 **Method:** 9030B **LCS True Value:** 100 ppm **Balance ID:** WETBAL9 **5mL Pipette Lot#:** NA
10mL Pipette Lot#: NA **50mL Pipette Lot#:** NA **250mL Container Lot#:** NA

H2SO4: 22E02355 Amt. Used: 50 mL Exp. Date:11/02/22 **0.5M Zn Acetate:** 22D28915 Amt. Used: 10 mL Exp. Date:09/29/22
37% Formaldehyde: 22D07126 Amt. Used: 5 mL Exp. Date:10/07/22 **LCS/D Standard:** 22E03578 Amt. Used: 10 mL Exp. Date:05/05/22
Iodine Solution: 22E02416 Amt. Used: 15 mL Exp. Date:11/02/22 **Sodium Thiosulfate Titrant:** 22E02415 Amt. Used: 1 Exp. Date:11/02/22
6N HCL: 22C22767 Amt. Used: 1 Exp. Date:09/22/22 **MS/D Standard:** 22E03578 Amt. Used: 10 mL Exp. Date:05/05/22

Sample Number	Normality of I2	Vol I2 for Std. (mL)	Vol Titr for Std. (mL)	Normality of Titrant	Initial Sample Wt (g)	Volume of I2 (mL)	Volume of Titrant (mL)	Sulfide Result (mg/L)	Review Analyst	Review Date
BLANK	0.025	15	15	0.025	10.14	15.0	15.0	0	BMD3730	05/04/22 18:20:46
LCS	0.025	15	15	0.025	10.12	15.0	13.2	71.28	BMD3730	05/04/22 18:20:46
1. L1487569-01	0.025	15	15	0.025	10.38	15.0	15.0	0	BMD3730	05/04/22 18:20:46
2. L1487609-03	0.025	15	15	0.025	10.39	15.0	14.8	7.714	BMD3730	05/04/22 18:20:46
3. L1487809-01	0.025	15	15	0.025	10.10	15.0	15.0	0	BMD3730	05/04/22 18:20:46
4. L1487964-02	0.025	15	15	0.025	10.30	15.0	15.0	0	BMD3730	05/04/22 18:20:46
5. L1488057-01	0.025	15	15	0.025	9.93	15.0	15.0	0	BMD3730	05/04/22 18:20:46
6. L1488057-02	0.025	15	15	0.025	9.78	15.0	15.0	0	BMD3730	05/04/22 18:20:46
7. L1488067-02	0.025	15	15	0.025	9.59	15.0	15.0	0	BMD3730	05/04/22 18:20:46
8. L1488067-03	0.025	15	15	0.025	9.60	15.0	14.9	4.174	BMD3730	05/04/22 18:20:46
9. L1488088-01	0.025	15	15	0.025	13.61	15.0	15.0	0	BMD3730	05/04/22 18:20:46
10. L1488126-01	0.025	15	15	0.025	10.74	15.0	15.0	0	BMD3730	05/04/22 18:20:46
11. L1488161-01	0.025	15	15	0.025	8.90	15.0	14.5	22.514	BMD3730	05/04/22 18:20:46
12. L1488161-02	0.025	15	15	0.025	10.68	15.0	13.8	45.028	BMD3730	05/04/22 18:20:46
13. L1488161-03	0.025	15	15	0.025	13.42	15.0	14.8	5.972	BMD3730	05/04/22 18:20:46
14. L1488161-04	0.025	15	15	0.025	9.87	15.0	14.9	4.06	BMD3730	05/04/22 18:20:46
15. L1488171-01	0.025	15	15	0.025	8.02	15.0	12.9	104.935	BMD3730	05/04/22 18:20:46

Sample Number	Normality of I2	Vol I2 for Std. (mL)	Vol Titr for Std. (mL)	Normality of Titrant	Initial Sample Wt (g)	Volume of I2 (mL)	Volume of Titrant (mL)	Sulfide Result (mg/L)	Review Analyst	Review Date
16. L1488171-02	0.025	15	15	0.025	10.56	15.0	14.9	3.795	BMD3730	05/04/22 18:20:46
17. L1488171-03	0.025	15	15	0.025	12.33	15.0	15.0	0	BMD3730	05/04/22 18:20:46
18. L1488171-04	0.025	15	15	0.025	11.11	15.0	14.8	7.214	BMD3730	05/04/22 18:20:46
19. L1488173-01	0.025	15	15	0.025	10.53	15.0	15.0	0	BMD3730	05/04/22 18:20:46
20. L1488270-01	0.025	15	15	0.025	10.06	15.0	14.6	15.934	BMD3730	05/04/22 18:20:46
MS(L1488067-02)	0.025	15	15	0.025	8.26	15.0	13.2	87.331	BMD3730	05/04/22 18:20:46
MSD(L1488067-02)	0.025	15	15	0.025	9.52	15.0	13.2	75.772	BMD3730	05/04/22 18:20:46

Comments:

Reviewed By: BMD3730 on 05/04/22 18:20:46

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

COD	Coefficient of Determination.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Mass	Mass of parameter.
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
RRF	Relative Response Factor.
RT	Retention Time.
SDG	Sample Delivery Group.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Wavelength	Wavelength of parameter.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.
NI	Manual Integration Code to indicate that the peak was not integrated at all by the computer software.
LT	Manual Integration Code to indicate that the peak in question was inappropriately integrated to an area less than what it should be (i.e., peak area was cut).
GT	Manual Integration Code to indicate that the peak in question was inappropriately integrated to an area greater than it should be (i.e., peak tailing).
BA	Manual Integration Code to indicate that the baseline had to be adjusted correctly by the analyst.
WP	Manual Integration Code to indicate that the wrong peak was chosen.
CO	Manual Integration Code to indicate that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.
RT	Manual Integration Code to indicate that the retention time for the peak in question has shifted from the expected retention time.
INT	Manual Integration Code to indicate that there was electronic interference (i.e., noise).

GLOSSARY OF TERMS

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

1 Cp
2 Tc
3 Ss
4 Cn
5 Su
6 Gl
7 Al
8 Sc

H094

Internal Transfer Chain of Custody

Pace Analytical®
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: WA
Cert. Needed: [x] Yes ☐ No
Owner Received Date: 4/29/2022 Results Requested By: 5/20/2022

Workorder: 10606395 **Workorder Name:** D3593500

Report To	Subcontract To
Kongmeng Vang Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone (612)607-1700	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

JGCU
JGFU

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved						Requested Analysis: 8270 SVOC - Pace National	Total Sulfides SW9030 - Pace National											LAB USE ONLY
1	FD02-042722-0-10	PS	4/27/2022 10:10	10606395001	Solid	2						X	X											-01
2	BNSF-BG18-042722-0-10	PS	4/27/2022 10:35	10606395002	Solid	2						X	X											-02
3	BNSF-BG19-042722-0-10	PS	4/27/2022 11:05	10606395003	Solid	2						X	X											-03
4	BNSF-SG03-042722-0-5.5	PS	4/27/2022 12:00	10606395004	Solid	2						X	X											-04
5																								

L1488161

Transfers	Released By	Date/Time	Received By	Date/Time
1	[illegible] PACE	4/29/22 1604	[illegible]	4/30/22 900
2				
3				

Comments

Cooler Temperature on Receipt ____ °C	Custody Seal Y or N	Received on Ice Y or N	Samples Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RAD Screen <0.5 mR/hr:	Y N		

JAA6
3.4 0c24

5466 8884 5063

Pace Analytical®
www.pacelabs.com

Ship To:
Pace National
12065 Lebanon Rd
Mt. Juliet, TN 37122
Phone (615) 758-5858

INTER_LABORATORY WORK ORDER # 10606395
(To be completed by sending lab)

Sending Project No:	10606395
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	04/29/22
REQUESTED COMPLETION DATE:	**5/20/2022**

Sending Region	IR10-Minnesota	Sending Project Mgr.	Kongmeng Vang
Receiving Region	IR850-Pace National	External Client	BNSF_Jacobs_WA
State of Sample Origin	WA	QC Deliverable	PACKAGELV4

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed yes

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Unit Price	Amount
Total Sulfides SW9030 - Pace National	JGFU		Unpreserved	4	$22.00	$88.00
8270 SVOC - Pace National	JGCU		Unpreserved	4	$130.00	$520.00
					TOTAL	$608.00

Special Requirements: Report D, QC Limits, MDLs (D),Jacobs UPRR EQEDD (1579)

Receiving Region Department	Acctg. Code	Totals from above	Revenue Allocation	
			Receiving Region (80%)	Client Services Dept. Sending Region (20%)
Wet Chemistry	21	$88.00	$70.40	$17.60
GC/MS Semivolatiles	30	$520.00	$416.00	$104.00
* Custom Revenue Allocation	**TOTAL**	$608.00	$486.40	$121.60

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☒ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

L1488161

1238 of 1320

10606395

L1488161

8270 SVOC List

Semi-volatile Organic Compounds and Polycy
3&4-Methylphenol
Benzoic acid
Bis(2-ethylhexyl) phthalate
Carbazole
Dibenzofuran
Di-n-butyl phthalate
Di-n-octyl phthalate
Pentachlorophenol
Phenol
1-Methylnaphthalene
2-Methylnaphthalene
Acenaphthene
Acenaphthylene
Anthracene
Benz(a)anthracene
Benzo(a)pyrene
Benzo(ghi)perylene
Chrysene
Dibenz(ah)anthracene
Fluoranthene
Fluorene
Indeno(123-cd)pyrene
Naphthalene
Phenanthrene
Pyrene
Benzo(b)fluoranthene
Benzo(k)fluoranthene

ANALYTICAL REPORT

Job Number: 580-113240-1

Job Description: D3593500 10606395

For:
Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414

Attention: Kongmeng Vang

Approved for release.
Pauline M Matlock
Project Manager
5/26/2022 1:04 PM

Pauline M Matlock, Project Manager
5755 8th Street East, Tacoma, WA, 98424
(253)922-2310
Pauline.Matlock@et.eurofinsus.com
05/26/2022
Revision: 1

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The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

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

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Qualifiers

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job Narrative
580-113240-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 5/16/2022. The report (revision 1) is being revised due to: Client needs TOC reported by dry weight.

Receipt
The samples were received on 4/30/2022 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.2º C.

General Chemistry
Method 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 580-390330 and 580-390484 and analytical batch 580-390698 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 9060A: The method blank for analytical batch 580-390132 contained Organic Carbon above the method detection limit. This target analyte concentration was less than half of the reporting limit (1/2RL); therefore re-extraction and re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606395

Job ID: 580-113240-1

Client Sample ID: FD02-042722-0-10 — Lab Sample ID: 580-113240-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon - Duplicates	30000	B	4000	190	mg/Kg	1	☼	9060A	Total/NA
Ammonia as N	72		49	17	mg/Kg	1	☼	EPA 350.1	Soluble

Client Sample ID: BNSF-BG18-042722-0-10 — Lab Sample ID: 580-113240-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon - Duplicates	19000	B	3900	190	mg/Kg	1	☼	9060A	Total/NA
Ammonia as N	56		48	17	mg/Kg	1	☼	EPA 350.1	Soluble

Client Sample ID: BNSF-BG19-042722-0-10 — Lab Sample ID: 580-113240-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon - Duplicates	1600	J B	2500	120	mg/Kg	1	☼	9060A	Total/NA

Client Sample ID: BNSF-SG03-042722-0-5.5 — Lab Sample ID: 580-113240-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon - Duplicates	13000	B	2900	140	mg/Kg	1	☼	9060A	Total/NA
Ammonia as N	14	J	35	12	mg/Kg	1	☼	EPA 350.1	Soluble

This Detection Summary does not include radiochemical test results.

Client Sample ID: FD02-042722-0-10
Lab Sample ID: 580-113240-1
Date Collected: 04/27/22 10:10
Matrix: Solid
Date Received: 04/30/22 09:45
Percent Solids: 50.6

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	30000	B	4000	190	mg/Kg	☼		05/10/22 16:25	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	72		49	17	mg/Kg	☼	05/12/22 19:48	05/14/22 21:37	1

Client Sample ID: BNSF-BG18-042722-0-10
Lab Sample ID: 580-113240-2
Date Collected: 04/27/22 10:35
Matrix: Solid
Date Received: 04/30/22 09:45
Percent Solids: 51.4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	19000	B	3900	190	mg/Kg	☼		05/10/22 16:29	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	56		48	17	mg/Kg	☼	05/12/22 19:48	05/14/22 21:37	1

Client Sample ID: BNSF-BG19-042722-0-10
Lab Sample ID: 580-113240-3
Date Collected: 04/27/22 11:05
Matrix: Solid
Date Received: 04/30/22 09:45
Percent Solids: 78.6

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	1600	J B	2500	120	mg/Kg	☼		05/10/22 16:33	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		30	11	mg/Kg	☼	05/12/22 19:48	05/14/22 21:37	1

Client Sample ID: BNSF-SG03-042722-0-5.5
Lab Sample ID: 580-113240-4
Date Collected: 04/27/22 12:00
Matrix: Solid
Date Received: 04/30/22 09:45
Percent Solids: 68.3

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	13000	B	2900	140	mg/Kg	☼		05/10/22 16:38	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	14	J	35	12	mg/Kg	☼	05/12/22 19:48	05/14/22 21:37	1

Default Detection Limits

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606395

Job ID: 580-113240-1

General Chemistry

Analyte	RL	MDL	Units
Total Organic Carbon - Duplicates	2000	97	mg/Kg

General Chemistry - Soluble

Prep: Distill/Ammonia

Leach: DI Leach

Analyte	RL	MDL	Units
Ammonia as N	25	8.8	mg/Kg

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-390132/36
Matrix: Solid
Analysis Batch: 390132

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	157	J	2000	97	mg/Kg			05/10/22 15:42	1

Lab Sample ID: MB 580-390132/5
Matrix: Solid
Analysis Batch: 390132

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	ND		2000	97	mg/Kg			05/10/22 13:48	1

Lab Sample ID: LCS 580-390132/37
Matrix: Solid
Analysis Batch: 390132

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Duplicates	120000	115000		mg/Kg		96	80 - 120

Lab Sample ID: LCS 580-390132/6
Matrix: Solid
Analysis Batch: 390132

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Duplicates	120000	118000		mg/Kg		98	80 - 120

Lab Sample ID: LCSD 580-390132/38
Matrix: Solid
Analysis Batch: 390132

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates	120000	113000		mg/Kg		94	80 - 120	2	20

Lab Sample ID: LCSD 580-390132/7
Matrix: Solid
Analysis Batch: 390132

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates	120000	115000		mg/Kg		96	80 - 120	3	20

Method: EPA 350.1 - Ammonia

Lab Sample ID: MB 580-390330/1-B
Matrix: Solid
Analysis Batch: 390698

Client Sample ID: Method Blank
Prep Type: Soluble
Prep Batch: 390484

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		25	8.8	mg/Kg		05/12/22 19:48	05/14/22 21:37	1

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606395

Job ID: 580-113240-1

Method: EPA 350.1 - Ammonia (Continued)

Lab Sample ID: LCS 580-390330/2-B
Matrix: Solid
Analysis Batch: 390698

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 390484

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia as N			50.0	51.5		mg/Kg		103	90 - 110		

General Chemistry

Analysis Batch: 390132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-113240-1	FD02-042722-0-10	Total/NA	Solid	9060A	
580-113240-2	BNSF-BG18-042722-0-10	Total/NA	Solid	9060A	
580-113240-3	BNSF-BG19-042722-0-10	Total/NA	Solid	9060A	
580-113240-4	BNSF-SG03-042722-0-5.5	Total/NA	Solid	9060A	
MB 580-390132/36	Method Blank	Total/NA	Solid	9060A	
MB 580-390132/5	Method Blank	Total/NA	Solid	9060A	
LCS 580-390132/37	Lab Control Sample	Total/NA	Solid	9060A	
LCS 580-390132/6	Lab Control Sample	Total/NA	Solid	9060A	
LCSD 580-390132/38	Lab Control Sample Dup	Total/NA	Solid	9060A	
LCSD 580-390132/7	Lab Control Sample Dup	Total/NA	Solid	9060A	

Analysis Batch: 390214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-113240-1	FD02-042722-0-10	Total/NA	Solid	Moisture	
580-113240-2	BNSF-BG18-042722-0-10	Total/NA	Solid	Moisture	
580-113240-3	BNSF-BG19-042722-0-10	Total/NA	Solid	Moisture	
580-113240-4	BNSF-SG03-042722-0-5.5	Total/NA	Solid	Moisture	

Leach Batch: 390330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-113240-1	FD02-042722-0-10	Soluble	Solid	DI Leach	
580-113240-2	BNSF-BG18-042722-0-10	Soluble	Solid	DI Leach	
580-113240-3	BNSF-BG19-042722-0-10	Soluble	Solid	DI Leach	
580-113240-4	BNSF-SG03-042722-0-5.5	Soluble	Solid	DI Leach	
MB 580-390330/1-B	Method Blank	Soluble	Solid	DI Leach	
LCS 580-390330/2-B	Lab Control Sample	Soluble	Solid	DI Leach	

Prep Batch: 390484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-113240-1	FD02-042722-0-10	Soluble	Solid	Distill/Ammonia	390330
580-113240-2	BNSF-BG18-042722-0-10	Soluble	Solid	Distill/Ammonia	390330
580-113240-3	BNSF-BG19-042722-0-10	Soluble	Solid	Distill/Ammonia	390330
580-113240-4	BNSF-SG03-042722-0-5.5	Soluble	Solid	Distill/Ammonia	390330
MB 580-390330/1-B	Method Blank	Soluble	Solid	Distill/Ammonia	390330
LCS 580-390330/2-B	Lab Control Sample	Soluble	Solid	Distill/Ammonia	390330

Analysis Batch: 390698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-113240-1	FD02-042722-0-10	Soluble	Solid	EPA 350.1	390484
580-113240-2	BNSF-BG18-042722-0-10	Soluble	Solid	EPA 350.1	390484
580-113240-3	BNSF-BG19-042722-0-10	Soluble	Solid	EPA 350.1	390484
580-113240-4	BNSF-SG03-042722-0-5.5	Soluble	Solid	EPA 350.1	390484
MB 580-390330/1-B	Method Blank	Soluble	Solid	EPA 350.1	390484
LCS 580-390330/2-B	Lab Control Sample	Soluble	Solid	EPA 350.1	390484

Client Sample ID: FD02-042722-0-10
Lab Sample ID: 580-113240-1
Date Collected: 04/27/22 10:10
Matrix: Solid
Date Received: 04/30/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	390214	05/11/22 11:50	JSM	FGS SEA

Client Sample ID: FD02-042722-0-10
Lab Sample ID: 580-113240-1
Date Collected: 04/27/22 10:10
Matrix: Solid
Date Received: 04/30/22 09:45
Percent Solids: 50.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060A		1	390132	05/10/22 16:25	N1R	FGS SEA
Soluble	Leach	DI Leach			390330	05/11/22 22:39	FCG	FGS SEA
Soluble	Prep	Distill/Ammonia			390484	05/12/22 19:48	MLT	FGS SEA
Soluble	Analysis	EPA 350.1		1	390698	05/14/22 21:37	MLT	FGS SEA

Client Sample ID: BNSF-BG18-042722-0-10
Lab Sample ID: 580-113240-2
Date Collected: 04/27/22 10:35
Matrix: Solid
Date Received: 04/30/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	390214	05/11/22 11:50	JSM	FGS SEA

Client Sample ID: BNSF-BG18-042722-0-10
Lab Sample ID: 580-113240-2
Date Collected: 04/27/22 10:35
Matrix: Solid
Date Received: 04/30/22 09:45
Percent Solids: 51.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060A		1	390132	05/10/22 16:29	N1R	FGS SEA
Soluble	Leach	DI Leach			390330	05/11/22 22:39	FCG	FGS SEA
Soluble	Prep	Distill/Ammonia			390484	05/12/22 19:48	MLT	FGS SEA
Soluble	Analysis	EPA 350.1		1	390698	05/14/22 21:37	MLT	FGS SEA

Client Sample ID: BNSF-BG19-042722-0-10
Lab Sample ID: 580-113240-3
Date Collected: 04/27/22 11:05
Matrix: Solid
Date Received: 04/30/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	390214	05/11/22 11:50	JSM	FGS SEA

Client Sample ID: BNSF-BG19-042722-0-10
Lab Sample ID: 580-113240-3
Date Collected: 04/27/22 11:05
Matrix: Solid
Date Received: 04/30/22 09:45
Percent Solids: 78.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060A		1	390132	05/10/22 16:33	N1R	FGS SEA
Soluble	Leach	DI Leach			390330	05/11/22 22:39	FCG	FGS SEA
Soluble	Prep	Distill/Ammonia			390484	05/12/22 19:48	MLT	FGS SEA
Soluble	Analysis	EPA 350.1		1	390698	05/14/22 21:37	MLT	FGS SEA

Lab Chronicle

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606395

Job ID: 580-113240-1

Client Sample ID: BNSF-SG03-042722-0-5.5
Date Collected: 04/27/22 12:00
Date Received: 04/30/22 09:45

Lab Sample ID: 580-113240-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	390214	05/11/22 11:50	JSM	FGS SEA

Client Sample ID: BNSF-SG03-042722-0-5.5
Date Collected: 04/27/22 12:00
Date Received: 04/30/22 09:45

Lab Sample ID: 580-113240-4
Matrix: Solid
Percent Solids: 68.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060A		1	390132	05/10/22 16:38	N1R	FGS SEA
Soluble	Leach	DI Leach			390330	05/11/22 22:39	FCG	FGS SEA
Soluble	Prep	Distill/Ammonia			390484	05/12/22 19:48	MLT	FGS SEA
Soluble	Analysis	EPA 350.1		1	390698	05/14/22 21:37	MLT	FGS SEA

Laboratory References:

FGS SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Pace Analytical Services, LLC
Job ID: 580-113240-1
Project/Site: D3593500 10606395

Laboratory: Eurofins Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2954	07-07-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
9060A		Solid	Total Organic Carbon - Duplicates
EPA 350.1	Distill/Ammonia	Solid	Ammonia as N
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Oregon	NELAP	4167	07-07-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Solids

Washington	State	C788	07-13-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
9060A		Solid	Total Organic Carbon - Duplicates
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606395

Job ID: 580-113240-1

Method	Method Description	Protocol	Laboratory
9060A	Organic Carbon, Total (TOC)	SW846	FGS SEA
EPA 350.1	Ammonia	EPA	FGS SEA
Moisture	Percent Moisture	EPA	FGS SEA
DI Leach	Deionized Water Leaching Procedure	ASTM	FGS SEA
Distill/Ammonia	Distillation, Ammonia	None	FGS SEA

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

None = None

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

Laboratory References:

FGS SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606395

Job ID: 580-113240-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-113240-1	FD02-042722-0-10	Solid	04/27/22 10:10	04/30/22 09:45
580-113240-2	BNSF-BG18-042722-0-10	Solid	04/27/22 10:35	04/30/22 09:45
580-113240-3	BNSF-BG19-042722-0-10	Solid	04/27/22 11:05	04/30/22 09:45
580-113240-4	BNSF-SG03-042722-0-5.5	Solid	04/27/22 12:00	04/30/22 09:45

Eurofins Seattle

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
Ammonia Std_00019	06/14/23	LabChem, Lot L158-09			(Purchased Reagent)		Ammonia as N	1000 mg/L
CaCO3_00004_00009	07/16/25	LECO, Lot 1001			(Purchased Reagent)		TOC Result 1	120000 mg/Kg
							Total Organic Carbon - Duplicates	120000 mg/Kg
CaCO3_00012	03/31/23	Alfa Aesar, Lot X15E030			(Purchased Reagent)		Total Organic Carbon - Duplicates	120000 mg/Kg
TOCS_LCS_00012	07/26/23	ERA, Lot D108-542			(Purchased Reagent)		TOC Result 1	4300 mg/Kg
							Total Organic Carbon - Duplicates	4300 mg/Kg

Reagent

Ammonia Std_00019

LabChem
performance through chemistry
Jackson's Pointe Commerce Park - Building 1000
1010 Jackson's Pointe Court, Zelienople, PA 16063
Ph: 412-826-5230 | Fax: 724-473-0647 | www.labchem.com

CERTIFICATE OF ANALYSIS

Description: AMMONIA (as NITROGEN) STANDARD, 1000ppm (1mL = 1mg N)

Mfg. Date: 06/14/2021

Catalog Number: LC17940

Exp. Date: 06/14/2023

Lot Number: L158-09

ANALYTICAL SECTION

Test	Specification	Test Result
Appearance	clear, colorless solution	Pass Test
Concentration ppm N	1000ppm +/- 10ppm	995 ppm
Concentration mg N/mL	1.000 +/- 0.010 mg N/mL	0.995 mg N/mL
Traceable to NIST	Potassium Chloride	999b

Intended Use - Product is intended for use in manufacturing procedures and laboratory procedures and protocols.

Storage Information - Unless otherwise noted on the product label, store the product under normal lab conditions in its tightly closed, original container. Do not pipet directly from the container or return unused portions to the container.

Instructions for Handling and Use - Please refer to the associated product label and Safety Data Sheet (SDS) for information regarding safety and handling of this product.

Preparation - All products are manufactured and tested according to established, documented procedures and methodology. Production documentation records manufacturing data, raw material traceability and testing history on a per lot basis. Balances, thermometers, and glassware are calibrated before first use and on a regular schedule with references traceable to NIST standards.

Submitted by: Greg Albright, Chemist Supervisor

2899582
ID: Ammonia Std_00019
Exp: 06/14/23 Prpd: R1K
1000ppm Ammonia (as Nitro

rcvd 6/30/21

An ISO9001:2015 certified company. Registration # 0306-01

06/30/2021 7:01 PM

Form #17.13 07/28/2016

Reagent

CaCO3_00004_00009

ACROS ORGANICS

Version	00
Molecular weight	100.09
Quality Test / Release Date	07/31/2020
Molecular Formula	C Ca O3
CAS No	471-34-1
Linear Formula	CaCO3
Flash Point (°C)	

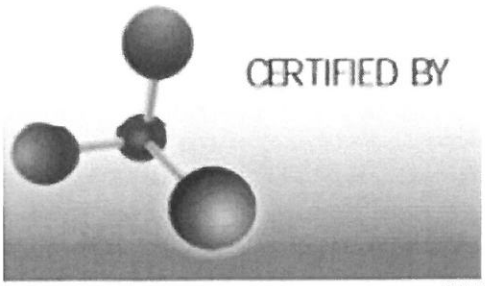
Certificate of Analysis

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Acros Organics expressly disclaims all warranties,expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to human or animals. It is the responsiblity of the purchaser, formulator or those performing further manufacturing to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	42351	**Quality Test / Release Date**	07/31/2020
Lot Number	A0421160	**Suggested retest date**	07/31/2025
Description	Calcium carbonate,99+%,ACS reagent		
Country of Origin	INDIA		
Declaration of Origin	synthetic		

BSE/TSE	
Chemical	

Result name	Specifications	Test Value
Appearance (Color)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Titration Complexometric	>=99.0 % (on dried substance)	99.4 % (on dried substance)
Heavy metals (ICP-OES)	=<0.001 %	=<0.001 %
Insoluble matter	=<0.01 % (in dilute HCl)	0.008 % (in dilute HCl)
Chloride (Cl)	=<0.001 %	=<0.001 %
Fluoride (F)	=<0.0015 %	=<0.0015 %
Sulfate (SO4)	=<0.01 %	=<0.01 %
Ammonium (NH4)	=<0.003 %	=<0.003 %
Barium (Ba)	=<0.01 %	0.00164 %
Iron (Fe)	=<0.003 %	=<0.003 %
Magnesium (Mg)	=<0.02 %	0.010341 %
Potassium (K)	=<0.01 %	0.001048 %
Sodium (Na)	=<0.1 %	0.07061 %
Strontium (Sr)	=<0.1 %	0.007741 %



C. Wygaerts, QA Manager

Issued: 08-03-2020

Acros Organics
ENA23, zone1, nr 1350, Janssen Pharmaceuticalaan 3a, B-2440 Geel, Belgium
Tel +32 14/57.52.11 - Fax+32 14/59.34.34 Internet:http://www.acros.com
1 Reagent Lane, Fair Lawn, NJ 07410, USA Fax 201-796-1329

3092515

ID: CaCO3_00004_00009

Exp 07/16/25 Prpd:R1K Opn:03/04/22

CaCO3-12%TC Second Source

FCG 3/4/22

Reagent

CaCO3_00012

Certificate of analysis

2450156
ID: CaCO3_00012
Exp:03/31/23 Prpd:JKM Opn:08/14/19
CaCO3-12%TC Second Source

Product No.: 36337

Product: Calcium carbonate, ACS, low in alkalies, 99.0% min

Lot No.: X15E030

Test	Limits	Results
Assay	99.5 % min	99.1 %
Insoluble in dilute HCl	0.01 % max	< 0.01 %
Chloride	0.001 % max	< 0.001 %
Fluoride	0.0015 % max	< 0.0008 %
Sulfate	0.005 % max	< 0.01 %
Ammonium	0.003 % max	< 0.003 %
Barium	0.01 %	< 0.01 %
Heavy metals (as Pb)	0.001 % max	< 0.001 %
Iron	0.002 % max	< 0.003 %
Magnesium	0.01 % max	0.003 %
Potassium	0.01 % max	< 0.01 %
Sodium	0.01 % max	< 0.1 %
Strontium	0.1 % max	< 0.1 %

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ThermoFisher SCIENTIFIC

Reagent

TOCS_LCS_00012

ERA
A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Nutrients in Soil
Catalog Number: 542
Lot No. D108-542
Certificate Issue Date: December 26, 2019
Expiration Date: July 26, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #542 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Ammonia as N	853	795	5.50	523 - 1070	456 - 1130
Total Kjeldahl Nitrogen	1510	1500	12.3	976 - 2030	827 - 2180
Total Organic Carbon (TOC)	4300	4370	6.86	1580 - 7150	1530 - 7200
Total Phosphorus	911	815	10.8	422 - 1210	185 - 1440

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Ammonia as N	853	795	93.3	39	-	-
Total Kjeldahl Nitrogen	1510	1500	99.7	33	-	-
Total Organic Carbon (TOC)	4300	4370	102	24	-	-
Total Phosphorus	911	815	89.4	55	-	-

2735864
ID: TOCS_LCS_00012
Exp: 01/31/22 Prpd: R1K
1540-7000 mg/kg TOC

Rev.1 10/21/20

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ T: 800.372.0122 ▪ 303.431.8454 ▪ www.eraqc.com

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

8. **Metrological Traceability**. This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job Number: 580-113240-1

SDG No.:

Project: D3593500 10606395

Client Sample ID	Lab Sample ID
FD02-042722-0-10	580-113240-1
BNSF-BG18-042722-0-10	580-113240-2
BNSF-BG19-042722-0-10	580-113240-3
BNSF-SG03-042722-0-5.5	580-113240-4

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: FD02-042722-0-10 Lab Sample ID: 580-113240-1

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG ID.:

Matrix: Solid Date Sampled: 04/27/2022 10:10

Reporting Basis: DRY Date Received: 04/30/2022 09:45

% Solids: 50.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon - Duplicates	30000	4000	190	mg/Kg		B	1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: FD02-042722-0-10 Lab Sample ID: 580-113240-1

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG ID.:

Matrix: Solid Date Sampled: 04/27/2022 10:10

Reporting Basis: DRY Date Received: 04/30/2022 09:45

% Solids: 50.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia as N	72	49	17	mg/Kg			1	EPA 350.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: BNSF-BG18-042722-0-10 Lab Sample ID: 580-113240-2

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG ID.:

Matrix: Solid Date Sampled: 04/27/2022 10:35

Reporting Basis: DRY Date Received: 04/30/2022 09:45

% Solids: 51.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon - Duplicates	19000	3900	190	mg/Kg		B	1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: BNSF-BG18-042722-0-10 Lab Sample ID: 580-113240-2

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG ID.:

Matrix: Solid Date Sampled: 04/27/2022 10:35

Reporting Basis: DRY Date Received: 04/30/2022 09:45

% Solids: 51.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia as N	56	48	17	mg/Kg			1	EPA 350.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: BNSF-BG19-042722-0-10 Lab Sample ID: 580-113240-3

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG ID.:

Matrix: Solid Date Sampled: 04/27/2022 11:05

Reporting Basis: DRY Date Received: 04/30/2022 09:45

% Solids: 78.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon - Duplicates	1600	2500	120	mg/Kg	J	B	1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: BNSF-BG19-042722-0-10 Lab Sample ID: 580-113240-3

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG ID.:

Matrix: Solid Date Sampled: 04/27/2022 11:05

Reporting Basis: DRY Date Received: 04/30/2022 09:45

% Solids: 78.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia as N	ND	30	11	mg/Kg			1	EPA 350.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: BNSF-SG03-042722-0-5.5 Lab Sample ID: 580-113240-4

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG ID.:

Matrix: Solid Date Sampled: 04/27/2022 12:00

Reporting Basis: DRY Date Received: 04/30/2022 09:45

% Solids: 68.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon - Duplicates	13000	2900	140	mg/Kg		B	1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: BNSF-SG03-042722-0-5.5 Lab Sample ID: 580-113240-4

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG ID.:

Matrix: Solid Date Sampled: 04/27/2022 12:00

Reporting Basis: DRY Date Received: 04/30/2022 09:45

% Solids: 68.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia as N	14	35	12	mg/Kg	J		1	EPA 350.1

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG No.:

Analyst: N1R Batch Start Date: 03/18/2022

Reporting Units: mg/Kg Analytical Batch No.: 390132

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	18:26	Total Organic Carbon - Duplicates	4350	4300	101	80-120		TOCS_LCS_00012
2	ICB	18:28	Total Organic Carbon - Duplicates	ND					
3	CCV	13:44	Total Organic Carbon - Duplicates	118000	120000	98	80-120		CaCO3_00004_00009
4	CCB	13:46	Total Organic Carbon - Duplicates	217				J	
13	CCV	14:19	Total Organic Carbon - Duplicates	119000	120000	99	80-120		CaCO3_00004_00009
14	CCB	14:21	Total Organic Carbon - Duplicates	ND					
26	CCV	15:09	Total Organic Carbon - Duplicates	119000	120000	99	80-120		CaCO3_00004_00009
27	CCB	15:12	Total Organic Carbon - Duplicates	193				J	
34	CCV	15:38	Total Organic Carbon - Duplicates	119000	120000	99	80-120		CaCO3_00004_00009
35	CCB	15:40	Total Organic Carbon - Duplicates	143				J	
44	CCV	16:12	Total Organic Carbon - Duplicates	119000	120000	99	80-120		CaCO3_00004_00009
45	CCB	16:14	Total Organic Carbon - Duplicates	151				J	
56	CCV	17:01	Total Organic Carbon - Duplicates	119000	120000	99	80-120		CaCO3_00004_00009
57	CCB	17:03	Total Organic Carbon - Duplicates	ND					

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 390132	Date: 05/10/2022 13:48						
9060A	MB 580-390132/5	Total Organic Carbon - Duplicates	ND		mg/Kg	2000	1
Batch ID: 390132	Date: 05/10/2022 15:42						
9060A	MB 580-390132/36	Total Organic Carbon - Duplicates	157	J	mg/Kg	2000	1
Batch ID: 390698	Date: 05/14/2022 21:37	Prep Batch: 390484	Date: 05/12/2022 19:48				
EPA 350.1	MB 580-390330/1-B	Ammonia as N	ND		mg/Kg	25	1

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 390132	Date: 05/10/2022 13:51										
						LCS Source: CaCO3_00012					
9060A	LCS 580-390132/6	Total Organic Carbon - Duplicates	118000		mg/Kg	120000	98	80-120	3	20	
Batch ID: 390132	Date: 05/10/2022 15:45										
						LCS Source: CaCO3_00012					
9060A	LCS 580-390132/37	Total Organic Carbon - Duplicates	115000		mg/Kg	120000	96	80-120	2	20	
Batch ID: 390698	Date: 05/14/2022 21:37	Prep Batch: 390484	Date: 05/12/2022 19:48								
						LCS Source: Ammonia Std_00019					
EPA 350.1	LCS 580-390330/2-B	Ammonia as N	51.5		mg/Kg	50.0	103	90-110			

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

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 390132 Date: 05/10/2022 13:54											
						LCSD Source: CaCO3_00012					
9060A	LCSD 580-390132/7	Total Organic Carbon - Duplicates	115000		mg/Kg	120000	96	80-120	3	20	
Batch ID: 390132 Date: 05/10/2022 15:48											
						LCSD Source: CaCO3_00012					
9060A	LCSD 580-390132/38	Total Organic Carbon - Duplicates	113000		mg/Kg	120000	94	80-120	2	20	

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY - SOLUBLE

Lab Name: Eurofins Seattle Job Number: 580-113240-1

SDG Number:

Matrix: Solid Instrument ID: TAC126

Method: EPA 350.1 MDL Date: 04/21/2021 07:54

Prep Method: Distill/Ammonia

Leach Method: DI Leach

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Ammonia as N		25	8.78

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY - SOLUBLE

Lab Name: Eurofins Seattle Job Number: 580-113240-1

SDG Number:

Matrix: Solid Instrument ID: TAC126

Method: EPA 350.1 XMDL Date: 10/08/2019 08:54

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Ammonia as N		1	0.3512

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job Number: 580-113240-1

SDG Number:

Matrix: Solid Instrument ID: TAC105

Method: 9060A MDL Date: 07/09/2019 14:51

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Total Organic Carbon - Duplicates		2000	96.7

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job Number: 580-113240-1

SDG Number:

Matrix: Solid Instrument ID: TAC105

Method: 9060A XMDL Date: 07/09/2019 14:51

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Total Organic Carbon - Duplicates		2000	96.7

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job Number: 580-113240-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 01/01/2005 13:13

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG No.:

Prep Method: Distill/Ammonia

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 580-390330/1-B	05/12/2022 19:48	390484		50	50
LCS 580-390330/2-B	05/12/2022 19:48	390484		50	50
580-113240-1	05/12/2022 19:48	390484		50	50
580-113240-2	05/12/2022 19:48	390484		50	50
580-113240-3	05/12/2022 19:48	390484		50	50
580-113240-4	05/12/2022 19:48	390484		50	50

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG No.:

Instrument ID: TAC126 Analysis Method: EPA 350.1

Start Date: 05/14/2022 21:37 End Date: 05/14/2022 21:37

Lab Sample Id	D/F	Type	Time	Analytes																								
				NH3																								
MB 580-390330/1-B	1	S	21:37	X																								
LCS 580-390330/2-B	1	S	21:37	X																								
ZZZZZZ			21:37																									
ZZZZZZ			21:37																									
ZZZZZZ			21:37																									
ZZZZZZ			21:37																									
ZZZZZZ			21:37																									
ZZZZZZ			21:37																									
ZZZZZZ			21:37																									
580-113240-1	1	S	21:37	X																								
580-113240-2	1	S	21:37	X																								
580-113240-3	1	S	21:37	X																								
580-113240-4	1	S	21:37	X																								
ZZZZZZ			21:37																									
ZZZZZZ			21:37																									
ZZZZZZ			21:37																									
ZZZZZZ			21:37																									
ZZZZZZ			21:37																									

Prep Types:
S = Soluble

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG No.:

Instrument ID: TAC105 Analysis Method: 9060A

Start Date: 03/18/2022 18:26 End Date: 05/10/2022 17:28

Lab Sample Id	D/F	Type	Time	Analytes																								
				TOCD																								
ICV 580-390132/1	1		18:26	X																								
ICB 580-390132/2	1		18:28	X																								
CCV 580-390132/3	1		13:44	X																								
CCB 580-390132/4	1		13:46	X																								
MB 580-390132/5	1	T	13:48	X																								
LCS 580-390132/6	1	T	13:51	X																								
LCSD 580-390132/7	1	T	13:54	X																								
ZZZZZZ			13:56																									
ZZZZZZ			14:01																									
ZZZZZZ			14:05																									
ZZZZZZ			14:09																									
ZZZZZZ			14:14																									
CCV 580-390132/13	1		14:19	X																								
CCB 580-390132/14	1		14:21	X																								
ZZZZZZ			14:24																									
ZZZZZZ			14:28																									
ZZZZZZ			14:32																									
ZZZZZZ			14:37																									
ZZZZZZ			14:41																									
ZZZZZZ			14:46																									
ZZZZZZ			14:50																									
ZZZZZZ			14:55																									
ZZZZZZ			15:00																									
ZZZZZZ			15:02																									
ZZZZZZ			15:04																									
CCV 580-390132/26	1		15:09	X																								
CCB 580-390132/27	1		15:12	X																								
ZZZZZZ			15:14																									
ZZZZZZ			15:18																									
ZZZZZZ			15:22																									
ZZZZZZ			15:27																									
CCV 580-390132/32			15:32																									
CCB 580-390132/33			15:34																									
CCV 580-390132/34	1		15:38	X																								
CCB 580-390132/35	1		15:40	X																								
MB 580-390132/36	1	T	15:42	X																								
LCS 580-390132/37	1	T	15:45	X																								
LCSD 580-390132/38	1	T	15:48	X																								
ZZZZZZ			15:50																									
ZZZZZZ			15:54																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG No.:

Instrument ID: TAC105 Analysis Method: 9060A

Start Date: 03/18/2022 18:26 End Date: 05/10/2022 17:28

Lab Sample Id	D/F	Type	Time	Analytes																									
				TOCD																									
ZZZZZZ			15:58																										
ZZZZZZ			16:03																										
ZZZZZZ			16:07																										
CCV 580-390132/44	1		16:12	X																									
CCB 580-390132/45	1		16:14	X																									
ZZZZZZ			16:16																										
ZZZZZZ			16:21																										
580-113240-1	1	T	16:25	X																									
580-113240-2	1	T	16:29	X																									
580-113240-3	1	T	16:33	X																									
580-113240-4	1	T	16:38	X																									
ZZZZZZ			16:42																										
ZZZZZZ			16:47																										
ZZZZZZ			16:51																										
ZZZZZZ			16:56																										
CCV 580-390132/56	1		17:01	X																									
CCB 580-390132/57	1		17:03	X																									
ZZZZZZ			17:06																										
ZZZZZZ			17:11																										
ZZZZZZ			17:13																										
ZZZZZZ			17:16																										
ZZZZZZ			17:20																										
CCV 580-390132/63			17:26																										
CCB 580-390132/64			17:28																										

Prep Types:
T = Total/NA

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG No.:

Instrument ID: NOEQUIP Analysis Method: Moisture

Start Date: 05/11/2022 11:50 End Date: 05/11/2022 11:53

Lab Sample Id	D/F	Type	Time	Analytes																									
				% Sol	Moist																								
ZZZZZZ			11:50																										
ZZZZZZ			11:50																										
ZZZZZZ			11:50																										
ZZZZZZ			11:50																										
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ZZZZZZ			11:50																										
ZZZZZZ			11:50																										
580-113240-1	1	T	11:50	X	X																								
580-113240-2	1	T	11:50	X	X																								
580-113240-3	1	T	11:50	X	X																								
580-113240-4	1	T	11:50	X	X																								
ZZZZZZ			11:50																										
ZZZZZZ			11:50																										
ZZZZZZ			11:50																										

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG No.:

Instrument ID: NOEQUIP Analysis Method: Moisture

Start Date: 05/11/2022 11:50 End Date: 05/11/2022 11:53

Lab Sample Id	D/F	Type	Time	Analytes																									
				% Sol	Moist																								
ZZZZZZ			11:50																										
ZZZZZZ			11:50																										
ZZZZZZ			11:50																										
ZZZZZZ			11:50																										
ZZZZZZ			11:50																										
ZZZZZZ			11:50																										
ZZZZZZ			11:53																										

Prep Types:
T = Total/NA

FORM XIII-IN

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG No.:

Batch Number: 390330 Batch Start Date: 05/11/22 22:39 Batch Analyst: Guerra, Fernando C

Batch Method: DI Leach Batch End Date: 05/12/22 19:46

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Ammonia Std 00019			
MB 580-390330/1		DI Leach, Distill/Ammonia, EPA 350.1		10 g	250 mL				
LCS 580-390330/2		DI Leach, Distill/Ammonia, EPA 350.1		10 g	250 mL	0.5 mL			
580-113240-A-1	FD02-042722-0-10	DI Leach, Distill/Ammonia, EPA 350.1	S	10.1024 g	250 mL				
580-113240-A-2	BNSF-BG18-042722-0-10	DI Leach, Distill/Ammonia, EPA 350.1	S	10.1331 g	250 mL				
580-113240-A-3	BNSF-BG19-042722-0-10	DI Leach, Distill/Ammonia, EPA 350.1	S	10.5408 g	250 mL				
580-113240-A-4	BNSF-SG03-042722-0-5.5	DI Leach, Distill/Ammonia, EPA 350.1	S	10.5754 g	250 mL				

Batch Notes	
Balance ID	SEA236
Blank Matrix ID	DI water
Tumble Start Time	05/12/2022 17:20
Tumble End Time	05/12/2022 19:38
Pipette/Syringe/Dispenser ID	WC 2E
Batch Comment	Weighed by FCG, Spiked by MT

Basis	Basis Description
S	Soluble

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG No.:

Batch Number: 390484 Batch Start Date: 05/12/22 19:48 Batch Analyst: Tanase, Michelle L

Batch Method: Distill/Ammonia Batch End Date: 05/14/22 21:36

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 580-390330/1-A		Distill/Ammonia, EPA 350.1		50 mL	50 mL				
LCS 580-390330/2-A		Distill/Ammonia, EPA 350.1		50 mL	50 mL				
580-113240-A-1-A	FD02-042722-0-10	Distill/Ammonia, EPA 350.1	S	50 mL	50 mL				
580-113240-A-2-A	BNSF-BG18-042722-0-10	Distill/Ammonia, EPA 350.1	S	50 mL	50 mL				
580-113240-A-3-A	BNSF-BG19-042722-0-10	Distill/Ammonia, EPA 350.1	S	50 mL	50 mL				
580-113240-A-4-A	BNSF-SG03-042722-0-5.5	Distill/Ammonia, EPA 350.1	S	50 mL	50 mL				

Batch Notes	
Blank Matrix ID	DI water
pH Indicator ID	2839642
Acid used for pH adjustment	3154574
Base used for pH adjustment	3118259
Buffer Reagent ID	3139694
Boiling Chips ID	3093959
Anti Foam ID	3090171
Sulfuric Acid Reagent ID Number	3154574
Pipette/Syringe/Dispenser ID	WC 5A, WC 10E
Distilliation Unit ID	AMM Dist Block 1
Distillation Start Time	2007
Distillation End Time	2140
Uncorrected Temperature	In: 209 Out: 203 Celsius

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG No.:

Batch Number: 390484 Batch Start Date: 05/12/22 19:48 Batch Analyst: Tanase, Michelle L

Batch Method: Distill/Ammonia Batch End Date: 05/14/22 21:36

Basis	Basis Description
S	Soluble

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG No.:

Batch Number: 390698 Batch Start Date: 05/14/22 21:37 Batch Analyst: Tanase, Michelle L

Batch Method: EPA 350.1 Batch End Date: 05/14/22 23:53

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 580-390330/1-B		EPA 350.1		50 mL	50 mL				
LCS 580-390330/2-B		EPA 350.1		50 mL	50 mL				
580-113240-A-1-B	FD02-042722-0-10	EPA 350.1	S	50 mL	50 mL				
580-113240-A-2-B	BNSF-BG18-042722-0-10	EPA 350.1	S	50 mL	50 mL				
580-113240-A-3-B	BNSF-BG19-042722-0-10	EPA 350.1	S	50 mL	50 mL				
580-113240-A-4-B	BNSF-SG03-042722-0-5.5	EPA 350.1	S	50 mL	50 mL				

Batch Notes	
Sodium Nitroprusside ID	3146568
Hypochlorite ID	3155796
Sodium Phenolate ID	Phenol/nitroferricyanide:3146569
EDTA Buffer ID	3155793
Carrier Identification	DI water
Pipette/Syringe/Dispenser ID	WC 0.2D, WC 2E, WC 10E
Batch Comment	NH3: 3062042 (ICV), 3158234 (CCV)

Basis	Basis Description
S	Soluble

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG No.:

Batch Number: 390132 Batch Start Date: 05/10/22 15:00 Batch Analyst: Ronk, Nicholas 1

Batch Method: 9060A Batch End Date: 05/10/22 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	Baked Sand 00149	CaCO3 00012	CaCO3_00004 00009	TOCS_LCS 00012		
ICV 580-390132/1		9060A					# g		
CCV 580-390132/3		9060A				# g			
CCB 580-390132/4		9060A		# g					
MB 580-390132/5		9060A		# g					
LCS 580-390132/6		9060A			# g				
LCSD 580-390132/7		9060A			# g				
CCV 580-390132/13		9060A				# g			
CCB 580-390132/14		9060A		# g					
CCV 580-390132/26		9060A				# g			
CCB 580-390132/27		9060A		# g					
CCV 580-390132/34		9060A				# g			
CCB 580-390132/35		9060A		# g					
MB 580-390132/36		9060A		# g					
LCS 580-390132/37		9060A			# g				
LCSD 580-390132/38		9060A			# g				
CCV 580-390132/44		9060A				# g			
CCB 580-390132/45		9060A		# g					
CCV 580-390132/56		9060A				# g			
CCB 580-390132/57		9060A		# g					

Batch Notes	
Pipette/Syringe/Dispenser ID	SEA224

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG No.:

Batch Number: 390132 Batch Start Date: 05/10/22 15:00 Batch Analyst: Ronk, Nicholas 1

Batch Method: 9060A Batch End Date: 05/10/22 18:00

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-113240-1

SDG No.:

Batch Number: 390214 Batch Start Date: 05/11/22 11:50 Batch Analyst: McKell, Justin S

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry	%_Moisture	%_Solid	
580-113240-A-1	FD02-042722-0-10	Moisture	T	00000.70 g	00006.59 g	00003.68 g	49.405772495755 %	50.594227504244 %	
580-113240-A-2	BNSF-BG18-042722-0-10	Moisture	T	00000.64 g	00006.44 g	00003.62 g	48.620689655172 4 %	51.379310344827 6 %	
580-113240-A-3	BNSF-BG19-042722-0-10	Moisture	T	00000.64 g	00005.77 g	00004.67 g	21.442495126705 7 %	78.557504873294 3 %	
580-113240-A-4	BNSF-SG03-042722-0-5.5	Moisture	T	00000.68 g	00004.84 g	00003.52 g	31.730769230769 2 %	68.269230769230 8 %	

Batch Notes	
Balance ID	sea225
Oven ID	microwave
Date samples were placed in the oven	05/11/2022
Time samples were place in the oven	12:16
Date samples were removed from oven	05/11/2022
Time Samples were removed from oven	14:46

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Batch: 390698 **Analyst Initials: MLT**

Method: EPA 350.1 **Instrument: Astoria Pacific rAPID T**

Lab Sample ID: MB 580-390330/1-B **Analysis Date: May 14, 2022 21:37**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Ammonia as N	None	1	0.22	mg/L	50 mL	50 mL

Lab Sample ID: LCS 580-390330/2-B **Analysis Date: May 14, 2022 21:37**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Ammonia as N	None	1	2.06	mg/L	50 mL	50 mL

Lab Sample ID: 580-113240-A-1-B **Analysis Date: May 14, 2022 21:37**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Ammonia as N	None	1	1.48	mg/L	50 mL	50 mL

Lab Sample ID: 580-113240-A-2-B **Analysis Date: May 14, 2022 21:37**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Ammonia as N	None	1	1.17	mg/L	50 mL	50 mL

Lab Sample ID: 580-113240-A-3-B **Analysis Date: May 14, 2022 21:37**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Ammonia as N	None	1	0.31	mg/L	50 mL	50 mL

Lab Sample ID: 580-113240-A-4-B **Analysis Date: May 14, 2022 21:37**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Ammonia as N	None	1	0.41	mg/L	50 mL	50 mL

mt 5/14/22
Batch: ~~390484~~ 390698

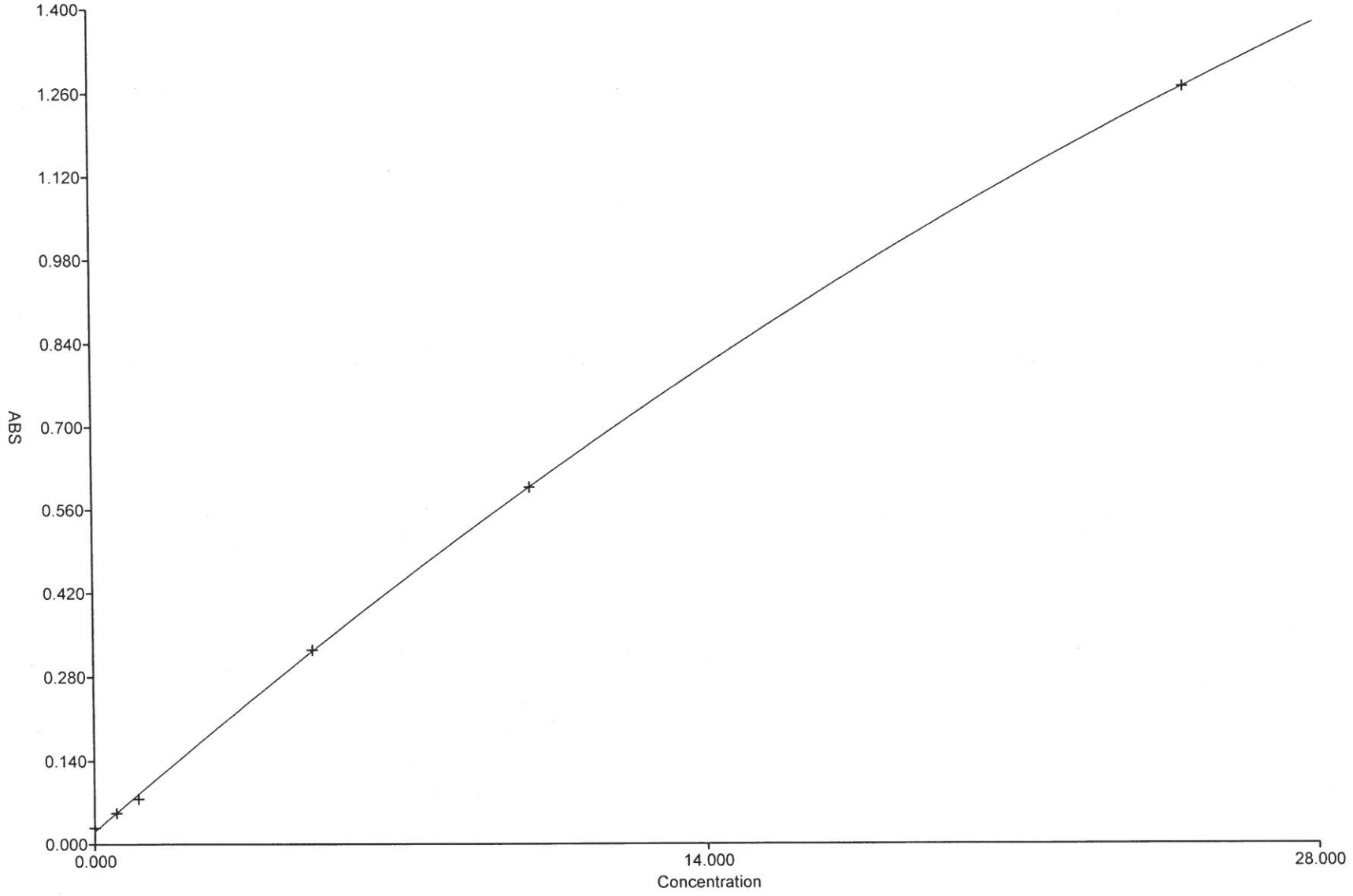
	Sample Info			Ammonia, High Level (T023)					
Row	Cup	ID	Comment	Abs	ppm	Status	Well	Date	Time
1	C1	NH3 0.0		0.028	0.10	Crv	A02	5/12/2022	10:23:01 PM
2	C2	NH3 0.5		0.053	0.50		A03	5/12/2022	10:25:48 PM
3	C3	NH3 1.0		0.076	0.88		A04	5/12/2022	10:28:37 PM
4	C4	NH3 5.0		0.325	5.03		A05	5/12/2022	10:31:30 PM
5	C5	NH3 10.0		0.599	10.00		B02	5/12/2022	10:34:21 PM
6	C6	NH3 25.0		1.271	25.00		B03	5/12/2022	10:37:35 PM
7	CC1	CCV		0.325	5.03		B04	5/12/2022	10:40:42 PM
8	CC5	CCB		0.027	0.08		B05	5/12/2022	10:43:53 PM
9	11	ICV		0.145	2.00		C02	5/12/2022	10:47:03 PM
10	12	ICB		0.030	0.13		C03	5/12/2022	10:50:05 PM
11	13	MB		0.035	0.22		C04	5/12/2022	10:53:04 PM
12	14	LCS		0.149	2.06		C05	5/12/2022	10:56:14 PM
13	15	239-1		0.070	0.78		D02	5/12/2022	10:59:26 PM
14	16	239-1 DU		0.065	0.69		D03	5/12/2022	11:02:34 PM
15	17	239-1 MS		0.153	2.13		D04	5/12/2022	11:05:34 PM
16	18	239-1 MSD		0.160	2.24		D05	5/12/2022	11:08:36 PM
17	CC1	CCV		0.327	5.06		E02	5/12/2022	11:11:46 PM
18	CC5	CCB		0.032	0.17		E03	5/12/2022	11:14:57 PM
19	19	239-2		0.062	0.64		E04	5/12/2022	11:18:03 PM
20	20	239-3		0.039	0.28		E05	5/12/2022	11:21:06 PM
21	21	239-4		0.114	1.49		F02	5/12/2022	11:24:07 PM
22	22	240-1		0.113	1.48		F03	5/12/2022	11:27:21 PM
23	23	240-2		0.094	1.17		F04	5/12/2022	11:30:25 PM
24	24	240-3		0.041	0.31		F05	5/12/2022	11:33:28 PM
25	25	240-4		0.047	0.41		G02	5/12/2022	11:36:28 PM
~~26~~	~~26~~	~~470-1~~		~~1.971~~	~~???~~	~~OS,AR~~	~~G03~~	~~5/12/2022~~	~~11:39:42 PM~~
27	CC1	CCV		0.321	4.96		G04	5/12/2022	11:42:48 PM
28	CC5	CCB		0.029	0.11		G05	5/12/2022	11:45:51 PM
29	27	421-1		0.032	0.16		H02	5/12/2022	11:48:50 PM
30	28	421-3		0.034	0.19		H03	5/12/2022	11:52:01 PM
31	29	225-1 - 4	FCG 5/13/22	0.996	18.22		H04	5/12/2022	11:55:08 PM
~~32~~	~~30~~	~~288-8~~		~~1.649~~	~~???~~	~~OS,AR~~	~~H05~~	~~5/12/2022~~	~~11:58:13 PM~~
33	CC1	CCV		0.330	5.11		A02	5/13/2022	12:16:20 AM
34	CC5	CCB		0.027	0.09		A03	5/13/2022	12:19:11 AM
~~35~~	~~31~~	~~470-1~~	~~10X~~	~~1.986~~	~~???~~	~~OS,AR~~	~~A04~~	~~5/13/2022~~	~~12:22:02 AM~~
36	32	288-8	10X , PT	0.232	3.45		A05	5/13/2022	12:24:52 AM
37	CC1	CCV		0.328	5.08		B02	5/13/2022	12:27:43 AM
38	CC5	CCB		0.028	0.11		B03	5/13/2022	12:30:57 AM
~~39~~	~~CC1~~	~~CCV~~		~~0.327~~	~~5.06~~		~~B04~~	~~5/13/2022~~	~~12:23:16 PM~~
40	CC5	CCB		0.028	0.10		B05	5/13/2022	12:26:01 PM
41	31	470-1	10X	0.266	4.02	AE	C02	5/13/2022	12:28:50 PM
42	33	470-1	100X	0.055	0.53		C03	5/13/2022	12:31:42 PM
43	CC1	CCV		0.323	5.00		C04	5/13/2022	12:34:34 PM
44	CC5	CCB		0.021	-0.02	BR	C05	5/13/2022	12:37:46 PM

Rerun at 10X

Rerun at 10X

mt 5/14/22
~~Rerun at 10X~~

mt 5/14/22



Segment 1: Equation: y = -0.0005167x^2 + 0.06288x + 0.02159
Correlation: 0.99996 RSE: 1%

X Range = 0.000 to 28.000
Y Range = 0.022 to 1.377

	Sample Info			Ammonia, High Level (T023)					
Row	Cup	ID	Comment	Abs	ppm	Status	Well	Date	Time
1	C1	NH3 0.0		0.022	0.07	Crv	A02	5/17/2022	3:57:40 PM
2	C2	NH3 0.5		0.063	0.59		A03	5/17/2022	4:00:26 PM
3	C3	NH3 1.0		0.085	0.86		A04	5/17/2022	4:03:15 PM
4	C4	NH3 5.0		0.392	4.90		A05	5/17/2022	4:06:08 PM
5	C5	NH3 10.0		0.763	10.09		B02	5/17/2022	4:08:59 PM
6	C6	NH3 25.0		1.674	24.99		B03	5/17/2022	4:12:31 PM
7	CC1	CCV		0.395	4.93		B04	5/17/2022	4:15:36 PM
8	CC5	CCB		0.027	0.12		B05	5/17/2022	4:18:32 PM
9	11	ICV		0.181	2.11		C02	5/17/2022	4:21:28 PM
10	12	ICB		0.032	0.19		C03	5/17/2022	4:24:18 PM
11	13	515-1	20X	0.457	5.78		C04	5/17/2022	4:27:12 PM
12	14	470-1	10X	0.335	4.13		C05	5/17/2022	4:30:14 PM
13	15	404-1 TEST		0.029	0.16		D02	5/17/2022	4:33:14 PM
14	16	404-1 W/SPIKE		0.110	1.18		D03	5/17/2022	4:36:39 PM
15	17	404-1 MS TEST		0.051	0.43		D04	5/17/2022	4:39:33 PM
16	18	404-1 MS W/SPIKE		0.160	1.83		D05	5/17/2022	4:42:34 PM
17	CC1	CCV		0.395	4.93		E02	5/17/2022	4:45:43 PM
18	CC5	CCB		0.033	0.21		E03	5/17/2022	4:49:00 PM
19	CC1	CCV		0.389	4.86		E04	5/17/2022	5:37:32 PM
20	CC5	CCB		0.020	0.04		E05	5/17/2022	5:40:19 PM
21	19	404-1 MSD w/spike		0.150	1.71		F02	5/17/2022	5:43:09 PM
22	CC1	CCV		0.398	4.97		F03	5/17/2022	5:46:05 PM
23	CC5	CCB		0.039	0.28		F04	5/17/2022	5:48:51 PM

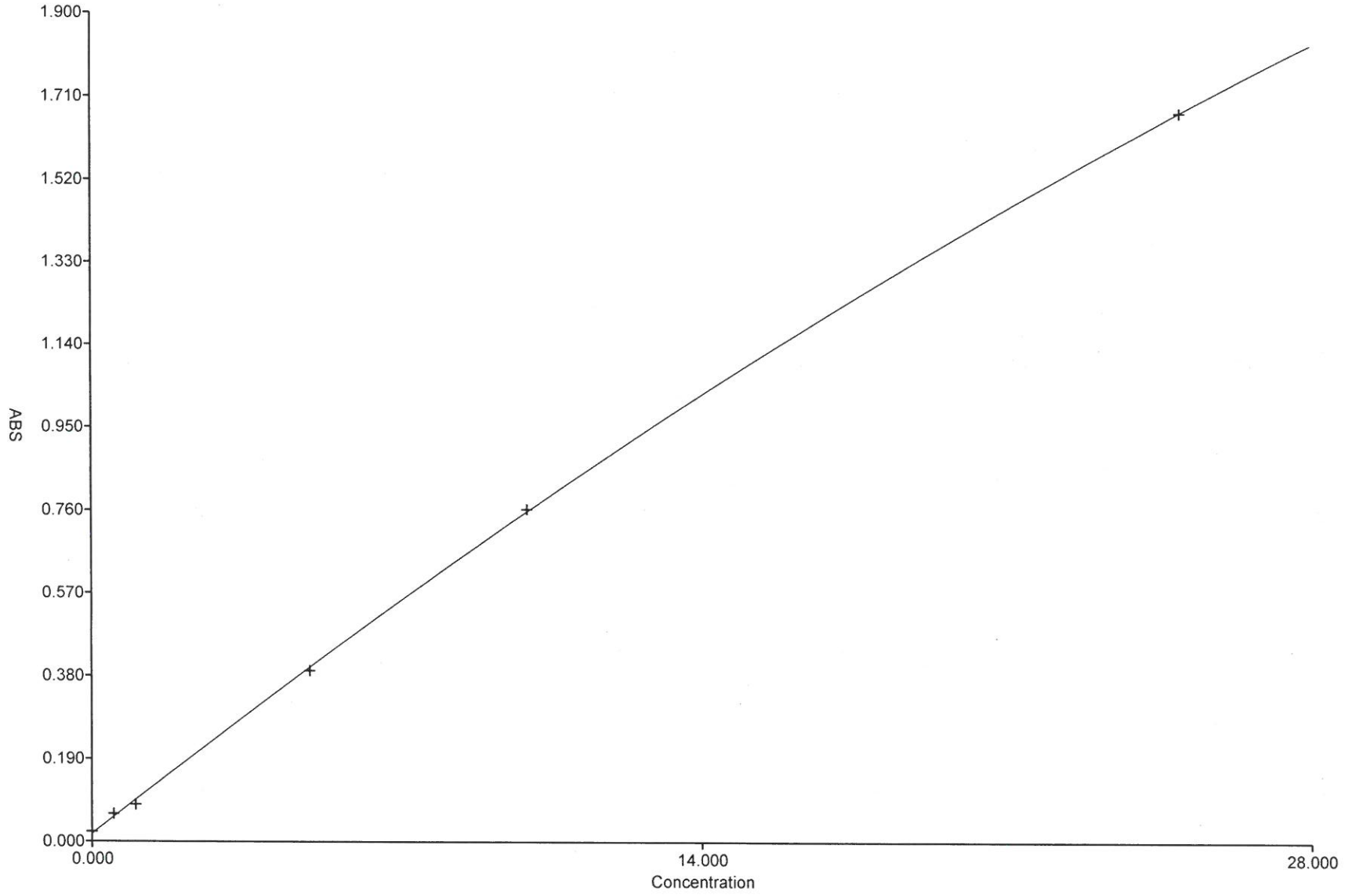
Batch 390696

Batch 390698

Batch 389863

Batch 389863

5/17/22



Segment 1: Equation: y = -0.0005108x^2 + 0.07910x + 0.01691 X Range = 0.000 to 28.000
Correlation: 0.99993 RSE: 13% Y Range = 0.017 to 1.831

SC632 3/15/22 TOC SOIL CAL

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
Blank	1126.0		1.0000	TA SOIL LINNEAR	3/12/2022 12:11:17 PM	-0.00000004585	A07

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
2450155	1451030		0.2506	TA SOIL LINNEAR	3/12/2022 12:14:29 PM	11.72	A08
2450155	1177768		0.2010	TA SOIL LINNEAR	3/12/2022 12:16:59 PM	11.85	A09
2450155	888162		0.1495	TA SOIL LINNEAR	3/12/2022 12:19:25 PM	12.01	A10
2450155	615185		0.1009	TA SOIL LINNEAR	3/12/2022 12:21:59 PM	12.32	A01
2450155	457663		0.0742	TA SOIL LINNEAR	3/12/2022 12:24:31 PM	12.46	A02
2450155	163681		0.0253	TA SOIL LINNEAR	3/12/2022 12:26:45 PM	13.01	A03
Average			0.1336			12.23	
Std. Deviation			0.08			0.474	
RSD			62.46			3.874	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
ICV 2735864	54587		0.2001	TA SOIL LINNEAR	3/15/2022 4:03:45 PM	0.5153	A01

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
ICB	2280.0		0.2007	TA SOIL LINNEAR	3/15/2022 4:05:56 PM	0.007354	A02

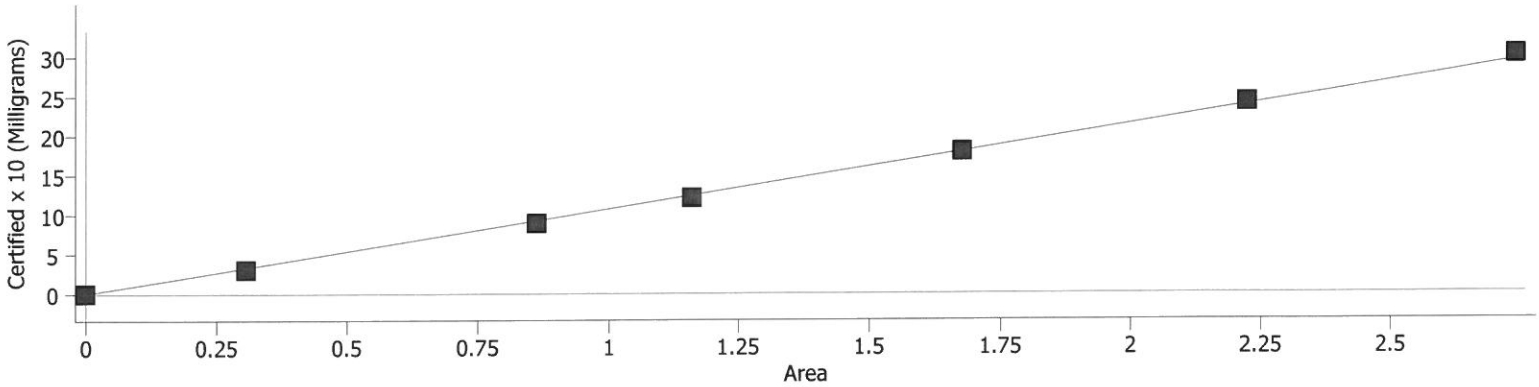
SC632

TA SOIL LINNEAR Calibration - Read Only

CO2 Low (range: 0.000000 to 30.072000 mg)

Previous Calibration:
y= +1.07104x + 0.000345869
Date: 3/12/2022 12:27:51 PM

New Calibration:
y= +1.07104x + 0.000345869
Curve Type: Linear
Weighting: 1 / Certified
RMS Error: 0.0012198



Row	Standard	Drift	Mass	Certified	Calculated	Error %	Prev Err %	Peak	Peak Area	Weighting	Date	Range	Saturated
1	Blank	0	1.0000	0.000	0.000000045	100.00	100.00	6.1098	-0.00032297	2.5000E+6	03/12/22 12:11 PM	Low	No
2	2450155	0	0.25060	12.000	11.715	-2.3711	-2.3711	2707.6	2.7408	0.33254	03/12/22 12:14 PM	Low	No
3	2450155	1	0.20100	12.000	11.854	-1.2201	-1.2201	2408.8	2.2242	0.41459	03/12/22 12:16 PM	Low	No
4	2450155	0	0.14950	12.000	12.014	0.11992	0.11992	2103.5	1.6767	0.55741	03/12/22 12:19 PM	Low	No
5	2450155	0	0.10090	12.000	12.323	2.6926	2.6926	1478.2	1.1606	0.82590	03/12/22 12:21 PM	Low	No
6	2450155	0	0.074200	12.000	12.459	3.8227	3.8227	1115.8	0.86280	1.1231	03/12/22 12:24 PM	Low	No
7	2450155	0	0.025300	12.000	13.010	8.4179	8.4179	493.53	0.30700	3.2938	03/12/22 12:26 PM	Low	No

SC632

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
ICV 2735864	46786		0.2021	TA SOIL LINNEAR	3/18/2022 6:26:29 PM	0.4352	A01

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
ICB	1514.5		0.2002	TA SOIL LINNEAR	3/18/2022 6:28:40 PM	-0.00005695	A02

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV 3092515	1163109		0.2020	TA SOIL LINNEAR	5/10/2022 1:44:20 PM	11.81	A01
CCV 3092515	1182782		0.2039	TA SOIL LINNEAR	5/10/2022 2:19:43 PM	11.90	B06
CCV 3092515	1183775		0.2043	TA SOIL LINNEAR	5/10/2022 3:09:53 PM	11.89	D08
CCV 3092515	1187525		0.2046	TA SOIL LINNEAR	5/10/2022 3:32:00 PM	11.91	E08
CCV 3092515	1212574		0.2085	TA SOIL LINNEAR	5/10/2022 3:38:11 PM	11.93	A01
CCV 3092515	1175237		0.2026	TA SOIL LINNEAR	5/10/2022 4:12:15 PM	11.90	B06
CCV 3092515	1191854		0.2060	TA SOIL LINNEAR	5/10/2022 5:01:30 PM	11.87	D08
CCV 3092515	1164669		0.2017	TA SOIL LINNEAR	5/10/2022 5:26:07 PM	11.85	E08
Average			0.2042			11.88	
Std. Deviation			0.002			0.038	
RSD			1.105			0.321	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB 3117971	4848.5		0.2039	TA SOIL LINNEAR	5/10/2022 1:46:35 PM	0.02172	A02
CCB 3117971	1959.2		0.2008	TA SOIL LINNEAR	5/10/2022 2:21:54 PM	-0.007536	B07
CCB 3117971	4633.5		0.2062	TA SOIL LINNEAR	5/10/2022 3:12:06 PM	0.01933	D09
CCB 3117971	3446.7		0.2035	TA SOIL LINNEAR	5/10/2022 3:34:12 PM	0.007593	E09
CCB 3117971	4130.4		0.2061	TA SOIL LINNEAR	5/10/2022 3:40:24 PM	0.01432	A02
CCB 3117971	4195.1		0.2037	TA SOIL LINNEAR	5/10/2022 4:14:26 PM	0.01514	B07
CCB 3117971	2326.4		0.2027	TA SOIL LINNEAR	5/10/2022 5:03:43 PM	-0.003741	D09

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Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB 3117971	3398.5		0.2069	TA SOIL LINNEAR	5/10/2022 5:28:18 PM	0.006990	E09
Average			0.2042			0.009226	
Std. Deviation			0.002			0.010527	
RSD			1.006			114.1	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
MB 3117971	2907.6		0.2053	TA SOIL LINNEAR	5/10/2022 1:48:46 PM	0.002128	A03
MB 3117971	4279.1		0.2074	TA SOIL LINNEAR	5/10/2022 3:42:35 PM	0.01570	A03
Average			0.2064			0.008916	
Std. Deviation			0.001			0.0095997	
RSD			0.720			107.7	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
LCS 2450156	1192167		0.2079	TA SOIL LINNEAR	5/10/2022 1:51:35 PM	11.76	A04
LCS 2450156	1154875		0.2064	TA SOIL LINNEAR	5/10/2022 3:45:12 PM	11.48	A04
Average			0.2072			11.62	
Std. Deviation			0.001			0.202	
RSD			0.512			1.740	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
LCSD 2450156	1118540		0.2003	TA SOIL LINNEAR	5/10/2022 1:54:27 PM	11.46	A05
LCSD 2450156	1117903		0.2036	TA SOIL LINNEAR	5/10/2022 3:48:04 PM	11.26	A05
Average			0.2020			11.36	
Std. Deviation			0.002			0.136	
RSD			1.155			1.196	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113025-C-12	984990		0.2086	TA SOIL LINNEAR	5/10/2022 1:56:41 PM	9.683	A06
580-113025-C-12	1047214		0.2028	TA SOIL LINNEAR	5/10/2022 1:58:52 PM	10.59	A07
Average			0.2057			10.14	
Std. Deviation			0.004			0.642	
RSD			1.994			6.333	

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Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113025-C-13	283938		0.2026	TA SOIL LINNEAR	5/10/2022 2:01:04 PM	2.854	A08
580-113025-C-13	397094		0.2077	TA SOIL LINNEAR	5/10/2022 2:03:15 PM	3.905	A09
Average			0.2052			3.379	
Std. Deviation			0.004			0.7426	
RSD			1.758			21.97	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113025-C-14	376733		0.2083	TA SOIL LINNEAR	5/10/2022 2:05:28 PM	3.692	A10
580-113025-C-14	365186		0.2041	TA SOIL LINNEAR	5/10/2022 2:07:43 PM	3.652	B01
Average			0.2062			3.672	
Std. Deviation			0.003			0.0285	
RSD			1.440			0.777	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113025-C-15	917648		0.2063	TA SOIL LINNEAR	5/10/2022 2:09:54 PM	9.120	B02
580-113025-C-15	736708		0.2029	TA SOIL LINNEAR	5/10/2022 2:12:05 PM	7.439	B03
Average			0.2046			8.279	
Std. Deviation			0.002			1.1886	
RSD			1.175			14.36	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
570-93645-T-1	12637		0.2037	TA SOIL LINNEAR	5/10/2022 2:14:27 PM	0.1004	B04
570-93645-T-1	16265		0.2027	TA SOIL LINNEAR	5/10/2022 2:16:52 PM	0.1377	B05
Average			0.2032			0.1190	
Std. Deviation			0.0007			0.02637	

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Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
RSD			0.348			22.16	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113235-A-1	8779.1		0.2070	TA SOIL LINNEAR	5/10/2022 2:24:06 PM	0.06043	B08
580-113235-A-1	6406.0		0.2018	TA SOIL LINNEAR	5/10/2022 2:26:23 PM	0.03781	B09
Average			0.2044			0.04912	
Std. Deviation			0.004			0.015997	
RSD			1.799			32.57	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113021-B-3	155556		0.2082	TA SOIL LINNEAR	5/10/2022 2:28:35 PM	1.510	B10
580-113021-B-3	153936		0.2017	TA SOIL LINNEAR	5/10/2022 2:30:47 PM	1.542	C01
Average			0.2050			1.526	
Std. Deviation			0.005			0.0227	
RSD			2.243			1.489	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113021-B-6	338869		0.2037	TA SOIL LINNEAR	5/10/2022 2:32:58 PM	3.394	C02
580-113021-B-6	258380		0.2024	TA SOIL LINNEAR	5/10/2022 2:35:09 PM	2.598	C03
Average			0.2031			2.996	
Std. Deviation			0.0009			0.5628	
RSD			0.453			18.79	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113021-B-11	1287970		0.2039	TA SOIL LINNEAR	5/10/2022 2:37:20 PM	12.96	C04
580-113021-B-11	1383807		0.2075	TA SOIL LINNEAR	5/10/2022 2:39:32 PM	13.69	C05
Average			0.2057			13.32	
Std. Deviation			0.003			0.513	
RSD			1.238			3.847	

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Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113021-C-12	741715		0.2087	TA SOIL LINNEAR	5/10/2022 2:41:45 PM	7.281	C06
580-113021-C-12	791221		0.2070	TA SOIL LINNEAR	5/10/2022 2:43:56 PM	7.833	C07
Average			0.2078			7.557	
Std. Deviation			0.001			0.3900	
RSD			0.578			5.161	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113169-D-1	7365.2		0.2081	TA SOIL LINNEAR	5/10/2022 2:46:10 PM	0.04614	C08
580-113169-D-1	4216.8		0.2081	TA SOIL LINNEAR	5/10/2022 2:48:21 PM	0.01504	C09
Average			0.2081			0.03059	
Std. Deviation			0			0.021998	
RSD			0.000			71.91	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113170-A-1	13599		0.2054	TA SOIL LINNEAR	5/10/2022 2:50:37 PM	0.1092	C10
580-113170-A-1	14918		0.2076	TA SOIL LINNEAR	5/10/2022 2:52:56 PM	0.1211	D01
Average			0.2065			0.1151	
Std. Deviation			0.002			0.00842	
RSD			0.753			7.311	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
DU 580-113170-A-1	14601		0.2087	TA SOIL LINNEAR	5/10/2022 2:55:15 PM	0.1173	D02
DU 580-113170-A-1	15487		0.2033	TA SOIL LINNEAR	5/10/2022 2:57:35 PM	0.1294	D03
Average			0.2060			0.1233	
Std. Deviation			0.004			0.00853	

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Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
RSD			1.854			6.918	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
MS 580-113170-A-1	607336	0.1047	0.1026	TA SOIL LINNEAR	5/10/2022 3:00:08 PM	12.12	D04

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
MSD 580-113170-A-1	615521	0.1064	0.1018	TA SOIL LINNEAR	5/10/2022 3:02:42 PM	12.38	D05

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113169-D-2	7540.3		0.2036	TA SOIL LINNEAR	5/10/2022 3:04:54 PM	0.04893	D06
580-113169-D-2	5511.3		0.2045	TA SOIL LINNEAR	5/10/2022 3:07:05 PM	0.02832	D07
Average			0.2041			0.03862	
Std. Deviation			0.0006			0.014578	
RSD			0.312			37.74	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113169-D-3	7628.3		0.2025	TA SOIL LINNEAR	5/10/2022 3:14:17 PM	0.05009	D10
580-113169-D-3	5932.8		0.2054	TA SOIL LINNEAR	5/10/2022 3:16:28 PM	0.03241	E01
Average			0.2040			0.04125	
Std. Deviation			0.002			0.012502	
RSD			1.005			30.31	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113169-D-4	8658.2		0.2039	TA SOIL LINNEAR	5/10/2022 3:18:26 PM	0.06013	E02

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Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113169-D-4	6753.0		0.2043	TA SOIL LINNEAR	5/10/2022 3:20:37 PM	0.04084	E03
Average			0.2041			0.05049	
Std. Deviation			0.0003			0.013643	
RSD			0.139			27.02	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113169-D-5	8318.6		0.2016	TA SOIL LINNEAR	5/10/2022 3:22:48 PM	0.05736	E04
580-113169-D-5	6950.7		0.2030	TA SOIL LINNEAR	5/10/2022 3:24:59 PM	0.04311	E05
Average			0.2023			0.05023	
Std. Deviation			0.0010			0.010078	
RSD			0.489			20.06	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113169-D-6	6324.8		0.2052	TA SOIL LINNEAR	5/10/2022 3:27:10 PM	0.03637	E06
580-113169-D-6	9161.4		0.2039	TA SOIL LINNEAR	5/10/2022 3:29:21 PM	0.06521	E07
Average			0.2046			0.05079	
Std. Deviation			0.0009			0.020392	
RSD			0.449			40.15	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113239-A-2	51845		0.2060	TA SOIL LINNEAR	5/10/2022 3:50:16 PM	0.4906	A06
580-113239-A-2	43413		0.2068	TA SOIL LINNEAR	5/10/2022 3:52:28 PM	0.4049	A07
Average			0.2064			0.4477	
Std. Deviation			0.0006			0.06062	
RSD			0.274			13.54	

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Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113239-A-1	92140		0.2026	TA SOIL LINNEAR	5/10/2022 3:54:39 PM	0.9078	A08
580-113239-A-1	120712		0.2044	TA SOIL LINNEAR	5/10/2022 3:56:34 PM	1.187	A09
Average			0.2035			1.048	
Std. Deviation			0.001			0.1976	
RSD			0.625			18.86	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113239-A-3	7116.6		0.2077	TA SOIL LINNEAR	5/10/2022 3:58:45 PM	0.04377	A10
580-113239-A-3	6377.5		0.2067	TA SOIL LINNEAR	5/10/2022 4:00:57 PM	0.03663	B01
Average			0.2072			0.04020	
Std. Deviation			0.0007			0.005049	
RSD			0.341			12.56	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113239-A-4	191825		0.2077	TA SOIL LINNEAR	5/10/2022 4:03:08 PM	1.872	B02
580-113239-A-4	148950		0.2051	TA SOIL LINNEAR	5/10/2022 4:05:19 PM	1.466	B03
Average			0.2064			1.669	
Std. Deviation			0.002			0.2872	
RSD			0.891			17.20	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113238-A-1	9090.5		0.2072	TA SOIL LINNEAR	5/10/2022 4:07:30 PM	0.06347	B04
580-113238-A-1	8554.4		0.2030	TA SOIL LINNEAR	5/10/2022 4:09:41 PM	0.05935	B05
Average			0.2051			0.06141	
Std. Deviation			0.003			0.002911	
RSD			1.448			4.740	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
590-17421-A-1	67793		0.2097	TA SOIL LINNEAR	5/10/2022 4:16:41 PM	0.6383	B08

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Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
590-17421-A-1	60306		0.2018	TA SOIL LINNEAR	5/10/2022 4:18:52 PM	0.5870	B09
Average			0.2058			0.6127	
Std. Deviation			0.006			0.03628	
RSD			2.715			5.921	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
590-17421-A-3	74858		0.2048	TA SOIL LINNEAR	5/10/2022 4:21:03 PM	0.7245	B10
590-17421-A-3	83879		0.2021	TA SOIL LINNEAR	5/10/2022 4:23:14 PM	0.8260	C01
Average			0.2035			0.7753	
Std. Deviation			0.002			0.07175	
RSD			0.938			9.255	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113240-A-1	154941		0.2035	TA SOIL LINNEAR	5/10/2022 4:25:25 PM	1.538	C02
580-113240-A-1	154998		0.2037	TA SOIL LINNEAR	5/10/2022 4:27:24 PM	1.537	C03
Average			0.2036			1.538	
Std. Deviation			0.0001			0.0007	
RSD			0.069			0.043	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113240-A-2	103211		0.2033	TA SOIL LINNEAR	5/10/2022 4:29:35 PM	1.017	C04
580-113240-A-2	101462		0.2082	TA SOIL LINNEAR	5/10/2022 4:31:46 PM	0.9755	C05
Average			0.2058			0.9961	
Std. Deviation			0.003			0.02914	
RSD			1.684			2.925	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113240-A-3	14168		0.2015	TA SOIL LINNEAR	5/10/2022 4:33:57 PM	0.1171	C06
580-113240-A-3	15631		0.2012	TA SOIL LINNEAR	5/10/2022 4:36:08 PM	0.1322	C07
Average			0.2014			0.1246	

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Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
Std. Deviation			0.0002			0.01070	
RSD			0.105			8.582	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113240-A-4	110908		0.2039	TA SOIL LINNEAR	5/10/2022 4:38:19 PM	1.091	C08
580-113240-A-4	71979		0.2085	TA SOIL LINNEAR	5/10/2022 4:40:32 PM	0.6833	C09
Average			0.2062			0.8873	
Std. Deviation			0.003			0.28850	
RSD			1.577			32.52	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113343-A-1	574650		0.2027	TA SOIL LINNEAR	5/10/2022 4:42:44 PM	5.802	C10
580-113343-A-1	634028		0.2057	TA SOIL LINNEAR	5/10/2022 4:44:55 PM	6.311	D01
Average			0.2042			6.057	
Std. Deviation			0.002			0.3599	
RSD			1.039			5.942	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113343-A-2	476966		0.2046	TA SOIL LINNEAR	5/10/2022 4:47:06 PM	4.766	D02
580-113343-A-2	384876		0.2018	TA SOIL LINNEAR	5/10/2022 4:49:18 PM	3.894	D03
Average			0.2032			4.330	
Std. Deviation			0.002			0.6167	
RSD			0.974			14.24	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113343-A-3	956057		0.2036	TA SOIL LINNEAR	5/10/2022 4:51:30 PM	9.628	D04
580-113343-A-3	665819		0.2016	TA SOIL LINNEAR	5/10/2022 4:53:45 PM	6.764	D05
Average			0.2026			8.196	
Std. Deviation			0.001			2.0257	
RSD			0.698			24.72	

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Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113288-A-8	59834		0.2004	TA SOIL LINNEAR	5/10/2022 4:56:11 PM	0.5863	D06
580-113288-A-8	60021		0.2067	TA SOIL LINNEAR	5/10/2022 4:58:36 PM	0.5703	D07
Average			0.2036			0.5783	
Std. Deviation			0.004			0.01132	
RSD			2.189			1.957	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
DU 580-113288-A-8	62217		0.2086	TA SOIL LINNEAR	5/10/2022 5:06:07 PM	0.5867	D10
DU 580-113288-A-8	60168		0.2084	TA SOIL LINNEAR	5/10/2022 5:08:32 PM	0.5671	E01
Average			0.2085			0.5769	
Std. Deviation			0.0001			0.01390	
RSD			0.068			2.409	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
MS 580-113288-A-8	651833	0.1011	0.1034	TA SOIL LINNEAR	5/10/2022 5:11:25 PM	12.91	E02

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
MSD 580-113288-A-8	629718	0.1044	0.1021	TA SOIL LINNEAR	5/10/2022 5:13:56 PM	12.63	E03

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113275-A-1	6091.6		0.2039	TA SOIL LINNEAR	5/10/2022 5:16:12 PM	0.03425	E04
580-113275-A-1	7710.1		0.2072	TA SOIL LINNEAR	5/10/2022 5:18:33 PM	0.04977	E05
Average			0.2056			0.04201	
Std. Deviation			0.002			0.010972	
RSD			1.135			26.12	

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Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113275-D-2	73602		0.2041	TA SOIL LINNEAR	5/10/2022 5:20:45 PM	0.7144	E06
580-113275-D-2	73146		0.2068	TA SOIL LINNEAR	5/10/2022 5:22:56 PM	0.7005	E07
Average			0.2055			0.7074	
Std. Deviation			0.002			0.00980	
RSD			0.929			1.385	

General Chemistry Raw Data Report

Job ID: 580-113240-1

Batch: 390214 **Analyst Initials: JSM**

Method: Moisture **Instrument: NONE**

Lab Sample ID: 580-113240-A-1 **Analysis Date: May 11, 2022 11:50**

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	50.5942275042445	%
Percent Moisture	None	1	49.4057724957555	%

Lab Sample ID: 580-113240-A-2 **Analysis Date: May 11, 2022 11:50**

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	51.3793103448276	%
Percent Moisture	None	1	48.6206896551724	%

Lab Sample ID: 580-113240-A-3 **Analysis Date: May 11, 2022 11:50**

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	78.5575048732943	%
Percent Moisture	None	1	21.4424951267057	%

Lab Sample ID: 580-113240-A-4 **Analysis Date: May 11, 2022 11:50**

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	68.2692307692308	%
Percent Moisture	None	1	31.7307692307692	%

Shipping and Receiving Documents

Chain of Custody

PASI Minnesota Laboratory

Pace Analytical®
www.pacelabs.com

Workorder: 10606395 **Workorder Name:** D3593500 **Results Requested By:** 5/20/2022

Report / Invoice To	Subcontract To
Kongmeng Vang Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone (612)607-1700 Email: kongmeng.vang@pacelabs.com	P.O._____ Eurofins Frontier Global Sciences 5755 8th Street East Tacoma, WA 98424

State of Sample Origin: WA

JGCU

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved						TOC SW9060A - Eurofins	350.1 Ammonia											LAB USE ONLY
1	FD02-042722-0-10	4/27/2022 10:10	10606395001	Solid	1						X	X											
2	BNSF-BG18-042722-0-10	4/27/2022 10:35	10606395002	Solid	1						X	X											
3	BNSF-BG19-042722-0-10	4/27/2022 11:05	10606395003	Solid	1						X	X											
4	BNSF-SG03-042722-0-5.5	4/27/2022 12:00	10606395004	Solid	1						X	X											
5																							

Transfers	Released By	Date/Time	Received By	Date/Time
1	[illegible]	[illegible]		
2				
3				

Comments: Lvl 4 data package, Jacobs UPRR EQEDD

Cooler Temperature on Receipt °C | **Custody Seal** Y or N | **Received on Ice** Y or N | **Samples Intact** Y or N

580-113240 Chain of Custody

AB 0.2/0.4
Fgr KO
SmB Bub/Wet

Login Sample Receipt Checklist

Client: Pace Analytical Services, LLC

Job Number: 580-113240-1
SDG Number:

Login Number: 113240
List Number: 1
Creator: Presley, Kim A

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix I
Laboratory Results

Appendix I. Laboratory Results

This appendix provides the laboratory results from each sample collected during the Step 1 and Step 2 Sediment RI sampling events and includes the following:

- Appendix I-1 – Laboratory Results Part 1
- Appendix I-2 – Laboratory Results Part 2

Appendix I-2
Laboratory Results – Part 2

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

June 22, 2022

Bernice Kidd
Jacobs Engineering
2525 Air Park Drive
Redding, CA 96001

RE: Project: D3593500-Revised Report
Pace Project No.: 10606560

Dear Bernice Kidd:

Enclosed are the analytical results for sample(s) received by the laboratory on May 02, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses were subcontracted outside of the Pace Network. The test report from the external subcontractor is attached to this report in its entirety.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Minneapolis

This report was revised on June 23rd, 2022, to update the sample ID for Pace sample 003 to BNSF-BG20-042922-0-10 from BNSF-BG20-042922-010.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kongmeng Vang
kongmeng.vang@pacelabs.com
(612)607-1700
Project Manager

Enclosures

cc: Kris Ivarson, Jacobs
Jennifer Ulrich, Jacobs

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: D3593500-Revised Report
Pace Project No.: 10606560

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
A2LA Certification #: 2926.01*
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: D3593500-Revised Report
Pace Project No.: 10606560

Pace Analytical Services National

Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: D3593500-Revised Report
Pace Project No.: 10606560

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10606560001	**BNSF-L320-042922-0-2**	Solid	04/29/22 10:00	05/02/22 08:50
10606560002	**BNSF-I120-042922-0-6**	Solid	04/29/22 10:45	05/02/22 08:50
10606560003	**BNSF-BG20-042922-0-10**	Solid	04/29/22 11:25	05/02/22 08:50

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(612)607-1700

SAMPLE ANALYTE COUNT

Project: D3593500-Revised Report
Pace Project No.: 10606560

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10606560001	**BNSF-L320-042922-0-2**	NWTPH-Dx	EB3	4	PASI-M
		EPA 6020B	PW1	9	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JL5	1	PASI-M
		EPA 8270E	AGW	33	PAN
		SM 2540G	CMK	1	PAN
		EPA 9030B	BMD	1	PAN
10606560002	**BNSF-I120-042922-0-6**	NWTPH-Dx	EB3	4	PASI-M
		EPA 6020B	PW1	9	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JL5	1	PASI-M
		EPA 8270E	AGW	33	PAN
		SM 2540G	CMK	1	PAN
		EPA 9030B	BMD	1	PAN
10606560003	**BNSF-BG20-042922-0-10**	NWTPH-Dx	EB3	4	PASI-M
		EPA 6020B	PW1	9	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JL5	1	PASI-M
		EPA 8270E	AGW	33	PAN
		SM 2540G	CMK	1	PAN
		EPA 9030B	BMD	1	PAN

PAN = Pace National - Mt. Juliet
PASI-M = Pace Analytical Services - Minneapolis

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SUMMARY OF DETECTION

Project: D3593500-Revised Report
Pace Project No.: 10606560

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10606560001	**BNSF-L320-042922-0-2**					
NWTPH-Dx	Diesel Fuel Range	136	mg/kg	96.9	05/12/22 22:45	
NWTPH-Dx	Motor Oil Range	503	mg/kg	64.6	05/12/22 22:45	
EPA 6020B	Arsenic	2.6	mg/kg	0.62	05/17/22 15:30	
EPA 6020B	Cadmium	0.18	mg/kg	0.10	05/17/22 15:30	
EPA 6020B	Chromium	12.0	mg/kg	2.5	05/17/22 15:30	
EPA 6020B	Copper	11.9	mg/kg	1.2	05/17/22 15:30	
EPA 6020B	Lead	8.2	mg/kg	0.62	05/17/22 15:30	
EPA 6020B	Nickel	13.5	mg/kg	0.62	05/17/22 15:30	
EPA 6020B	Selenium	0.22J	mg/kg	0.62	05/17/22 15:30	
EPA 6020B	Silver	0.40J	mg/kg	0.62	05/17/22 15:30	
EPA 6020B	Zinc	69.0	mg/kg	6.2	05/17/22 15:30	
EPA 7471B	Mercury	0.016J	mg/kg	0.023	05/19/22 11:52	
ASTM D2974	Percent Moisture	23.4	%	0.10	05/03/22 12:34	N2
SM 2540G	Total Solids	80.2	%		05/05/22 06:27	
10606560002	**BNSF-I120-042922-0-6**					
NWTPH-Dx	Diesel Fuel Range	32.2	mg/kg	23.3	05/12/22 02:23	
NWTPH-Dx	Motor Oil Range	70.0	mg/kg	15.5	05/12/22 02:23	
EPA 6020B	Arsenic	2.9	mg/kg	0.74	05/17/22 15:34	
EPA 6020B	Cadmium	0.27	mg/kg	0.12	05/17/22 15:34	
EPA 6020B	Chromium	15.6	mg/kg	3.0	05/17/22 15:34	
EPA 6020B	Copper	12.3	mg/kg	1.5	05/17/22 15:34	
EPA 6020B	Lead	8.3	mg/kg	0.74	05/17/22 15:34	
EPA 6020B	Nickel	15.3	mg/kg	0.74	05/17/22 15:34	
EPA 6020B	Selenium	0.24J	mg/kg	0.74	05/17/22 15:34	
EPA 6020B	Zinc	90.6	mg/kg	7.4	05/17/22 15:34	
EPA 7471B	Mercury	0.016J	mg/kg	0.026	05/19/22 11:54	
ASTM D2974	Percent Moisture	35.8	%	0.10	05/03/22 12:34	N2
EPA 8270E	2-Methylnaphthalene	0.00706J	mg/kg	0.0446	05/11/22 16:01	J
SM 2540G	Total Solids	74.7	%		05/05/22 06:27	
EPA 9030B	Sulfide	51.7J	mg/kg	100	05/05/22 18:00	J
10606560003	**BNSF-BG20-042922-0-10**					
NWTPH-Dx	Motor Oil Range	31.6	mg/kg	14.7	05/12/22 02:34	
EPA 6020B	Arsenic	2.6	mg/kg	0.74	05/17/22 15:37	
EPA 6020B	Cadmium	0.29	mg/kg	0.12	05/17/22 15:37	
EPA 6020B	Chromium	15.7	mg/kg	3.0	05/17/22 15:37	
EPA 6020B	Copper	12.7	mg/kg	1.5	05/17/22 15:37	
EPA 6020B	Lead	5.9	mg/kg	0.74	05/17/22 15:37	
EPA 6020B	Nickel	15.0	mg/kg	0.74	05/17/22 15:37	
EPA 6020B	Selenium	0.31J	mg/kg	0.74	05/17/22 15:37	
EPA 6020B	Zinc	81.6	mg/kg	7.4	05/17/22 15:37	
EPA 7471B	Mercury	0.012J	mg/kg	0.027	05/19/22 11:56	
ASTM D2974	Percent Moisture	32.6	%	0.10	05/03/22 12:34	N2
SM 2540G	Total Solids	70.4	%		05/05/22 06:27	
EPA 9030B	Sulfide	179	mg/kg	107	05/09/22 12:00	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: D3593500-Revised Report
Pace Project No.: 10606560

Sample: BNSF-L320-042922-0-2 **Lab ID: 10606560001** Collected: 04/29/22 10:00 Received: 05/02/22 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550 Pace Analytical Services - Minneapolis								
Diesel Fuel Range	**136**	mg/kg	96.9	44.7	5	05/03/22 17:14	05/12/22 22:45	68334-30-5	
Motor Oil Range	**503**	mg/kg	64.6	32.2	5	05/03/22 17:14	05/12/22 22:45		
Surrogates									
n-Triacontane (S)	91	%.	50-150		5	05/03/22 17:14	05/12/22 22:45		
o-Terphenyl (S)	69	%.	50-150		5	05/03/22 17:14	05/12/22 22:45	84-15-1	
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**2.6**	mg/kg	0.62	0.14	1	05/04/22 14:05	05/17/22 15:30	7440-38-2	
Cadmium	**0.18**	mg/kg	0.10	0.039	1	05/04/22 14:05	05/17/22 15:30	7440-43-9	
Chromium	**12.0**	mg/kg	2.5	0.17	1	05/04/22 14:05	05/17/22 15:30	7440-47-3	
Copper	**11.9**	mg/kg	1.2	0.30	1	05/04/22 14:05	05/17/22 15:30	7440-50-8	
Lead	**8.2**	mg/kg	0.62	0.037	1	05/04/22 14:05	05/17/22 15:30	7439-92-1	
Nickel	**13.5**	mg/kg	0.62	0.25	1	05/04/22 14:05	05/17/22 15:30	7440-02-0	
Selenium	**0.22J**	mg/kg	0.62	0.11	1	05/04/22 14:05	05/17/22 15:30	7782-49-2	
Silver	**0.40J**	mg/kg	0.62	0.18	1	05/04/22 14:05	05/17/22 15:30	7440-22-4	
Zinc	**69.0**	mg/kg	6.2	1.1	1	05/04/22 14:05	05/17/22 15:30	7440-66-6	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.016J**	mg/kg	0.023	0.010	1	05/04/22 16:12	05/19/22 11:52	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**23.4**	%	0.10	0.10	1		05/03/22 12:34		N2
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0830	0.0135	2	05/10/22 22:21	05/11/22 09:07	83-32-9	
Acenaphthylene	ND	mg/kg	0.0830	0.0117	2	05/10/22 22:21	05/11/22 09:07	208-96-8	
Anthracene	ND	mg/kg	0.0830	0.0148	2	05/10/22 22:21	05/11/22 09:07	120-12-7	
Benzoic acid	ND	mg/kg	4.16	0.294	2	05/10/22 22:21	05/11/22 09:07	65-85-0	
Benzo(a)anthracene	ND	mg/kg	0.0830	0.0146	2	05/10/22 22:21	05/11/22 09:07	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0830	0.0155	2	05/10/22 22:21	05/11/22 09:07	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0830	0.0147	2	05/10/22 22:21	05/11/22 09:07	207-08-9	
Benzo(g,h,i)perylene	ND	mg/kg	0.0830	0.0152	2	05/10/22 22:21	05/11/22 09:07	191-24-2	
Benzo(a)pyrene	ND	mg/kg	0.0830	0.0155	2	05/10/22 22:21	05/11/22 09:07	50-32-8	
Carbazole	ND	mg/kg	0.830	0.0257	2	05/10/22 22:21	05/11/22 09:07	86-74-8	
Chrysene	ND	mg/kg	0.0830	0.0165	2	05/10/22 22:21	05/11/22 09:07	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0830	0.0231	2	05/10/22 22:21	05/11/22 09:07	53-70-3	
Dibenzofuran	ND	mg/kg	0.830	0.0272	2	05/10/22 22:21	05/11/22 09:07	132-64-9	
Fluoranthene	ND	mg/kg	0.0830	0.0150	2	05/10/22 22:21	05/11/22 09:07	206-44-0	
Fluorene	ND	mg/kg	0.0830	0.0135	2	05/10/22 22:21	05/11/22 09:07	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0830	0.0234	2	05/10/22 22:21	05/11/22 09:07	193-39-5	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: D3593500-Revised Report
Pace Project No.: 10606560

Sample: BNSF-L320-042922-0-2 **Lab ID: 10606560001** Collected: 04/29/22 10:00 Received: 05/02/22 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
1-Methylnaphthalene	ND	mg/kg	0.0830	0.0106	2	05/10/22 22:21	05/11/22 09:07	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.0830	0.0108	2	05/10/22 22:21	05/11/22 09:07	91-57-6	
Naphthalene	ND	mg/kg	0.0830	0.0208	2	05/10/22 22:21	05/11/22 09:07	91-20-3	
Phenanthrene	ND	mg/kg	0.0830	0.0165	2	05/10/22 22:21	05/11/22 09:07	85-01-8	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.830	0.105	2	05/10/22 22:21	05/11/22 09:07	117-81-7	
Di-n-butylphthalate	ND	mg/kg	0.830	0.0284	2	05/10/22 22:21	05/11/22 09:07	84-74-2	
Di-n-octylphthalate	ND	mg/kg	0.830	0.0561	2	05/10/22 22:21	05/11/22 09:07	117-84-0	
Pyrene	ND	mg/kg	0.0830	0.0162	2	05/10/22 22:21	05/11/22 09:07	129-00-0	
3&4-Methylphenol(m&p Cresol)	ND	mg/kg	0.830	0.0259	2	05/10/22 22:21	05/11/22 09:07		
Pentachlorophenol	ND	mg/kg	0.830	0.0223	2	05/10/22 22:21	05/11/22 09:07	87-86-5	
Phenol	ND	mg/kg	0.830	0.0334	2	05/10/22 22:21	05/11/22 09:07	108-95-2	
Surrogates									
2-Fluorophenol (S)	74.7	%	12.0-120		2	05/10/22 22:21	05/11/22 09:07	367-12-4	
Phenol-d5 (S)	73.5	%	10.0-120		2	05/10/22 22:21	05/11/22 09:07	4165-62-2	
Nitrobenzene-d5 (S)	74.6	%	10.0-122		2	05/10/22 22:21	05/11/22 09:07	4165-60-0	
2-Fluorobiphenyl (S)	66.1	%	15.0-120		2	05/10/22 22:21	05/11/22 09:07	321-60-8	
2,4,6-Tribromophenol (S)	76.5	%	10.0-127		2	05/10/22 22:21	05/11/22 09:07	118-79-6	
p-Terphenyl-d14 (S)	66.1	%	10.0-120		2	05/10/22 22:21	05/11/22 09:07	1718-51-0	
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet								
Total Solids	**80.2**	%			1	05/05/22 06:22	05/05/22 06:27		
Wet Chemistry 9034/9030B	Analytical Method: EPA 9030B Preparation Method: 9030B Pace National - Mt. Juliet								
Sulfide	ND	mg/kg	93.5	37.4	1	05/03/22 12:51	05/05/22 18:00	18496-25-8	

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ANALYTICAL RESULTS

Project: D3593500-Revised Report
Pace Project No.: 10606560

Sample: BNSF-I120-042922-0-6 **Lab ID: 10606560002** Collected: 04/29/22 10:45 Received: 05/02/22 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550 Pace Analytical Services - Minneapolis								
Diesel Fuel Range	**32.2**	mg/kg	23.3	10.7	1	05/03/22 17:14	05/12/22 02:23	68334-30-5	
Motor Oil Range	**70.0**	mg/kg	15.5	7.7	1	05/03/22 17:14	05/12/22 02:23		
Surrogates									
n-Triacontane (S)	95	%.	50-150		1	05/03/22 17:14	05/12/22 02:23		
o-Terphenyl (S)	55	%.	50-150		1	05/03/22 17:14	05/12/22 02:23	84-15-1	
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**2.9**	mg/kg	0.74	0.16	1	05/04/22 14:05	05/17/22 15:34	7440-38-2	
Cadmium	**0.27**	mg/kg	0.12	0.047	1	05/04/22 14:05	05/17/22 15:34	7440-43-9	
Chromium	**15.6**	mg/kg	3.0	0.21	1	05/04/22 14:05	05/17/22 15:34	7440-47-3	
Copper	**12.3**	mg/kg	1.5	0.36	1	05/04/22 14:05	05/17/22 15:34	7440-50-8	
Lead	**8.3**	mg/kg	0.74	0.044	1	05/04/22 14:05	05/17/22 15:34	7439-92-1	
Nickel	**15.3**	mg/kg	0.74	0.30	1	05/04/22 14:05	05/17/22 15:34	7440-02-0	
Selenium	**0.24J**	mg/kg	0.74	0.13	1	05/04/22 14:05	05/17/22 15:34	7782-49-2	
Silver	ND	mg/kg	0.74	0.22	1	05/04/22 14:05	05/17/22 15:34	7440-22-4	
Zinc	**90.6**	mg/kg	7.4	1.3	1	05/04/22 14:05	05/17/22 15:34	7440-66-6	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.016J**	mg/kg	0.026	0.011	1	05/04/22 16:12	05/19/22 11:54	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**35.8**	%	0.10	0.10	1		05/03/22 12:34		N2
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0446	0.00721	1	05/10/22 22:21	05/11/22 16:01	83-32-9	
Acenaphthylene	ND	mg/kg	0.0446	0.00627	1	05/10/22 22:21	05/11/22 16:01	208-96-8	
Anthracene	ND	mg/kg	0.0446	0.00793	1	05/10/22 22:21	05/11/22 16:01	120-12-7	
Benzoic acid	ND	mg/kg	2.23	0.158	1	05/10/22 22:21	05/11/22 16:01	65-85-0	
Benzo(a)anthracene	ND	mg/kg	0.0446	0.00785	1	05/10/22 22:21	05/11/22 16:01	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0446	0.00831	1	05/10/22 22:21	05/11/22 16:01	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0446	0.00792	1	05/10/22 22:21	05/11/22 16:01	207-08-9	
Benzo(g,h,i)perylene	ND	mg/kg	0.0446	0.00815	1	05/10/22 22:21	05/11/22 16:01	191-24-2	
Benzo(a)pyrene	ND	mg/kg	0.0446	0.00828	1	05/10/22 22:21	05/11/22 16:01	50-32-8	
Carbazole	ND	mg/kg	0.446	0.0138	1	05/10/22 22:21	05/11/22 16:01	86-74-8	
Chrysene	ND	mg/kg	0.0446	0.00886	1	05/10/22 22:21	05/11/22 16:01	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0446	0.0123	1	05/10/22 22:21	05/11/22 16:01	53-70-3	
Dibenzofuran	ND	mg/kg	0.446	0.0146	1	05/10/22 22:21	05/11/22 16:01	132-64-9	
Fluoranthene	ND	mg/kg	0.0446	0.00804	1	05/10/22 22:21	05/11/22 16:01	206-44-0	
Fluorene	ND	mg/kg	0.0446	0.00725	1	05/10/22 22:21	05/11/22 16:01	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0446	0.0126	1	05/10/22 22:21	05/11/22 16:01	193-39-5	

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ANALYTICAL RESULTS

Project: D3593500-Revised Report
Pace Project No.: 10606560

Sample: BNSF-I120-042922-0-6 **Lab ID: 10606560002** Collected: 04/29/22 10:45 Received: 05/02/22 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
1-Methylnaphthalene	ND	mg/kg	0.0446	0.00570	1	05/10/22 22:21	05/11/22 16:01	90-12-0	
2-Methylnaphthalene	**0.00706J**	mg/kg	0.0446	0.00578	1	05/10/22 22:21	05/11/22 16:01	91-57-6	J
Naphthalene	ND	mg/kg	0.0446	0.0112	1	05/10/22 22:21	05/11/22 16:01	91-20-3	
Phenanthrene	ND	mg/kg	0.0446	0.00884	1	05/10/22 22:21	05/11/22 16:01	85-01-8	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.446	0.0565	1	05/10/22 22:21	05/11/22 16:01	117-81-7	
Di-n-butylphthalate	ND	mg/kg	0.446	0.0153	1	05/10/22 22:21	05/11/22 16:01	84-74-2	
Di-n-octylphthalate	ND	mg/kg	0.446	0.0301	1	05/10/22 22:21	05/11/22 16:01	117-84-0	
Pyrene	ND	mg/kg	0.0446	0.00867	1	05/10/22 22:21	05/11/22 16:01	129-00-0	
3&4-Methylphenol(m&p Cresol)	ND	mg/kg	0.446	0.0139	1	05/10/22 22:21	05/11/22 16:01		
Pentachlorophenol	ND	mg/kg	0.446	0.0120	1	05/10/22 22:21	05/11/22 16:01	87-86-5	
Phenol	ND	mg/kg	0.446	0.0179	1	05/10/22 22:21	05/11/22 16:01	108-95-2	
Surrogates									
2-Fluorophenol (S)	64.7	%	12.0-120		1	05/10/22 22:21	05/11/22 16:01	367-12-4	
Phenol-d5 (S)	64.7	%	10.0-120		1	05/10/22 22:21	05/11/22 16:01	4165-62-2	
Nitrobenzene-d5 (S)	64.5	%	10.0-122		1	05/10/22 22:21	05/11/22 16:01	4165-60-0	
2-Fluorobiphenyl (S)	57.6	%	15.0-120		1	05/10/22 22:21	05/11/22 16:01	321-60-8	
2,4,6-Tribromophenol (S)	68.6	%	10.0-127		1	05/10/22 22:21	05/11/22 16:01	118-79-6	
p-Terphenyl-d14 (S)	61.8	%	10.0-120		1	05/10/22 22:21	05/11/22 16:01	1718-51-0	
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet								
Total Solids	**74.7**	%			1	05/05/22 06:22	05/05/22 06:27		
Wet Chemistry 9034/9030B	Analytical Method: EPA 9030B Preparation Method: 9030B Pace National - Mt. Juliet								
Sulfide	**51.7J**	mg/kg	100	40.1	1	05/03/22 12:51	05/05/22 18:00	18496-25-8	J

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ANALYTICAL RESULTS

Project: D3593500-Revised Report
Pace Project No.: 10606560

Sample: BNSF-BG20-042922-0-10 **Lab ID: 10606560003** Collected: 04/29/22 11:25 Received: 05/02/22 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550 Pace Analytical Services - Minneapolis								
Diesel Fuel Range	ND	mg/kg	22.1	10.2	1	05/03/22 17:14	05/12/22 02:34	68334-30-5	
Motor Oil Range	**31.6**	mg/kg	14.7	7.3	1	05/03/22 17:14	05/12/22 02:34		
Surrogates									
n-Triacontane (S)	102	%.	50-150		1	05/03/22 17:14	05/12/22 02:34		
o-Terphenyl (S)	81	%.	50-150		1	05/03/22 17:14	05/12/22 02:34	84-15-1	
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis								
Arsenic	**2.6**	mg/kg	0.74	0.16	1	05/04/22 14:05	05/17/22 15:37	7440-38-2	
Cadmium	**0.29**	mg/kg	0.12	0.047	1	05/04/22 14:05	05/17/22 15:37	7440-43-9	
Chromium	**15.7**	mg/kg	3.0	0.21	1	05/04/22 14:05	05/17/22 15:37	7440-47-3	
Copper	**12.7**	mg/kg	1.5	0.36	1	05/04/22 14:05	05/17/22 15:37	7440-50-8	
Lead	**5.9**	mg/kg	0.74	0.044	1	05/04/22 14:05	05/17/22 15:37	7439-92-1	
Nickel	**15.0**	mg/kg	0.74	0.30	1	05/04/22 14:05	05/17/22 15:37	7440-02-0	
Selenium	**0.31J**	mg/kg	0.74	0.13	1	05/04/22 14:05	05/17/22 15:37	7782-49-2	
Silver	ND	mg/kg	0.74	0.22	1	05/04/22 14:05	05/17/22 15:37	7440-22-4	
Zinc	**81.6**	mg/kg	7.4	1.3	1	05/04/22 14:05	05/17/22 15:37	7440-66-6	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis								
Mercury	**0.012J**	mg/kg	0.027	0.012	1	05/04/22 16:12	05/19/22 11:56	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**32.6**	%	0.10	0.10	1		05/03/22 12:34		N2
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0947	0.0154	2	05/10/22 22:21	05/11/22 16:22	83-32-9	
Acenaphthylene	ND	mg/kg	0.0947	0.0133	2	05/10/22 22:21	05/11/22 16:22	208-96-8	
Anthracene	ND	mg/kg	0.0947	0.0169	2	05/10/22 22:21	05/11/22 16:22	120-12-7	
Benzoic acid	ND	mg/kg	4.75	0.335	2	05/10/22 22:21	05/11/22 16:22	65-85-0	
Benzo(a)anthracene	ND	mg/kg	0.0947	0.0166	2	05/10/22 22:21	05/11/22 16:22	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0947	0.0176	2	05/10/22 22:21	05/11/22 16:22	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0947	0.0168	2	05/10/22 22:21	05/11/22 16:22	207-08-9	
Benzo(g,h,i)perylene	ND	mg/kg	0.0947	0.0173	2	05/10/22 22:21	05/11/22 16:22	191-24-2	
Benzo(a)pyrene	ND	mg/kg	0.0947	0.0176	2	05/10/22 22:21	05/11/22 16:22	50-32-8	
Carbazole	ND	mg/kg	0.947	0.0293	2	05/10/22 22:21	05/11/22 16:22	86-74-8	
Chrysene	ND	mg/kg	0.0947	0.0188	2	05/10/22 22:21	05/11/22 16:22	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0947	0.0263	2	05/10/22 22:21	05/11/22 16:22	53-70-3	
Dibenzofuran	ND	mg/kg	0.947	0.0310	2	05/10/22 22:21	05/11/22 16:22	132-64-9	
Fluoranthene	ND	mg/kg	0.0947	0.0171	2	05/10/22 22:21	05/11/22 16:22	206-44-0	
Fluorene	ND	mg/kg	0.0947	0.0154	2	05/10/22 22:21	05/11/22 16:22	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0947	0.0267	2	05/10/22 22:21	05/11/22 16:22	193-39-5	

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ANALYTICAL RESULTS

Project: D3593500-Revised Report
Pace Project No.: 10606560

Sample: BNSF-BG20-042922-0-10 **Lab ID: 10606560003** Collected: 04/29/22 11:25 Received: 05/02/22 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
1-Methylnaphthalene	ND	mg/kg	0.0947	0.0121	2	05/10/22 22:21	05/11/22 16:22	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.0947	0.0123	2	05/10/22 22:21	05/11/22 16:22	91-57-6	
Naphthalene	ND	mg/kg	0.0947	0.0237	2	05/10/22 22:21	05/11/22 16:22	91-20-3	
Phenanthrene	ND	mg/kg	0.0947	0.0188	2	05/10/22 22:21	05/11/22 16:22	85-01-8	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.947	0.120	2	05/10/22 22:21	05/11/22 16:22	117-81-7	
Di-n-butylphthalate	ND	mg/kg	0.947	0.0324	2	05/10/22 22:21	05/11/22 16:22	84-74-2	
Di-n-octylphthalate	ND	mg/kg	0.947	0.0640	2	05/10/22 22:21	05/11/22 16:22	117-84-0	
Pyrene	ND	mg/kg	0.0947	0.0185	2	05/10/22 22:21	05/11/22 16:22	129-00-0	
3&4-Methylphenol(m&p Cresol)	ND	mg/kg	0.947	0.0296	2	05/10/22 22:21	05/11/22 16:22		
Pentachlorophenol	ND	mg/kg	0.947	0.0254	2	05/10/22 22:21	05/11/22 16:22	87-86-5	
Phenol	ND	mg/kg	0.947	0.0381	2	05/10/22 22:21	05/11/22 16:22	108-95-2	
Surrogates									
2-Fluorophenol (S)	73.8	%	12.0-120		2	05/10/22 22:21	05/11/22 16:22	367-12-4	
Phenol-d5 (S)	70.2	%	10.0-120		2	05/10/22 22:21	05/11/22 16:22	4165-62-2	
Nitrobenzene-d5 (S)	73.9	%	10.0-122		2	05/10/22 22:21	05/11/22 16:22	4165-60-0	
2-Fluorobiphenyl (S)	64.3	%	15.0-120		2	05/10/22 22:21	05/11/22 16:22	321-60-8	
2,4,6-Tribromophenol (S)	78.7	%	10.0-127		2	05/10/22 22:21	05/11/22 16:22	118-79-6	
p-Terphenyl-d14 (S)	74.8	%	10.0-120		2	05/10/22 22:21	05/11/22 16:22	1718-51-0	
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet								
Total Solids	**70.4**	%			1	05/05/22 06:22	05/05/22 06:27		
Wet Chemistry 9034/9030B	Analytical Method: EPA 9030B Preparation Method: 9030B Pace National - Mt. Juliet								
Sulfide	**179**	mg/kg	107	42.6	1	05/05/22 08:00	05/09/22 12:00	18496-25-8	

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606560

QC Batch: 812970
QC Batch Method: EPA 7471B
Analysis Method: EPA 7471B
Analysis Description: 7471B Mercury Solids
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10606560001, 10606560002, 10606560003

METHOD BLANK: 4310667 Matrix: Solid
Associated Lab Samples: 10606560001, 10606560002, 10606560003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.017	0.0073	05/19/22 11:49	

LABORATORY CONTROL SAMPLE: 4310668

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.46	0.48	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4310669 4310670

Parameter	Units	10606560003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.012J	0.65	0.65	0.66	0.67	100	102	80-120	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606560

QC Batch: 812968
QC Batch Method: EPA 3050B
Analysis Method: EPA 6020B
Analysis Description: 6020B Solids UPD5
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10606560001, 10606560002, 10606560003

METHOD BLANK: 4310659 Matrix: Solid
Associated Lab Samples: 10606560001, 10606560002, 10606560003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.50	0.11	05/17/22 15:23	
Cadmium	mg/kg	ND	0.079	0.031	05/17/22 15:23	
Chromium	mg/kg	ND	2.0	0.14	05/17/22 15:23	
Copper	mg/kg	0.26J	0.99	0.24	05/17/22 15:23	
Lead	mg/kg	ND	0.50	0.029	05/17/22 15:23	
Nickel	mg/kg	ND	0.50	0.20	05/17/22 15:23	
Selenium	mg/kg	ND	0.50	0.085	05/17/22 15:23	
Silver	mg/kg	ND	0.50	0.14	05/17/22 15:23	
Zinc	mg/kg	ND	5.0	0.89	05/17/22 15:23	

LABORATORY CONTROL SAMPLE: 4310660

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	49	53.5	109	80-120	
Cadmium	mg/kg	49	54.6	111	80-120	
Chromium	mg/kg	49	57.9	118	80-120	
Copper	mg/kg	49	59.0	120	80-120	
Lead	mg/kg	49	56.4	115	80-120	
Nickel	mg/kg	49	58.6	119	80-120	
Selenium	mg/kg	49	54.9	112	80-120	
Silver	mg/kg	24.5	28.3	115	80-120	
Zinc	mg/kg	49	55.4	113	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4310661 4310662

Parameter	Units	10606560003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	2.6	73.4	71.4	79.1	78.5	104	106	75-125	1	20	
Cadmium	mg/kg	0.29	73.4	71.4	77.7	78.5	105	110	75-125	1	20	
Chromium	mg/kg	15.7	73.4	71.4	96.9	96.7	111	113	75-125	0	20	
Copper	mg/kg	12.7	73.4	71.4	94.5	93.9	111	114	75-125	1	20	
Lead	mg/kg	5.9	73.4	71.4	85.7	84.9	109	111	75-125	1	20	
Nickel	mg/kg	15.0	73.4	71.4	97.6	97.0	112	115	75-125	1	20	
Selenium	mg/kg	0.31J	73.4	71.4	78.0	74.4	106	104	75-125	5	20	
Silver	mg/kg	ND	36.8	35.6	40.4	40.4	110	113	75-125	0	20	
Zinc	mg/kg	81.6	73.4	71.4	154	154	98	102	75-125	0	20	

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606560

QC Batch: 812703
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight / %M by ASTM D2974
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10606560001, 10606560002, 10606560003

SAMPLE DUPLICATE: 4309419

Parameter	Units	10606437001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.6	21.0	2	30	N2

SAMPLE DUPLICATE: 4309420

Parameter	Units	10606560003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	32.6	33.2	2	30	N2

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606560

QC Batch: 1861634
QC Batch Method: 3546
Analysis Method: EPA 8270E
Analysis Description: SVOA (GC/MS) 8270E
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10606560001, 10606560002, 10606560003

METHOD BLANK: R3790422-2 Matrix: Solid
Associated Lab Samples: 10606560001, 10606560002, 10606560003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	mg/kg	ND	0.0333	0.00539	05/11/22 07:22	
Acenaphthylene	mg/kg	ND	0.0333	0.00469	05/11/22 07:22	
Anthracene	mg/kg	ND	0.0333	0.00593	05/11/22 07:22	
Benzoic acid	mg/kg	ND	1.67	0.118	05/11/22 07:22	
Benzo(a)anthracene	mg/kg	ND	0.0333	0.00587	05/11/22 07:22	
Benzo(b)fluoranthene	mg/kg	ND	0.0333	0.00621	05/11/22 07:22	
Benzo(k)fluoranthene	mg/kg	ND	0.0333	0.00592	05/11/22 07:22	
Benzo(g,h,i)perylene	mg/kg	ND	0.0333	0.00609	05/11/22 07:22	
Benzo(a)pyrene	mg/kg	ND	0.0333	0.00619	05/11/22 07:22	
Carbazole	mg/kg	ND	0.333	0.0103	05/11/22 07:22	
Chrysene	mg/kg	ND	0.0333	0.00662	05/11/22 07:22	
Dibenz(a,h)anthracene	mg/kg	ND	0.0333	0.00923	05/11/22 07:22	
Dibenzofuran	mg/kg	ND	0.333	0.0109	05/11/22 07:22	
Fluoranthene	mg/kg	ND	0.0333	0.00601	05/11/22 07:22	
Fluorene	mg/kg	ND	0.0333	0.00542	05/11/22 07:22	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0333	0.00941	05/11/22 07:22	
1-Methylnaphthalene	mg/kg	ND	0.0333	0.00426	05/11/22 07:22	
2-Methylnaphthalene	mg/kg	ND	0.0333	0.00432	05/11/22 07:22	
Naphthalene	mg/kg	ND	0.0333	0.00836	05/11/22 07:22	
Phenanthrene	mg/kg	ND	0.0333	0.00661	05/11/22 07:22	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.333	0.0422	05/11/22 07:22	
Di-n-butylphthalate	mg/kg	ND	0.333	0.0114	05/11/22 07:22	
Di-n-octylphthalate	mg/kg	ND	0.333	0.0225	05/11/22 07:22	
Pyrene	mg/kg	ND	0.0333	0.00648	05/11/22 07:22	
3&4-Methylphenol(m&p Cresol)	mg/kg	ND	0.333	0.0104	05/11/22 07:22	
Pentachlorophenol	mg/kg	ND	0.333	0.00896	05/11/22 07:22	
Phenol	mg/kg	ND	0.333	0.0134	05/11/22 07:22	
2-Fluorophenol (S)	%	85.6	12.0-120		05/11/22 07:22	
Phenol-d5 (S)	%	83.9	10.0-120		05/11/22 07:22	
Nitrobenzene-d5 (S)	%	86.8	10.0-122		05/11/22 07:22	
2-Fluorobiphenyl (S)	%	82	15.0-120		05/11/22 07:22	
2,4,6-Tribromophenol (S)	%	85.4	10.0-127		05/11/22 07:22	
p-Terphenyl-d14 (S)	%	89.5	10.0-120		05/11/22 07:22	

LABORATORY CONTROL SAMPLE: R3790422-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	mg/kg	0.666	0.584	87.7	38.0-120	
Acenaphthylene	mg/kg	0.666	0.630	94.6	40.0-120	

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606560

LABORATORY CONTROL SAMPLE: R3790422-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	mg/kg	0.666	0.579	86.9	42.0-120	
Benzoic acid	mg/kg	1.33	0.533	40.1	10.0-120	
Benzo(a)anthracene	mg/kg	0.666	0.619	92.9	44.0-120	
Benzo(b)fluoranthene	mg/kg	0.666	0.584	87.7	43.0-120	
Benzo(k)fluoranthene	mg/kg	0.666	0.594	89.2	44.0-120	
Benzo(g,h,i)perylene	mg/kg	0.666	0.612	91.9	43.0-120	
Benzo(a)pyrene	mg/kg	0.666	0.643	96.5	45.0-120	
Carbazole	mg/kg	0.666	0.570	85.6	48.0-120	
Chrysene	mg/kg	0.666	0.616	92.5	43.0-120	
Dibenz(a,h)anthracene	mg/kg	0.666	0.584	87.7	44.0-120	
Dibenzofuran	mg/kg	0.666	0.598	89.8	44.0-120	
Fluoranthene	mg/kg	0.666	0.576	86.5	44.0-120	
Fluorene	mg/kg	0.666	0.601	90.2	41.0-120	
Indeno(1,2,3-cd)pyrene	mg/kg	0.666	0.590	88.6	45.0-120	
1-Methylnaphthalene	mg/kg	0.666	0.448	67.3	34.0-120	
2-Methylnaphthalene	mg/kg	0.666	0.424	63.7	34.0-120	
Naphthalene	mg/kg	0.666	0.431	64.7	18.0-120	
Phenanthrene	mg/kg	0.666	0.574	86.2	42.0-120	
bis(2-Ethylhexyl)phthalate	mg/kg	0.666	0.707	106	41.0-120	
Di-n-butylphthalate	mg/kg	0.666	0.641	96.2	43.0-120	
Di-n-octylphthalate	mg/kg	0.666	0.656	98.5	40.0-120	
Pyrene	mg/kg	0.666	0.607	91.1	41.0-120	
3&4-Methylphenol(m&p Cresol)	mg/kg	0.666	0.683	103	42.0-120	
Pentachlorophenol	mg/kg	0.666	0.550	82.6	29.0-120	
Phenol	mg/kg	0.666	0.570	85.6	28.0-120	
2-Fluorophenol (S)	%			83.6	12.0-120	
Phenol-d5 (S)	%			84.4	10.0-120	
Nitrobenzene-d5 (S)	%			69.7	10.0-122	
2-Fluorobiphenyl (S)	%			82.3	15.0-120	
2,4,6-Tribromophenol (S)	%			90.7	10.0-127	
p-Terphenyl-d14 (S)	%			91.6	10.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3790422-3 R3790422-4

Parameter	Units	10606560003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	mg/kg	ND	0.918	0.918	0.667	0.689	72.6	75.1	18.0-120	3.35	32	
Acenaphthylene	mg/kg	ND	0.918	0.918	0.689	0.728	75.1	79.3	25.0-120	5.42	32	
Anthracene	mg/kg	ND	0.918	0.918	0.652	0.682	71.1	74.3	22.0-120	4.47	29	
Benzoic acid	mg/kg	ND	1.83	1.83	2.12	1.85	116	101	10.0-152	13.6	40	
Benzo(a)anthracene	mg/kg	ND	0.918	0.918	0.657	0.702	71.5	76.5	25.0-120	6.69	29	
Benzo(b)fluoranthene	mg/kg	ND	0.918	0.918	0.712	0.701	77.6	76.3	19.0-122	1.61	31	
Benzo(k)fluoranthene	mg/kg	ND	0.918	0.918	0.739	0.688	80.5	74.9	23.0-120	7.17	30	
Benzo(g,h,i)perylene	mg/kg	ND	0.918	0.918	0.422	0.432	46.0	47.1	10.0-120	2.33	33	
Benzo(a)pyrene	mg/kg	ND	0.918	0.918	0.758	0.738	82.5	80.3	24.0-120	2.66	30	

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606560

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		R3790422-3			R3790422-4							
Parameter	Units	10606560003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Carbazole	mg/kg	ND	0.918	0.918	0.655	0.661	71.4	72.0	31.0-120	0.864	24	
Chrysene	mg/kg	ND	0.918	0.918	0.655	0.671	71.4	73.1	21.0-120	2.36	29	
Dibenz(a,h)anthracene	mg/kg	ND	0.918	0.918	0.522	0.529	56.8	57.6	10.0-120	1.35	32	
Dibenzofuran	mg/kg	ND	0.918	0.918	0.665	0.678	72.4	73.8	24.0-120	1.90	30	
Fluoranthene	mg/kg	ND	0.918	0.918	0.729	0.735	79.4	80.0	18.0-126	0.777	32	
Fluorene	mg/kg	ND	0.918	0.918	0.705	0.685	76.8	74.6	25.0-120	2.86	30	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.918	0.918	0.469	0.496	51.1	54.0	10.0-120	5.60	32	
1-Methylnaphthalene	mg/kg	ND	0.918	0.918	0.569	0.576	61.9	62.7	10.0-120	1.24	36	
2-Methylnaphthalene	mg/kg	ND	0.918	0.918	0.549	0.567	59.8	61.8	10.0-120	3.31	37	
Naphthalene	mg/kg	ND	0.918	0.918	0.556	0.547	60.5	59.6	10.0-120	1.55	35	
Phenanthrene	mg/kg	ND	0.918	0.918	0.640	0.664	69.7	72.3	17.0-120	3.71	31	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.918	0.918	0.776	0.768	84.5	83.6	17.0-126	1.10	30	
Di-n-butylphthalate	mg/kg	ND	0.918	0.918	0.773	0.782	84.2	85.1	30.0-120	1.10	29	
Di-n-octylphthalate	mg/kg	ND	0.918	0.918	0.785	0.807	85.4	87.9	21.0-123	2.86	29	
Pyrene	mg/kg	ND	0.918	0.918	0.658	0.662	71.7	72.1	16.0-121	0.646	32	
3&4-Methylphenol(m&p Cresol)	mg/kg	ND	0.918	0.918	0.760	0.739	82.8	80.5	12.0-123	2.84	38	
Pentachlorophenol	mg/kg	ND	0.918	0.918	0.751	0.743	81.7	81.0	10.0-160	0.951	31	
Phenol	mg/kg	ND	0.918	0.918	0.675	0.658	73.5	71.7	12.0-120	2.56	38	
2-Fluorophenol (S)	%						69.5	60.7	12.0-120			
Phenol-d5 (S)	%						66.7	56.8	10.0-120			
Nitrobenzene-d5 (S)	%						67.8	60.1	10.0-122			
2-Fluorobiphenyl (S)	%						62.2	61.9	15.0-120			
2,4,6-Tribromophenol (S)	%						69.7	64.2	10.0-127			
p-Terphenyl-d14 (S)	%						68.1	59.1	10.0-120			

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606560

QC Batch: 812903
QC Batch Method: EPA 3550
Analysis Method: NWTPH-Dx
Analysis Description: NWTPH-Dx GCS
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10606560001, 10606560002, 10606560003

METHOD BLANK: 4310214 Matrix: Solid
Associated Lab Samples: 10606560001, 10606560002, 10606560003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Diesel Fuel Range	mg/kg	ND	15.0	6.9	05/12/22 01:04	
Motor Oil Range	mg/kg	ND	10.0	5.0	05/12/22 01:04	
n-Triacontane (S)	%.	101	50-150		05/12/22 01:04	
o-Terphenyl (S)	%.	908	50-150		05/12/22 01:04	

LABORATORY CONTROL SAMPLE: 4310215

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Fuel Range	mg/kg	50	48.2	96	50-150	
Motor Oil Range	mg/kg	50	47.7	95	50-150	
n-Triacontane (S)	%.			100	50-150	
o-Terphenyl (S)	%.			889	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4310216 4310217

Parameter	Units	10606560003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diesel Fuel Range	mg/kg	ND	74	74	65.4	69.5	80	85	50-150	6	30	
Motor Oil Range	mg/kg	31.6	74	74	80.1	90.2	66	79	50-150	12	30	
n-Triacontane (S)	%.						98	105	50-150			
o-Terphenyl (S)	%.						741	804	50-150			

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606560

QC Batch: 1858339
QC Batch Method: SM 2540 G
Analysis Method: SM 2540G
Analysis Description: Total Solids 2540 G-2011
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10606560001, 10606560002, 10606560003

METHOD BLANK: R3788778-1 Matrix: Solid
Associated Lab Samples: 10606560001, 10606560002, 10606560003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Solids	%	0.00100			05/05/22 06:27	

LABORATORY CONTROL SAMPLE: R3788778-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Solids	%	50.0	50.0	100	85.0-115	

SAMPLE DUPLICATE: R3788778-3

Parameter	Units	L1488686-01 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	77.9	79.3	1.81	10	

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606560

QC Batch: 1857987
QC Batch Method: 9030B
Analysis Method: EPA 9030B
Analysis Description: Wet Chemistry 9034/9030B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10606560001, 10606560002

METHOD BLANK: R3788703-1 Matrix: Solid
Associated Lab Samples: 10606560001, 10606560002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/kg	ND	75.0	30.0	05/05/22 18:00	

LABORATORY CONTROL SAMPLE: R3788703-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/kg	100	71.1	71.1	53.8-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3788703-3 R3788703-4

Parameter	Units	L1488556-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/kg	ND	100	100	69.5	66.7	69.5	66.7	10.0-136	4.06	20	

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606560

QC Batch: 1860960
QC Batch Method: 9030B
Analysis Method: EPA 9030B
Analysis Description: Wet Chemistry 9034/9030B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10606560003

METHOD BLANK: R3789628-1 Matrix: Solid
Associated Lab Samples: 10606560003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/kg	ND	75.0	30.0	05/09/22 12:00	

LABORATORY CONTROL SAMPLE: R3789628-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/kg	100	67.1	67.1	53.8-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3789628-3 R3789628-4

Parameter	Units	10606560003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/kg	126	142	142	237	230	111	104	10.0-136	3.02	20	

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QUALIFIERS

Project: D3593500-Revised Report
Pace Project No.: 10606560

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 10606560

[1]

SAMPLE QUALIFIERS

Sample: 10606560001

[1] Semi Volatile Organic Compounds (GC/MS) by Method 8270E - Dilution due to matrix impact during extract concentration procedure

Sample: 10606560003

[1] Semi Volatile Organic Compounds (GC/MS) by Method 8270E - Dilution due to matrix impact during extract concentration procedure

ANALYTE QUALIFIERS

J Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.

N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: D3593500-Revised Report
Pace Project No.: 10606560

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10606560001	**BNSF-L320-042922-0-2**	EPA 3550	812903	NWTPH-Dx	814391
10606560002	**BNSF-I120-042922-0-6**	EPA 3550	812903	NWTPH-Dx	814391
10606560003	**BNSF-BG20-042922-0-10**	EPA 3550	812903	NWTPH-Dx	814391
10606560001	**BNSF-L320-042922-0-2**	EPA 3050B	812968	EPA 6020B	813287
10606560002	**BNSF-I120-042922-0-6**	EPA 3050B	812968	EPA 6020B	813287
10606560003	**BNSF-BG20-042922-0-10**	EPA 3050B	812968	EPA 6020B	813287
10606560001	**BNSF-L320-042922-0-2**	EPA 7471B	812970	EPA 7471B	814205
10606560002	**BNSF-I120-042922-0-6**	EPA 7471B	812970	EPA 7471B	814205
10606560003	**BNSF-BG20-042922-0-10**	EPA 7471B	812970	EPA 7471B	814205
10606560001	**BNSF-L320-042922-0-2**	ASTM D2974	812703		
10606560002	**BNSF-I120-042922-0-6**	ASTM D2974	812703		
10606560003	**BNSF-BG20-042922-0-10**	ASTM D2974	812703		
10606560001	**BNSF-L320-042922-0-2**	3546	1861634	EPA 8270E	1861634
10606560002	**BNSF-I120-042922-0-6**	3546	1861634	EPA 8270E	1861634
10606560003	**BNSF-BG20-042922-0-10**	3546	1861634	EPA 8270E	1861634
10606560001	**BNSF-L320-042922-0-2**	SM 2540 G	1858339	SM 2540G	1858339
10606560002	**BNSF-I120-042922-0-6**	SM 2540 G	1858339	SM 2540G	1858339
10606560003	**BNSF-BG20-042922-0-10**	SM 2540 G	1858339	SM 2540G	1858339
10606560001	**BNSF-L320-042922-0-2**	9030B	1857987	EPA 9030B	1857987
10606560002	**BNSF-I120-042922-0-6**	9030B	1857987	EPA 9030B	1857987
10606560003	**BNSF-BG20-042922-0-10**	9030B	1860960	EPA 9030B	1860960

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workord... Pace Workorder Number or ALL SHADED

WO#: 10606560

10606560

Container Preservative Type: U U U U U U U

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc ... (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Company: JACOBS	Billing Information: SEE CONTRACT
Address: 2020 SW 4th AVE, SUITE 300 PDX, 97201	
Report To: KRIS IVARSON	Email To: KRIS.IVARSON@JACOBS.COM BERNICE.KIDD@JACOBS.COM
Copy To: BERNEY KIDD	Site Collection Info/Address: BNSF WISHRAM
Customer Project Name/Number: D3593500	State: WA County/City: KLICKITAT Time Zone Collected: [X] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #: WISHRAM BNSF
Collected By (print): J. WRIGHT	Purchase Order #: Quote #: SEE CONTRACT
Collected By (signature):	Turnaround Date Required: STNDRD
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Compliance Monitoring? [ ] Yes [ ] No
	DW PWS ID #: DW Location Code:
	Immediately Packed on Ice: [X] Yes [ ] No
	Field Filtered (if applicable): [ ] Yes [X] No Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Ammonia (SM4500 NH3)	T. Sulfides (SW9030)	Metals (SW6020B) (SW7470B)	PCB Congeners (EPA1668C)	Dioxins/Furans (EPA1613B)	TPH DRO & RRO (NWTPH-Dx)	SVOCs (SW8270E-SIM)	PAHs (SW8270E-SIM)	Grain Size (D422)	Lab Profile/Line:
BNSF-L320-042922-0-	2	SL	COMP	4/29/22	0955	4/29/22	1000		7	X	X	X	X	X	X	X		001
BNSF-I120-042922-0-	6	SL	COMP	4/29/22	~~09~~ 1040	4/29/22	1045		7	X	X	X	X	X	X	X		002
BNSF-B620-042922-0-10		SL	G	4/29/22	1125				~~7~~	X	X	X	X	X	X	X		003
BNSF-B620-042922-0-10-MS		SL	G	4/29/22	1125				6	X	X	X	X	X	X			004
BNSF-B620-042922-0-10-	MSD	SL	G	4/29/22	1125				6	X	X	X	X	X	X			005

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

~~DUP~~ 5 (003)

PCB/DIOXIN/FURAN 1/2 FULL 004 (004)
TO MEET MIN VOL REQS ~~DUP~~
~~TO INSUFFICIENT~~

Customer Remarks / Special Conditions / Possible Hazards:
AMMONIA & T. SULFIDES HAVE SHORT HOLD TIMES

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2743843

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: (Y) N NA
Therm ID#: 1
Cooler 1 Temp Upon Receipt: _____oC
Cooler 1 Therm Corr. Factor: _____oC
Cooler 1 Corrected Temp: _____oC
Comments: 8.9°C

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Caleb Torgerson/Jacobs	4/29/22 1530	/PACE	5.2.22 8:50
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Non Conformance(s): YES / NO

	DC#_Title: ENV-FRM-MIN4-0149 v03_Sample Condition Upon Receipt (SCUR) - ESI
Pace ANALYTICAL SERVICES	Effective Date: 04/12/2022

Sample Condition Upon Receipt – ESI Tech Specs

Client Name: Jacobs

Project #: WO#: 10606560

PM: JMA Due Date: 05/16/22

CLIENT: 11 Jacobs

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial

Tracking Number: 272601041946 See Exceptions ☐ ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other: _____ Temp Blank? ☑ Yes ☐ No

Thermometer: ☑ T1(0461) ☐ T2(1336) ☐ T3(0459) ☐ T4(0254) ☐ T5(0489) ☐ T6(0235) ☐ T7(0042) Type of Ice: ☑ Wet ☐ Blue ☐ None ☐ Dry ☐ Melted

Temp should be above freezing to 6°C Cooler Temp Read w/temp blank: 8.9 °C

Correction Factor: true Cooler Temp Corrected w/temp blank: 8.9 °C

Average Corrected Temp (no temp blank only): °C ☐ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container

USDA Regulated Soil: (☐ N/A, water sample/Other: _____) Date/Initials of Person Examining Contents: ED 5·2·22

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐ Yes ☑ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☑ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present and Filled Out?	☑ Yes	☐ No		1.
Chain of Custody Relinquished?	☑ Yes	☐ No		2.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	3.
Samples Arrived within Hold Time?	☑ Yes	☐ No		4.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No		5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E coli ☐ BOD/cBOD ☐ Hex Chrome ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other_____
Rush Turn Around Time Requested?	☐ Yes	☑ No		6.
Sufficient Sample Volume?	☑ Yes	☐ No		
Triple Volume Provided for MS/MSD (if more than 10 samples)?	☐ Yes	☐ No	☑ N/A	7.
Correct Containers Used?	☑ Yes	☐ No		8.
-Pace Containers Used?	☑ Yes	☐ No		
Containers Intact?	☑ Yes	☐ No		9.
Field Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Is sufficient information available to reconcile the samples to the COC?	☑ Yes	☐ No		11. If no, write ID/ Date/Time on Container Below: See Exception ☐ ENV-FRM-MIN4-0142
Matrix: ☐ Water ☑ Soil ☐ Oil ☐ Other_____				
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☑ N/A	12. Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☐ Yes	☐ No	☑ N/A	☐ NaOH ☐ HNO_3 ☐ H_2SO_4 ☐ Zinc Acetate
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS *If adding preservative to a container it must be added to associated field and equipment blanks (verify with PM first)	☐ Yes	☐ No	☑ N/A	Positive for Res. Chlorine? ☐ Yes ☐ No pH Paper Lot# See Exception ☐ ENV-FRM-MIN4-0142
				Res. Chlorine | 0-6 Roll | 0-6 Strip | 0-14 Strip
Extra labels present on soil VOA or WIDRO containers?	☐ Yes	☐ No	☑ N/A	13. See Exception ☐ ENV-FRM-MIN4-0140
Headspace in VOA Vials (greater than 6mm)?	☐ Yes	☐ No	☑ N/A	
3 Trip Blanks Present?	☐ Yes	☐ No	☑ N/A	14.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	Pace Trip Blank Lot # (if purchased):

Temp Log: Temp must be maintained at <6°C during login, record temp every 20 mins			
Opened Time: 9:30	Temp: 8.9	Corrected Temp: 8.9	
Time: 9:50	put in cooler		
Time:	Temp:	Corrected Temp:	

CLIENT NOTIFICATION/RESOLUTION Field Data Required? ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: _____ Date: 5/2/22

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers)

Labeled by: ED 2

Internal Transfer Chain of Custody

Pace Analytical®
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: WA
Cert. Needed: [x] Yes ☐ No
Owner Received Date: 5/2/2022 Results Requested By: 5/23/2022

Workorder: 10606560 **Workorder Name:** D3593500

Report To	Subcontract To
Kongmeng Vang Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone (612)607-1700	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

JGFU

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Requested Analysis: 8270 SVOC - Pace National	Sulfides SW9030 - Pace National	LAB USE ONLY
1	BNSF-L320-042922-0-2	PS	4/29/2022 10:00	10606560001	Solid	2	X	X	01
2	BNSF-I120-042922-0-6	PS	4/29/2022 10:45	10606560002	Solid	2	X	X	02
3	BNSF-BG20-042922-010	RQS	4/29/2022 11:25	10606560003	Solid	2	X	X	03
4									
5									

L1488800

Transfers	Released By	Date/Time	Received By	Date/Time
1	CSM/Pace	5.2.22 15:55	[signature]	5/3/22 0930
2				
3				

Comments

Cooler Temperature on Receipt ____ °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

5466 8884 5100

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N	DRA7	
Sufficient volume sent:	Y N		
RAD Screen <0.5 mR/hr:	Y N	3.0 +0 = 3.0	

8270 SVOC List

Semi-volatile Organic Compounds and Polycy
3&4-Methylphenol
Benzoic acid
Bis(2-ethylhexyl) phthalate
Carbazole
Dibenzofuran
Di-n-butyl phthalate
Di-n-octyl phthalate
Pentachlorophenol
Phenol
1-Methylnaphthalene
2-Methylnaphthalene
Acenaphthene
Acenaphthylene
Anthracene
Benz(a)anthracene
Benzo(a)pyrene
Benzo(ghi)perylene
Chrysene
Dibenz(ah)anthracene
Fluoranthene
Fluorene
Indeno(123-cd)pyrene
Naphthalene
Phenanthrene
Pyrene
Benzo(b)fluoranthene
Benzo(k)fluoranthene

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-113471-1
Client Project/Site: D3593500 10606560
Revision: 1

For:
Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, Minnesota 55414

Attn: Kongmeng Vang

Authorized for release by:
6/20/2022 1:06:55 PM

Pauline Matlock, Project Manager
(253)922-2310
Pauline.Matlock@et.eurofinsus.com

LINKS
Review your project results through my EOL
Have a Question? Ask The Expert
Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 580-113471-1

Laboratory: Eurofins Seattle

Narrative

Job Narrative
580-113471-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 5/26/2022. The report (revision 1) is being revised due to: Error in sample ID, Sample BNSF-BG20-042922-0-010 should actually be BNSF-BG20-042922-0-10.

Receipt
The samples were received on 5/5/2022 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.3º C.

Receipt Exceptions
Two containers were received of the following sample: BNSF-BG20-042922-0-10 (580-113471-3). Only one was received of the other samples.

General Chemistry
Method 350.1 The method blank for analytical batch 580-391448 contained Ammonia above the method detection limit. This target analyte concentration was less than half of the reporting limit (1/2RL); therefore re-extraction and re-analysis of samples was not performed.

Method 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batches 580-391244 and 580-391445 and analytical batch 580-391448 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 9060A: The sample duplicate (DUP) precision for analytical batch 580-390261 was outside control limits. Sample matrix interference is suspected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606560

Job ID: 580-113471-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Client Sample Results

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606560

Job ID: 580-113471-1

Client Sample ID: BNSF-L320-042922-0-2
Date Collected: 04/29/22 10:00
Date Received: 05/05/22 09:45

Lab Sample ID: 580-113471-1
Matrix: Solid
Percent Solids: 79.8

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	30000		3000	100	mg/Kg	☼		05/10/22 18:39	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	79.8		0.1	0.1	%			05/18/22 15:50	1
Percent Moisture	20.2		0.1	0.1	%			05/18/22 15:50	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	10	J B	30	10	mg/Kg	☼	05/21/22 22:51	05/21/22 23:10	1

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606560

Job ID: 580-113471-1

Client Sample ID: BNSF-I120-042922-0-6
Date Collected: 04/29/22 10:45
Date Received: 05/05/22 09:45

Lab Sample ID: 580-113471-2
Matrix: Solid
Percent Solids: 67.0

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	5000		3000	100	mg/Kg	☼		05/10/22 18:59	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	67.0		0.1	0.1	%			05/18/22 15:50	1
Percent Moisture	33.0		0.1	0.1	%			05/18/22 15:50	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	20	J B	40	10	mg/Kg	☼	05/21/22 22:51	05/21/22 23:10	1

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606560

Job ID: 580-113471-1

Client Sample ID: BNSF-BG20-042922-0-10
Date Collected: 04/29/22 11:25
Date Received: 05/05/22 09:45

Lab Sample ID: 580-113471-3
Matrix: Solid
Percent Solids: 64.9

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	7000		3000	100	mg/Kg	☼		05/10/22 19:03	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	64.9		0.1	0.1	%			05/18/22 15:50	1
Percent Moisture	35.1		0.1	0.1	%			05/18/22 15:50	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	30	J F1 B	40	10	mg/Kg	☼	05/21/22 22:51	05/21/22 23:10	1

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 580-391244/1-B
Matrix: Solid
Analysis Batch: 391448

Client Sample ID: Method Blank
Prep Type: Soluble
Prep Batch: 391445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	9.0	J	30	9	mg/Kg		05/21/22 22:51	05/21/22 23:10	1

Lab Sample ID: LCS 580-391244/2-B
Matrix: Solid
Analysis Batch: 391448

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 391445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	50.0	50		mg/Kg		100	90 - 110

Lab Sample ID: 580-113471-3 MS
Matrix: Solid
Analysis Batch: 391448

Client Sample ID: BNSF-BG20-042922-0-10
Prep Type: Soluble
Prep Batch: 391445

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	30	J F1 B	76.0	86	F1	mg/Kg	☼	80	90 - 110

Lab Sample ID: 580-113471-3 MSD
Matrix: Solid
Analysis Batch: 391448

Client Sample ID: BNSF-BG20-042922-0-10
Prep Type: Soluble
Prep Batch: 391445

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia as N	30	J F1 B	74.8	85	F1	mg/Kg	☼	80	90 - 110	2	20

Lab Sample ID: 580-113471-3 DU
Matrix: Solid
Analysis Batch: 391448

Client Sample ID: BNSF-BG20-042922-0-10
Prep Type: Soluble
Prep Batch: 391445

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia as N	30	J F1 B	27	J	mg/Kg	☼	7	20

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-390261/5
Matrix: Solid
Analysis Batch: 390261

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	ND		2000	100	mg/Kg			05/10/22 17:35	1

Lab Sample ID: LCS 580-390261/6
Matrix: Solid
Analysis Batch: 390261

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Duplicates	120000	110000		mg/Kg		95	80 - 120

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCSD 580-390261/7
Matrix: Solid
Analysis Batch: 390261

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates			120000	110000		mg/Kg		95	80 - 120	0	20

Lab Sample ID: 580-113471-1 MS
Matrix: Solid
Analysis Batch: 390261

Client Sample ID: BNSF-L320-042922-0-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Duplicates	30000		150000	170000		mg/Kg	☼	93	75 - 125		

Lab Sample ID: 580-113471-1 MSD
Matrix: Solid
Analysis Batch: 390261

Client Sample ID: BNSF-L320-042922-0-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates	30000		150000	160000		mg/Kg	☼	90	75 - 125	3	20

Lab Sample ID: 580-113471-1 DU
Matrix: Solid
Analysis Batch: 390261

Client Sample ID: BNSF-L320-042922-0-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon - Duplicates	30000			24000		mg/Kg	☼			16	20

Client Sample ID: BNSF-L320-042922-0-2 — **Lab Sample ID: 580-113471-1**
Date Collected: 04/29/22 10:00 — **Matrix: Solid**
Date Received: 05/05/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	391086	05/18/22 15:50	JSM	FGS SEA

Client Sample ID: BNSF-L320-042922-0-2 — **Lab Sample ID: 580-113471-1**
Date Collected: 04/29/22 10:00 — **Matrix: Solid**
Date Received: 05/05/22 09:45 — **Percent Solids: 79.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			391244	05/19/22 17:34	MLT	FGS SEA
Soluble	Prep	Distill/Ammonia			391445	05/21/22 22:51	MLT	FGS SEA
Soluble	Analysis	350.1		1	391448	05/21/22 23:10	MLT	FGS SEA
Total/NA	Analysis	9060A		1	390261	05/10/22 18:39	N1R	FGS SEA

Client Sample ID: BNSF-I120-042922-0-6 — **Lab Sample ID: 580-113471-2**
Date Collected: 04/29/22 10:45 — **Matrix: Solid**
Date Received: 05/05/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	391086	05/18/22 15:50	JSM	FGS SEA

Client Sample ID: BNSF-I120-042922-0-6 — **Lab Sample ID: 580-113471-2**
Date Collected: 04/29/22 10:45 — **Matrix: Solid**
Date Received: 05/05/22 09:45 — **Percent Solids: 67.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			391244	05/19/22 17:34	MLT	FGS SEA
Soluble	Prep	Distill/Ammonia			391445	05/21/22 22:51	MLT	FGS SEA
Soluble	Analysis	350.1		1	391448	05/21/22 23:10	MLT	FGS SEA
Total/NA	Analysis	9060A		1	390261	05/10/22 18:59	N1R	FGS SEA

Client Sample ID: BNSF-BG20-042922-0-10 — **Lab Sample ID: 580-113471-3**
Date Collected: 04/29/22 11:25 — **Matrix: Solid**
Date Received: 05/05/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	391086	05/18/22 15:50	JSM	FGS SEA

Client Sample ID: BNSF-BG20-042922-0-10 — **Lab Sample ID: 580-113471-3**
Date Collected: 04/29/22 11:25 — **Matrix: Solid**
Date Received: 05/05/22 09:45 — **Percent Solids: 64.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			391244	05/19/22 17:34	MLT	FGS SEA
Soluble	Prep	Distill/Ammonia			391445	05/21/22 22:51	MLT	FGS SEA
Soluble	Analysis	350.1		1	391448	05/21/22 23:10	MLT	FGS SEA
Total/NA	Analysis	9060A		1	390261	05/10/22 19:03	N1R	FGS SEA

Lab Chronicle

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606560

Job ID: 580-113471-1

Laboratory References:

FGS SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606560

Job ID: 580-113471-1

Laboratory: Eurofins Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4167	07-07-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Solids

Sample Summary

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606560

Job ID: 580-113471-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-113471-1	BNSF-L320-042922-0-2	Solid	04/29/22 10:00	05/05/22 09:45
580-113471-2	BNSF-I120-042922-0-6	Solid	04/29/22 10:45	05/05/22 09:45
580-113471-3	BNSF-BG20-042922-0-10	Solid	04/29/22 11:25	05/05/22 09:45

Chain of Custody

PASI Minnesota Laboratory

Pace Analytical®
www.pacelabs.com

Workorder: 10606560 **Workorder Name:** D3593500 **Results Requested By:** 5/23/2022

Report / Invoice To	Subcontract To
Kongmeng Vang Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone (612)607-1700 Email: kongmeng.vang@pacelabs.com	P.O._____ Eurofins Frontier Global Sciences 5755 8th Street East Tacoma, WA 98424

State of Sample Origin: WA

JGFU

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	350.1 Ammonia - Eurofins	SW9060A TOC - Eurofins	LAB USE ONLY
1	BNSF-L320-042922-0-2	4/29/2022 10:00	10606560001	Solid	1	X	X	
2	BNSF-I120-042922-0-6	4/29/2022 10:45	10606560002	Solid	1	X	X	
3	BNSF-BG20-042922-010	4/29/2022 11:25	10606560003	Solid	1	X	X	
4								
5								

113471

Transfers	Released By	Date/Time	Received By	Date/Time
1	[signature]	5/4/22 1600	Tom [signature]	5/5/22 0945
2				
3				

Comments

Lvl 4 data package
Jacobs UPRR EQ EDD
Report to MDL, non-detects as ND

Cooler Temperature on Receipt °C	Custody Seal Y or N	Received on Ice Y or N	Samples Intact Y or N

Fed Po
MedRed/wet/6ub
IR# 1.3/1.7 w/cs

580-113471 Chain of Custody

Login Sample Receipt Checklist

Client: Pace Analytical Services, LLC

Job Number: 580-113471-1
SDG Number:

Login Number: 113471
List Number: 1
Creator: Blankinship, Tom X

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Pace Analytical
1673 Terra Avenue Sheridan, WY 82801 ph: (307) 672-8945

Date: 6/17/2022

CLIENT: Pace Analytical - Minneapolis
Project: 10606560 D3593500
Lab Order: S2205100

CASE NARRATIVE

Report ID: S2205100002
(Replaces S2205100001)

Entire Report Reviewed by: John M. Jacobs
John Jacobs, Project Manager

This report contains:

Case Narrative - 2 pages
Sample Analysis Report - 12 pages
Data Sheets- 3 pages
Original COC - 1 page

Samples BNSF-BG20-042922-0-10, BNSF-I120-042922-0-6 and BNSF-L320-042922-0-2 were received on May 4, 2022.

All samples were received and analyzed within the EPA recommended holding times, except those noted below in this case narrative. Samples were analyzed using the methods outlined in the following references:

U.S.E.P.A. 600 "Methods for Chemical Analysis of Water and Wastes", 1993
"Standard Methods For The Examination of Water and Wastewater", 20th ed., 1998
Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition
Methods indicated with the Monday, March 12, 2007 Federal Register, 40 CFR Part 122, 136 et al.
US EPA Methods from Technology Transfer Network Ambient Monitoring Technology Information Center, 2009

All Quality objectives were achieved except as noted below:

S2205100002 replaces report S2205100001. It is issued to revise a sample ID per client request.

Date: 6/17/2022

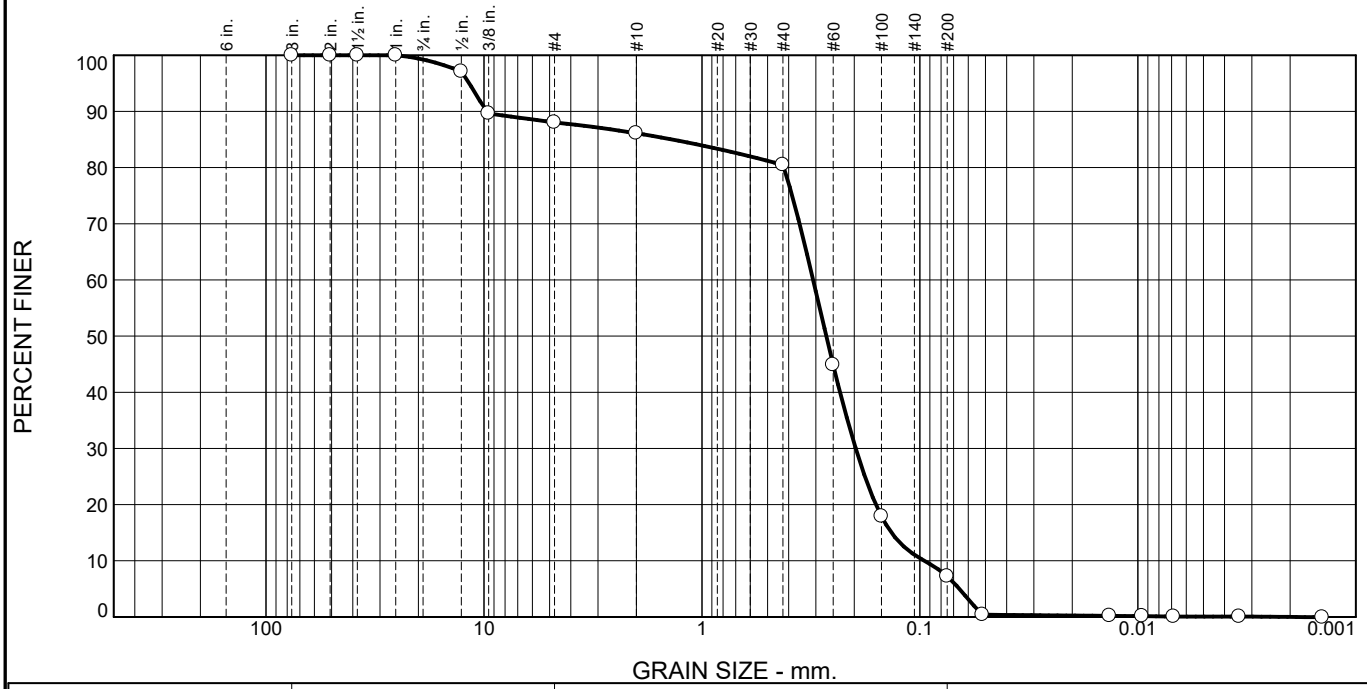
Definitions

RL	Reporting Limit

Qualifiers

*	Value exceeds Maximum Contaminant Level
A	Check MSA specifications
B	Analyte detected in the associated Method Blank
C	Calculated Value
D	Report limit raised due to dilution
E	Value above quantitation range
G	Analyzed at Pace Gillette, WY laboratory
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
L	Analyzed by another laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL
ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits
U	Analyte below method detection limit
X	Matrix Effect

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.8	11.2	1.9	5.6	73.3	7.1	0.1

TEST RESULTS (ASTM D 422)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
3"	100.0		
2"	100.0		
1.5"	100.0		
1"	100.0		
0.5"	97.1		
0.375	89.6		
#4	88.0		
#10	86.1		
#40	80.5		
#60	44.9		
#100	17.9		
#200	7.2		
0.0516 mm.	0.4		
0.0135 mm.	0.2		
0.0096 mm.	0.1		
0.0069 mm.	0.1		
0.0034 mm.	0.1		
0.0014 mm.			

* (no specification provided)

Material Description

poorly graded sand with silt

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=**

Classification

USCS (D 2487)= SP-SM **AASHTO (M 145)=** A-3

Coefficients

D_{90}= 9.6870 D_{85}= 1.3724 D_{60}= 0.3088
D_{50}= 0.2689 D_{30}= 0.1970 D_{15}= 0.1350
D_{10}= 0.0955 C_u= 3.24 C_c= 1.32

Remarks

SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)

Date Received: 5/4/2022 **Date Tested:** 5/18/2022

Tested By: Steve Holzerland

Checked By: John Jacobs

Title: Project Manager 2

Location: BNSF-L320-042922-0-2
Sample Number: S2205100-001A

Date Sampled: 4/29/2022

Pace Analytical Services, Inc.

Sheridan, Wyoming

Client: Pace Analytical-Minneapolis
Project: 10606560 D3593500

Project No: S2205100 **Figure**

GRAIN SIZE DISTRIBUTION TEST DATA

5/18/2022

Client: Pace Analytical-Minneapolis
Project: 10606560 D3593500
Project Number: S2205100
Location: BNSF-L320-042922-0-2
Sample Number: S2205100-001A
Material Description: poorly graded sand with silt
Sample Date: 4/29/2022 10:00
Date Received: 5/4/2022 **PL:** NP **LL:** NV
USCS Classification: SP-SM **AASHTO Classification:** A-3
Grain Size Test Method: ASTM D 422
Testing Remarks: SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)
Tested By: Steve Holzerland **Test Date:** 5/18/2022
Checked By: John Jacobs **Title:** Project Manager 2

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
159.19	0.00	3"	0.00	0.00	100.0
		2"	0.00	0.00	100.0
		1.5"	0.00	0.00	100.0
		1"	0.00	0.00	100.0
		0.5"	4.62	0.00	97.1
		0.375	11.88	0.00	89.6
		#4	2.54	0.00	88.0
		#10	3.07	0.00	86.1
70.15	0.00	#40	4.58	0.00	80.5
		#60	29.01	0.00	44.9
		#100	21.97	0.00	17.9
		#200	8.69	0.00	7.2

Pace Analytical Services, Inc.

Hydrometer Test Data

Hydrometer test uses material passing #200

Percent passing #200 based upon complete sample = 7.2

Weight of hydrometer sample =70.15

Automatic temperature correction

Composite correction (fluid density and meniscus height) at 20 deg. C = -6.33

Meniscus correction only = 0.0

Specific gravity of solids = 2.65

Hydrometer type = 152H

Hydrometer effective depth equation: L = 16.294964 **-** 0.164 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
1.00	21.0	10.0	3.8	0.0135	10.0	14.7	0.0516	0.4
15.00	21.0	8.0	1.8	0.0135	8.0	15.0	0.0135	0.2
30.00	21.0	7.5	1.3	0.0135	7.5	15.1	0.0096	0.1
60.00	20.0	7.0	0.6	0.0136	7.0	15.1	0.0069	0.1
240.00	20.0	7.0	0.6	0.0136	7.0	15.1	0.0034	0.1
1440.00	19.0	6.0	-0.6	0.0138	6.0	15.3	0.0014	-0.1

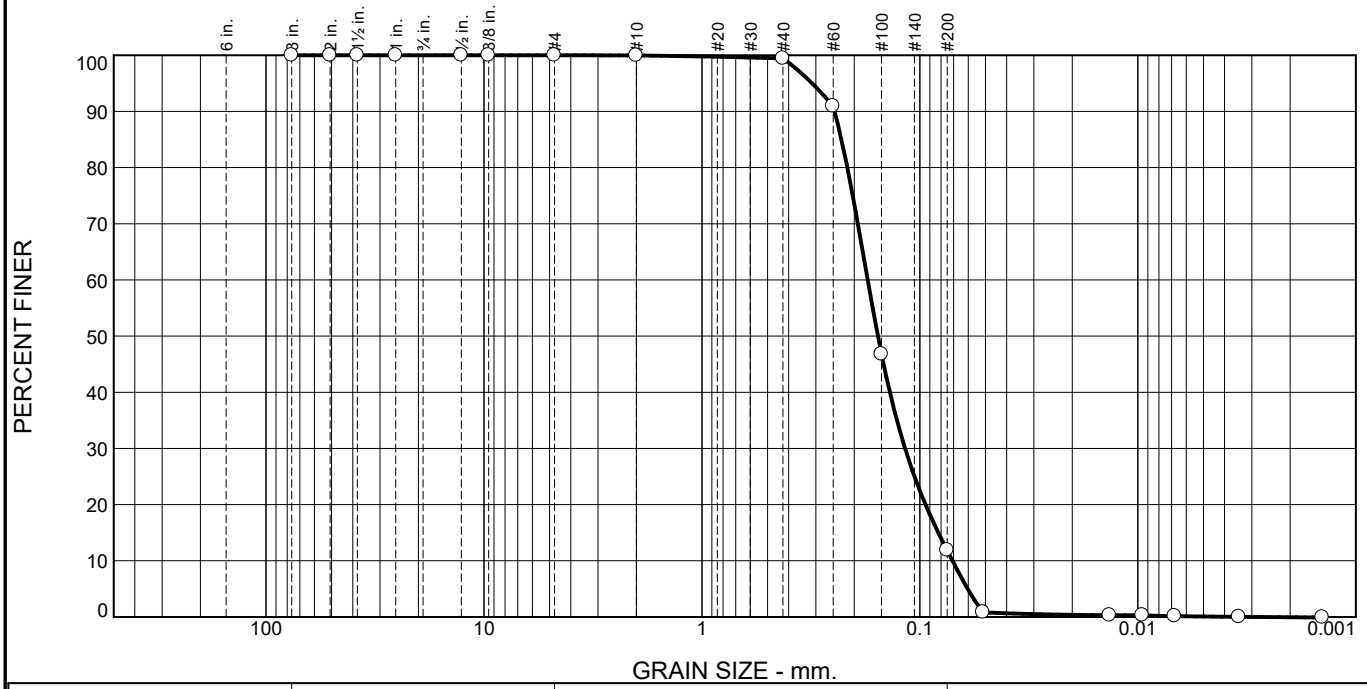
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.8	11.2	12.0	1.9	5.6	73.3	80.8	7.1	0.1	7.2

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.0660	0.0955	0.1350	0.1592	0.1970	0.2325	0.2689	0.3088	0.4210	1.3724	9.6870	11.6828

Fineness Modulus	C_u	C_c
1.94	3.24	1.32

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.0	0.6	87.5	11.8	0.1

TEST RESULTS (ASTM D 422)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
3"	100.0		
2"	100.0		
1.5"	100.0		
1"	100.0		
0.5"	100.0		
0.375	100.0		
#4	100.0		
#10	100.0		
#40	99.4		
#60	90.9		
#100	46.8		
#200	11.9		
0.0513 mm.	0.8		
0.0135 mm.	0.3		
0.0095 mm.	0.3		
0.0068 mm.	0.1		
0.0034 mm.	0.0		
0.0014 mm.			

* (no specification provided)

Material Description

poorly graded sand with silt

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=**

Classification

USCS (D 2487)= SP-SM **AASHTO (M 145)=** A-2-4(0)

Coefficients

D_{90}= 0.2462 D_{85}= 0.2289 D_{60}= 0.1736
D_{50}= 0.1557 D_{30}= 0.1171 D_{15}= 0.0823
D_{10}= 0.0709 C_u= 2.45 C_c= 1.11

Remarks

SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)

Date Received: 5/4/2022 **Date Tested:** 5/18/2022

Tested By: Steve Holzerland

Checked By: John Jacobs

Title: Project Manager 2

Location: BNSF-I120-042922-0-6
Sample Number: S2205100-002A

Date Sampled: 4/29/2022

Pace Analytical Services, Inc.

Sheridan, Wyoming

Client: Pace Analytical-Minneapolis
Project: 10606560 D3593500

Project No: S2205100 **Figure**

GRAIN SIZE DISTRIBUTION TEST DATA

5/18/2022

Client: Pace Analytical-Minneapolis
Project: 10606560 D3593500
Project Number: S2205100
Location: BNSF-I120-042922-0-6
Sample Number: S2205100-002A
Material Description: poorly graded sand with silt
Sample Date: 4/29/2022 10:45
Date Received: 5/4/2022 **PL:** NP **LL:** NV
USCS Classification: SP-SM **AASHTO Classification:** A-2-4(0)
Grain Size Test Method: ASTM D 422
Testing Remarks: SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)
Tested By: Steve Holzerland **Test Date:** 5/18/2022
Checked By: John Jacobs **Title:** Project Manager 2

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
125.14	0.00	3"	0.00	0.00	100.0
		2"	0.00	0.00	100.0
		1.5"	0.00	0.00	100.0
		1"	0.00	0.00	100.0
		0.5"	0.00	0.00	100.0
		0.375	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.05	0.00	100.0
70.82	0.00	#40	0.38	0.00	99.4
		#60	6.03	0.00	90.9
		#100	31.26	0.00	46.8
		#200	24.74	0.00	11.9

Pace Analytical Services, Inc.

Hydrometer Test Data

Hydrometer test uses material passing #200
Percent passing #200 based upon complete sample = 11.9
Weight of hydrometer sample =70.82
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = -6.33
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 152H
Hydrometer effective depth equation: L = 16.294964 **-** 0.164 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
1.00	21.0	11.0	4.8	0.0135	11.0	14.5	0.0513	0.8
15.00	21.0	8.0	1.8	0.0135	8.0	15.0	0.0135	0.3
30.00	21.0	8.0	1.8	0.0135	8.0	15.0	0.0095	0.3
60.00	21.0	7.0	0.8	0.0135	7.0	15.1	0.0068	0.1
240.00	20.0	6.5	0.1	0.0136	6.5	15.2	0.0034	0.0
1440.00	19.0	6.0	-0.6	0.0138	6.0	15.3	0.0014	-0.1

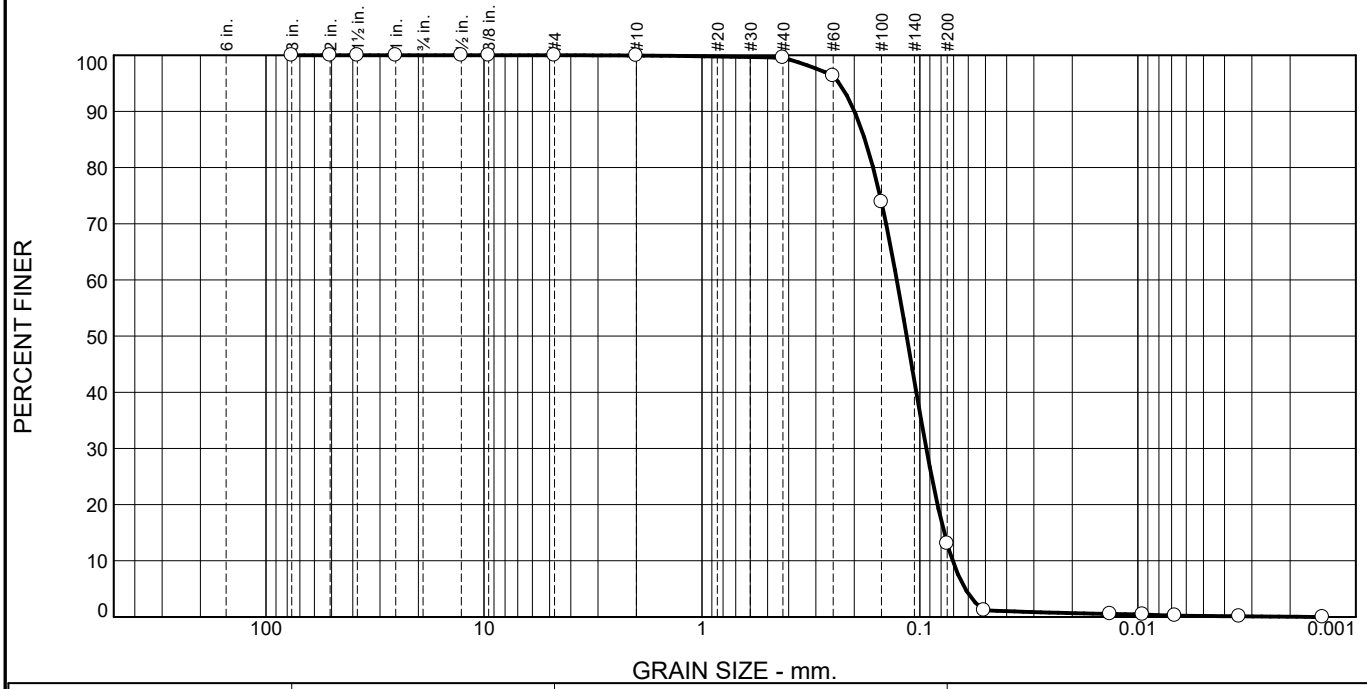
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	0.6	87.5	88.1	11.8	0.1	11.9

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.0604	0.0709	0.0823	0.0943	0.1171	0.1374	0.1557	0.1736	0.2151	0.2289	0.2462	0.3123

Fineness Modulus	C_u	C_c
0.59	2.45	1.11

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.1	0.3	86.5	12.9	0.2

TEST RESULTS (ASTM D 422)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
3"	100.0		
2"	100.0		
1.5"	100.0		
1"	100.0		
0.5"	100.0		
0.375	100.0		
#4	100.0		
#10	99.9		
#40	99.6		
#60	96.4		
#100	73.9		
#200	13.1		
0.0509 mm.	1.2		
0.0134 mm.	0.5		
0.0095 mm.	0.4		
0.0068 mm.	0.2		
0.0034 mm.	0.1		
0.0014 mm.			

* (no specification provided)

Material Description

silty sand

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=** NP

Classification

USCS (D 2487)= SM **AASHTO (M 145)=** A-2-4(0)

Coefficients

D_{90}= 0.1996 D_{85}= 0.1787 D_{60}= 0.1276
D_{50}= 0.1151 D_{30}= 0.0935 D_{15}= 0.0774
D_{10}= 0.0708 C_u= 1.80 C_c= 0.97

Remarks

SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)

Date Received: 5/4/2022 **Date Tested:** 5/18/2022

Tested By: Steve Holzerland

Checked By: John Jacobs

Title: Project Manager 2

Location: BNSF-BG20-042922-0-10
Sample Number: S2205100-003A

Date Sampled: 4/29/2022

Pace Analytical Services, Inc.

Sheridan, Wyoming

Client: Pace Analytical-Minneapolis
Project: 10606560 D3593500

Project No: S2205100 **Figure**

GRAIN SIZE DISTRIBUTION TEST DATA

6/17/2022

Client: Pace Analytical-Minneapolis
Project: 10606560 D3593500
Project Number: S2205100
Location: BNSF-BG20-042922-0-10
Sample Number: S2205100-003A
Material Description: silty sand
Sample Date: 4/29/2022 11:25
Date Received: 5/4/2022 **PL:** NP **LL:** NV **PI:** NP
USCS Classification: SM **AASHTO Classification:** A-2-4(0)
Grain Size Test Method: ASTM D 422
Testing Remarks: SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)
Tested By: Steve Holzerland **Test Date:** 5/18/2022
Checked By: John Jacobs **Title:** Project Manager 2

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
116.43	0.00	3"	0.00	0.00	100.0
		2"	0.00	0.00	100.0
		1.5"	0.00	0.00	100.0
		1"	0.00	0.00	100.0
		0.5"	0.00	0.00	100.0
		0.375	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.06	0.00	99.9
70.50	0.00	#40	0.27	0.00	99.6
		#60	2.26	0.00	96.4
		#100	15.86	0.00	73.9
		#200	42.88	0.00	13.1

Pace Analytical Services, Inc.

Hydrometer Test Data

Hydrometer test uses material passing #200
Percent passing #200 based upon complete sample = 13.1
Weight of hydrometer sample =70.50
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = -6.33
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 152H
Hydrometer effective depth equation: L = 16.294964 **-** 0.164 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
1.00	21.0	12.5	6.3	0.0135	12.5	14.2	0.0509	1.2
15.00	21.0	9.0	2.8	0.0135	9.0	14.8	0.0134	0.5
30.00	21.0	8.5	2.3	0.0135	8.5	14.9	0.0095	0.4
60.00	21.0	7.5	1.3	0.0135	7.5	15.1	0.0068	0.2
240.00	20.0	7.0	0.6	0.0136	7.0	15.1	0.0034	0.1
1440.00	19.0	6.5	-0.1	0.0138	6.5	15.2	0.0014	0.0

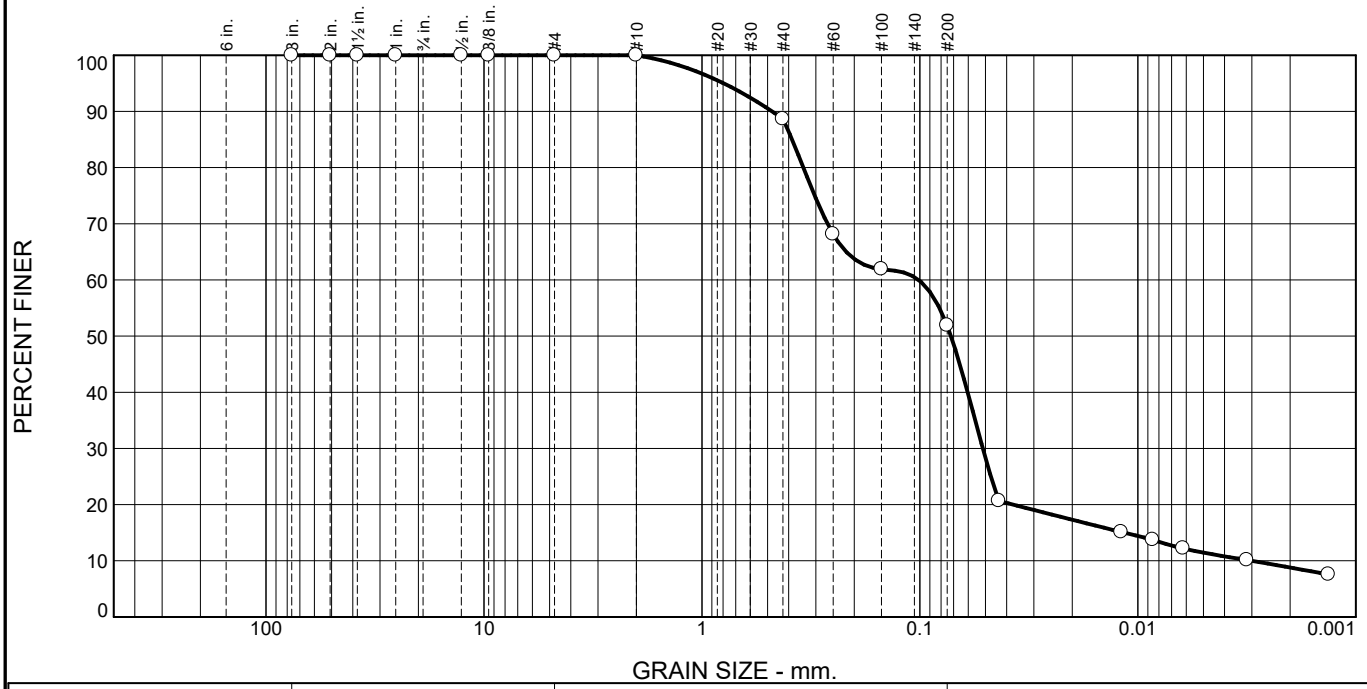
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.1	0.3	86.5	86.9	12.9	0.2	13.1

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.0620	0.0708	0.0774	0.0830	0.0935	0.1039	0.1151	0.1276	0.1638	0.1787	0.1996	0.2345

Fineness Modulus	C_u	C_c
0.29	1.80	0.97

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.0	11.3	36.8	40.5	11.4

TEST RESULTS (ASTM D 422)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
3"	100.0		
2"	100.0		
1.5"	100.0		
1"	100.0		
0.5"	100.0		
0.375	100.0		
#4	100.0		
#10	100.0		
#40	88.7		
#60	68.1		
#100	61.9		
#200	51.9		
0.0434 mm.	20.7		
0.0119 mm.	15.1		
0.0085 mm.	13.7		
0.0062 mm.	12.2		
0.0032 mm.	10.1		
0.0013 mm.	7.6		

* (no specification provided)

Material Description

sandy silt

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=**

Classification

USCS (D 2487)= ML **AASHTO (M 145)=** A-4(0)

Coefficients

D_{90}= 0.4765 D_{85}= 0.3861 D_{60}= 0.1014
D_{50}= 0.0720 D_{30}= 0.0515 D_{15}= 0.0115
D_{10}= 0.0030 C_u= 33.57 C_c= 8.65

Remarks

SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)

Date Received: **Date Tested:** 5/18/2022

Tested By: Steve Holzerland

Checked By: John Jacobs

Title: Project Manager 2

Location: LCS
Sample Number: LCS

Date Sampled:

Pace Analytical Services, Inc.

Sheridan, Wyoming

Client:
Project:

Project No: **Figure**

GRAIN SIZE DISTRIBUTION TEST DATA

5/18/2022

Location: LCS
Sample Number: LCS
Material Description: sandy silt
PL: NP **LL:** NV
USCS Classification: ML **AASHTO Classification:** A-4(0)
Grain Size Test Method: ASTM D 422
Testing Remarks: SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)
Tested By: Steve Holzerland **Test Date:** 5/18/2022
Checked By: John Jacobs **Title:** Project Manager 2

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
75.00	0.00	3"	0.00	0.00	100.0
		2"	0.00	0.00	100.0
		1.5"	0.00	0.00	100.0
		1"	0.00	0.00	100.0
		0.5"	0.00	0.00	100.0
		0.375	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.00	0.00	100.0
75.00	0.00	#40	8.50	0.00	88.7
		#60	15.39	0.00	68.1
		#100	4.68	0.00	61.9
		#200	7.50	0.00	51.9

Hydrometer Test Data

Hydrometer test uses material passing #200
Percent passing #200 based upon complete sample = 51.9
Weight of hydrometer sample =75.0
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = -6.33
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 152H
Hydrometer effective depth equation: L = 16.294964 **-** 0.164 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
1.00	21.0	36.0	29.8	0.0135	36.0	10.4	0.0434	20.7
15.00	21.0	28.0	21.8	0.0135	28.0	11.7	0.0119	15.1
30.00	21.0	26.0	19.8	0.0135	26.0	12.0	0.0085	13.7
60.00	20.0	24.0	17.6	0.0136	24.0	12.4	0.0062	12.2
240.00	20.0	21.0	14.6	0.0136	21.0	12.9	0.0032	10.1
1440.00	19.0	17.5	10.9	0.0138	17.5	13.4	0.0013	7.6

Pace Analytical Services, Inc.

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	11.3	36.8	48.1	40.5	11.4	51.9

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
	0.0030	0.0115	0.0374	0.0515	0.0604	0.0720	0.1014	0.3424	0.3861	0.4765	0.7949

Fineness Modulus	C_u	C_c
0.73	33.57	8.65

Internal Transfer Chain of Custody

10606560

☐ Samples Pre-Logged into eCOC.

State Of Origin: WA
Cert. Needed: [x] Yes ☐ No

Pace Analytical®
www.pacelabs.com

Workorder: 10606560 **Workorder Name:** D3593500 **Owner Received Date:** 5/2/2022 **Results Requested By:** 5/23/2022

Report To	Subcontract To
Kongmeng Vang Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone (612)607-1700	Pace Analytical Sheridan WY 1673 Terra Avenue Sheridan, WY 82801 Phone (307) 672-8945

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Requested Analysis: ASTM D422 Hydrometer - Pace WY	LAB USE ONLY
1	BNSF-L320-042922-0-2	PS	4/29/2022 10:00	10606560001	Solid	1	X	S220510-001
2	BNSF-I120-042922-0-6	PS	4/29/2022 10:45	10606560002	Solid	1	X	002
3	BNSF-BG20-042922-010	RQS	4/29/2022 11:25	10606560003	Solid	1	X	003
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1	CSM/Pace	5-3-22 7:10	Crystal Heman	5/4/22	1607
2					
3					

Cooler Temperature on Receipt °C | **Custody Seal** Y or N | **Received on Ice** Y or N | **Samples Intact** Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.*

Inter-Mountain Labs

Solution Preparation Log

Initials	Date	Solution	Preparation					Solution Lot #
			Chemical	Lot #	Amount	DI Volume	pH	
SH	Prep: 4-6-22	CEC	Ammonium Acetate	20-3214	711 g	10L	—	NH4AcE040622
							7.30	
	Expire: 10-6-22							
CH	Prep: 4/6/22	0.1 HCl	HCl	1826916	~~10 mL~~ 2mL	1 L	—	0.1HCl-040622
					1116 20mL			
	Expire: 10/6/22				2 1116 22			
SH	Prep: 4-11-22	CEC	Sodium Acetate	201286	272 g	2 L	—	NAACE041122
							5.45	
	Expire: 10-11-22							
CH	Prep: 4-12-22	1M KCl	KCl	10227405	2607.5g	35L	—	1MKCl-041222
	Expire: 10-12-22			10732595				
SH	Prep: 4-13-22	MA	Sodium carb	A042385C	198.5g	.25L	—	MA041322
	Expire: 10-13-22		Sodium Hex	A042385C	892.5g			
CH	Prep: 4/13/22	1MKCl	KCl	10232595	2607.5	3.5L	—	1MKCl-041322
	Expire: 10/13/22							
CH	Prep: 4/14/22	acid CEC	Amm. Acetate	203214	711.0g	10L	7.07	NH4Ac-041422
	Expire: 10/14/22							
CH	Prep: 4/15/22	mixed acid AS	HCl	195225	17mLs	2L	—	mixedacid 041522
	Expire: 10/15/22		Sulfuric	181072	1.4mLs			

10606560

1 Sod. Hex / Sod. carb. see solution prep. log copy
2 No. 10 Sieve (2.00 mm) W.S. Tyler Incorporated
3 Amrex Instruments Inc Gyromax 818 orbital Shaker
SN: A114 1010 501-40
4 No. 200 sieve Fisher Brand SN: 2119 12174
5 VWR Scientific Inc convection oven
6 Geosystem Soils Test Software version 5
7 Ro-Tap RX-29 SN: 16763
8. No 4 Sieve Soil Test Inc. 4.75 mm
9 3/8" sieve Soil Test, Inc. 9.5 mm
10 1/2" sieve Gilson Company 16.0 mm
11. Hydrometer: Fisher Brand / ERTCO No. 32982
ASTM 152 H
12. Thermometer: Fisher Brand / ERTCO SN: 05169100

Sieve/Hydrometer

1/2" 4.62

3/8" 11.88

	Sample #	S22051100 -001	002	003				
	Initial Wt (g)	159.19	125.14	116.43				
	Sieve #	Weight Retained (g)	Weight Retained (g)	Weight Retained (g)	Weight Retained (g)	Weight Retained (g)	Weight Retained (g)	Weight Retained (g)
	4	2.54	0 ~~.05 SPLIT~~	0				
5-14-22	10	3.07	.05	.06				
	40	4.58	.38	.27				
5-18-22	60	29.01	6.03	2.26				
	100	21.97	31.26	15.86				
	200	8.69	24.74	42.88				
	Sample Wt	70.15	70.82	70.50				
5-16-22	Start Time	10:31	10:32	10:33				
	Minutes	Read Temp						
	1	10 21	11 21	12.5 21				
	15	8 21	8 21	9 21				
	30	7.5 21	8 21	8.5 21				
	60	7 20	7 21	7.5 21				
	240	7 20	6.5 20	7 20				
5-17-22	1440	6 19 (2)	6 19 (4)	6.5 19 (3)				

Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 10606560

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GC-FID DRO - FORM II SVOA-1
SOLID SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No.: 10606560 Contract: D3593500

Instrument ID: 10GCSF

LAB SAMPLE ID	SAMPLE NAME	NTCS	OTER
4310214	4310214BLANK	101	91
4310215	4310215LCS	100	89
4310216	4310216MS	98	74
4310217	4310217MSD	105	80
10606560001	BNSF-L320-042922-0-2	91	69
10606560002	BNSF-I120-042922-0-6	95	55
10606560003	BNSF-BG20-042922-0-10	102	81

	QC LIMITS
(NTCS) = n-Triacontane (S)	(50-150)
(OTER) = o-Terphenyl (S)	(50-150)

* Values outside of QC Limits

GC-FID DRO - FORM III SVOA-1
SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota
Lab Sample ID: 4310215LCS
Date Extracted: 05/03/2022
Date Analyzed (1): 05/12/2022
Instrument: 10GCSF
LCS Lot No: 358262
Lab File ID: 051122F.B\0511F0000064.D
SDG No.: 10606560

COMPOUND	AMOUNT ADDED (mg/kg)	LCS CONCENTRATION (mg/kg)	LCS %REC	QC LIMITS REC.
Diesel Fuel Range	50.0	48.2	96	50-150
Motor Oil Range	50.0	47.7	95	50-150

Spike Recovery: 0 out of 2 outside limits.

GC-FID DRO - FORM III SVOA-1

SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Minnesota

Matrix Spike - Sample No: 4310216MS

Date Extracted: 05/03/2022

Date Analyzed (1): 05/12/2022

Instrument: 10GCSF

Lab File ID: 051122F.B\0511F0000072.D

Parent Sample ID: BNSF-BG20-042922-0-10

SDG No.: 10606560

COMPOUND	SPIKE ADDED (mg/kg)	SAMPLE CONCENTRATION (mg/kg)	MS CONCENTRATION (mg/kg)	MS %REC	QC LIMITS REC.
Diesel Fuel Range	74.0	ND	65.4	80	50-150
Motor Oil Range	74.0	31.6	80.1	66	50-150

Spike Recovery: 0 out of 2 outside limits.

GC-FID DRO - FORM III SVOA-2

SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 10GCSF

Matrix Spike Duplicate - Sample No: 4310217MSD

Lab File ID (2): 051122F.B\0511F0000073.D

Date Analyzed (2): 05/12/2022

COMPOUND	SPIKE ADDED (mg/kg)	MSD CONCENTRATION (mg/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
Diesel Fuel Range	74.0	69.5	85	6	0-30	50-150
Motor Oil Range	74.0	90.2	79	12	0-30	50-150

RPD: 0 out of 2 outside limits.

Spike Recovery: 0 out of 2 outside limits.

SAMPLE NO.

4310214BLANK

GC-FID DRO - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

Lab Name: Pace Analytical - Minnesota SDG No.: 10606560 Contract: D3593500

Instrument ID: 10GCSF Matrix: Solid Lab Sample ID: 4310214

Lab File ID: 051122F.B\0511F0000063.D Date Analyzed: 05/12/2022 Time: 01:04

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
4310215LCS	4310215	051122F.B\0511F0000064.D	05/12/2022 01:15
BNSF-I120-042922-0-6	10606560002	051122F.B\0511F0000070.D	05/12/2022 02:23
BNSF-BG20-042922-0-10	10606560003	051122F.B\0511F0000071.D	05/12/2022 02:34
4310216MS	4310216	051122F.B\0511F0000072.D	05/12/2022 02:45
4310217MSD	4310217	051122F.B\0511F0000073.D	05/12/2022 02:57
BNSF-L320-042922-0-2	10606560001	051222F.B\0512F0000047.D	05/12/2022 22:45

SAMPLE NO.

BNSF-L320-042922-0-2

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota Contract: D3593500
Date Received: 05/02/2022 08:50 Matrix: Solid SDG No.: 10606560
Date Extracted: 05/03/2022 17:14 Lab Sample ID: 10606560001
Date Analyzed: 05/12/2022 22:45 Lab File ID: 051222F.B\0512F0000047.D
Initial wt/vol: 10.11 g Final wt/vol: 1 mL Dilution: 5 Instrument: 10GCSF Percent Moisture: 23.4%

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/kg	Q
68334-30-5	Diesel Fuel Range	136	
	Motor Oil Range	503	

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051222F.b\0512F0000047.D
Lab Smp Id: 10606560001 Client Smp ID: BNSF-L320-042922-0-
Inj Date : 12-MAY-2022 22:45
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 10606560001x5
Misc Info : 39318
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051222F.b\GCSFakNW8015-050922_3928
Meth Date : 13-May-2022 08:46 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 40
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: SOIL
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf*Vt/(Ws*Vi*(100-M)/100) * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	0.00100	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Ws	10.110	Weight of the sample extracted (g)
Vi	1.000	Volume Injected (uL)
M	23.431	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (mg/Kg)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.568	2.570	-0.002	41845	6.87602	4.44	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.028	4.031	-0.003	44306	9.11055	5.88	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		3145562	779.366	503	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		3145562	779.705	504	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		1175064	210.401	136	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		1175064	210.401	136	(M)	RNG

QC Flag Legend

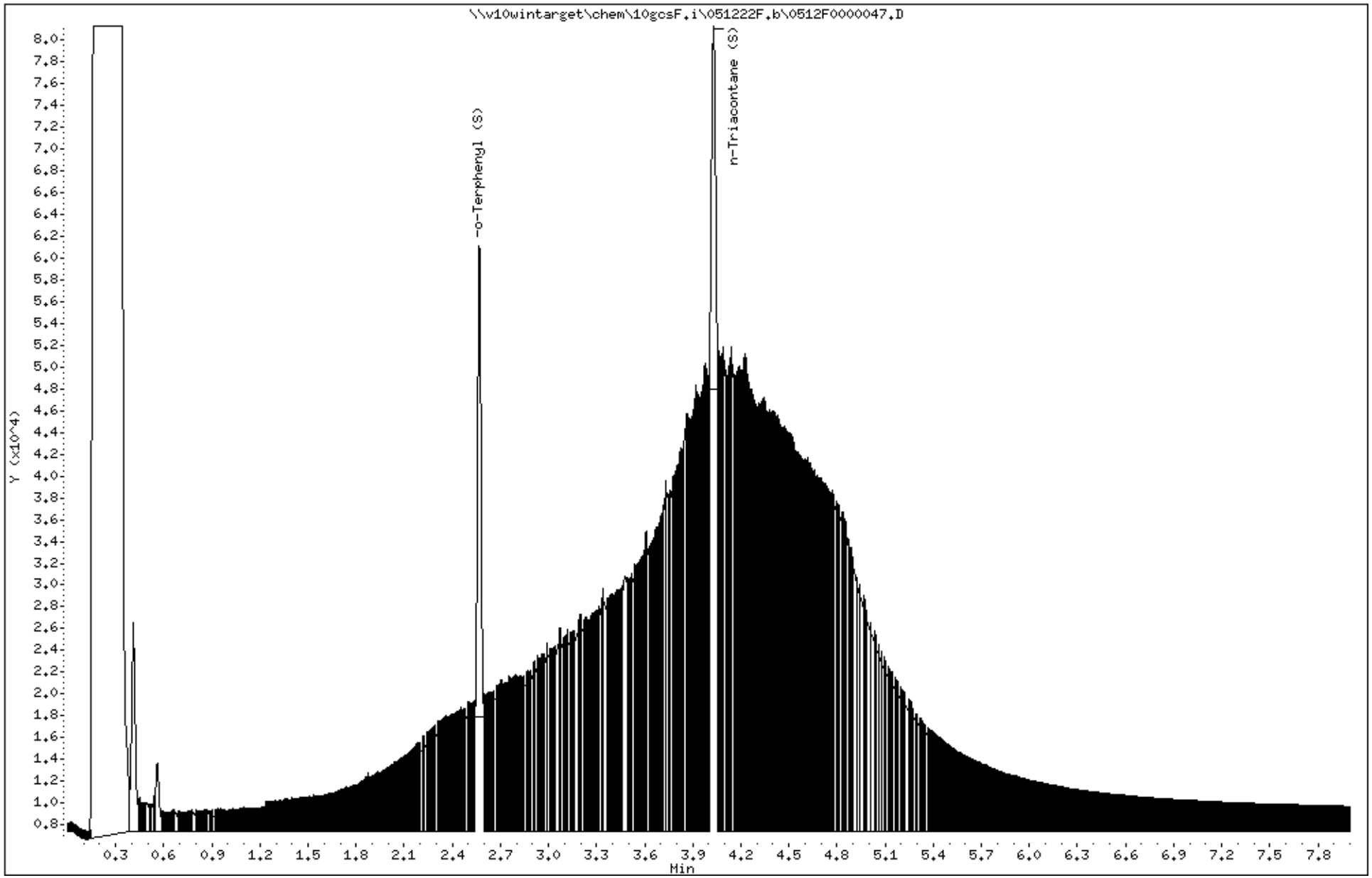
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

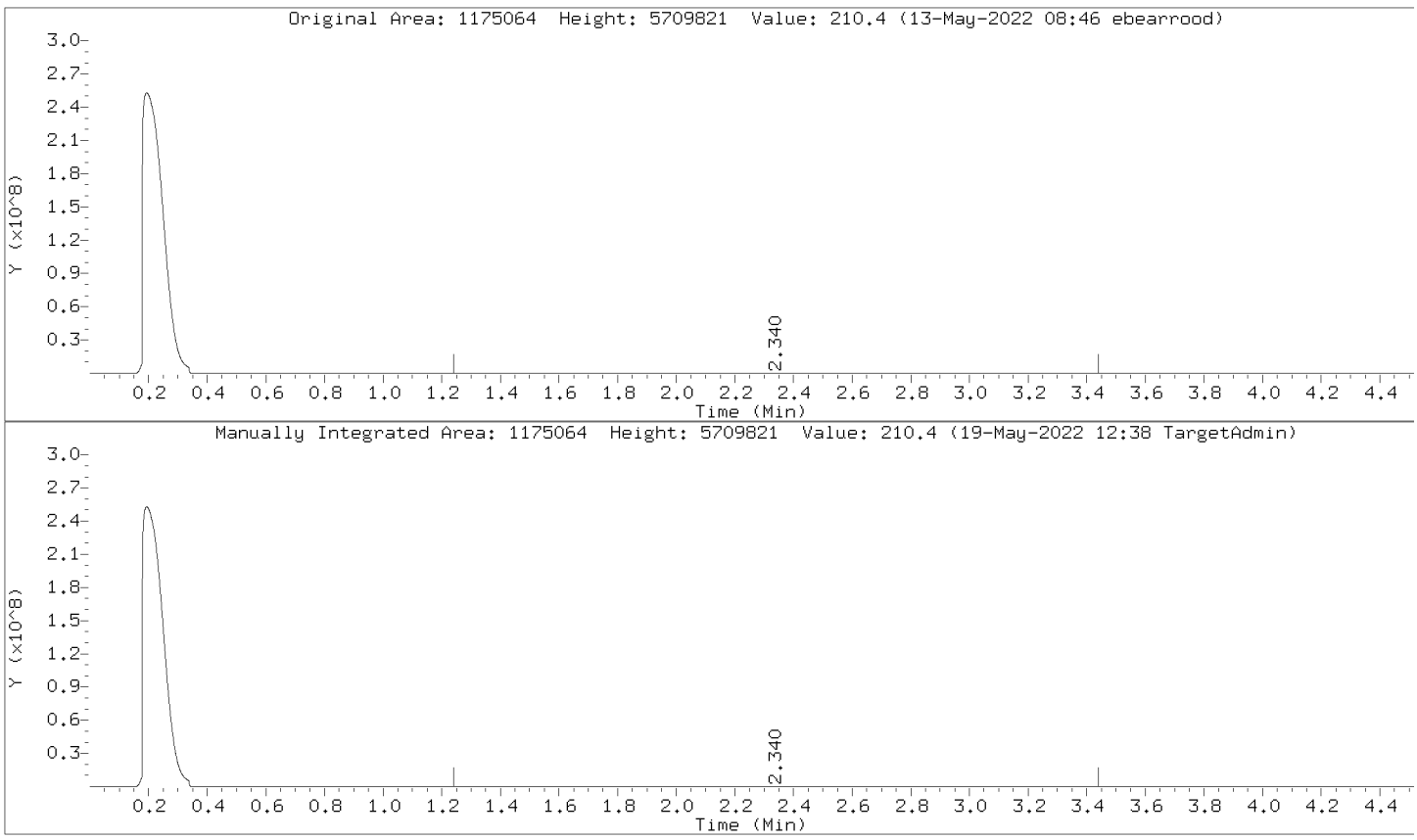
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b\0512F0000047.D
Date : 12-MAY-2022 22:45
Client ID: BNSF-L320-042922-0-
Sample Info: 10606560001X5
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32



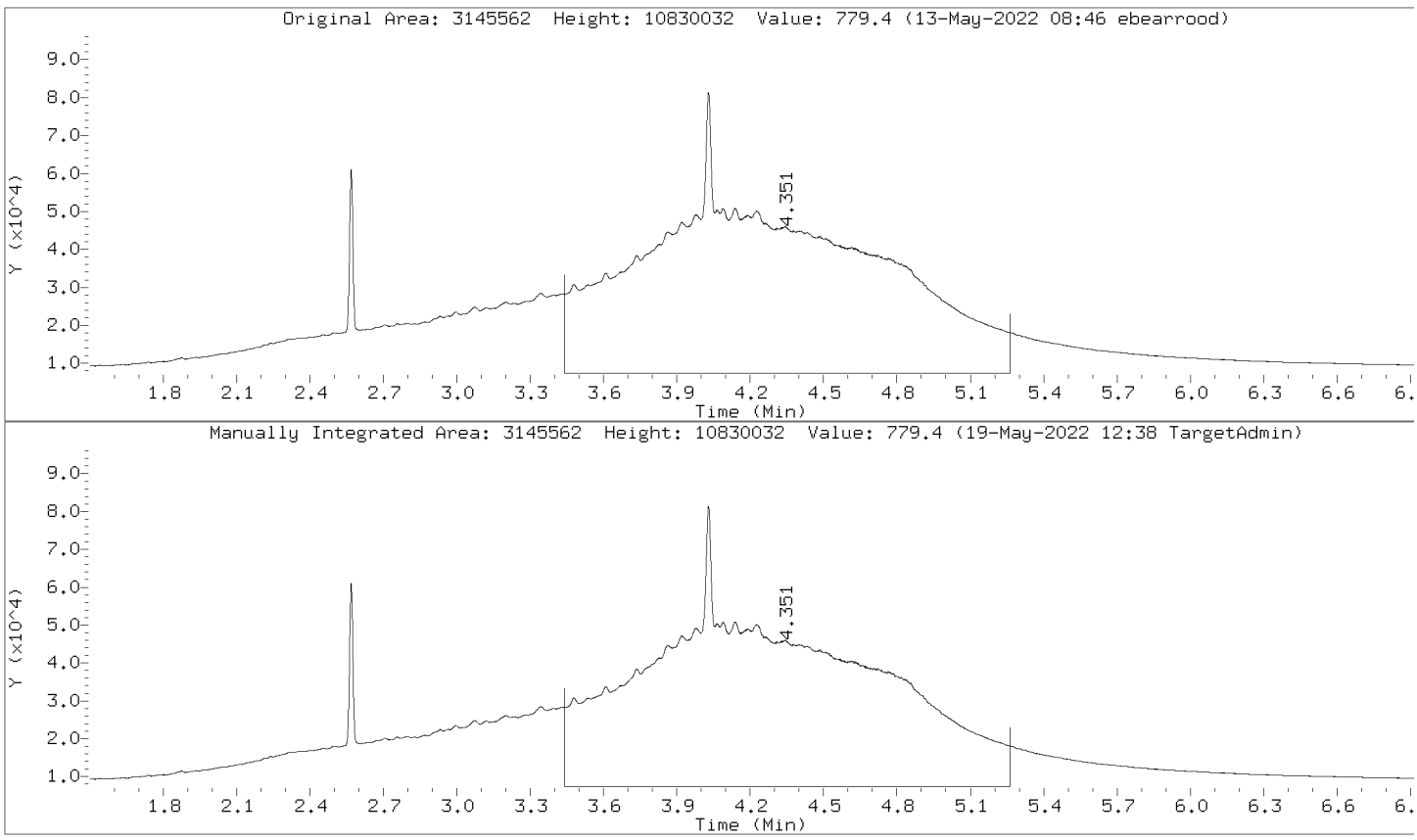
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000047.D
Injection Date: 12-MAY-2022 22:45
Instrument: 10gcsF.i
Lab Sample ID: 10606560001

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



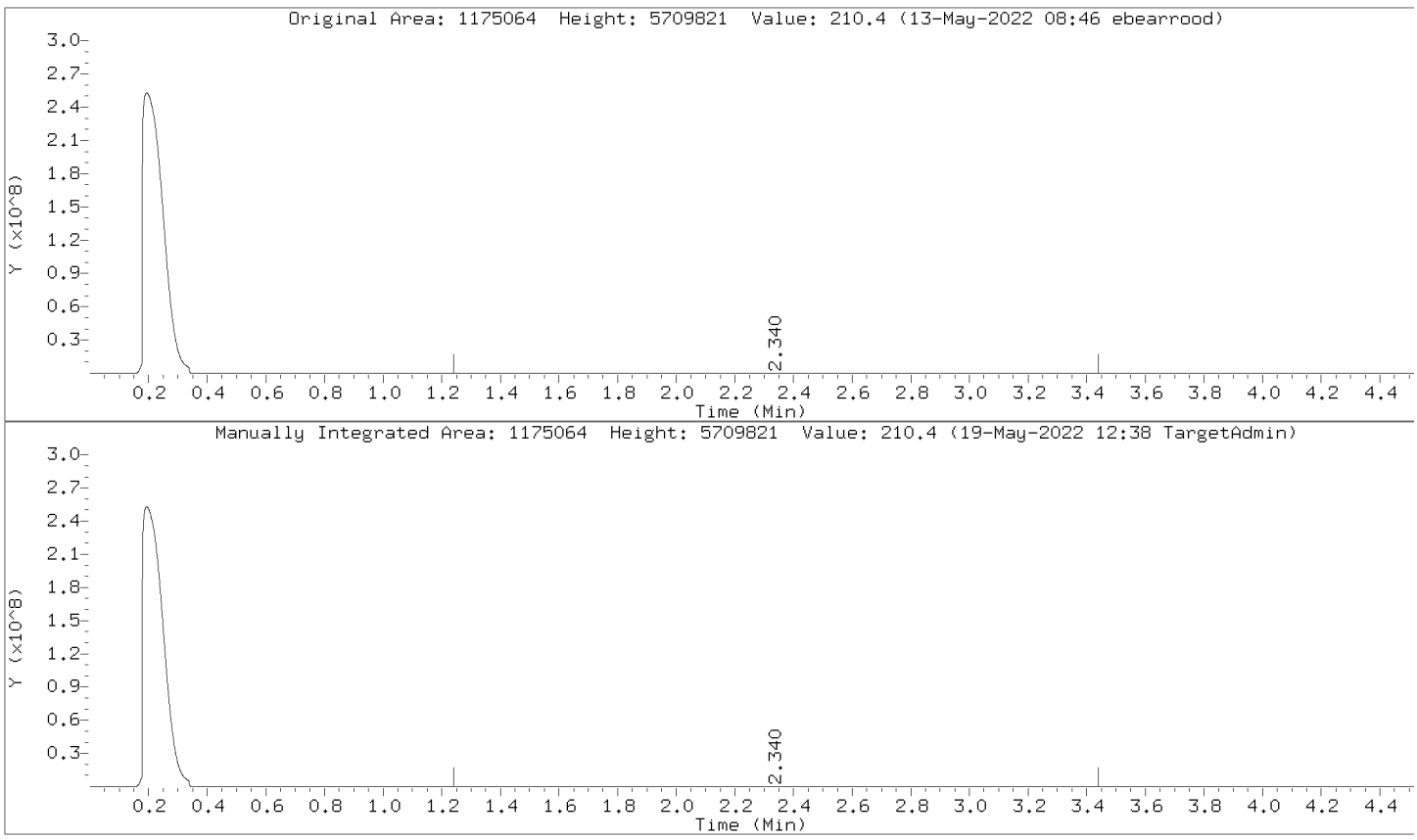
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000047.D
Injection Date: 12-MAY-2022 22:45
Instrument: 10gcsF.i
Lab Sample ID: 10606560001

Compound: Motor Oil Range Review Code: RNG
CAS Number:



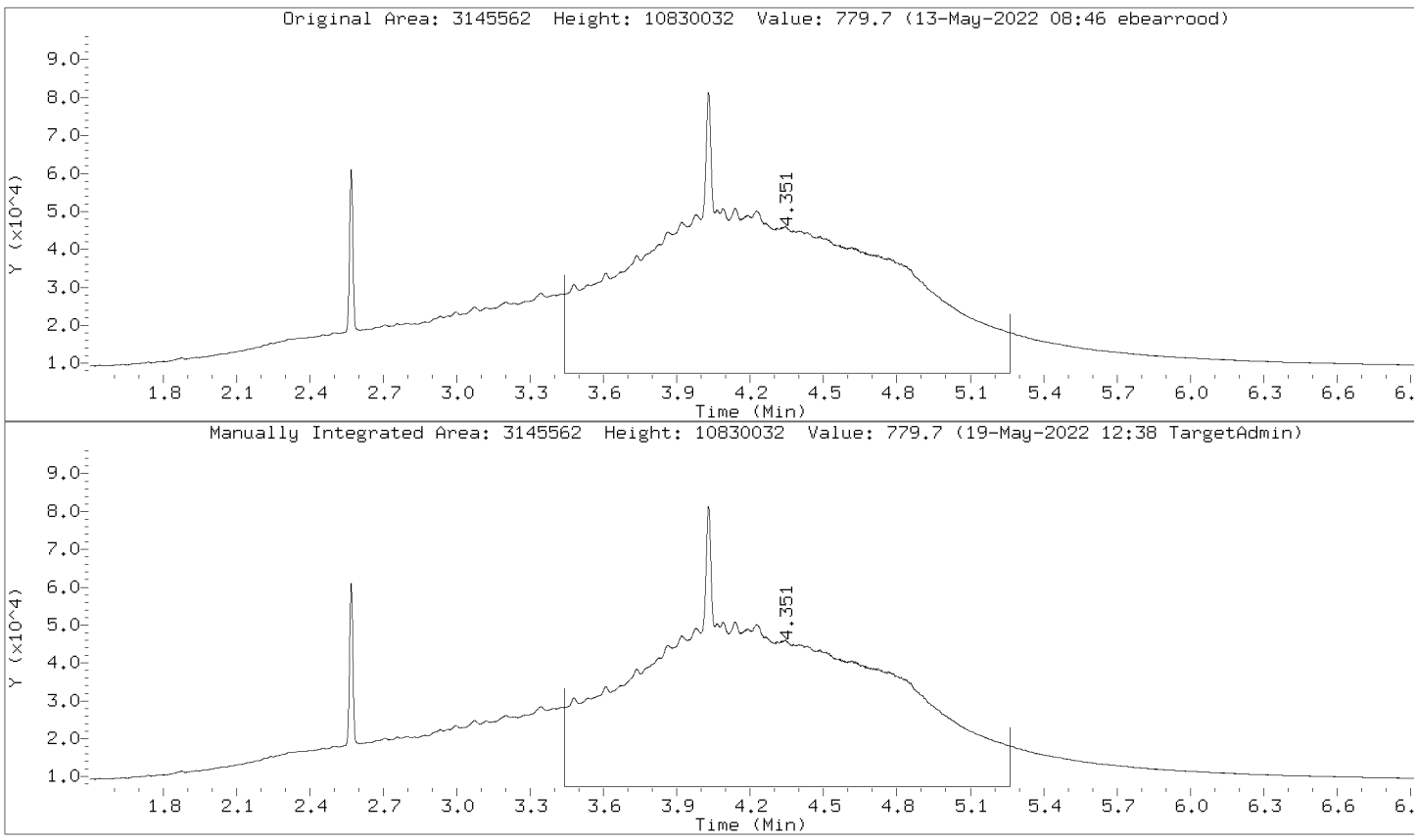
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000047.D
Injection Date: 12-MAY-2022 22:45
Instrument: 10gcsF.i
Lab Sample ID: 10606560001

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



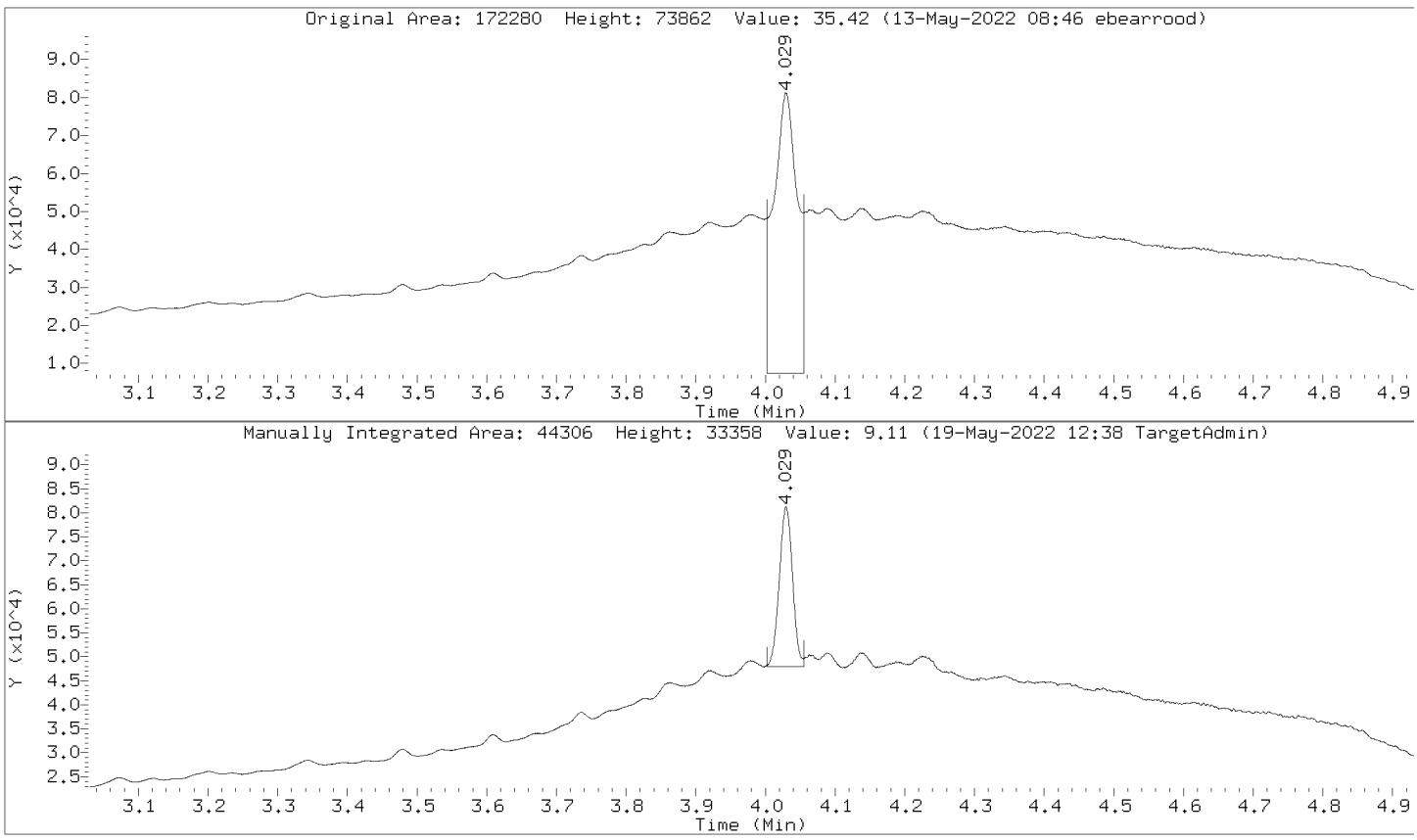
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000047.D
Injection Date: 12-MAY-2022 22:45
Instrument: 10gcsF.i
Lab Sample ID: 10606560001

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



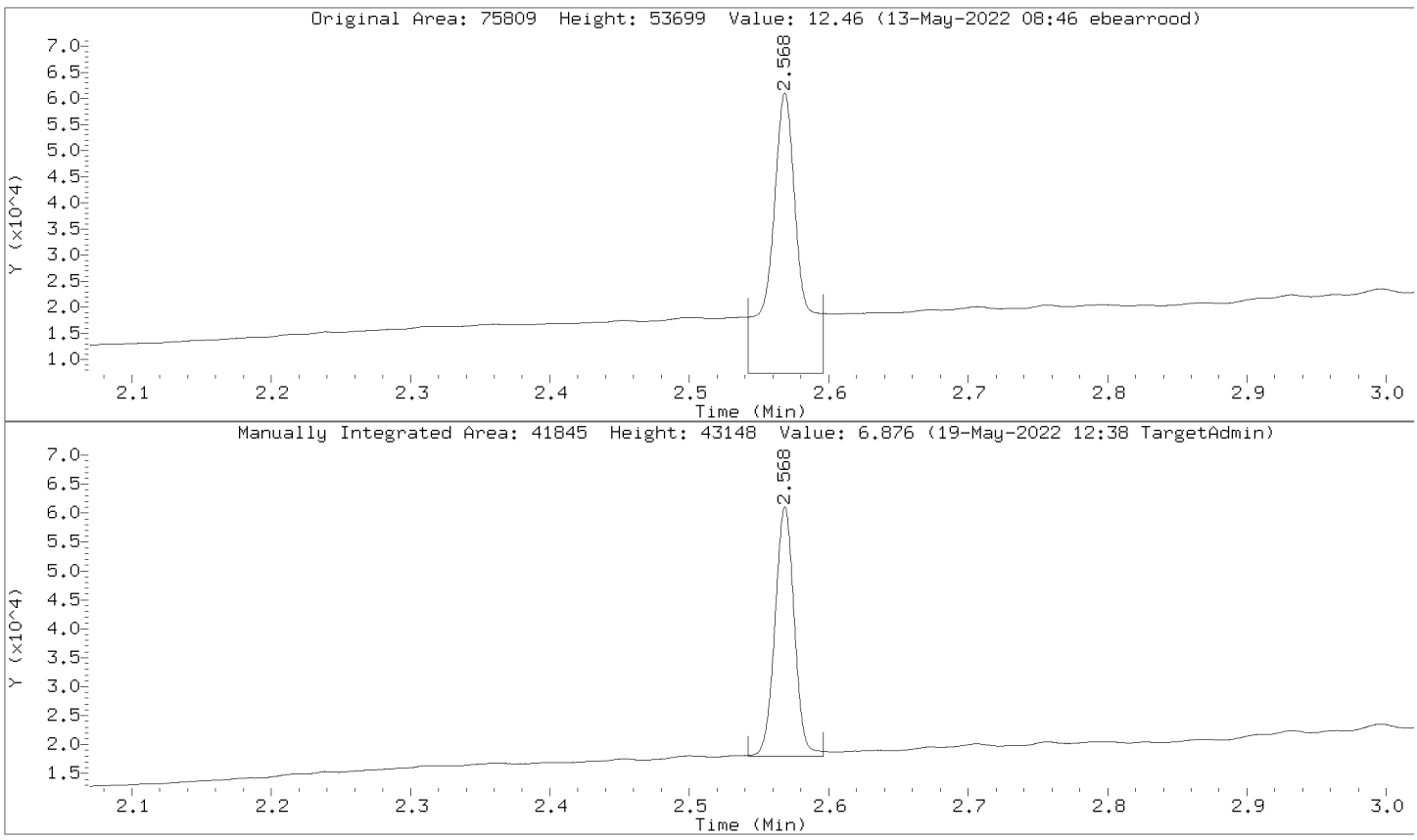
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000047.D
Injection Date: 12-MAY-2022 22:45
Instrument: 10gcsF.i
Lab Sample ID: 10606560001

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000047.D
Injection Date: 12-MAY-2022 22:45
Instrument: 10gcsF.i
Lab Sample ID: 10606560001

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	1175064	1175064
Motor Oil Range	3145562	3145562
Diesel Fuel Range SG	1175064	1175064
Motor Oil Range SG	3145562	3145562
n-Triacontane (S)	172280	44306
o-Terphenyl (S)	75809	41845

SAMPLE NO.

BNSF-I120-042922-0-6

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received: 05/02/2022 08:50
Matrix: Solid
SDG No.: 10606560
Date Extracted: 05/03/2022 17:14
Lab Sample ID: 10606560002
Date Analyzed: 05/12/2022 02:23
Lab File ID: 051122F.B\0511F0000070.D
Initial wt/vol: 10.05 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 10GCSF
Percent Moisture: 35.8%

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/kg	Q
68334-30-5	Diesel Fuel Range	32.2	
	Motor Oil Range	70.0	

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000070.D
Lab Smp Id: 10606560002 Client Smp ID: BNSF-I120-042922-0-
Inj Date : 12-MAY-2022 02:23
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 10606560002
Misc Info : 39318
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 57
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: SOIL
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf*Vt/(Ws*Vi*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Ws	10.050	Weight of the sample extracted (g)
Vi	1.000	Volume Injected (uL)
M	35.810	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (mg/Kg)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.567	2.568	-0.001	166490	27.3578	4.24	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.028	4.028	0.000	230478	47.3927	7.35	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		1871370	451.723	70.0	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		1871370	452.120	70.1	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		1163626	207.761	32.2	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		1163626	207.761	32.2	(M)	RNG

QC Flag Legend

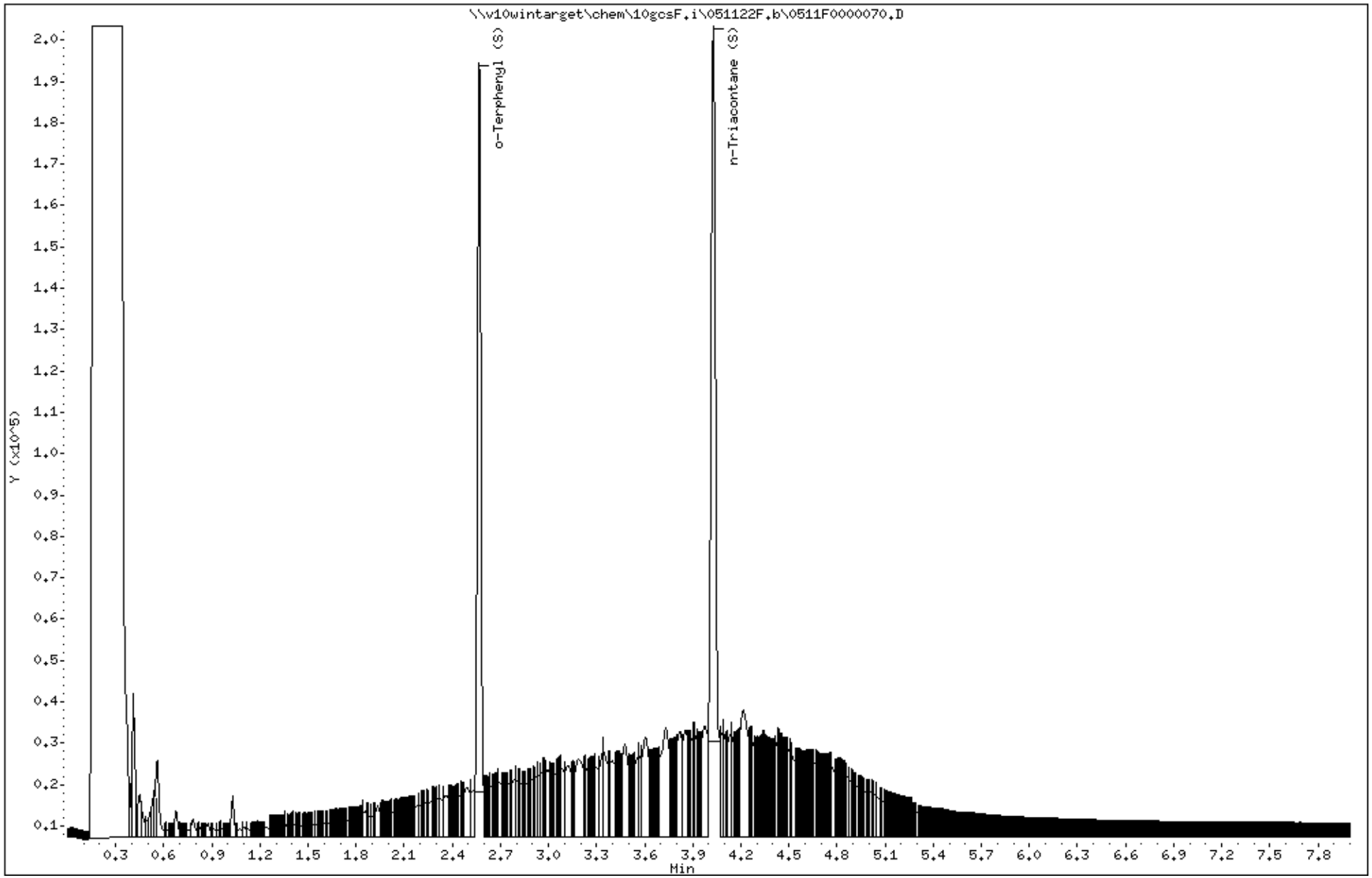
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

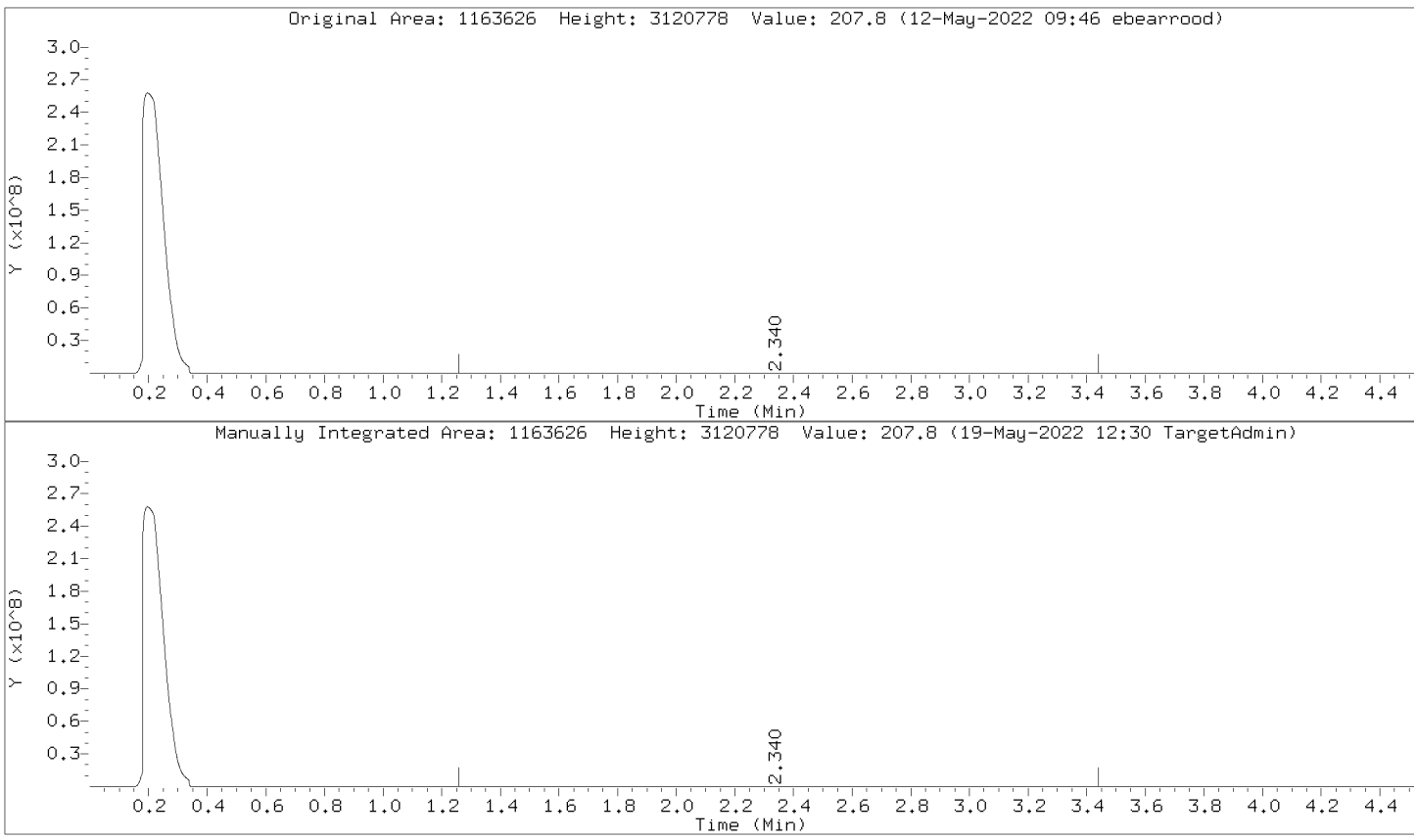
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000070.D
Date : 12-MAY-2022 02:23
Client ID: BNSF-I120-042922-0-
Sample Info: 10606560002
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32



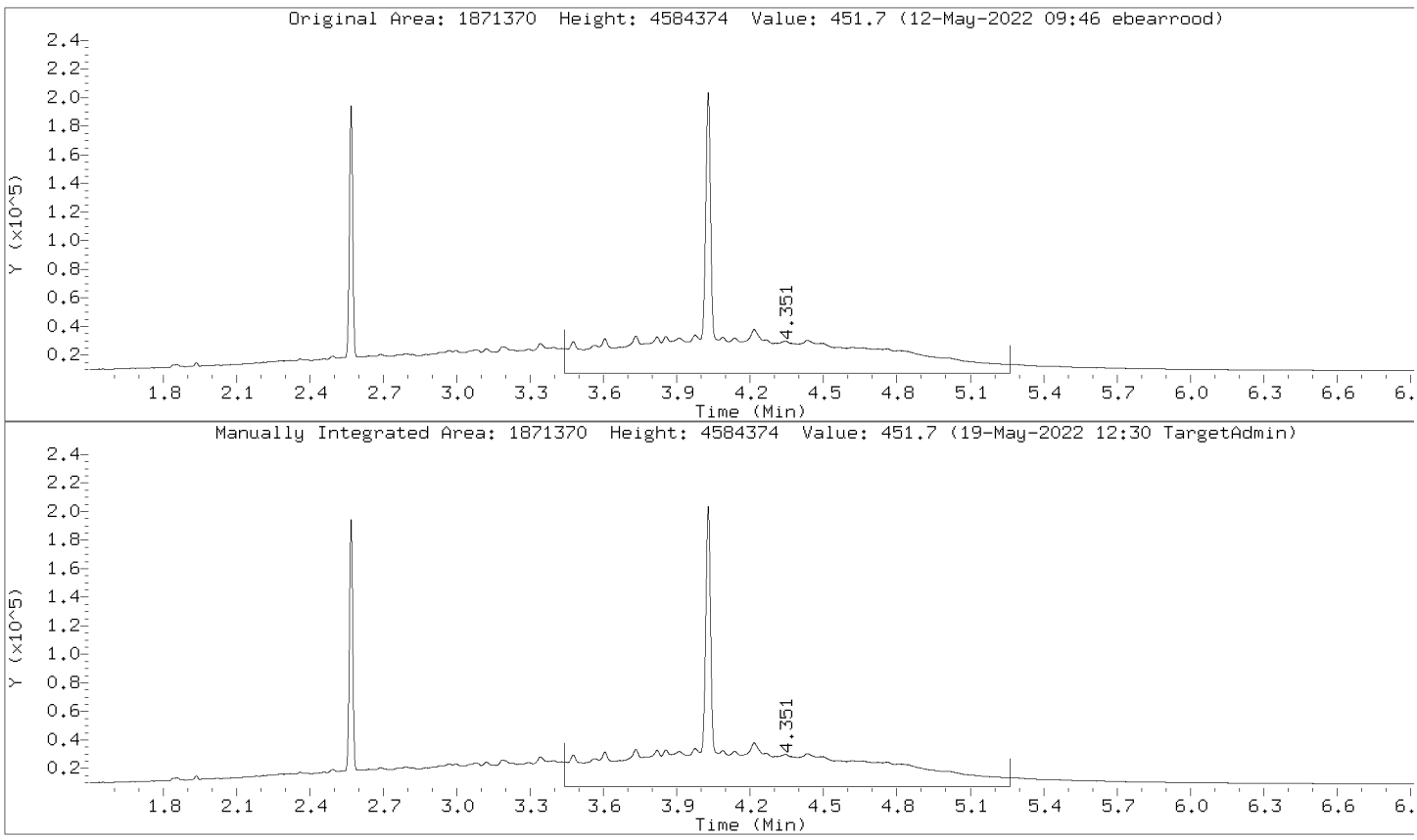
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000070.D
Injection Date: 12-MAY-2022 02:23
Instrument: 10gcsF.i
Lab Sample ID: 10606560002

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



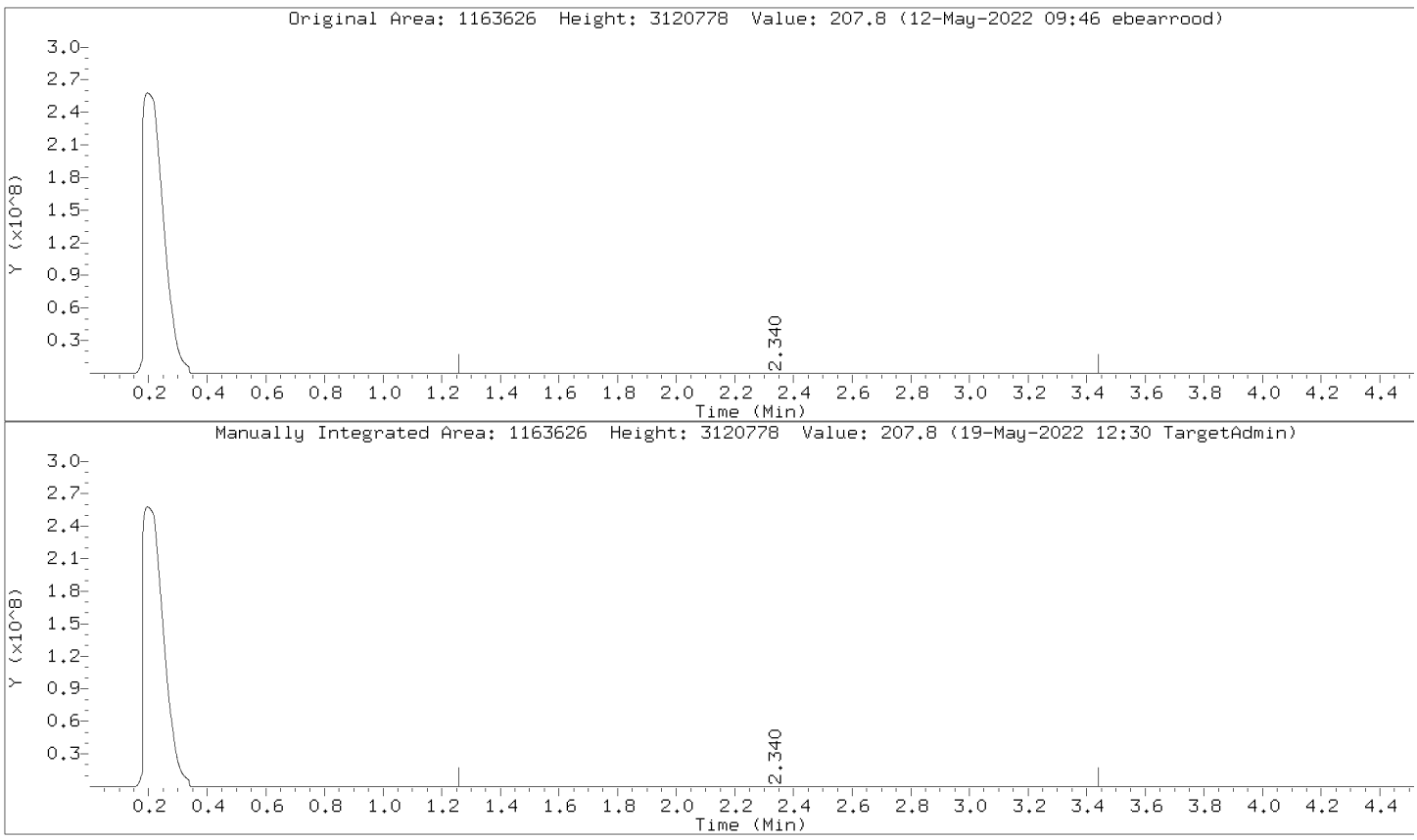
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000070.D
Injection Date: 12-MAY-2022 02:23
Instrument: 10gcsF.i
Lab Sample ID: 10606560002

Compound: Motor Oil Range Review Code: RNG
CAS Number:



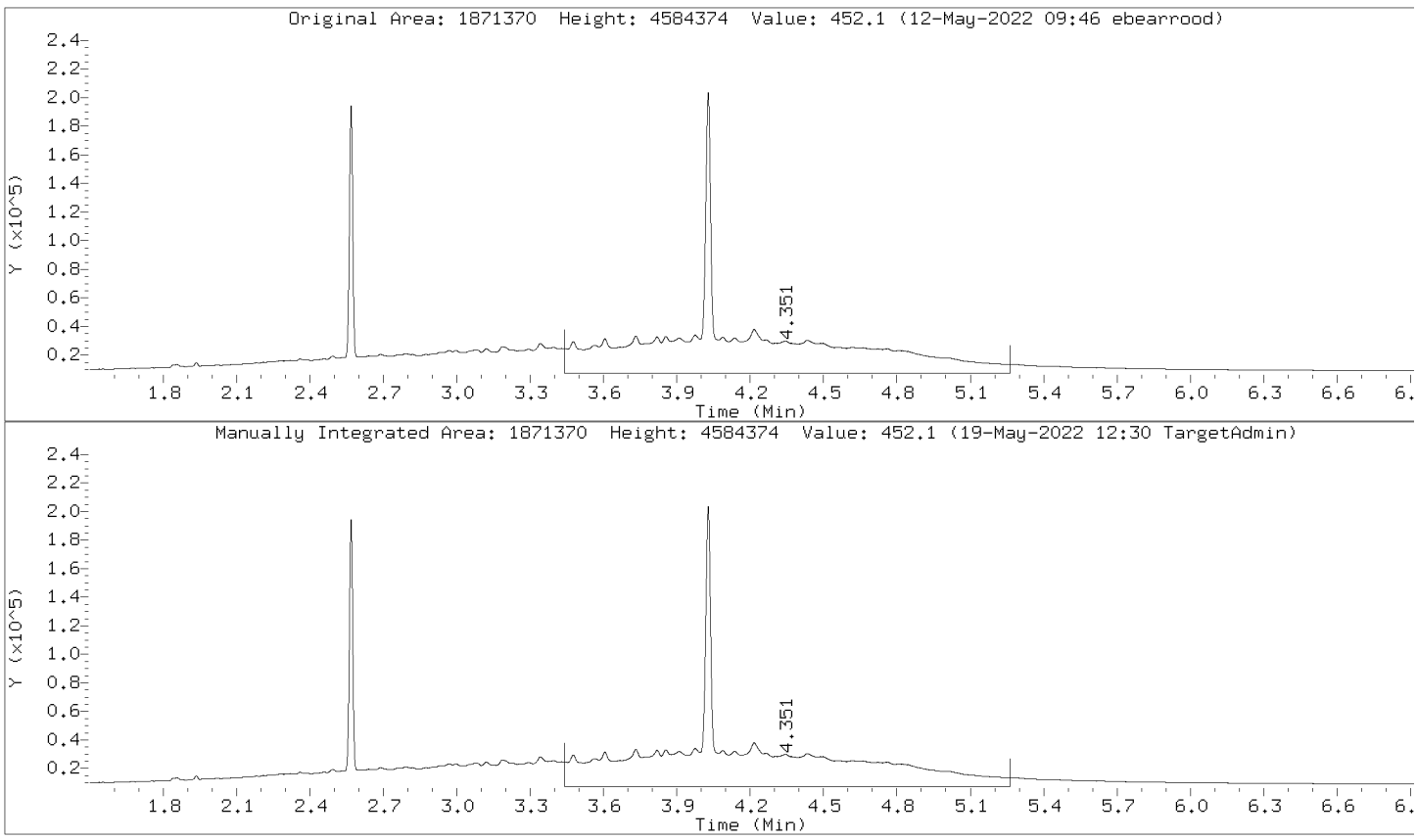
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000070.D
Injection Date: 12-MAY-2022 02:23
Instrument: 10gcsF.i
Lab Sample ID: 10606560002

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



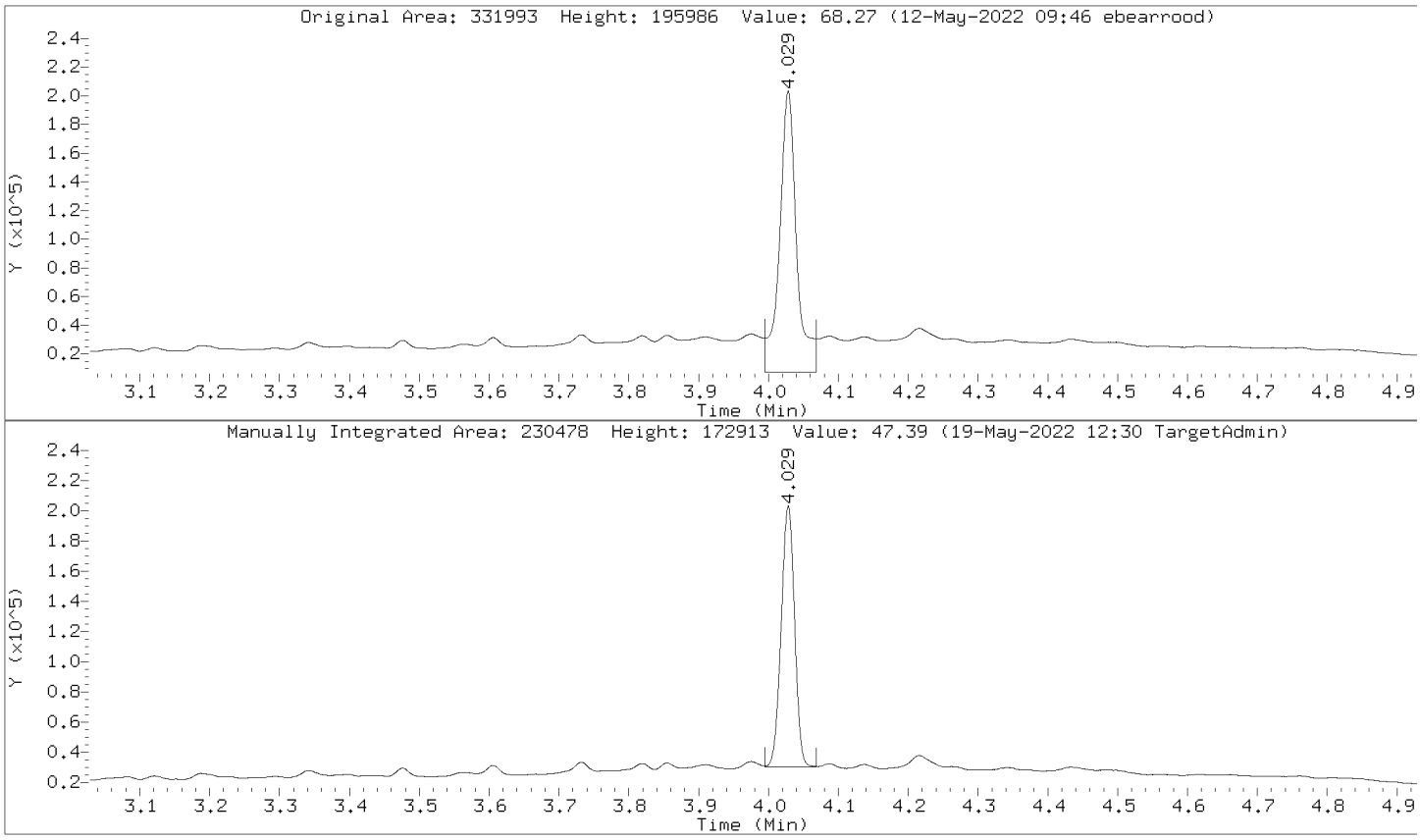
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000070.D
Injection Date: 12-MAY-2022 02:23
Instrument: 10gcsF.i
Lab Sample ID: 10606560002

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



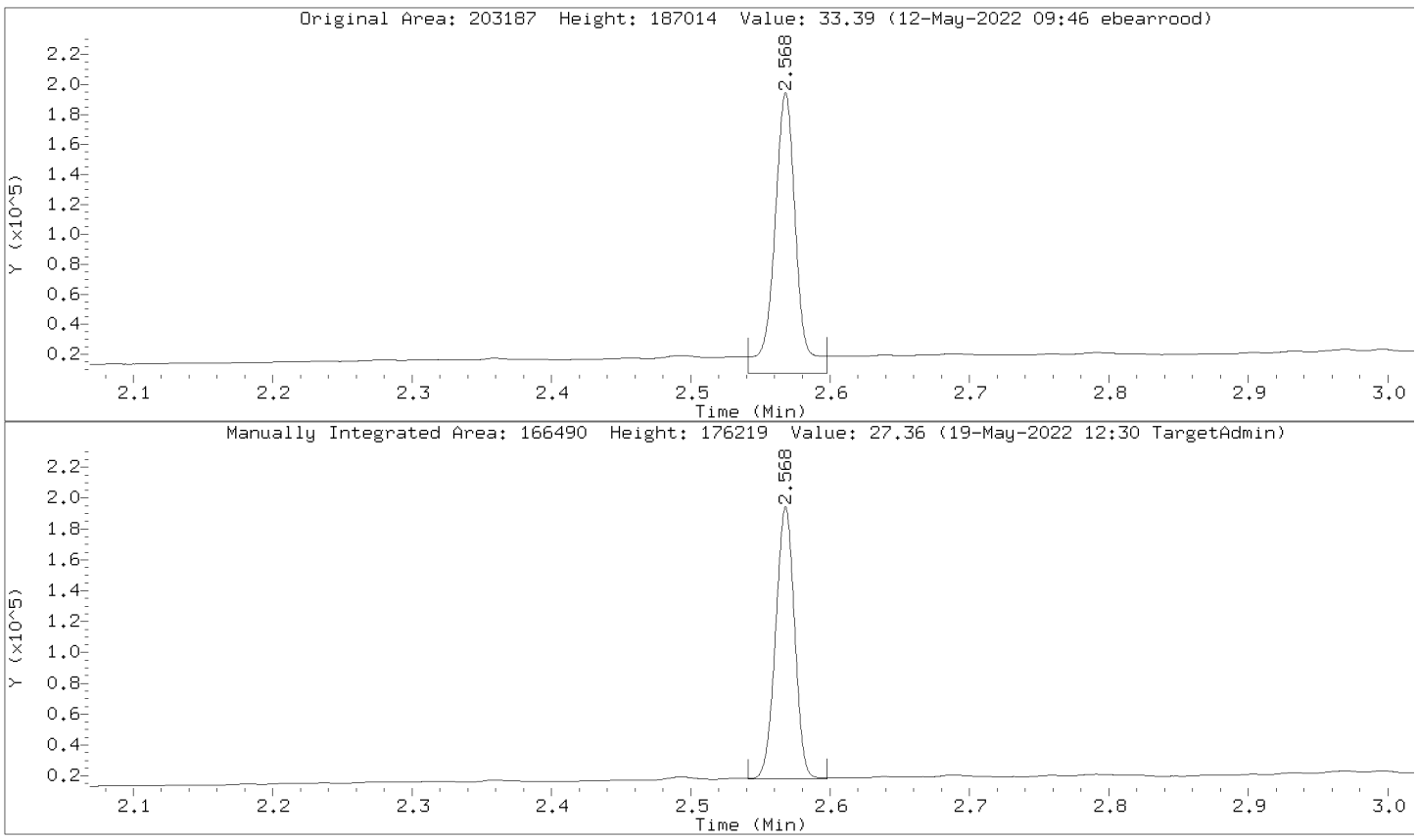
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000070.D
Injection Date: 12-MAY-2022 02:23
Instrument: 10gcsF.i
Lab Sample ID: 10606560002

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000070.D
Injection Date: 12-MAY-2022 02:23
Instrument: 10gcsF.i
Lab Sample ID: 10606560002

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	1163626	1163626
Motor Oil Range	1871370	1871370
Diesel Fuel Range SG	1163626	1163626
Motor Oil Range SG	1871370	1871370
n-Triacontane (S)	331993	230478
o-Terphenyl (S)	203187	166490

SAMPLE NO.

BNSF-BG20-042922-0-10

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received: 05/02/2022 08:50
Matrix: Solid
SDG No.: 10606560
Date Extracted: 05/03/2022 17:14
Lab Sample ID: 10606560003
Date Analyzed: 05/12/2022 02:34
Lab File ID: 051122F.B\0511F0000071.D
Initial wt/vol: 10.09 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 10GCSF
Percent Moisture: 32.6%

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/kg	Q
68334-30-5	Diesel Fuel Range	ND	U
	Motor Oil Range	31.6	

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000071.D
Lab Smp Id: 10606560003 Client Smp ID: BNSF-BG20-042922-01
Inj Date : 12-MAY-2022 02:34
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 10606560003
Misc Info : 39318
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 58
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: SOIL
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf*Vt/(Ws*Vi*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Ws	10.090	Weight of the sample extracted (g)
Vi	1.000	Volume Injected (uL)
M	32.599	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (mg/Kg)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.568	2.568	0.000	245326	40.3123	5.93	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.028	4.028	0.000	248493	51.0971	7.51	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		950930	215.043	31.6	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		950930	215.482	31.7	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		452152	43.5069	6.40	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		452152	43.5069	6.40	(M)	RNG

QC Flag Legend

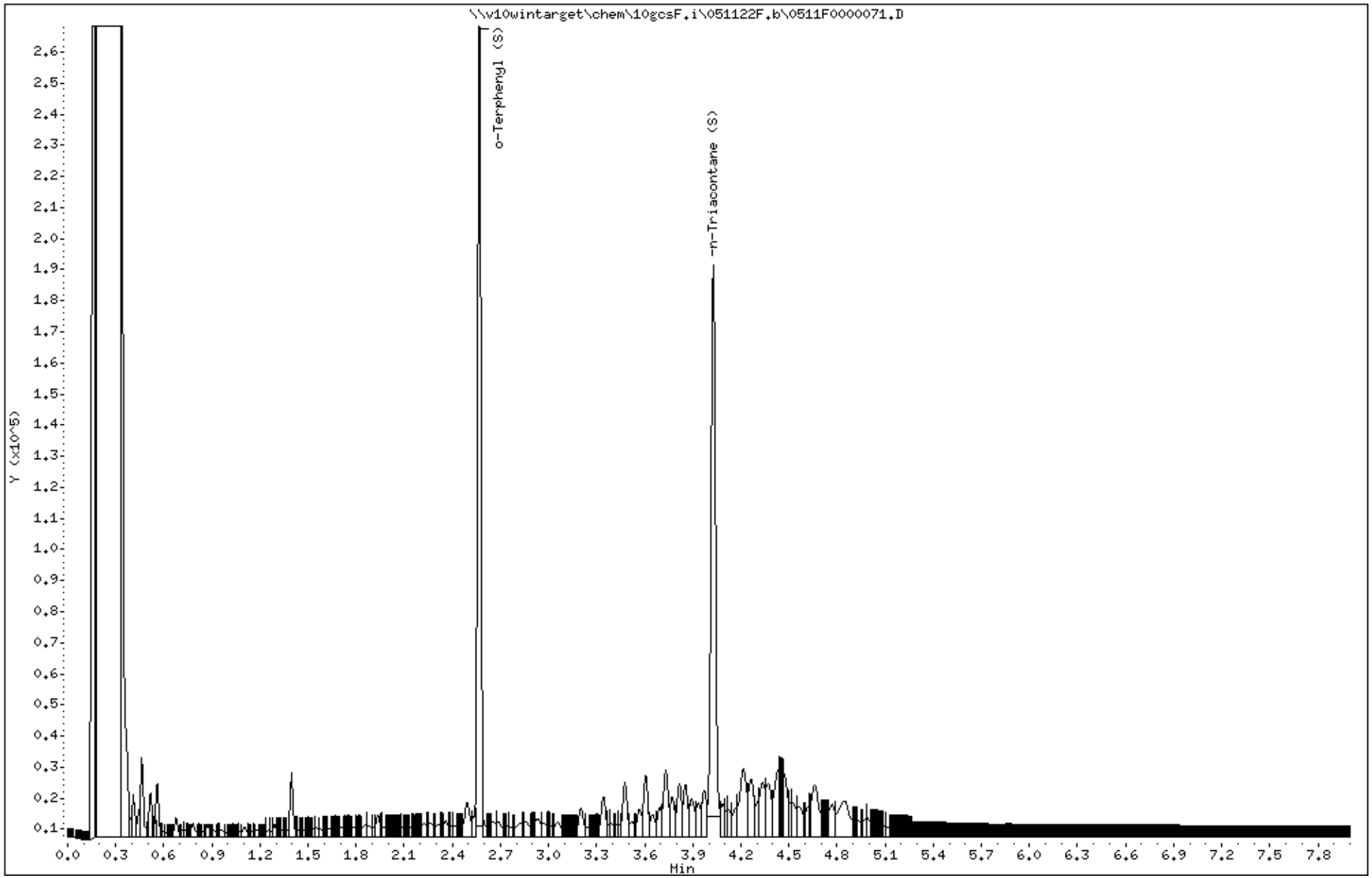
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

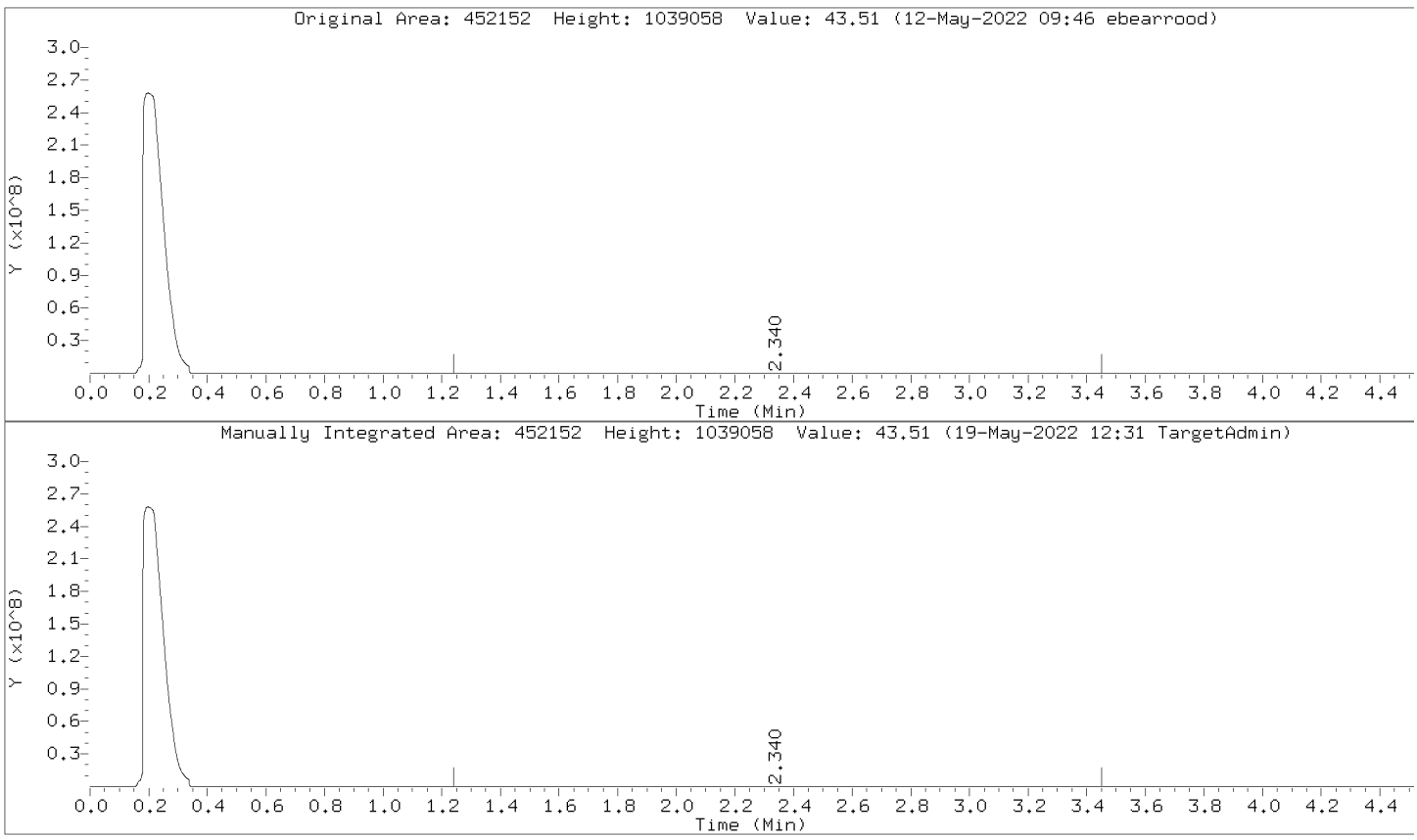
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000071.D
Date : 12-MAY-2022 02:34
Client ID: BNSF-BG20-042922-01
Sample Info: 10606560003
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32



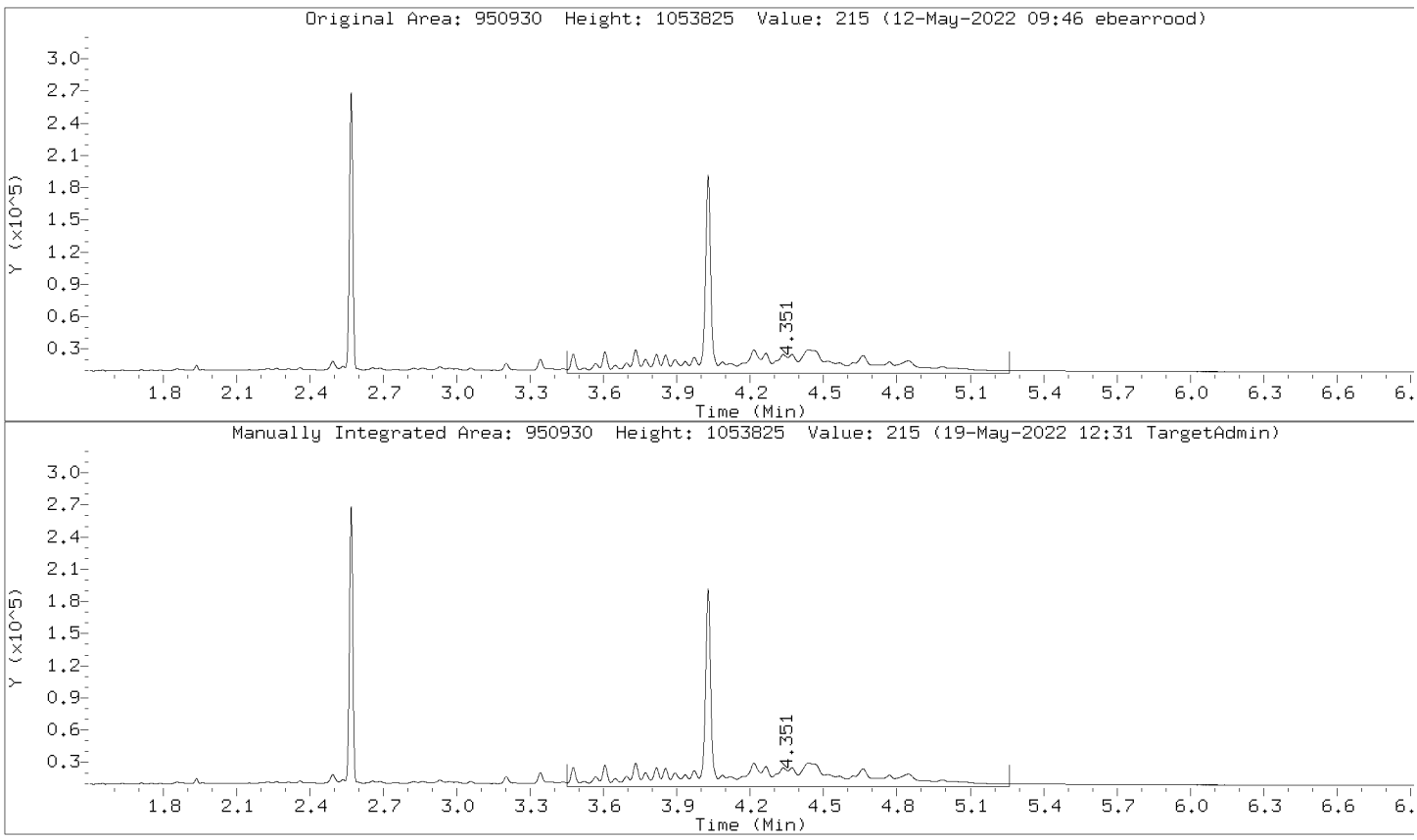
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000071.D
Injection Date: 12-MAY-2022 02:34
Instrument: 10gcsF.i
Lab Sample ID: 10606560003

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



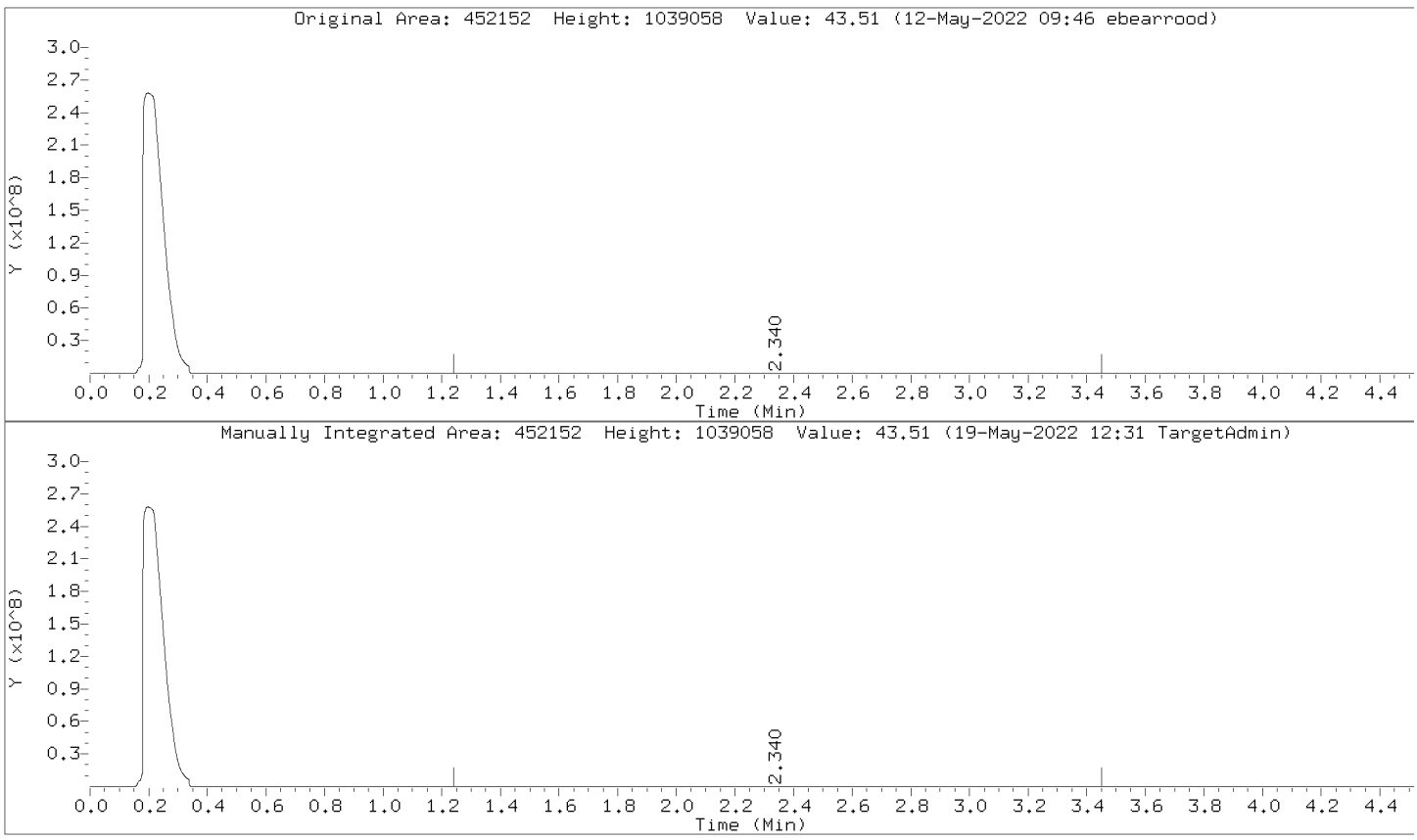
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000071.D
Injection Date: 12-MAY-2022 02:34
Instrument: 10gcsF.i
Lab Sample ID: 10606560003

Compound: Motor Oil Range Review Code: RNG
CAS Number:



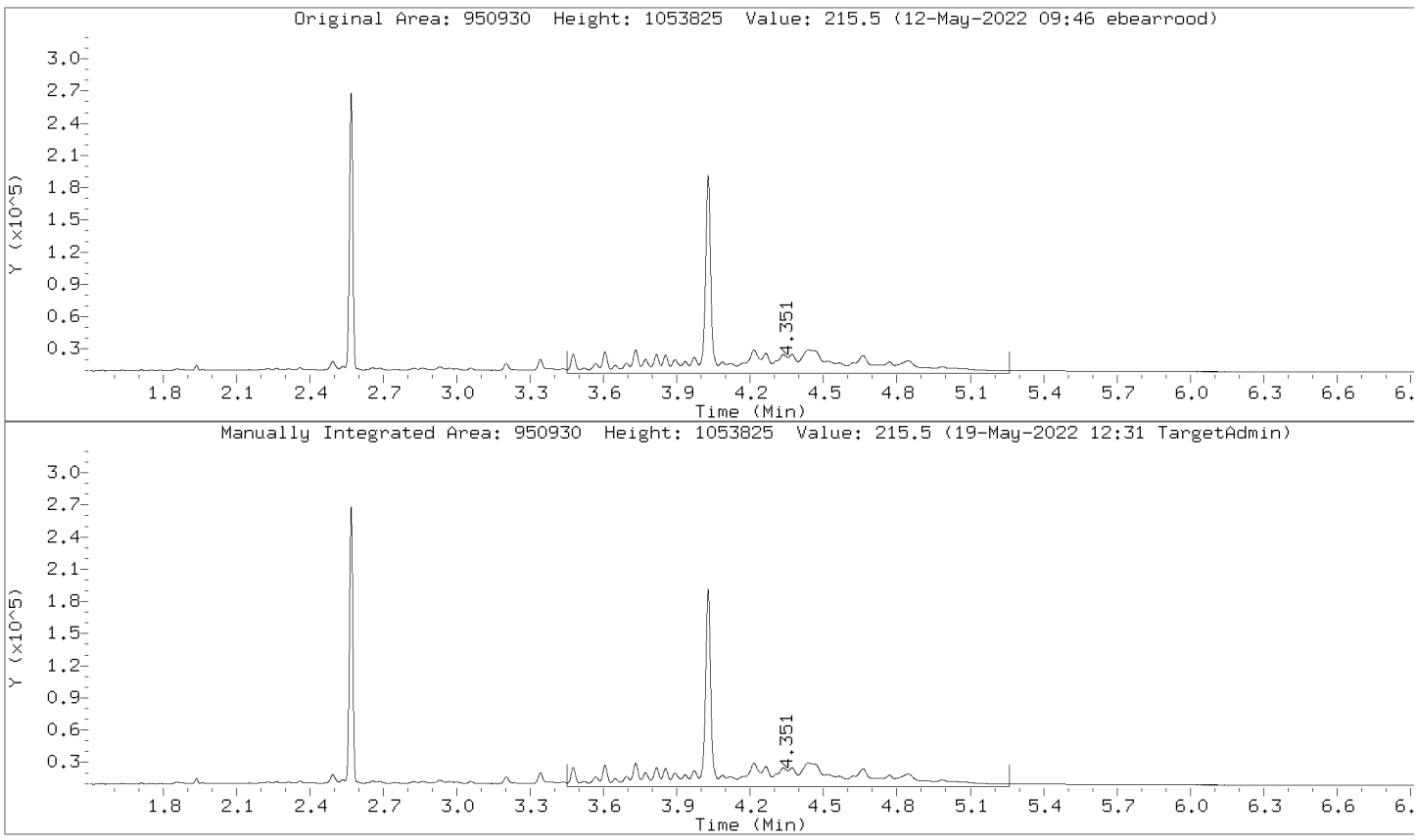
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000071.D
Injection Date: 12-MAY-2022 02:34
Instrument: 10gcsF.i
Lab Sample ID: 10606560003

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



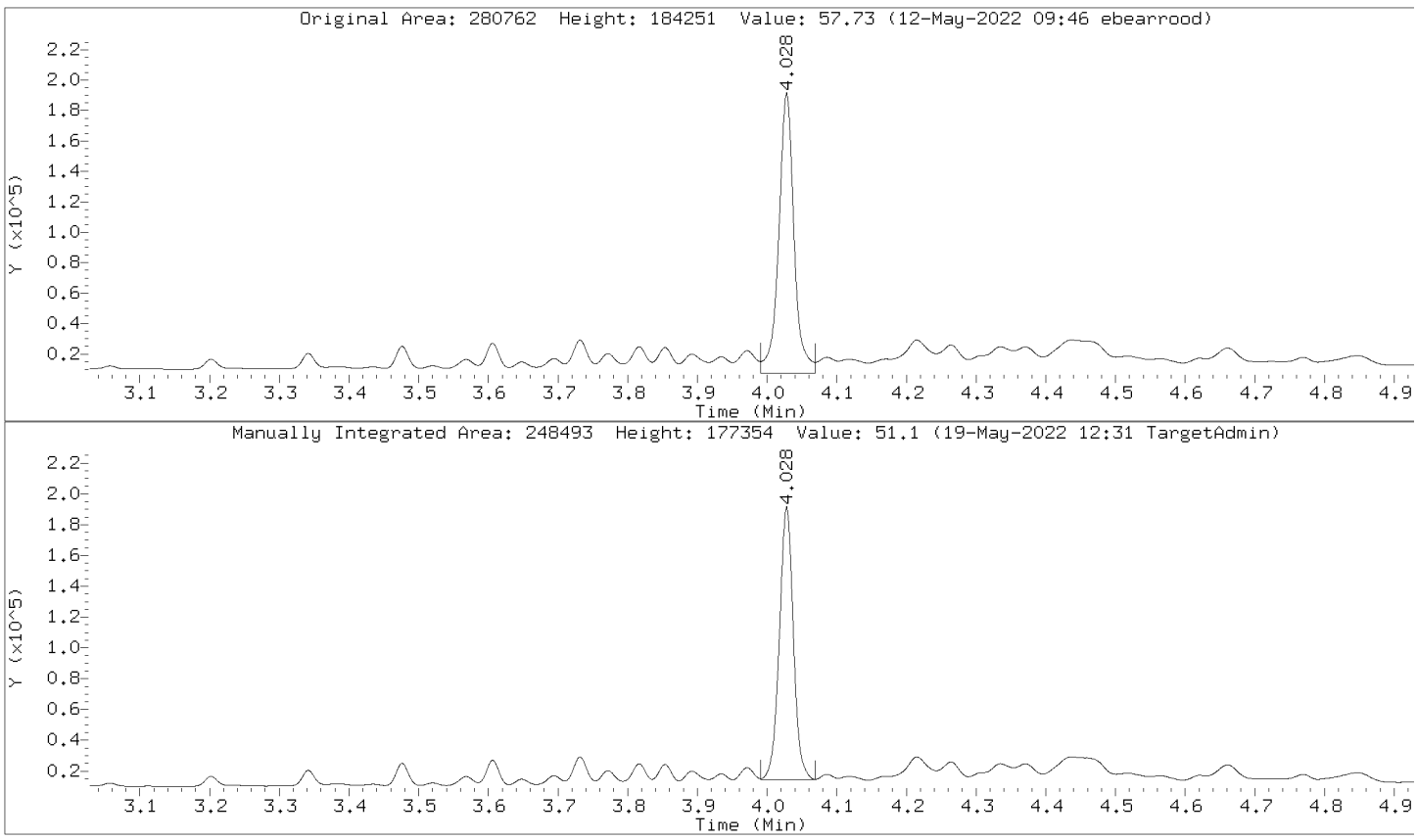
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000071.D
Injection Date: 12-MAY-2022 02:34
Instrument: 10gcsF.i
Lab Sample ID: 10606560003

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



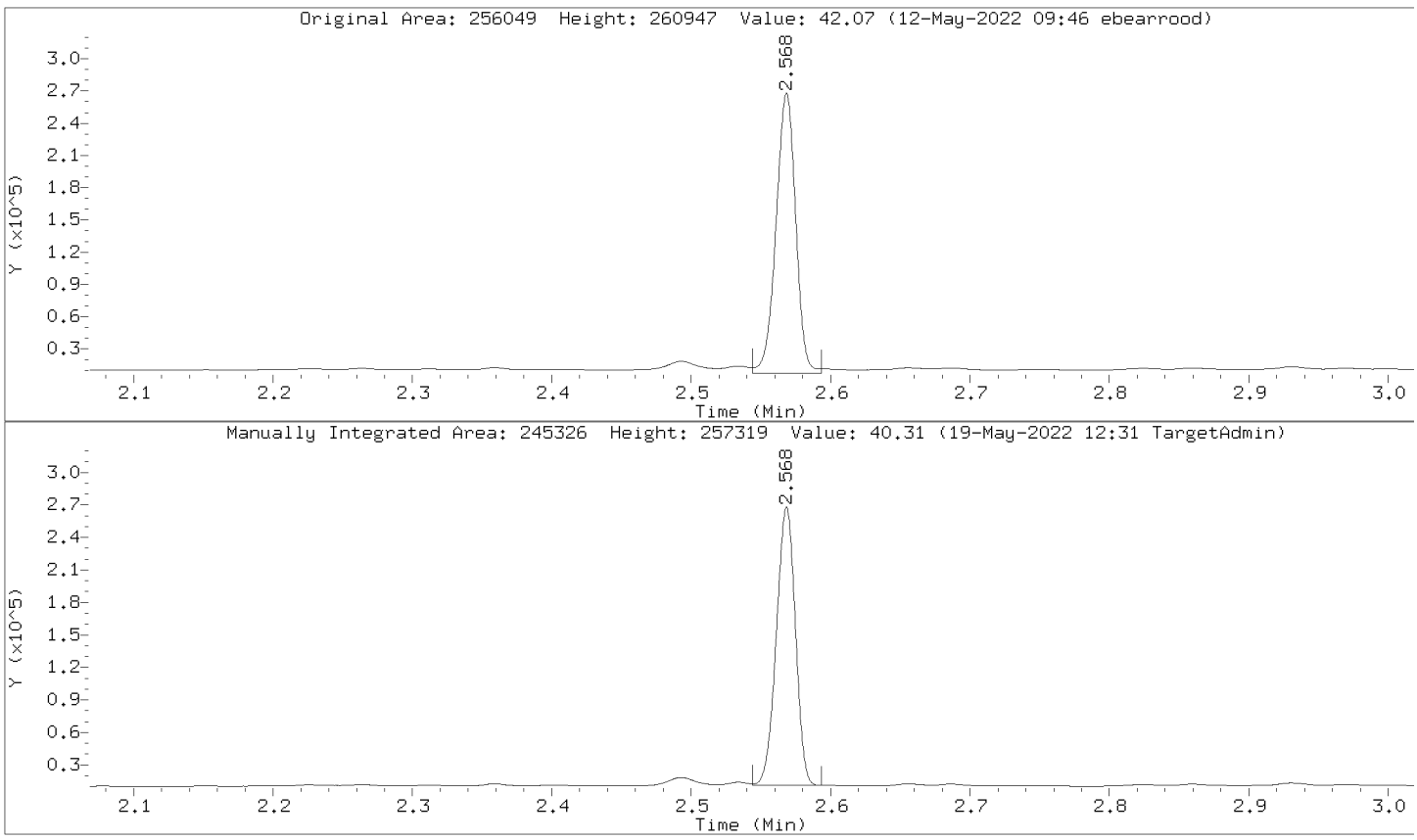
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000071.D
Injection Date: 12-MAY-2022 02:34
Instrument: 10gcsF.i
Lab Sample ID: 10606560003

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000071.D
Injection Date: 12-MAY-2022 02:34
Instrument: 10gcsF.i
Lab Sample ID: 10606560003

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	452152	452152
Motor Oil Range	950930	950930
Diesel Fuel Range SG	452152	452152
Motor Oil Range SG	950930	950930
n-Triacontane (S)	280762	248493
o-Terphenyl (S)	256049	245326

GC-FID DRO - FORM VI SVOA-1
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10GCSF GC Column: FID SDG No.: 10606560

Calibration Date(s): 05/09/2022 05/09/2022 Calibration Time(s): 15:31 17:04

LAB FILE ID

CAL2 = 050922F.B\0509F0000025.D CAL3 = 050922F.B\0509F0000026.D CAL4 = 050922F.B\0509F0000027.D
CAL5 = 050922F.B\0509F0000028.D CAL6 = 050922F.B\0509F0000029.D CAL7 = 050922F.B\0509F0000030.D
CAL8 = 050922F.B\0509F0000031.D CAL9 = 050922F.B\0509F0000032.D CAL10 = 050922F.B\0509F0000033.D

COMPOUND	CURVE TYPE	CAL2	CAL3	CAL4	CAL5	CAL6	CAL7
Diesel Fuel Range	Linear	26626.5000	13684.0800	8972.0000	6745.3200	5367.3880	4932.6900
Motor Oil Range	Linear	13188.4000	8188.1600	5792.1400	4949.4600	4343.8560	4130.8680
n-Triacontane (S)	Averaged	4905.0000	5039.2000	4954.2000	4885.7000	4837.3600	4838.6400
o-Terphenyl (S)	Averaged	6519.0000	6256.4000	6082.2000	6043.5000	5907.1200	5904.8600

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

GC-FID DRO - FORM VI SVOA-2
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10GCSF GC Column: FID SDG No.: 10606560

Calibration Date(s): 05/09/2022 05/09/2022 Calibration Time(s): 15:31 17:04

LAB FILE ID

CAL2 = 050922F.B\0509F0000025.D CAL3 = 050922F.B\0509F0000026.D CAL4 = 050922F.B\0509F0000027.D

CAL5 = 050922F.B\0509F0000028.D CAL6 = 050922F.B\0509F0000029.D CAL7 = 050922F.B\0509F0000030.D

CAL8 = 050922F.B\0509F0000031.D CAL9 = 050922F.B\0509F0000032.D CAL10 = 050922F.B\0509F0000033.D

COMPOUND	CURVE TYPE	CAL8	CAL9	CAL10
Diesel Fuel Range	Linear	4693.5700	4485.2455	4385.1072
Motor Oil Range	Linear	3996.9180	4002.9135	3903.8372
n-Triacontane (S)	Averaged	4833.5200	4746.1350	4728.6100
o-Terphenyl (S)	Averaged	5888.9700	6091.3050	6077.4225

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

GC-FID DRO - FORM VI SVOA-3
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10GCSF GC Column: FID SDG No.: 10606560

Calibration Date(s): 05/09/2022 05/09/2022 Calibration Time(s): 15:31 17:04

LAB FILE ID

CAL2 = 050922F.B\0509F0000025.D CAL3 = 050922F.B\0509F0000026.D CAL4 = 050922F.B\0509F0000027.D

CAL5 = 050922F.B\0509F0000028.D CAL6 = 050922F.B\0509F0000029.D CAL7 = 050922F.B\0509F0000030.D

CAL8 = 050922F.B\0509F0000031.D CAL9 = 050922F.B\0509F0000032.D CAL10 = 050922F.B\0509F0000033.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Diesel Fuel Range	Linear		0.99993	263699.280	4331.55482	
Motor Oil Range	Linear		0.99992	114634.240	3888.96343	
n-Triacontane (S)	Averaged	1.99736			4863.15167	
o-Terphenyl (S)	Averaged	3.29707			6085.64194	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000003.D
Lab Smp Id: DMO-RTM,362402:2 Client Smp ID: DMO-RTM,362402:2
Inj Date : 09-MAY-2022 10:14
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-rtm,362402:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10SVOA-TT

				CONCENTRATIONS ON-COL	FINAL	
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE
S 1 DRO by AK 102					CAS #:	
Compound Not Detected.						
$ 2 o-Terphenyl (S)					CAS #:	
2.559	2.565	-0.006	7	0.00423	0.00423	(R)
$ 3 n-Triacontane (S)					CAS #:	
4.021	4.017	0.004	26	0.02406	0.0241	(R)
S 4 Residual Range Organics AK103					CAS #:	
Compound Not Detected.						
S 5 TPH-DRO (C10-C28)					CAS #:	
Compound Not Detected.						
S 6 Motor Oil Range (C24-C36)					CAS #:	
Compound Not Detected.						
S 7 C10-C36					CAS #:	
Compound Not Detected.						

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/mL)	REVIEW CODE

S 8 Diesel Fuel Range CAS #:

Compound Not Detected.

S 9 Diesel Fuel Range SG CAS #:

Compound Not Detected.

S 10 Motor Oil Range CAS #:

Compound Not Detected.

S 11 Motor Oil Range SG CAS #:

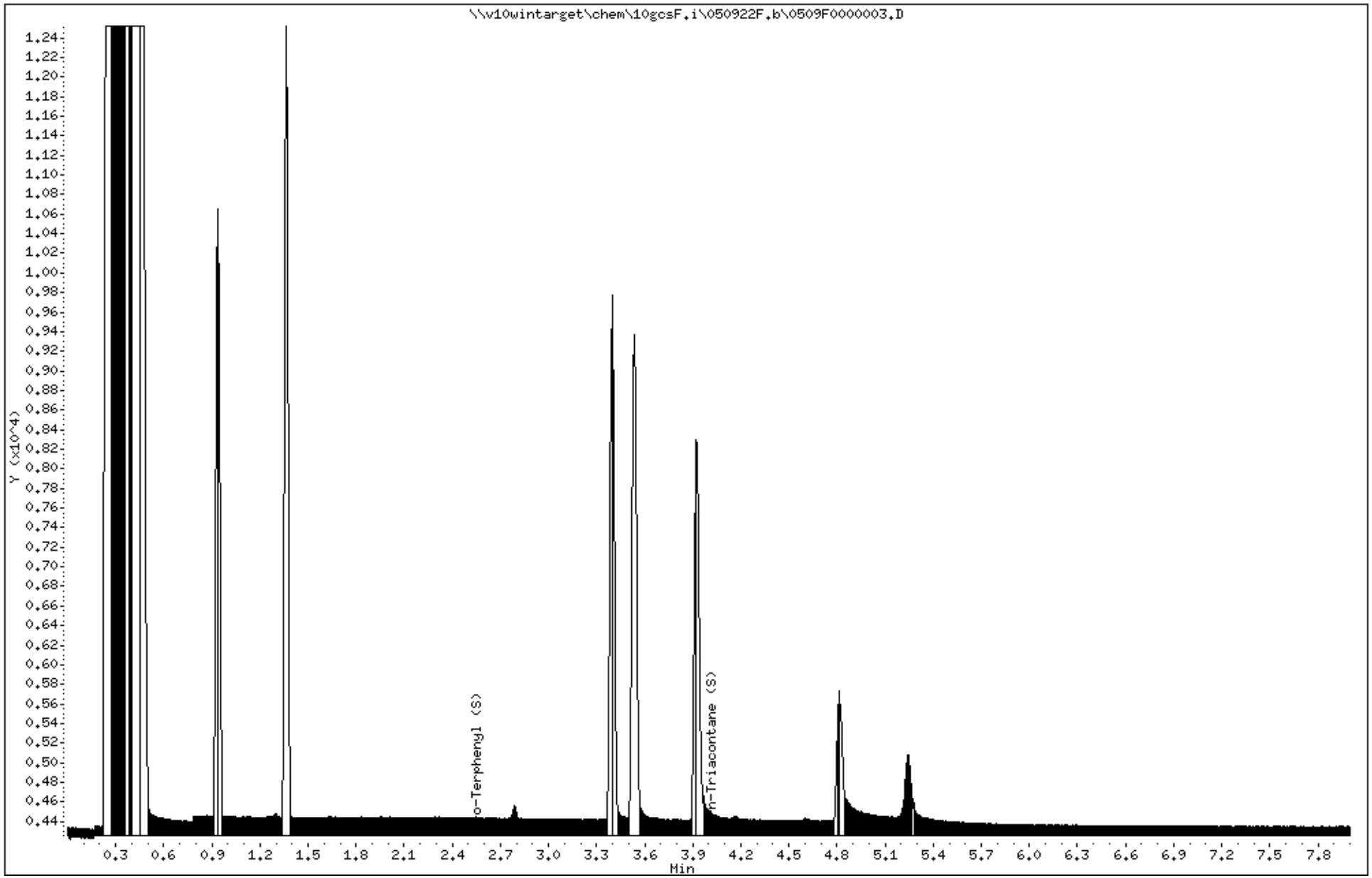
Compound Not Detected.

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000003.D
Date : 09-MAY-2022 10:14
Client ID: DMO-RTM,362402:2
Sample Info: DMO-RTM,362402:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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41 of 710
10606560

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000003.D
Injection Date: 09-MAY-2022 10:14
Instrument: 10gcsF.i
Lab Sample ID: DMO-RTM,362402:2
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	0	0
DRO by AK 102	0	0
TPH-DRO (C10-C28)	0	0
Motor Oil Range (C24-C36)	0	0
Diesel Fuel Range	0	0
Motor Oil Range	0	0
Diesel Fuel Range SG	0	0
Motor Oil Range SG	0	0
C10-C36	0	0
n-Triacontane (S)	26	26
o-Terphenyl (S)	7	7

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000025.D
Lab Smp Id: DMO-CAL2,364980:2 Client Smp ID: DMO-CAL2,364980:2
Inj Date : 09-MAY-2022 15:31
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal2,364980:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		300261	10.0000	1.28	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.562	2.565	-0.003	6519	1.00000	1.07	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.014	4.017	-0.003	4905	1.00000	1.01	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		103492	10.0000	3.06	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		338750	10.0000	2.06	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		115167	10.0000	2.96	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		403754	20.0000	3.92	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		266265	10.0000	0.592	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		266265	10.0000	0.592	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		131884	10.0000	4.44	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		131884	10.0000	4.91	(MH)	RNG

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Review Codes Legend

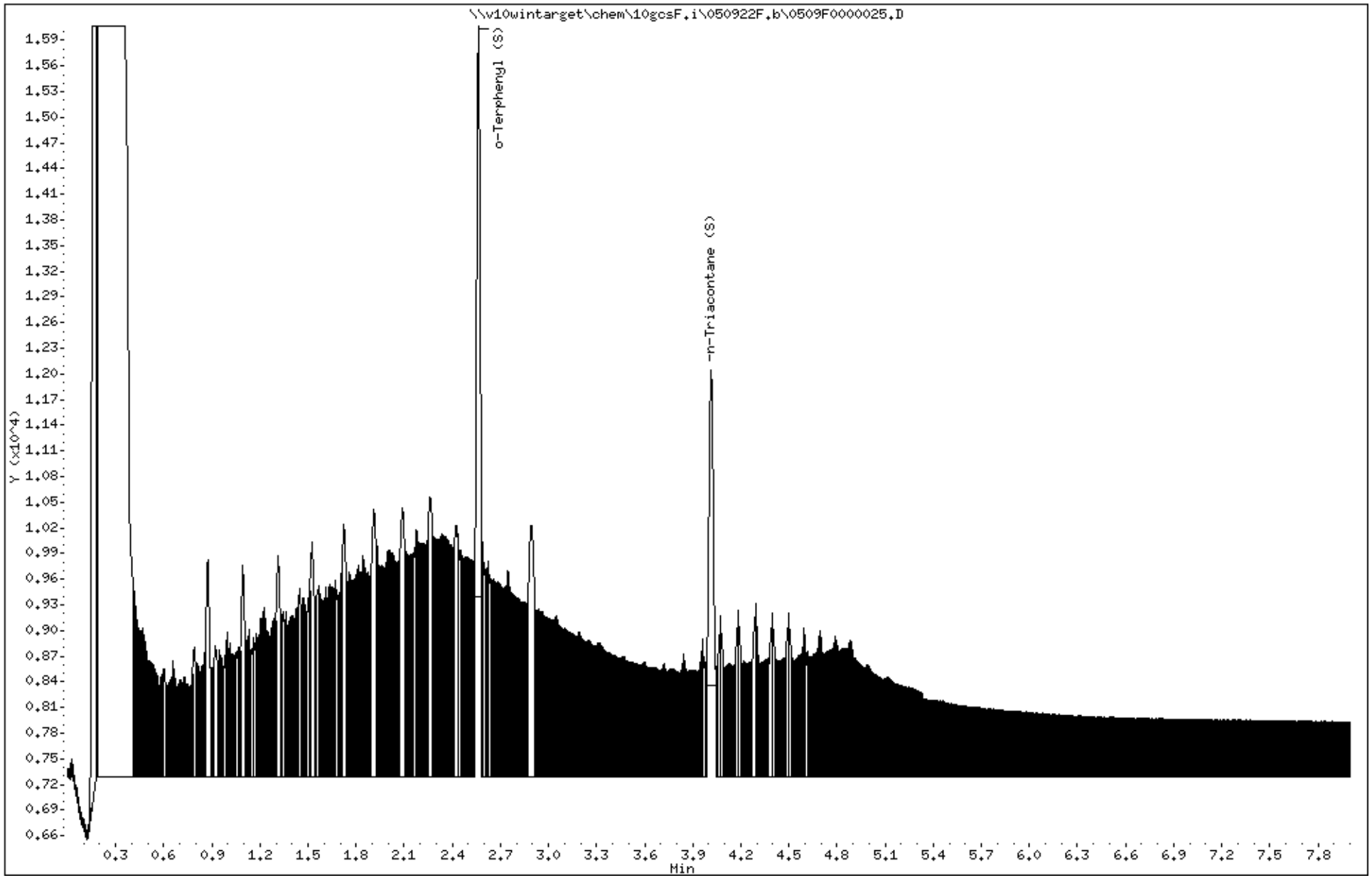
RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000025.D
Date : 09-MAY-2022 15:31
Client ID: DMO-CAL2,364980:2
Sample Info: DMO-CAL2,364980:2

Column phase: DB-5-US21390001

Instrument: 10gcsF.i

Operator: TT2
Column diameter: 0.32



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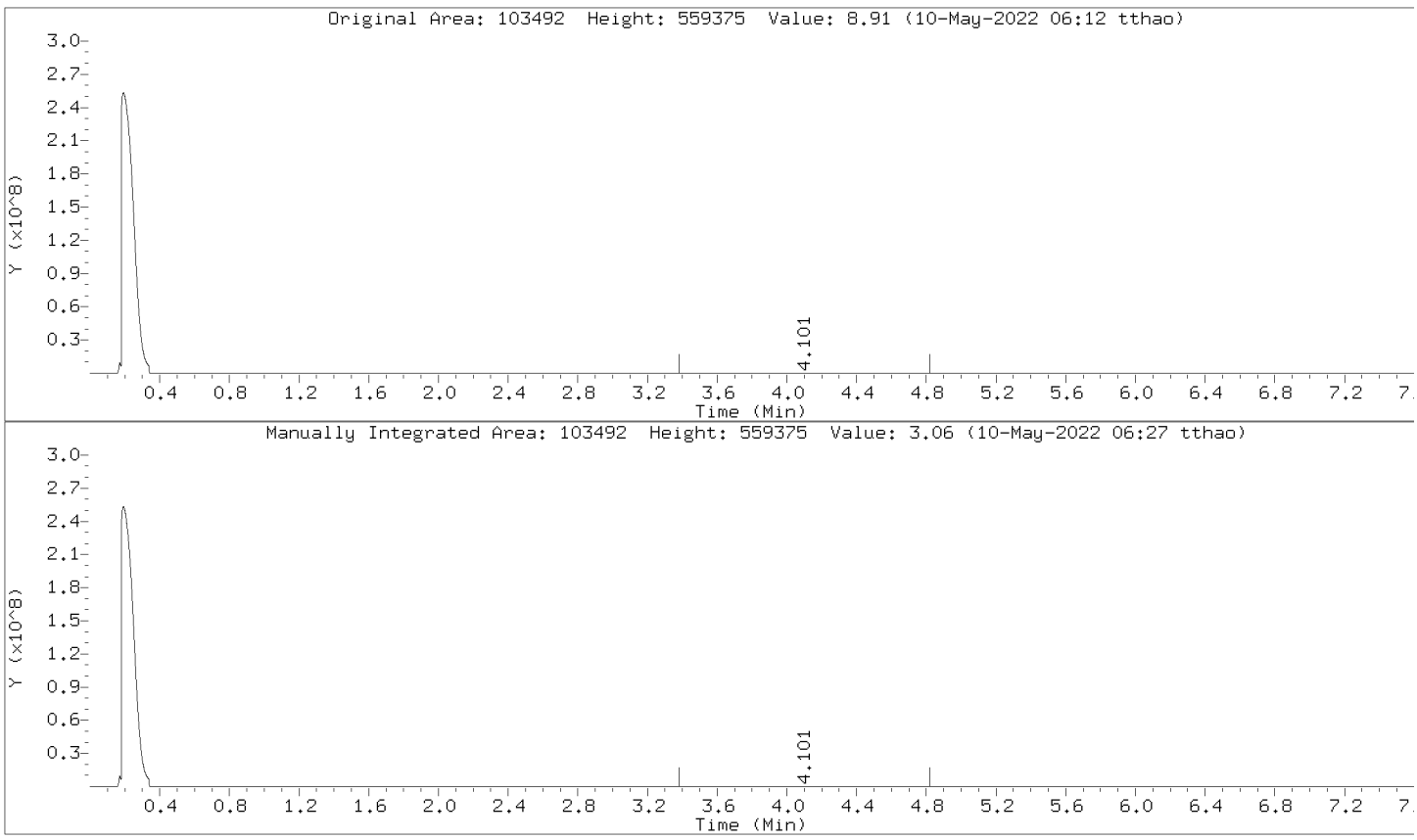
45 of 710
10606560

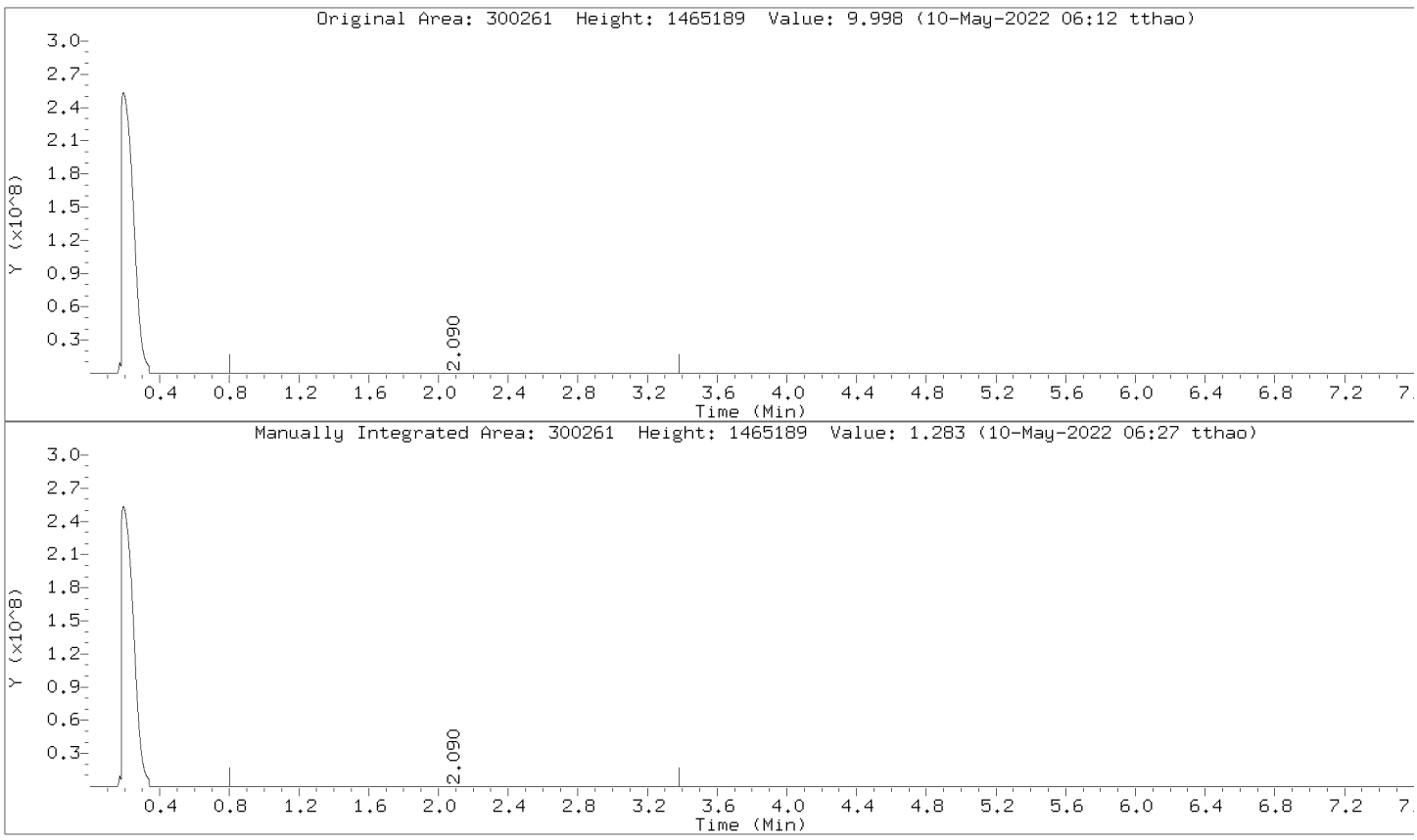
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



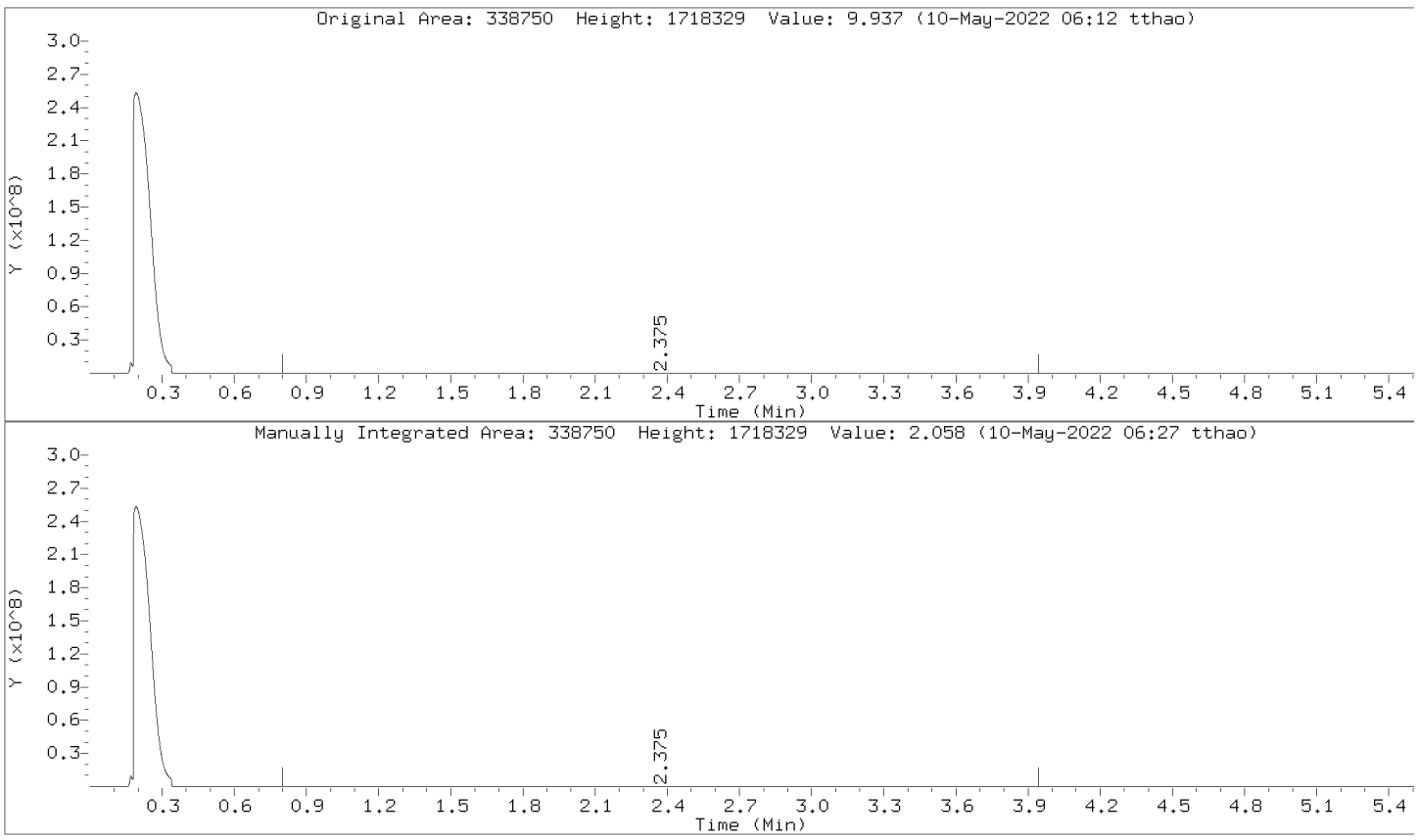
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



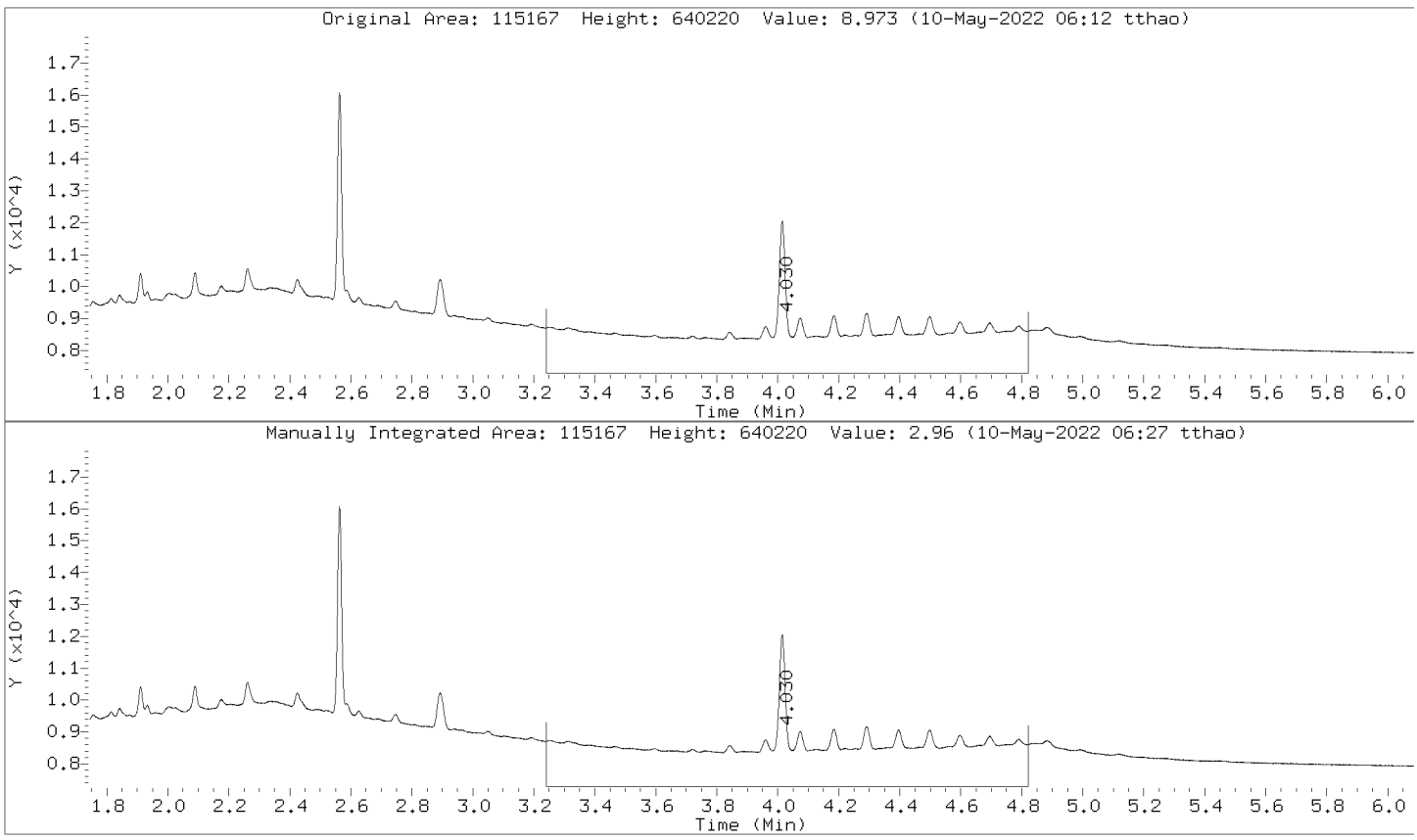
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



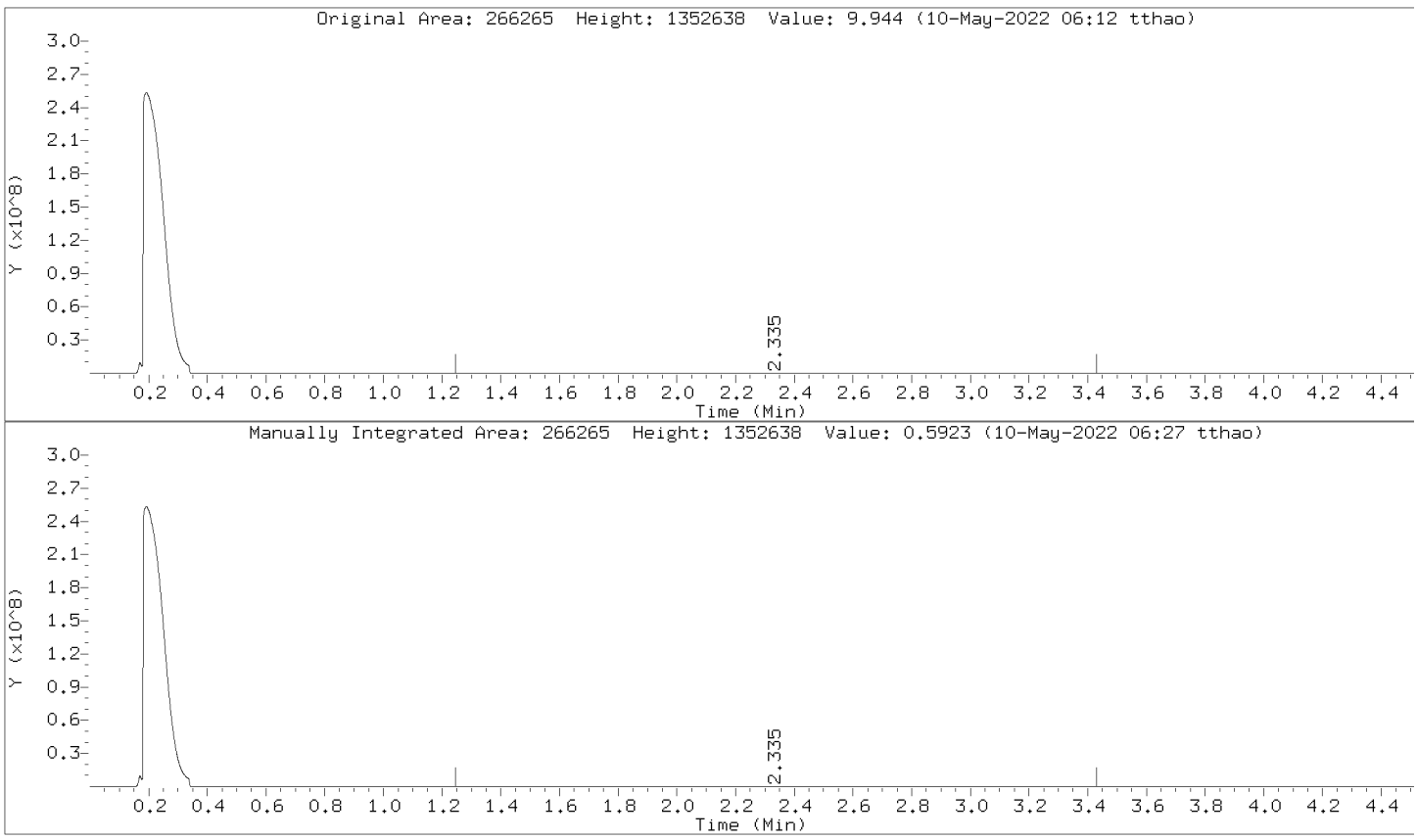
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



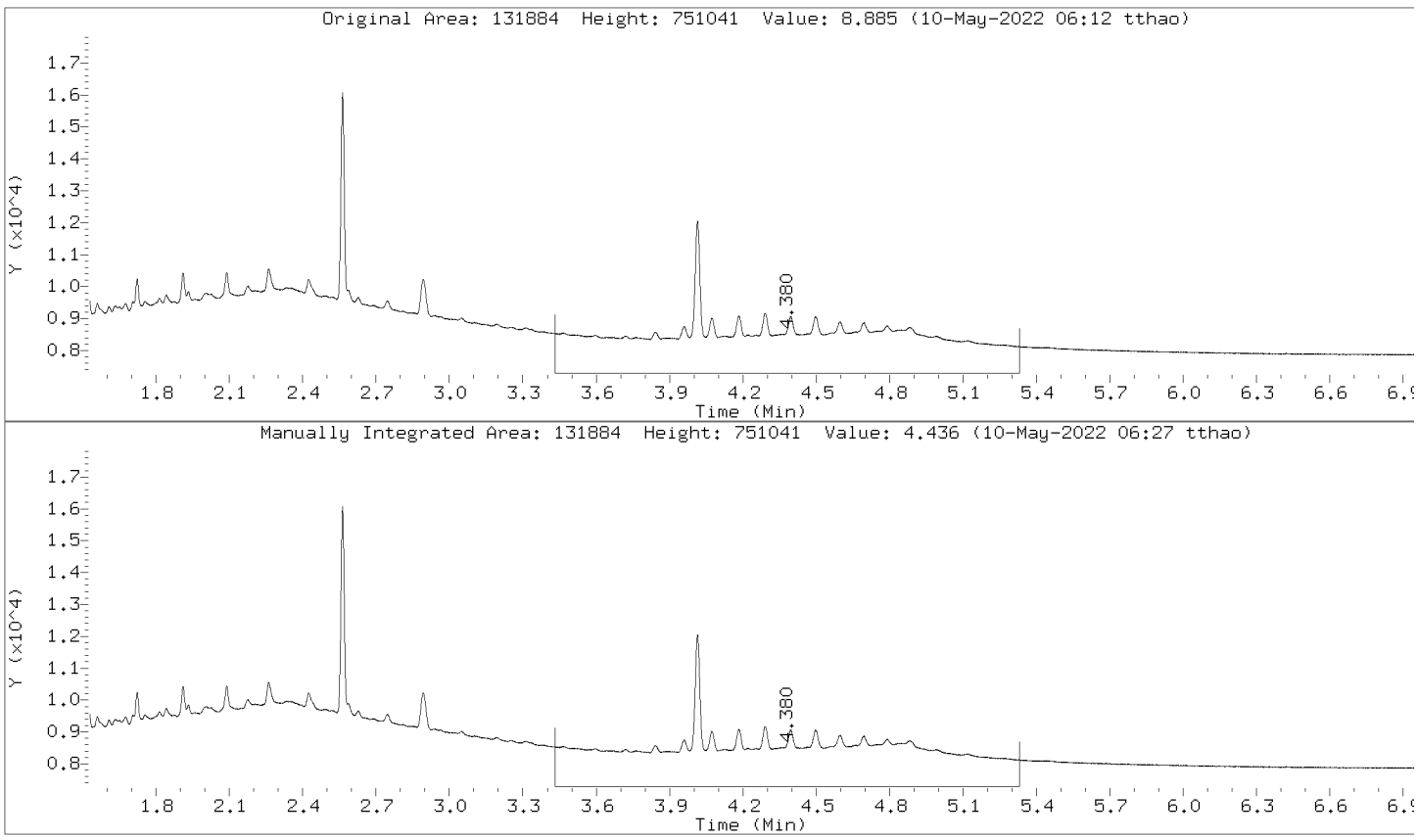
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



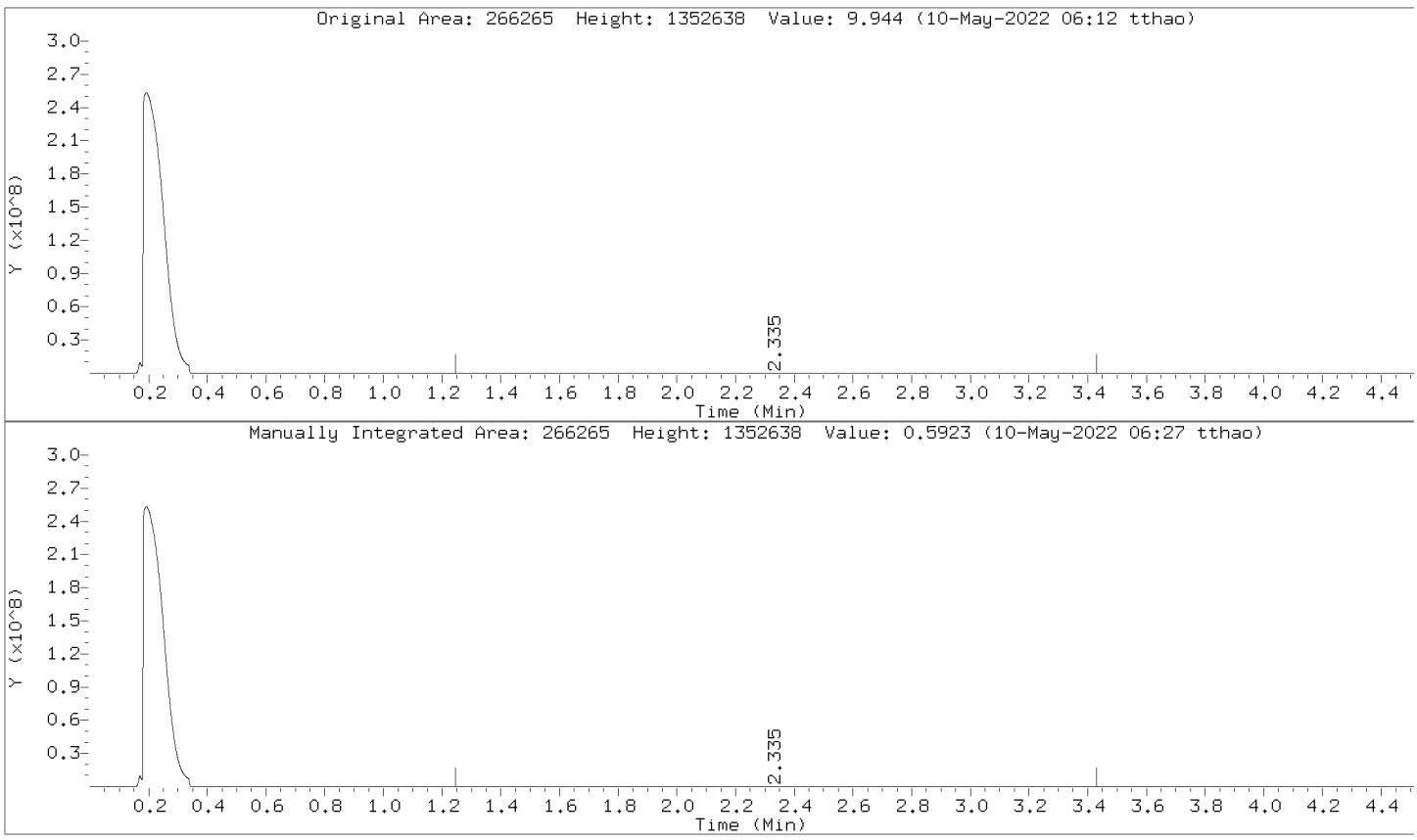
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



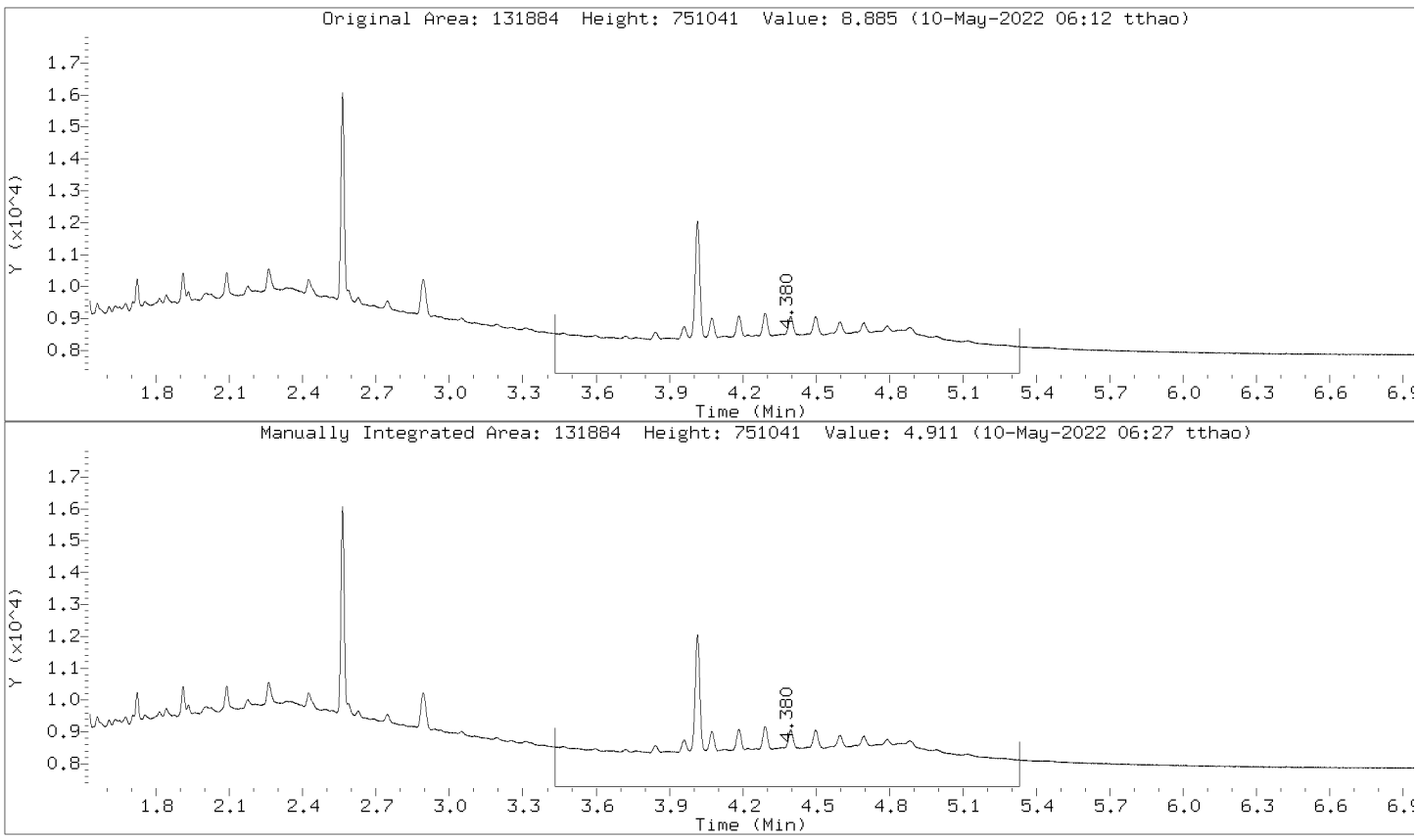
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



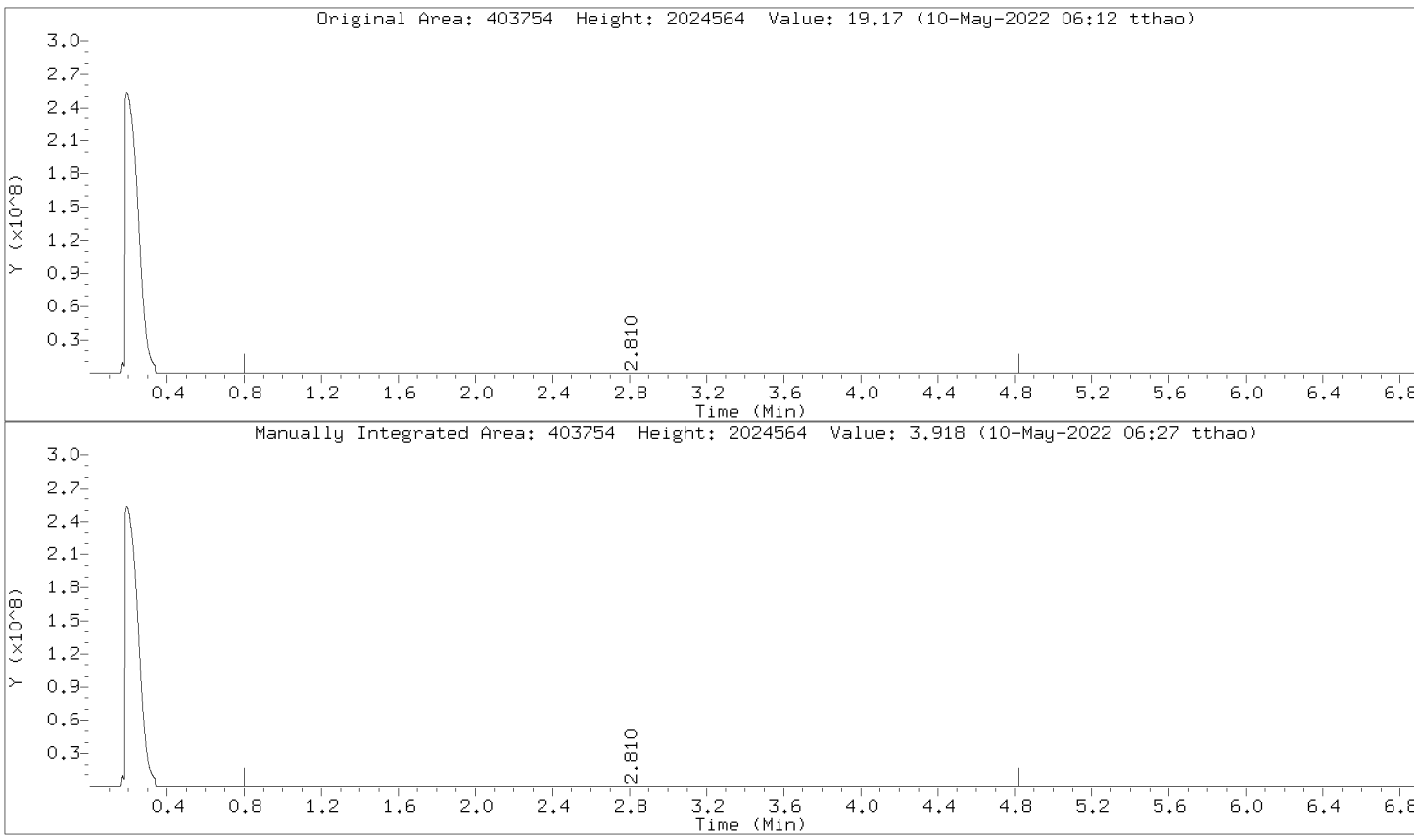
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



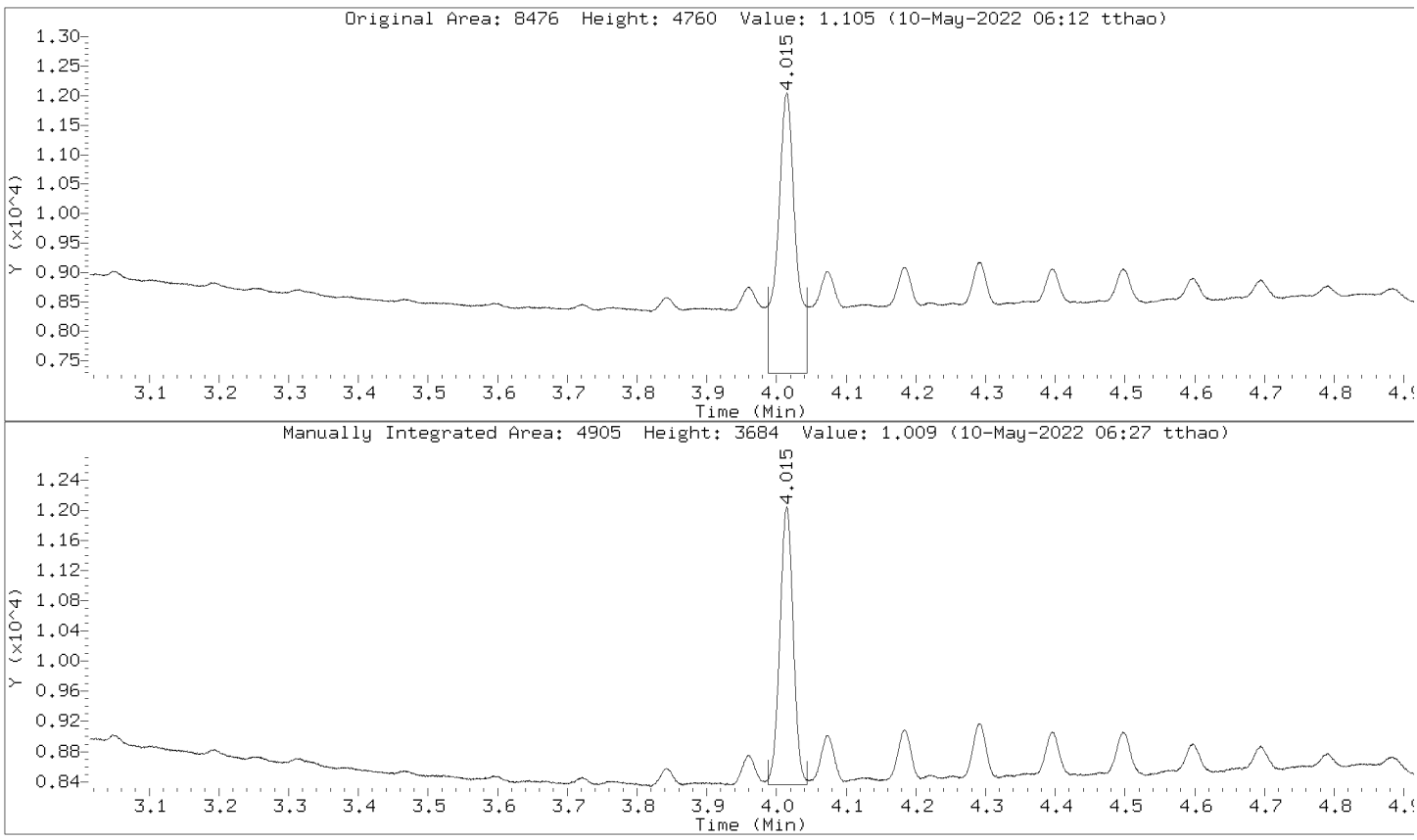
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: C10-C36 Review Code: RNG
CAS Number:



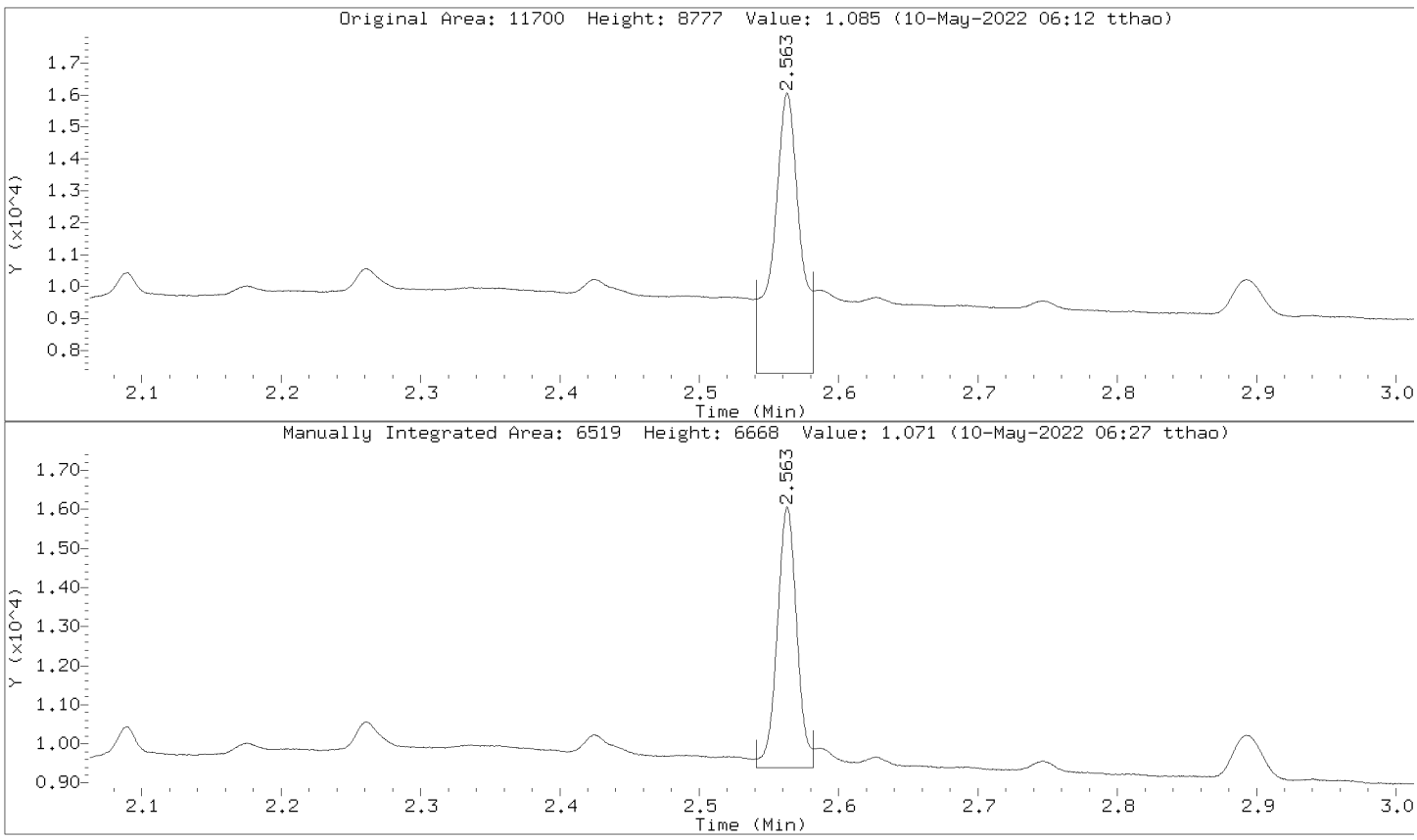
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	103492	103492
DRO by AK 102	300261	300261
TPH-DRO (C10-C28)	338750	338750
Motor Oil Range (C24-C36)	115167	115167
Diesel Fuel Range	266265	266265
Motor Oil Range	131884	131884
Diesel Fuel Range SG	266265	266265
Motor Oil Range SG	131884	131884
C10-C36	403754	403754
n-Triacontane (S)	8476	4905
o-Terphenyl (S)	11700	6519

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000026.D
Lab Smp Id: DMO-CAL3,364981:2 Client Smp ID: DMO-CAL3,364981:2
Inj Date : 09-MAY-2022 15:43
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal3,364981:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		389510	25.0000	18.5	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.563	2.565	-0.002	15641	2.50000	2.57	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.015	4.017	-0.002	12598	2.50000	2.59	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		165785	25.0000	22.5	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		442147	25.0000	19.4	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		181686	25.0000	22.9	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		555295	50.0000	40.0	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		342102	25.0000	18.1	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		342102	25.0000	18.1	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		204704	25.0000	23.2	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		204704	25.0000	23.6	(M)	RNG

QC Flag Legend

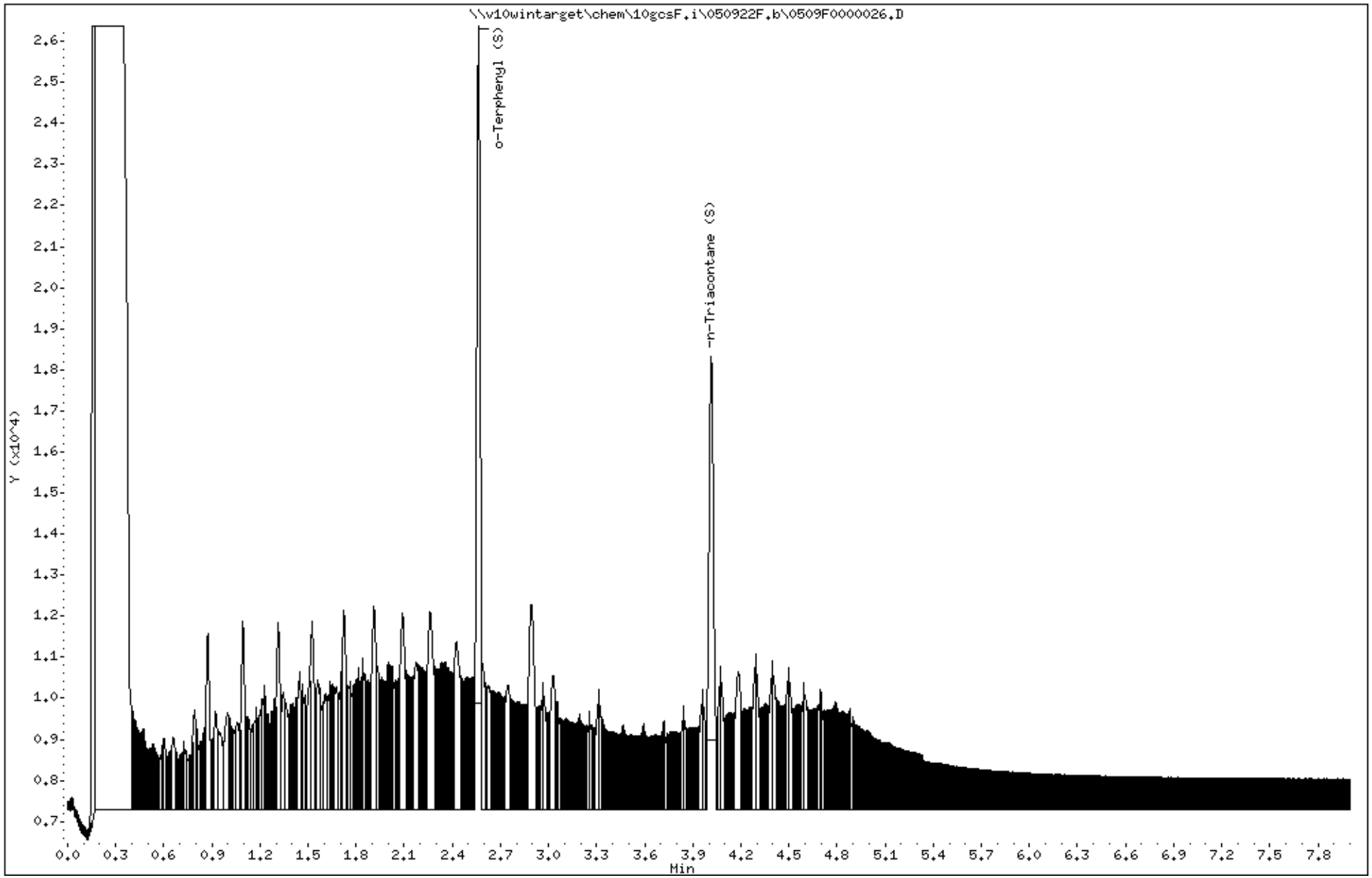
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

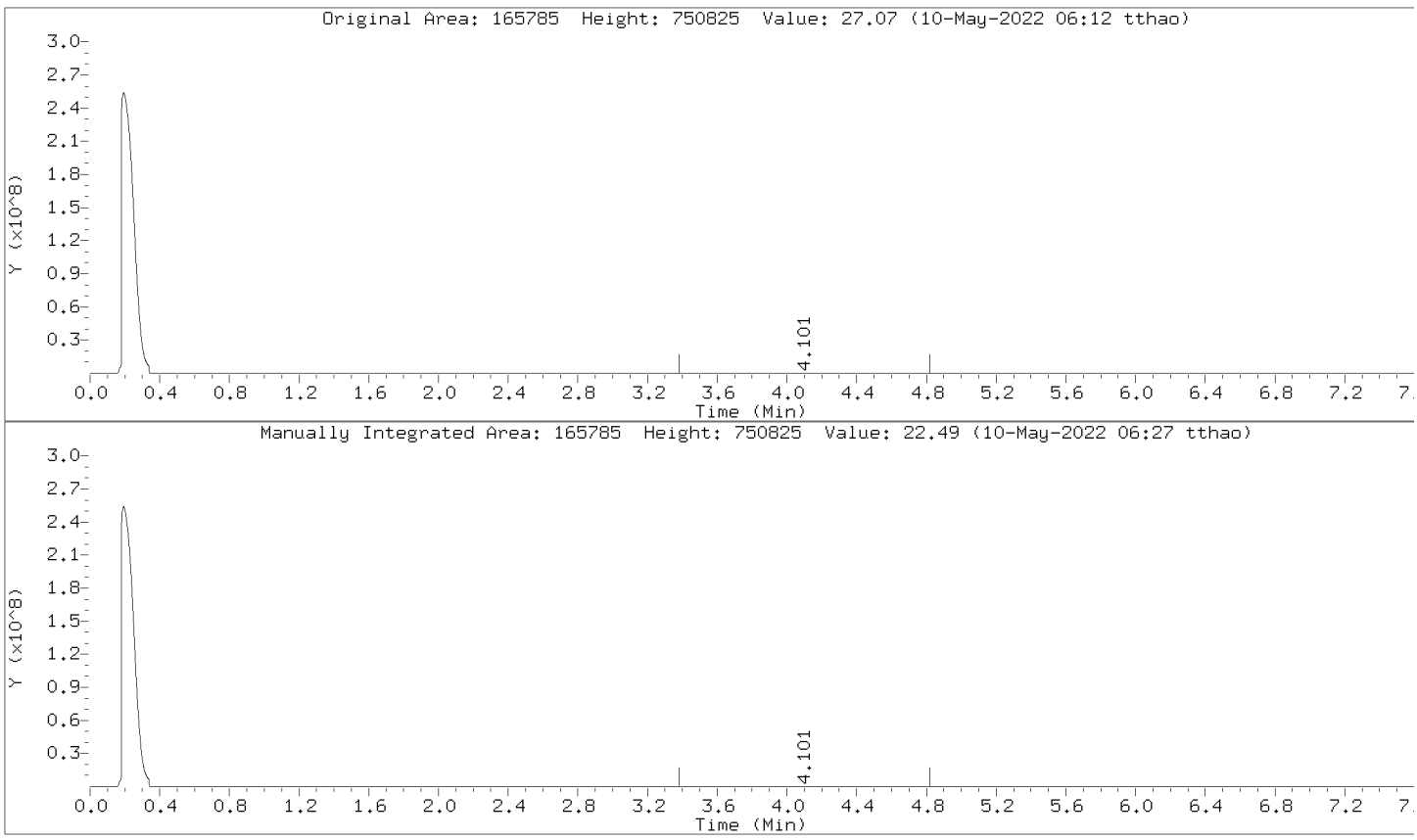
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000026.D
Date : 09-MAY-2022 15:43
Client ID: DMO-CAL3,364981:2
Sample Info: DMO-CAL3,364981:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



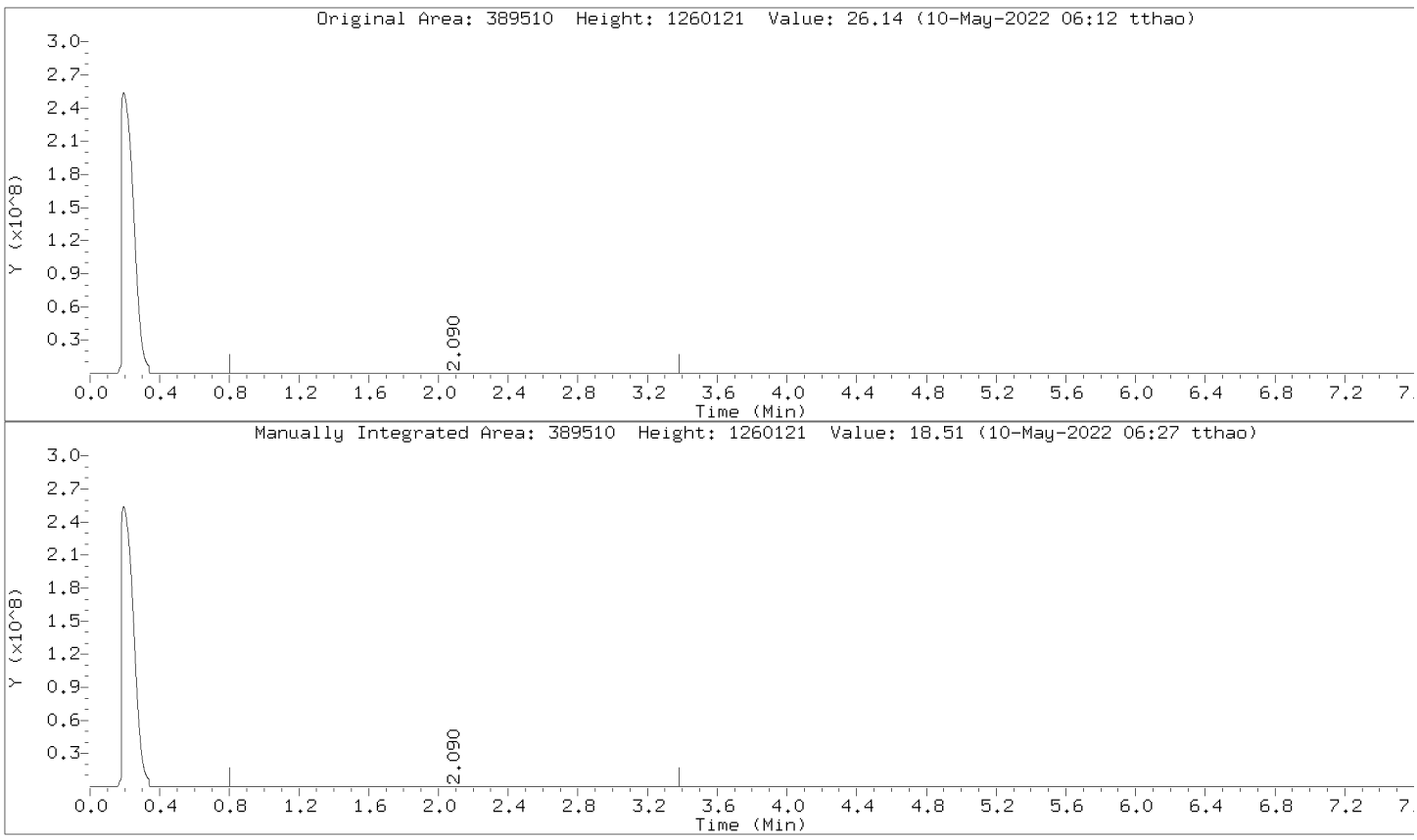
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



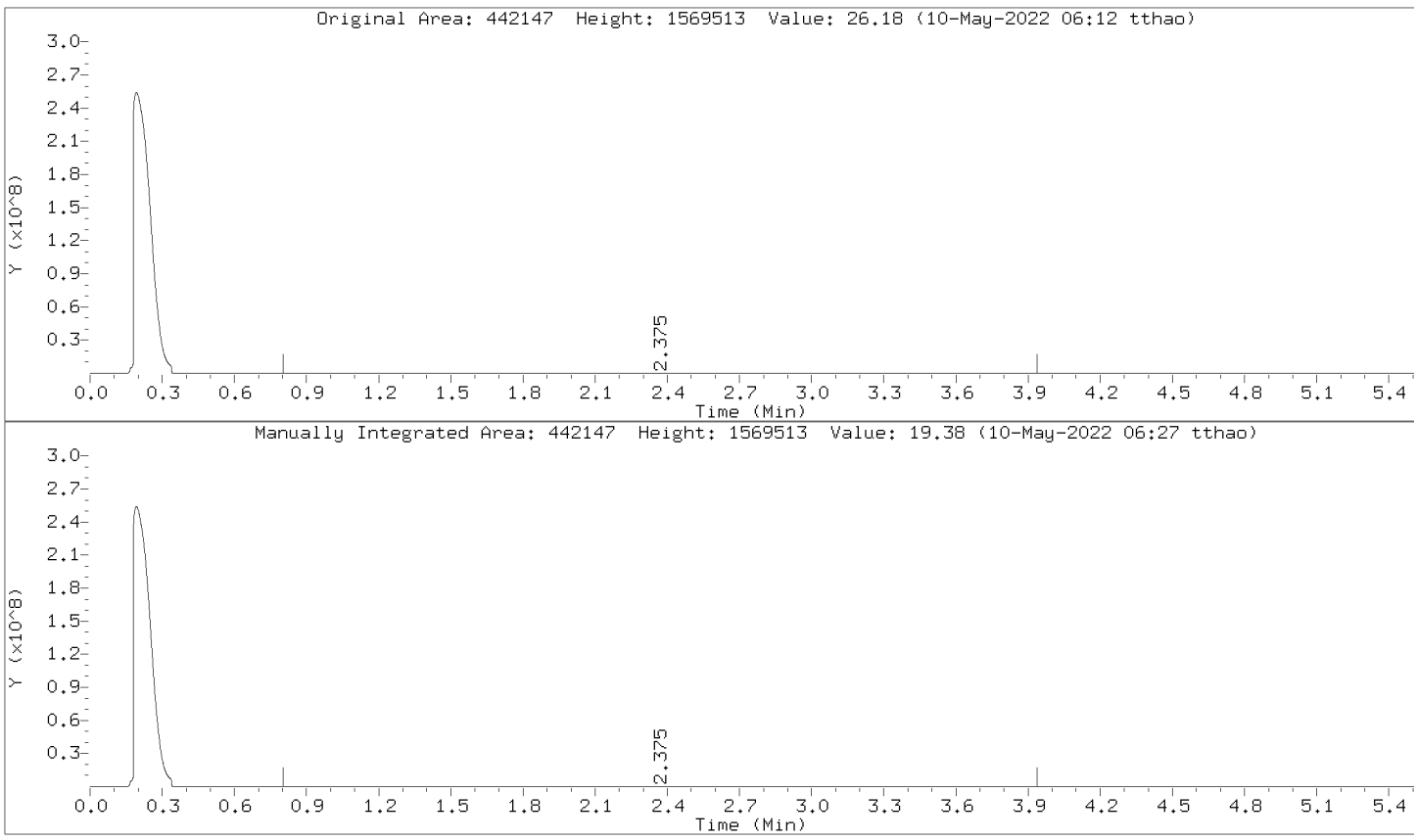
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



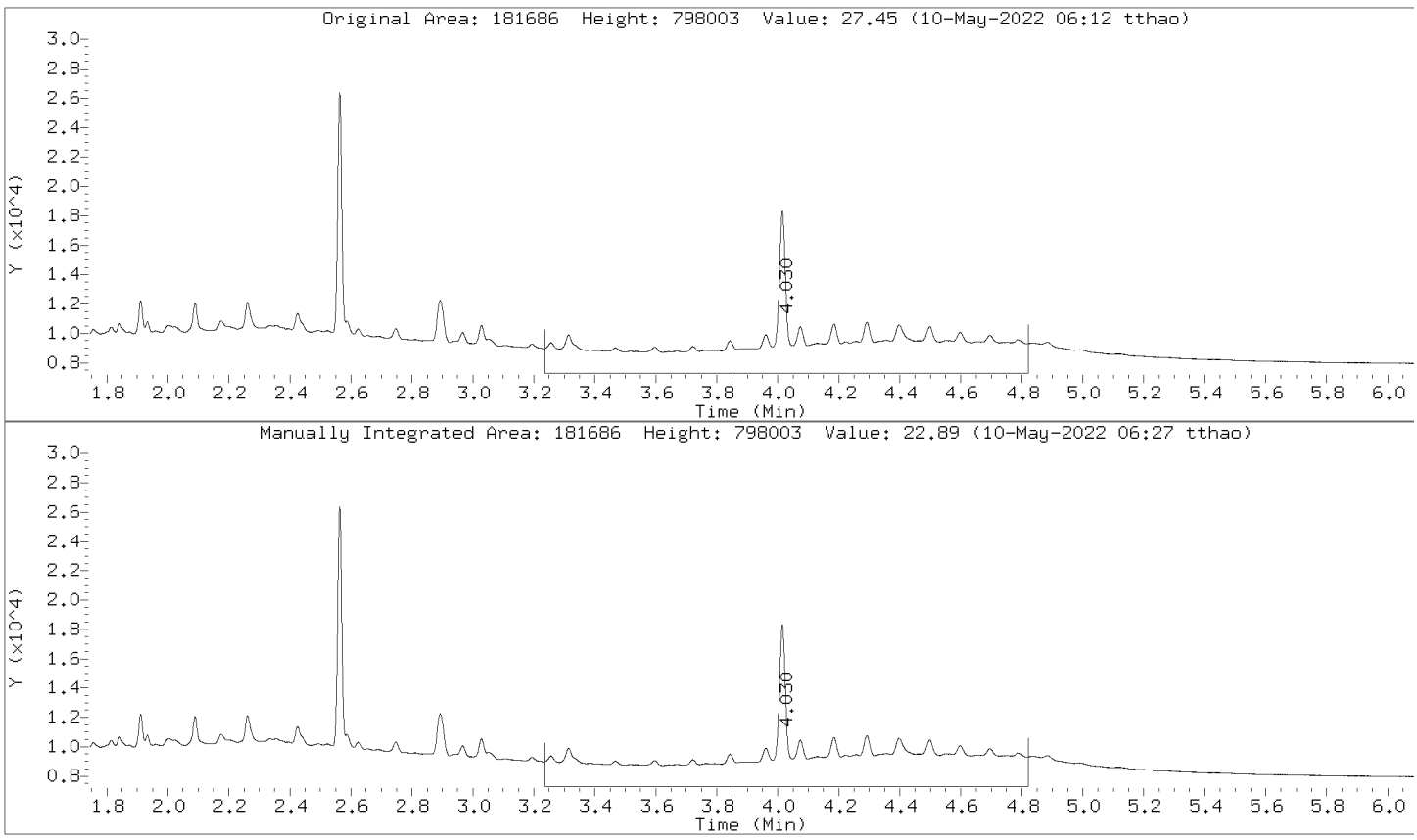
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



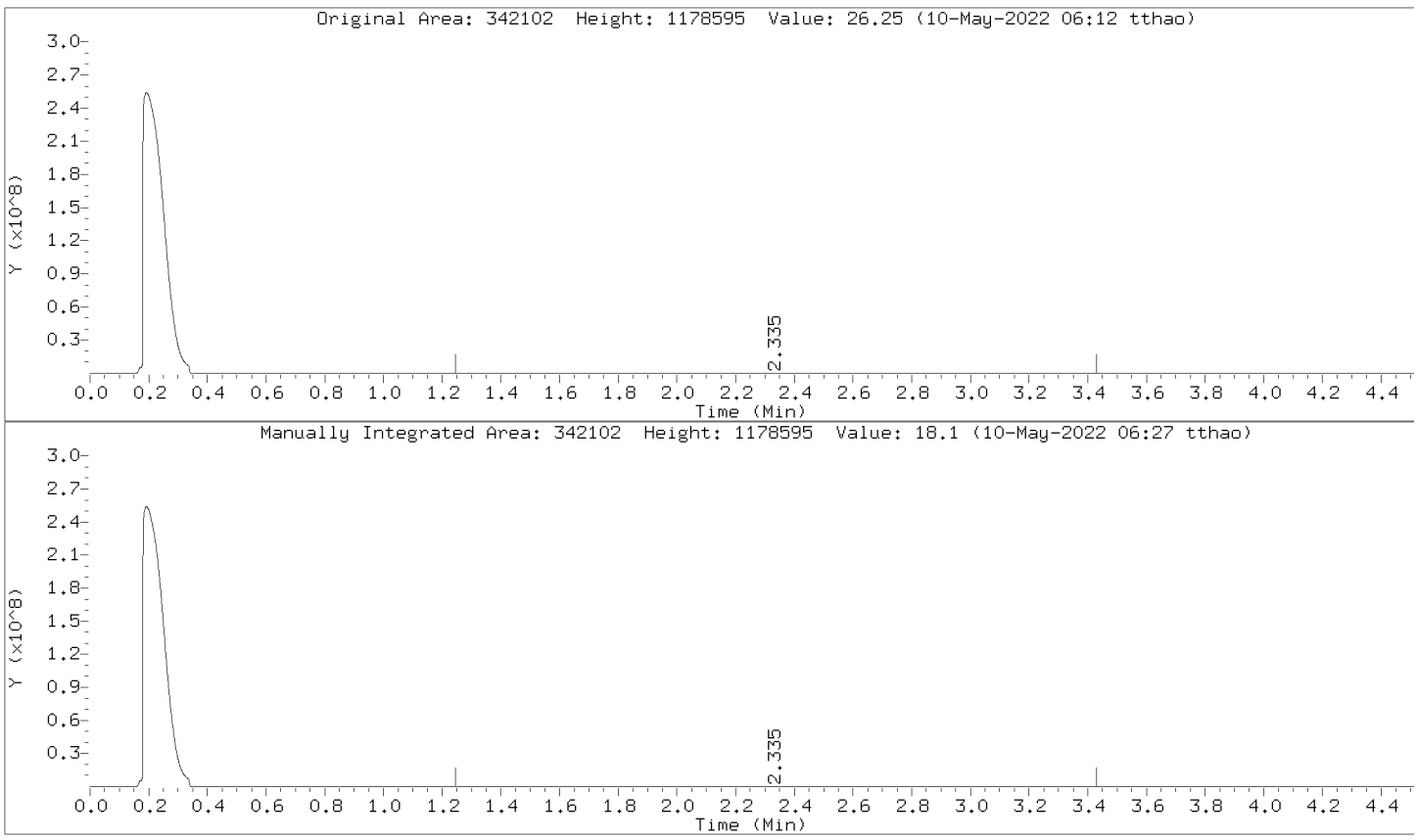
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



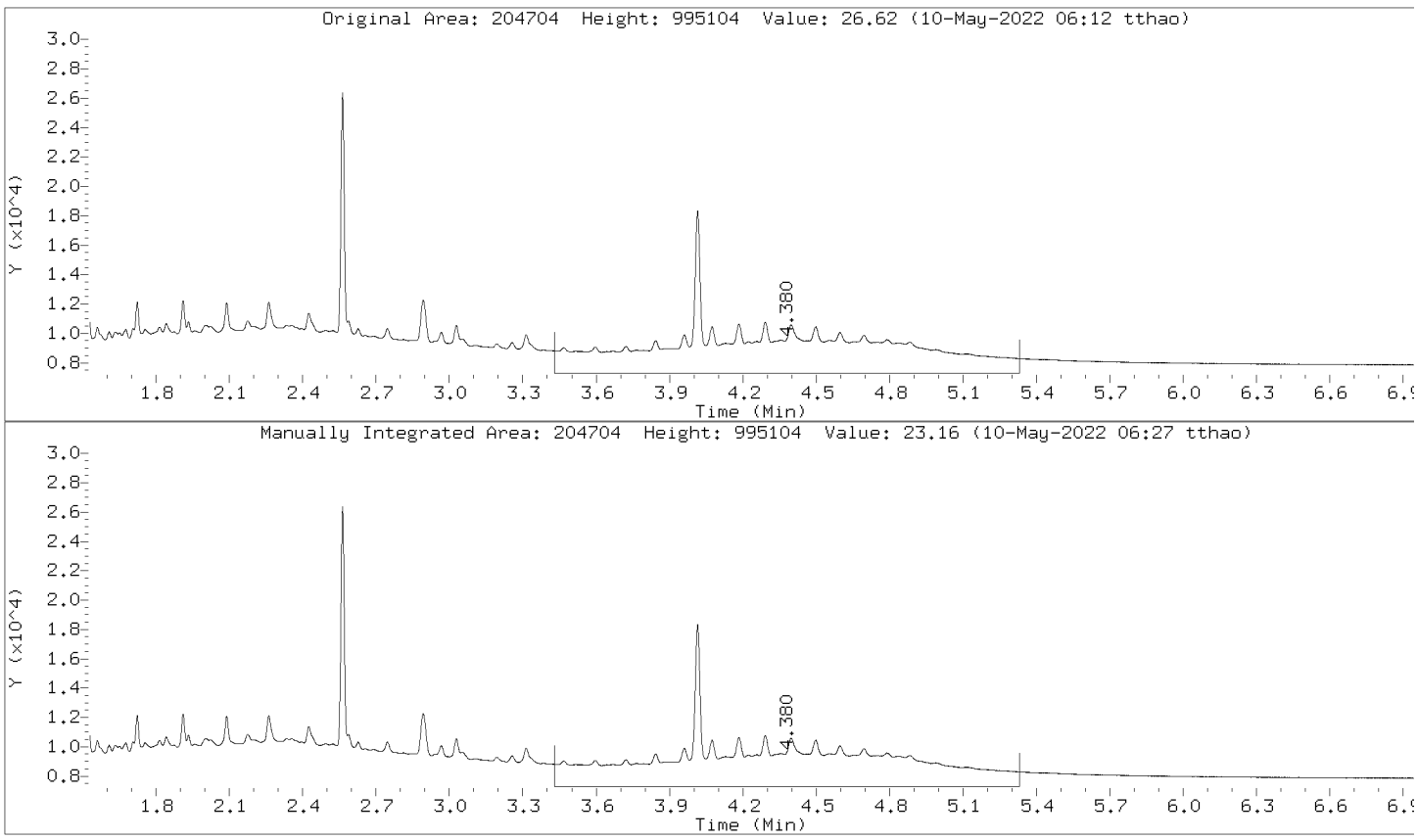
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



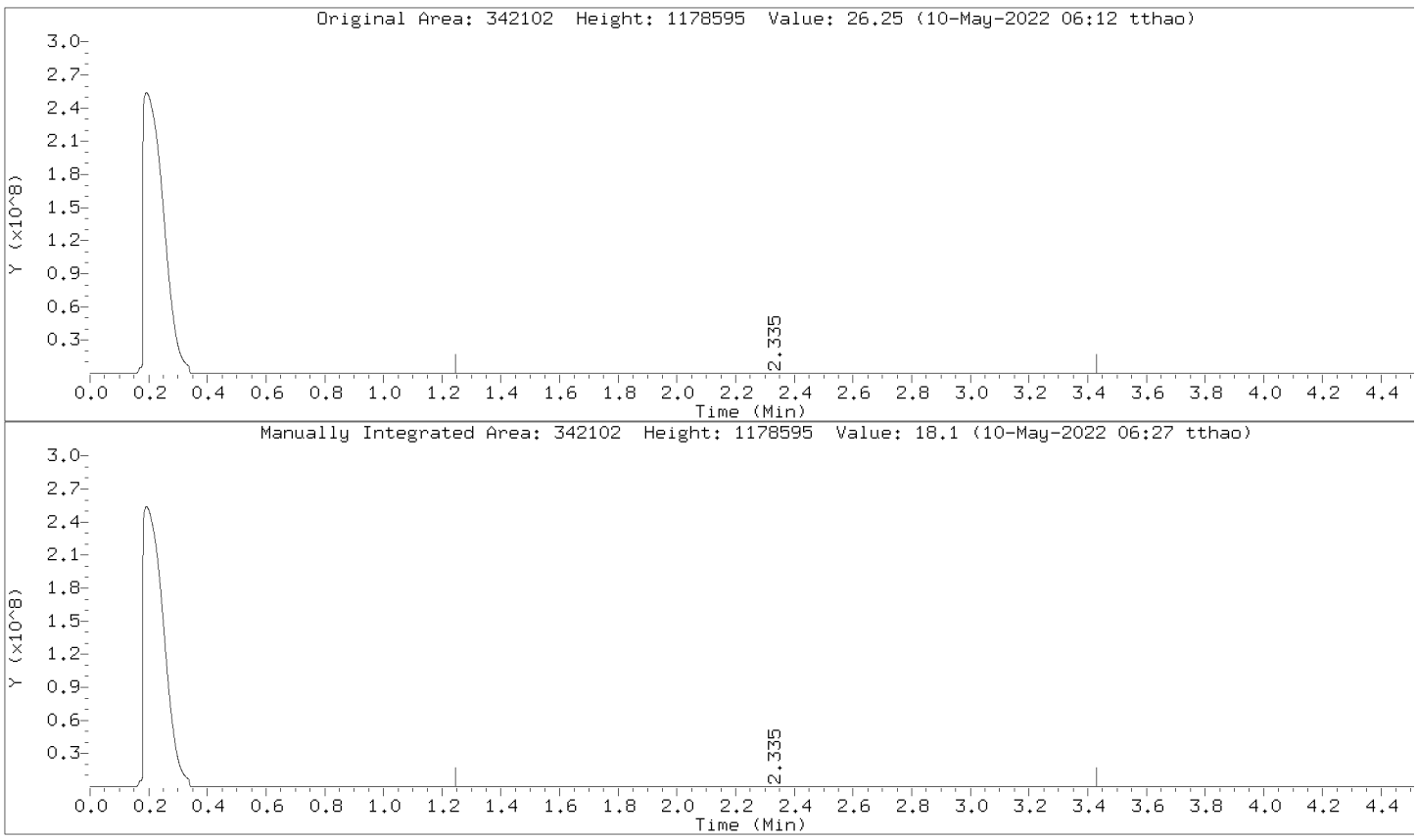
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



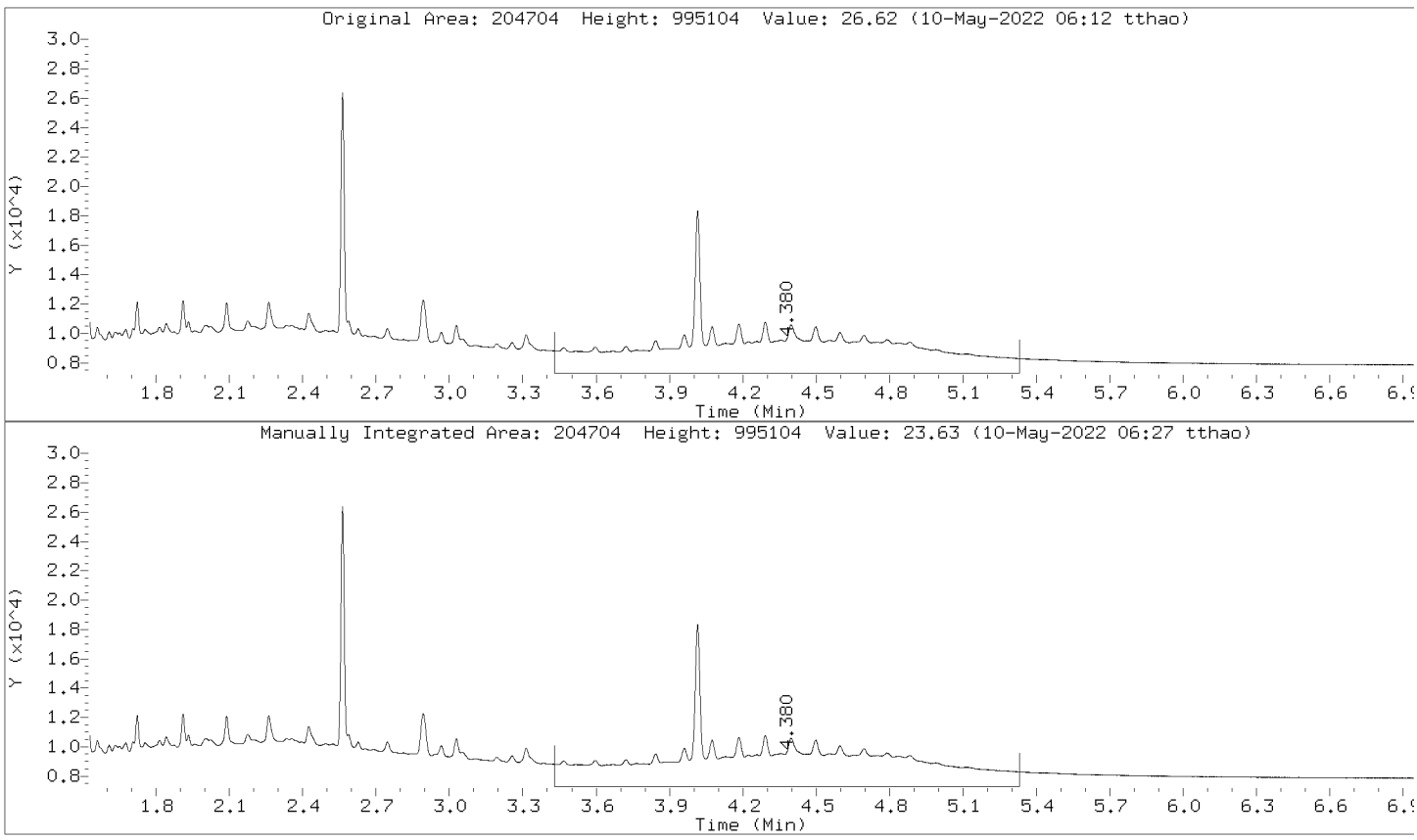
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



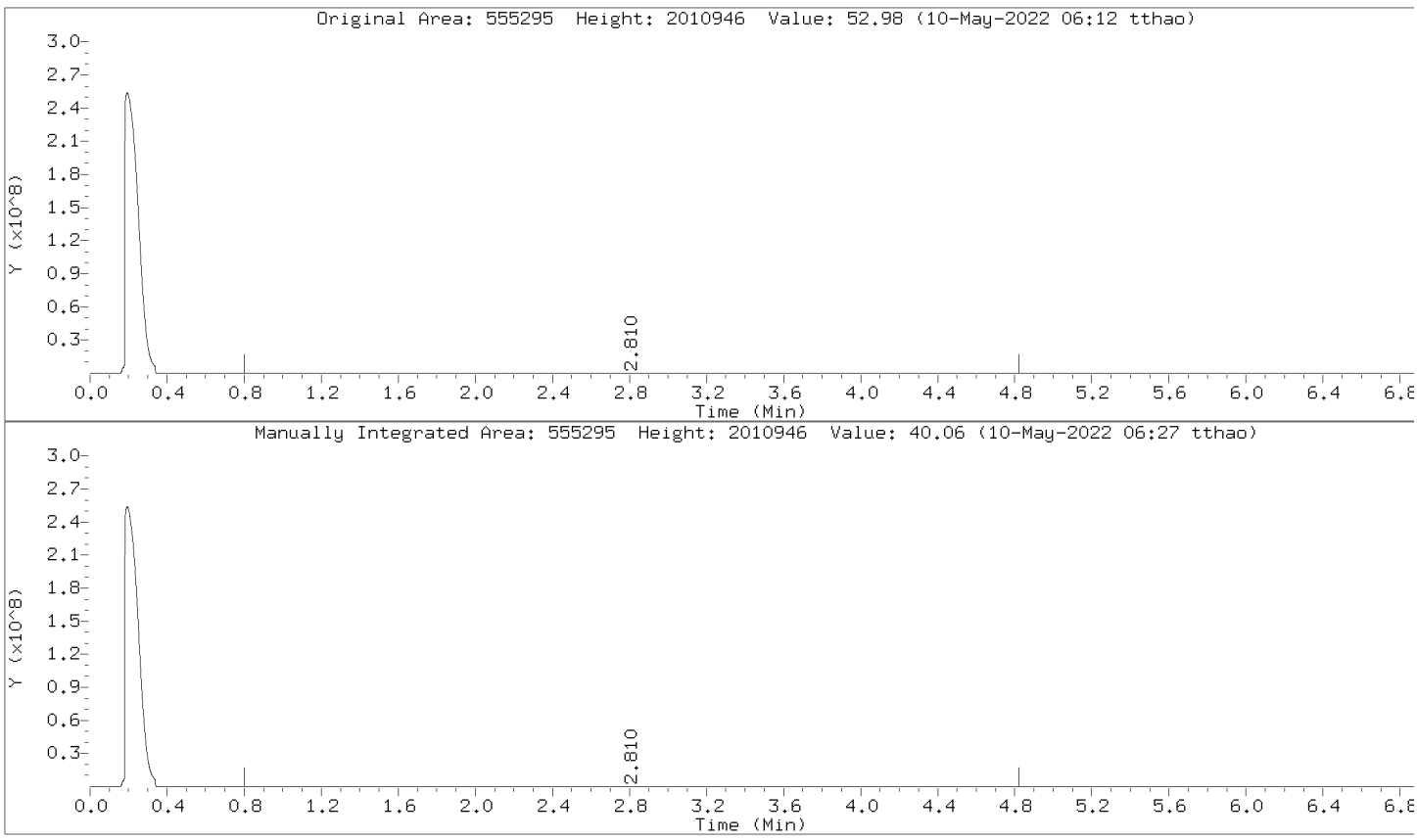
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



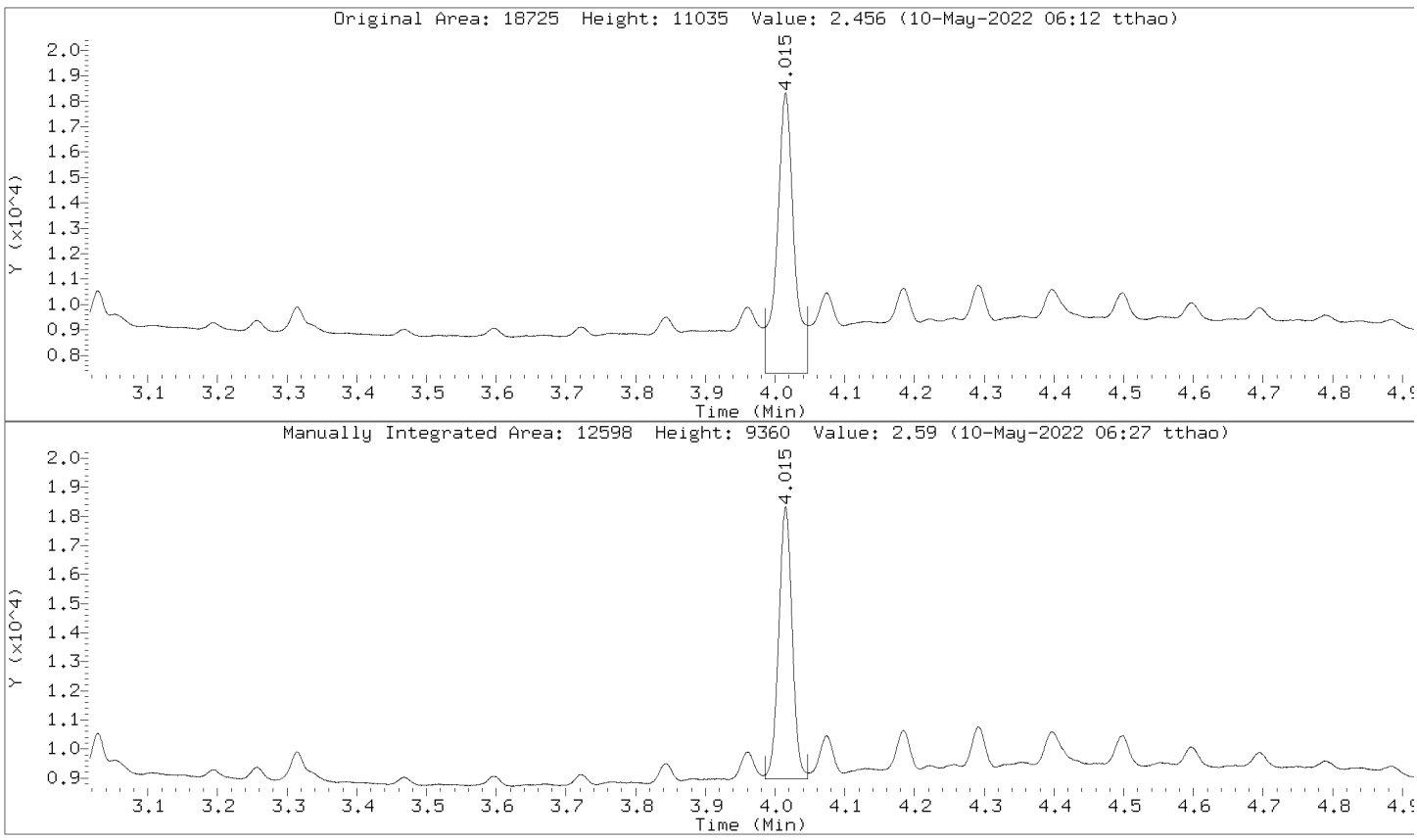
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: C10-C36 Review Code: RNG
CAS Number:



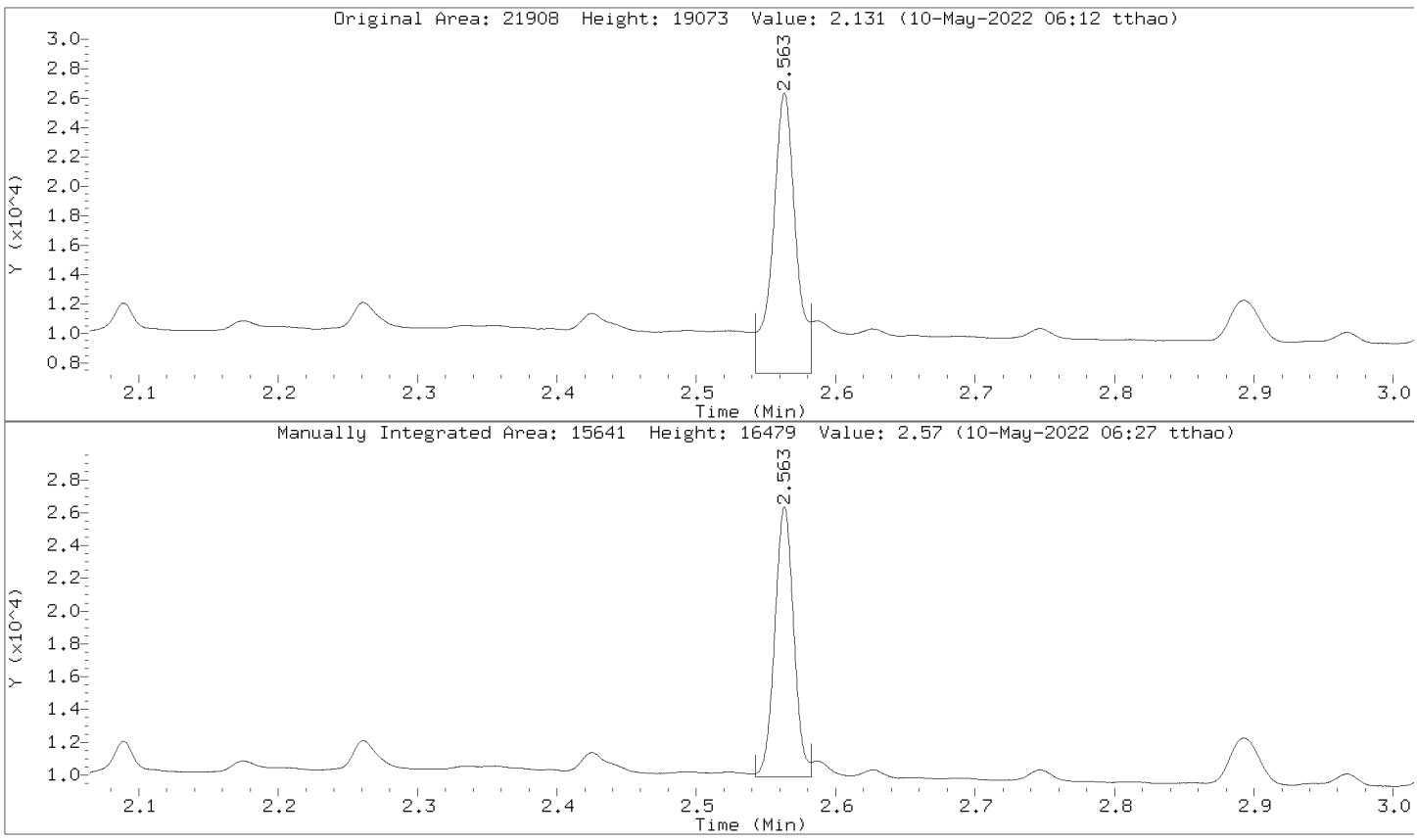
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	165785	165785
DRO by AK 102	389510	389510
TPH-DRO (C10-C28)	442147	442147
Motor Oil Range (C24-C36)	181686	181686
Diesel Fuel Range	342102	342102
Motor Oil Range	204704	204704
Diesel Fuel Range SG	342102	342102
Motor Oil Range SG	204704	204704
C10-C36	555295	555295
n-Triacontane (S)	18725	12598
o-Terphenyl (S)	21908	15641

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000027.D
Lab Smp Id: DMO-CAL4,364982:2 Client Smp ID: DMO-CAL4,364982:2
Inj Date : 09-MAY-2022 15:54
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal4,364982:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)		REVIEW CODE
S 1	DRO by AK 102					CAS #:		
	0.800 - 3.380			517634	50.0000	43.2	(M)	RNG
$ 2	o-Terphenyl (S)					CAS #:		
	2.563	2.565	-0.002	30411	5.00000	5.00	(M)	BA
$ 3	n-Triacontane (S)					CAS #:		
	4.014	4.017	-0.003	24771	5.00000	5.09	(M)	BA
S 4	Residual Range Organics AK103					CAS #:		
	3.381 - 4.820			234087	50.0000	43.8	(M)	RNG
S 5	TPH-DRO (C10-C28)					CAS #:		
	0.800 - 3.950			589190	50.0000	44.0	(M)	RNG
S 6	Motor Oil Range (C24-C36)					CAS #:		
	3.240 - 4.820			251409	50.0000	43.8	(M)	RNG
S 7	C10-C36					CAS #:		
	0.800 - 4.820			751878	100.000	86.9	(M)	RNG
S 8	Diesel Fuel Range					CAS #:		
	1.240 - 3.430			448600	50.0000	42.7	(M)	RNG
S 9	Diesel Fuel Range SG					CAS #:		
	1.240 - 3.430			448600	50.0000	42.7	(M)	RNG
S 10	Motor Oil Range					CAS #:		
	3.431 - 5.330			289607	50.0000	45.0	(M)	RNG
S 11	Motor Oil Range SG					CAS #:		
	3.431 - 5.330			289607	50.0000	45.5	(M)	RNG

QC Flag Legend

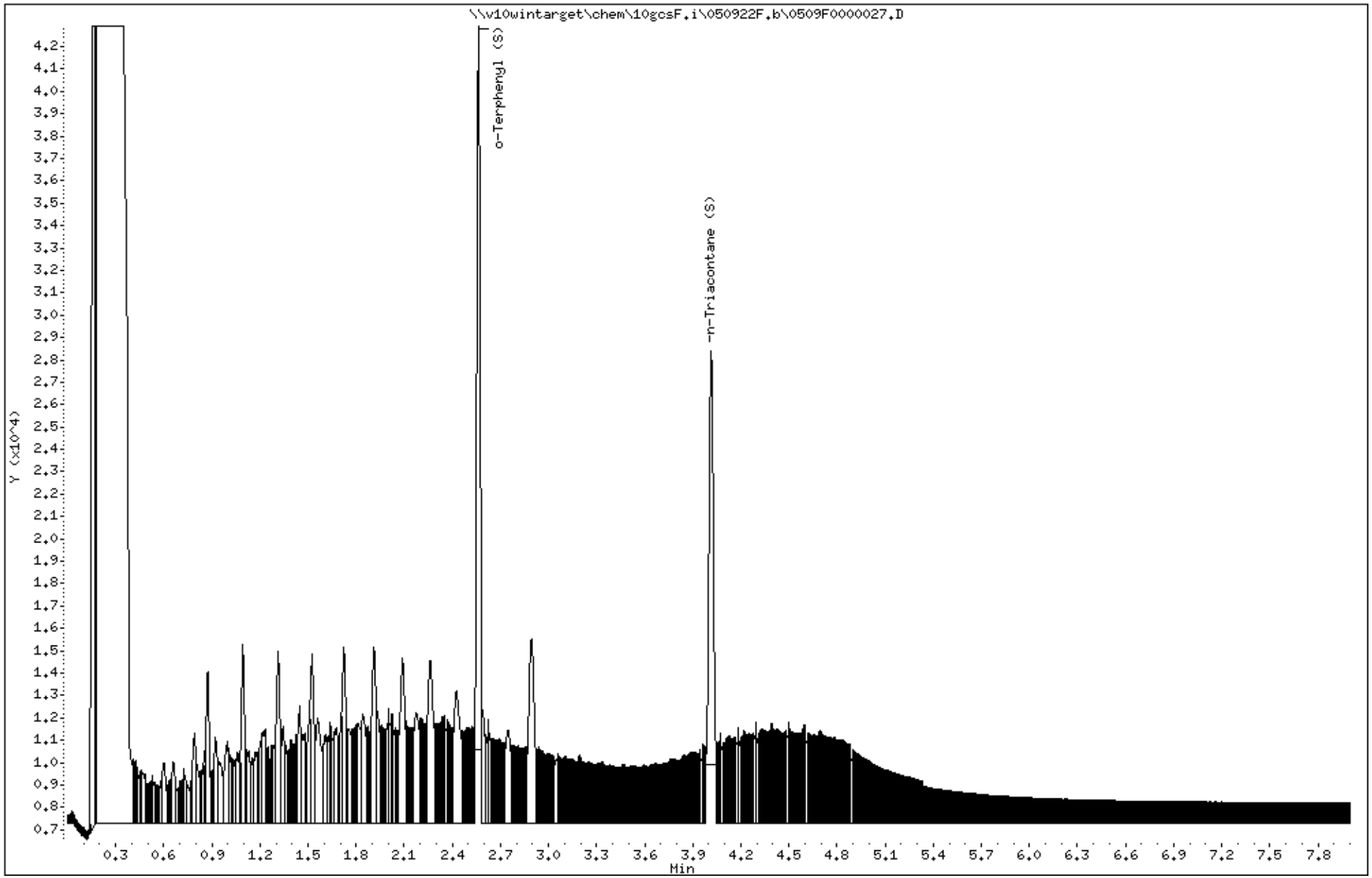
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

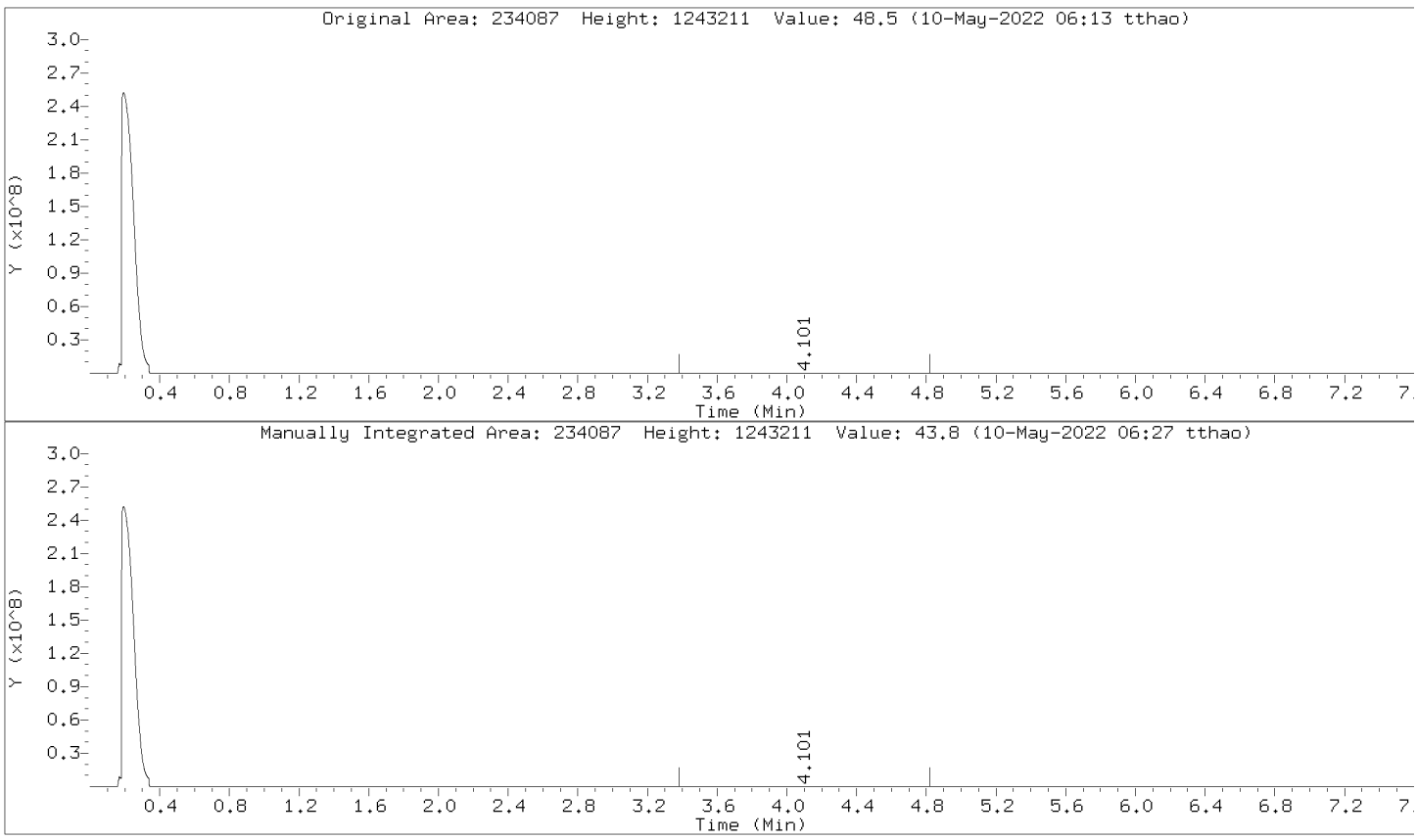
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000027.D
Date : 09-MAY-2022 15:54
Client ID: DMO-CAL4,364982:2
Sample Info: DMO-CAL4,364982:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



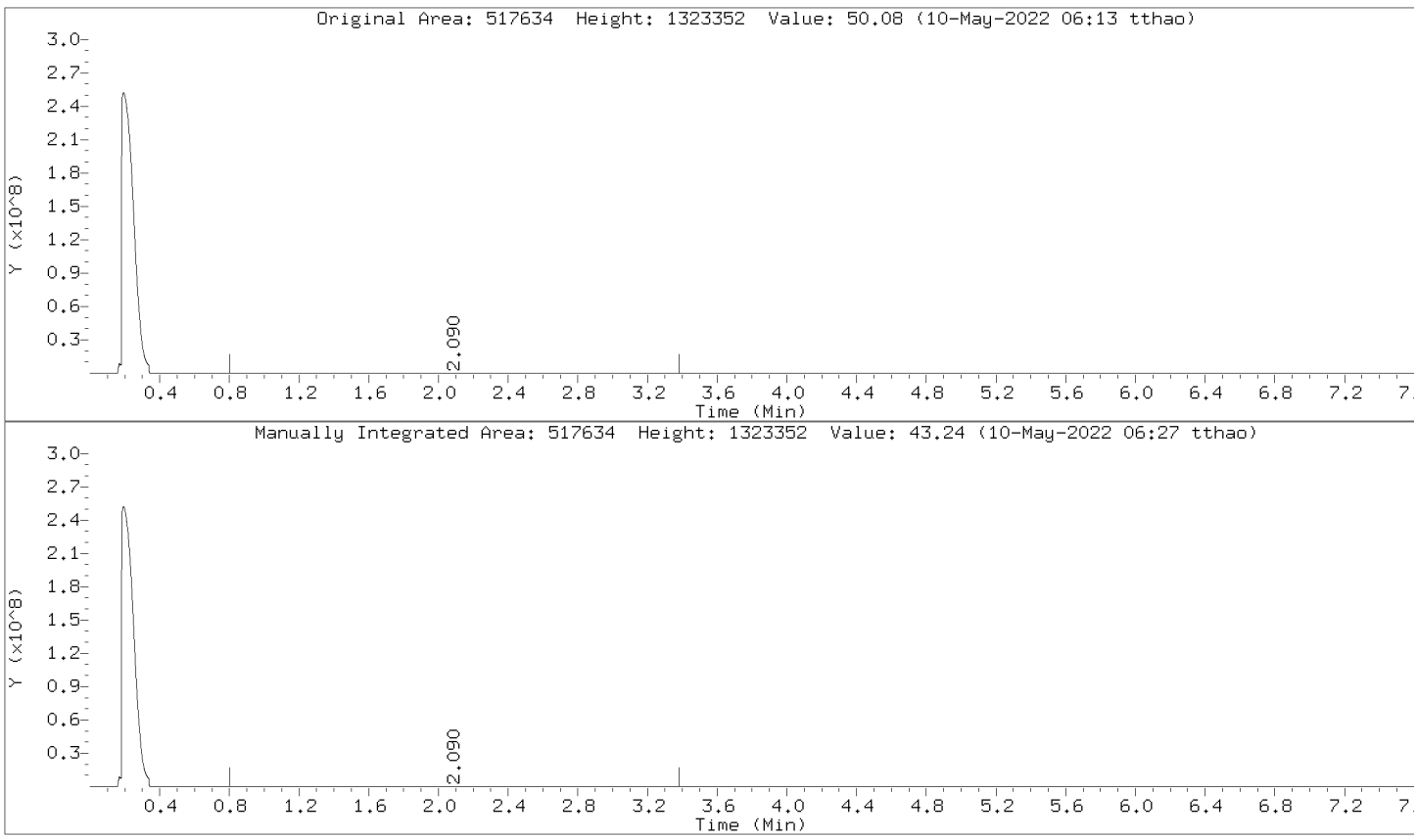
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



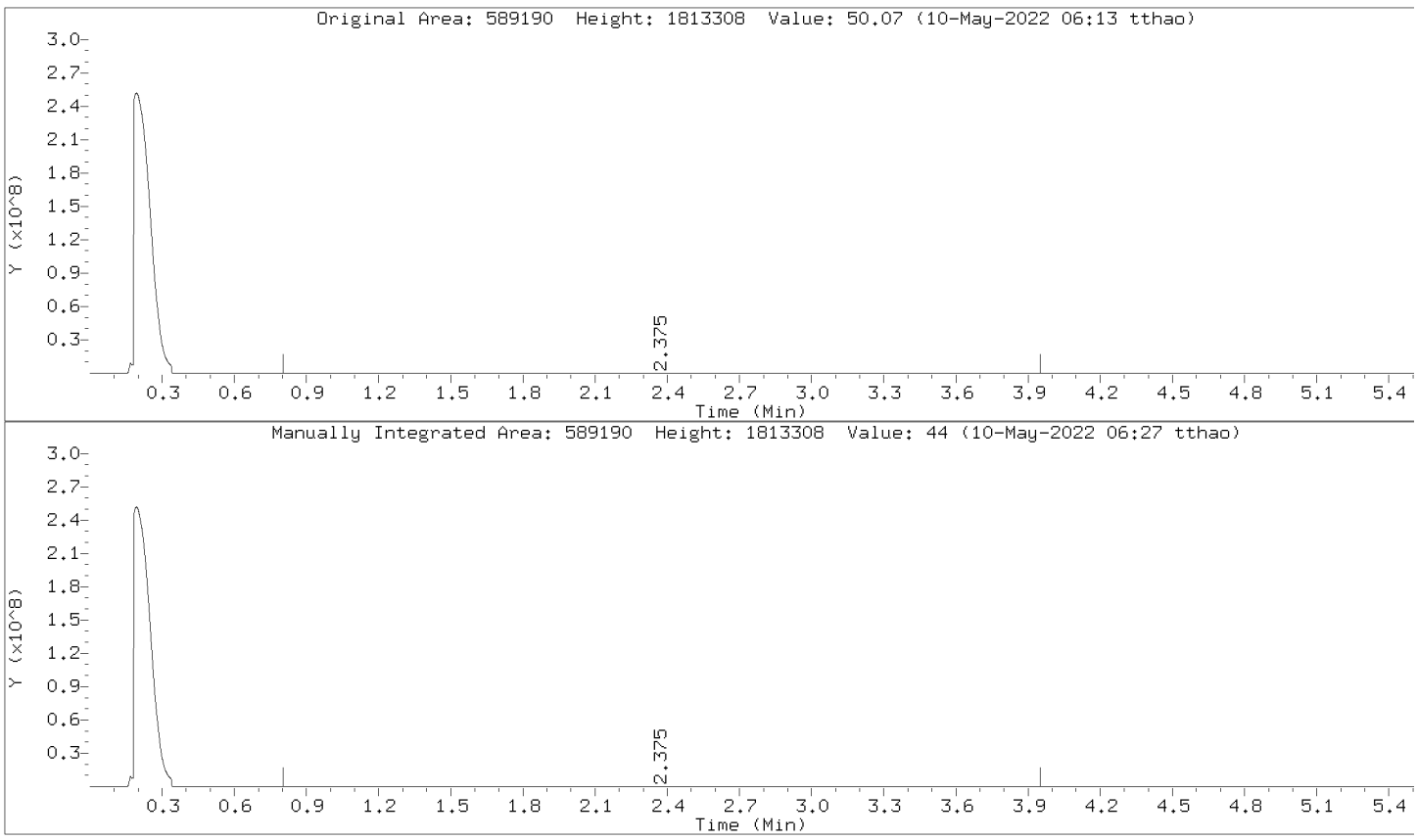
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



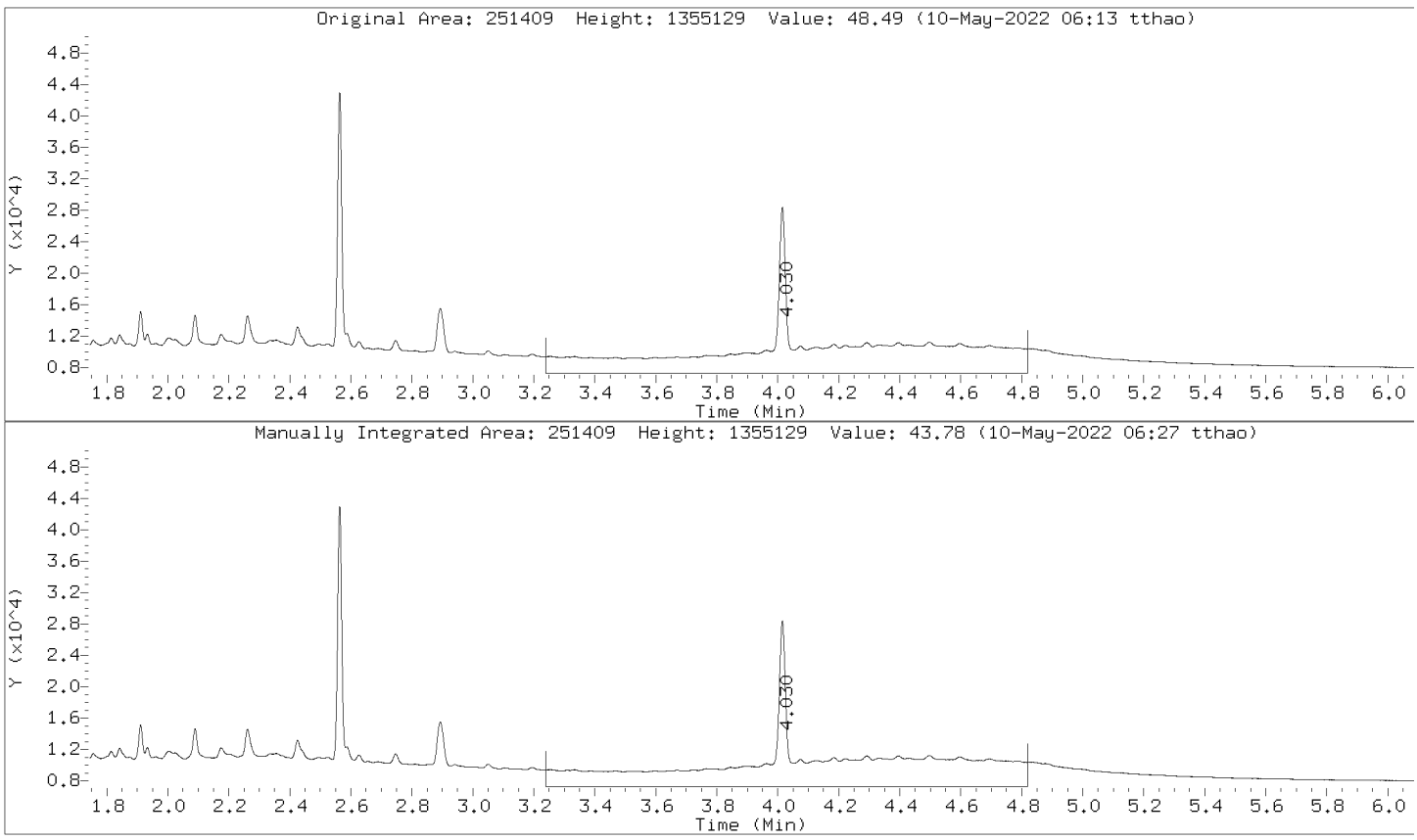
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



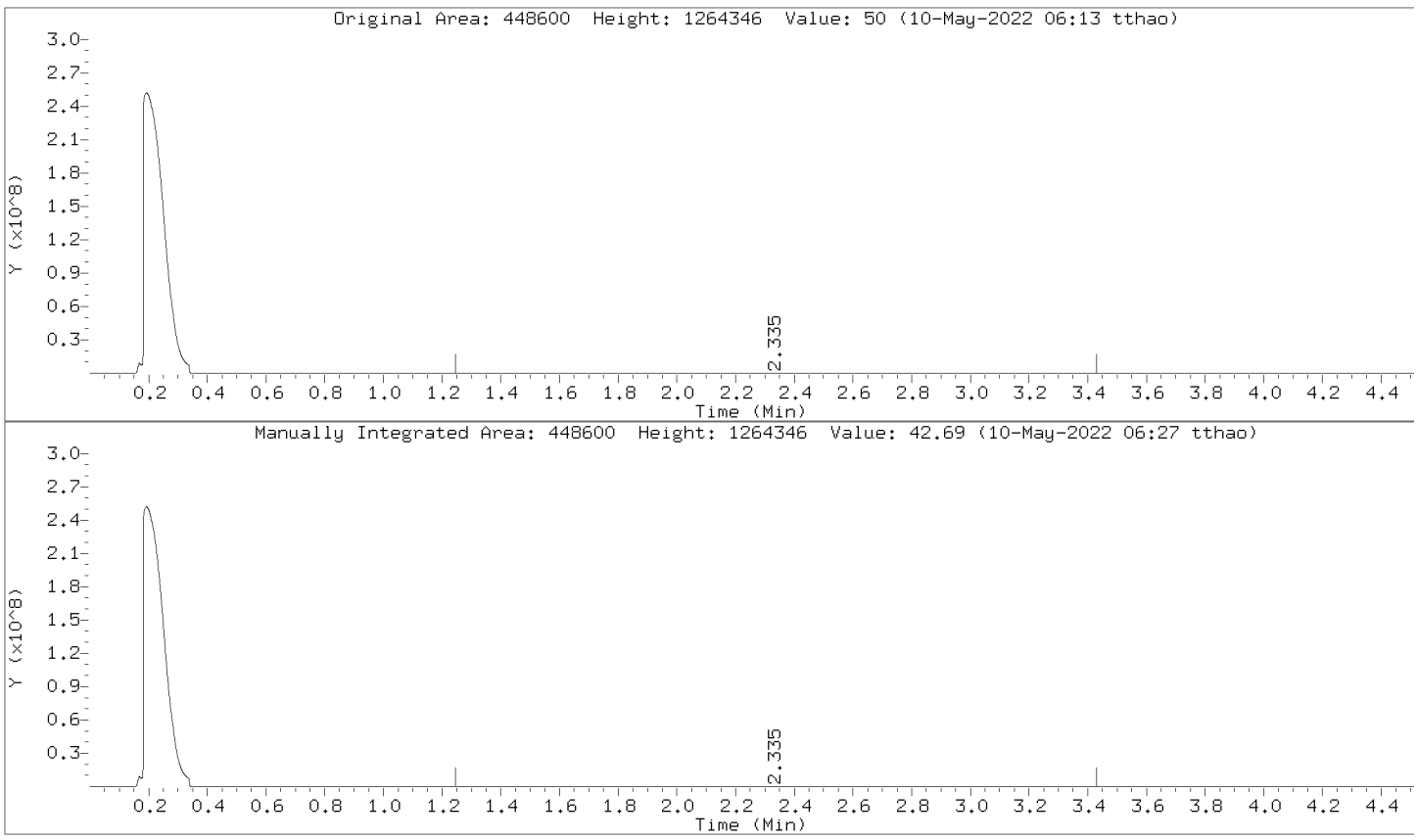
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



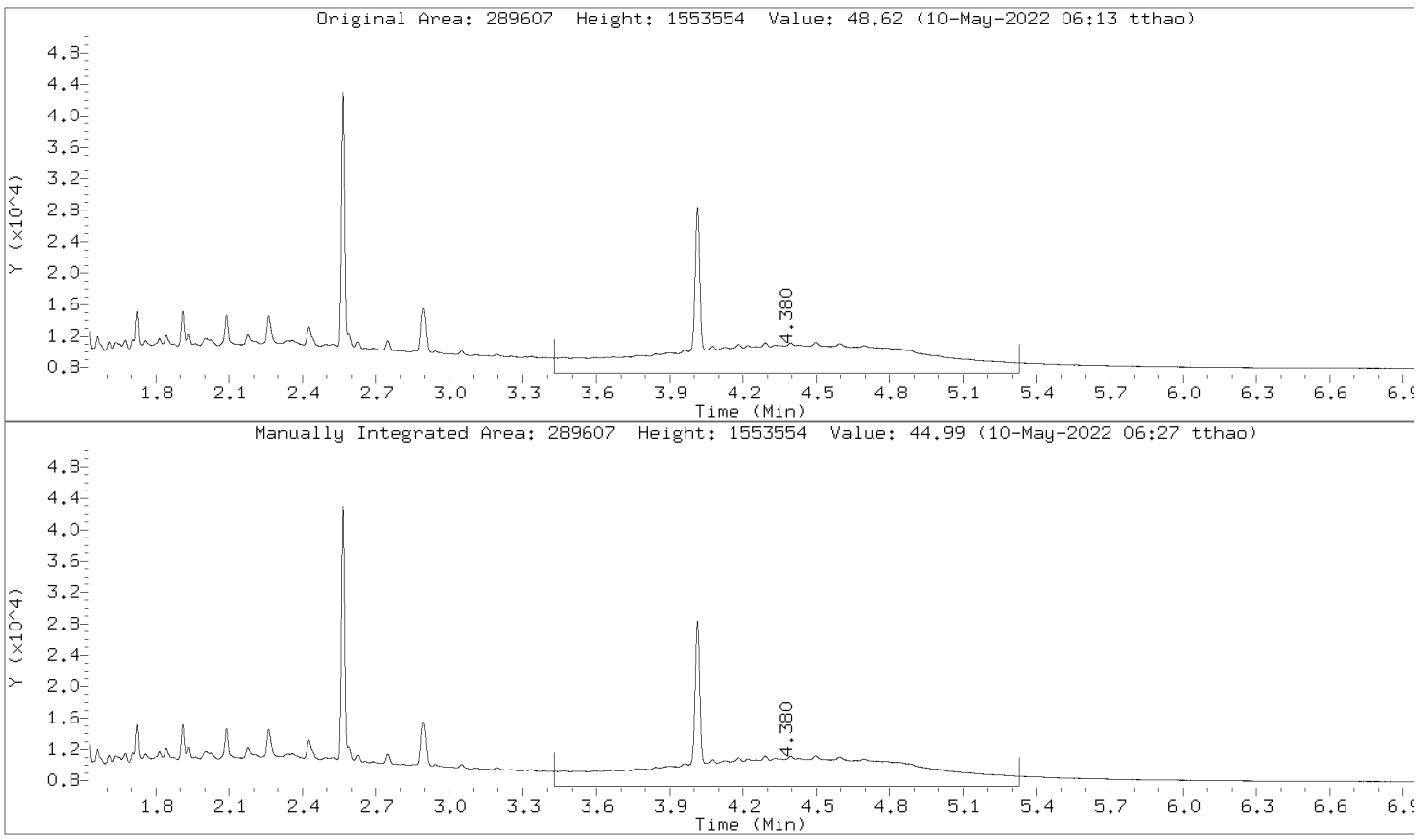
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



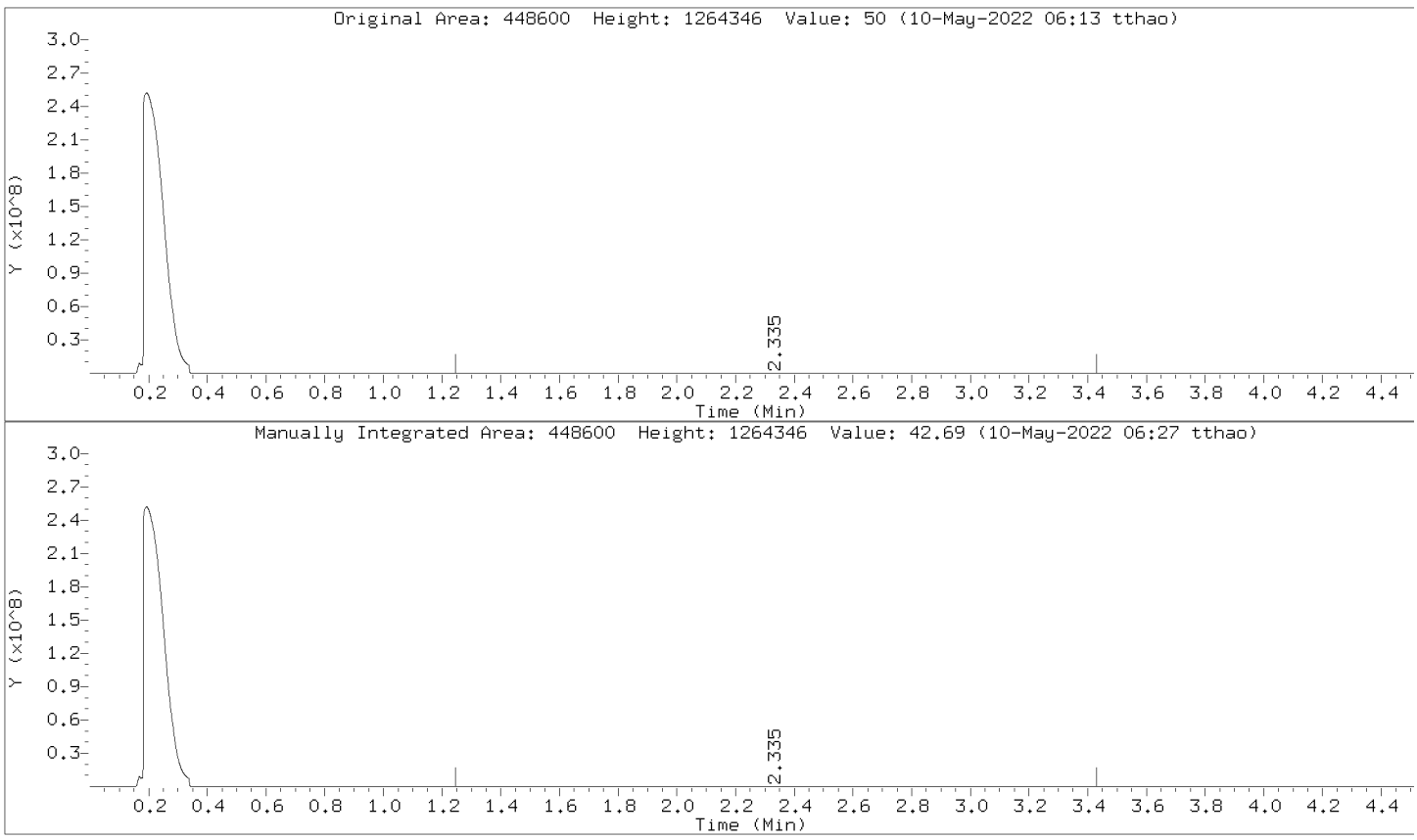
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



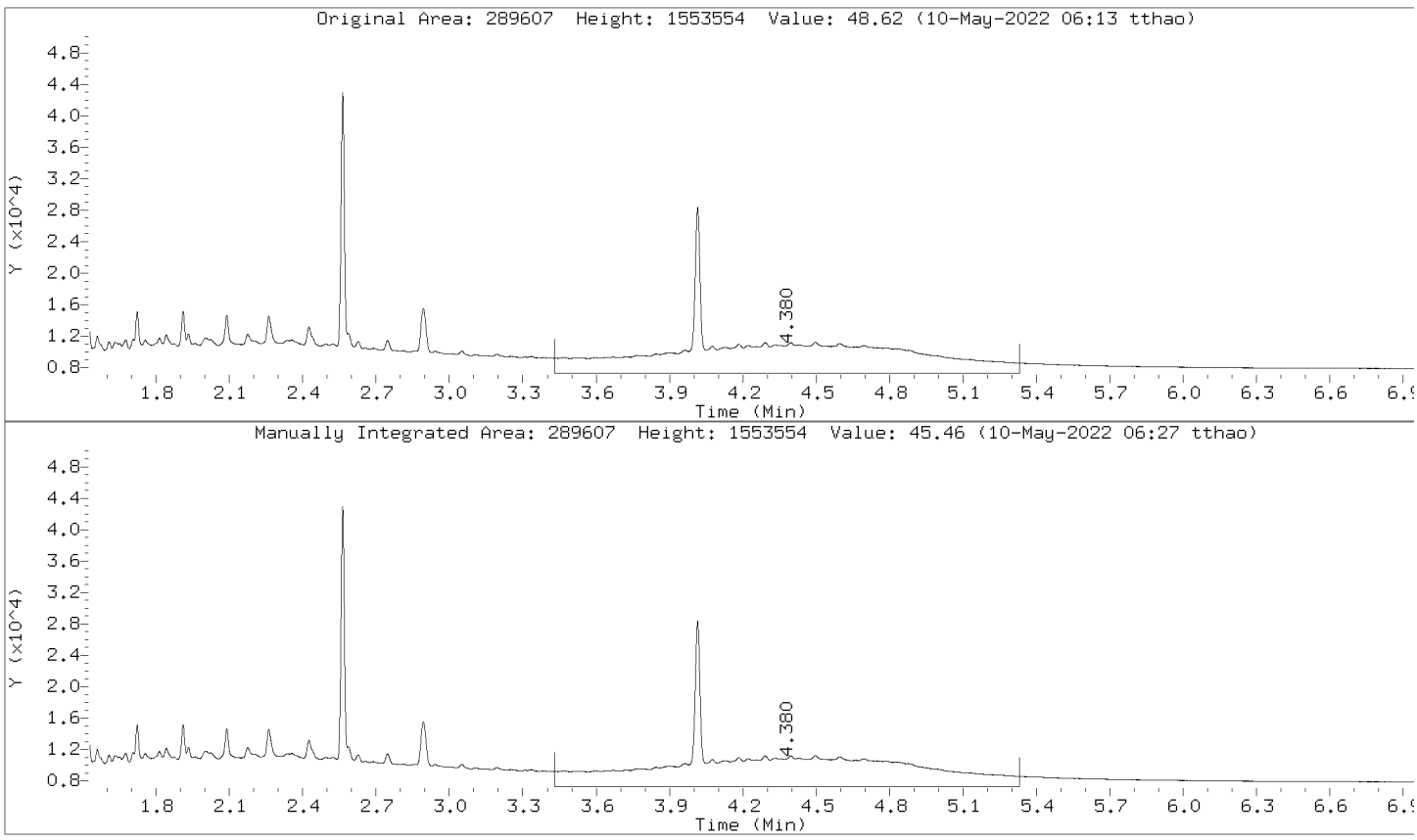
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



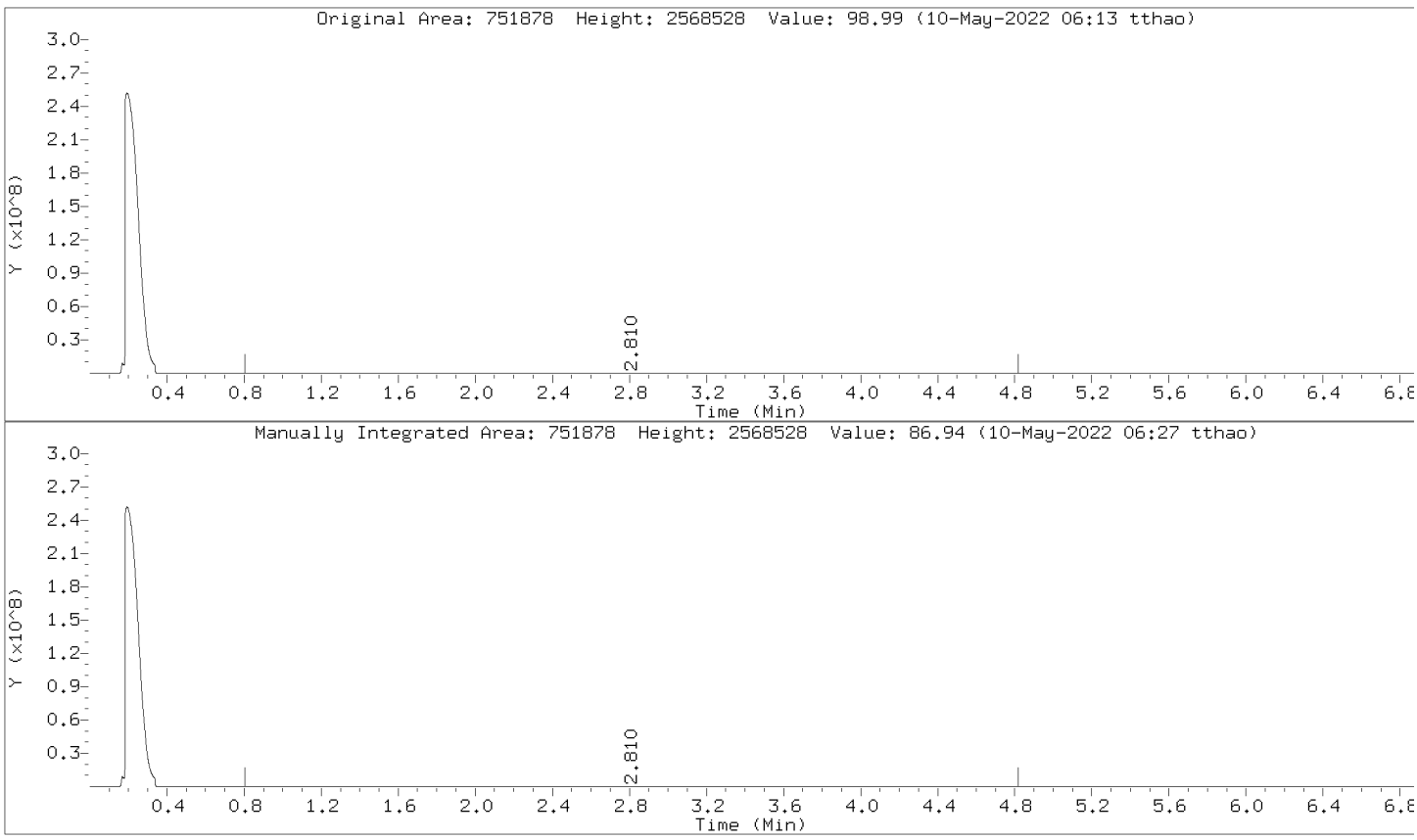
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



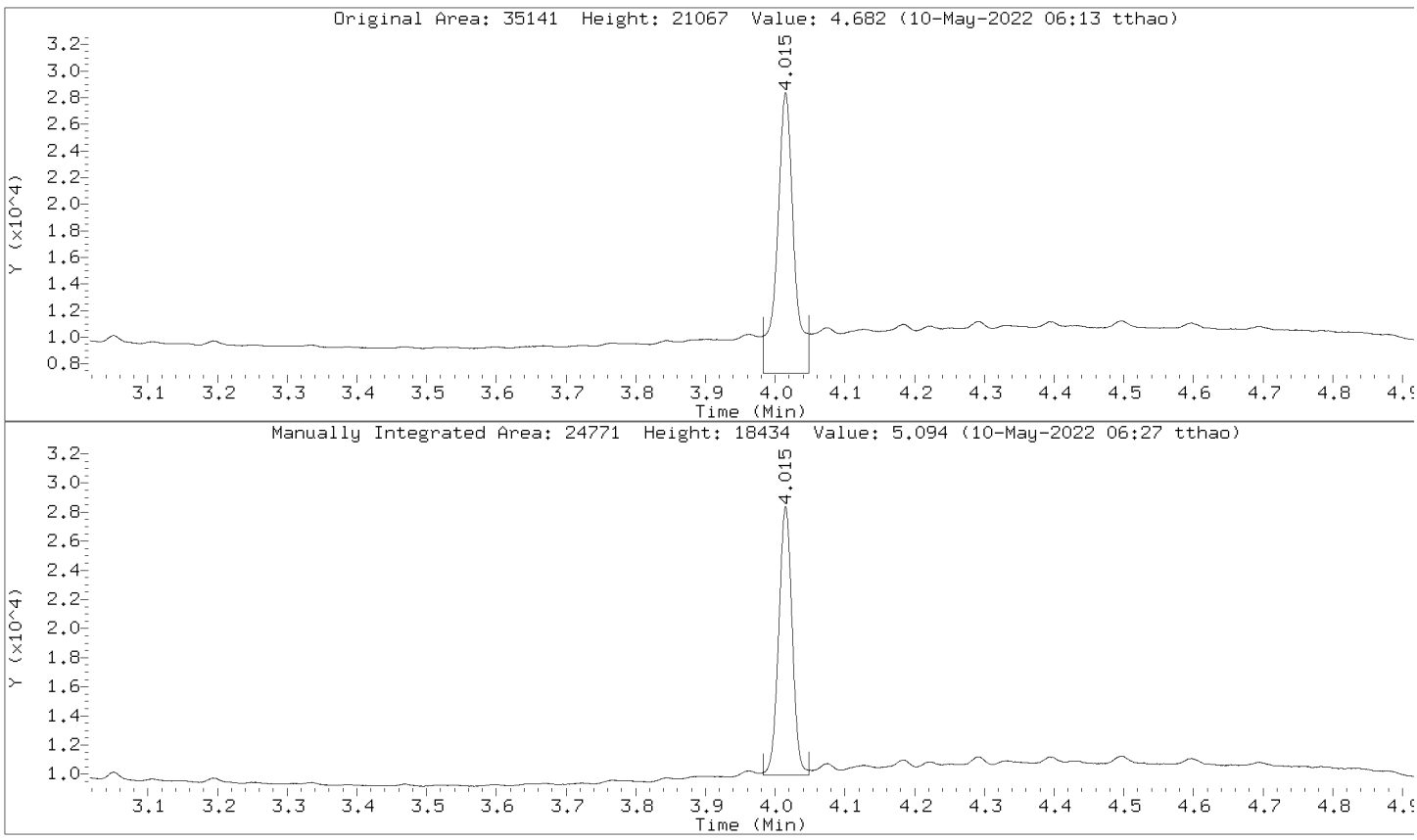
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: C10-C36 Review Code: RNG
CAS Number:



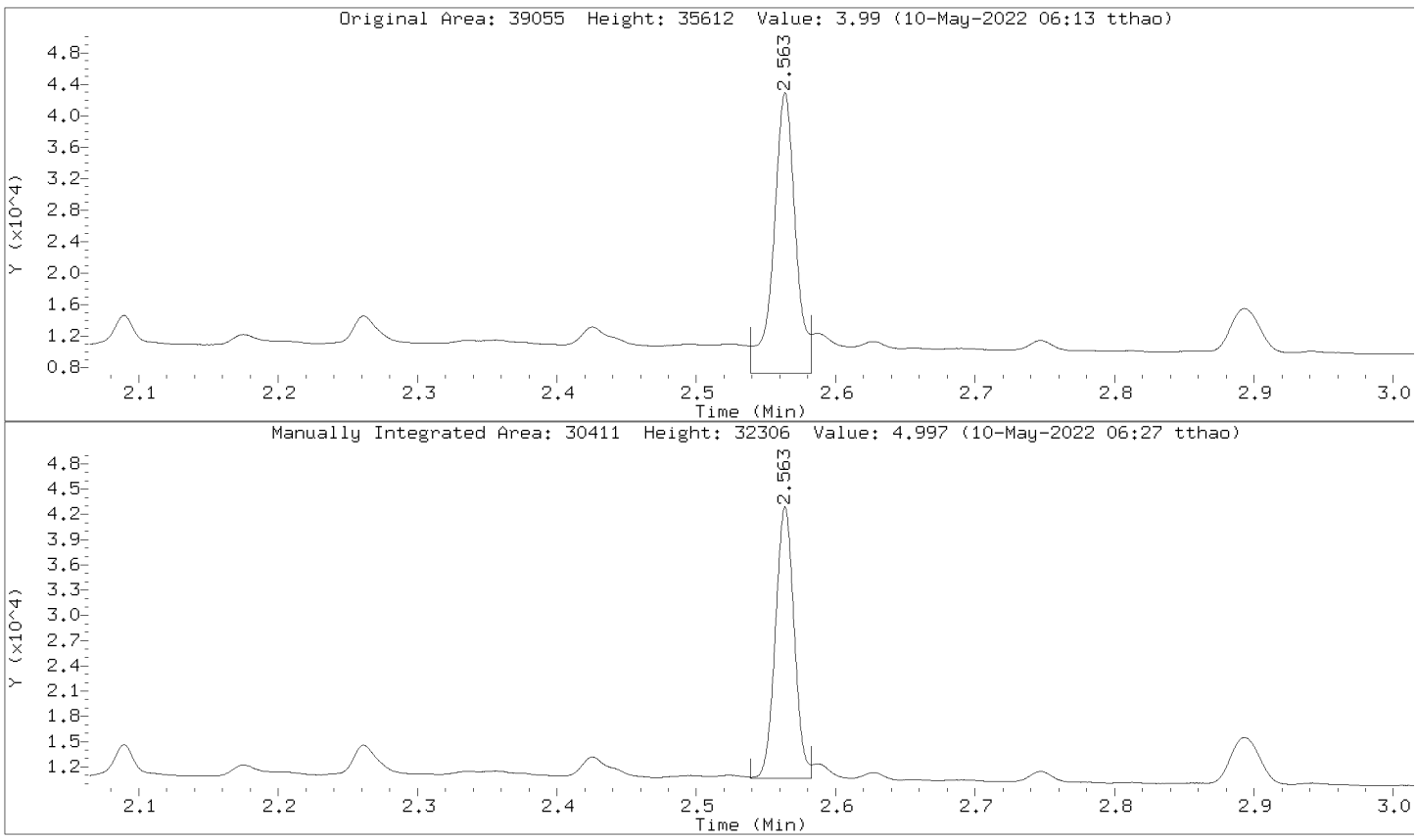
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	234087	234087
DRO by AK 102	517634	517634
TPH-DRO (C10-C28)	589190	589190
Motor Oil Range (C24-C36)	251409	251409
Diesel Fuel Range	448600	448600
Motor Oil Range	289607	289607
Diesel Fuel Range SG	448600	448600
Motor Oil Range SG	289607	289607
C10-C36	751878	751878
n-Triacontane (S)	35141	24771
o-Terphenyl (S)	39055	30411

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000028.D
Lab Smp Id: DMO-CAL5,364983:2 Client Smp ID: DMO-CAL5,364983:2
Inj Date : 09-MAY-2022 16:06
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal5,364983:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		786984	100.000	95.2	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.564	2.565	-0.001	60435	10.0000	9.93	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.015	4.017	-0.002	48857	10.0000	10.0	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		404664	100.000	97.0	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		897834	100.000	95.7	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		428533	100.000	96.8	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		1191648	200.000	192	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		674532	100.000	94.8	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		674532	100.000	94.8	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		494946	100.000	97.8	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		494946	100.000	98.2	(M)	RNG

QC Flag Legend

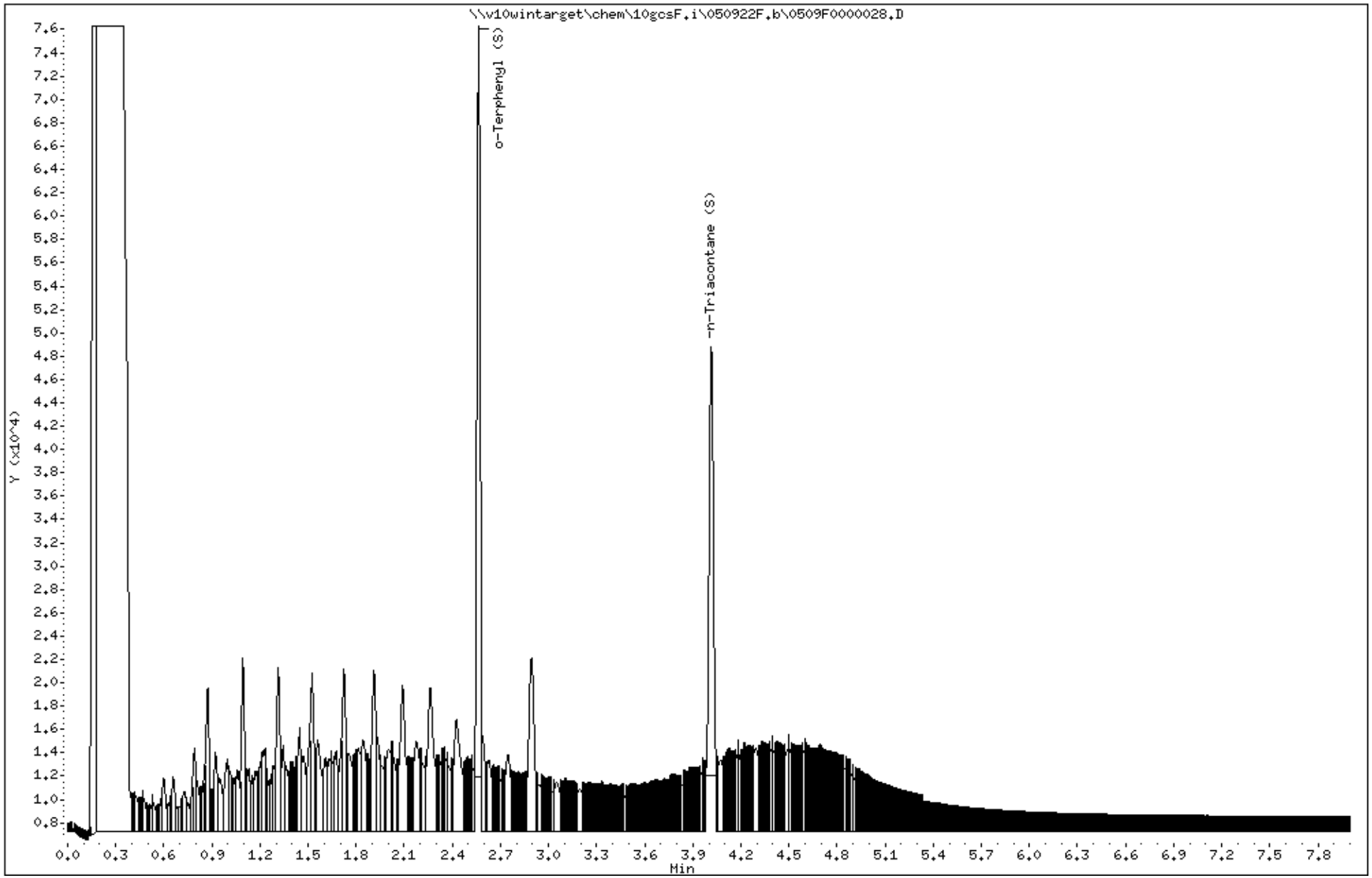
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000028.D
Date : 09-MAY-2022 16:06
Client ID: DMO-CAL5,364983:2
Sample Info: DMO-CAL5,364983:2

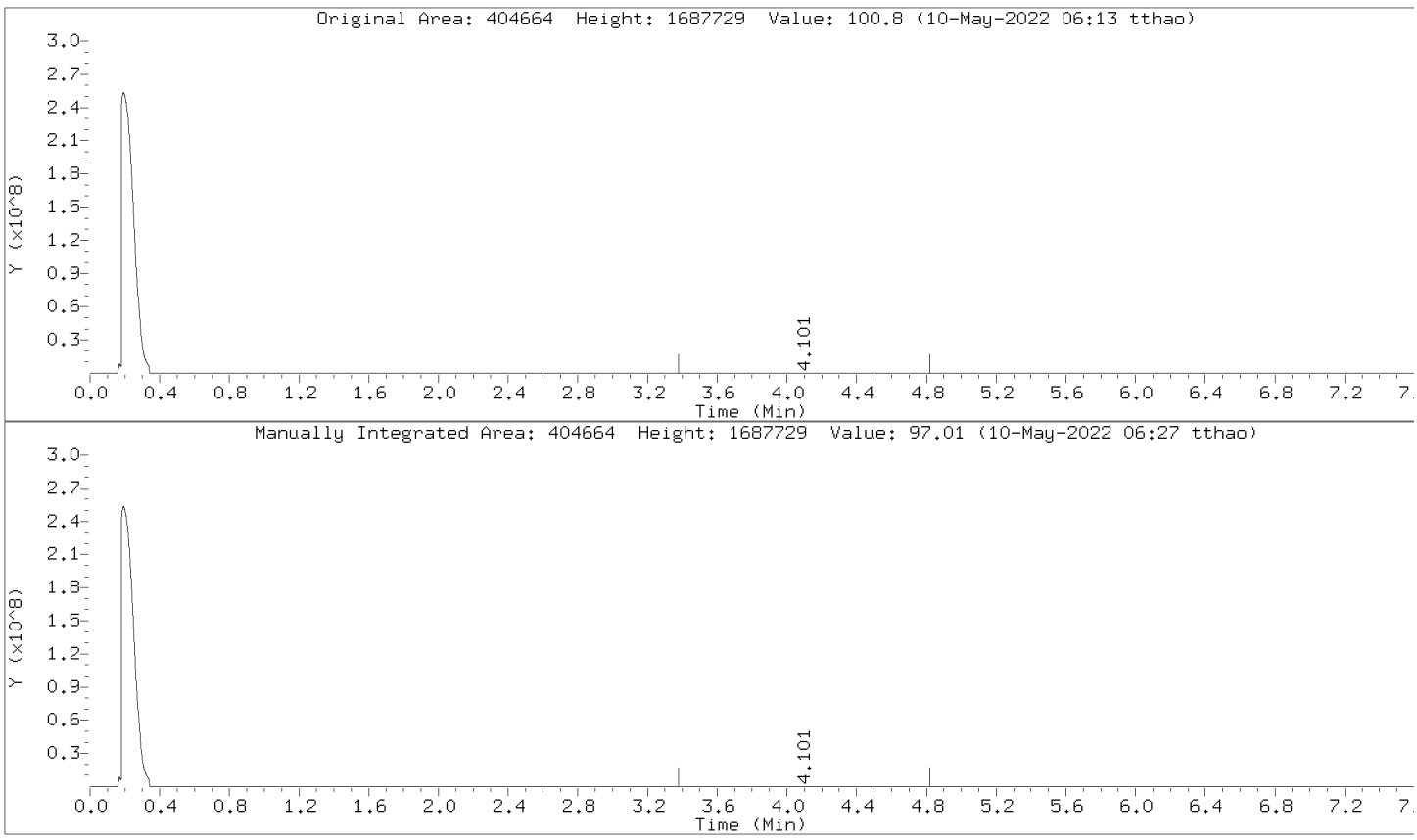
Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



151 of 1091
87 of 710
10606560

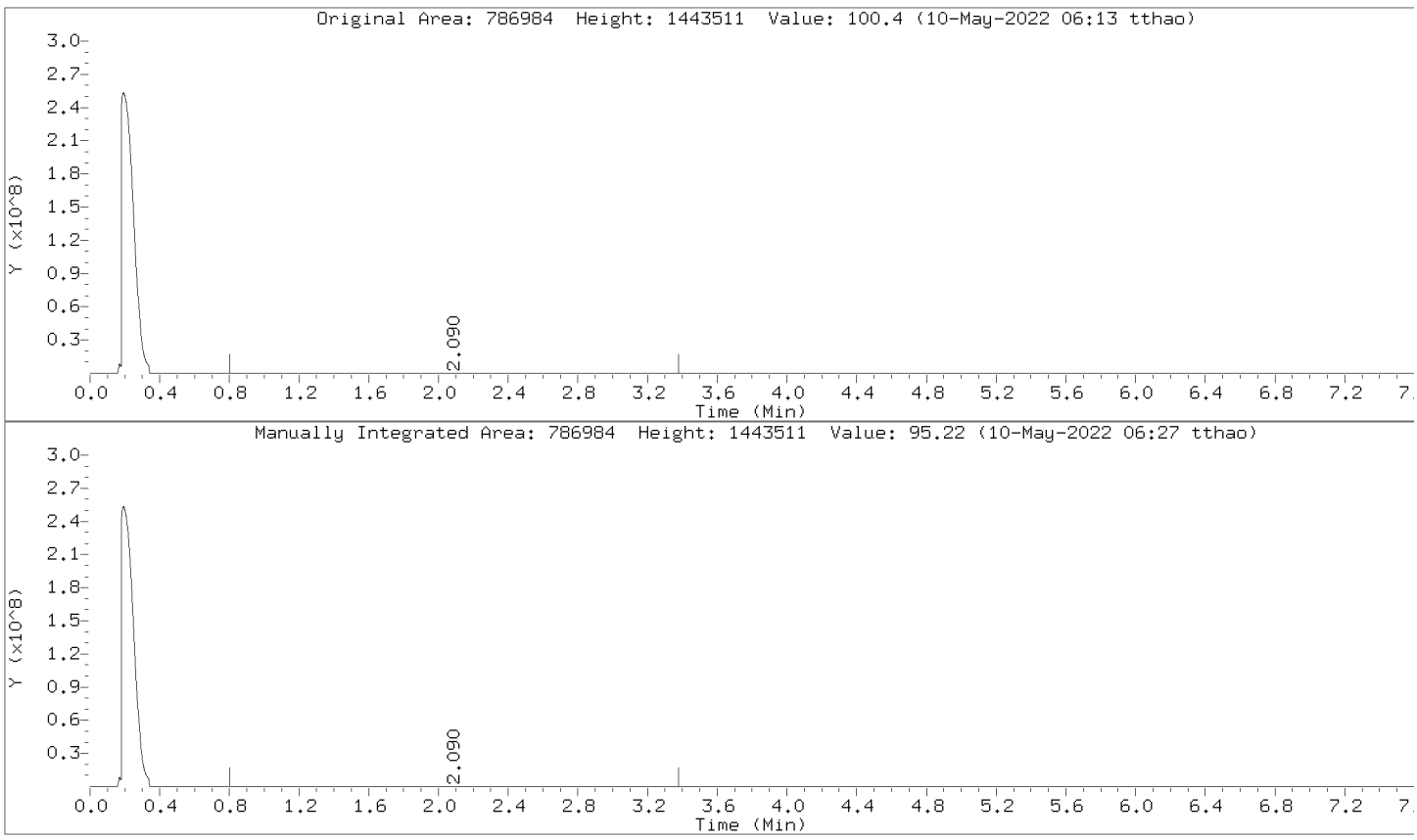
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



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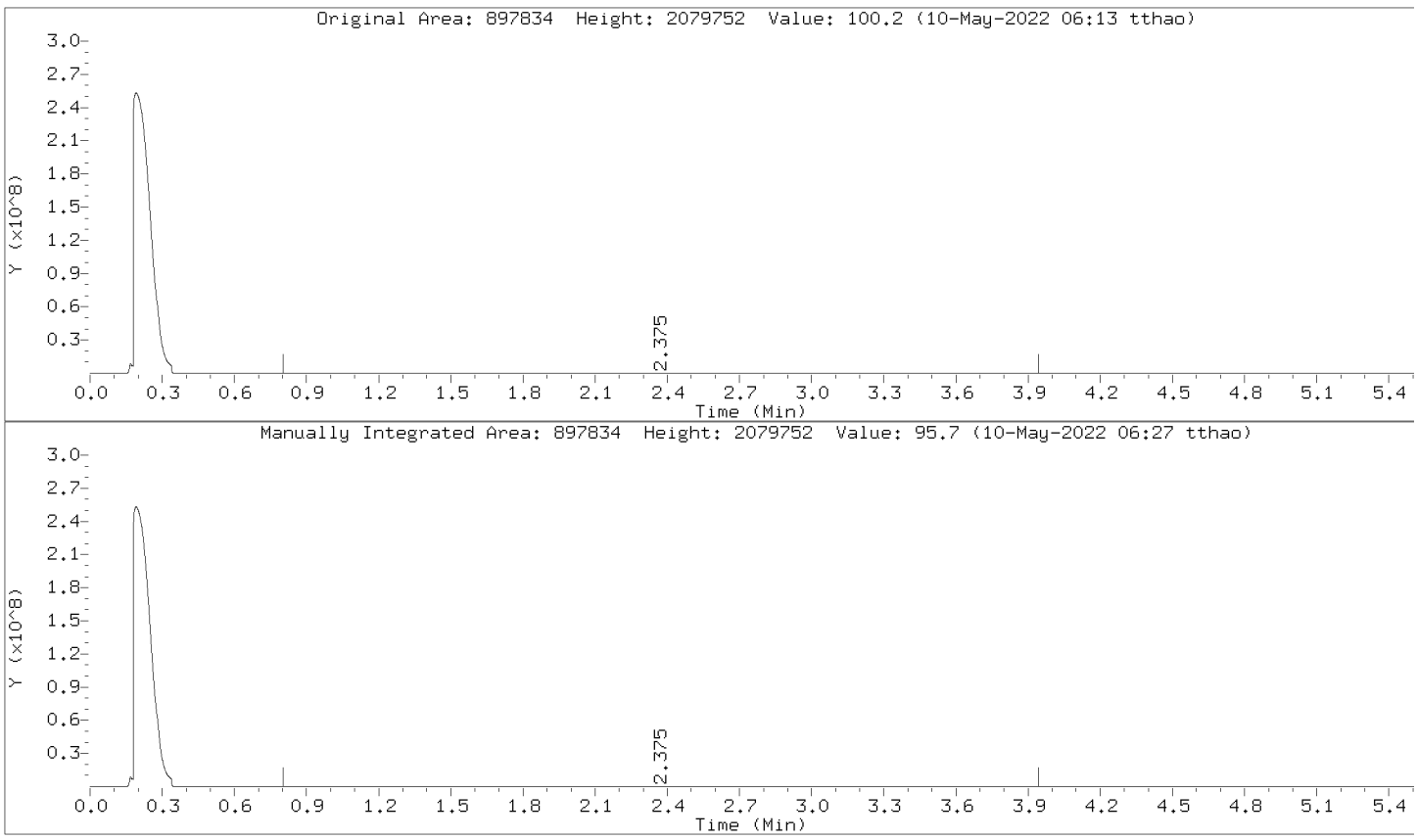
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



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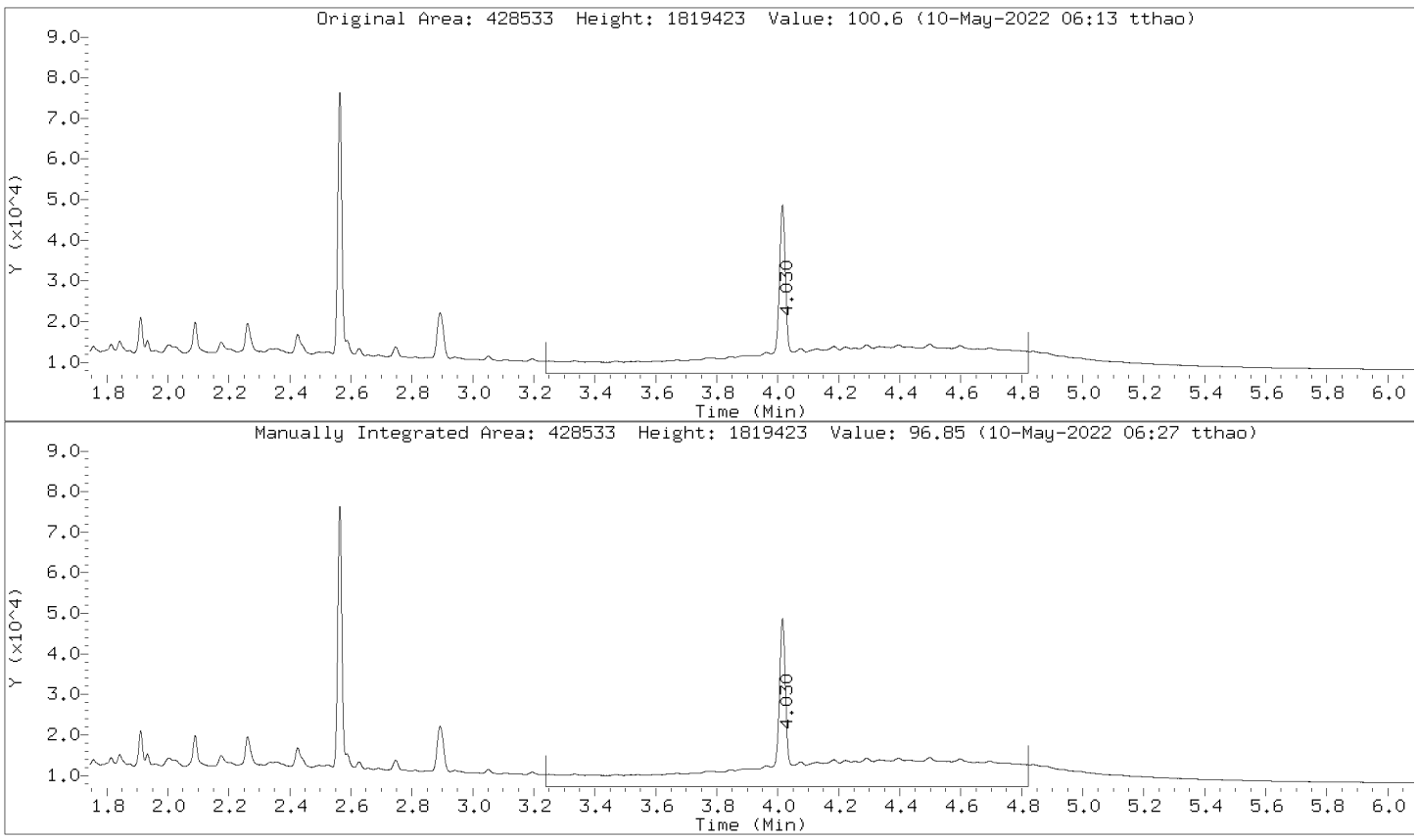
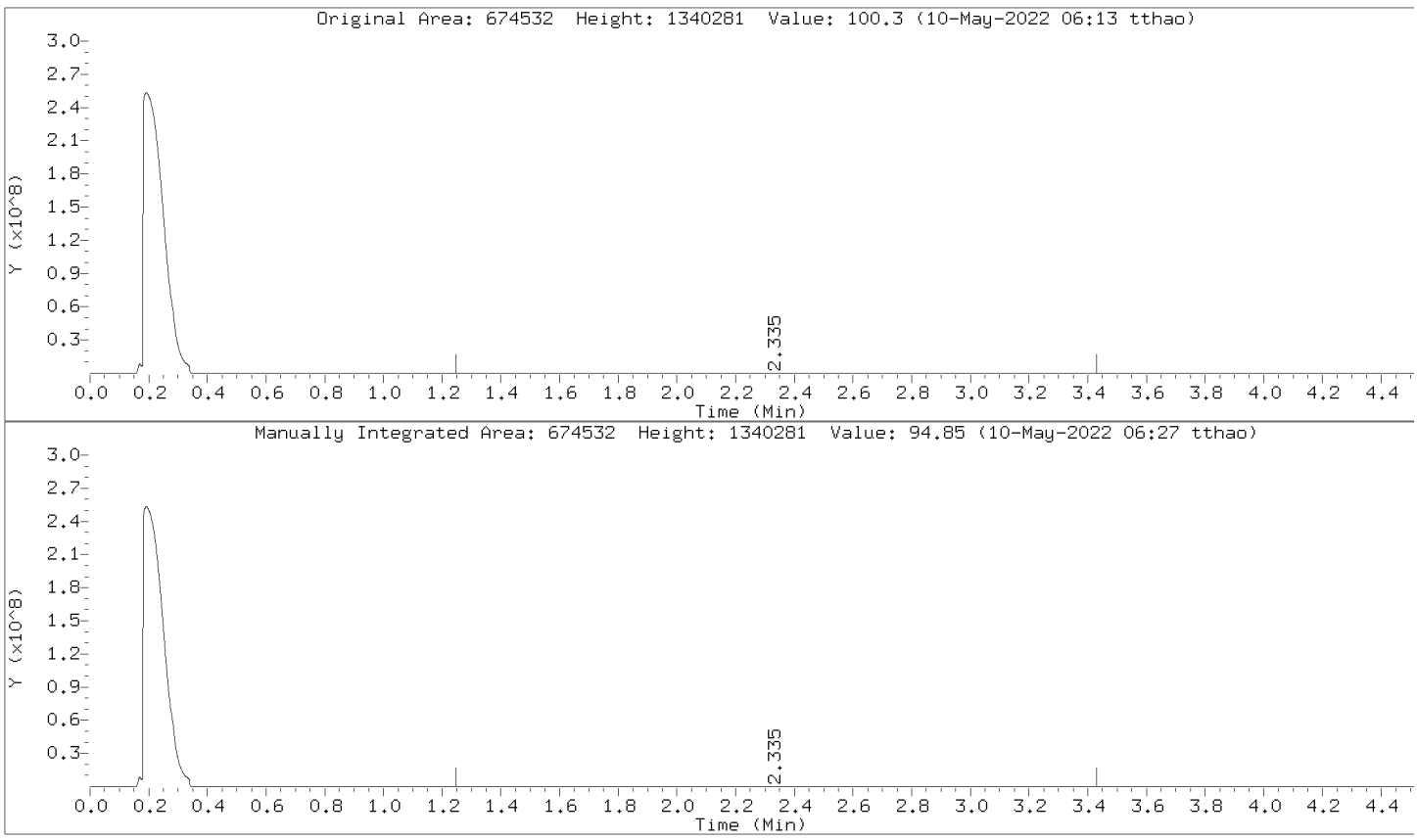
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



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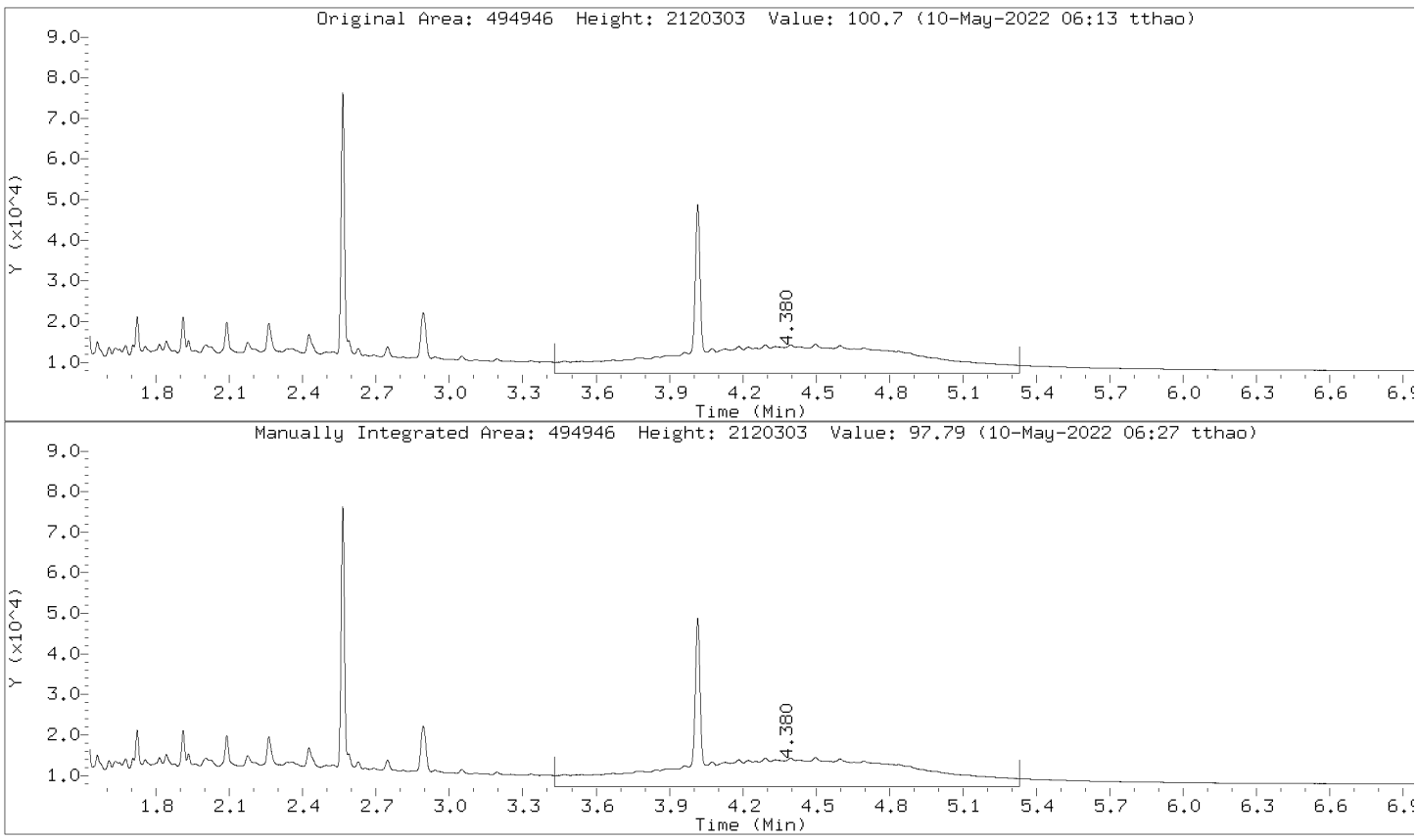
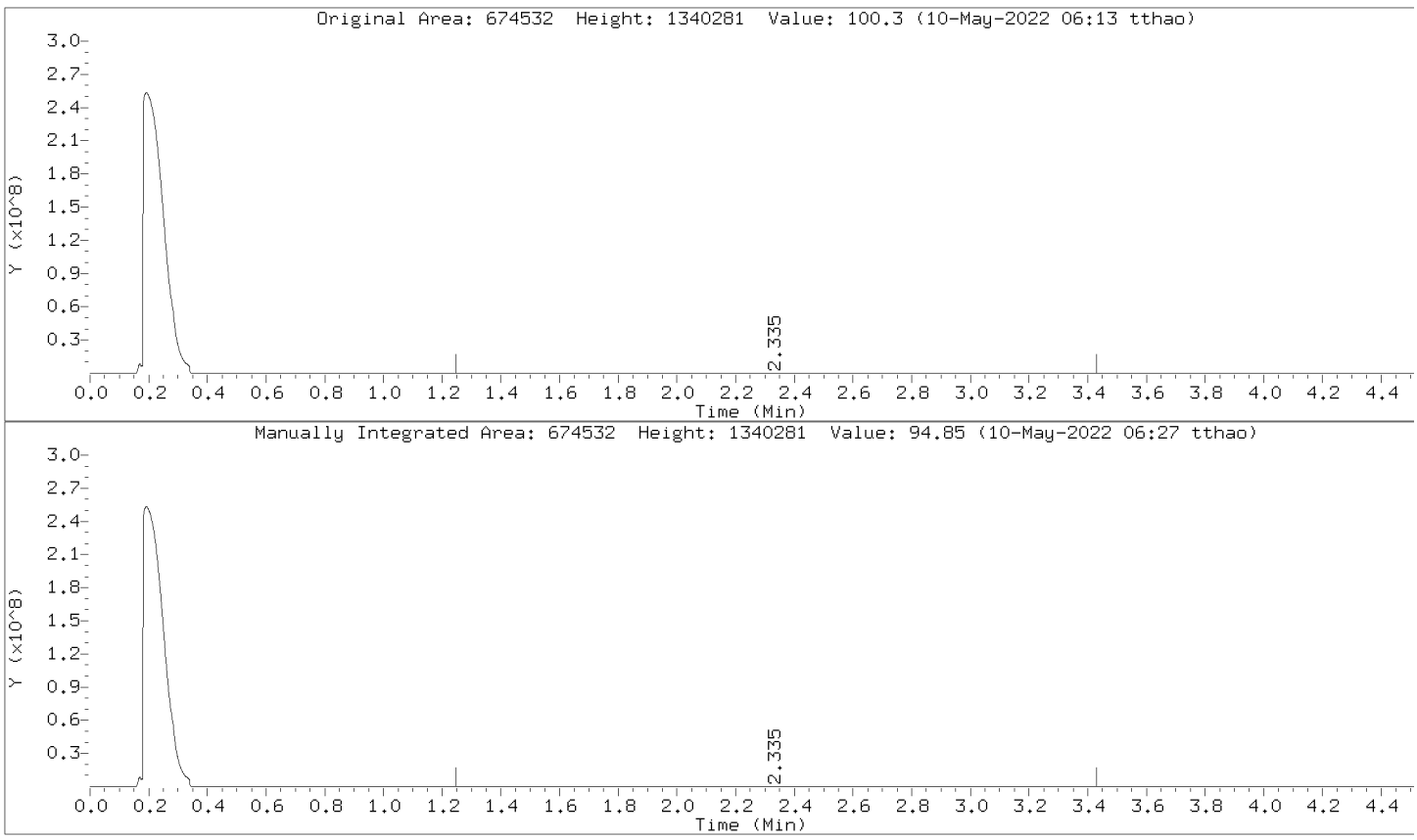
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



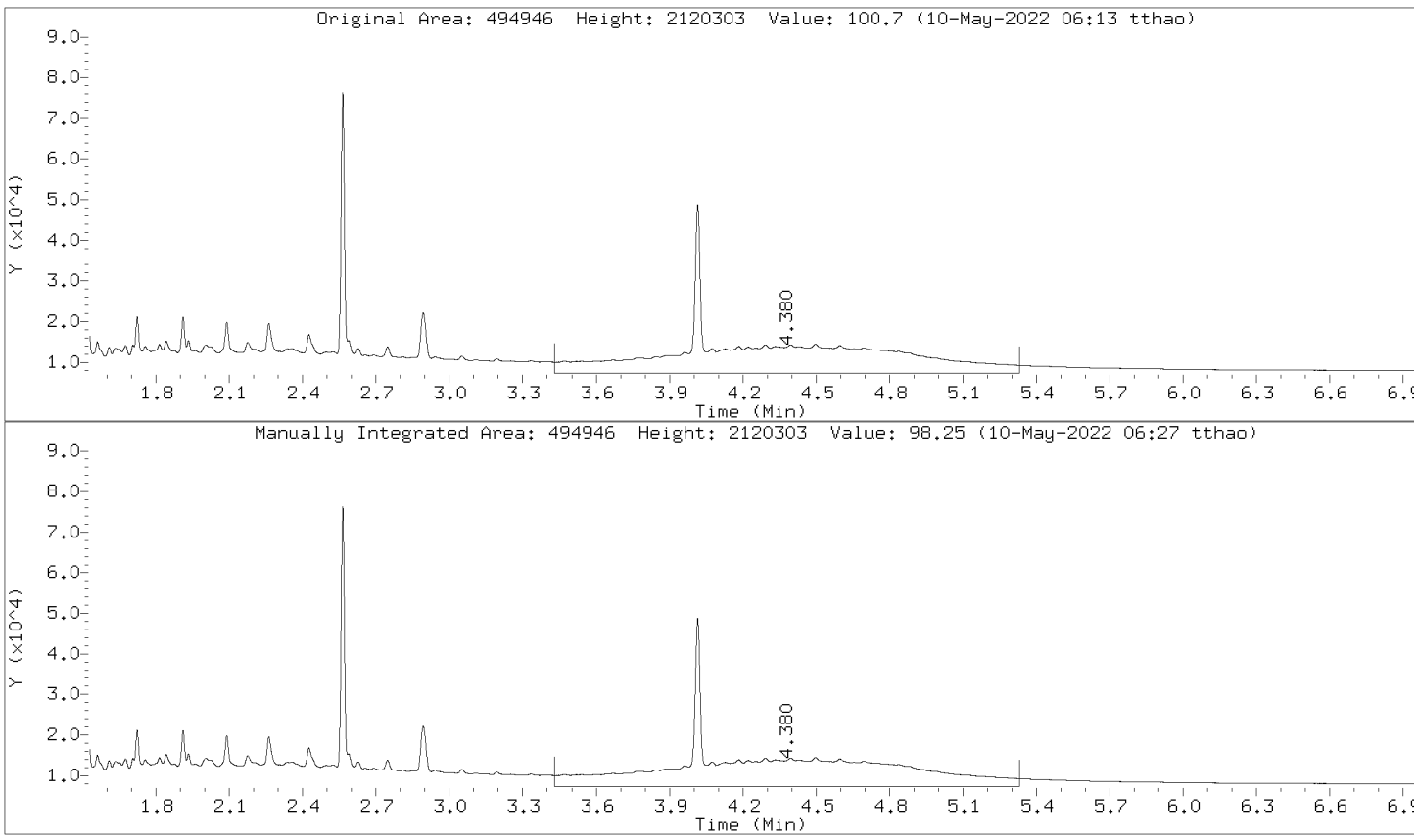
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



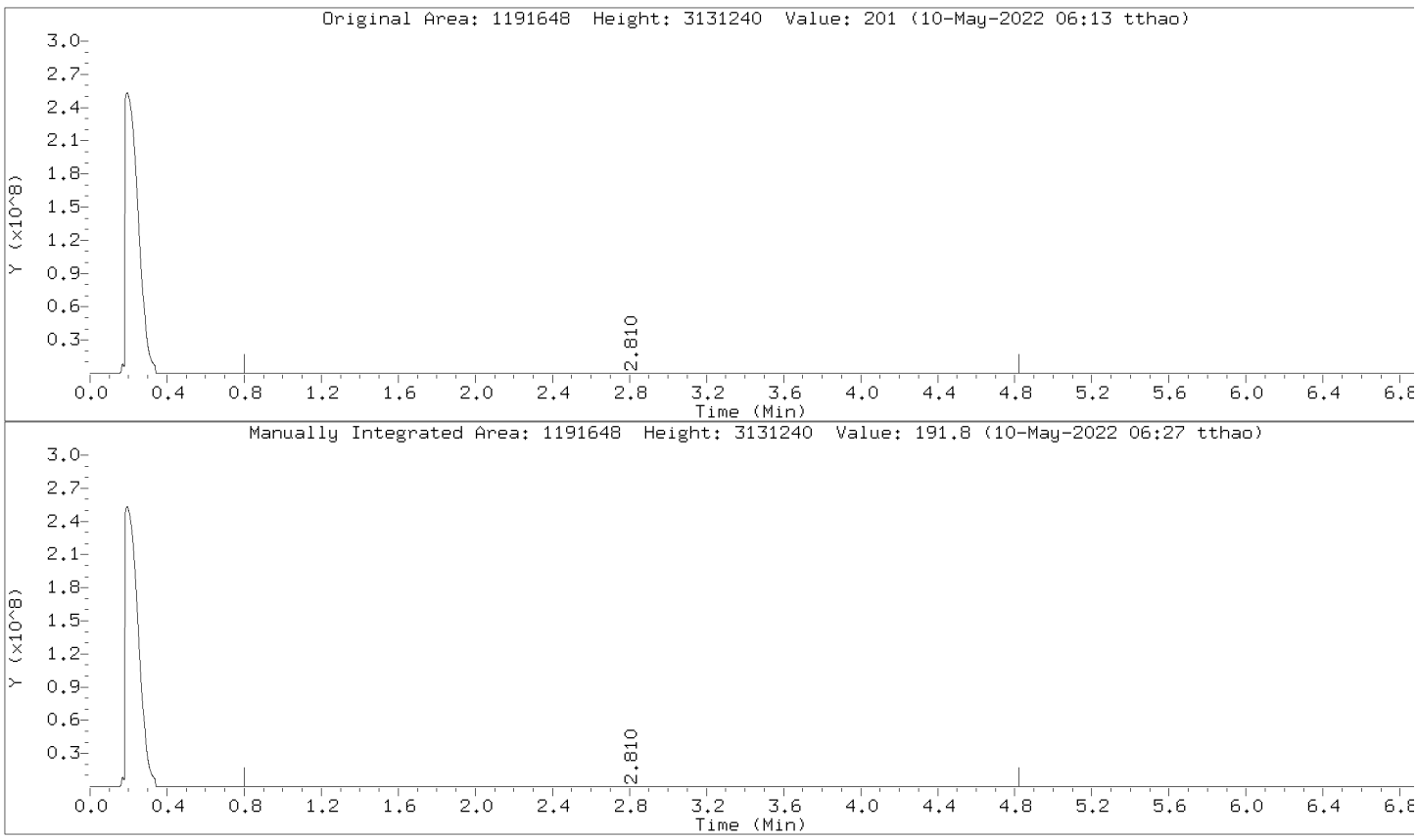
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



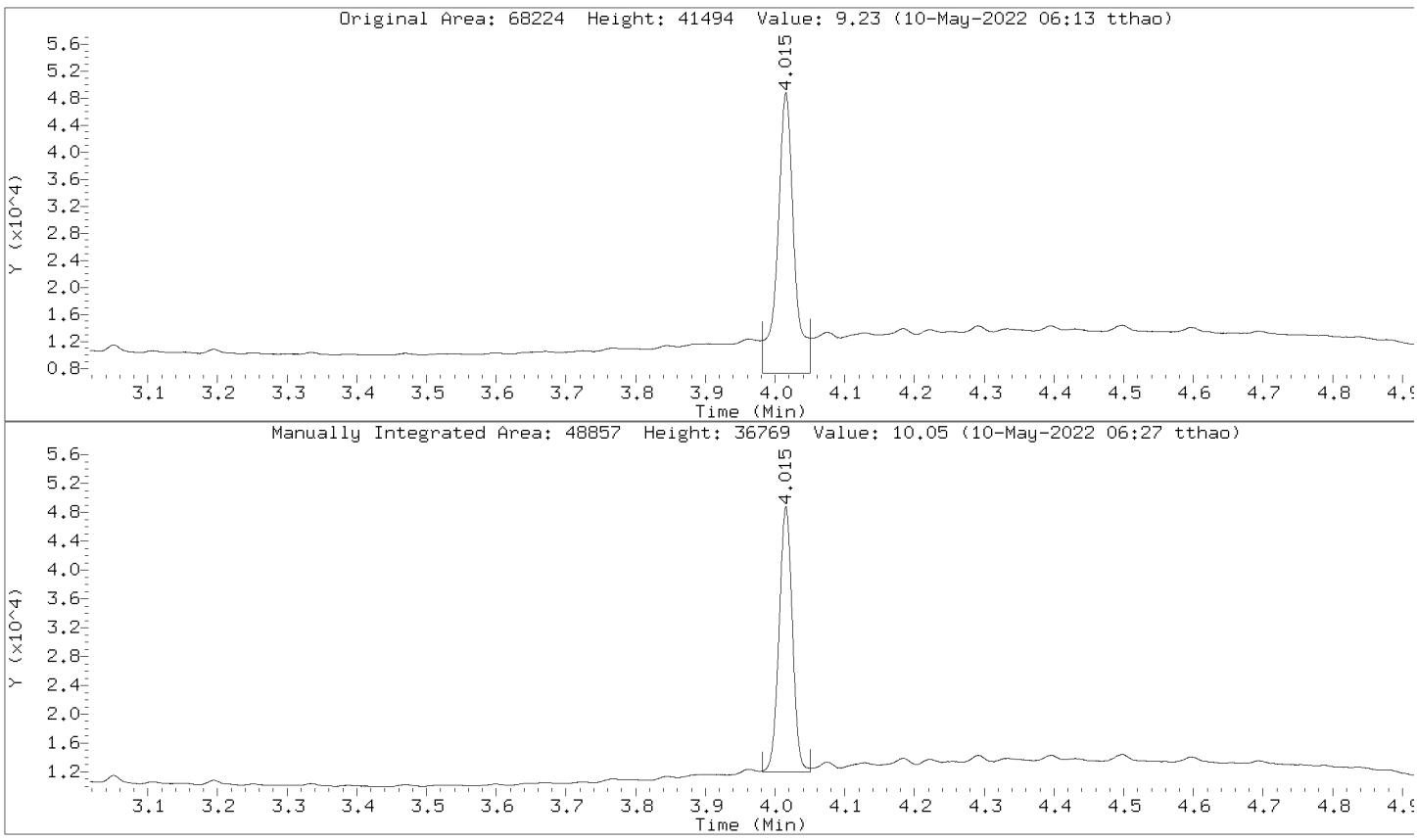
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: C10-C36 Review Code: RNG
CAS Number:



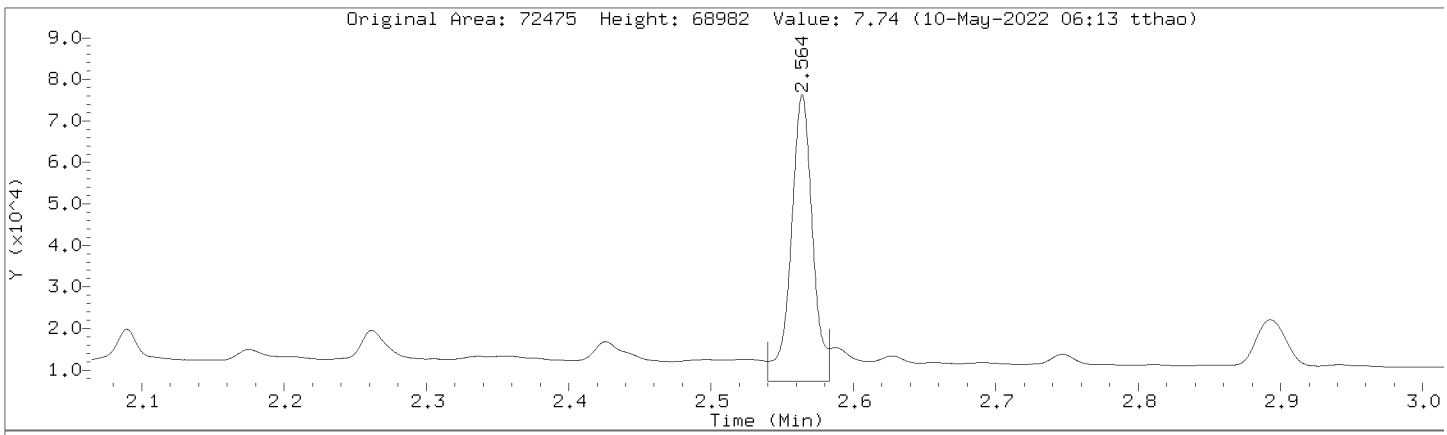
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

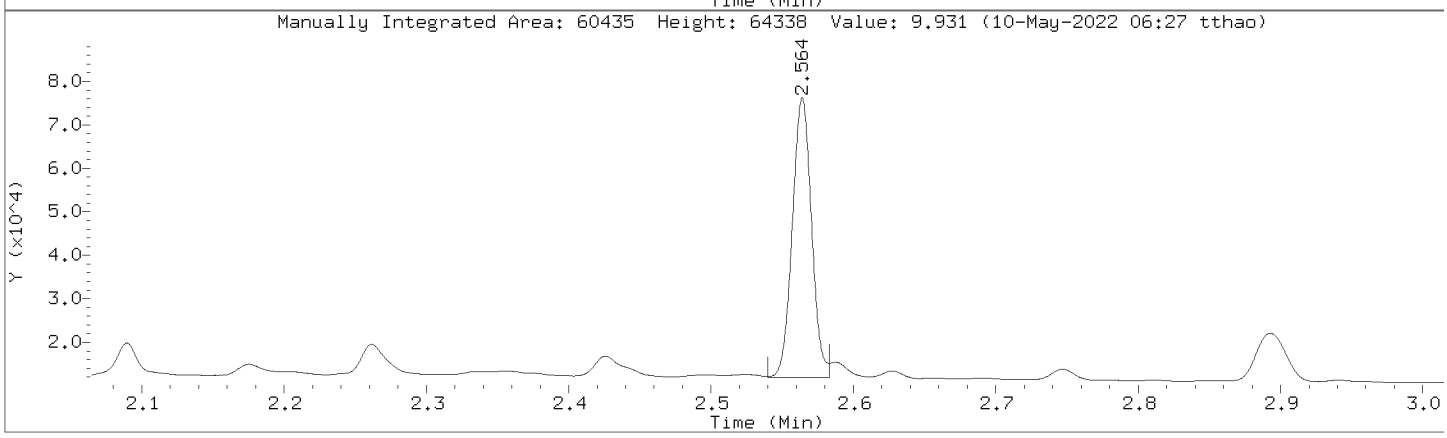
Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:





Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	404664	404664
DRO by AK 102	786984	786984
TPH-DRO (C10-C28)	897834	897834
Motor Oil Range (C24-C36)	428533	428533
Diesel Fuel Range	674532	674532
Motor Oil Range	494946	494946
Diesel Fuel Range SG	674532	674532
Motor Oil Range SG	494946	494946
C10-C36	1191648	1191648
n-Triacontane (S)	68224	48857
o-Terphenyl (S)	72475	60435

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000029.D
Lab Smp Id: DMO-CAL6,364984:2 Client Smp ID: DMO-CAL6,364984:2
Inj Date : 09-MAY-2022 16:18
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal6,364984:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		1584516	250.000	249	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.564	2.565	-0.001	147678	25.0000	24.3	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.015	4.017	-0.002	120934	25.0000	24.9	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		894979	250.000	250	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		1810188	250.000	248	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		940953	250.000	250	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		2479496	500.000	499	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		1341847	250.000	249	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		1341847	250.000	249	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		1085964	250.000	250	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		1085964	250.000	250	(M)	RNG

QC Flag Legend

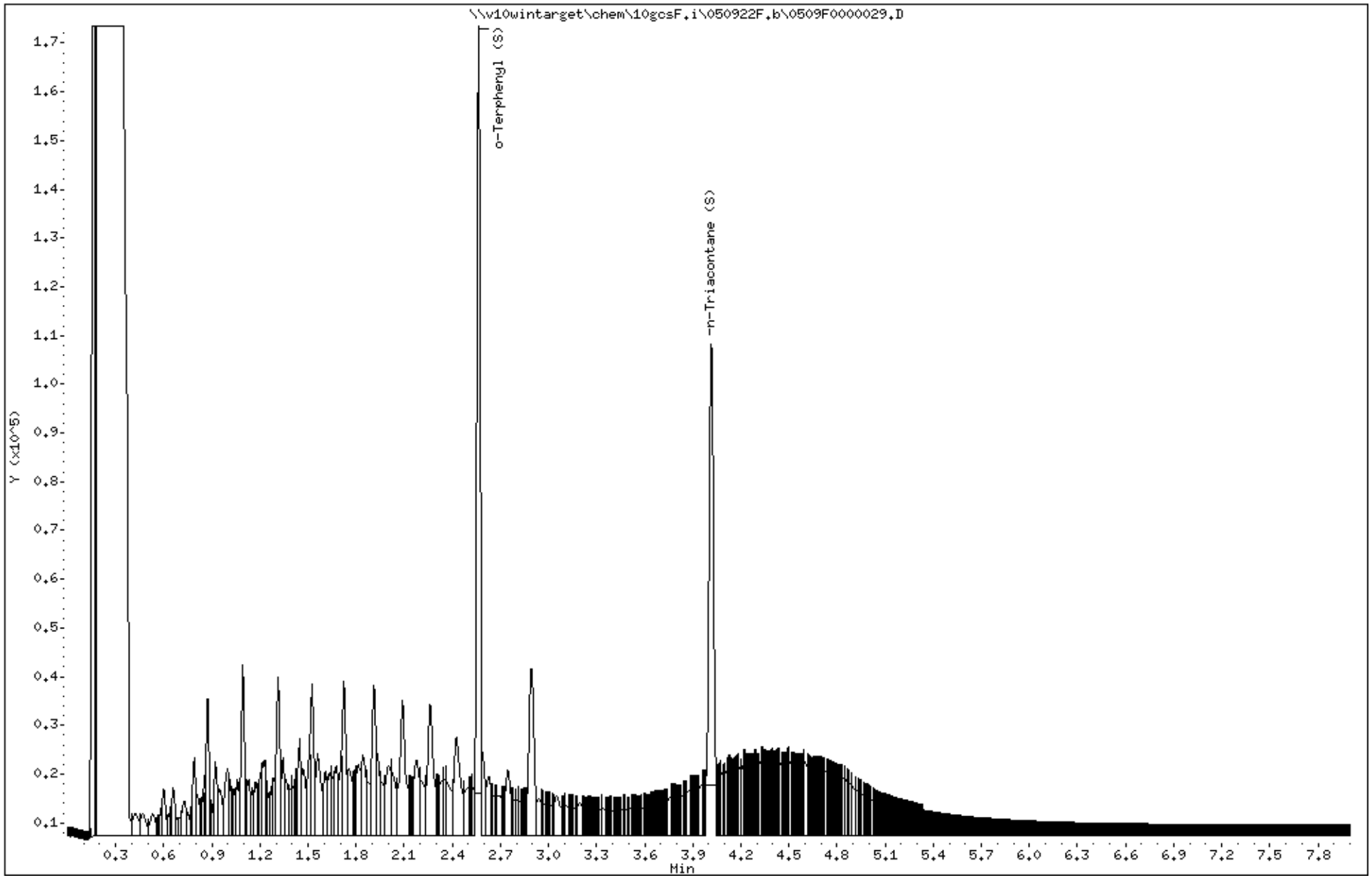
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000029.D
Date : 09-MAY-2022 16:18
Client ID: DMO-CAL6,364984:2
Sample Info: DMO-CAL6,364984:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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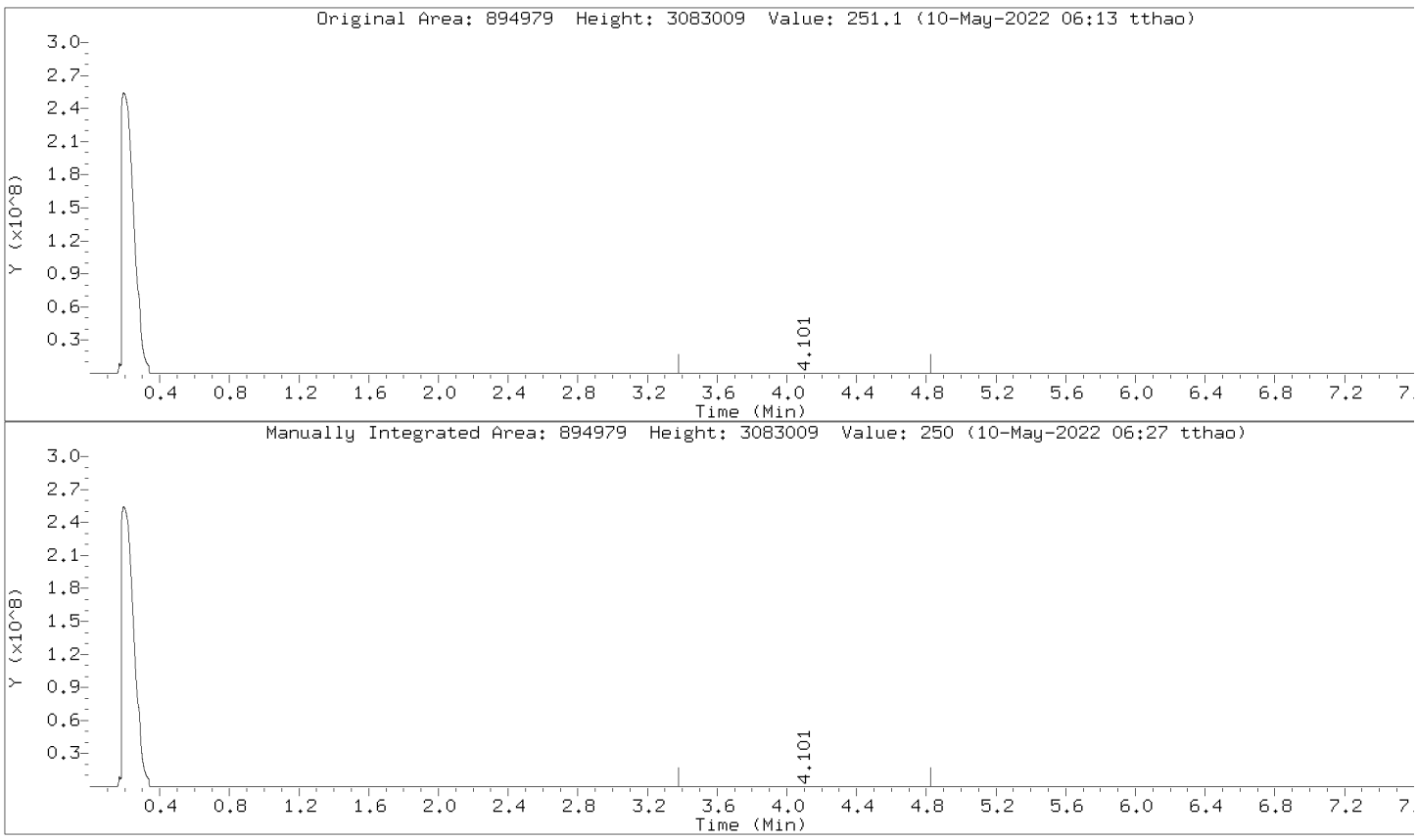
101 of 710
10606560

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



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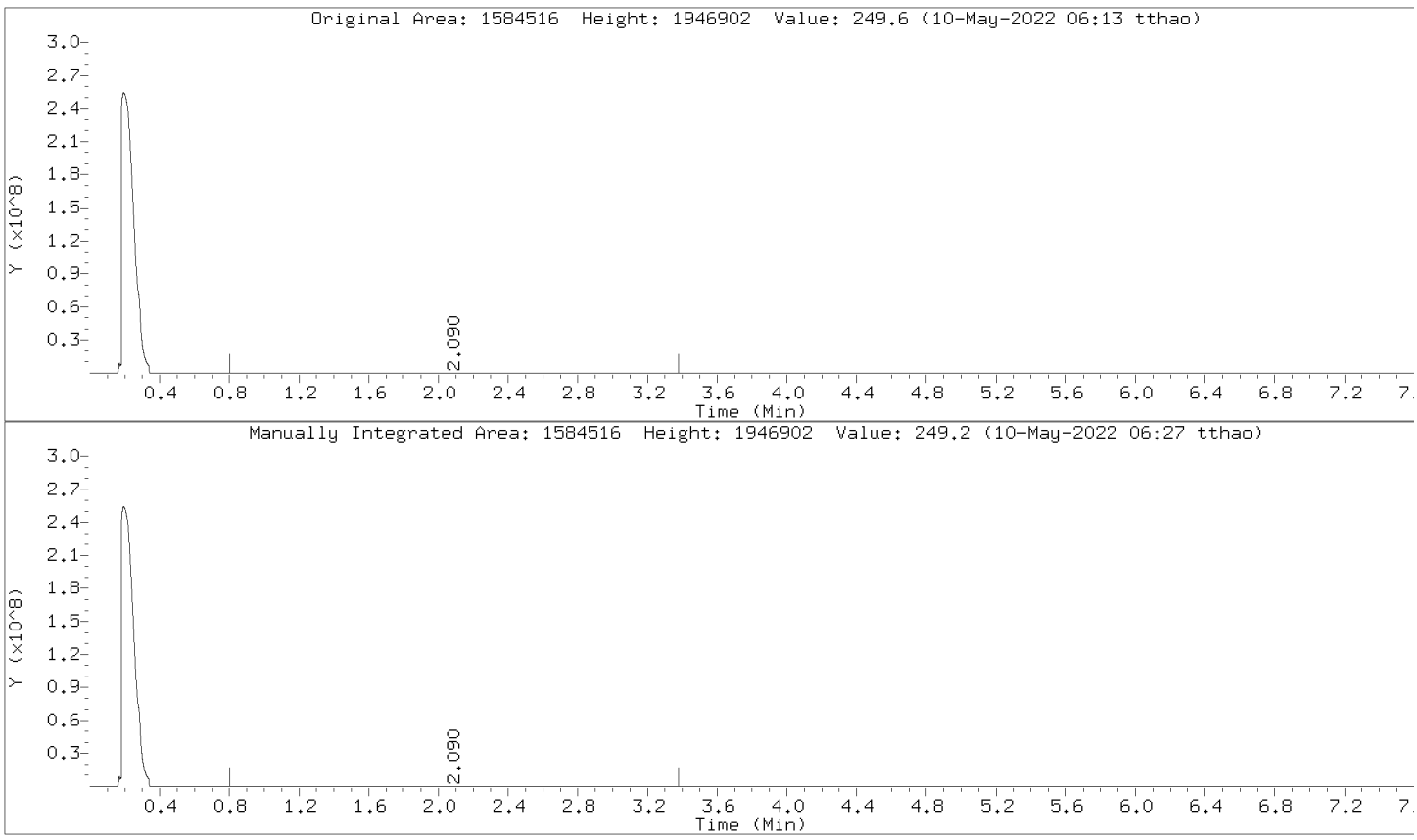
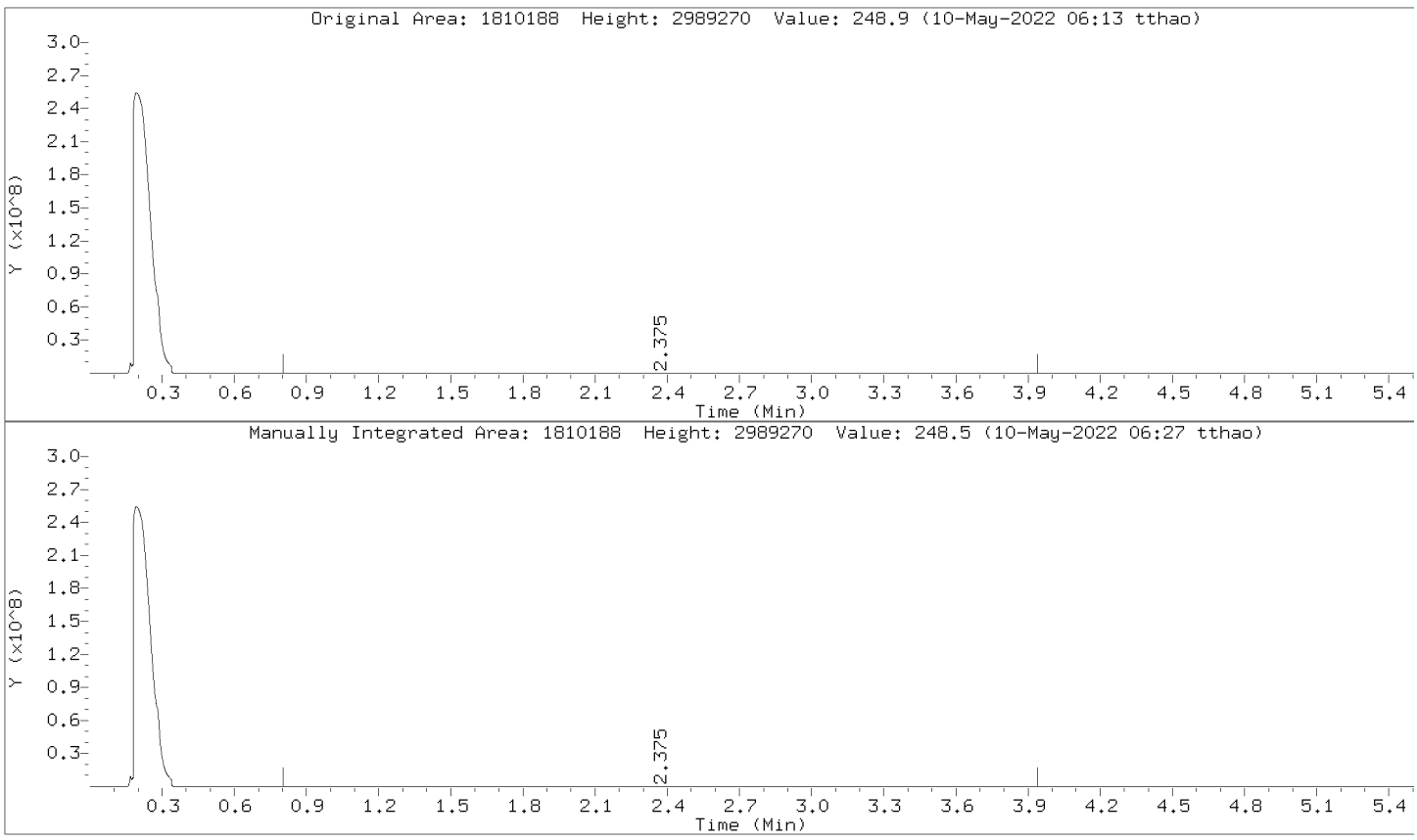
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



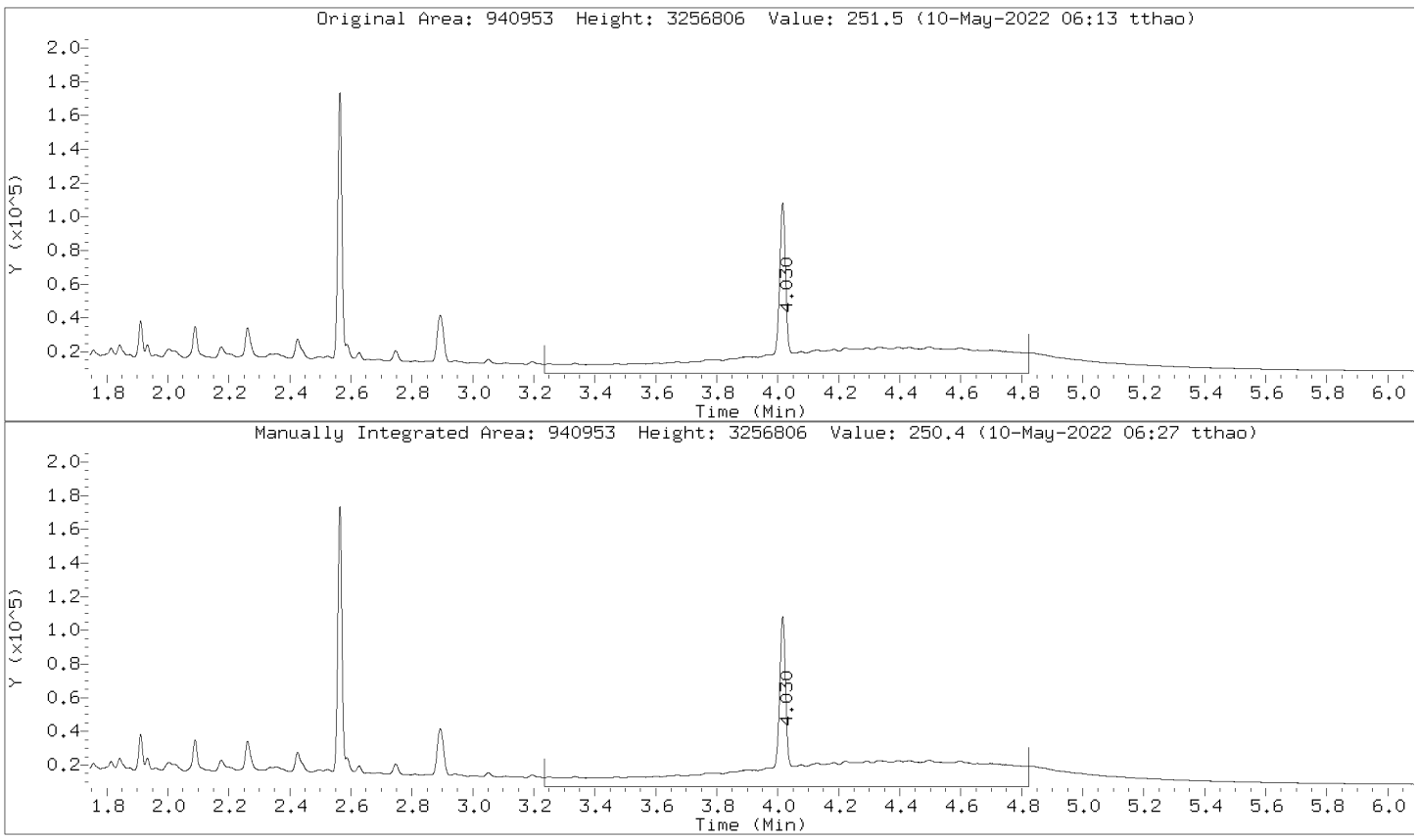
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



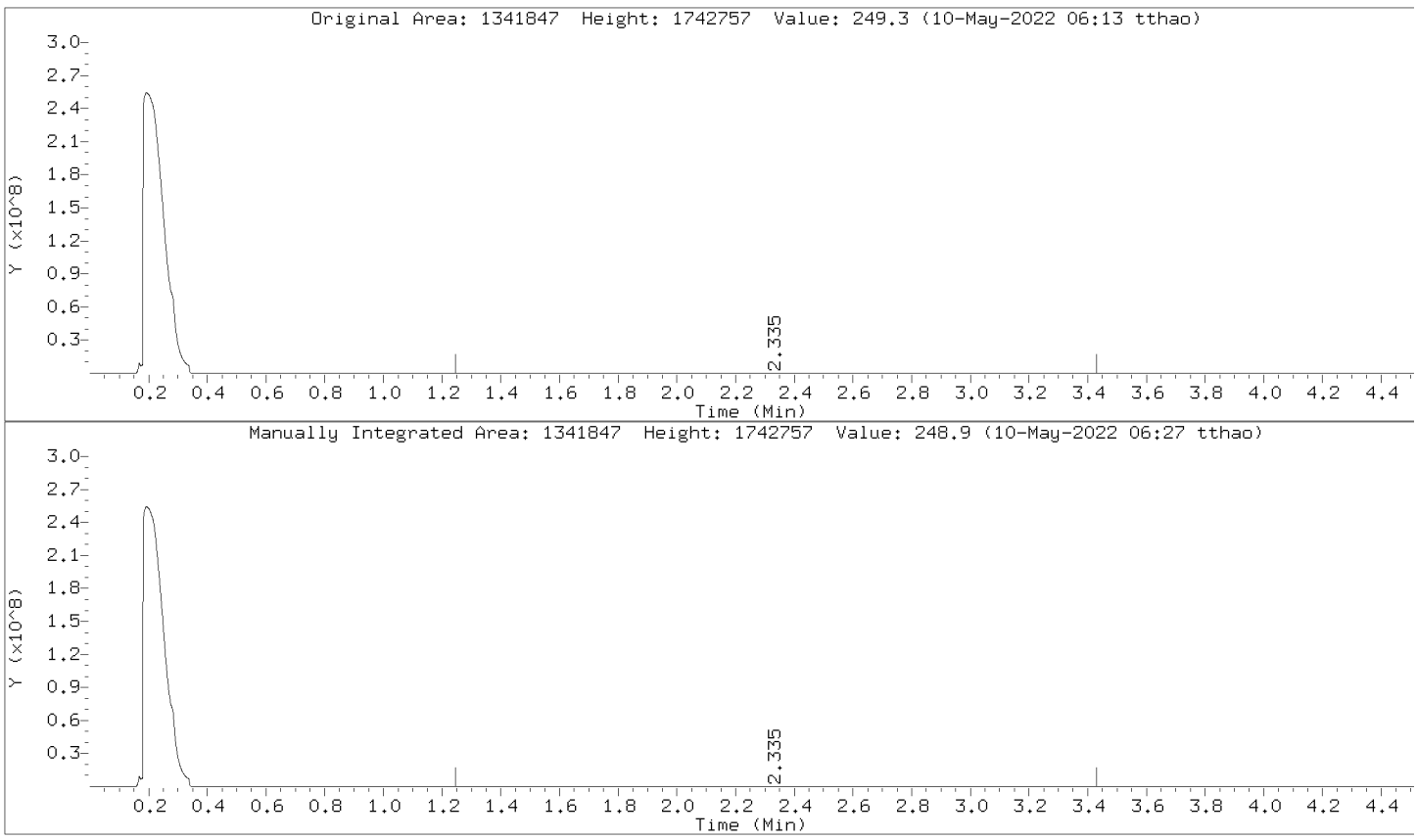
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



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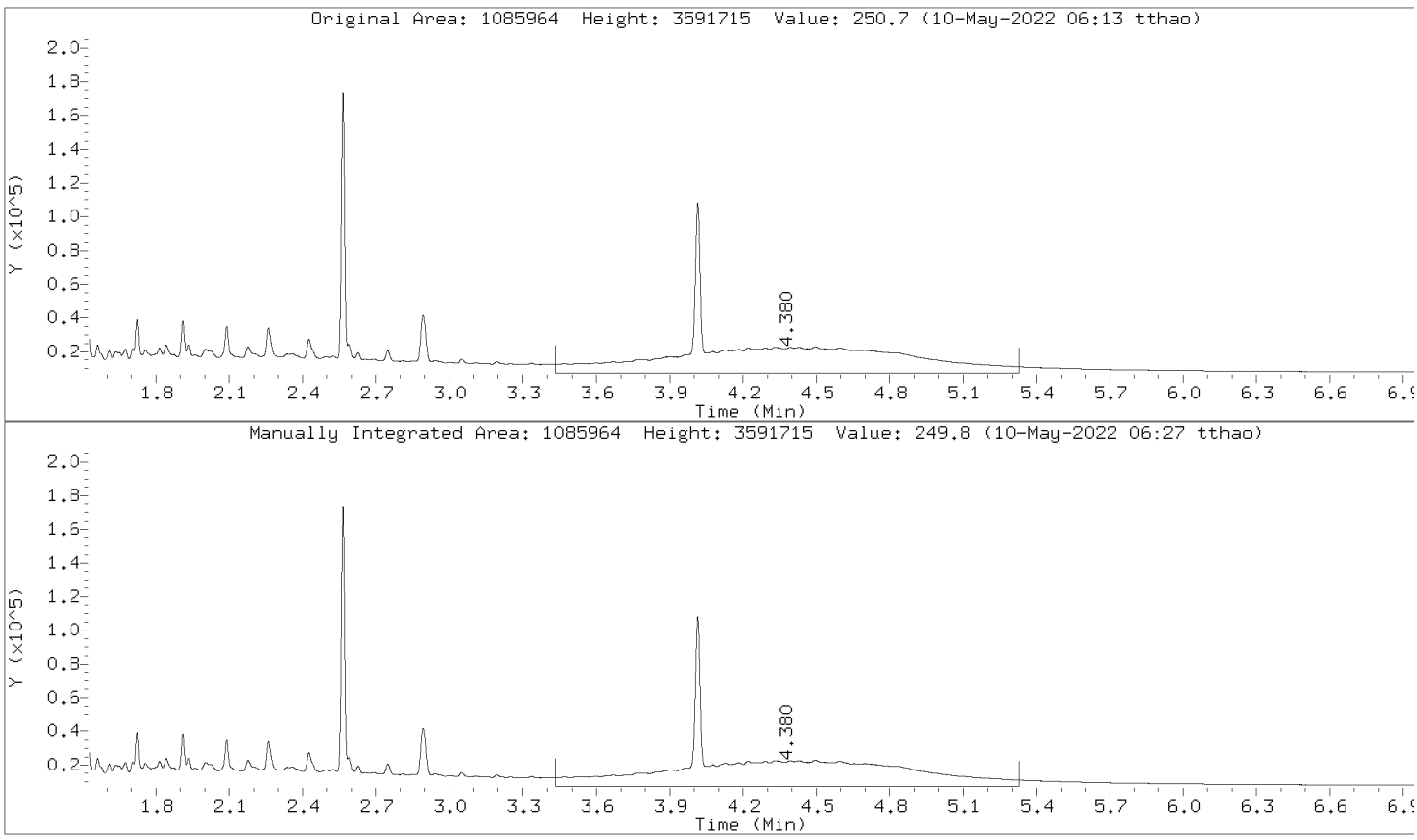
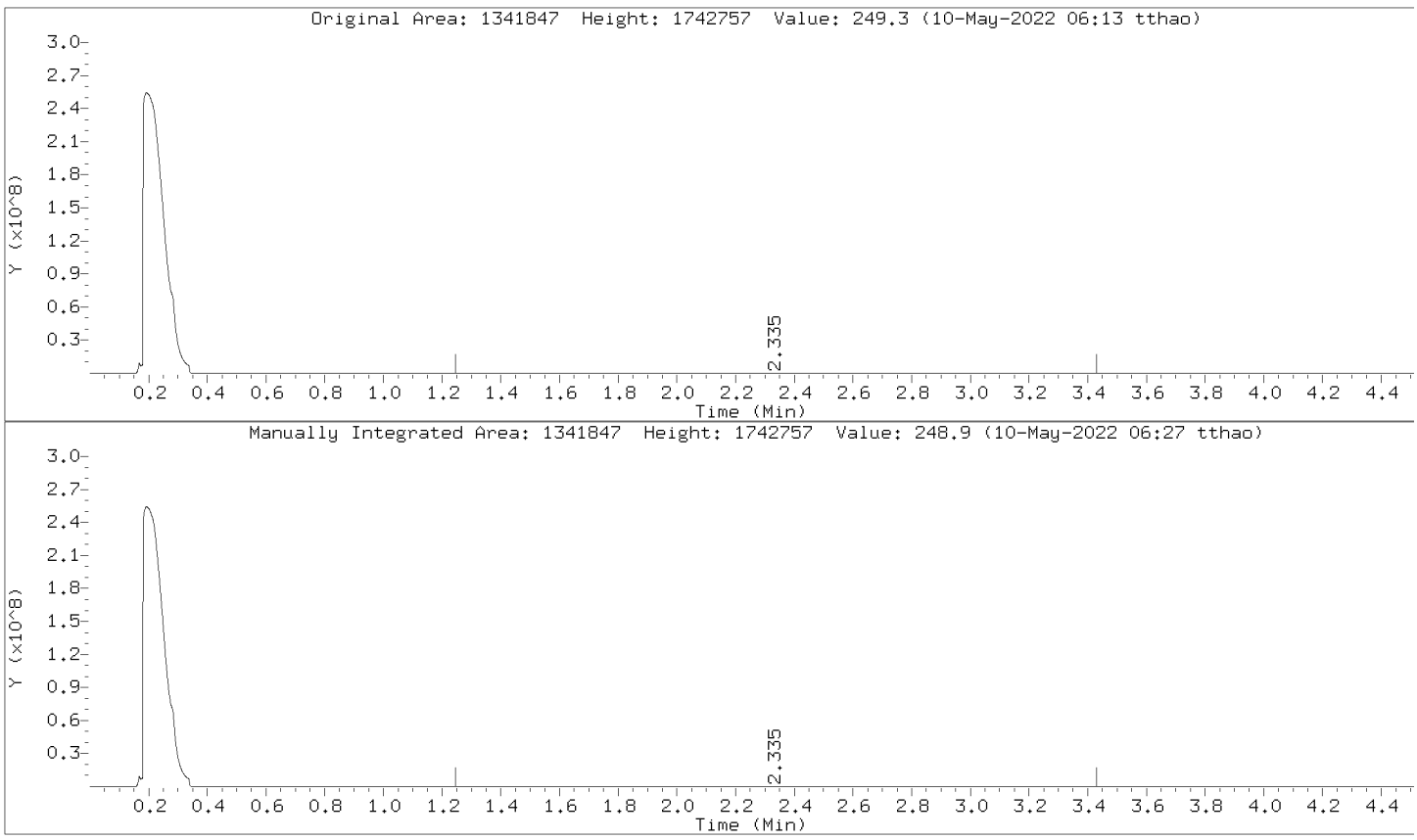
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



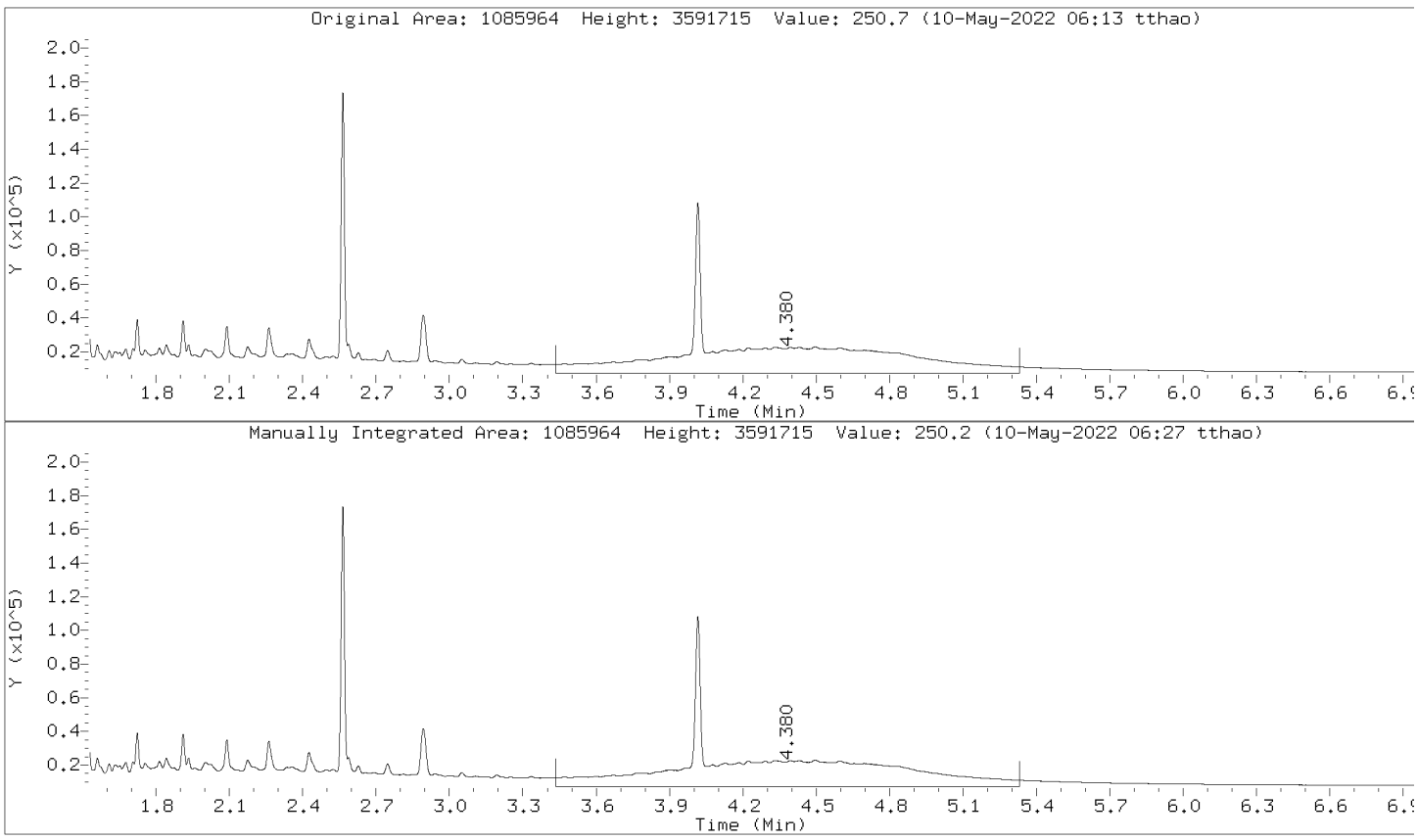
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



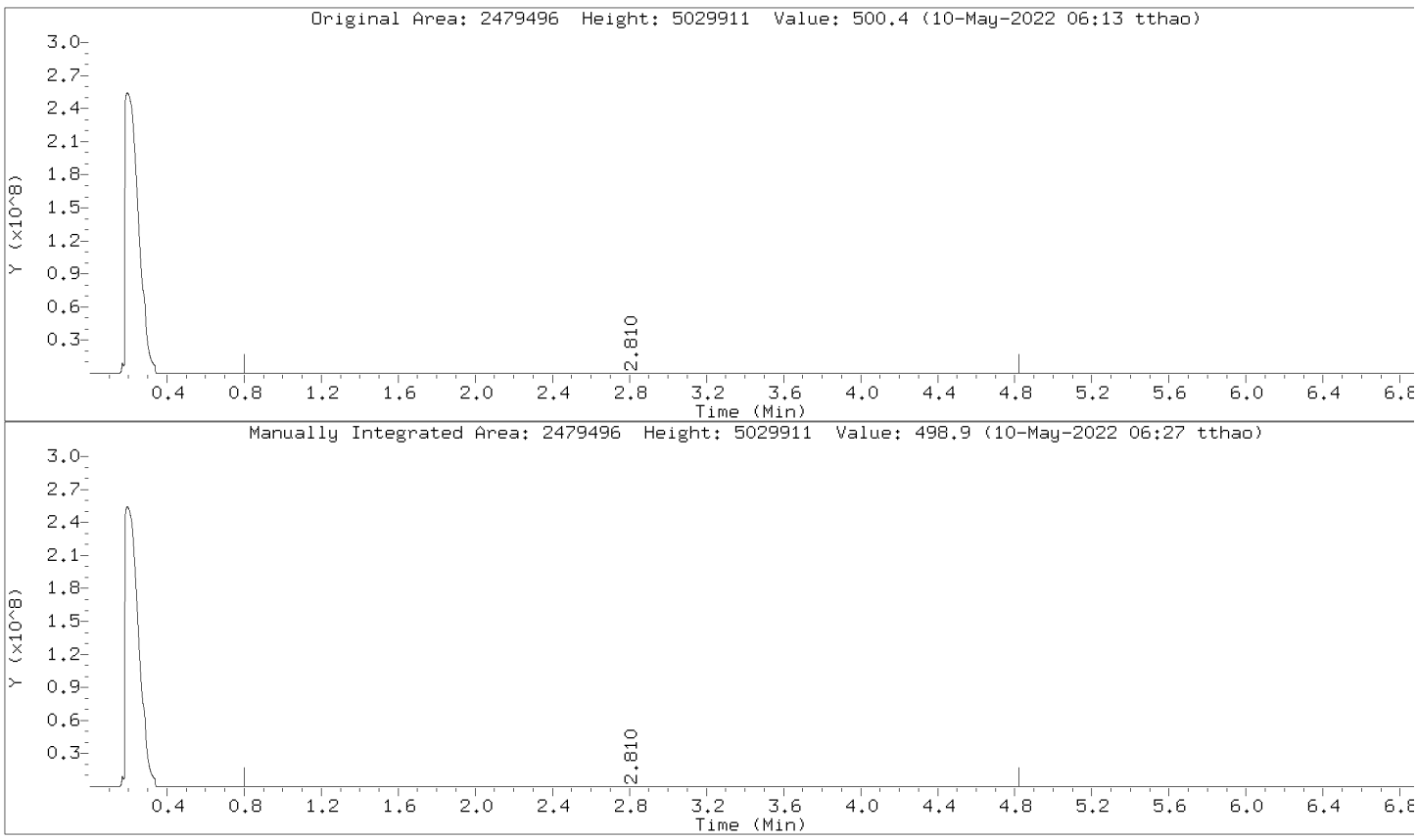
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



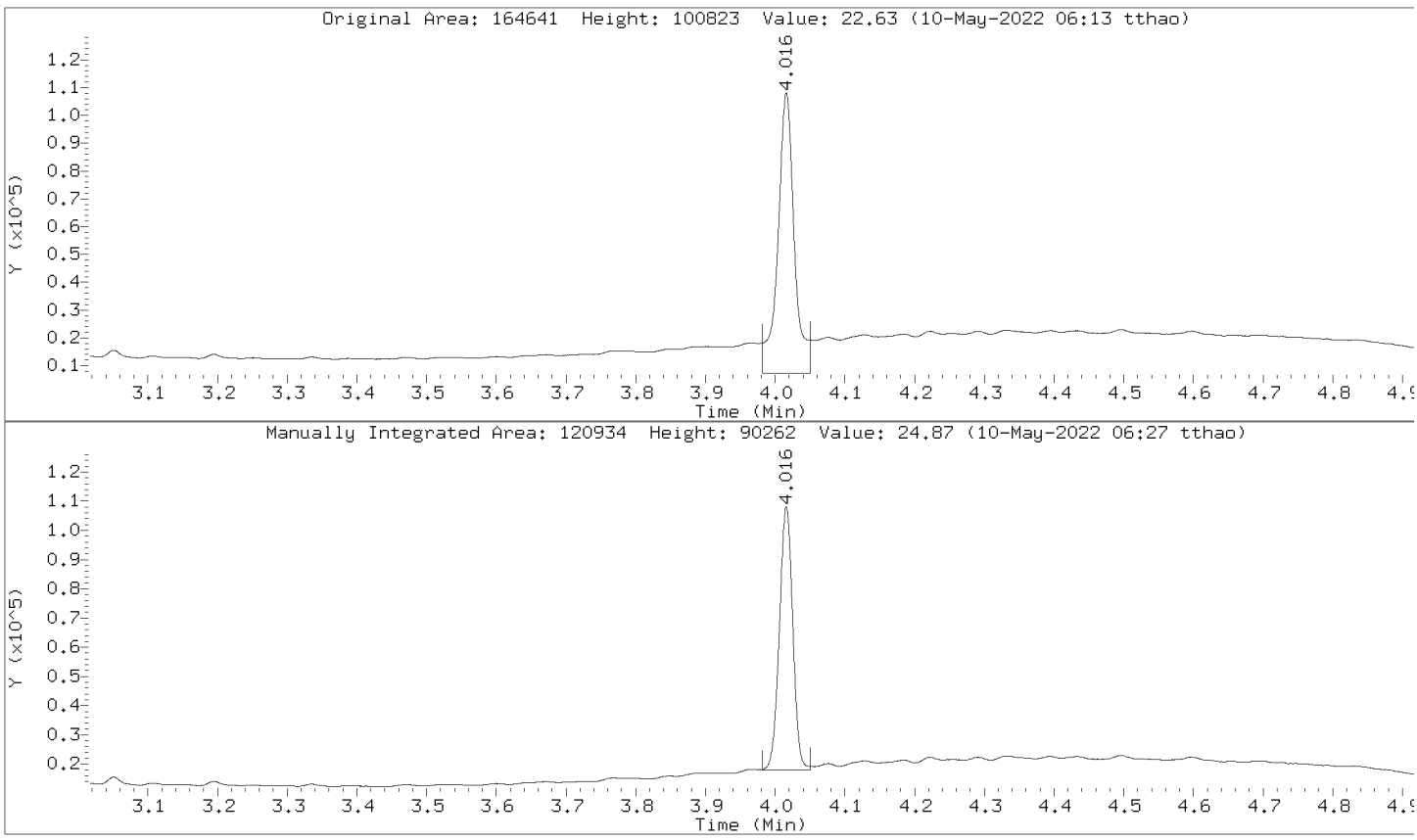
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: C10-C36 Review Code: RNG
CAS Number:



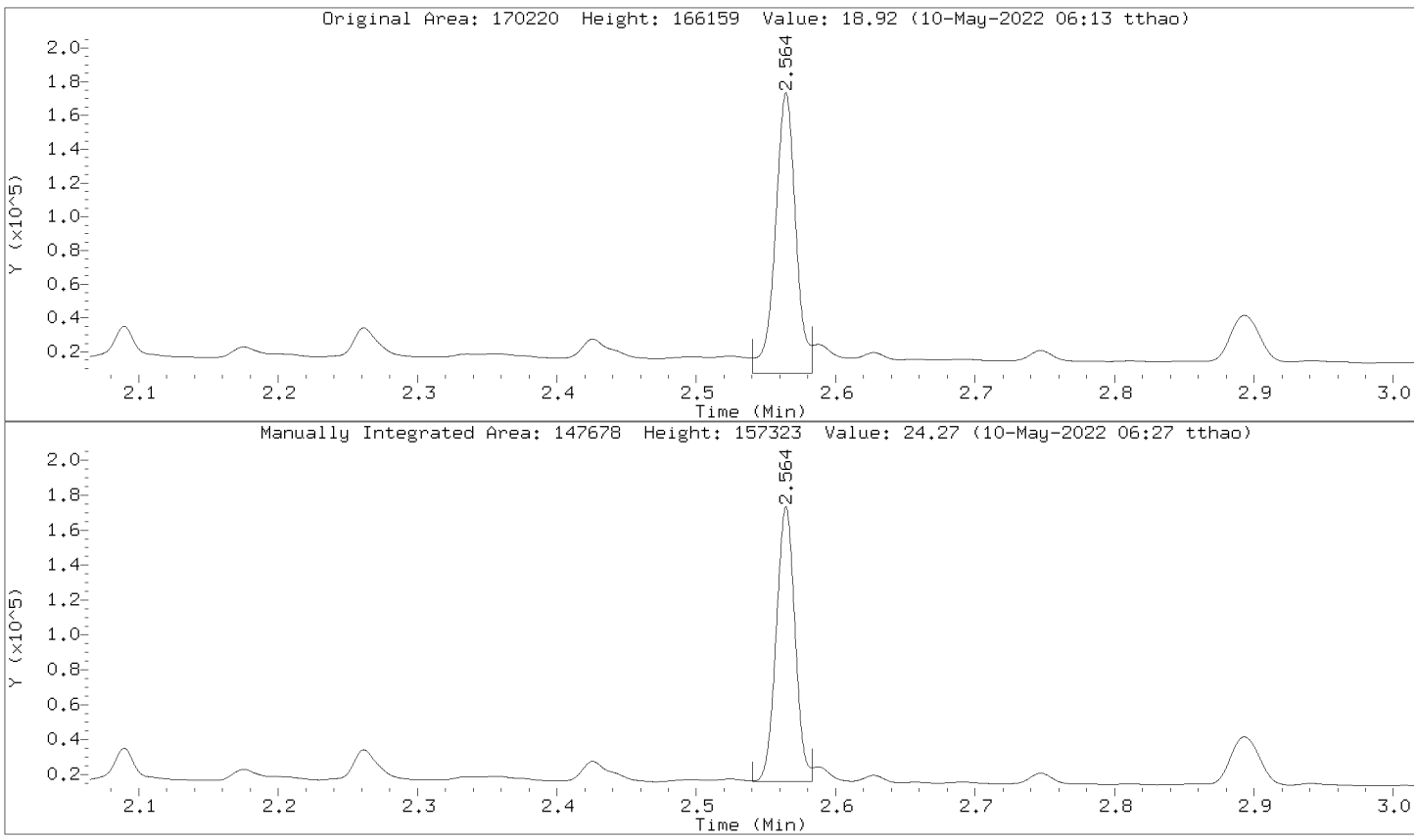
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	894979	894979
DRO by AK 102	1584516	1584516
TPH-DRO (C10-C28)	1810188	1810188
Motor Oil Range (C24-C36)	940953	940953
Diesel Fuel Range	1341847	1341847
Motor Oil Range	1085964	1085964
Diesel Fuel Range SG	1341847	1341847
Motor Oil Range SG	1085964	1085964
C10-C36	2479496	2479496
n-Triacontane (S)	164641	120934
o-Terphenyl (S)	170220	147678

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000030.D
Lab Smp Id: DMO-CAL7,364985:2 Client Smp ID: DMO-CAL7,364985:2
Inj Date : 09-MAY-2022 16:29
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal7,364985:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		2923435	500.000	508	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.565	2.565	0.000	295243	50.0000	48.5	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.017	4.017	0.000	241932	50.0000	49.7	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		1703629	500.000	502	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		3355850	500.000	507	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		1780783	500.000	502	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		4627064	1000.00	1010	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		2466345	500.000	508	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		2466345	500.000	508	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		2065434	500.000	502	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		2065434	500.000	502	(M)	RNG

QC Flag Legend

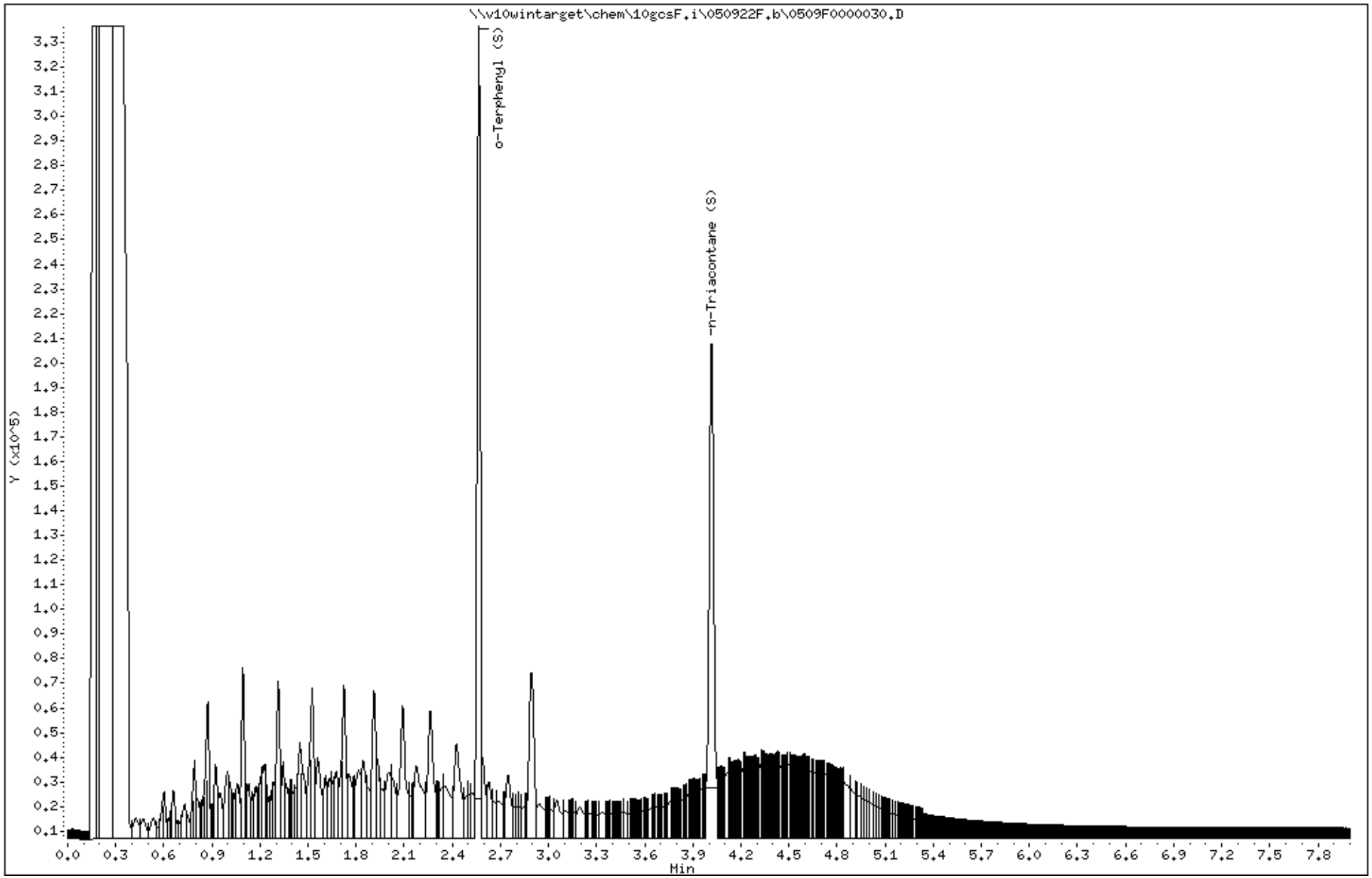
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000030.D
Date : 09-MAY-2022 16:29
Client ID: DMO-CAL7,364985:2
Sample Info: DMO-CAL7,364985:2

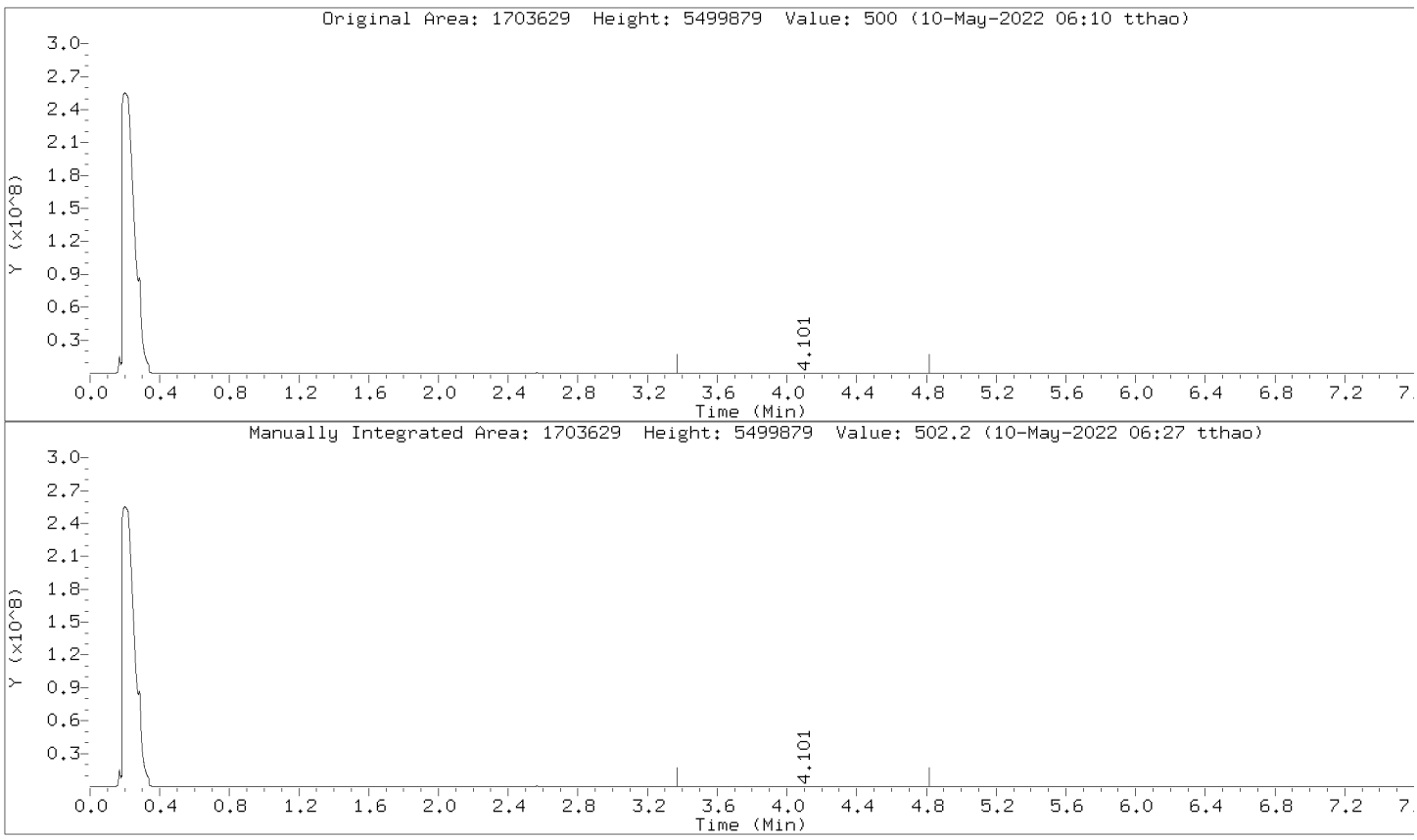
Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



179 of 1091
115 of 710
10606560

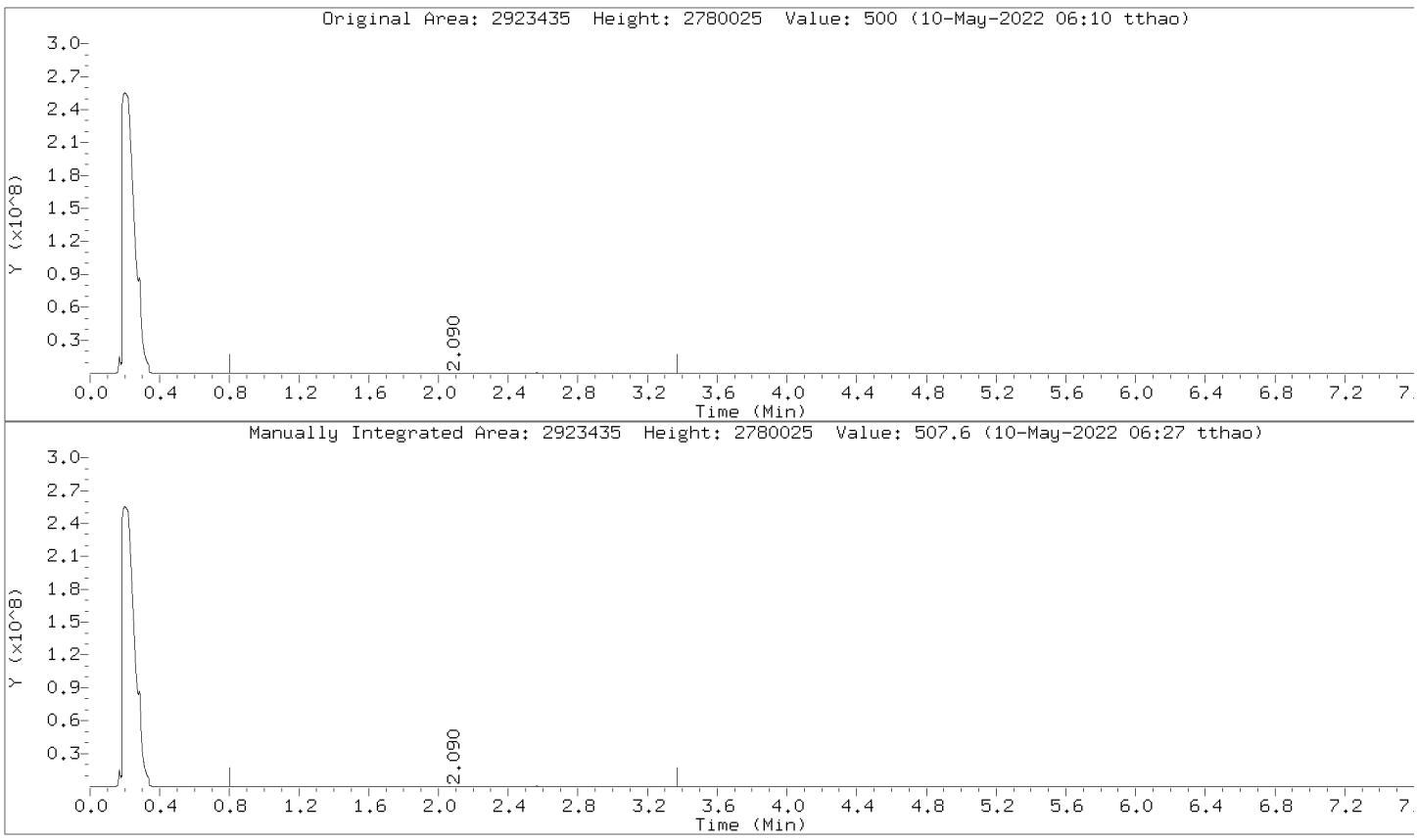
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



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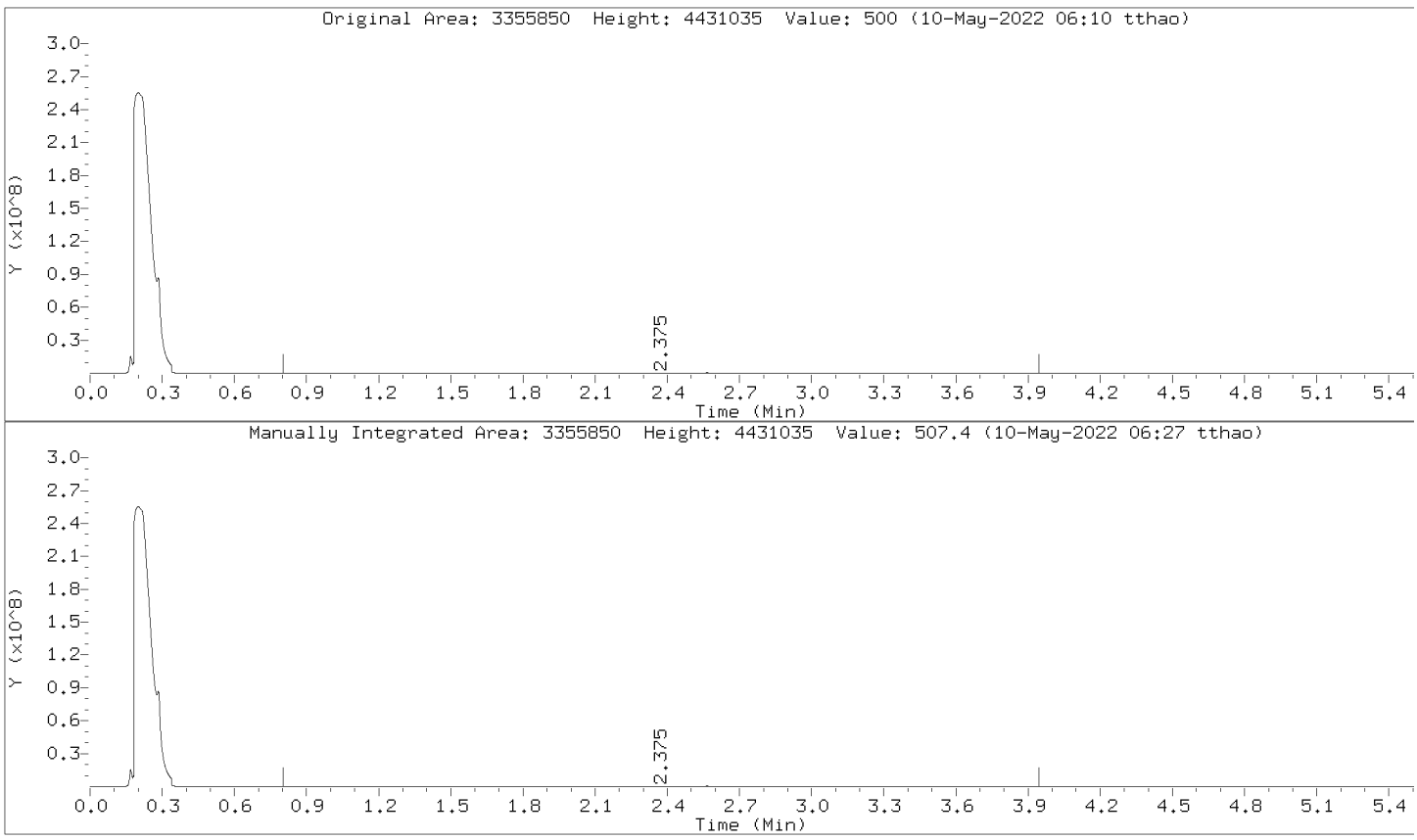
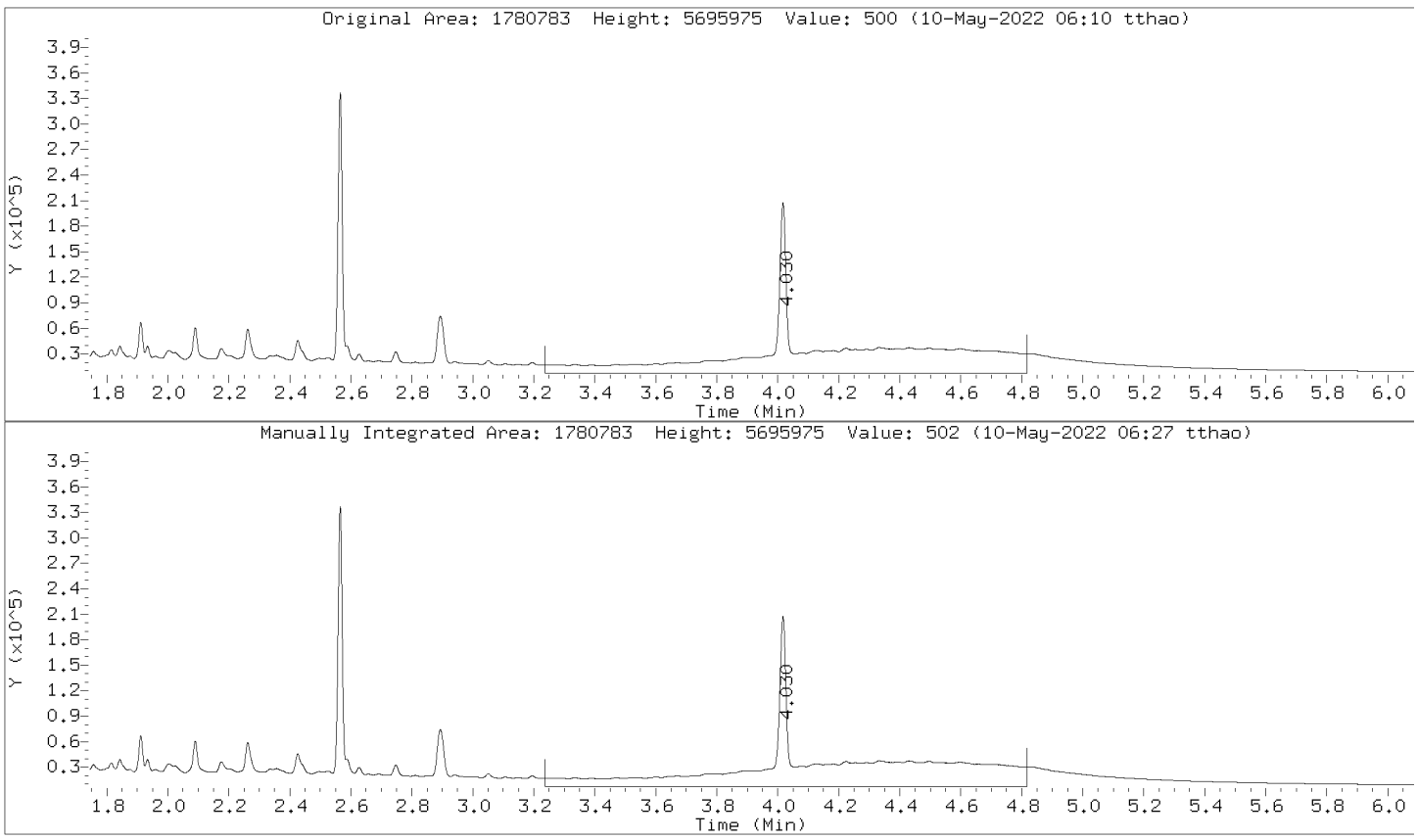
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



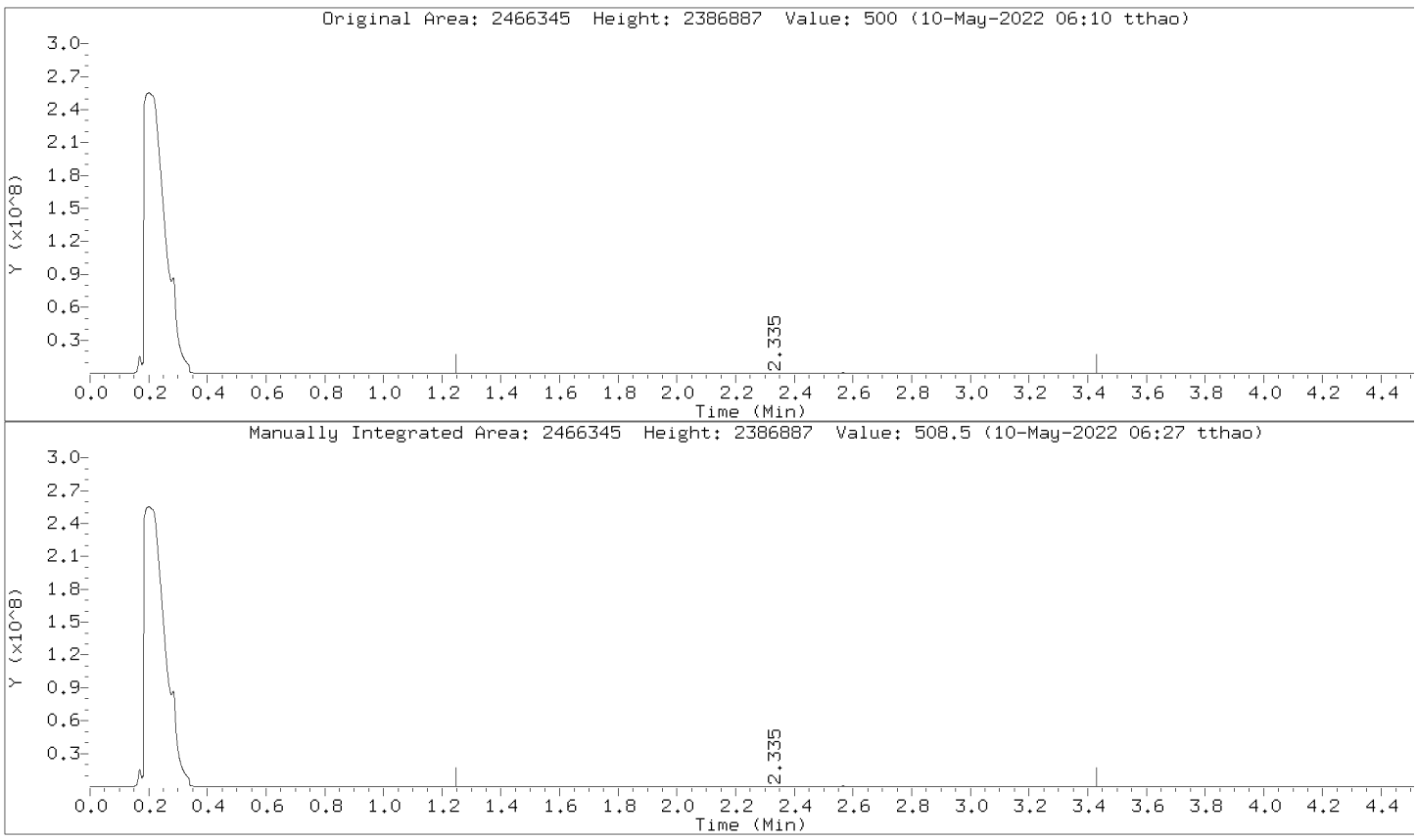
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



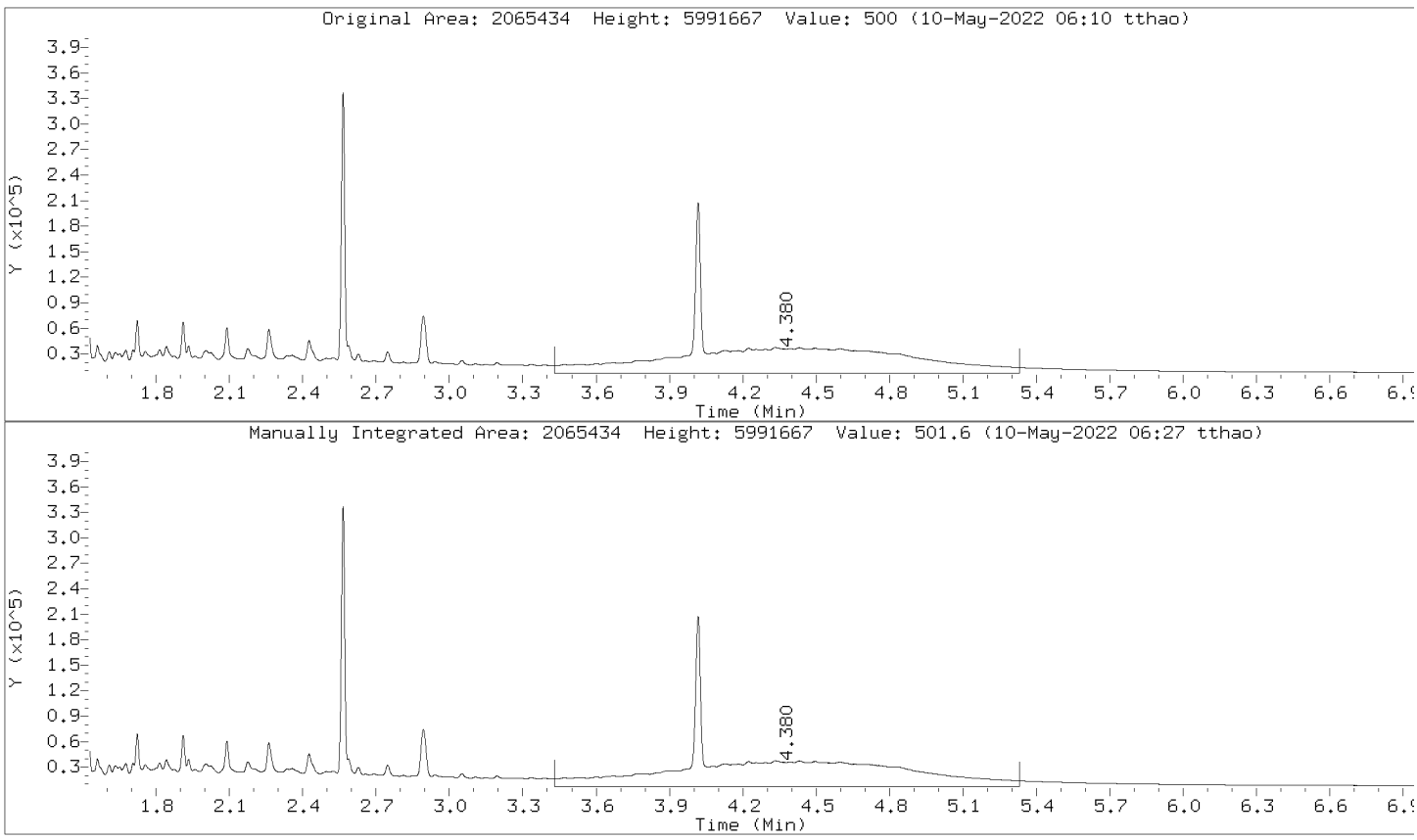
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



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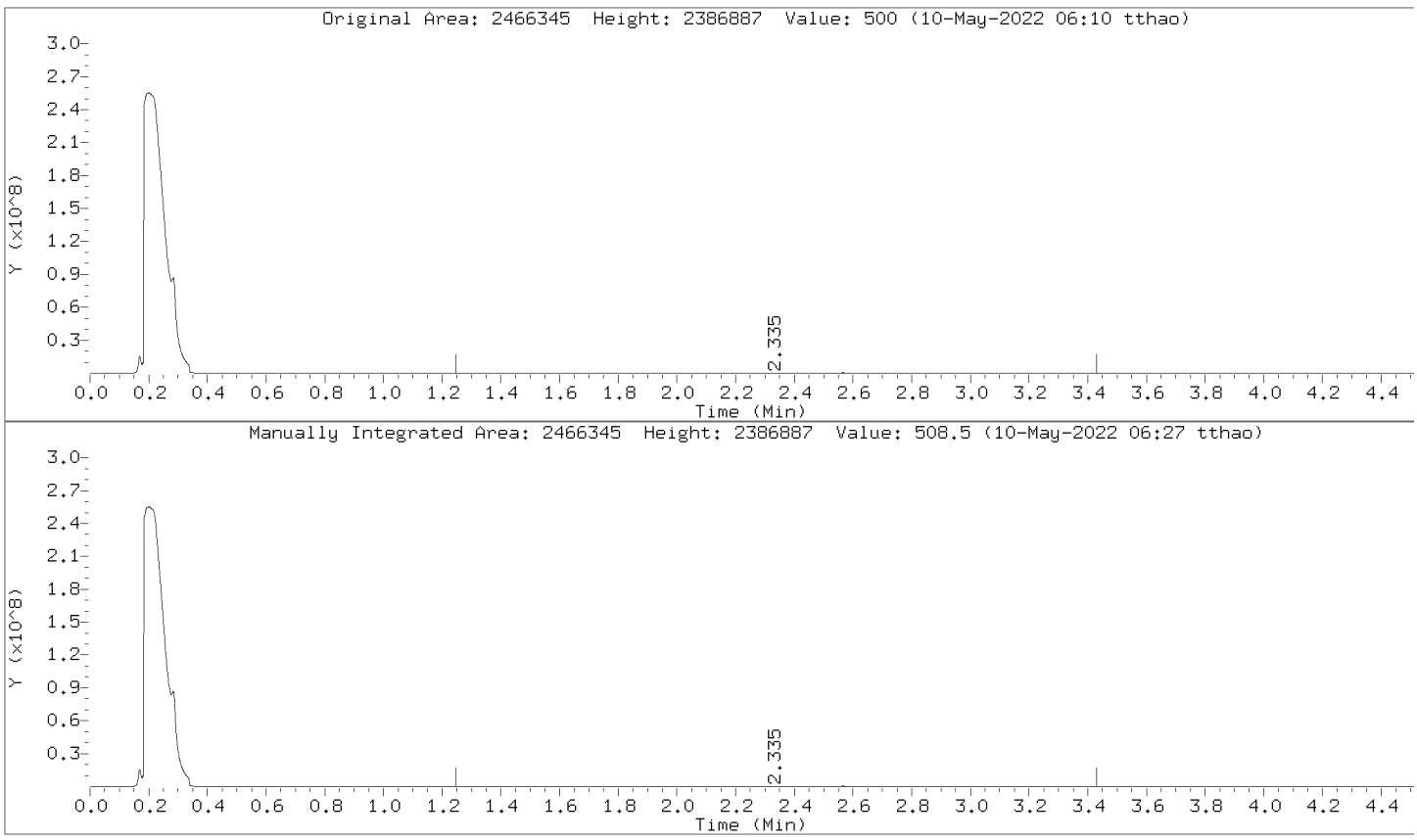
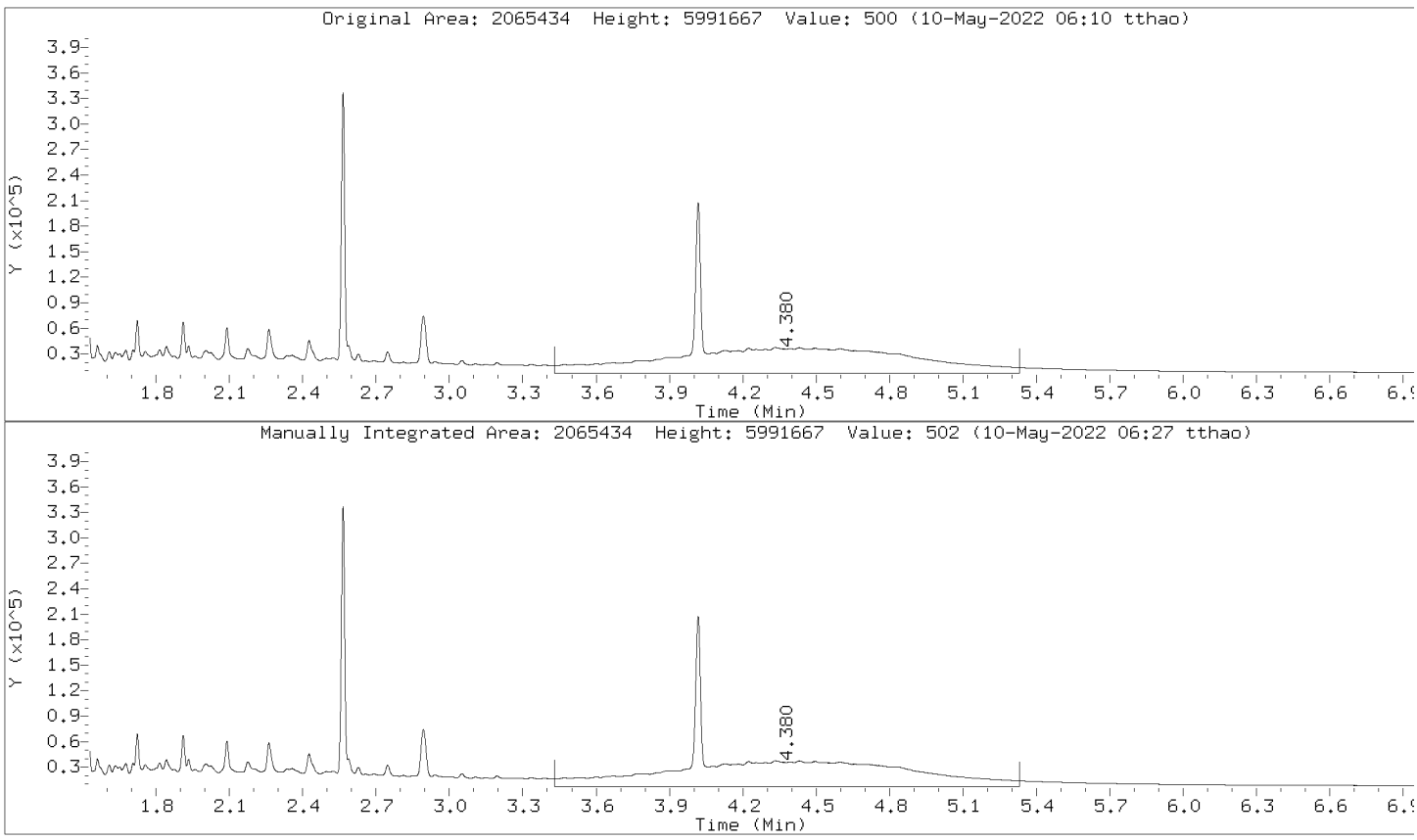
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



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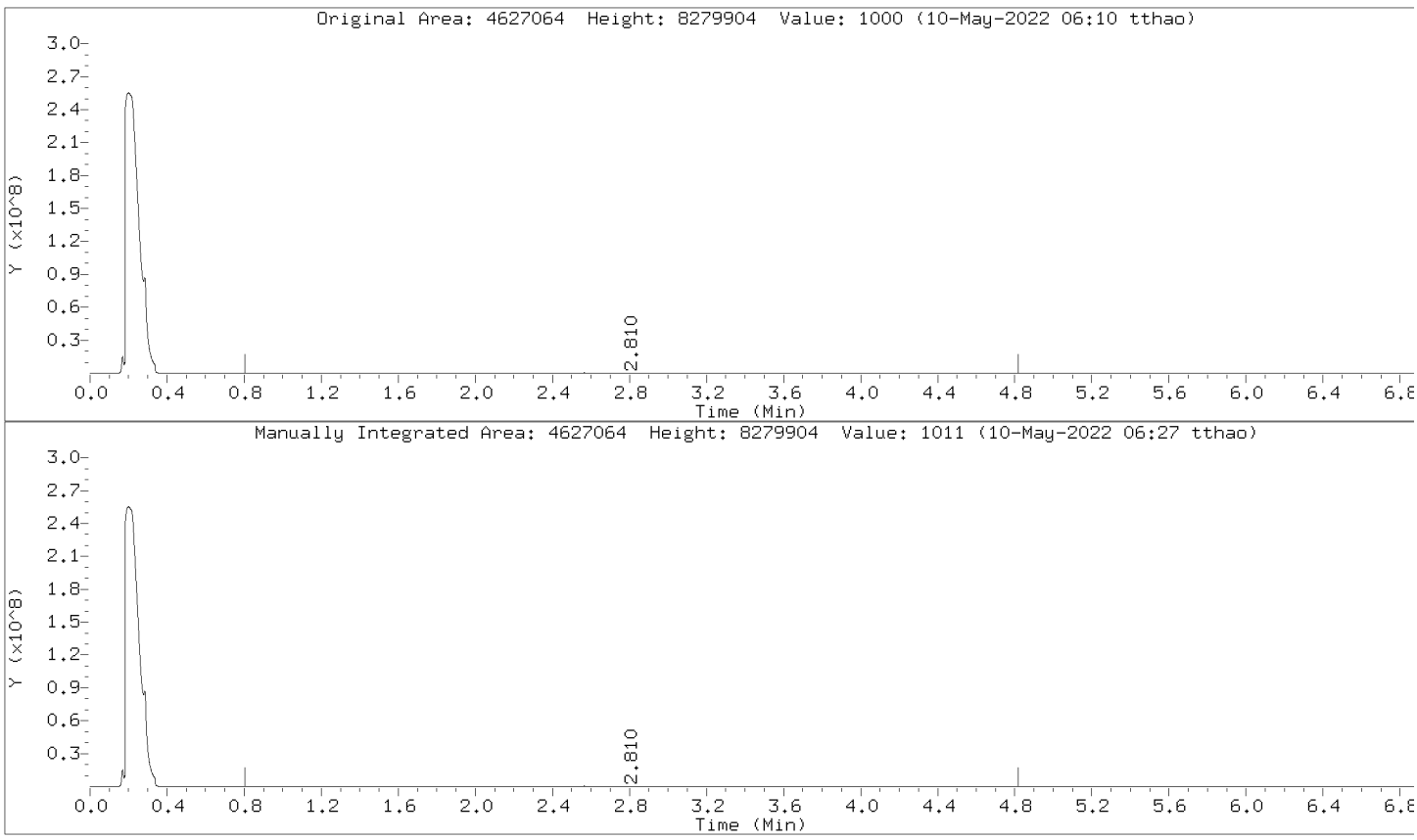
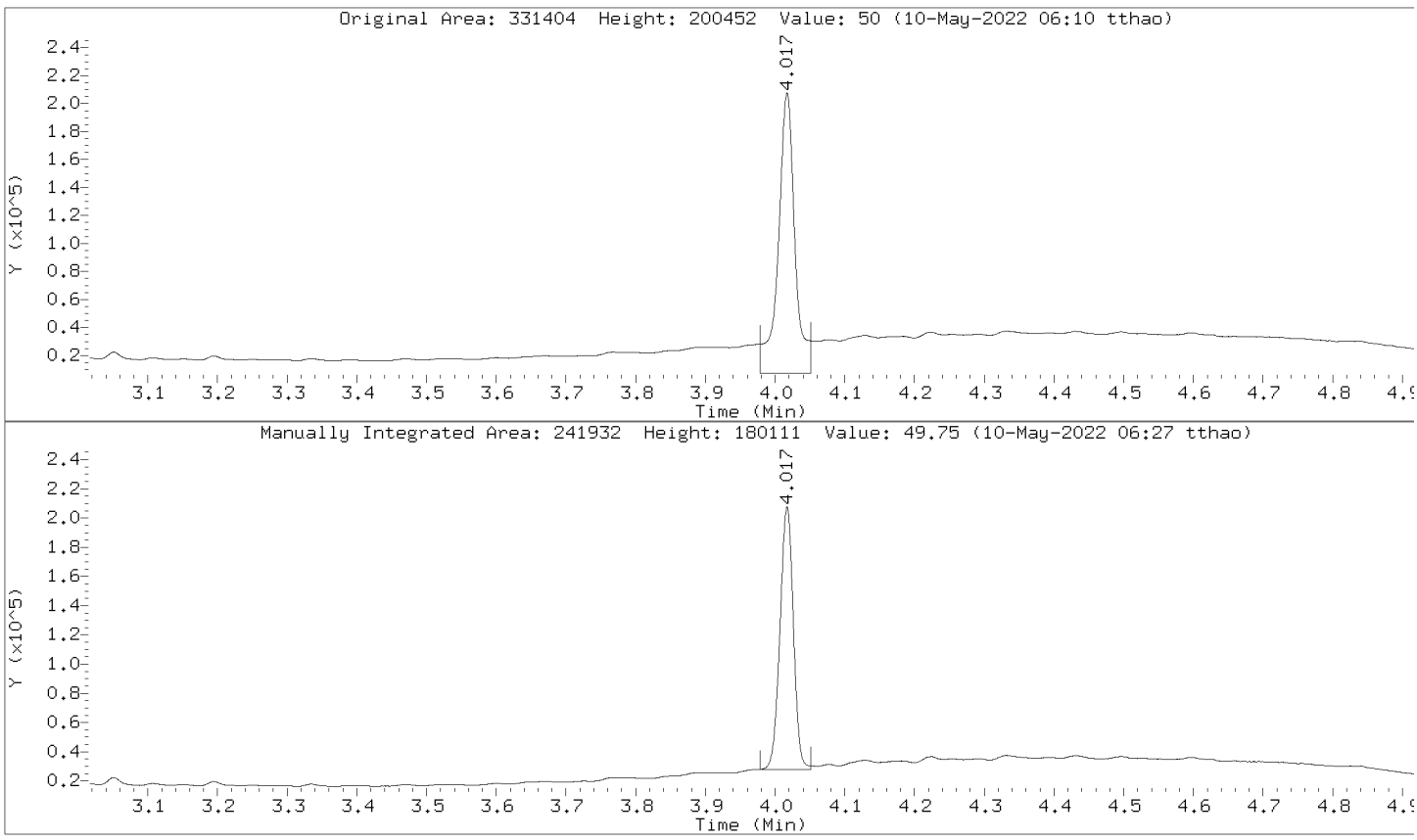
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: C10-C36 Review Code: RNG
CAS Number:



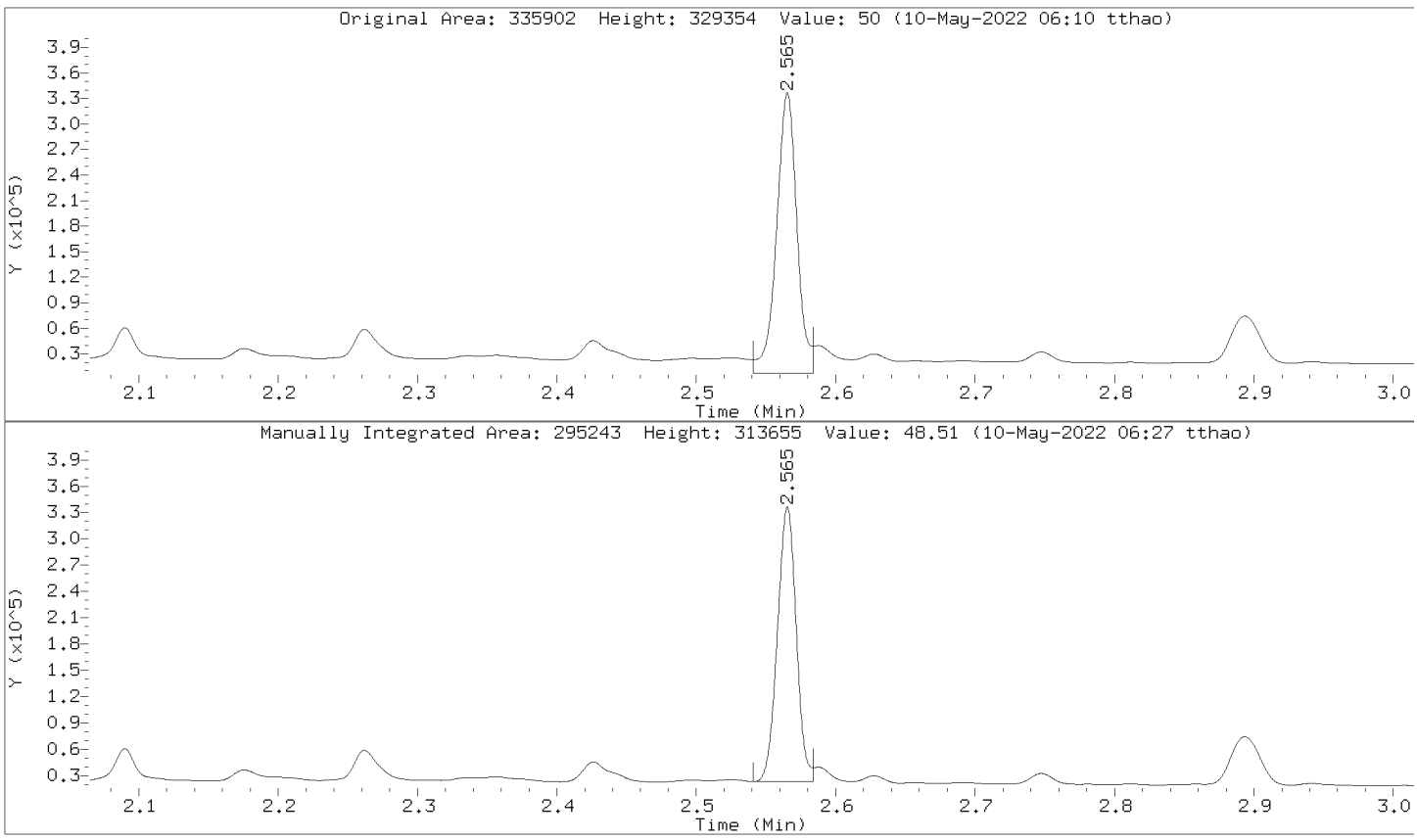
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1703629	1703629
DRO by AK 102	2923435	2923435
TPH-DRO (C10-C28)	3355850	3355850
Motor Oil Range (C24-C36)	1780783	1780783
Diesel Fuel Range	2466345	2466345
Motor Oil Range	2065434	2065434
Diesel Fuel Range SG	2466345	2466345
Motor Oil Range SG	2065434	2065434
C10-C36	4627064	4627064
n-Triacontane (S)	331404	241932
o-Terphenyl (S)	335902	295243

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000031.D
Lab Smp Id: DMO-CAL8,364986:2 Client Smp ID: DMO-CAL8,364986:2
Inj Date : 09-MAY-2022 16:41
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal8,364986:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 10 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		5582380	1000.00	1020	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.566	2.565	0.001	588897	100.000	96.8	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.019	4.017	0.002	483352	100.000	99.4	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		3317081	1000.00	1000	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		6405840	1000.00	1020	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		3460735	1000.00	1000	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		8899462	2000.00	2030	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		4693570	1000.00	1020	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		4693570	1000.00	1020	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		3996918	1000.00	998	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		3996918	1000.00	998	(M)	RNG

QC Flag Legend

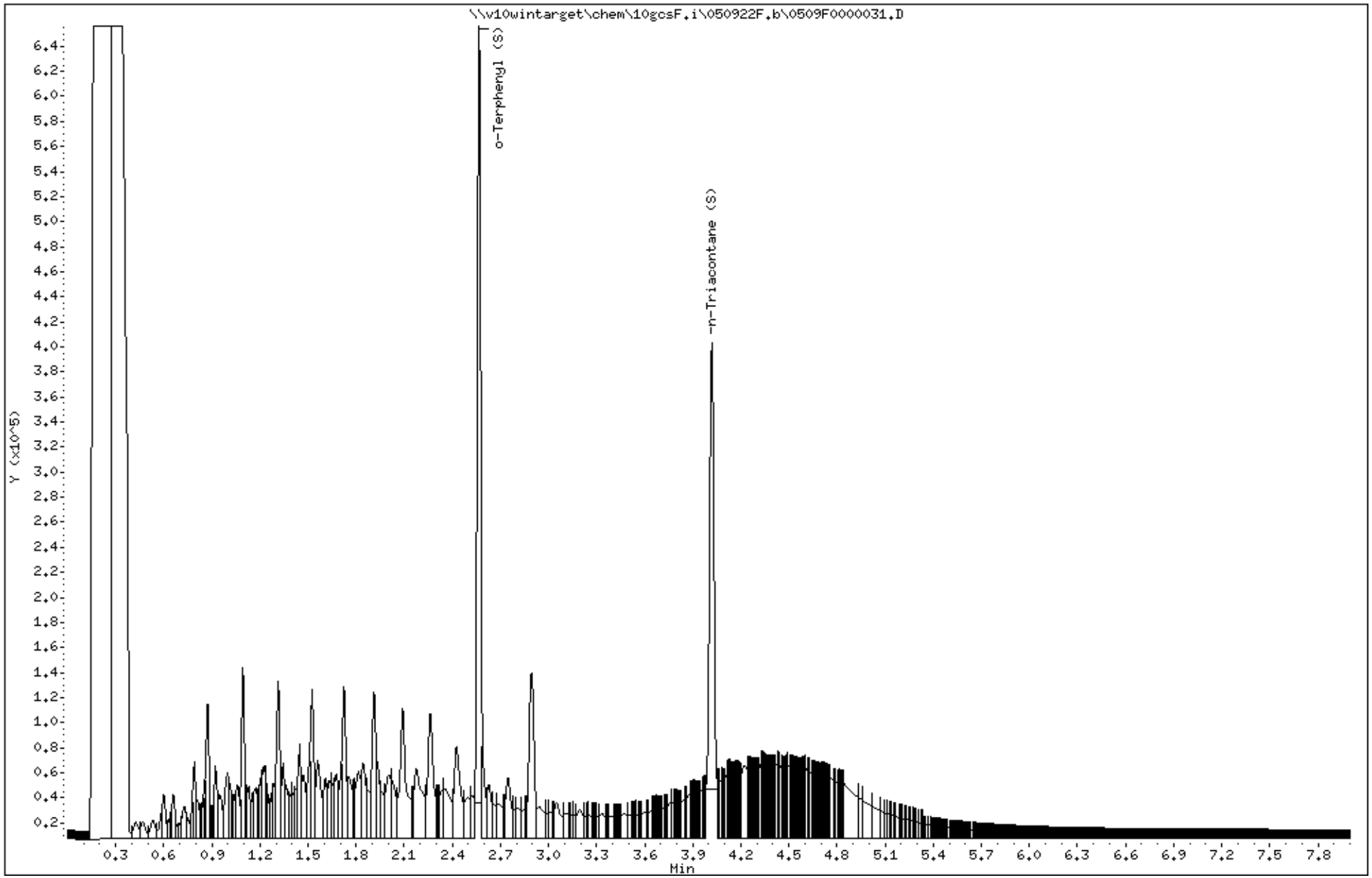
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000031.D
Date : 09-MAY-2022 16:41
Client ID: DMO-CAL8,364986:2
Sample Info: DMO-CAL8,364986:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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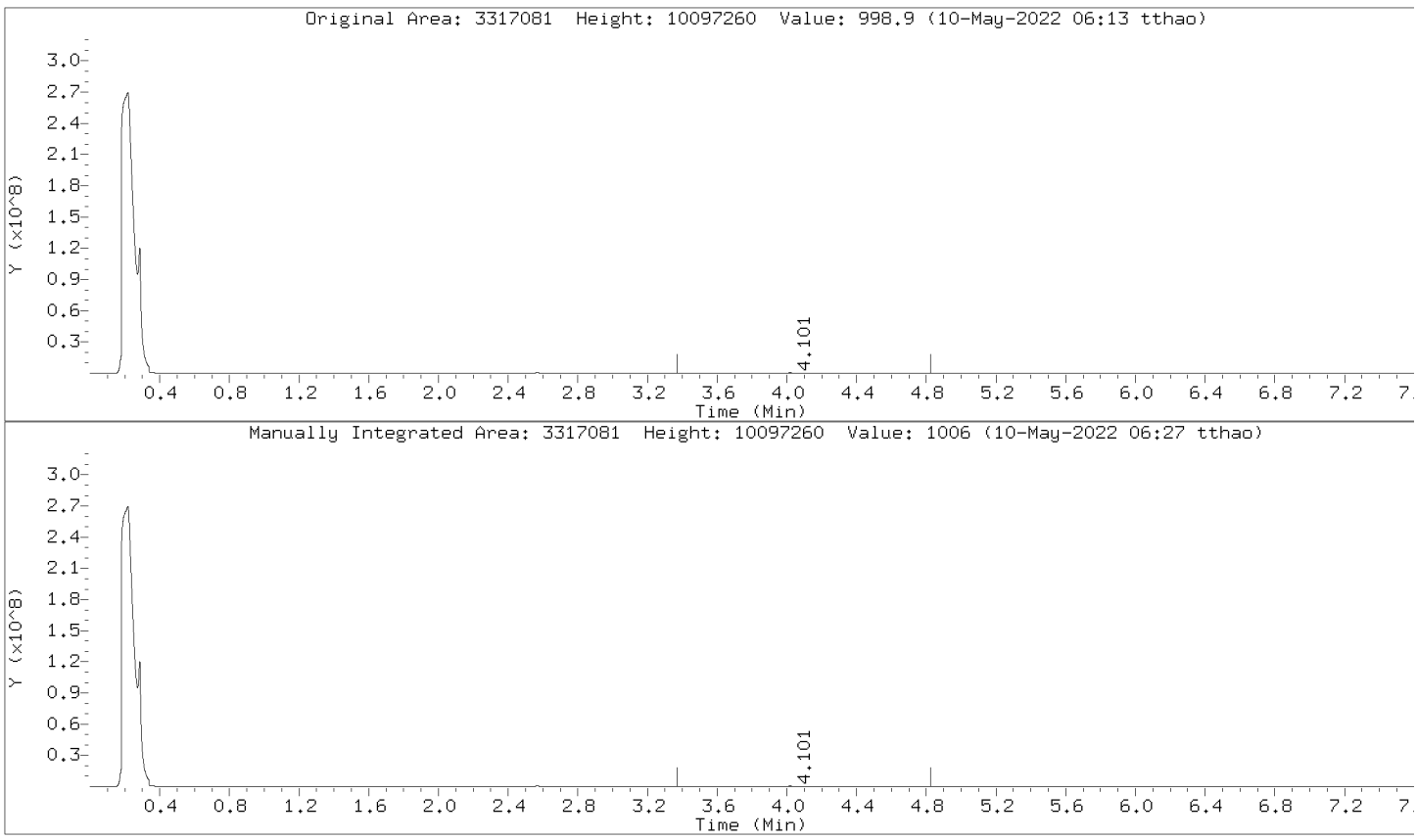
129 of 710
10606560

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



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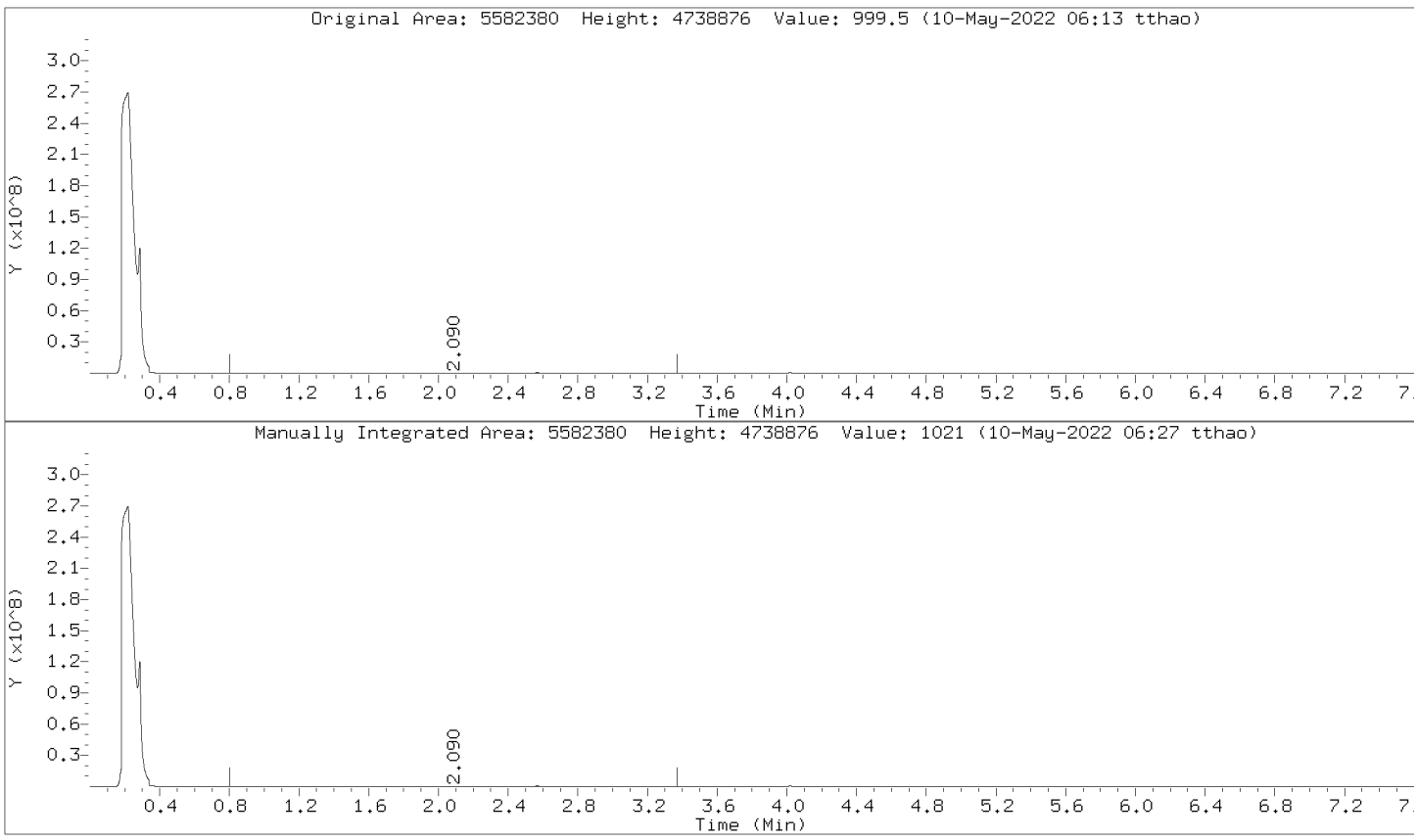
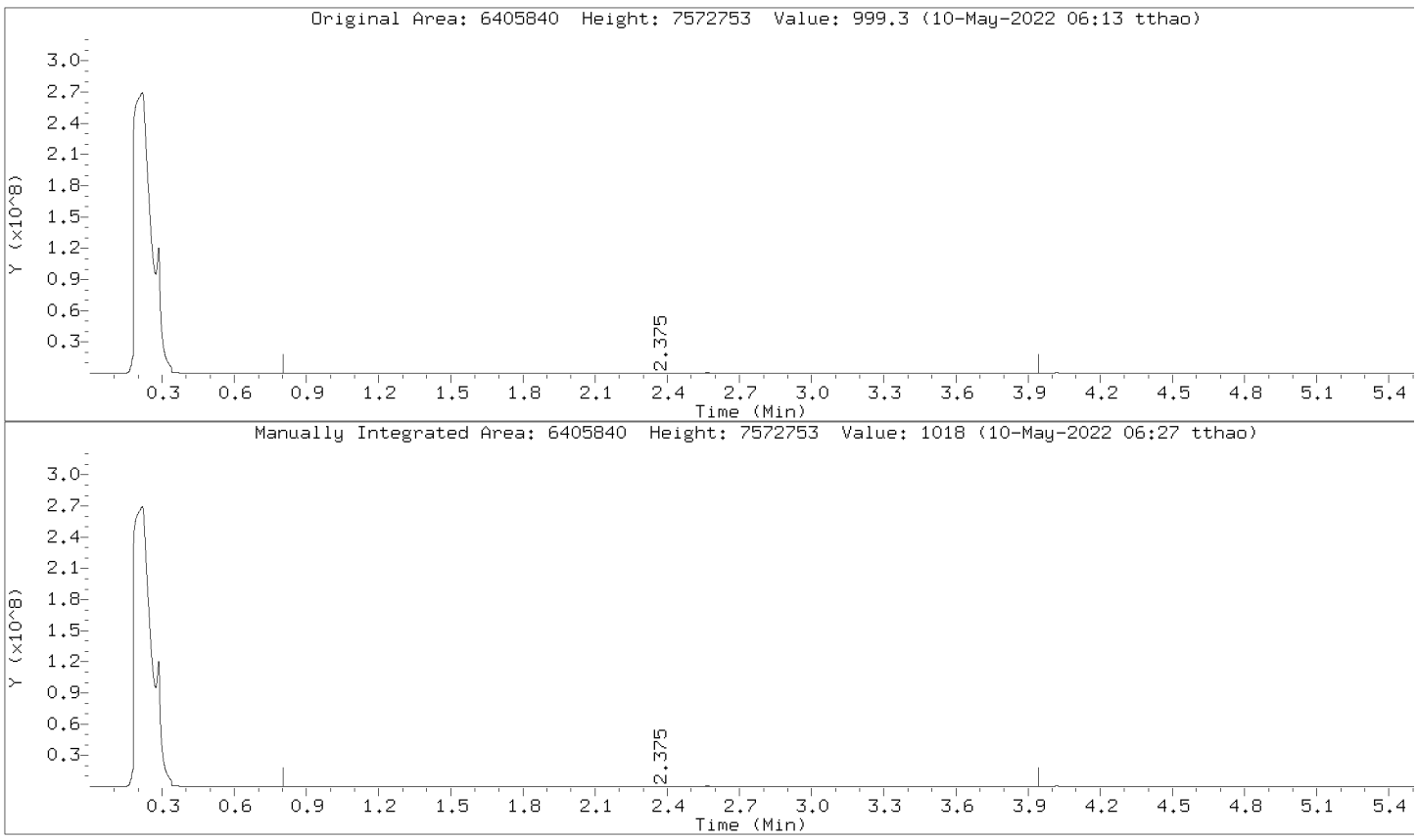
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



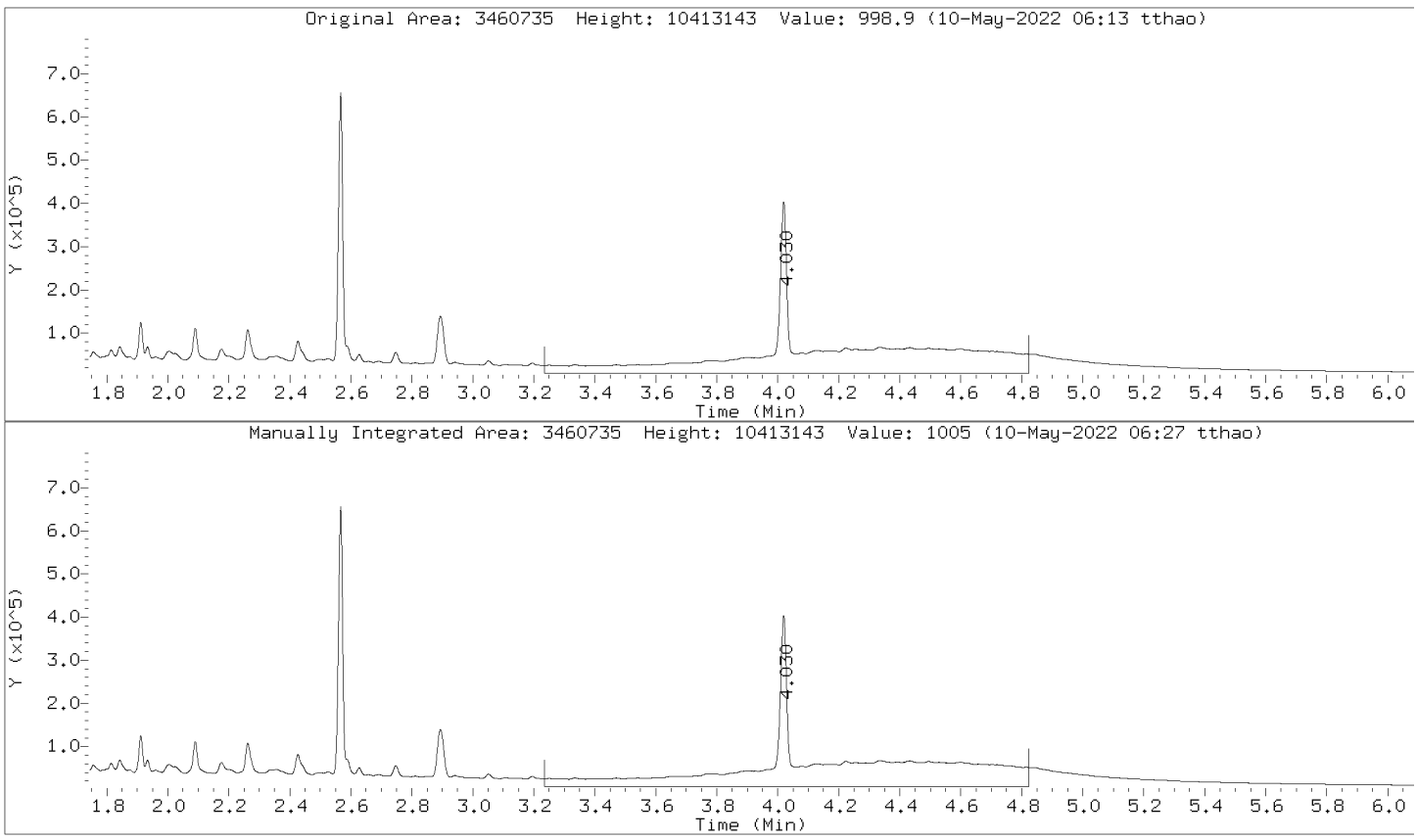
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



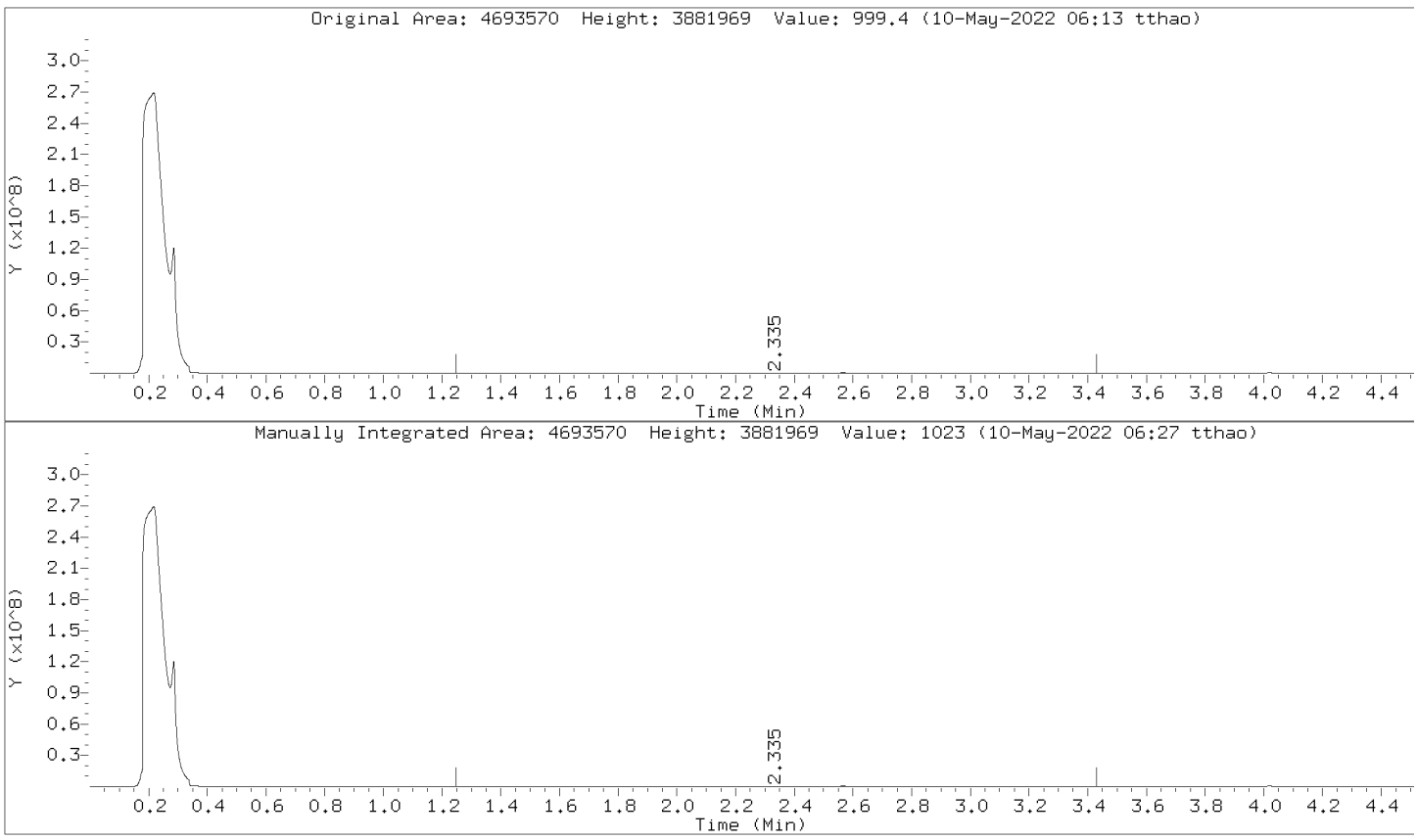
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



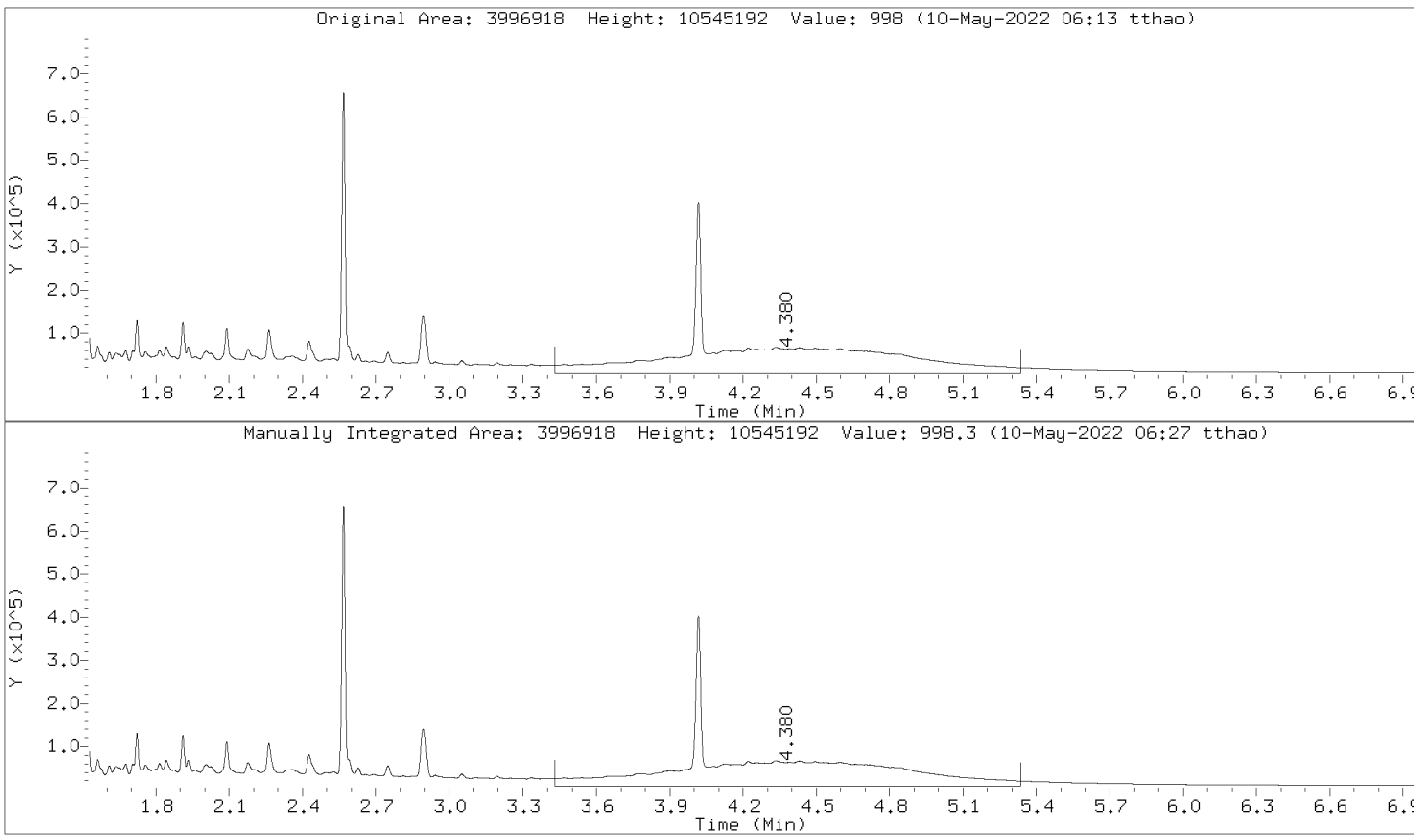
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



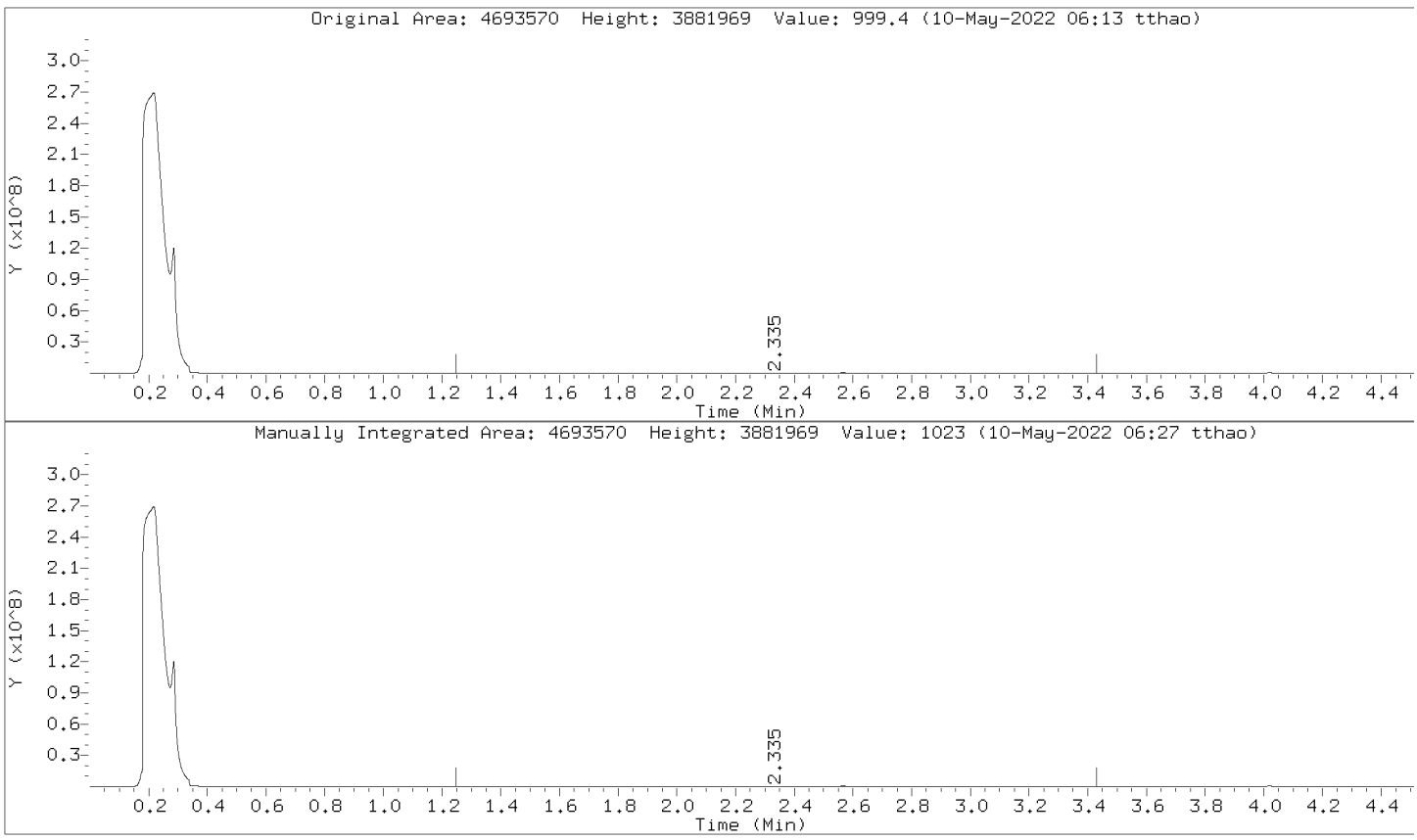
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



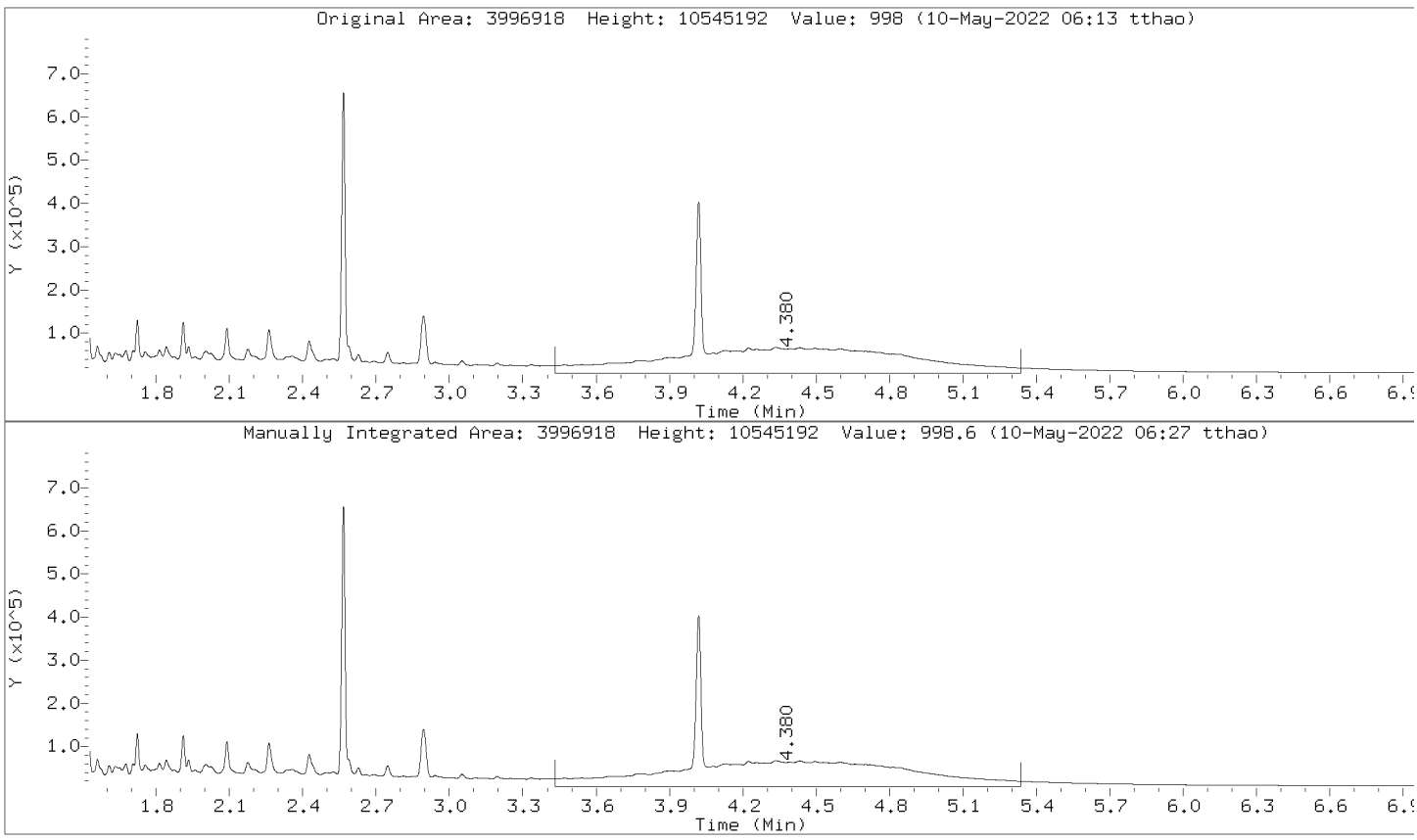
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



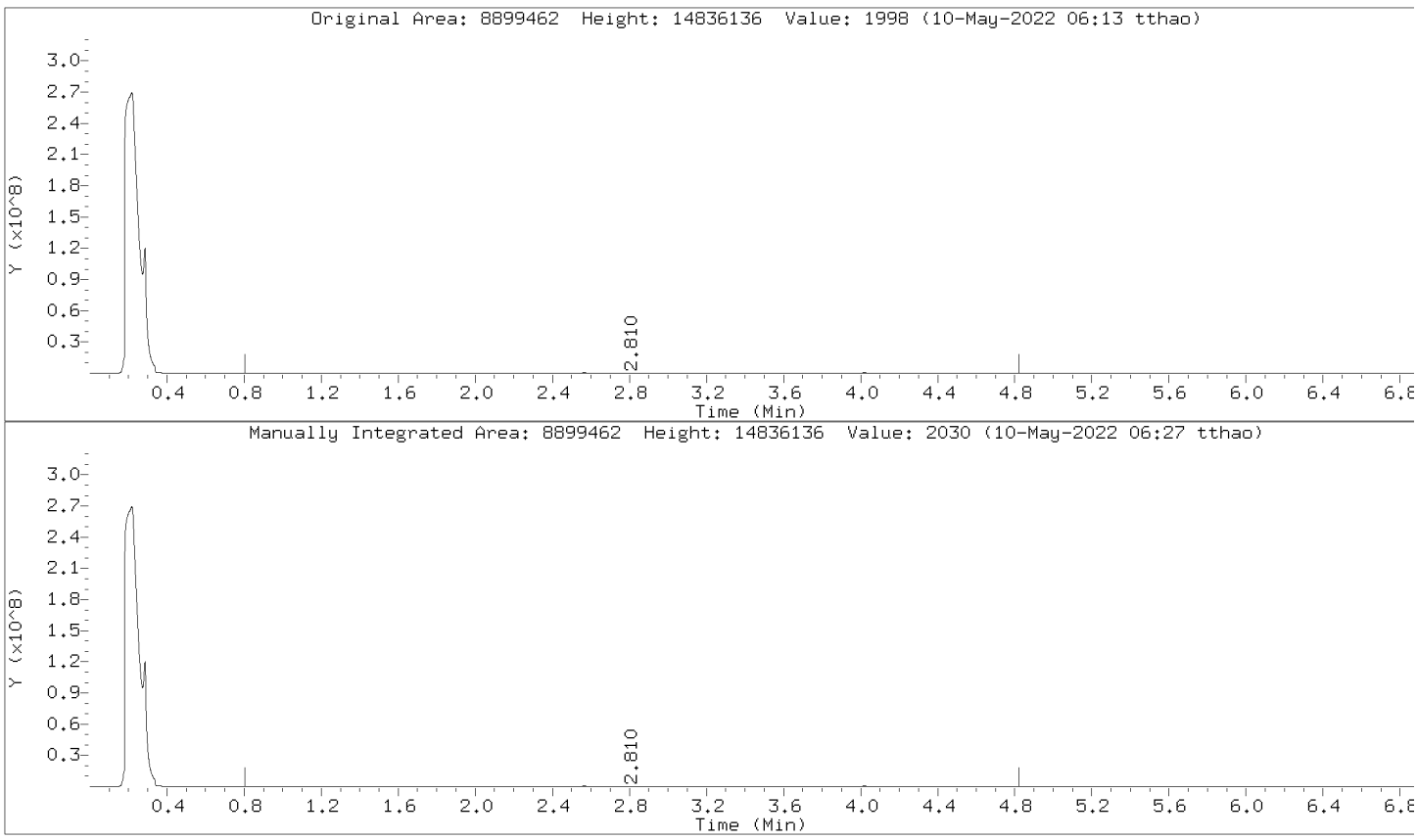
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



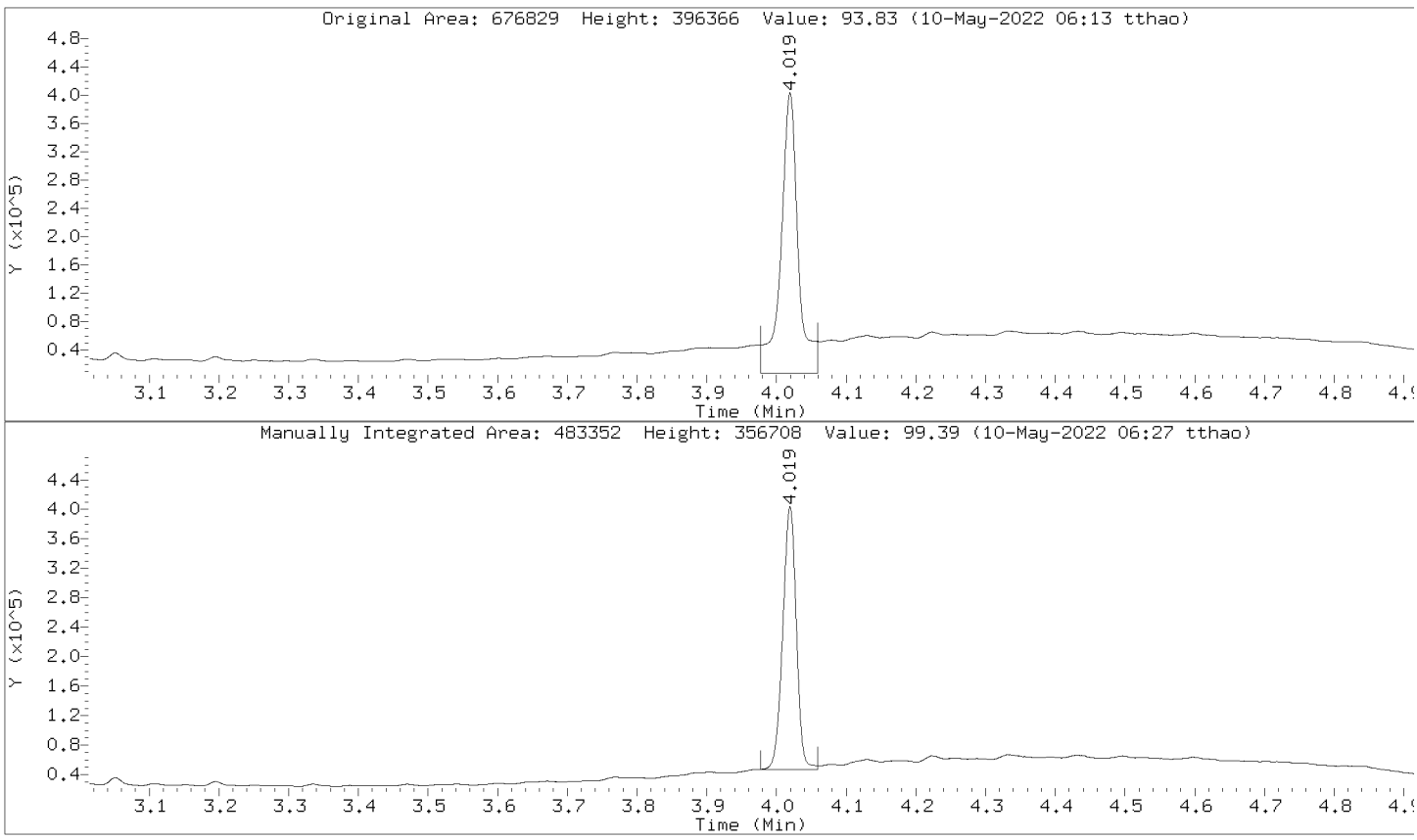
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: C10-C36 Review Code: RNG
CAS Number:



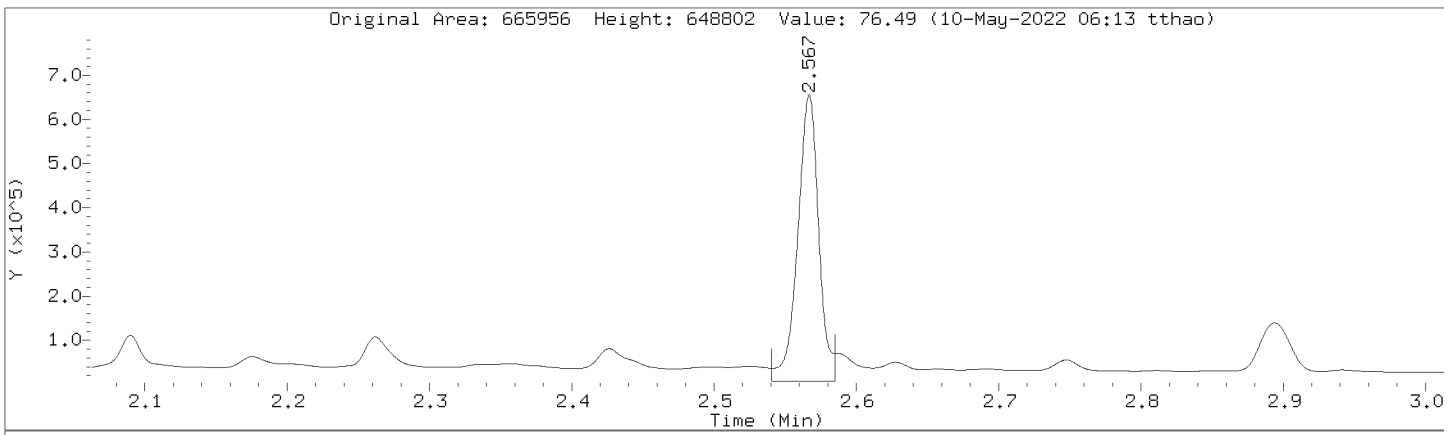
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

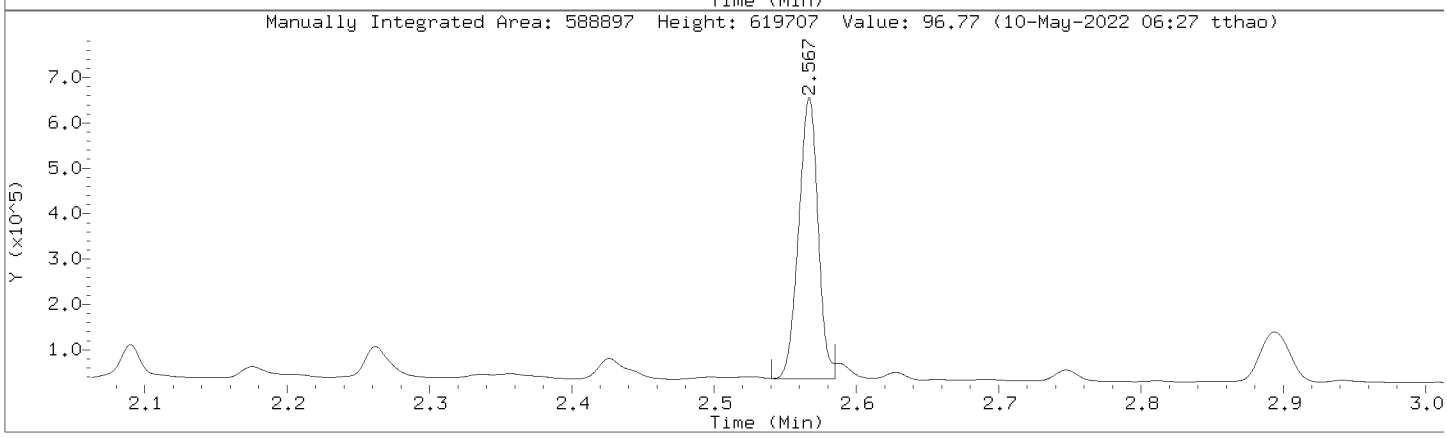
Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:





Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	3317081	3317081
DRO by AK 102	5582380	5582380
TPH-DRO (C10-C28)	6405840	6405840
Motor Oil Range (C24-C36)	3460735	3460735
Diesel Fuel Range	4693570	4693570
Motor Oil Range	3996918	3996918
Diesel Fuel Range SG	4693570	4693570
Motor Oil Range SG	3996918	3996918
C10-C36	8899462	8899462
n-Triacontane (S)	676829	483352
o-Terphenyl (S)	665956	588897

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000032.D
Lab Smp Id: DMO-CAL9,364987:2 Client Smp ID: DMO-CAL9,364987:2
Inj Date : 09-MAY-2022 16:53
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal9,364987:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 11 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		10708209	2000.00	2010	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.570	2.565	0.005	1218261	200.000	200	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.023	4.017	0.006	949227	200.000	195	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		6584732	2000.00	2020	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		12324573	2000.00	2010	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		6862239	2000.00	2020	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		17292941	4000.00	4030	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		8970491	2000.00	2010	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		8970491	2000.00	2010	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		8005827	2000.00	2030	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		8005827	2000.00	2030	(M)	RNG

QC Flag Legend

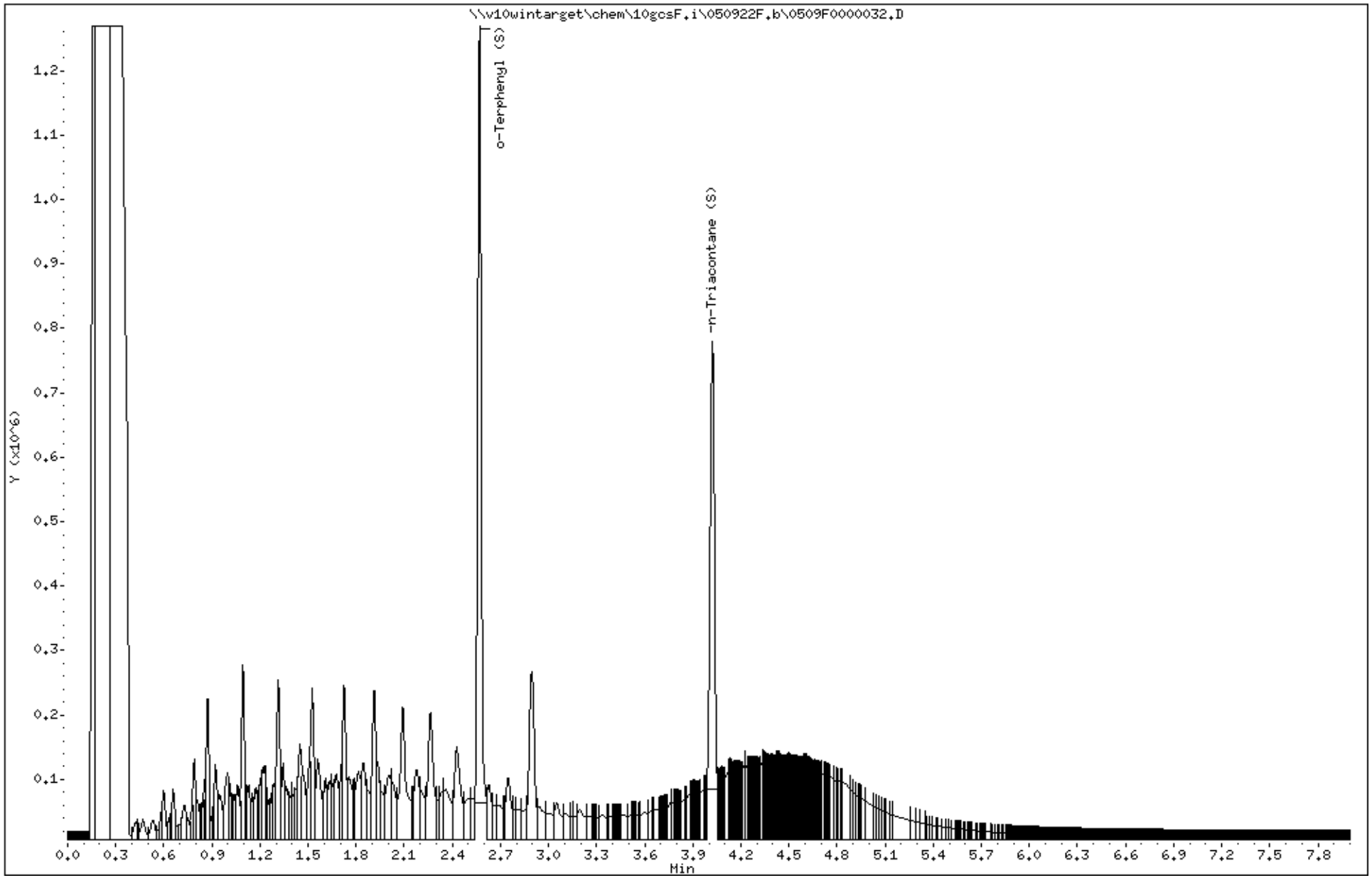
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000032.D
Date : 09-MAY-2022 16:53
Client ID: DMO-CAL9,364987:2
Sample Info: DMO-CAL9,364987:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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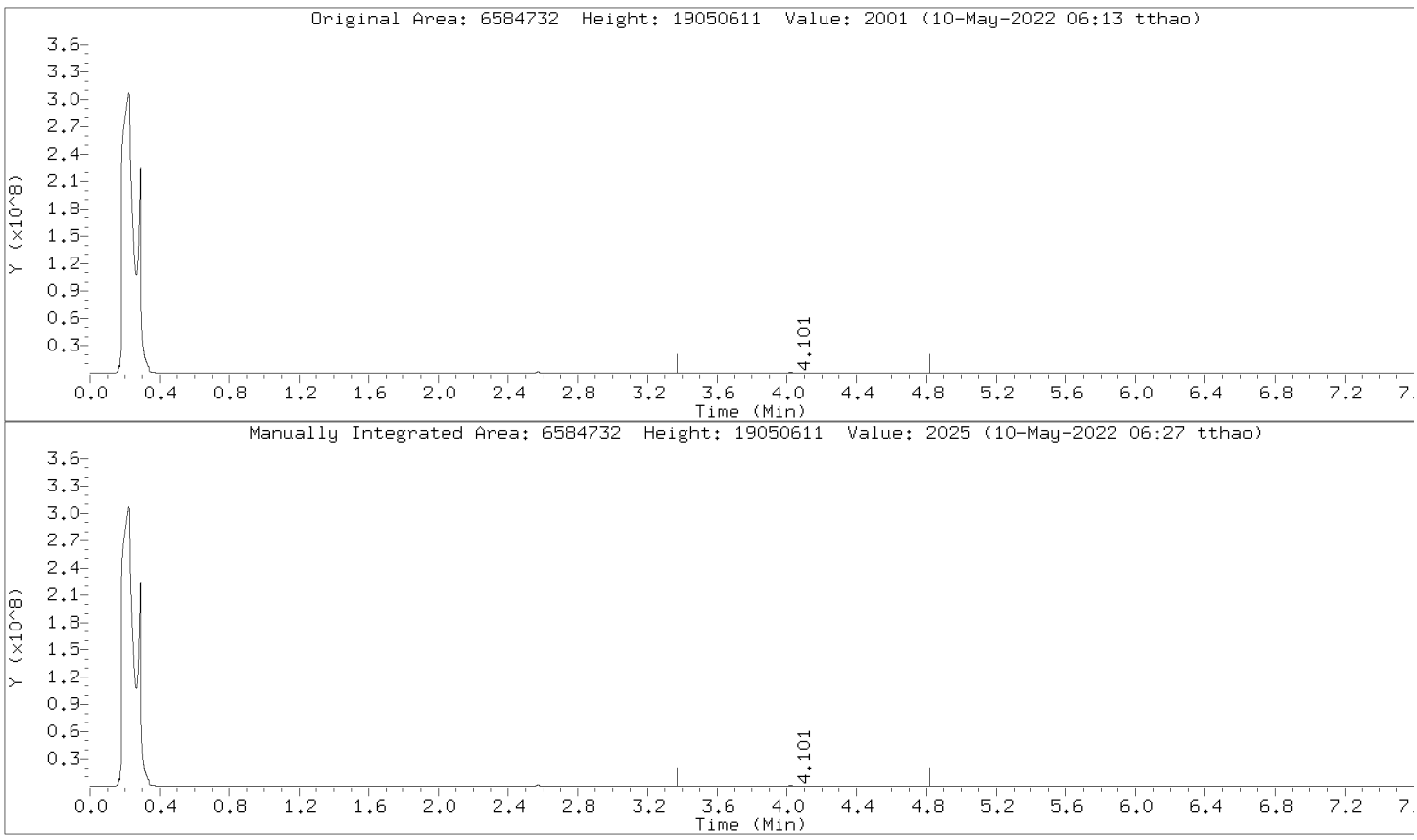
143 of 710
10606560

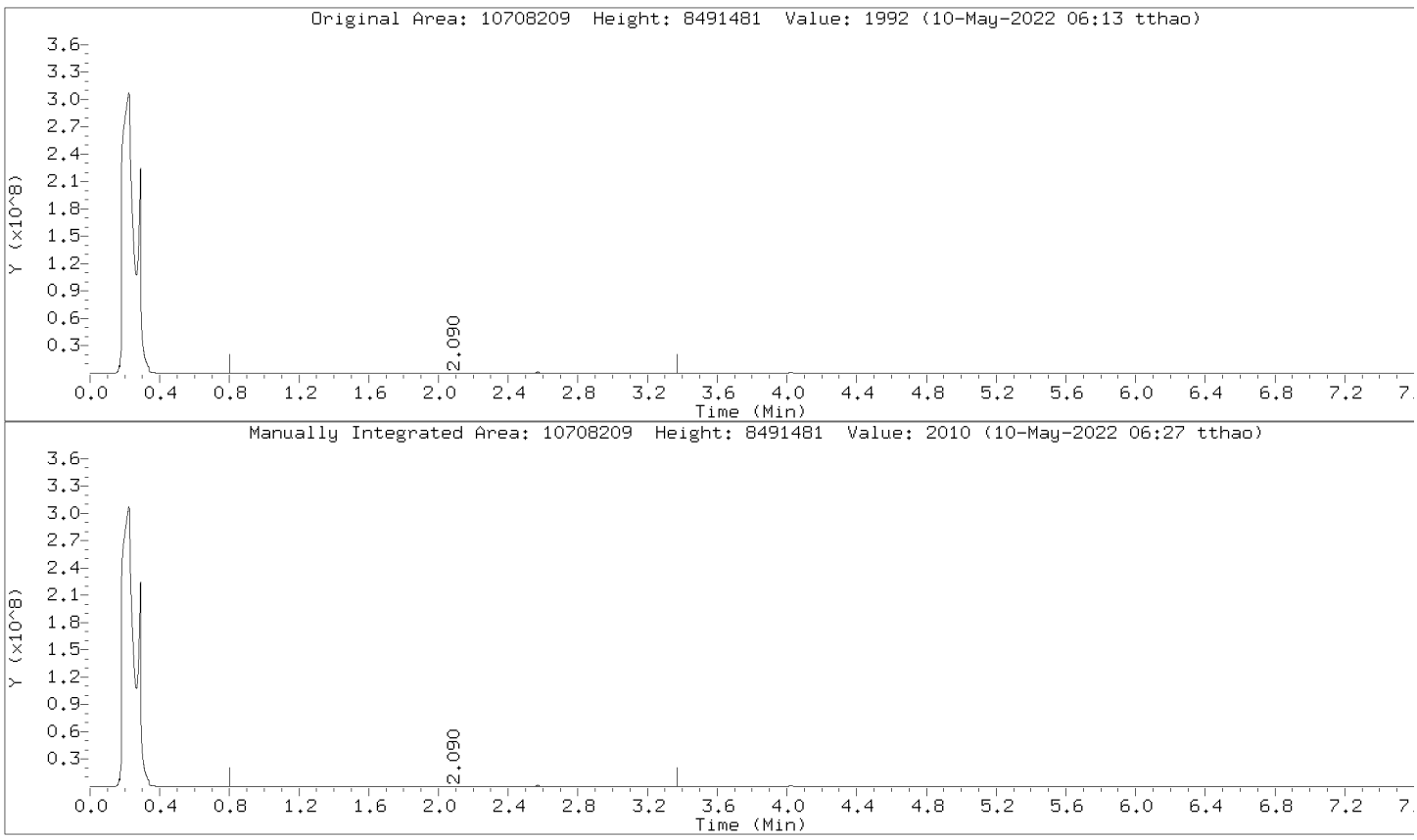
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



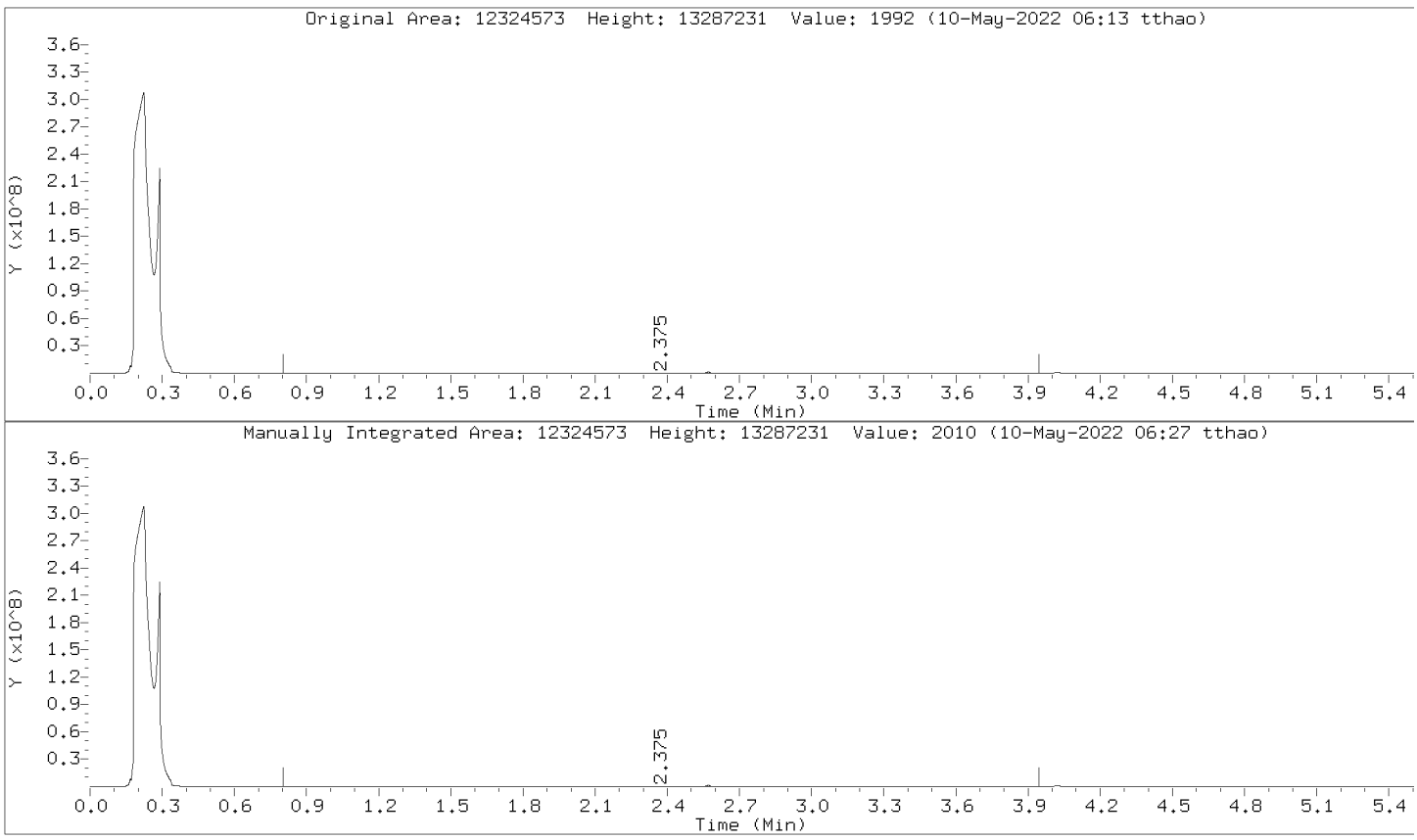
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



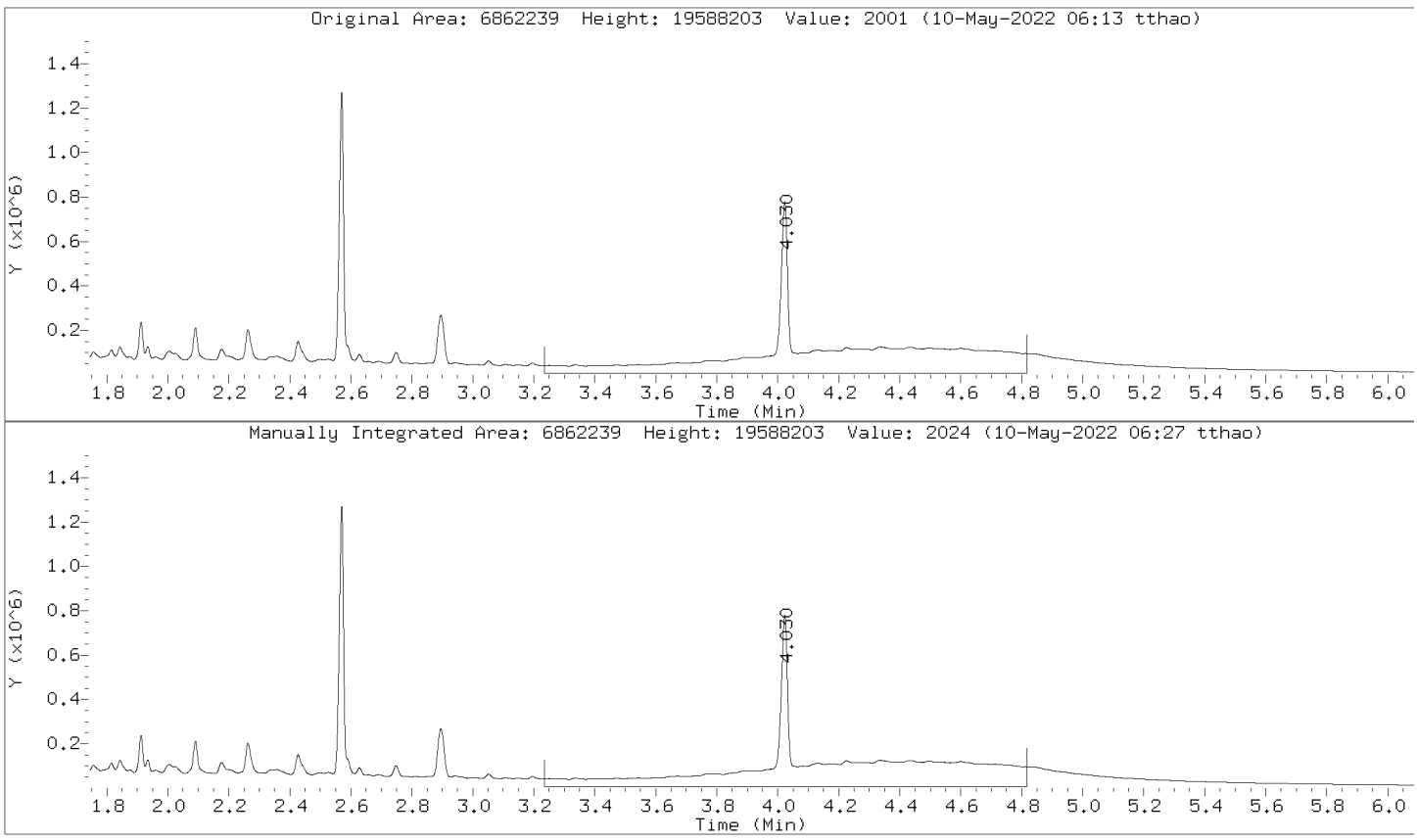
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



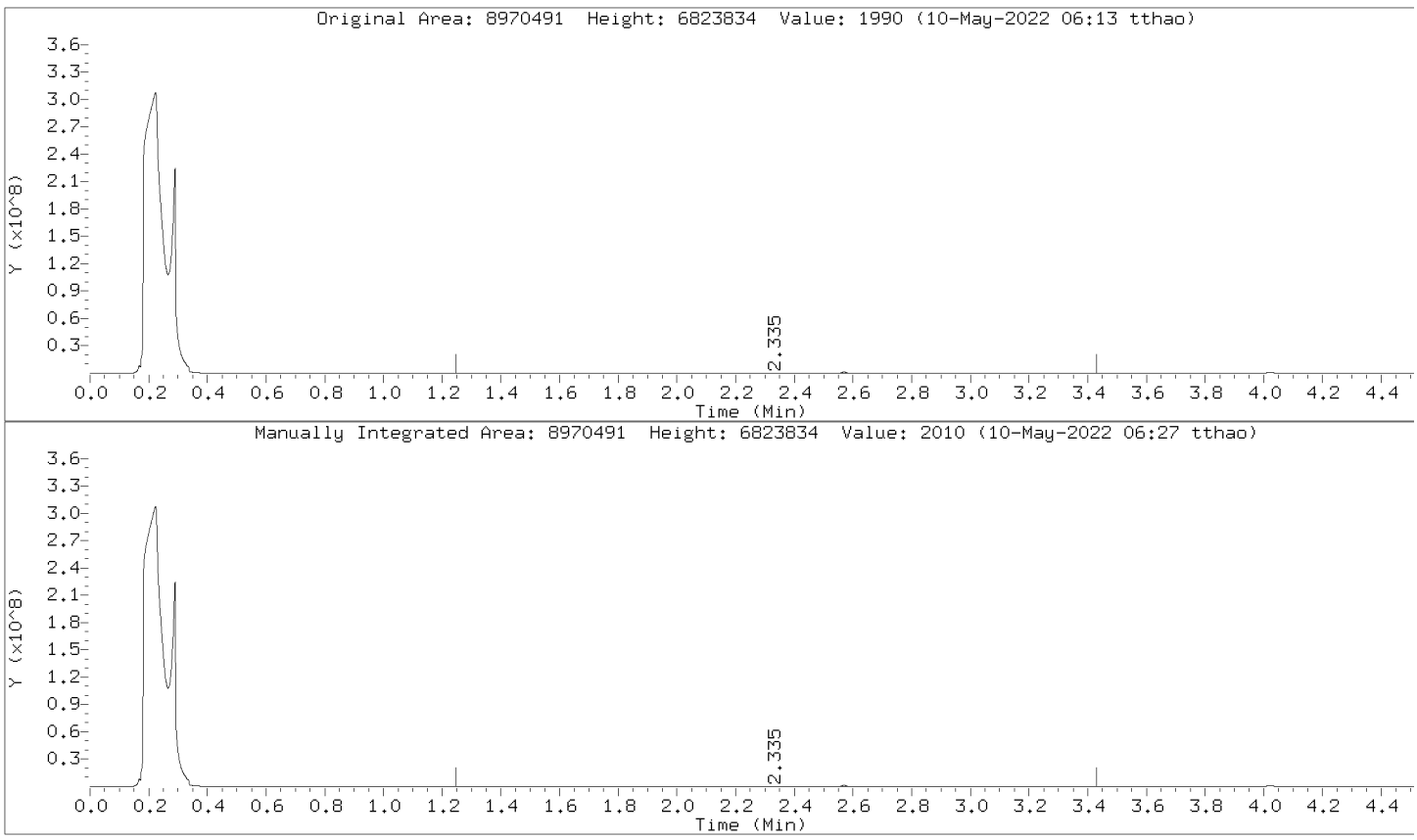
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



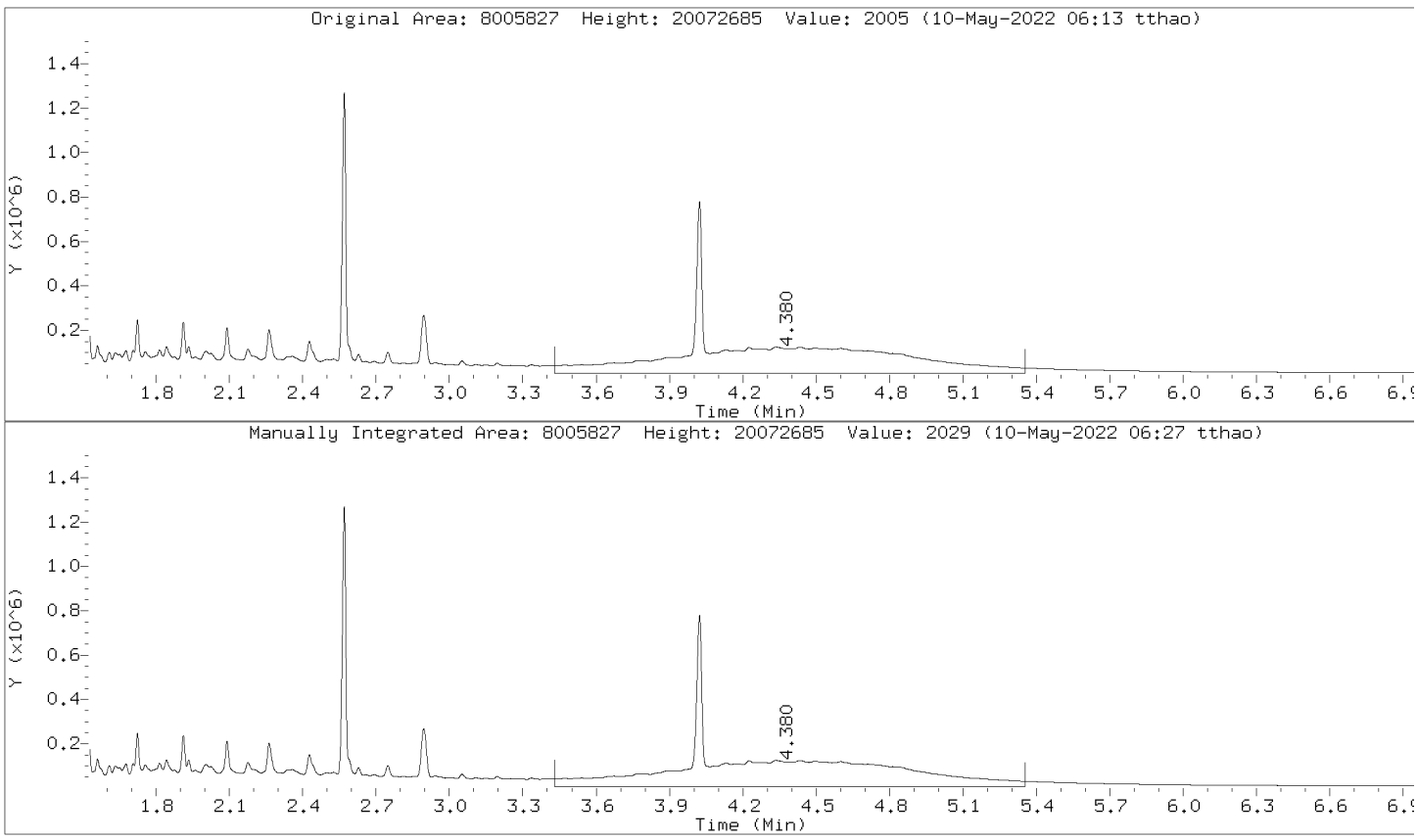
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



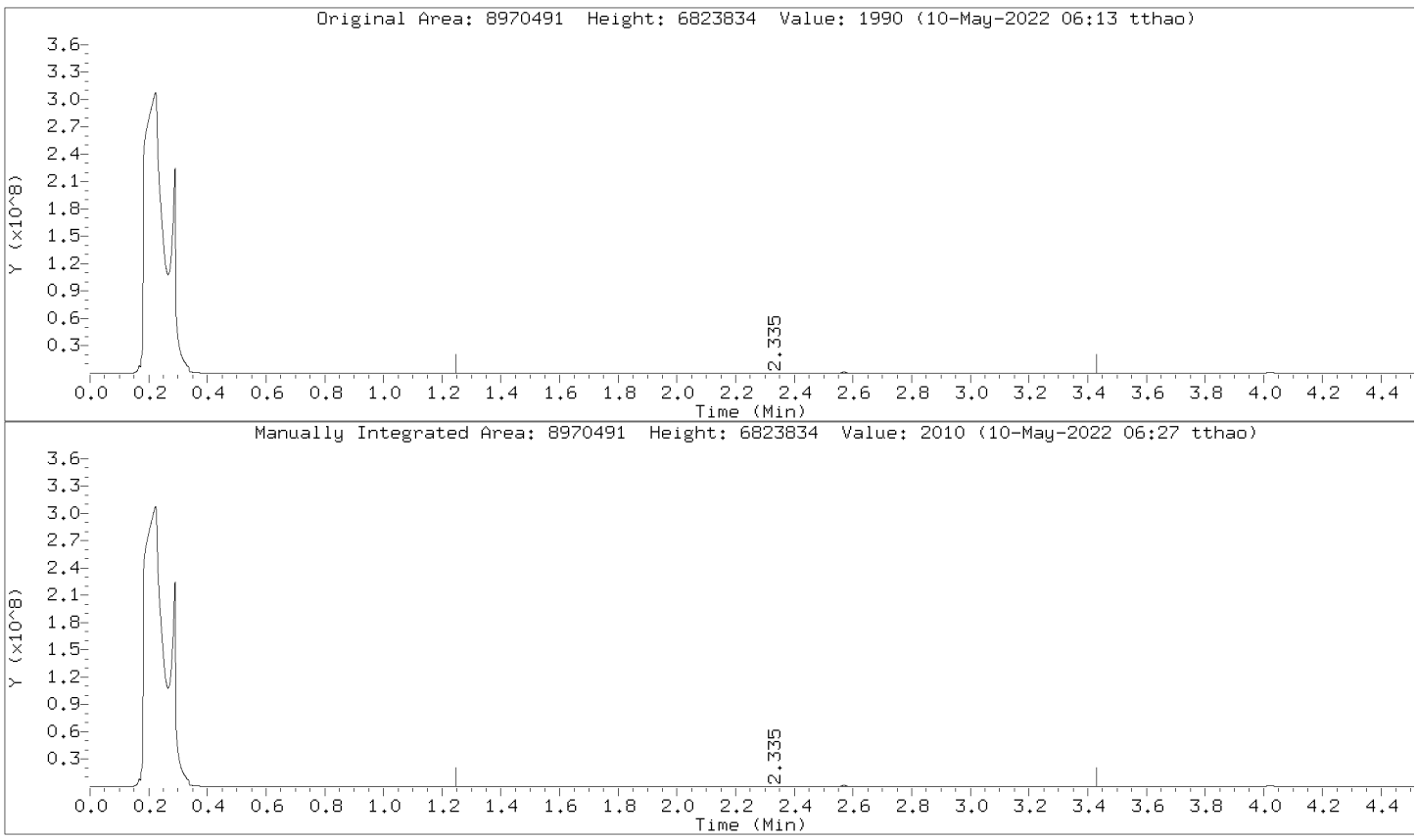
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



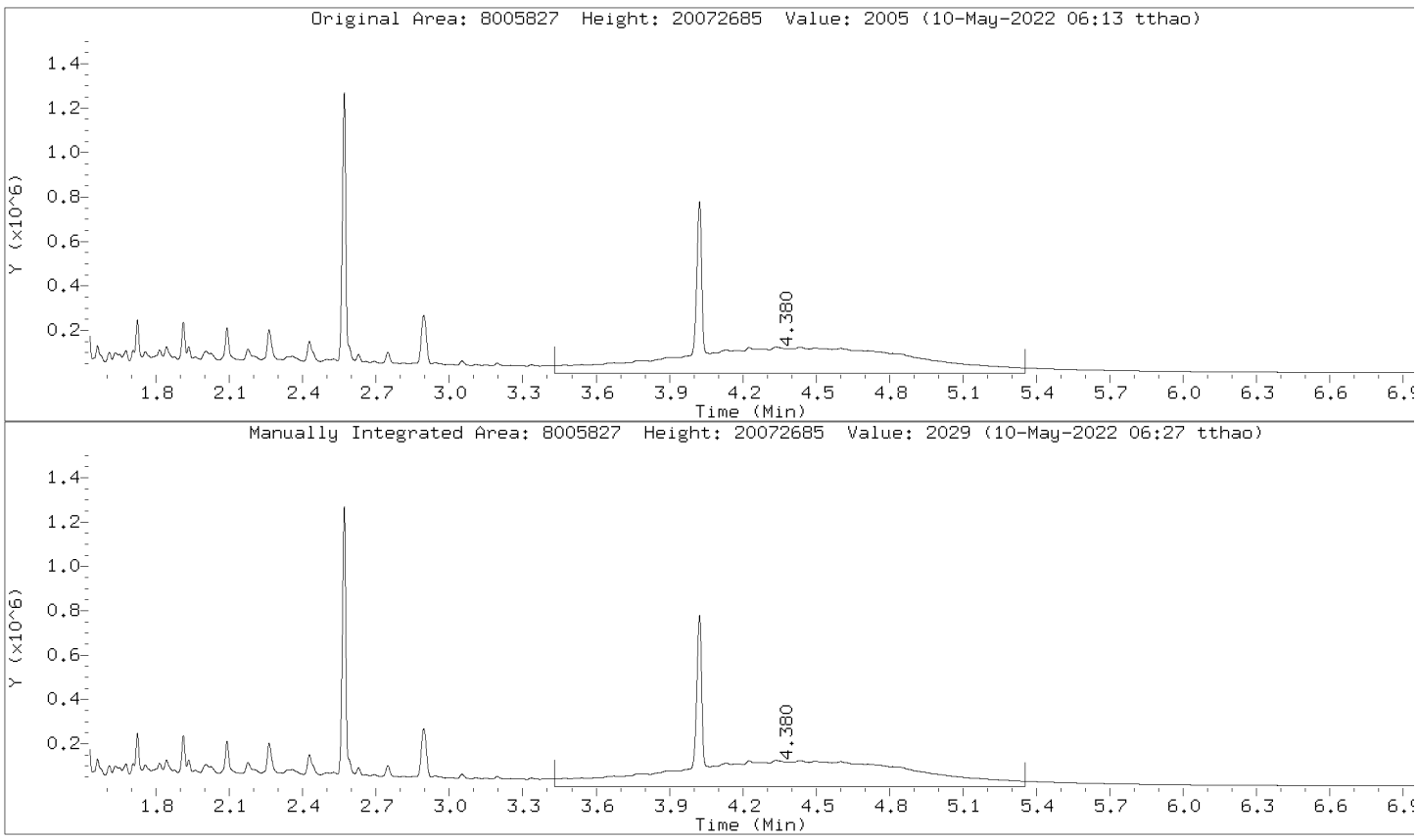
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



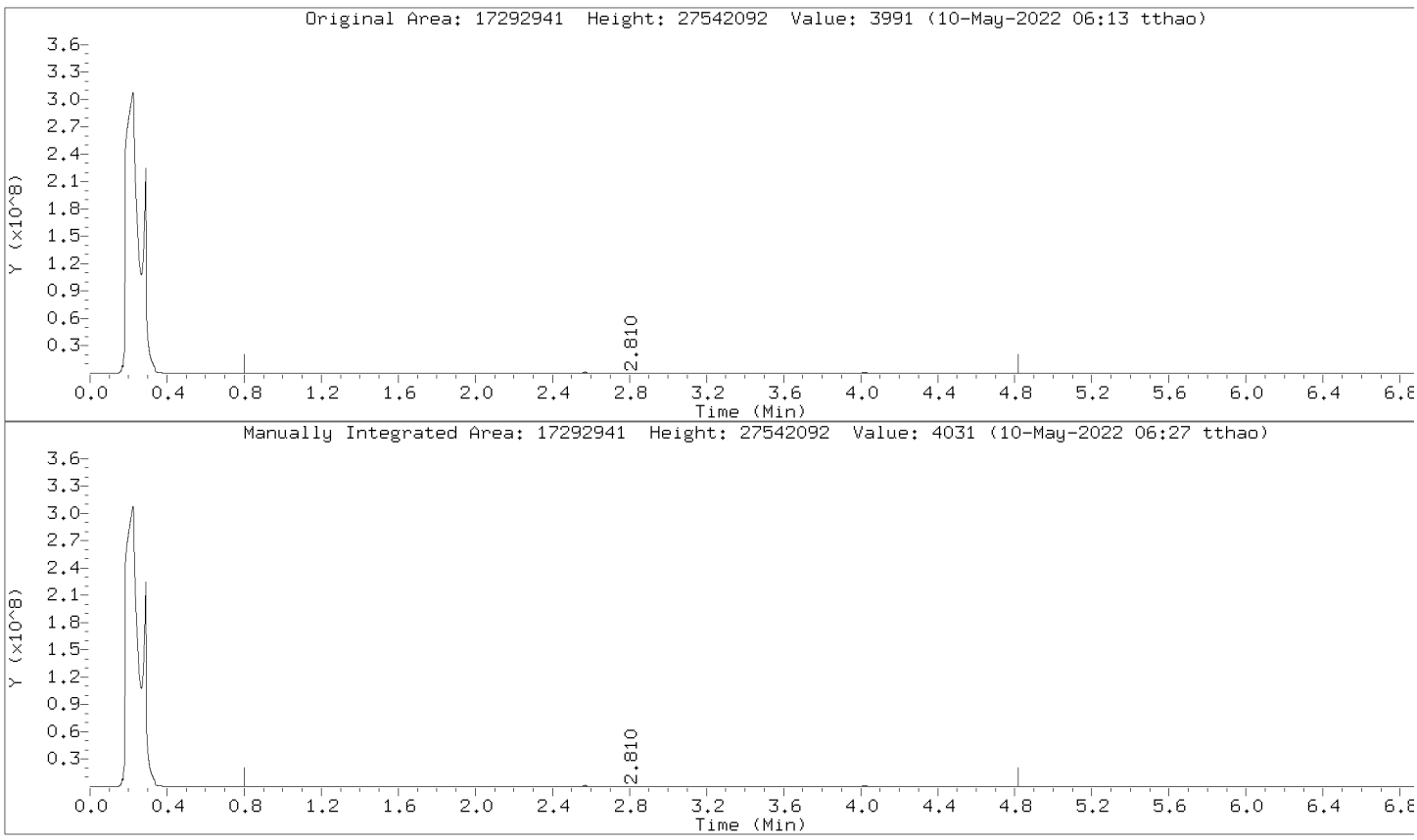
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



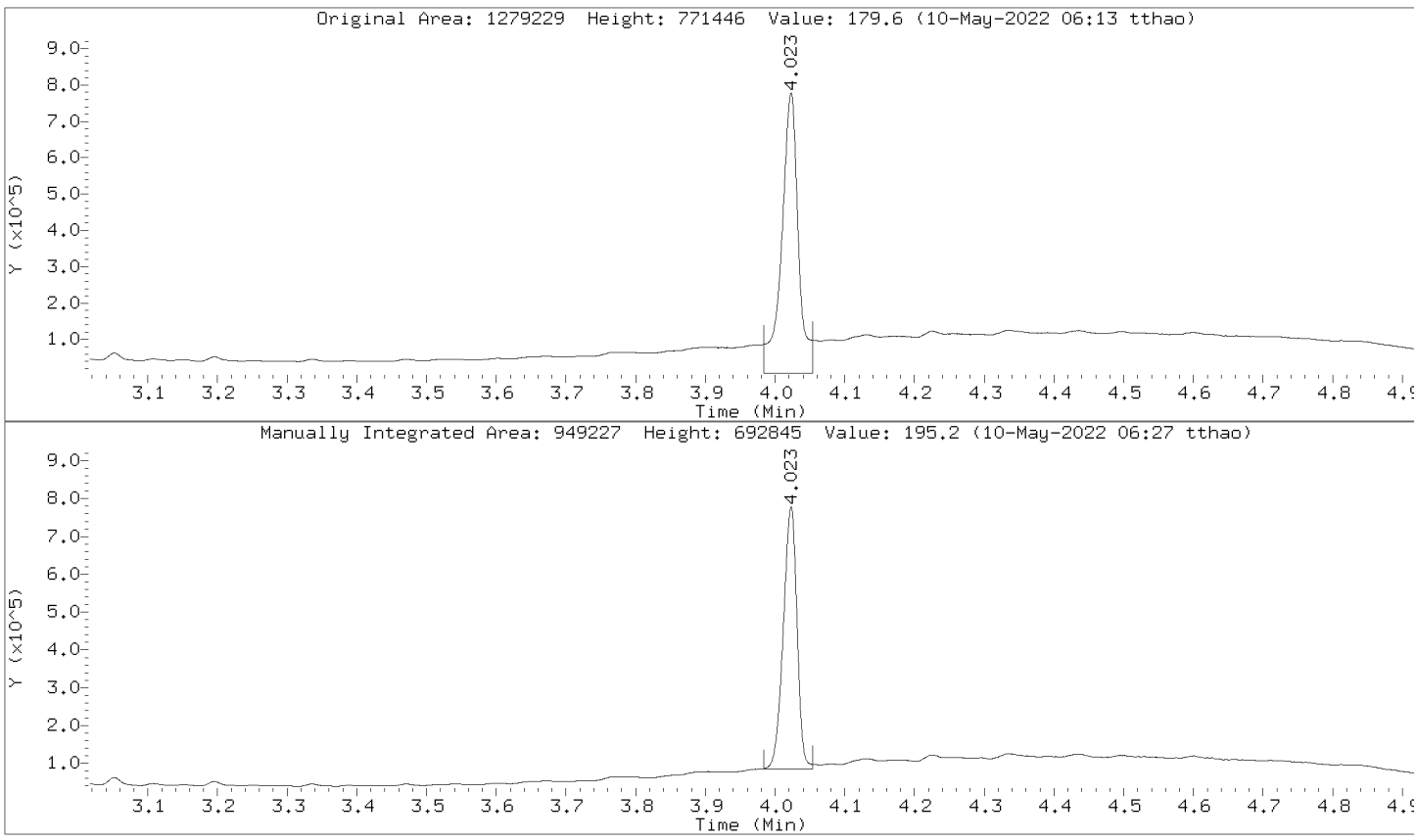
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: C10-C36 Review Code: RNG
CAS Number:



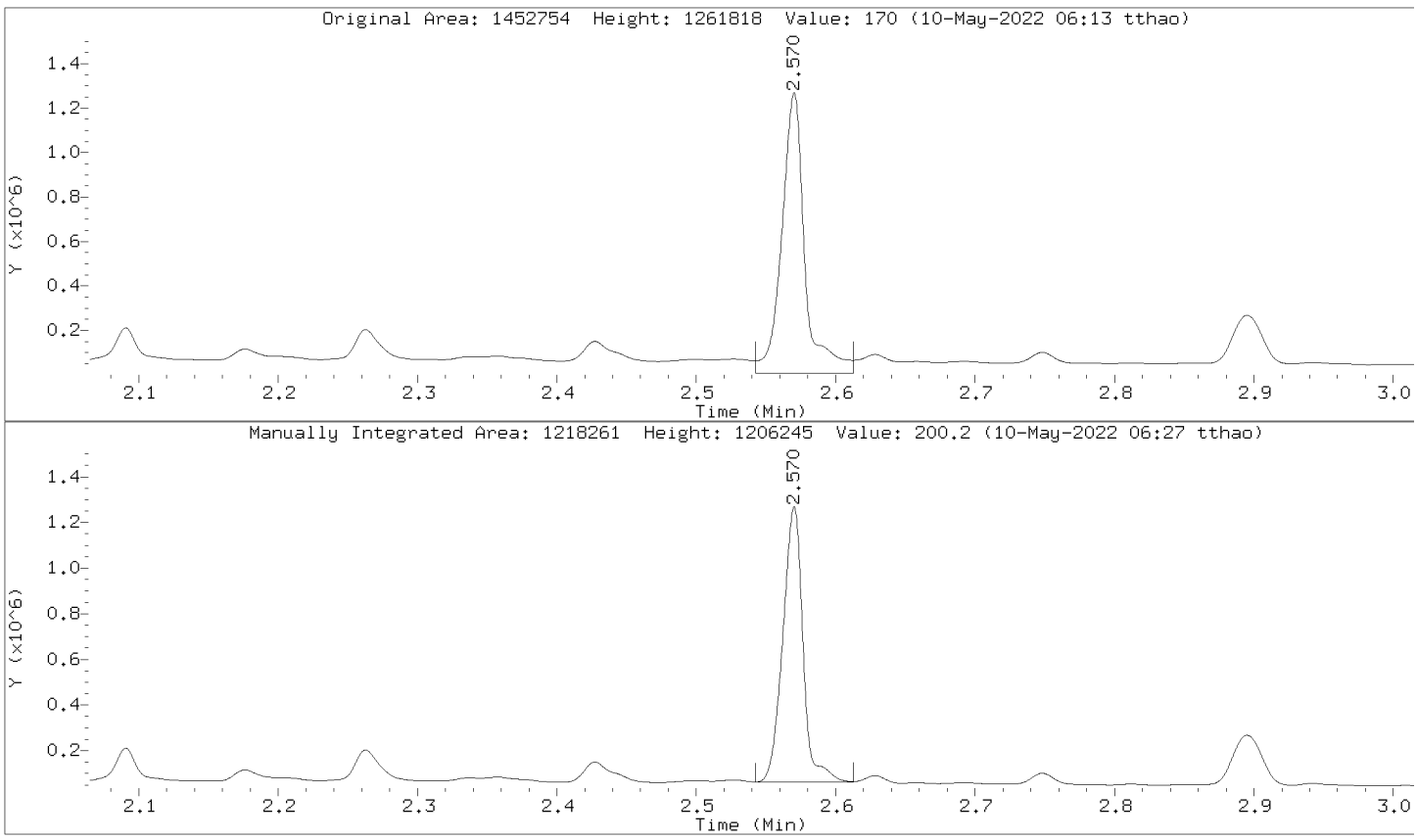
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	6584732	6584732
DRO by AK 102	10708209	10708209
TPH-DRO (C10-C28)	12324573	12324573
Motor Oil Range (C24-C36)	6862239	6862239
Diesel Fuel Range	8970491	8970491
Motor Oil Range	8005827	8005827
Diesel Fuel Range SG	8970491	8970491
Motor Oil Range SG	8005827	8005827
C10-C36	17292941	17292941
n-Triacontane (S)	1279229	949227
o-Terphenyl (S)	1452754	1218261

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000033.D
Lab Smp Id: DMO-CAL10,364988:2 Client Smp ID: DMO-CAL10,364988:2
Inj Date : 09-MAY-2022 17:04
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal10,364988:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 12 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		20961677	4000.00	3990	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.576	2.565	0.011	2430969	400.000	399	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.030	4.017	0.013	1891444	400.000	389	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		12872009	4000.00	3990	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		24147947	4000.00	3990	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		13410309	4000.00	3990	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		33833686	8000.00	7980	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		17540429	4000.00	3990	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		17540429	4000.00	3990	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		15615349	4000.00	3980	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		15615349	4000.00	3980	(M)	RNG

QC Flag Legend

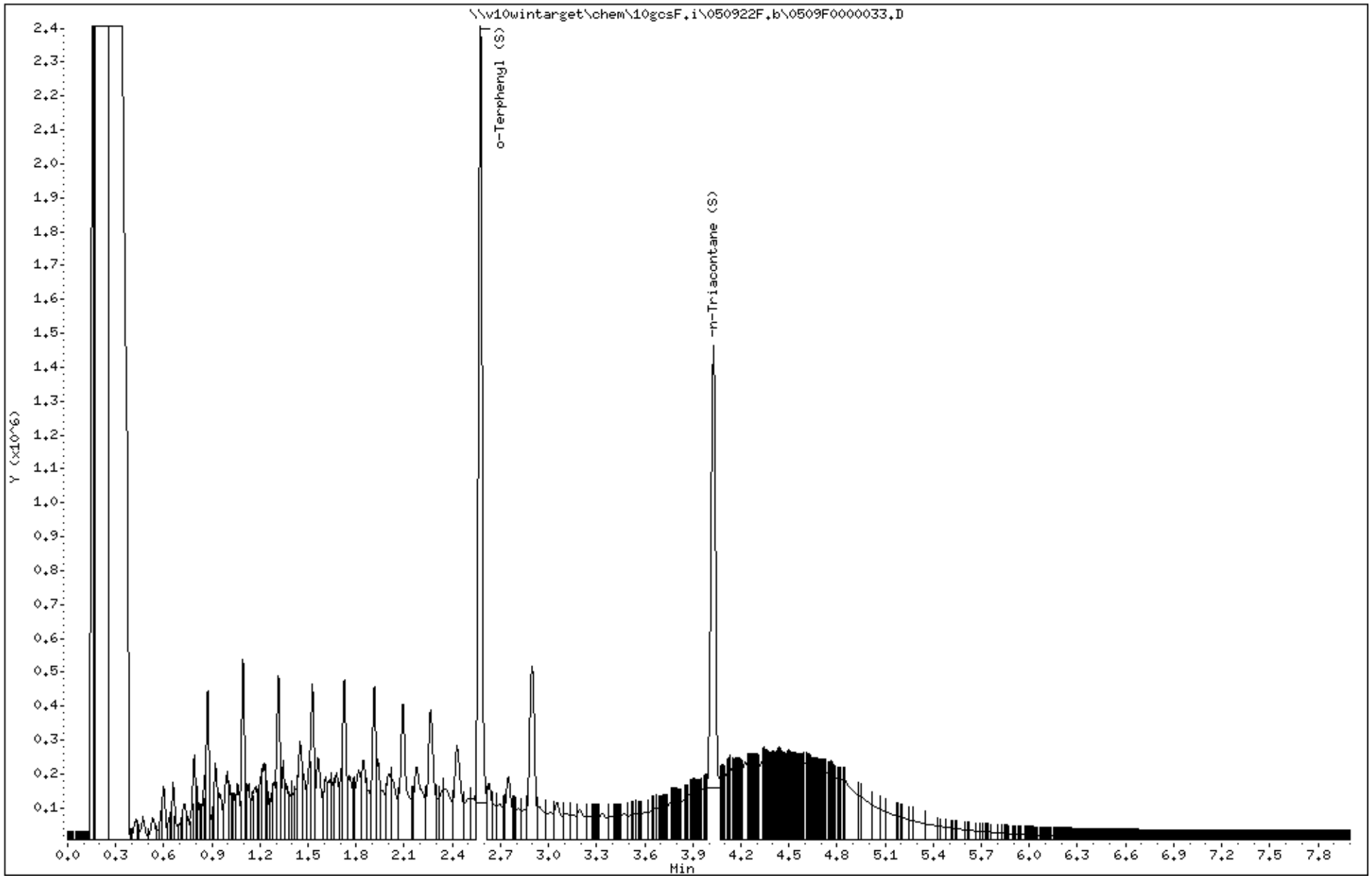
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000033.D
Date : 09-MAY-2022 17:04
Client ID: DMO-CAL10,364988:2
Sample Info: DMO-CAL10,364988:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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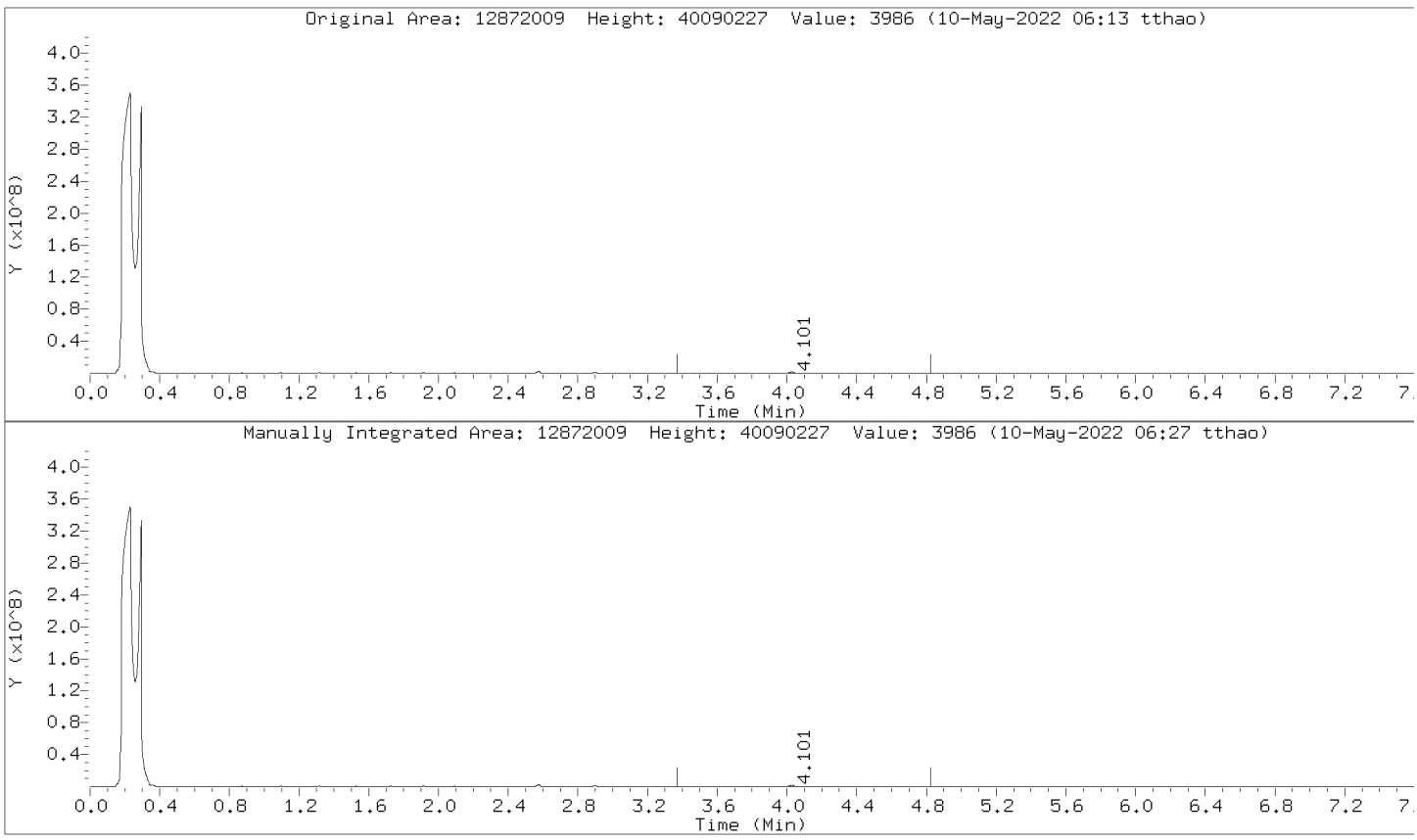
157 of 710
10606560

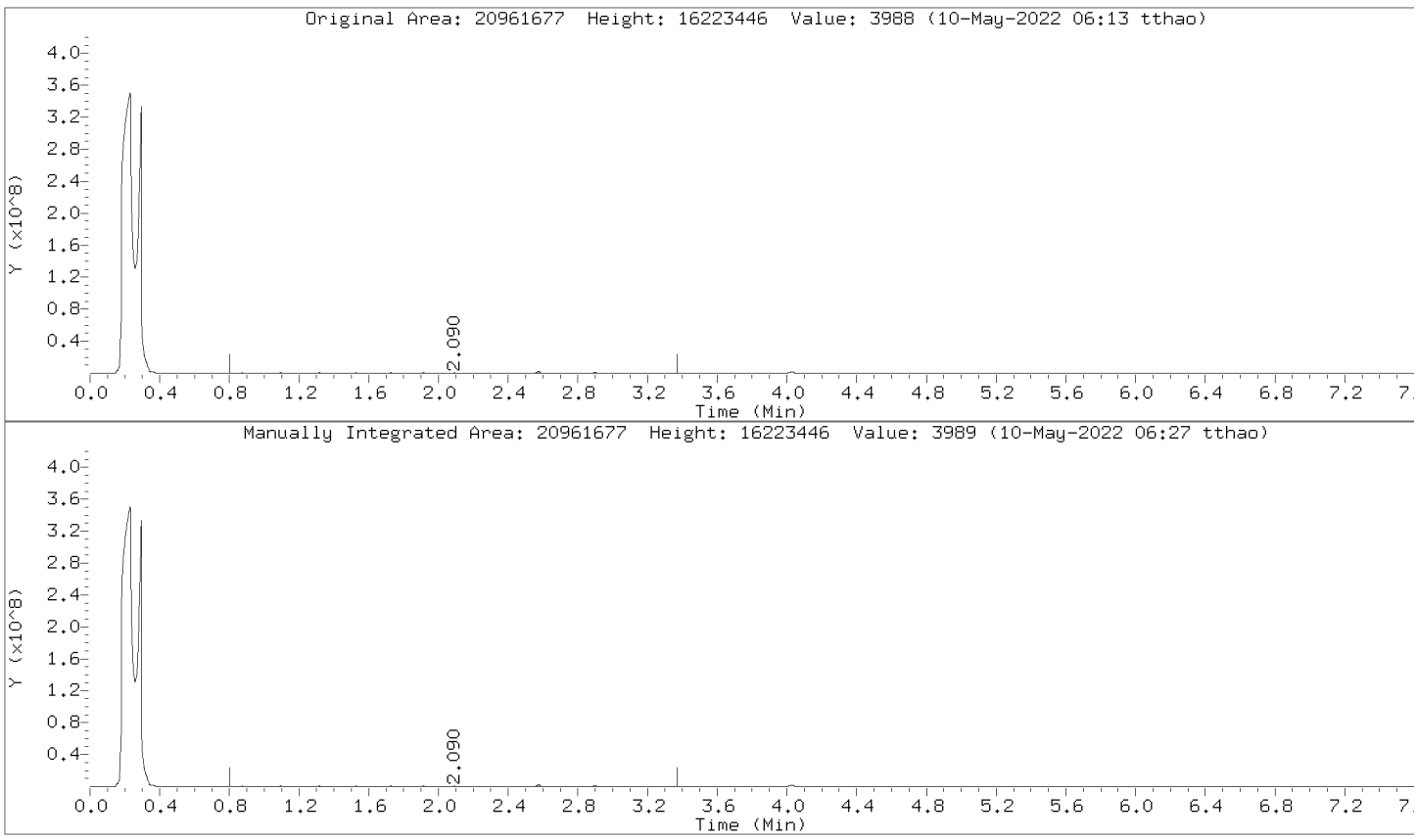
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



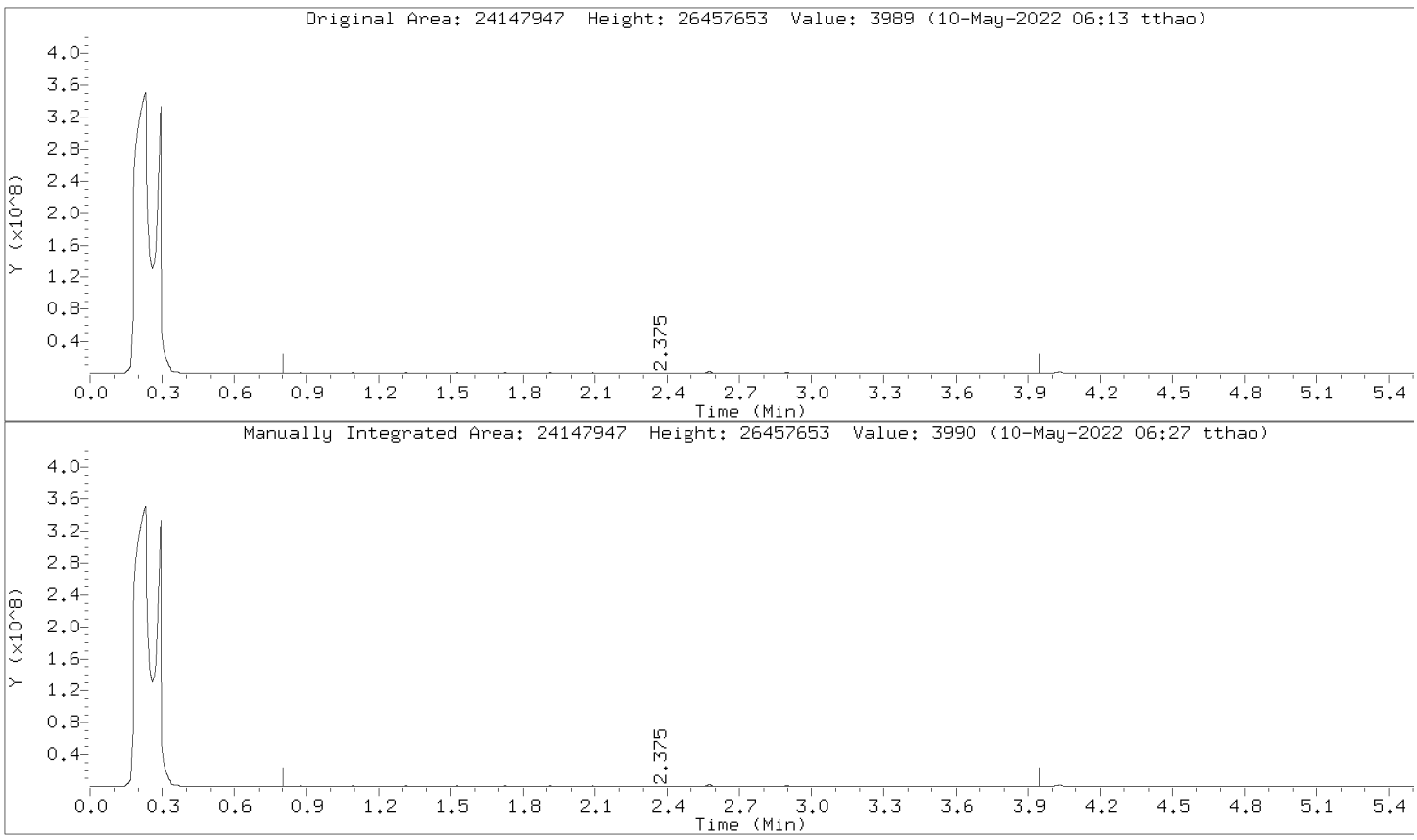
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



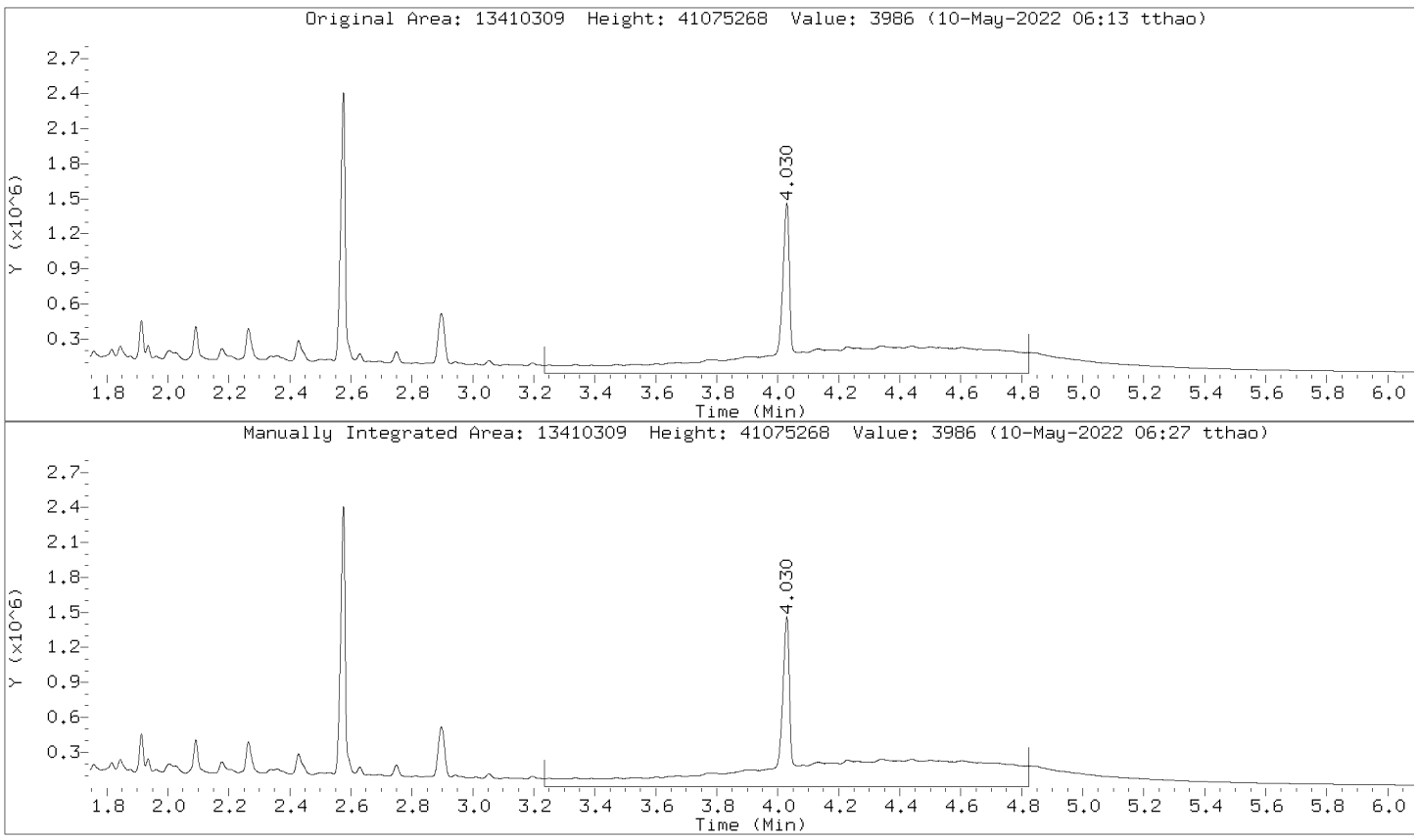
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



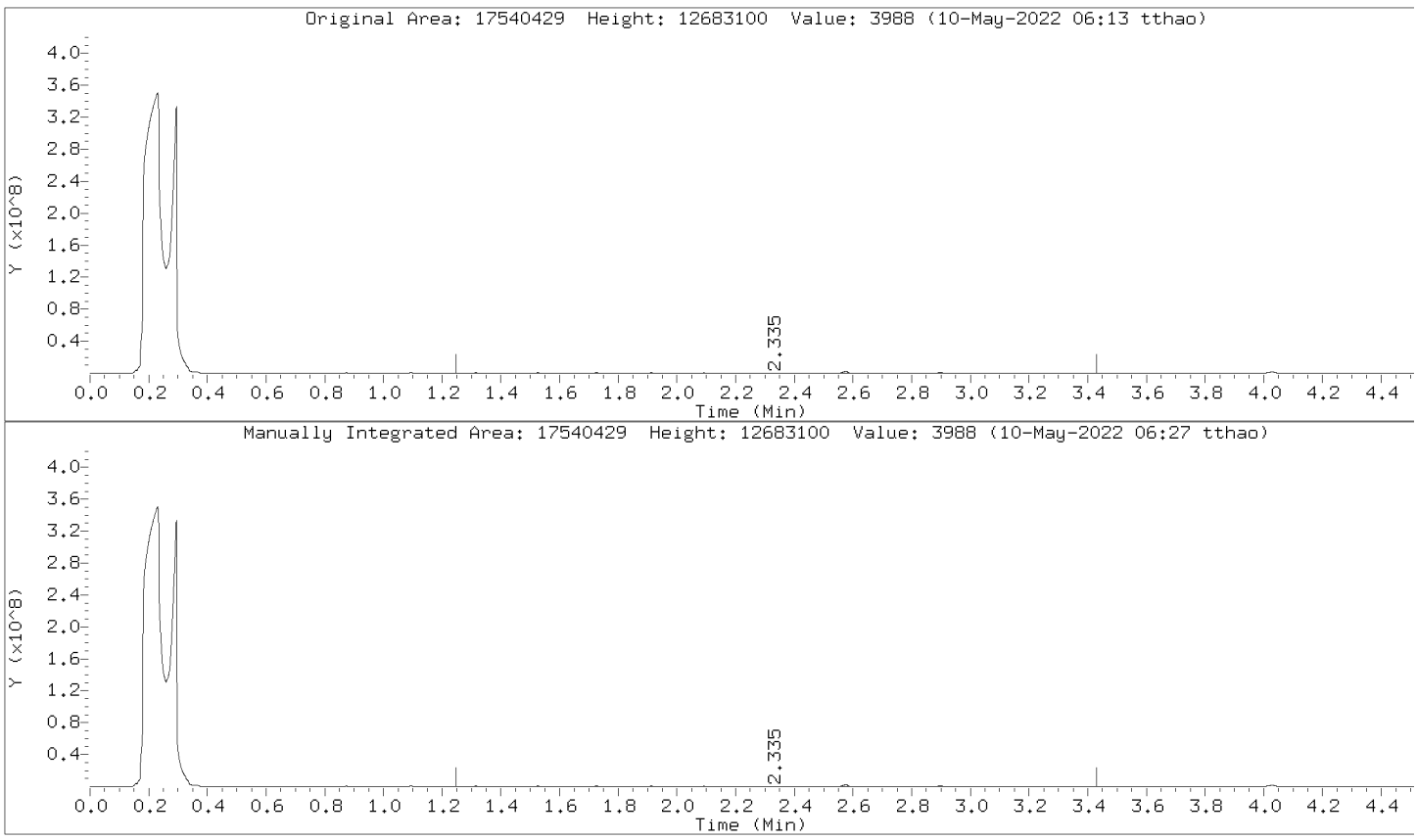
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



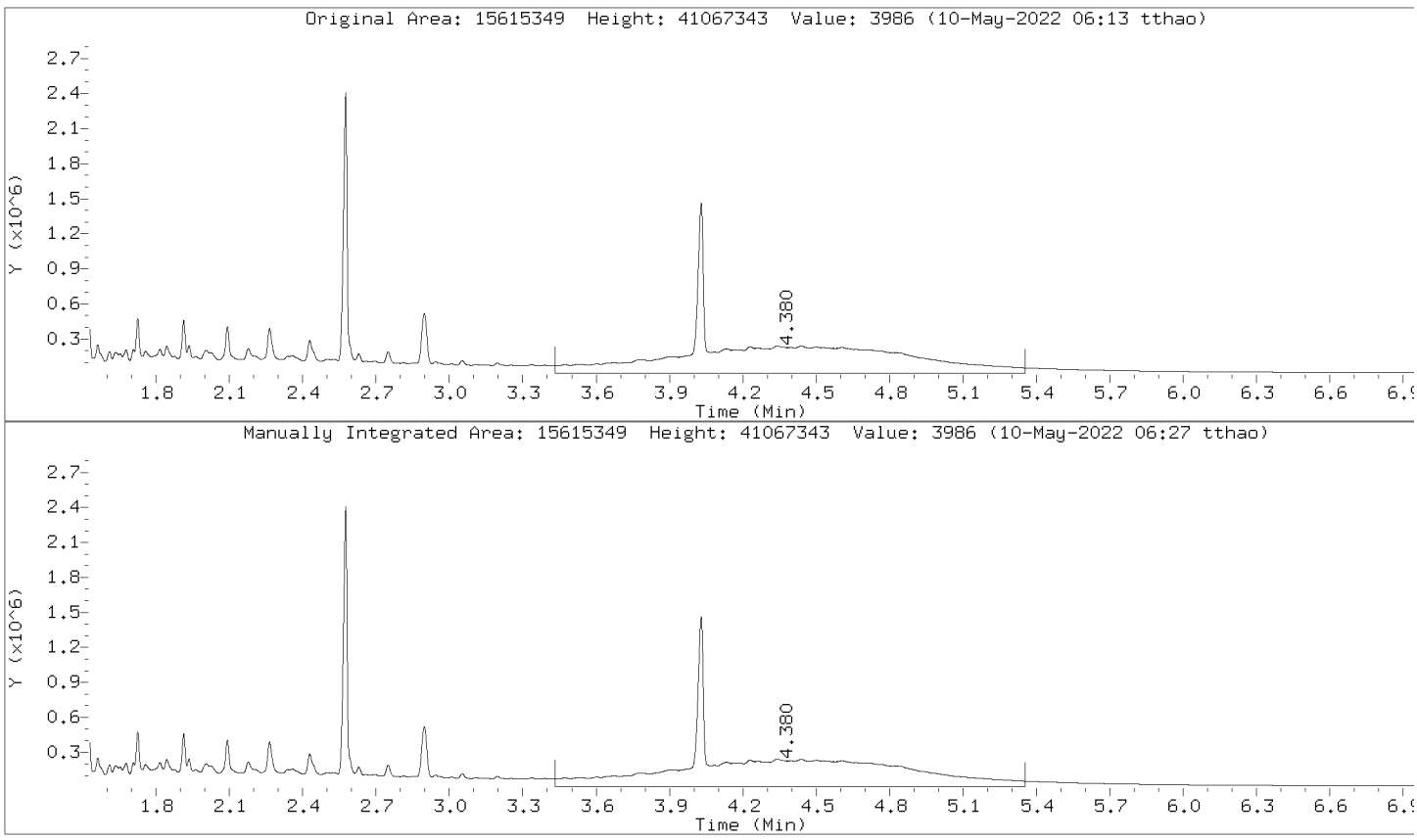
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



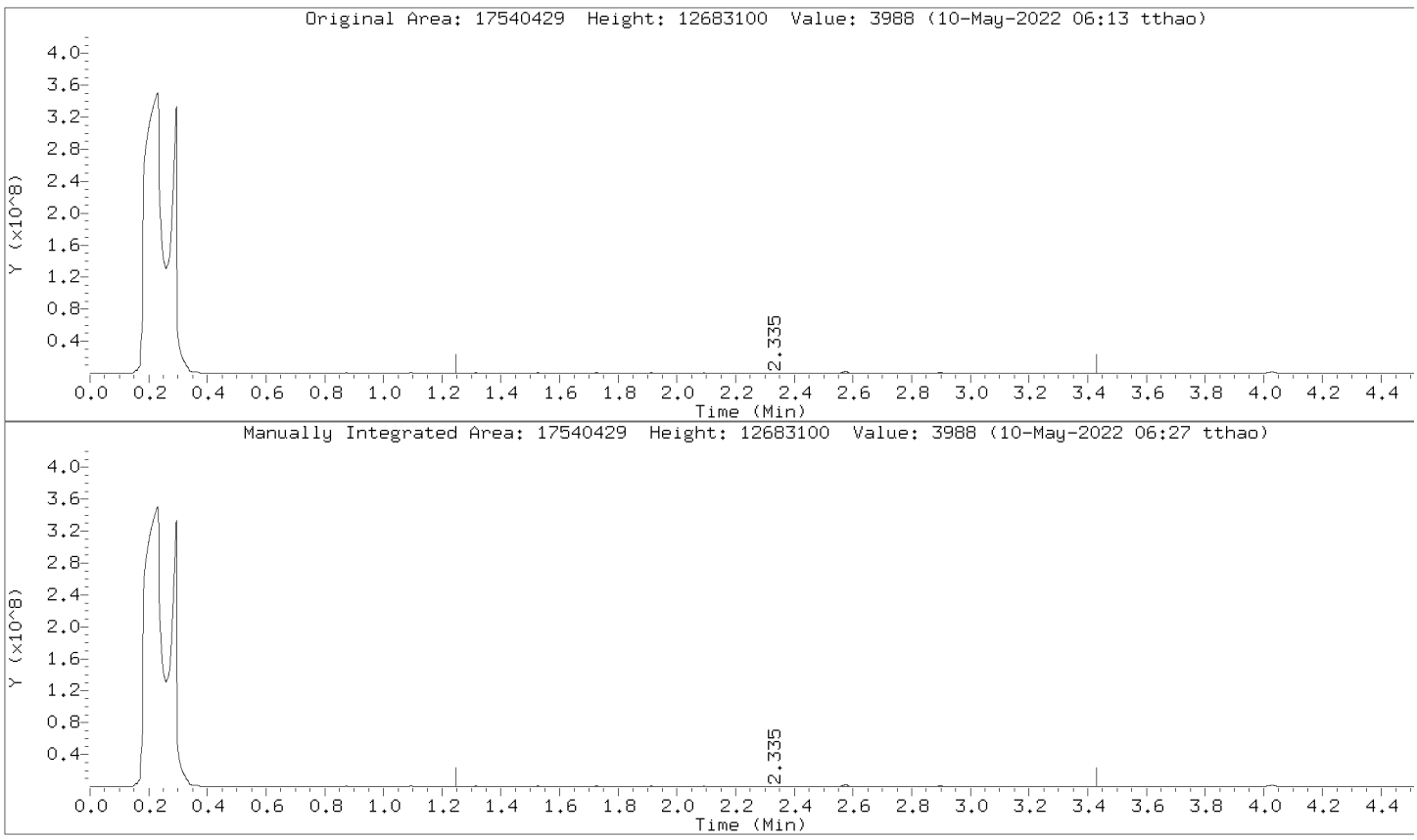
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



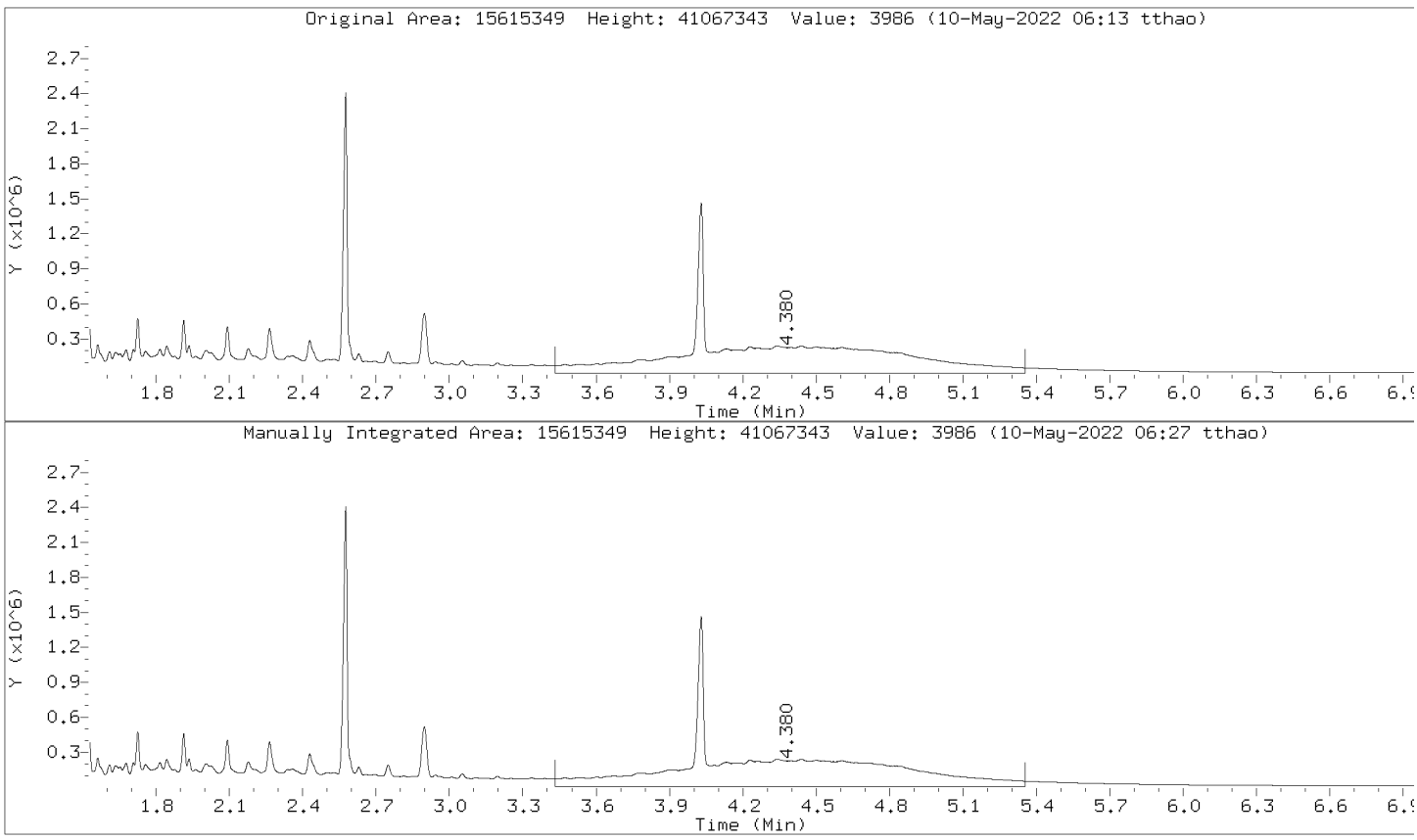
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



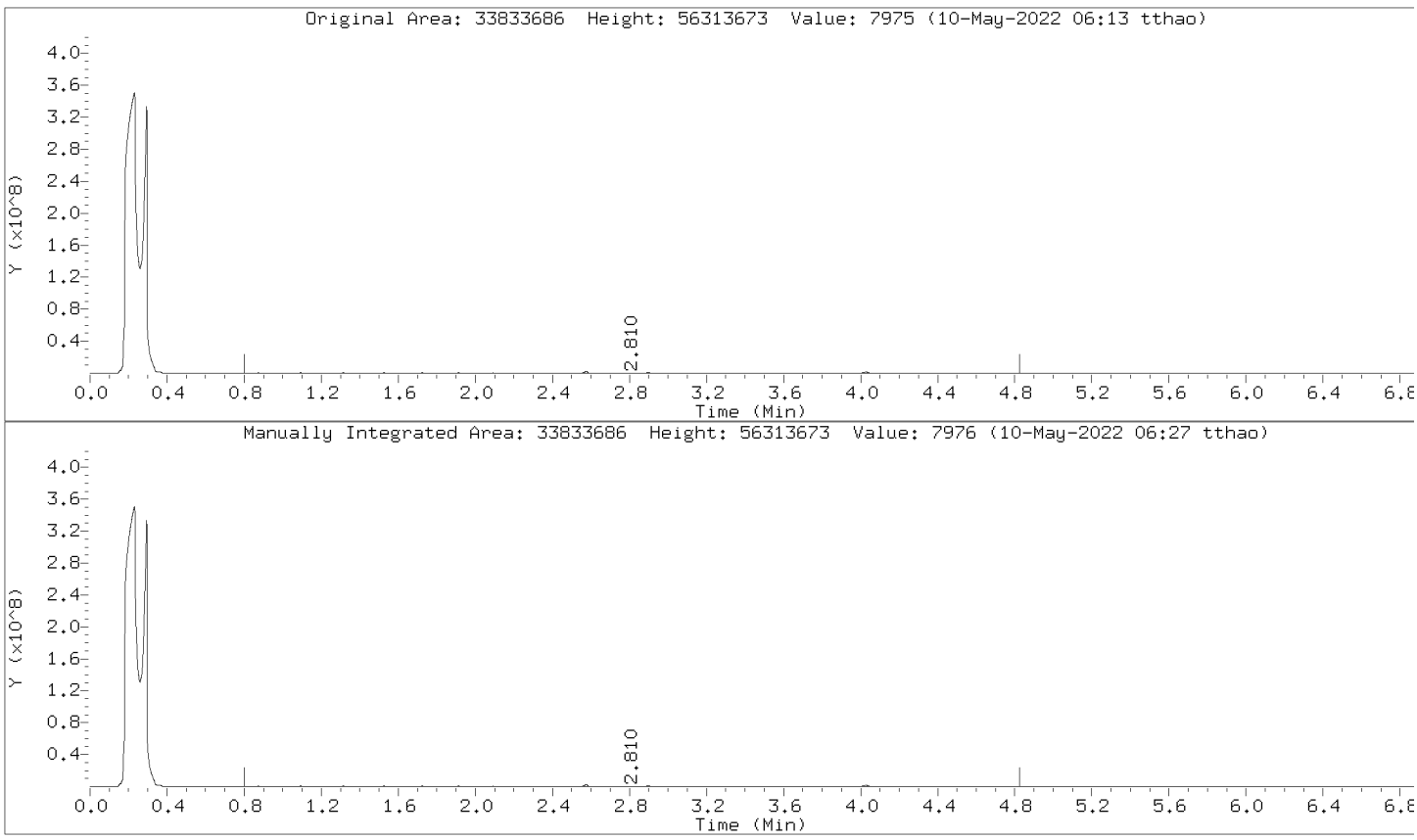
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



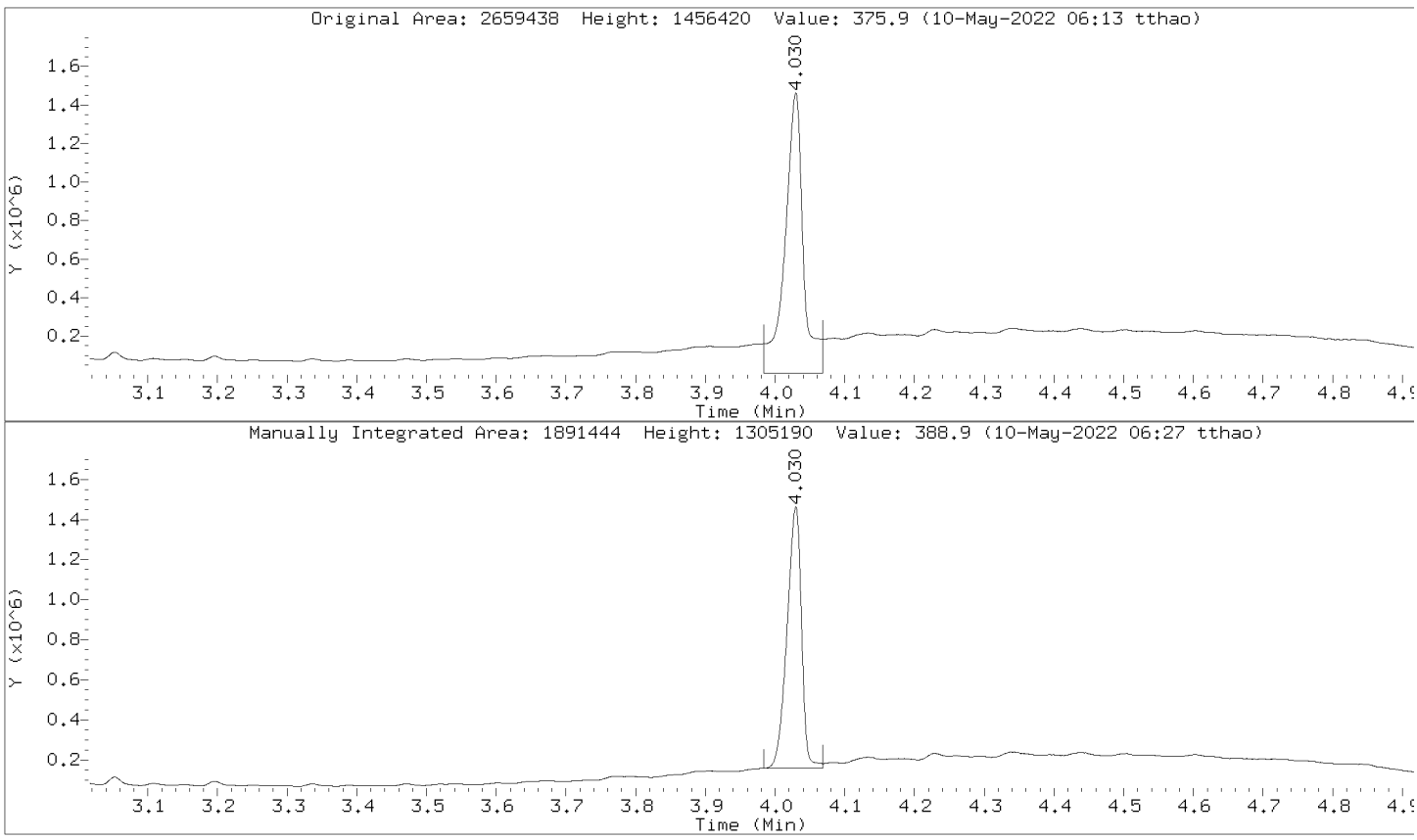
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: C10-C36 Review Code: RNG
CAS Number:



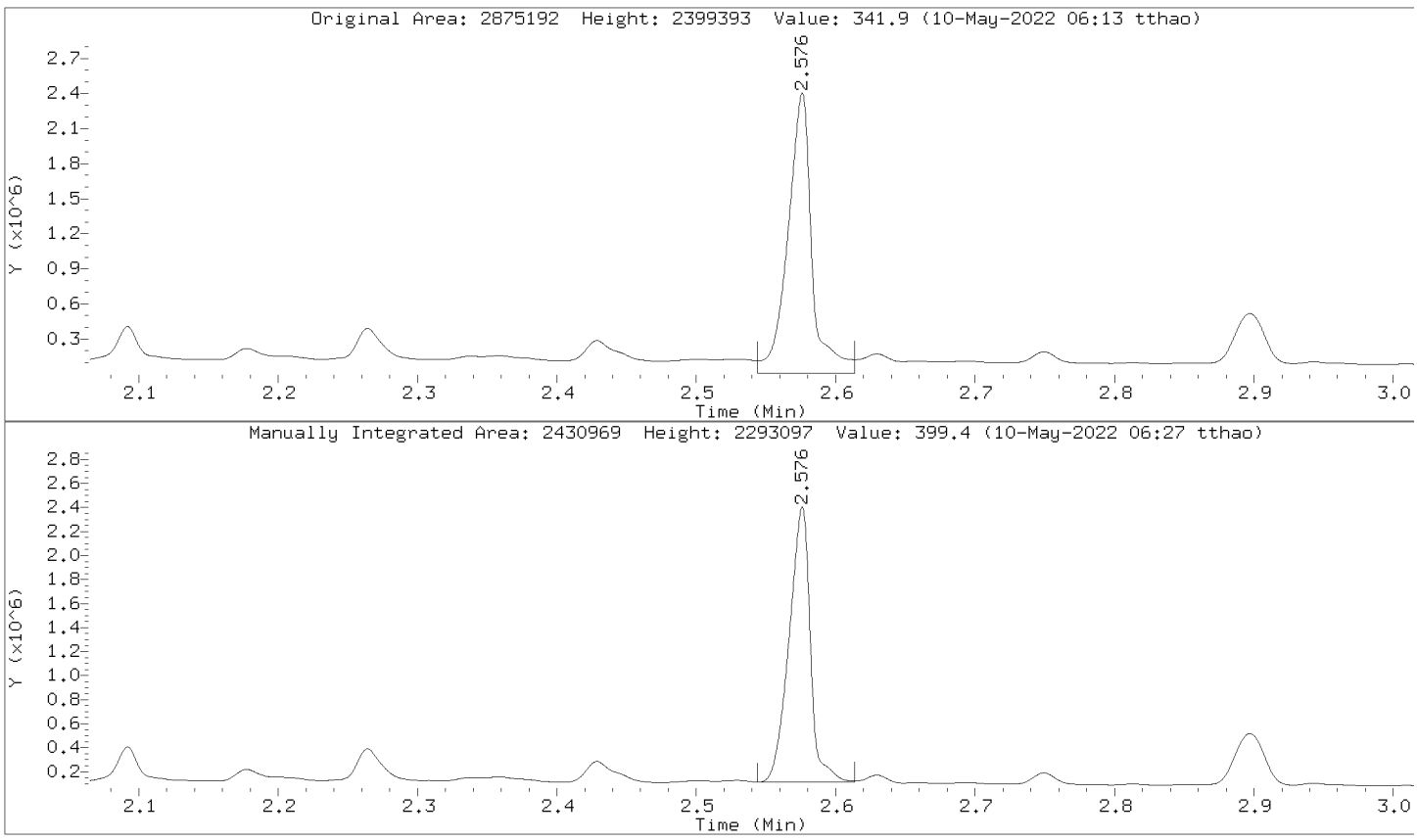
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	12872009	12872009
DRO by AK 102	20961677	20961677
TPH-DRO (C10-C28)	24147947	24147947
Motor Oil Range (C24-C36)	13410309	13410309
Diesel Fuel Range	17540429	17540429
Motor Oil Range	15615349	15615349
Diesel Fuel Range SG	17540429	17540429
Motor Oil Range SG	15615349	15615349
C10-C36	33833686	33833686
n-Triacontane (S)	2659438	1891444
o-Terphenyl (S)	2875192	2430969

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000036.D
Lab Smp Id: PBLK,363301:2 Client Smp ID: PBLK,363301:2
Inj Date : 09-MAY-2022 17:39
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : pblk,363301:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10SVOA-TT

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800 - 3.380			255294			(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.564	2.565	-0.001	281232	46.2124	46.2	(RM)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.016	4.017	-0.001	232021	47.7100	47.7	(RM)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381 - 4.820			80663			(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800 - 3.950			288169			(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240 - 4.820			90995			(M)	RNG
S 7 C10-C36					CAS #:		
0.800 - 4.820			335957			(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240 - 3.430			231816			(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240 - 3.430			231816			(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431 - 5.330			106438			(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431 - 5.330			106438			(M)	RNG

QC Flag Legend

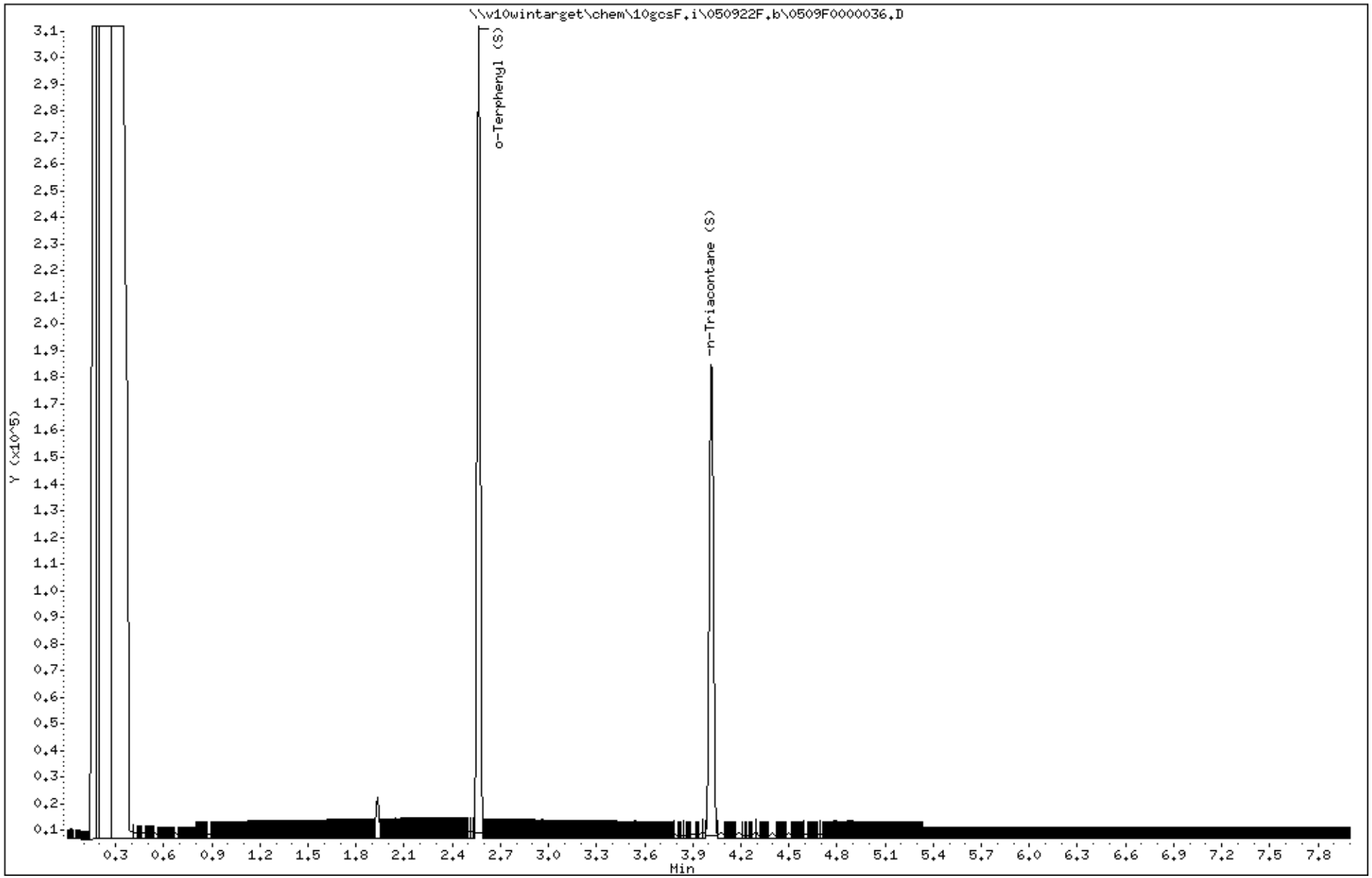
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000036.D
Date : 09-MAY-2022 17:39
Client ID: PBLK,363301:2
Sample Info: PBLK,363301:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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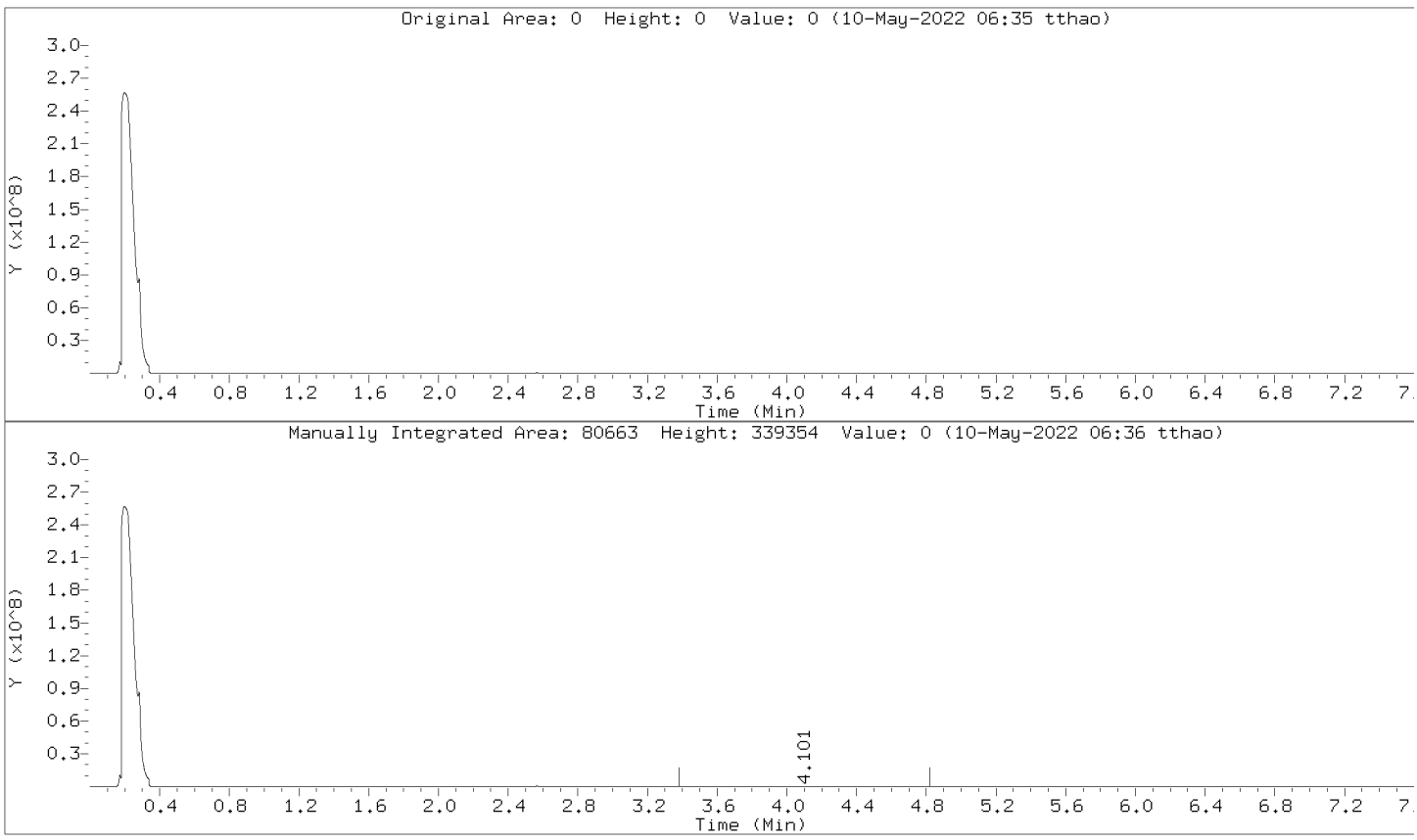
171 of 710
10606560

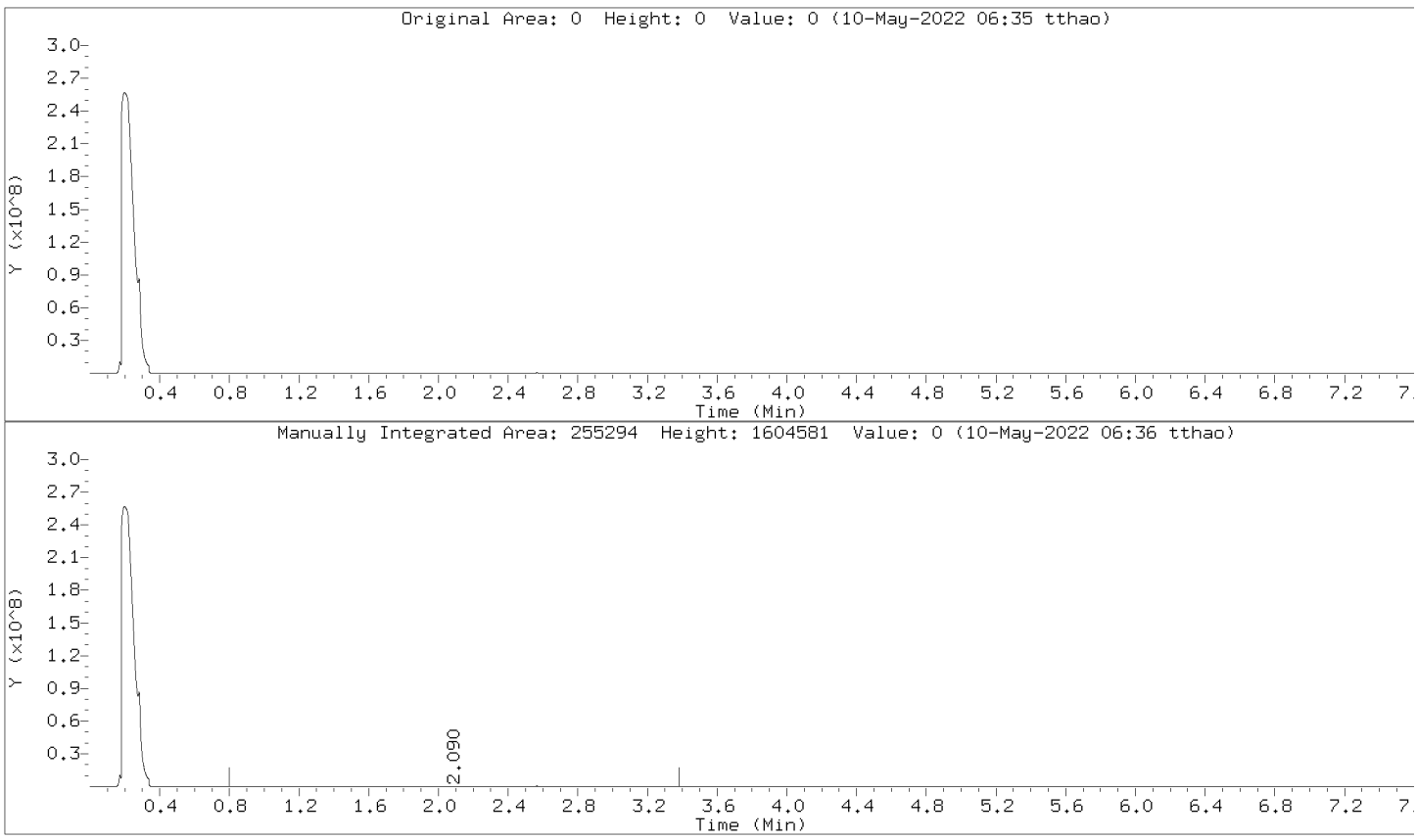
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



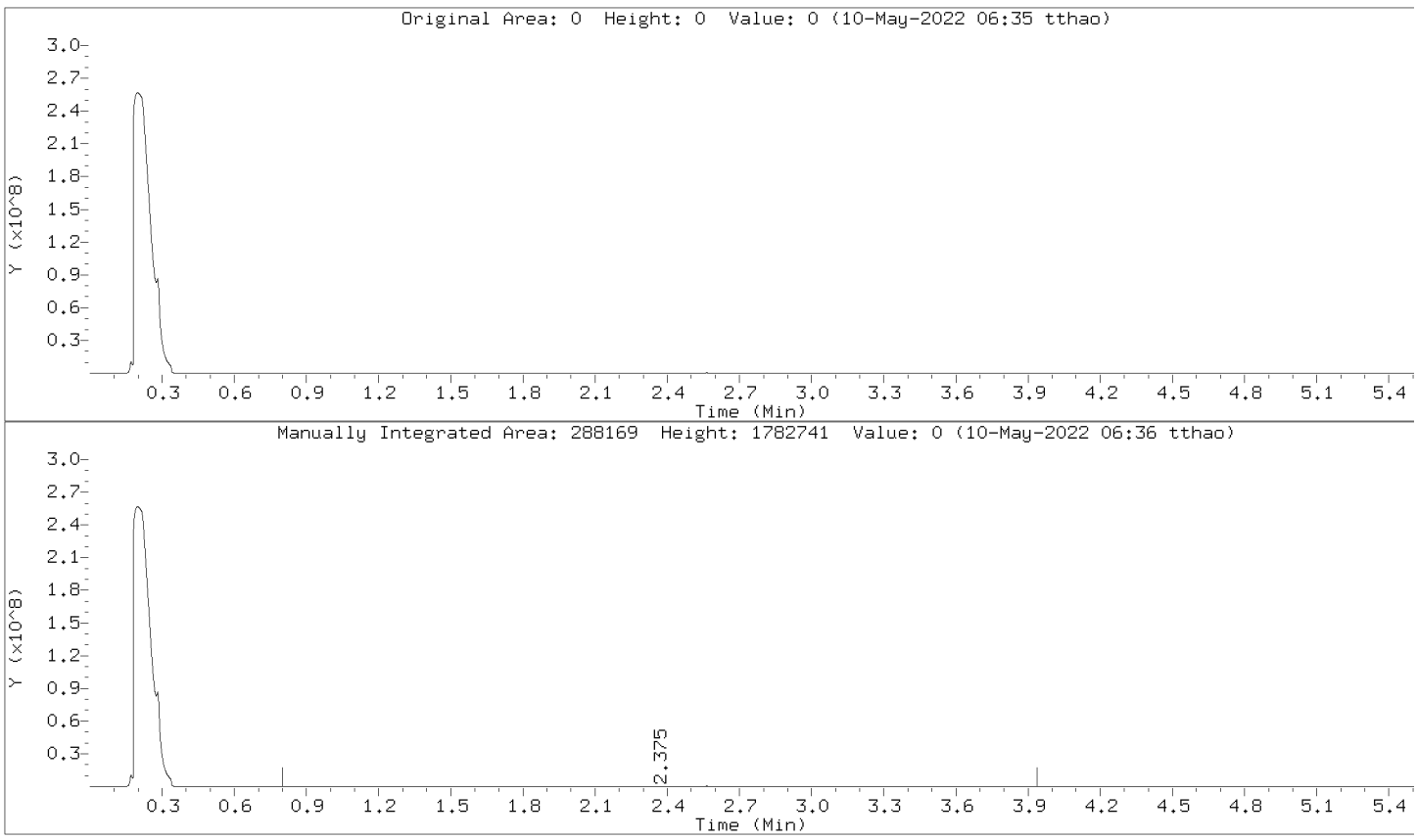
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



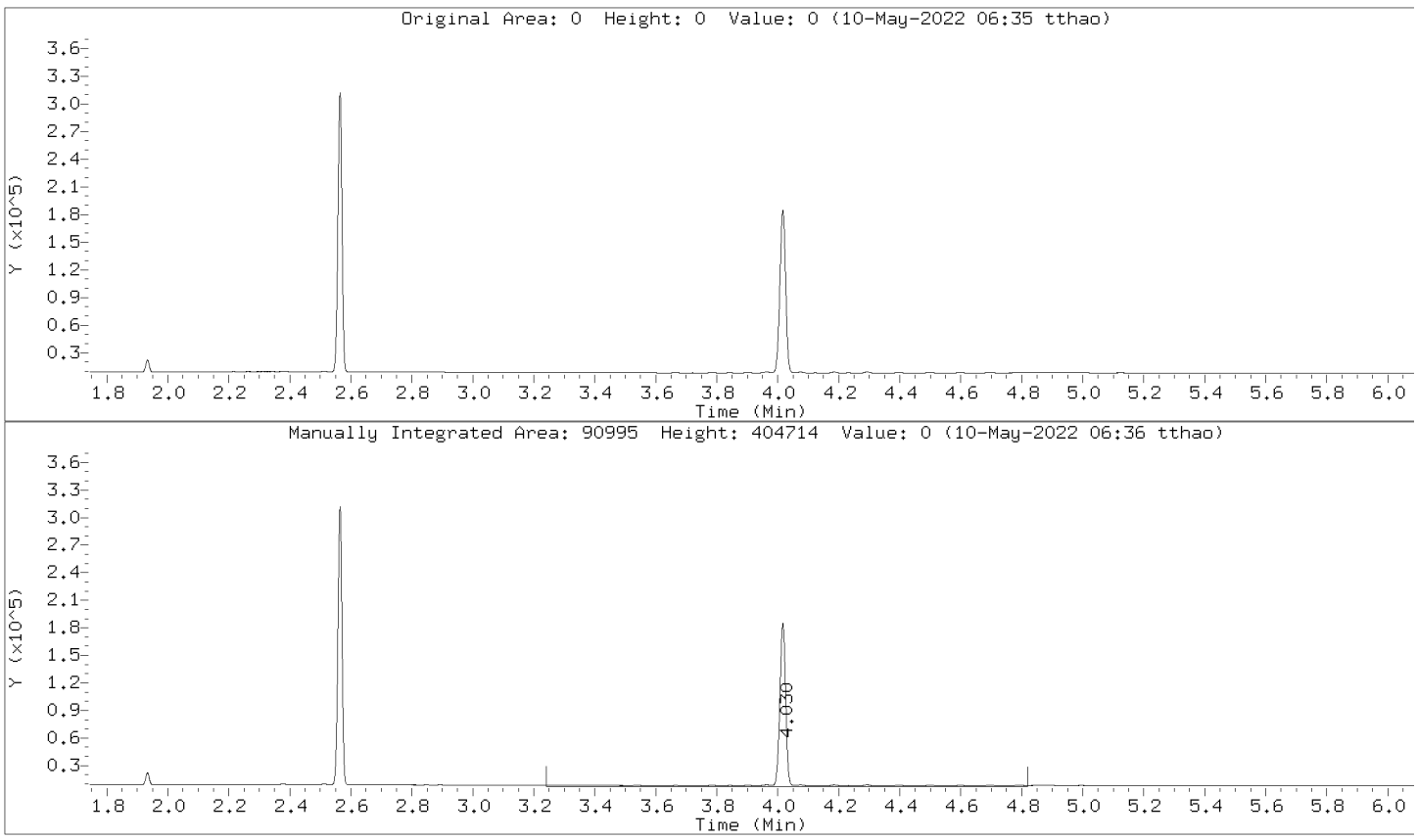
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



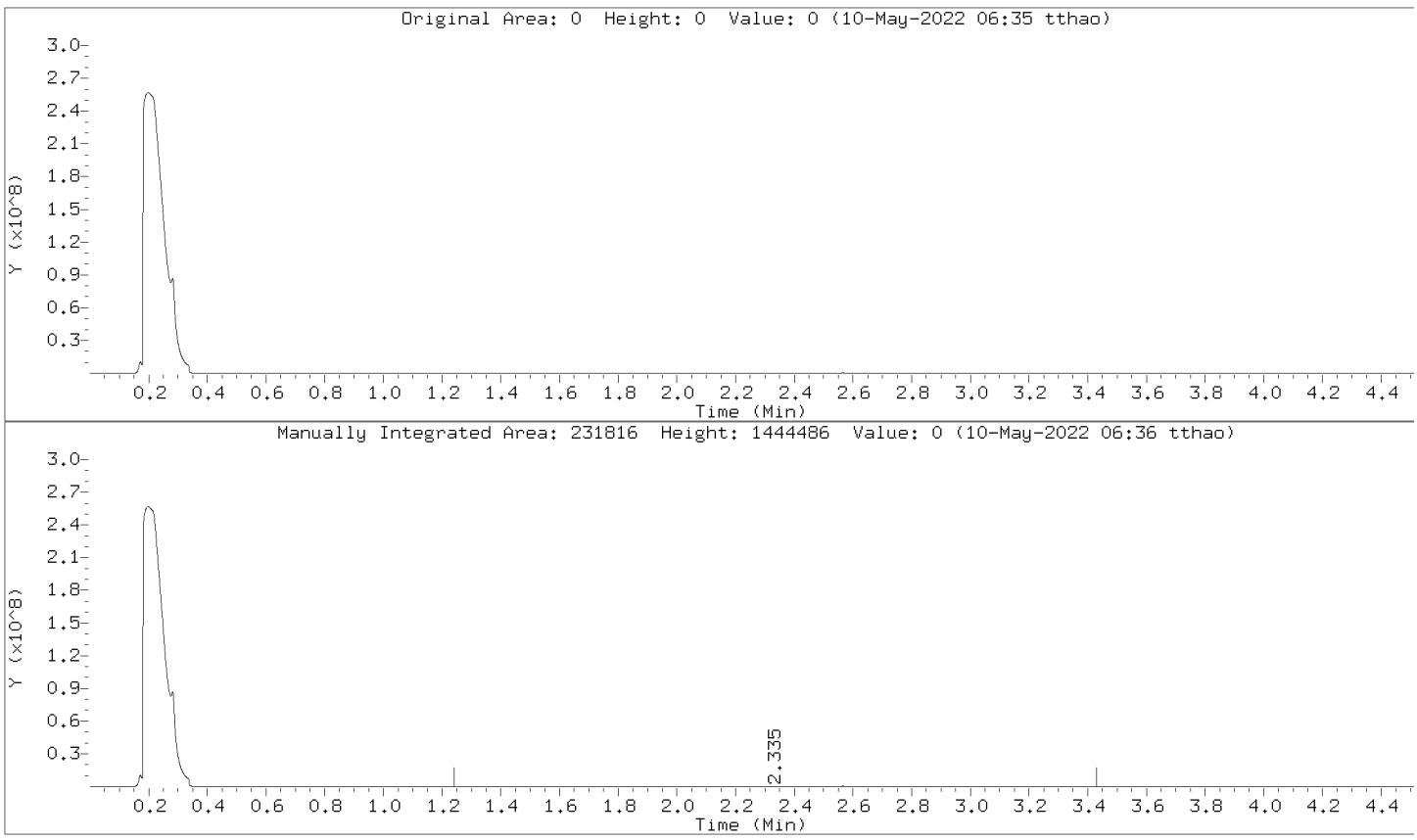
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



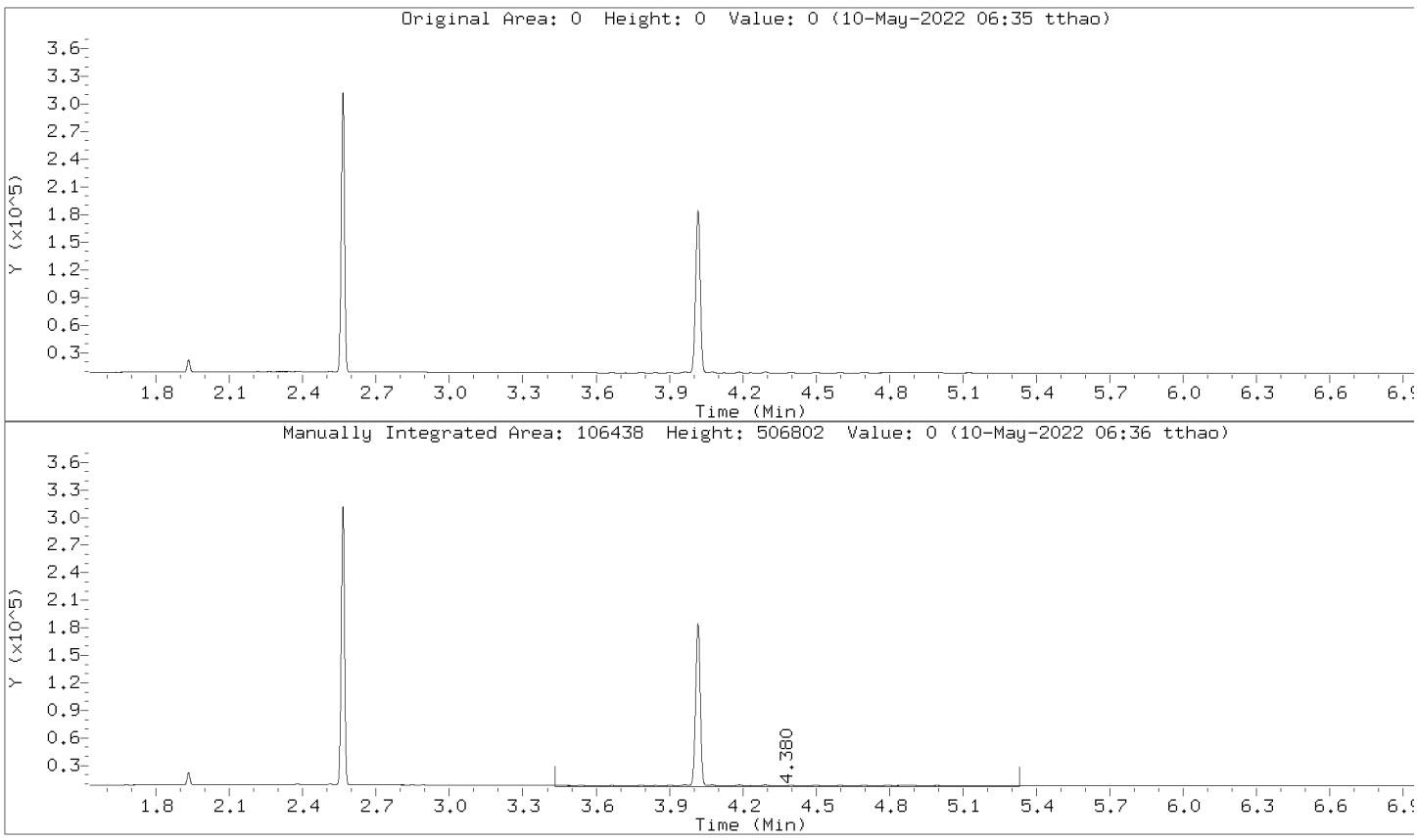
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



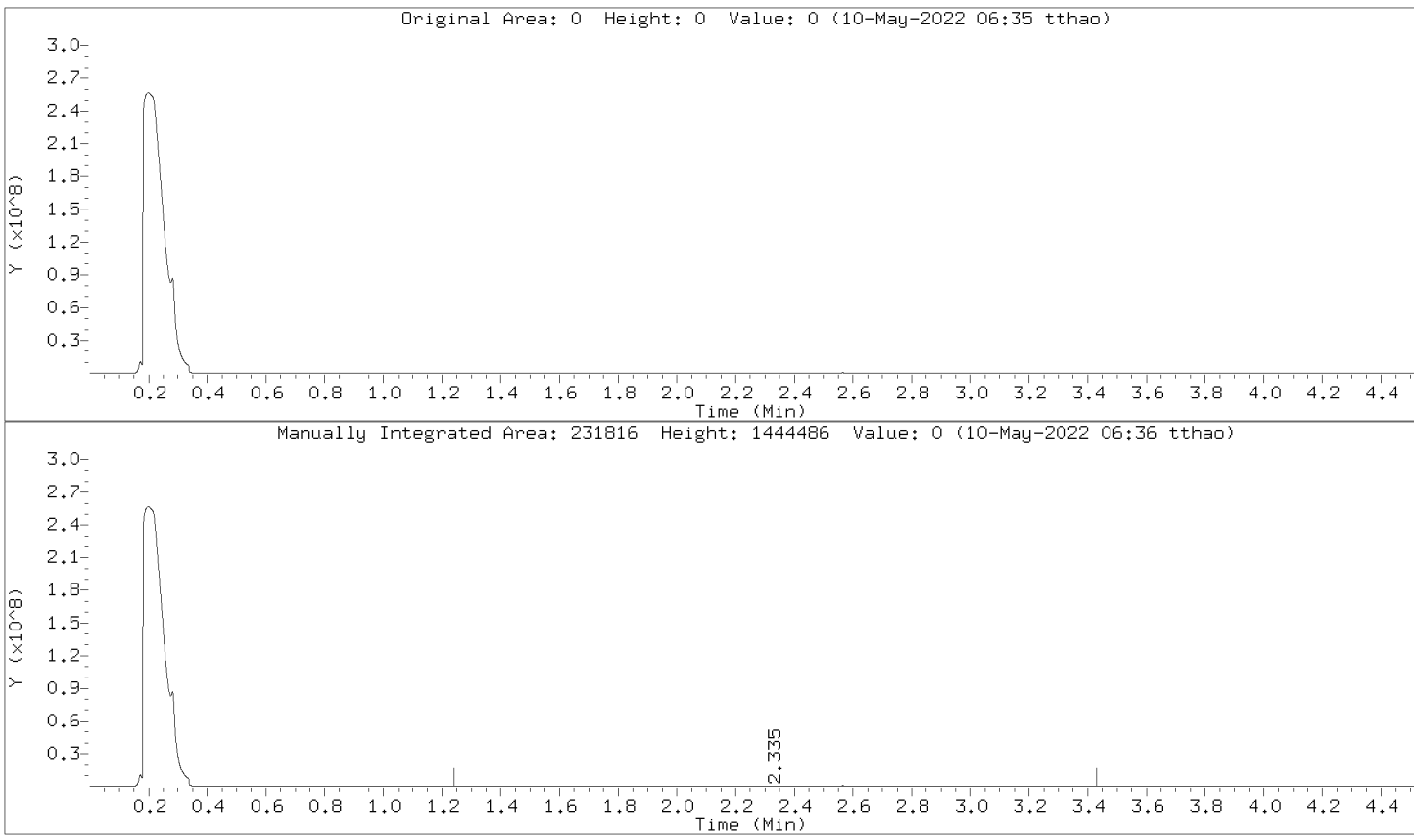
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



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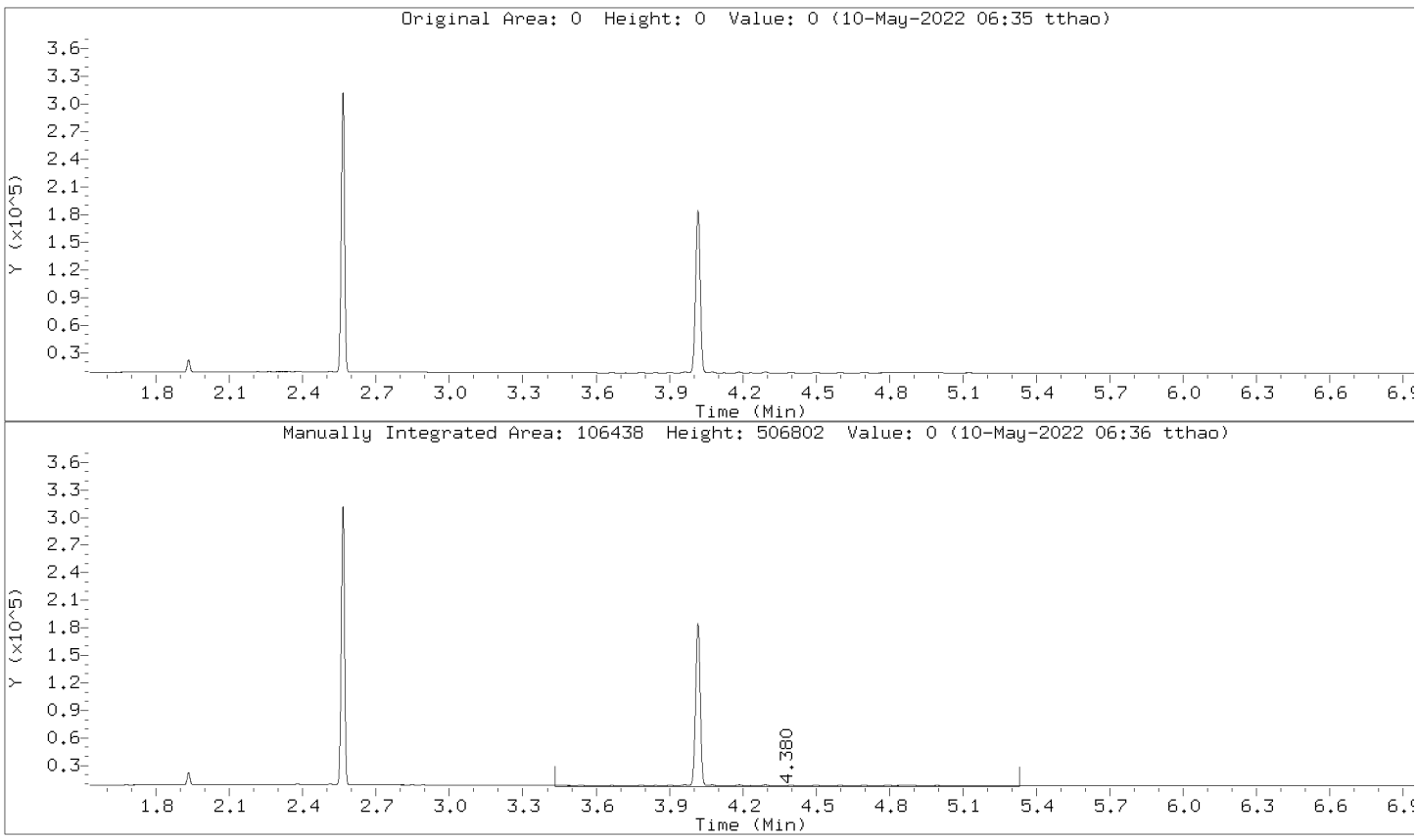
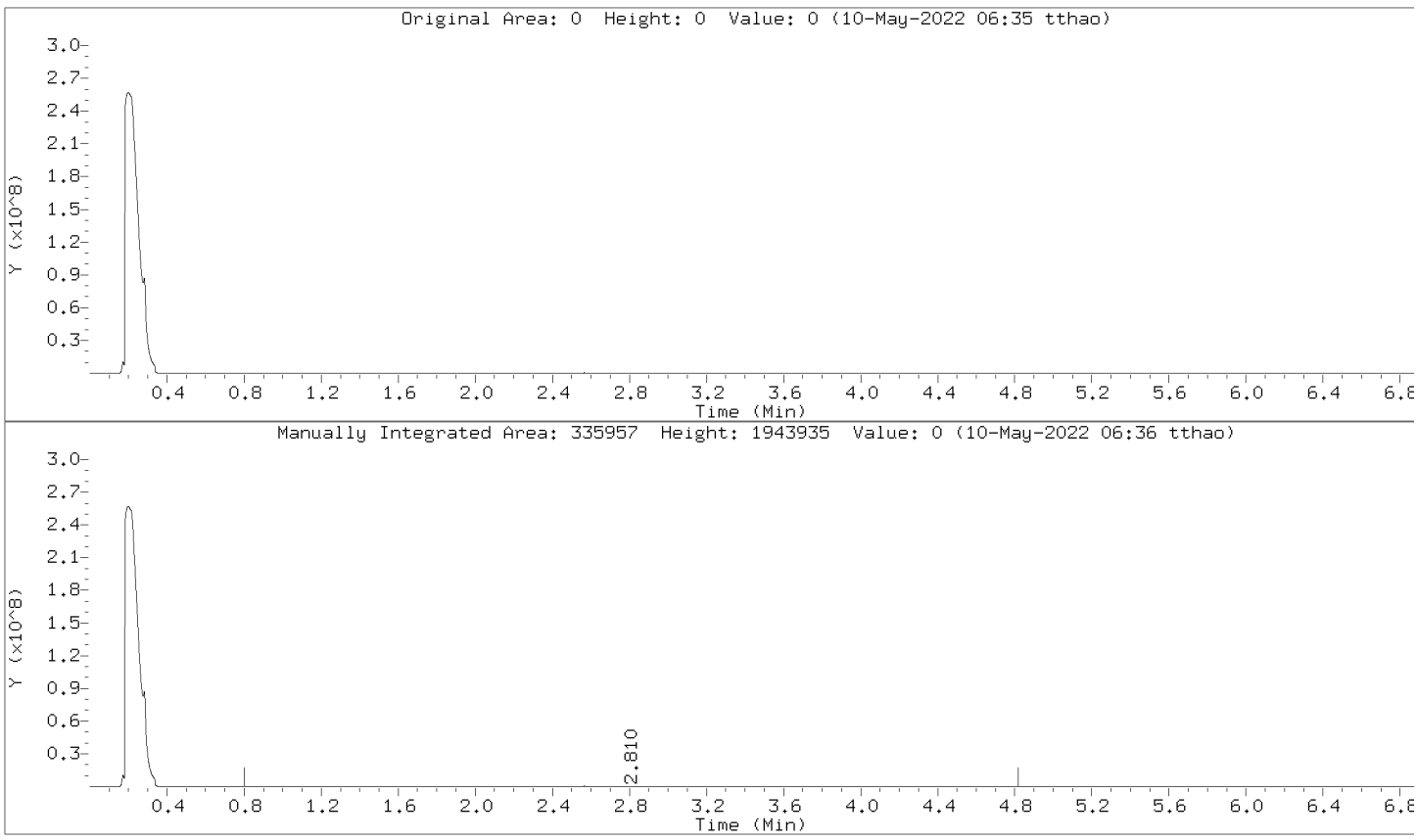
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



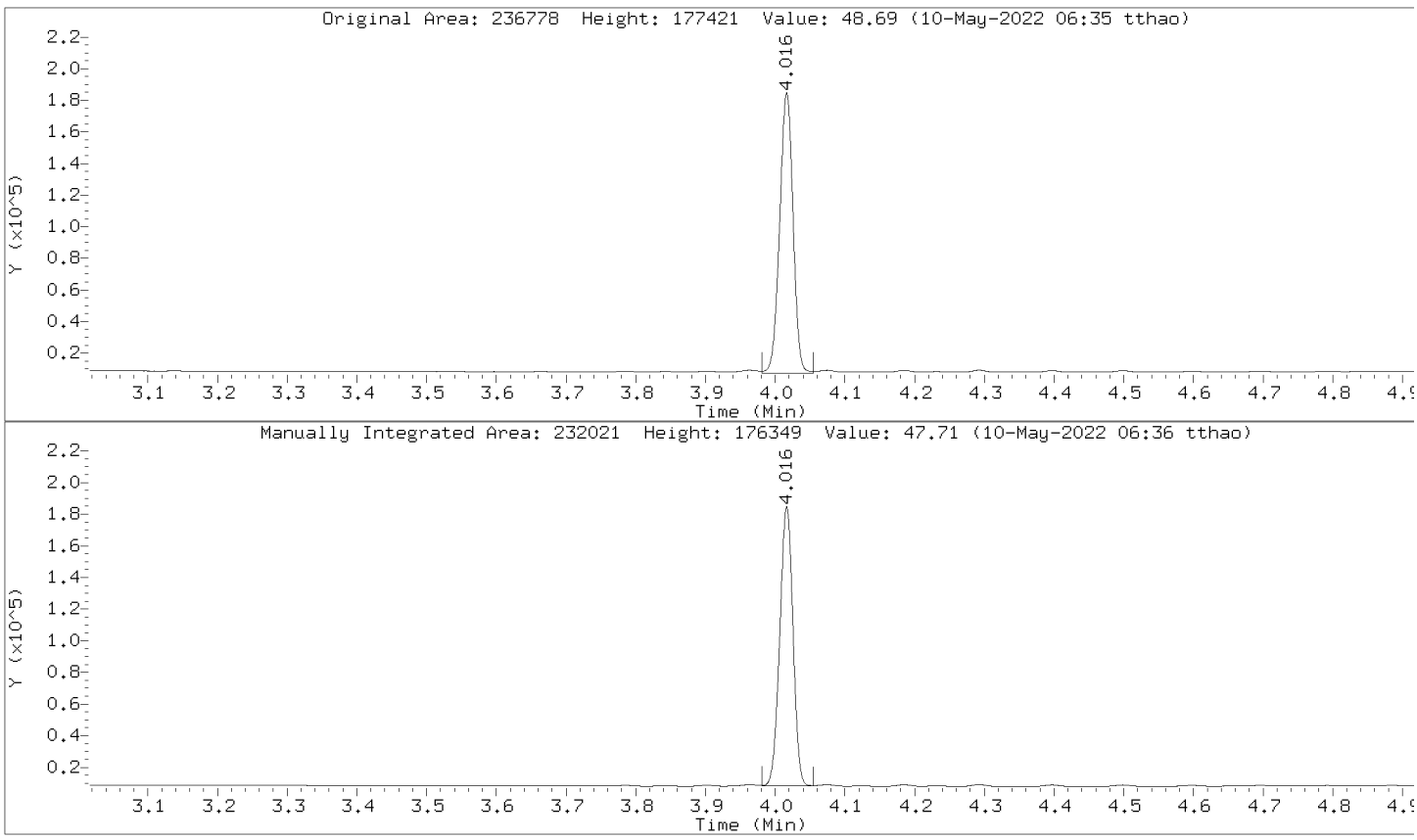
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: C10-C36 Review Code: RNG
CAS Number:



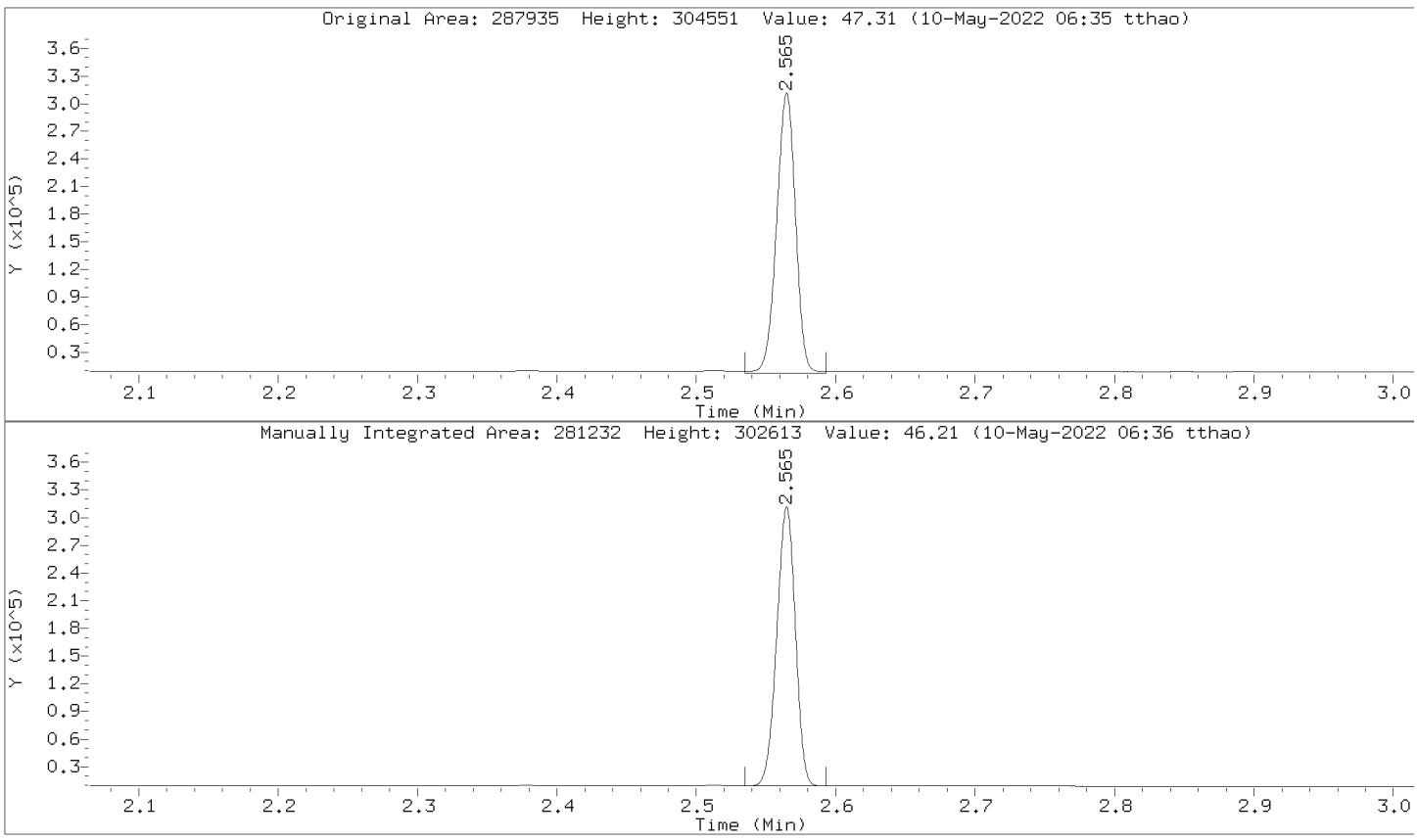
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	0	80663
DRO by AK 102	0	255294
TPH-DRO (C10-C28)	0	288169
Motor Oil Range (C24-C36)	0	90995
Diesel Fuel Range	0	231816
Motor Oil Range	0	106438
Diesel Fuel Range SG	0	231816
Motor Oil Range SG	0	106438
C10-C36	0	335957
n-Triacontane (S)	236778	232021
o-Terphenyl (S)	287935	281232

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000003.D
Lab Smp Id: DMO-RTM,365036:2 Client Smp ID: DMO-RTM,365036:2
Inj Date : 11-MAY-2022 13:45
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-rtm,365036:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 11-May-2022 15:29 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

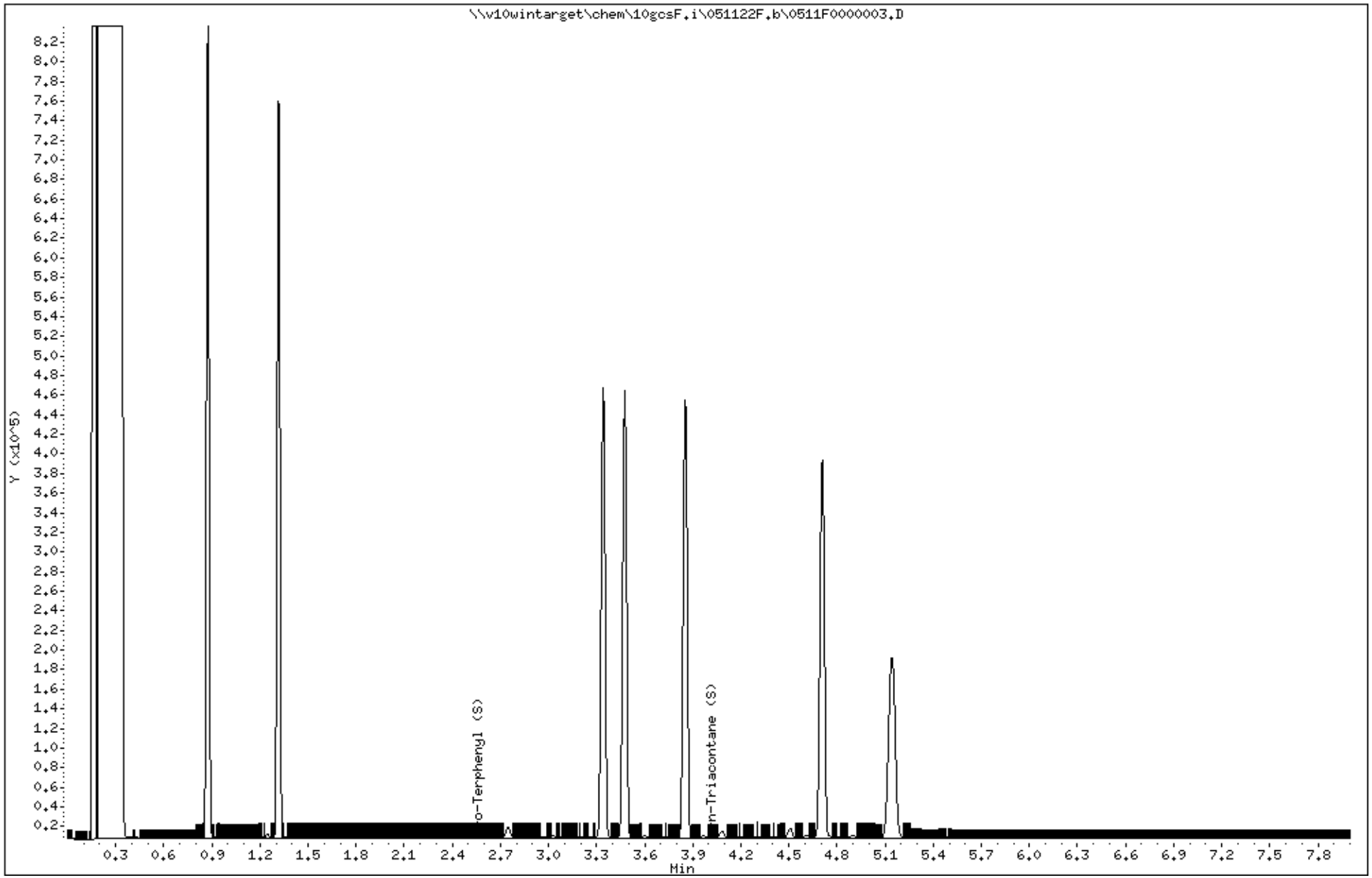
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/mL)	REVIEW CODE	
S 1 DRO by AK 102						CAS #:	
0.800	- 3.385		1959631	321.556	322		
$ 2 o-Terphenyl (S)						CAS #:	
2.565	2.566	-0.001	356	0.05850	0.0585		(R)
$ 3 n-Triacontane (S)						CAS #:	
4.023	4.025	-0.002	166	0.03413	0.0341		(R)
S 4 Residual Range Organics AK103						CAS #:	
3.386	- 4.800		1839761	544.678	545		
S 5 TPH-DRO (C10-C28)						CAS #:	
0.800	- 3.940		3141832	471.564	472		
S 6 Motor Oil Range (C24-C36)						CAS #:	
3.250	- 4.800		2418140	692.959	693		
S 7 C10-C36						CAS #:	
0.800	- 4.800		3799393	813.676	814		
S 8 Diesel Fuel Range						CAS #:	
1.240	- 3.440		1380903	257.922	258		
S 9 Diesel Fuel Range SG						CAS #:	
1.240	- 3.440		1380903	257.922	258		
S 10 Motor Oil Range						CAS #:	
3.441	- 5.260		2320387	567.183	567		
S 11 Motor Oil Range SG						CAS #:	
3.441	- 5.260		2320387	567.559	568		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000003.D
Date : 11-MAY-2022 13:45
Client ID: DMO-RTM,365036:2
Sample Info: DMO-RTM,365036:2

Instrument: 10gcsF.i
Operator: EB3
Column phase: DB-5-US21390001
Column diameter: 0.32



249 of 1091
185 of 710
10606560

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000003.D
Injection Date: 11-MAY-2022 13:45
Instrument: 10gcsF.i
Lab Sample ID: DMO-RTM,365036:2
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1839761	1839761
DRO by AK 102	1959631	1959631
TPH-DRO (C10-C28)	3141832	3141832
Motor Oil Range (C24-C36)	2418518	2418140
Diesel Fuel Range	1380445	1380903
Motor Oil Range	2324491	2320387
Diesel Fuel Range SG	1380445	1380903
Motor Oil Range SG	2324491	2320387
C10-C36	3799393	3799393
n-Triacontane (S)	166	166
o-Terphenyl (S)	356	356

SAMPLE NO.

29929189ICV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota
Calibration Date: 05/09/2022 Time: 17:27

Instrument ID: 10GCSF GC Column: FID
Init. Calib. Date(s): 05/09/2022 05/09/2022

Lab File ID: 050922F.B\0509F0000035.D
Init. Calib. Time(s): 15:19 17:04

SDG No.: 10606560

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	521.2485	0.0100	4.2497	15.0000
Motor Oil Range	Linear	500	509.6966	0.0100	1.9393	15.0000
n-Triacontane (S)	Averaged	4863.151	4934.100	0.0100	1.4589	15.0000
o-Terphenyl (S)	Averaged	6085.641	5925.220	0.0100	-2.6361	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

30016727CCV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Calibration Date: 05/12/2022 Time: 00:52

Instrument ID: 10GCSF GC Column: FID Init. Calib. Date(s): 05/09/2022 05/09/2022

Lab File ID: 051122F.B\0511F0000062.D Init. Calib. Time(s): 15:19 17:04

SDG No.: 10606560

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	524.2544	0.0100	4.8509	15.0000
Motor Oil Range	Linear	500	500.8238	0.0100	0.1648	15.0000
n-Triacontane (S)	Averaged	4863.151	4894.220	0.0100	0.6389	15.0000
o-Terphenyl (S)	Averaged	6085.641	6025.460	0.0100	-0.9889	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

30016743CCV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Calibration Date: 05/12/2022 Time: 03:31

Instrument ID: 10GCSF GC Column: FID Init. Calib. Date(s): 05/09/2022 05/09/2022

Lab File ID: 051122F.B\0511F0000076.D Init. Calib. Time(s): 15:19 17:04

SDG No.: 10606560

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	531.7828	0.0100	6.3566	15.0000
Motor Oil Range	Linear	500	501.2481	0.0100	0.2496	15.0000
n-Triacontane (S)	Averaged	4863.151	4986.700	0.0100	2.5405	15.0000
o-Terphenyl (S)	Averaged	6085.641	6122.760	0.0100	0.6099	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

30016935CCV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Calibration Date: 05/12/2022 Time: 22:23

Instrument ID: 10GCSF GC Column: FID Init. Calib. Date(s): 05/09/2022 05/09/2022

Lab File ID: 051222F.B\0512F0000045.D Init. Calib. Time(s): 15:19 17:04

SDG No.: 10606560

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	526.7248	0.0100	5.3450	15.0000
Motor Oil Range	Linear	500	482.5470	0.0100	-3.4906	15.0000
n-Triacontane (S)	Averaged	4863.151	4921.540	0.0100	1.2006	15.0000
o-Terphenyl (S)	Averaged	6085.641	6042.720	0.0100	-0.7053	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

30016934CCV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Calibration Date: 05/12/2022 Time: 23:30

Instrument ID: 10GCSF GC Column: FID Init. Calib. Date(s): 05/09/2022 05/09/2022

Lab File ID: 051222F.B\0512F0000051.D Init. Calib. Time(s): 15:19 17:04

SDG No.: 10606560

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	527.1672	0.0100	5.4334	15.0000
Motor Oil Range	Linear	500	514.5447	0.0100	2.9090	15.0000
n-Triacontane (S)	Averaged	4863.151	5027.720	0.0100	3.3840	15.0000
o-Terphenyl (S)	Averaged	6085.641	6048.340	0.0100	-0.6130	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000035.D
Lab Smp Id: DMO-ICV,365117:2 Client Smp ID: DMO-ICV,365117:2
Inj Date : 09-MAY-2022 17:27
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-icv,365117:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 13 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10SVOA-TT

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		2988000	500.000	520	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.565	2.565	0.000	296261	50.0000	48.7	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.017	4.017	0.000	246705	50.0000	50.7	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		1737328	500.000	513	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		3425790	500.000	519	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		1817086	500.000	513	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		4725328	1000.00	1030	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		2521516	500.000	521	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		2521516	500.000	521	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		2096826	500.000	510	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		2096826	500.000	510	(M)	RNG

QC Flag Legend

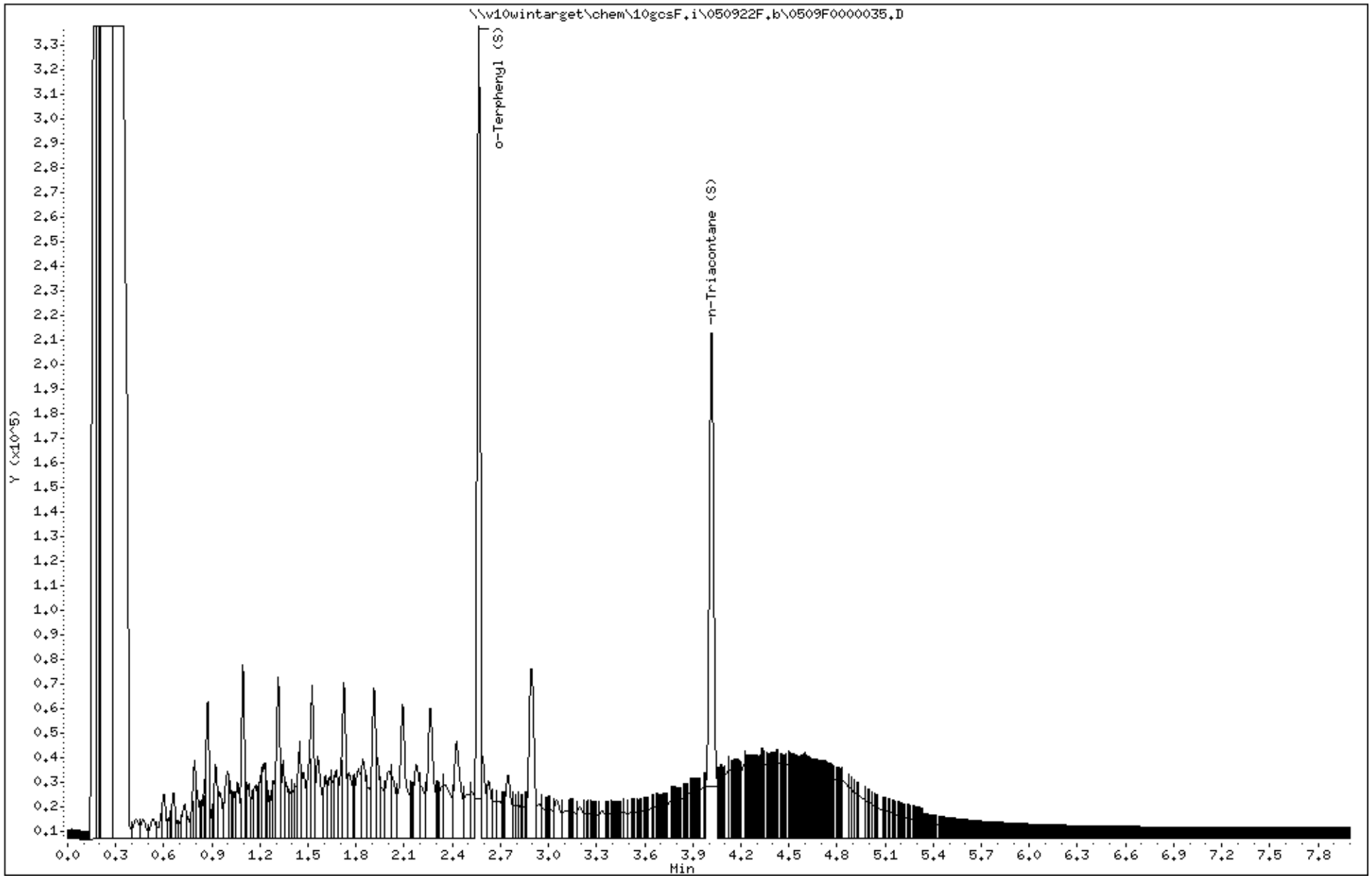
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

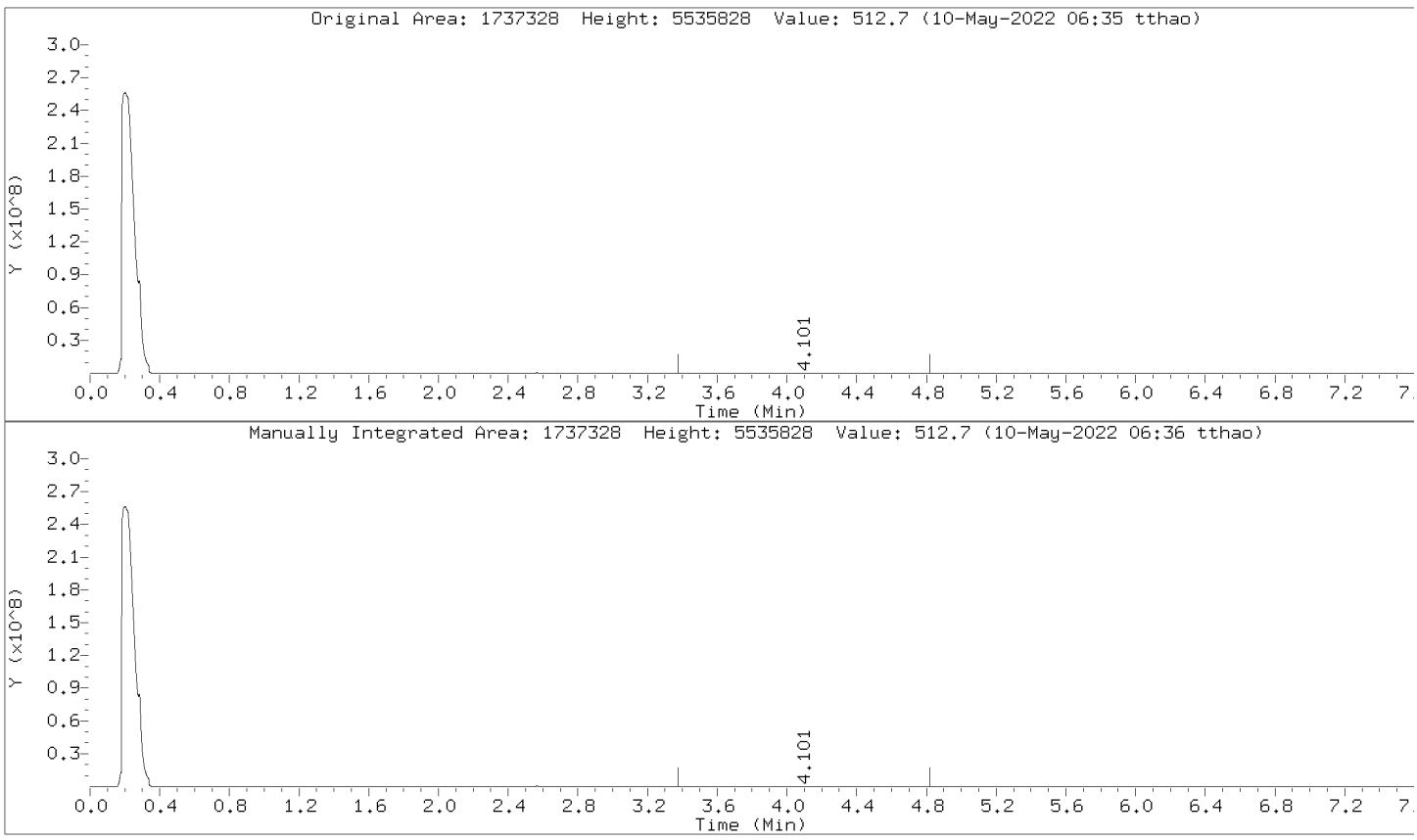
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000035.D
Date : 09-MAY-2022 17:27
Client ID: DMO-ICV,365117:2
Sample Info: DMO-ICV,365117:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



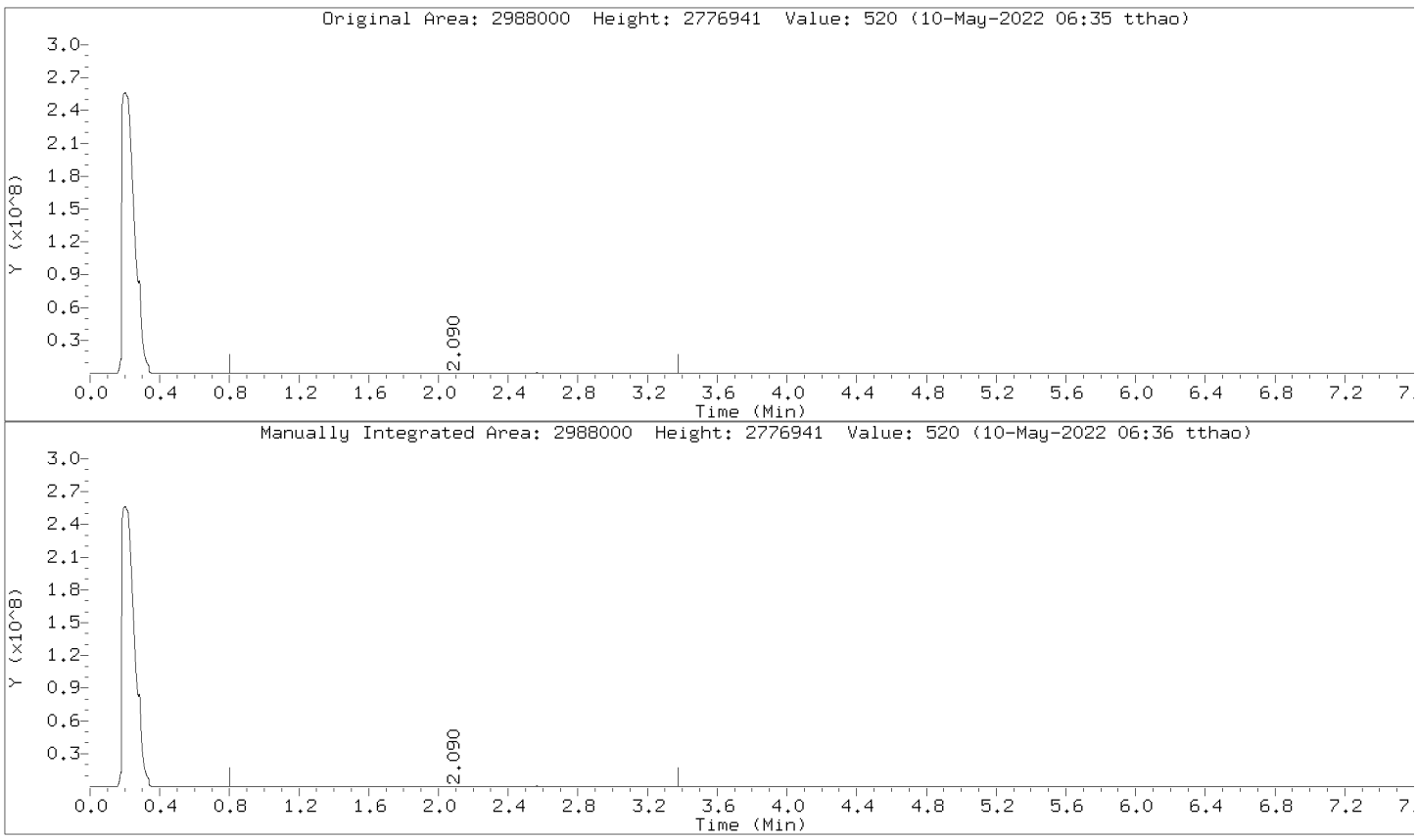
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



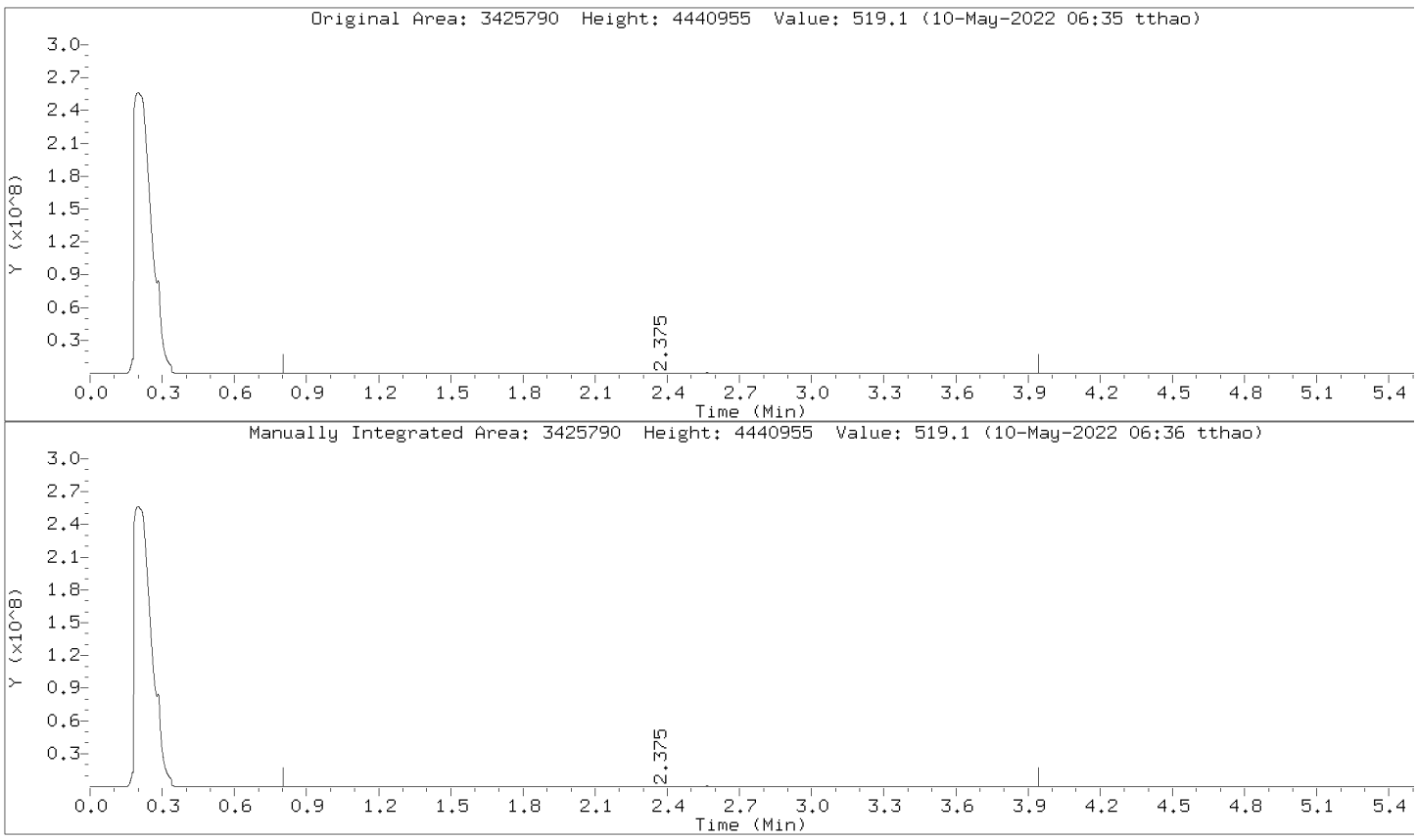
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



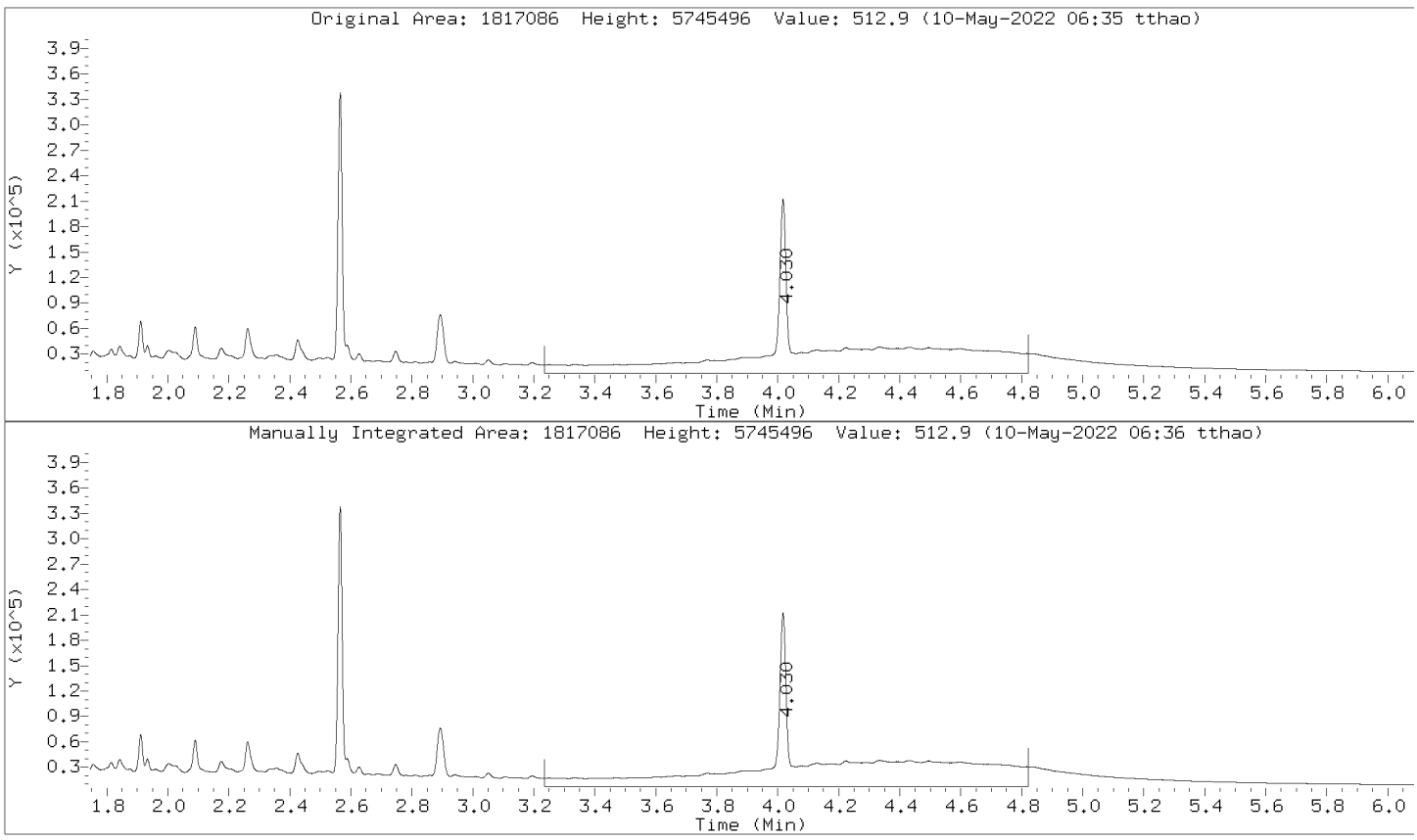
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



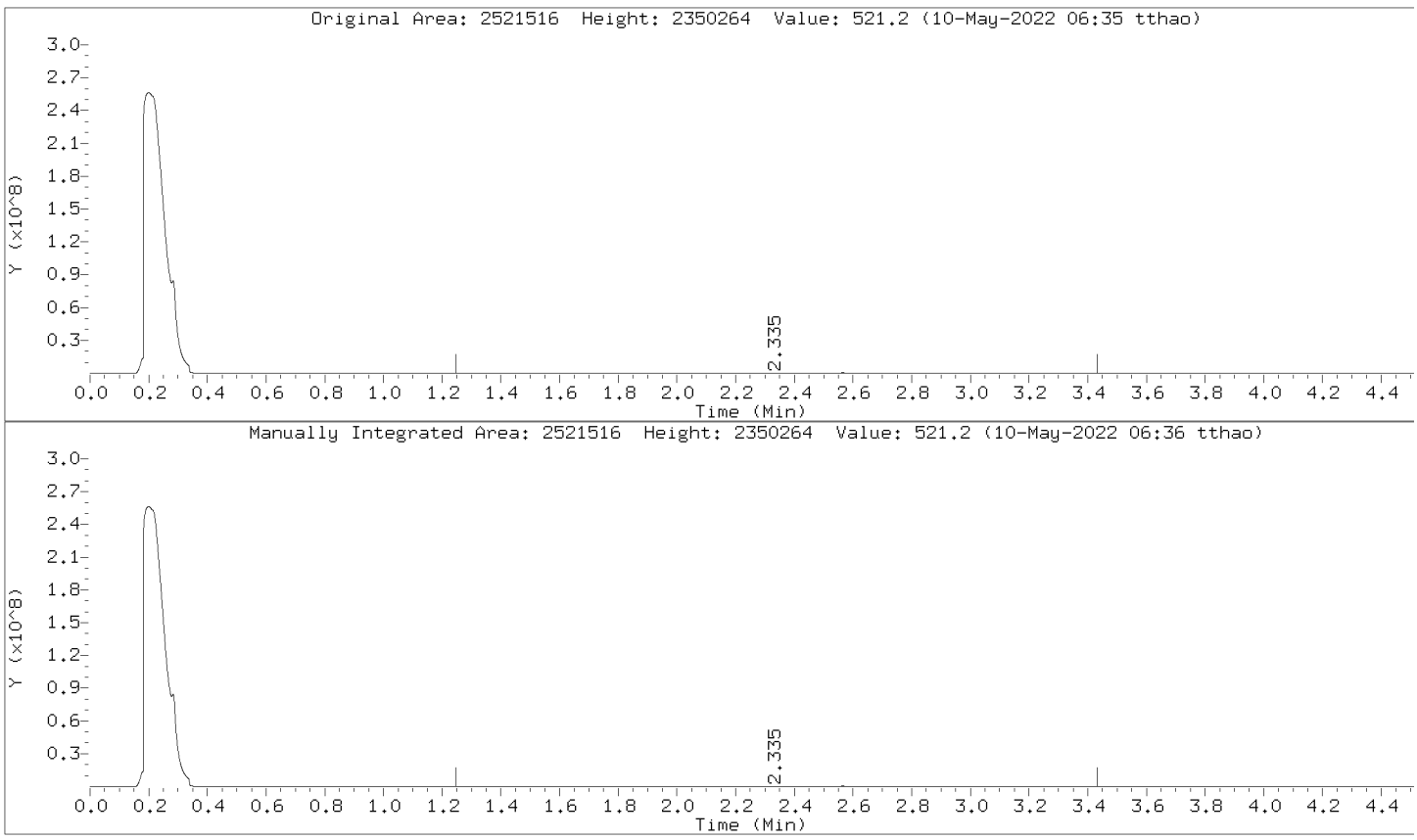
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



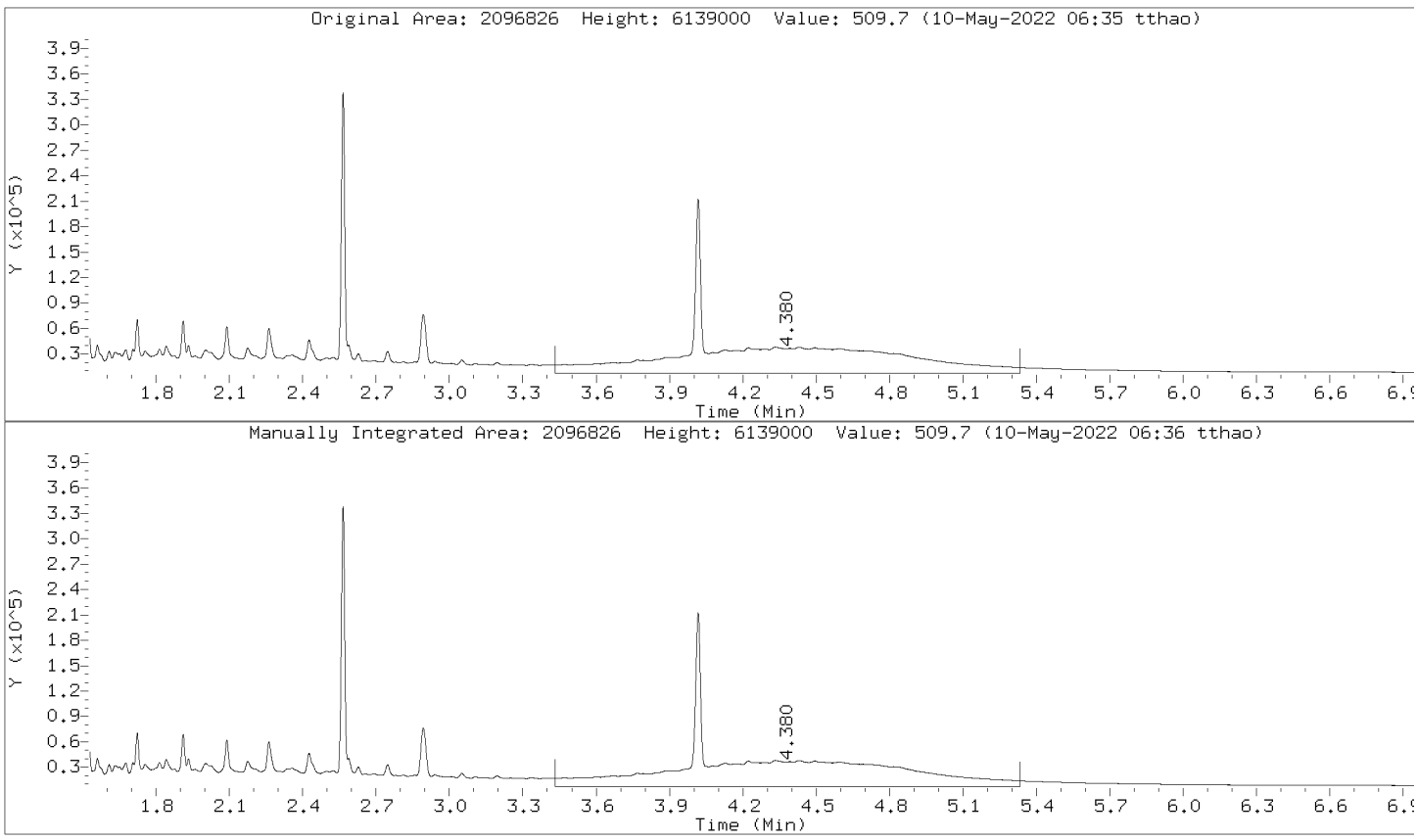
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



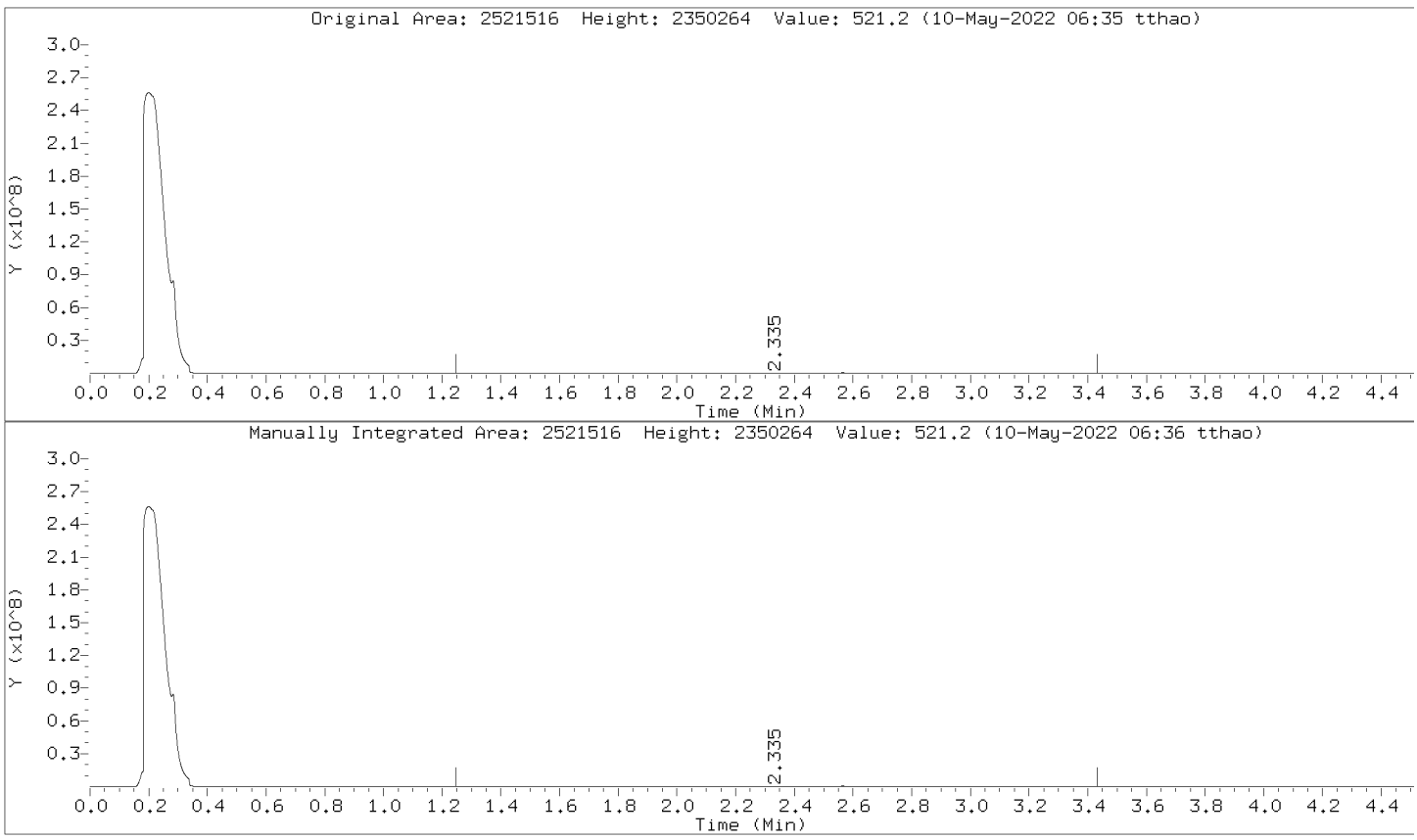
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



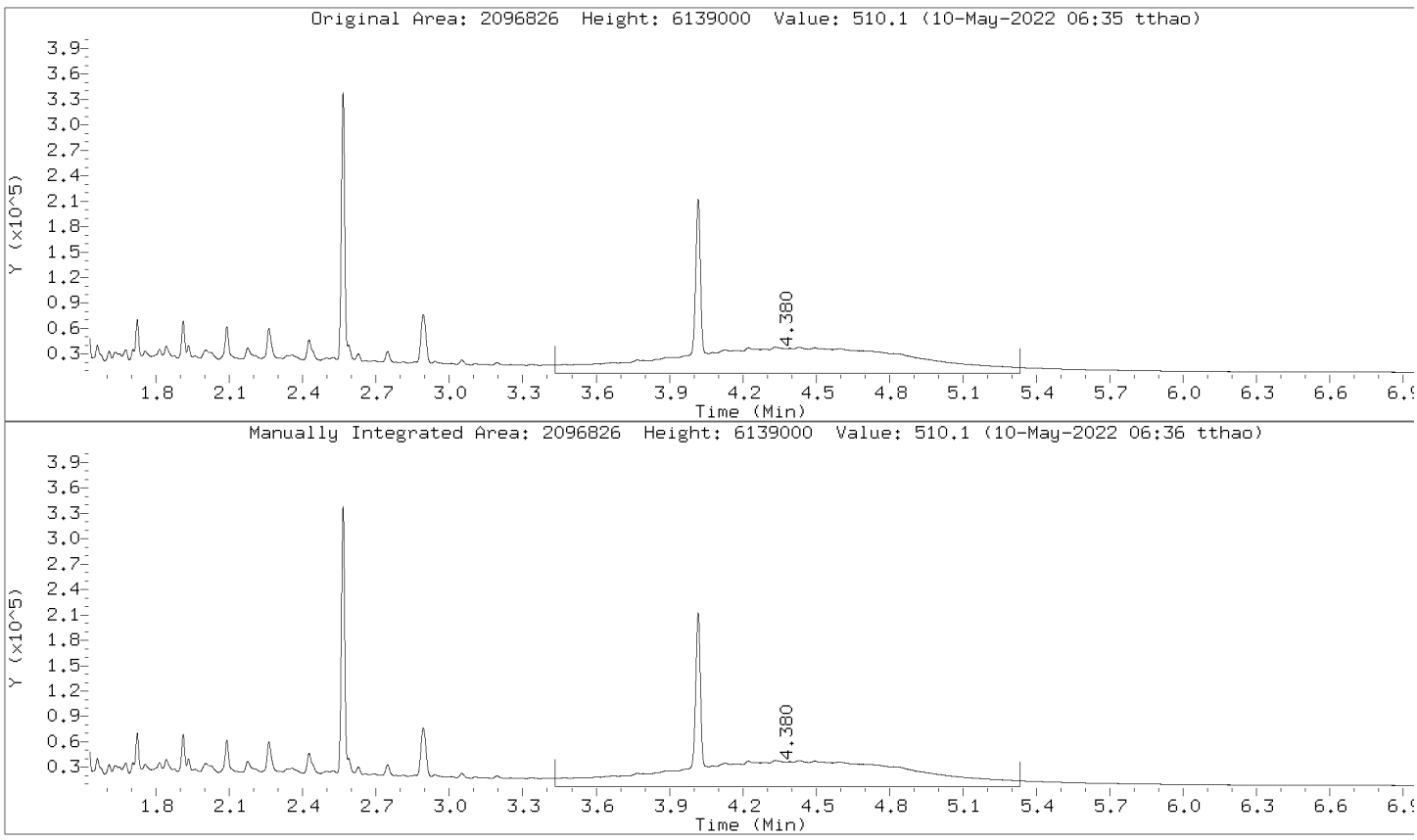
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



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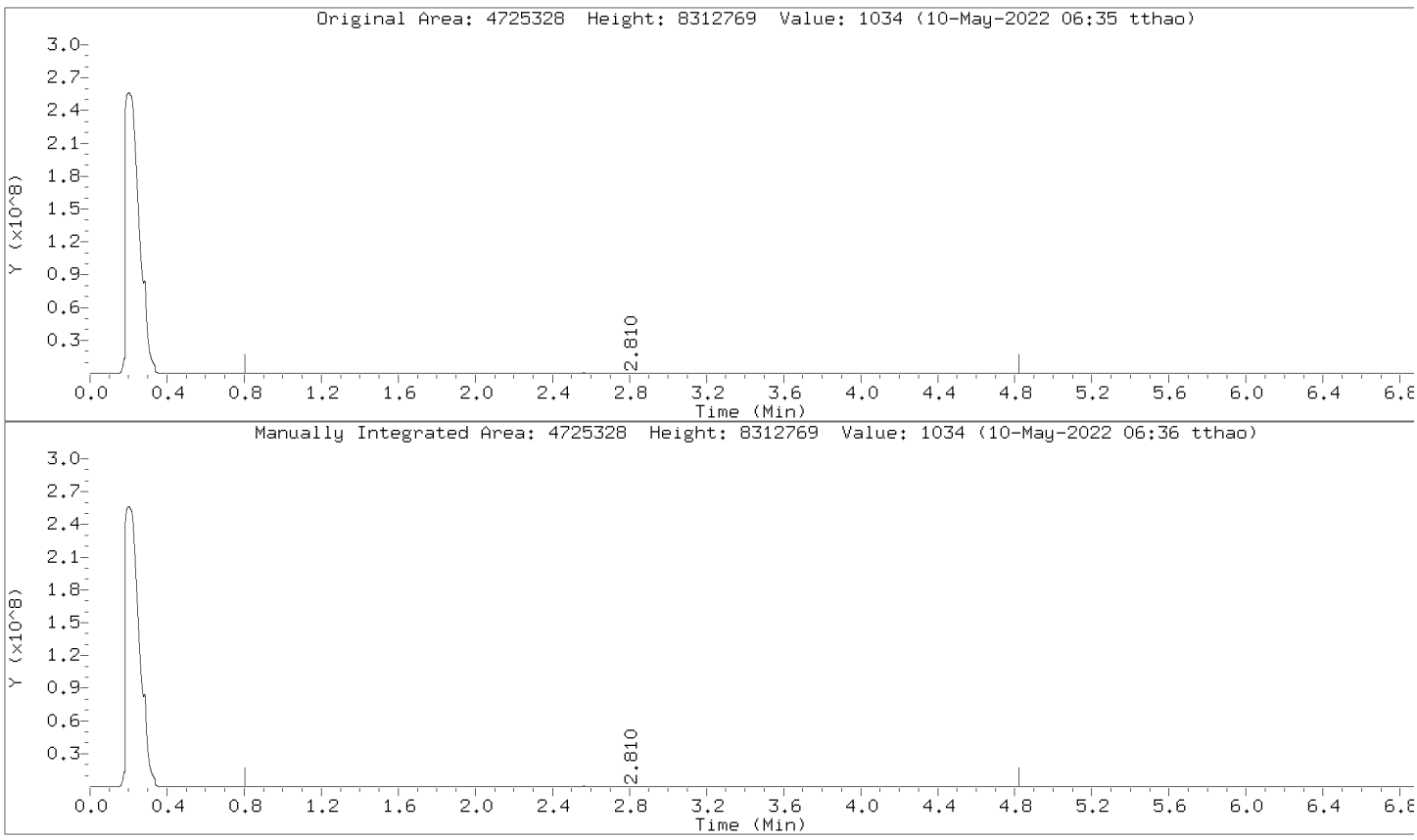
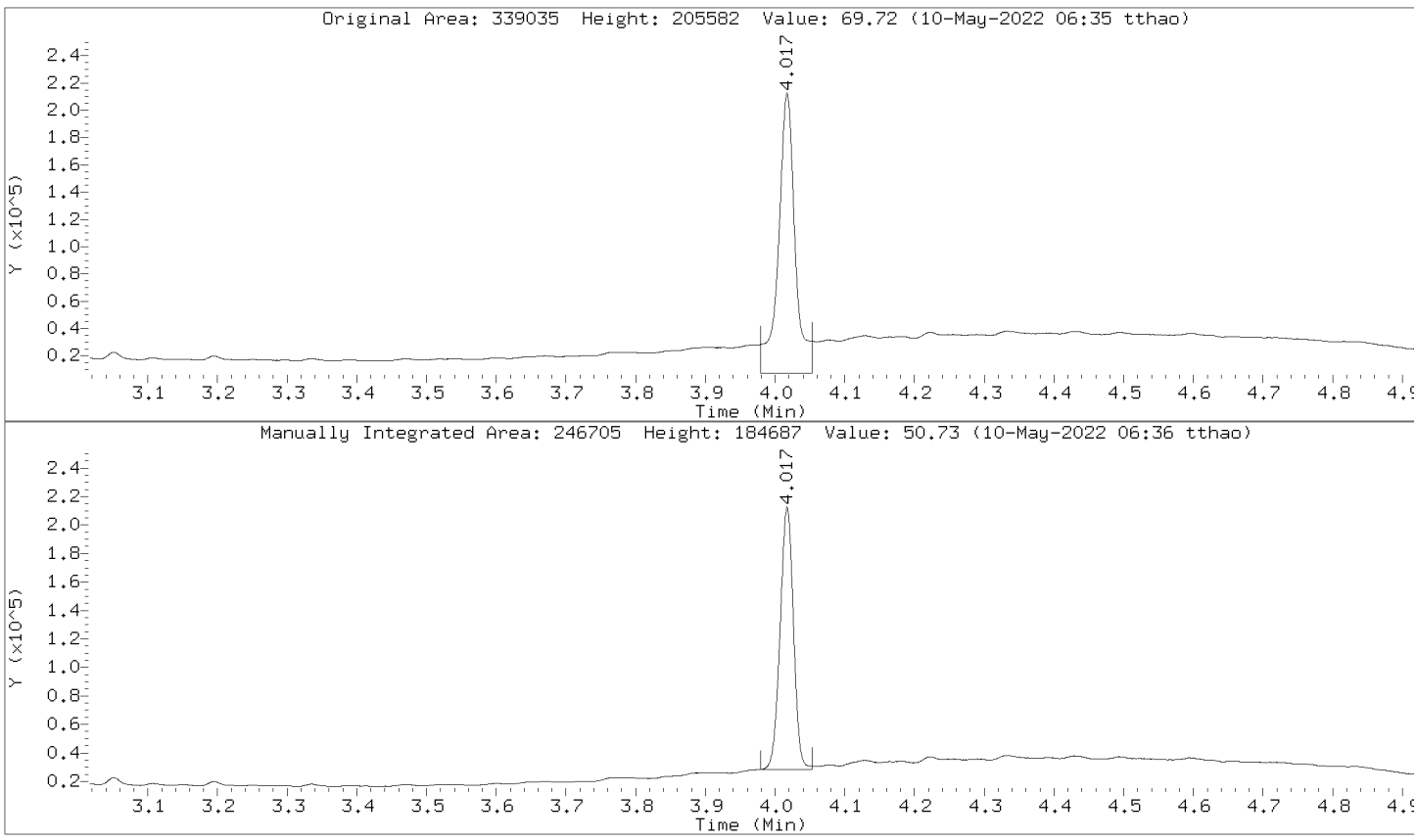
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: C10-C36 Review Code: RNG
CAS Number:



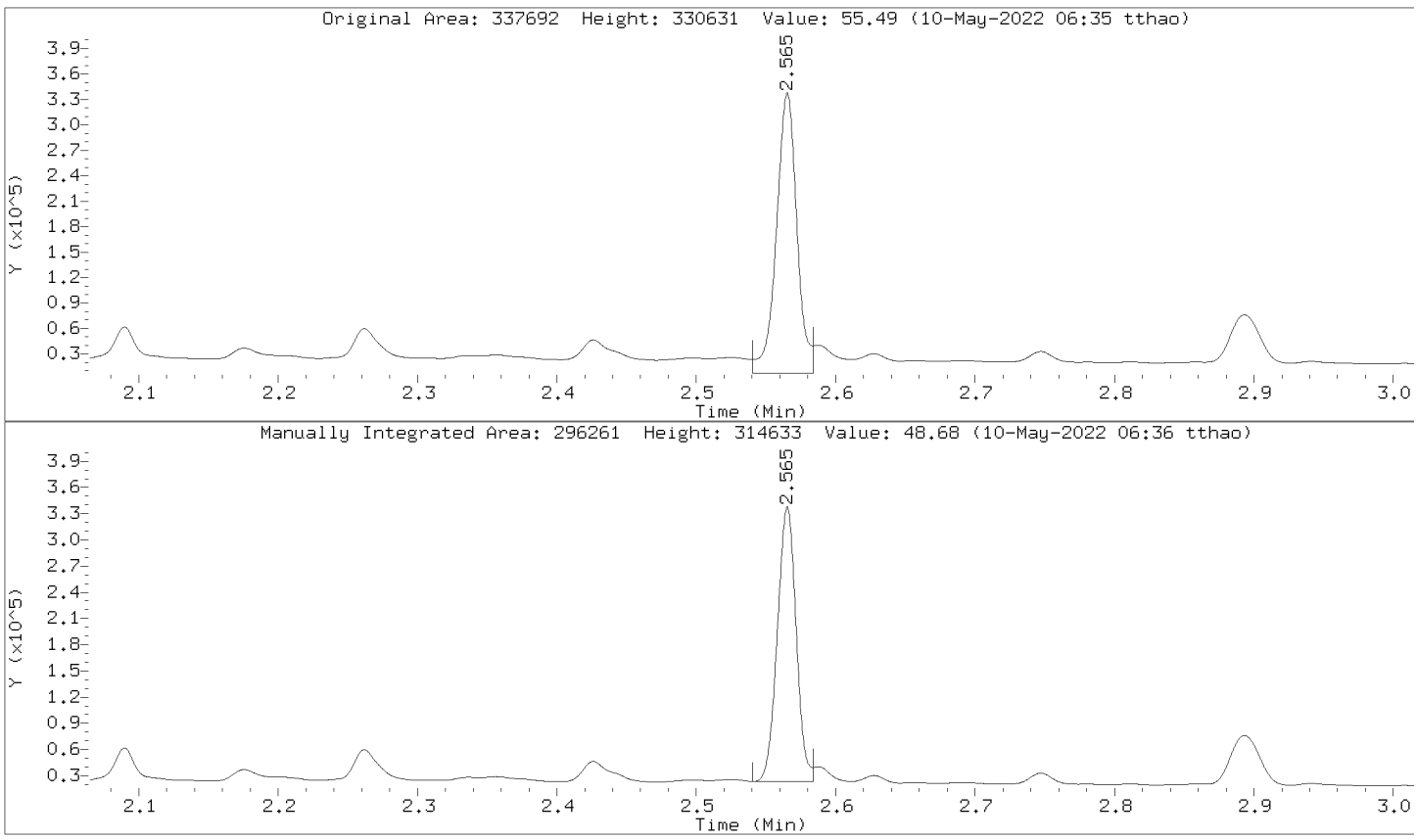
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1737328	1737328
DRO by AK 102	2988000	2988000
TPH-DRO (C10-C28)	3425790	3425790
Motor Oil Range (C24-C36)	1817086	1817086
Diesel Fuel Range	2521516	2521516
Motor Oil Range	2096826	2096826
Diesel Fuel Range SG	2521516	2521516
Motor Oil Range SG	2096826	2096826
C10-C36	4725328	4725328
n-Triacontane (S)	339035	246705
o-Terphenyl (S)	337692	296261

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000062.D
Lab Smp Id: DMO-CCV,363721:2 Client Smp ID: DMO-CCV,363721:2
Inj Date : 12-MAY-2022 00:52
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-ccv,363721:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.385		2999923	500.000	522	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.568	2.568	0.000	301273	50.0000	49.5	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.027	4.028	-0.001	244711	50.0000	50.3	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.386	- 4.800		1715460	500.000	506	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.940		3434656	500.000	521	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.250	- 4.800		1795874	500.000	506	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.800		4715384	1000.00	1030	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		2534536	500.000	524	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		2534536	500.000	524	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		2062320	500.000	501	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		2062320	500.000	501	(M)	RNG

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

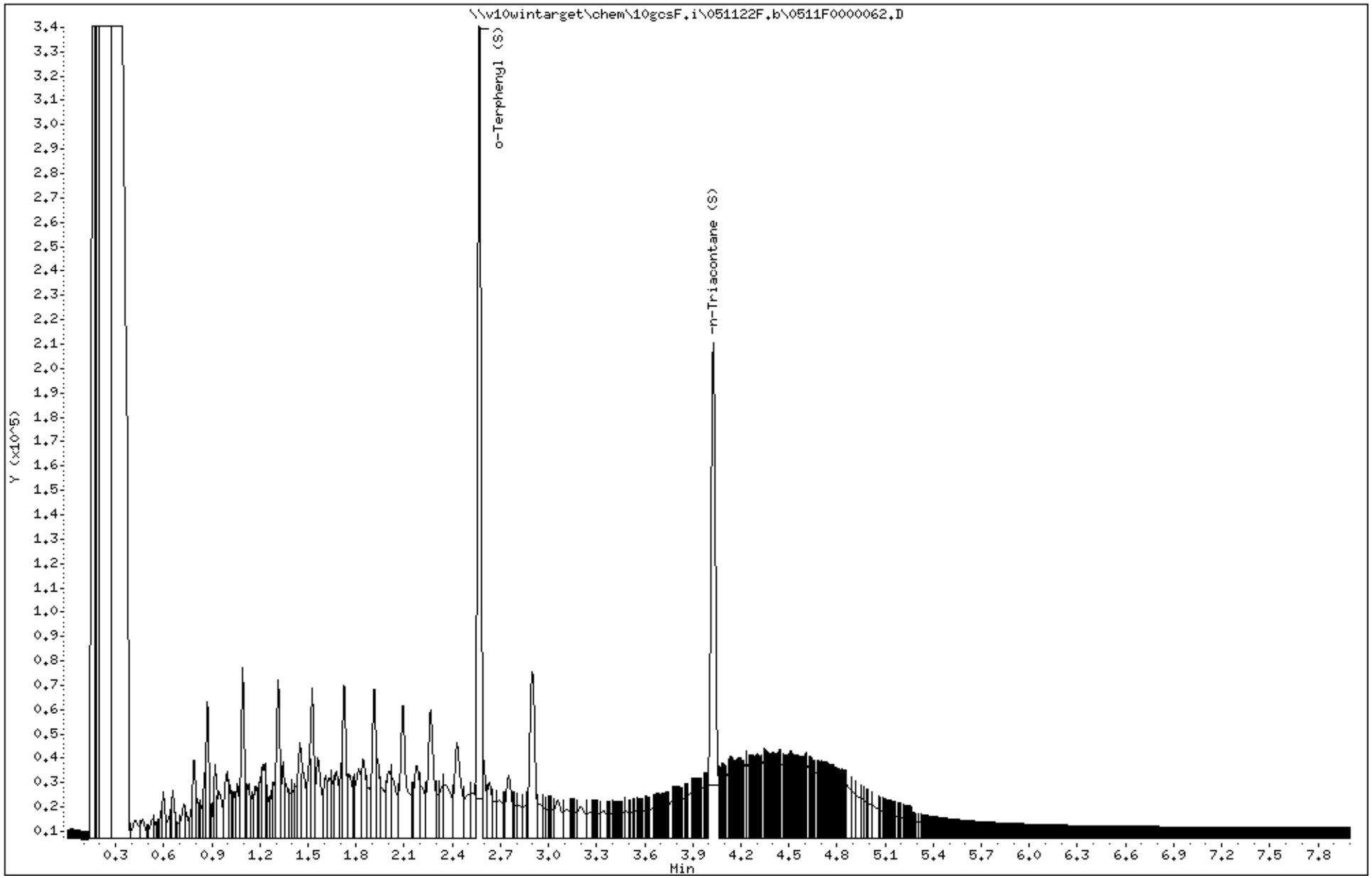
RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000062.D
Date : 12-MAY-2022 00:52
Client ID: DMO-CCV,363721:2
Sample Info: DMO-CCV,363721:2

Column phase: DB-5-US21390001

Instrument: 10gcsF.i

Operator: EB3
Column diameter: 0.32



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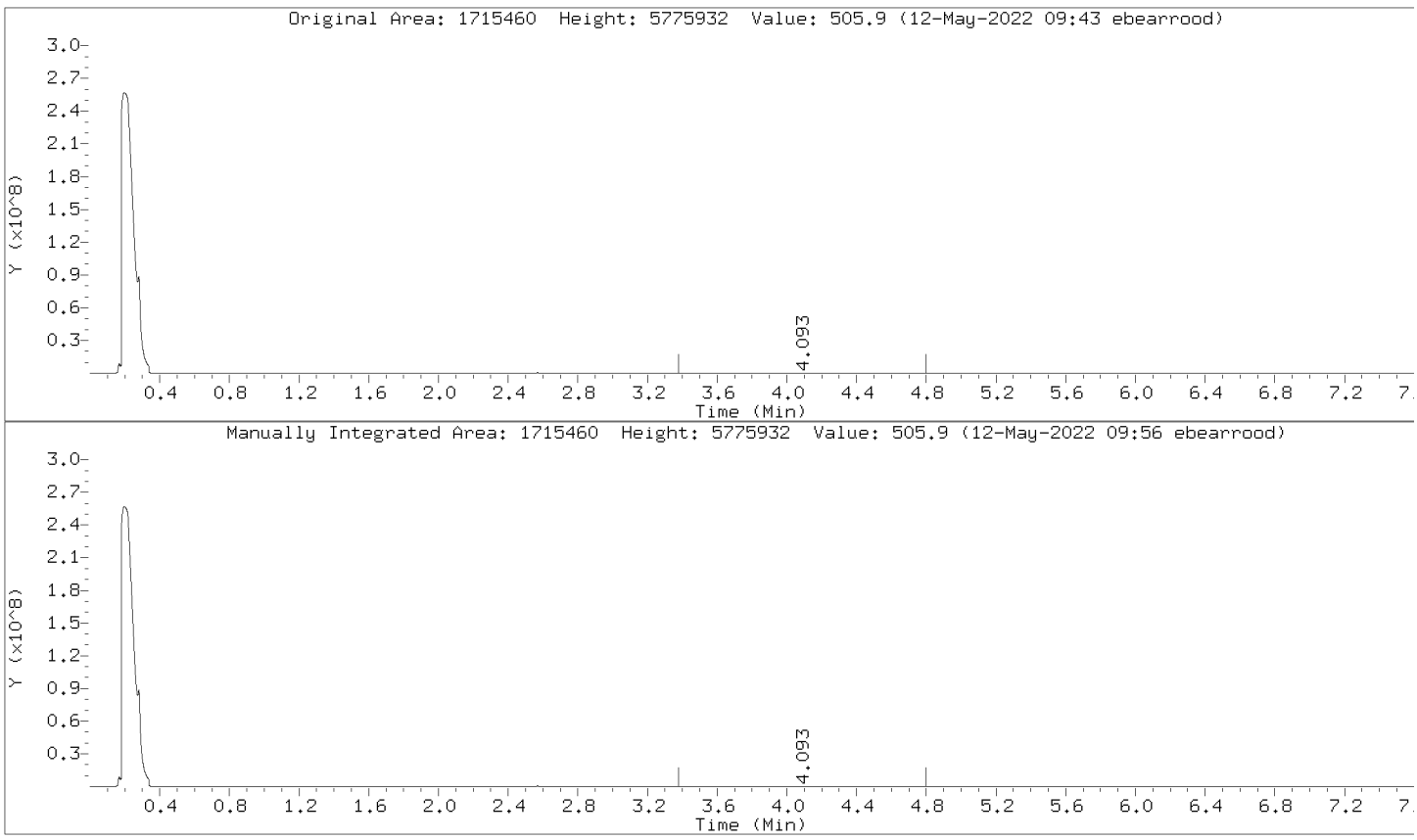
208 of 710
10606560

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000062.D
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



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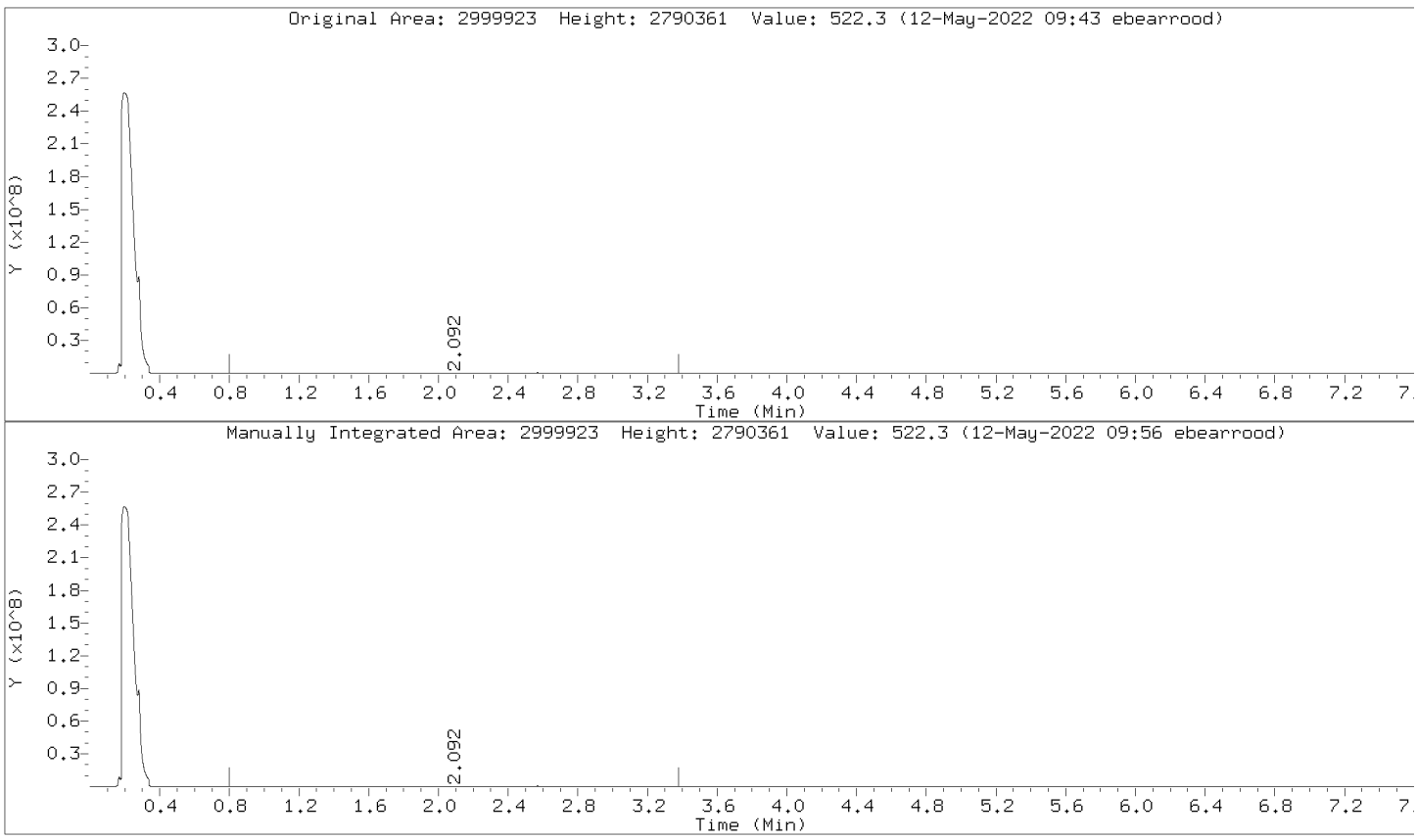
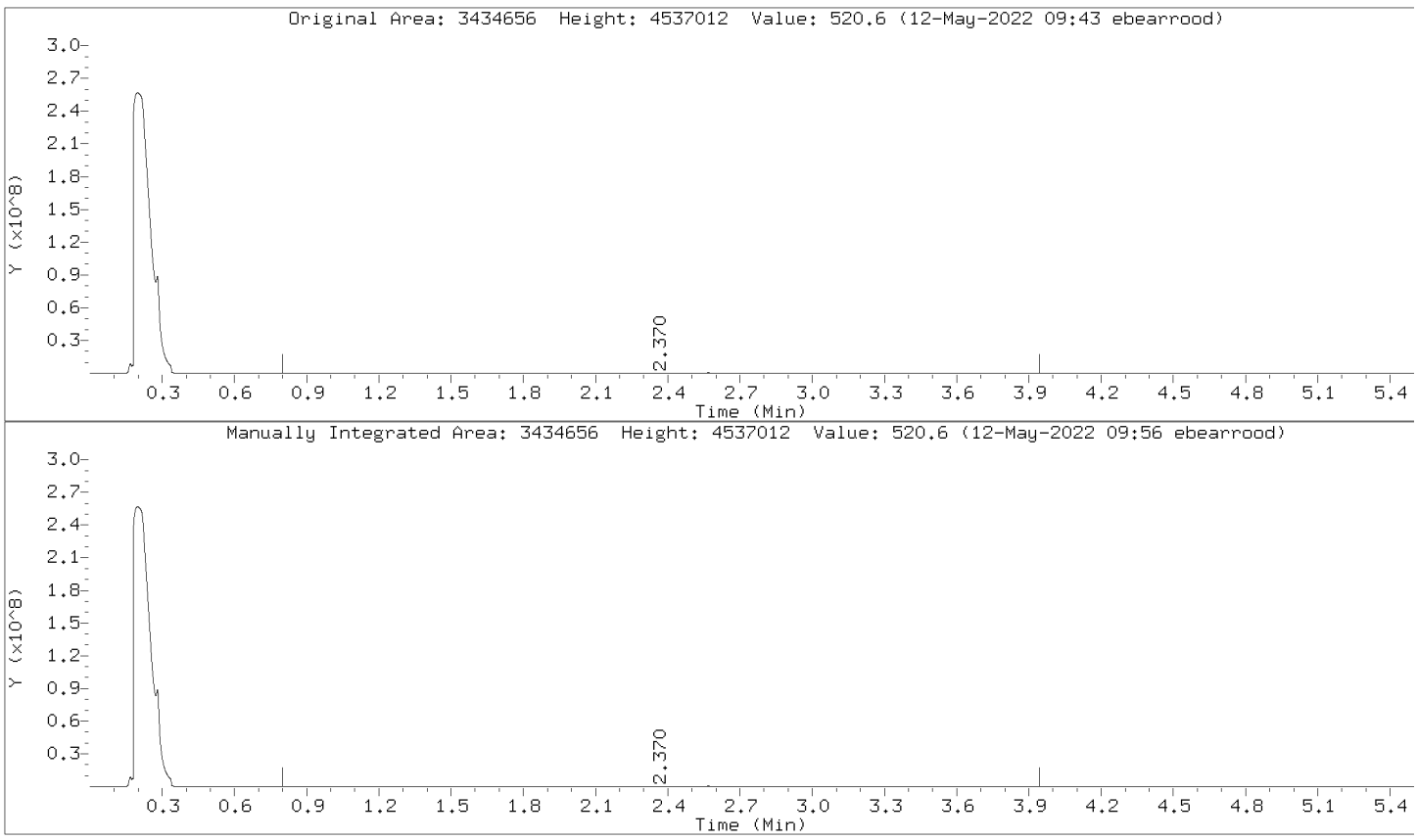
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



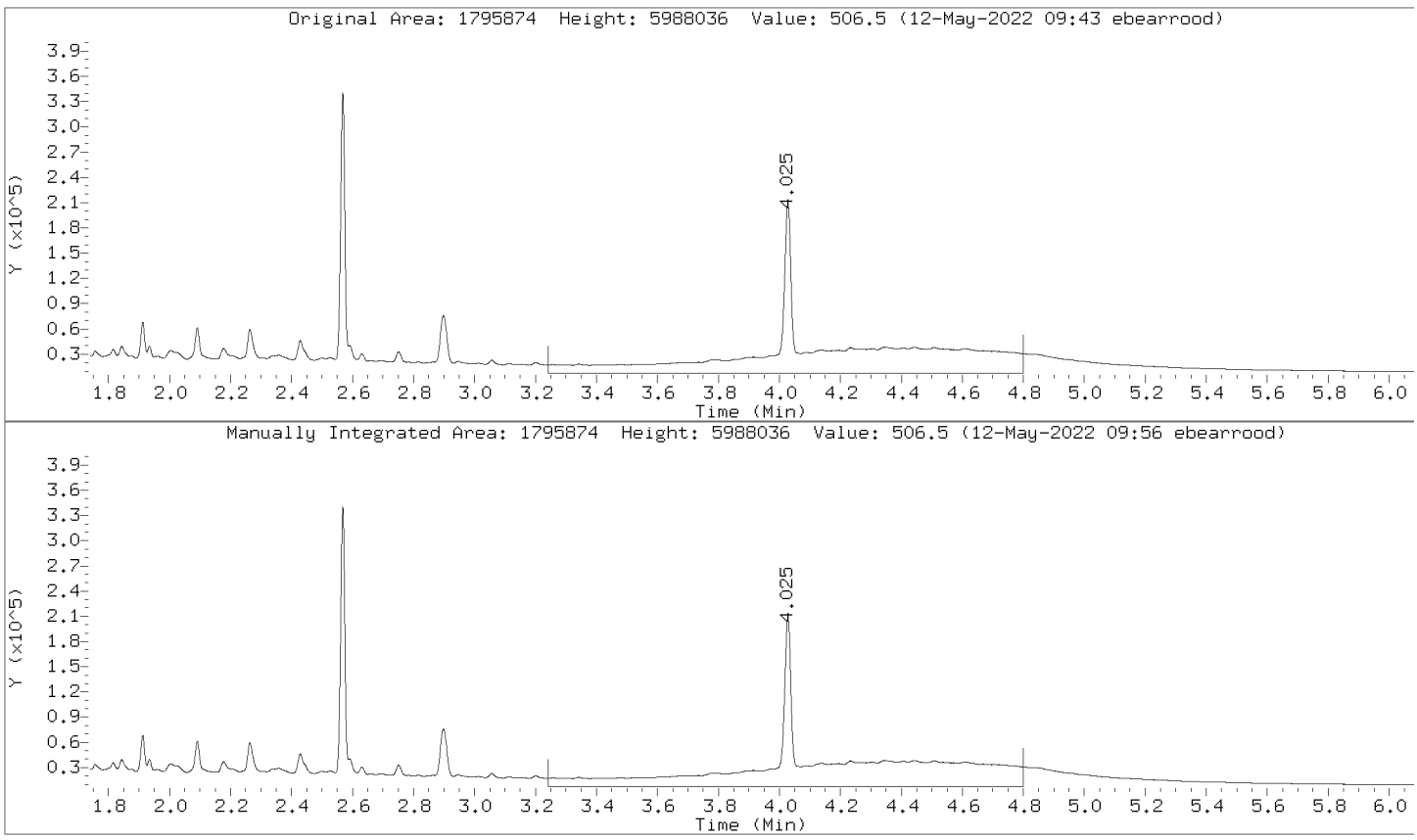
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000062.D
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



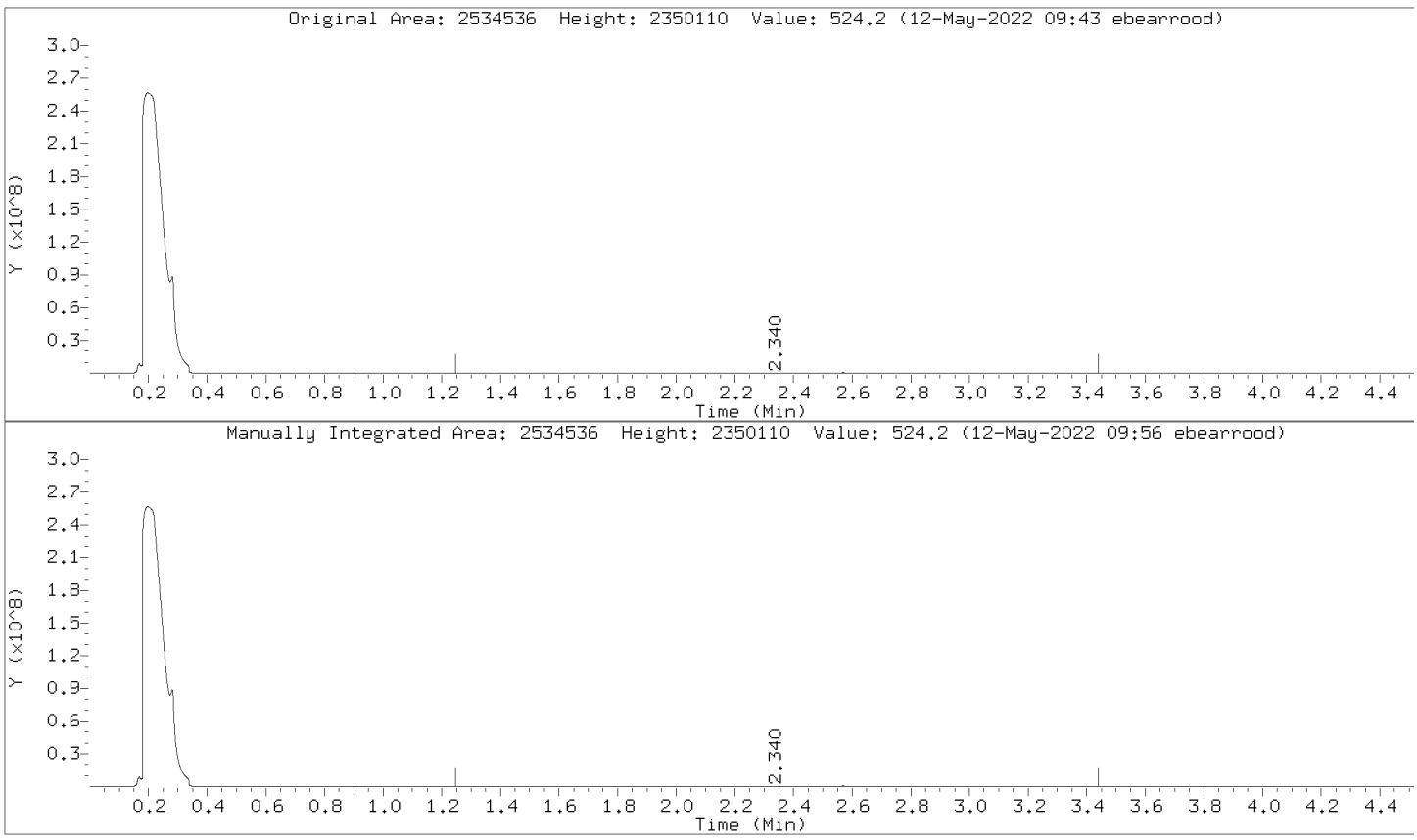
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000062.D
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



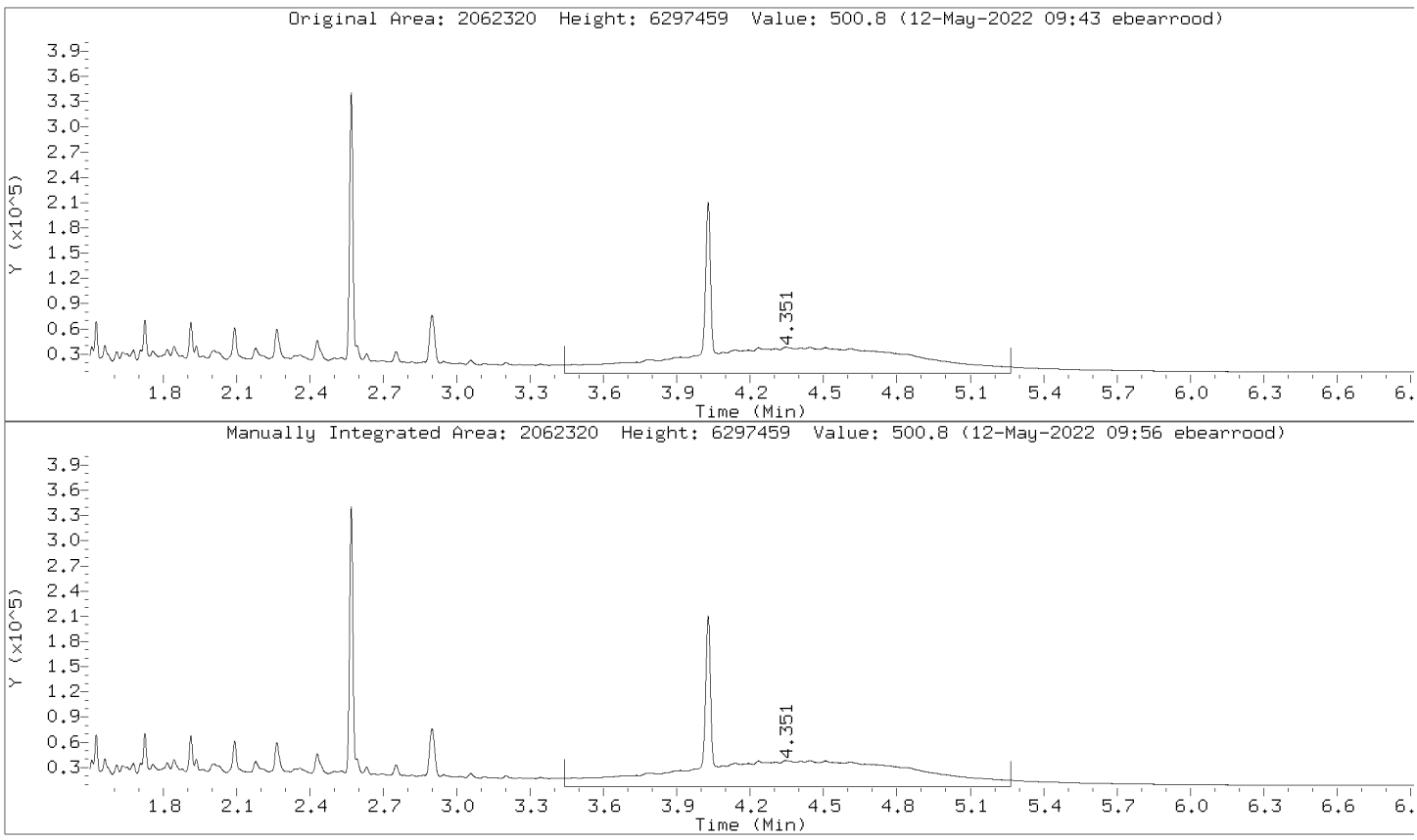
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000062.D
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



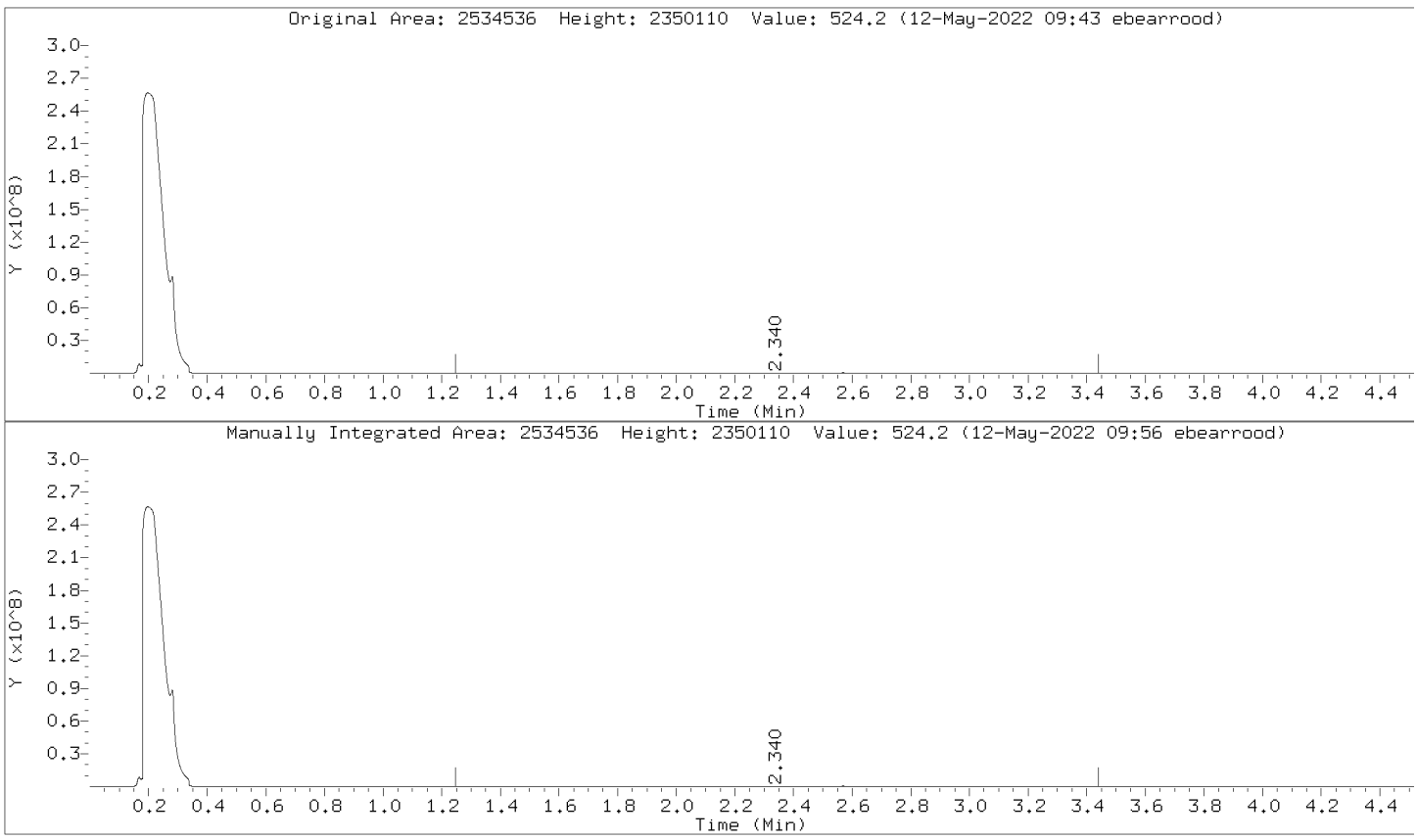
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000062.D
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



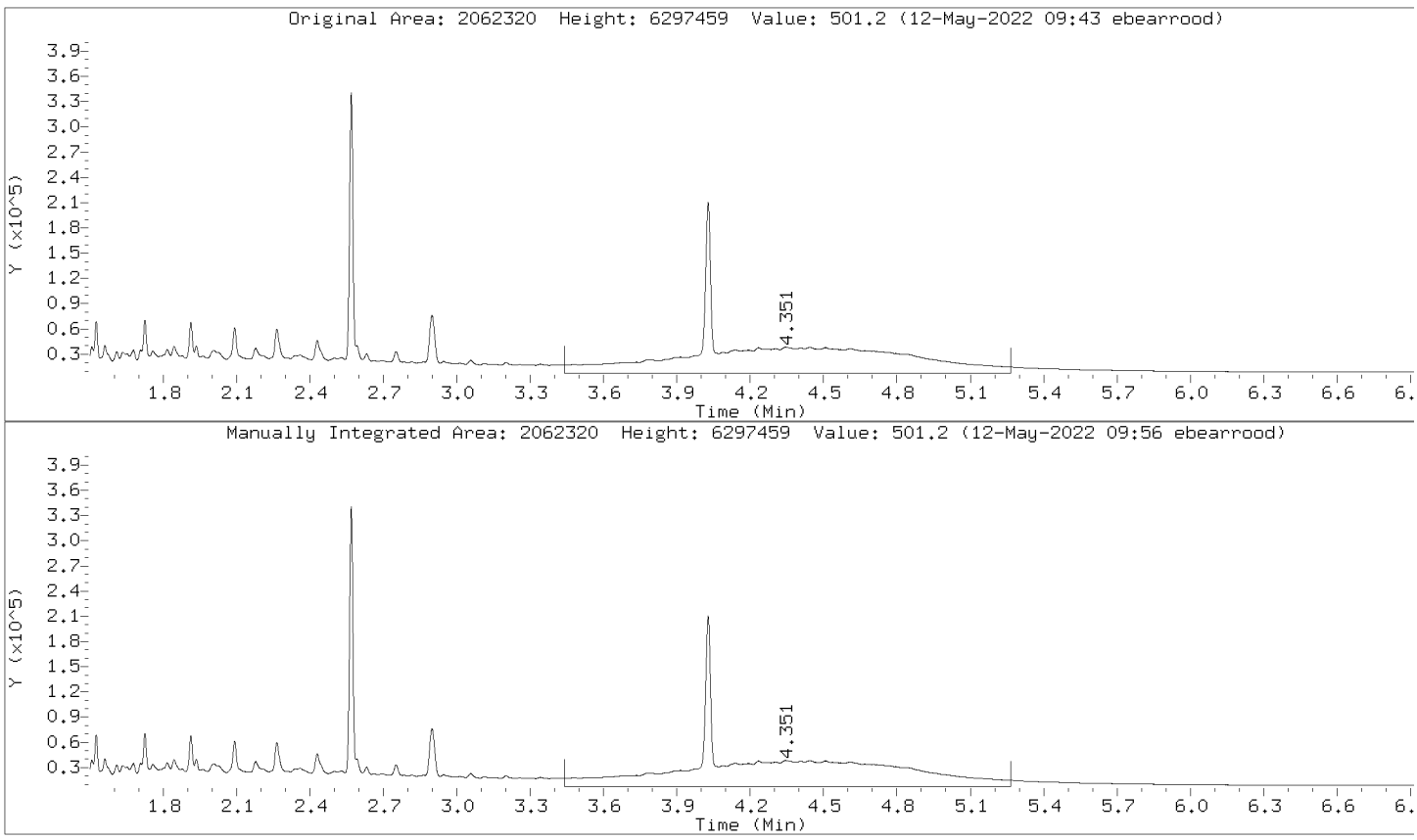
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000062.D
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



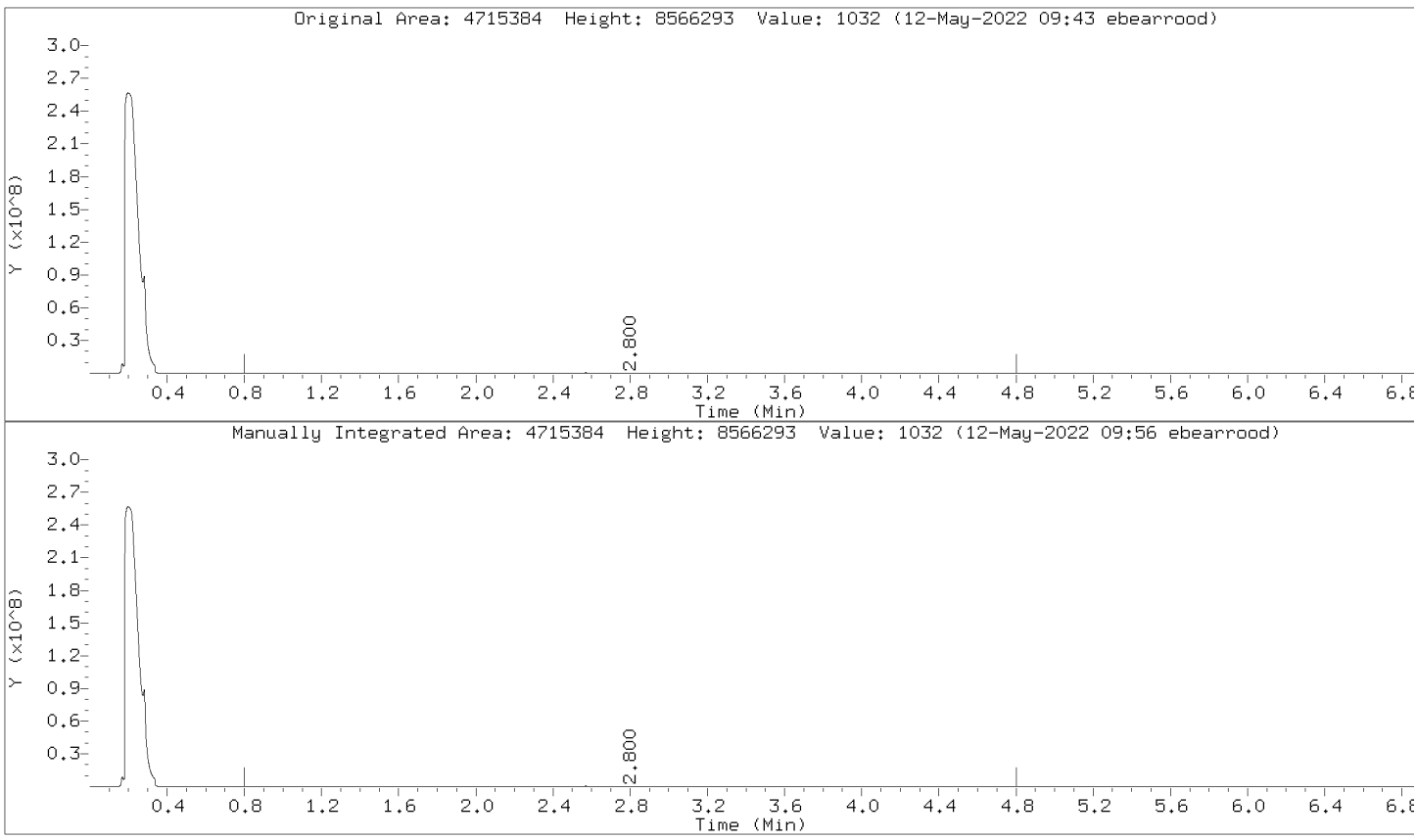
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000062.D
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



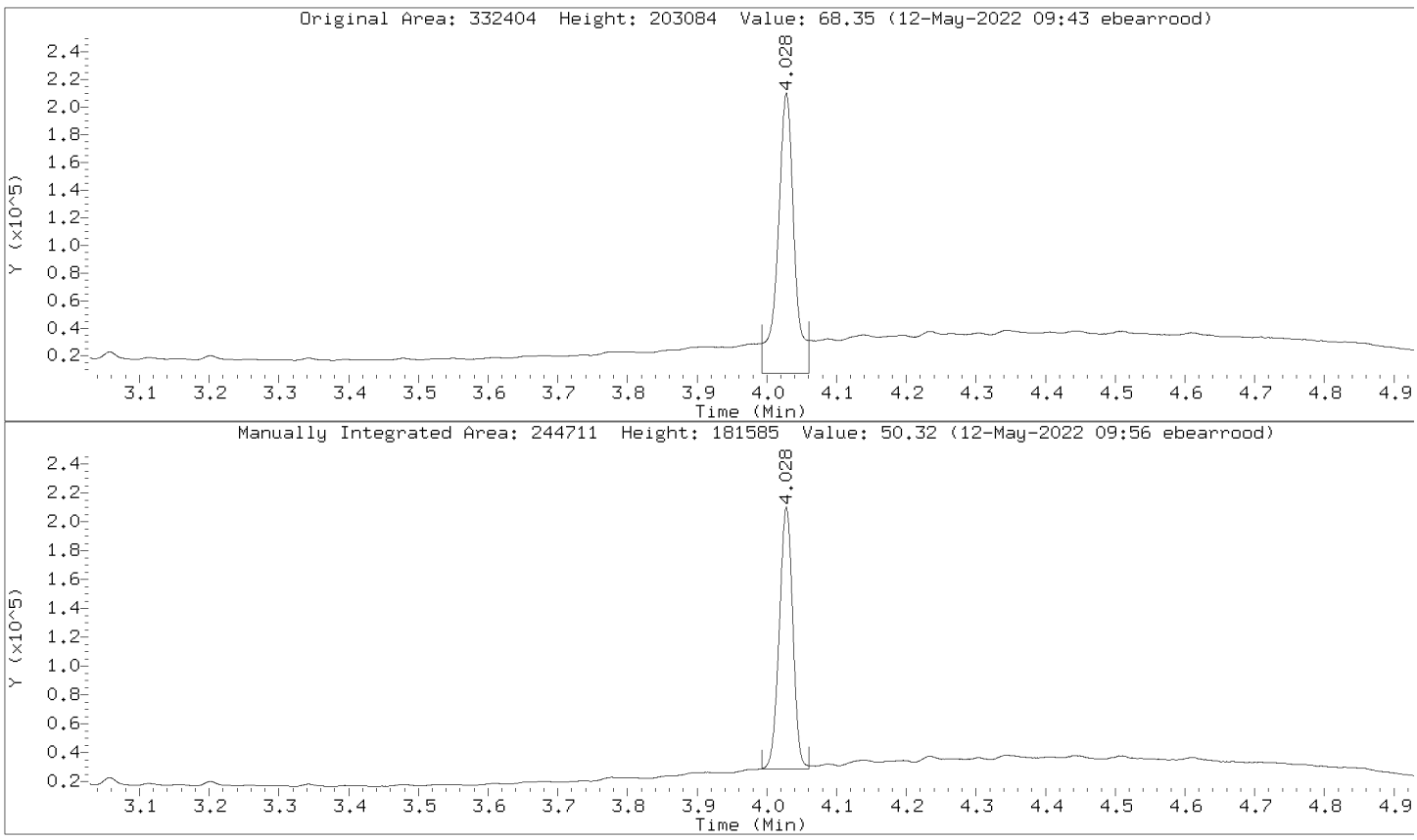
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000062.D
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: C10-C36 Review Code: RNG
CAS Number:



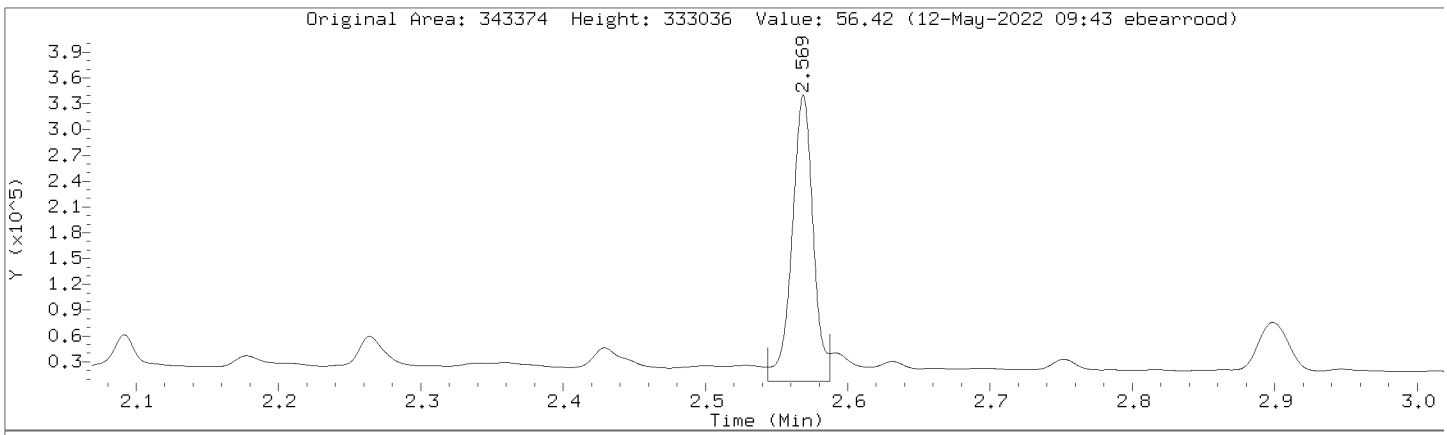
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000062.D
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

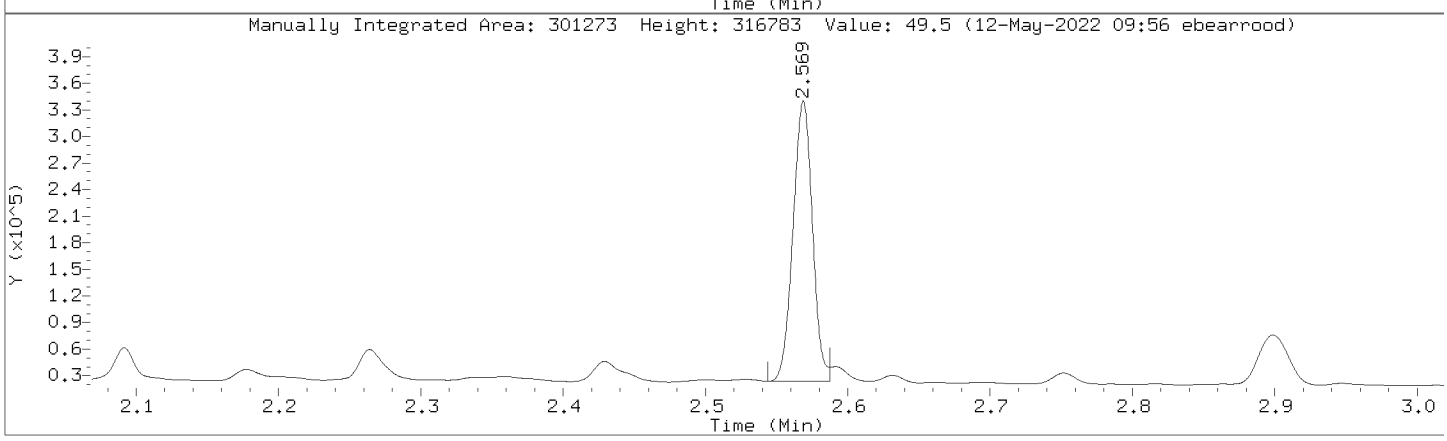
Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000062.D
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:





Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1715460	1715460
DRO by AK 102	2999923	2999923
TPH-DRO (C10-C28)	3434656	3434656
Motor Oil Range (C24-C36)	1795874	1795874
Diesel Fuel Range	2534536	2534536
Motor Oil Range	2062320	2062320
Diesel Fuel Range SG	2534536	2534536
Motor Oil Range SG	2062320	2062320
C10-C36	4715384	4715384
n-Triacontane (S)	332404	244711
o-Terphenyl (S)	343374	301273

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000076.D
Lab Smp Id: DMO-CCV,363721:2 Client Smp ID: DMO-CCV,363721:2
Inj Date : 12-MAY-2022 03:31
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-ccv,363721:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

			AMOUNTS			
				CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE
S 1 DRO by AK 102					CAS #:	
0.800	- 3.385		3039834	500.000	530	(M) RNG
$ 2 o-Terphenyl (S)					CAS #:	
2.568	2.568	0.000	306138	50.0000	50.3	(M) BA
$ 3 n-Triacontane (S)					CAS #:	
4.028	4.028	0.000	249335	50.0000	51.3	(M) BA
S 4 Residual Range Organics AK103					CAS #:	
3.386	- 4.800		1731816	500.000	511	(M) RNG
S 5 TPH-DRO (C10-C28)					CAS #:	
0.800	- 3.940		3475751	500.000	527	(M) RNG
S 6 Motor Oil Range (C24-C36)					CAS #:	
3.250	- 4.800		1812199	500.000	511	(M) RNG
S 7 C10-C36					CAS #:	
0.800	- 4.800		4771651	1000.00	1040	(M) RNG
S 8 Diesel Fuel Range					CAS #:	
1.240	- 3.440		2567146	500.000	532	(M) RNG
S 9 Diesel Fuel Range SG					CAS #:	
1.240	- 3.440		2567146	500.000	532	(M) RNG
S 10 Motor Oil Range					CAS #:	
3.441	- 5.260		2063970	500.000	501	(M) RNG
S 11 Motor Oil Range SG					CAS #:	
3.441	- 5.260		2063970	500.000	502	(M) RNG

QC Flag Legend

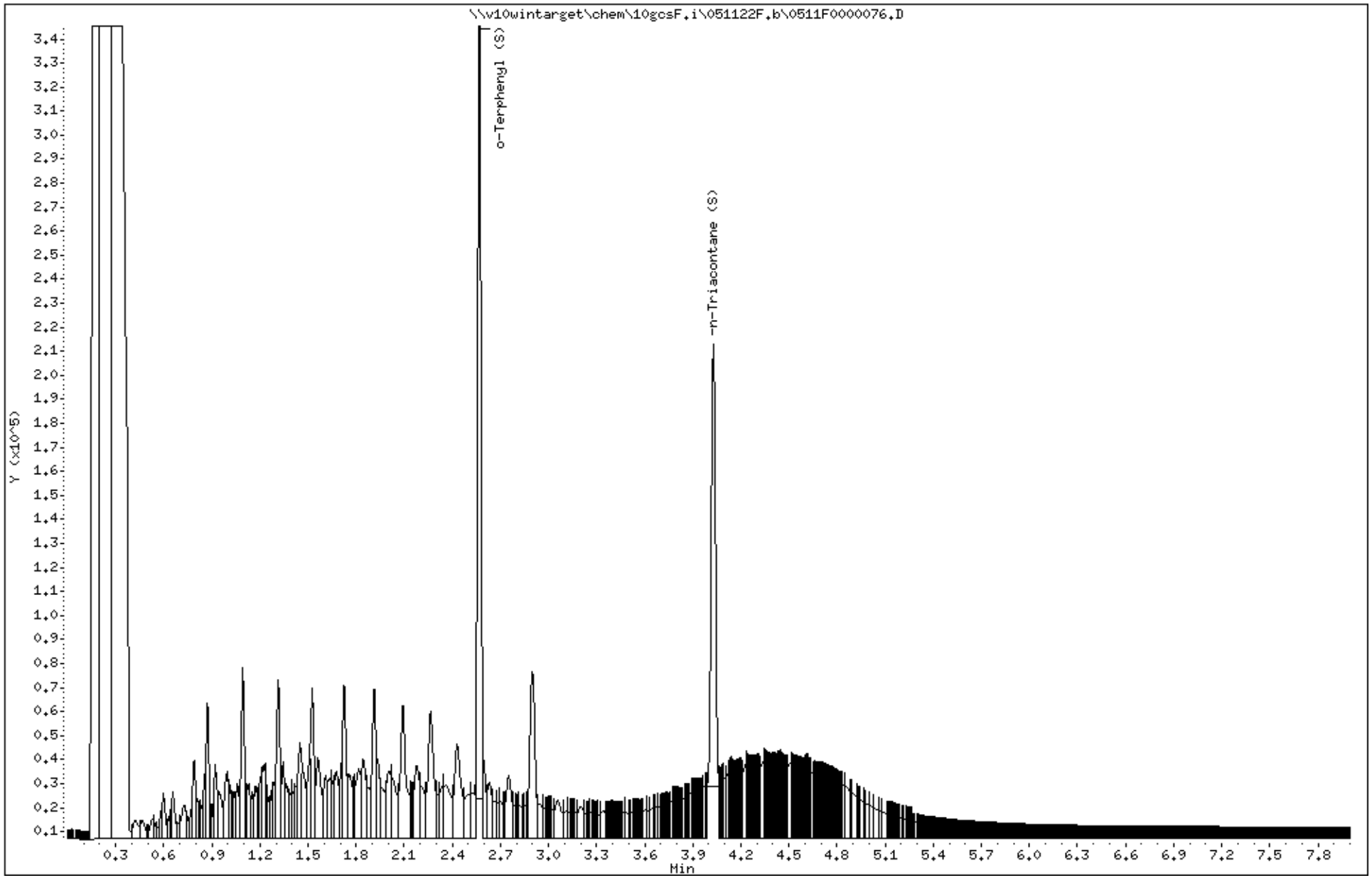
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000076.D
Date : 12-MAY-2022 03:31
Client ID: DMO-CCV,363721:2
Sample Info: DMO-CCV,363721:2

Instrument: 10gcsF.i
Operator: EB3
Column phase: DB-5-US21390001
Column diameter: 0.32



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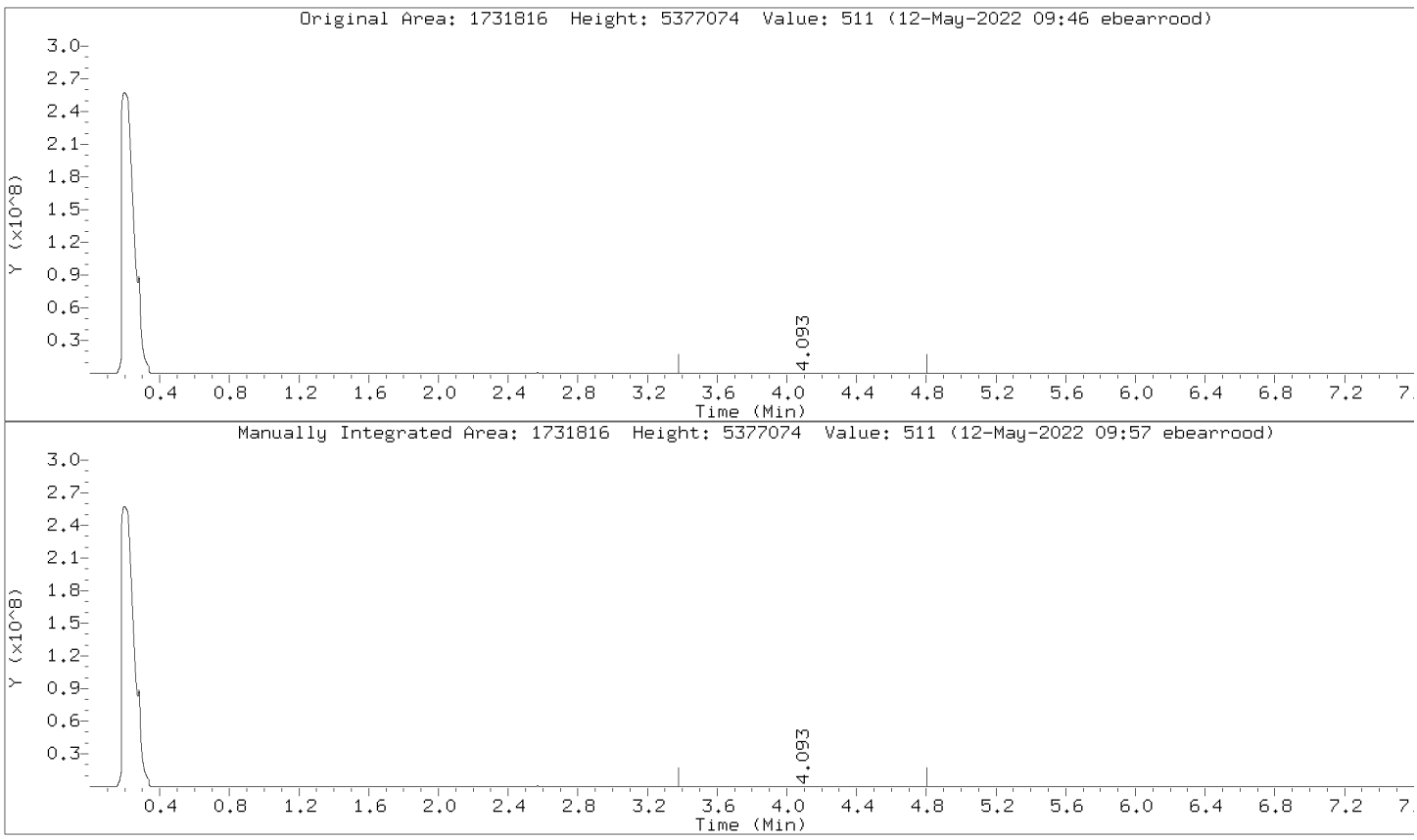
222 of 710
10606560

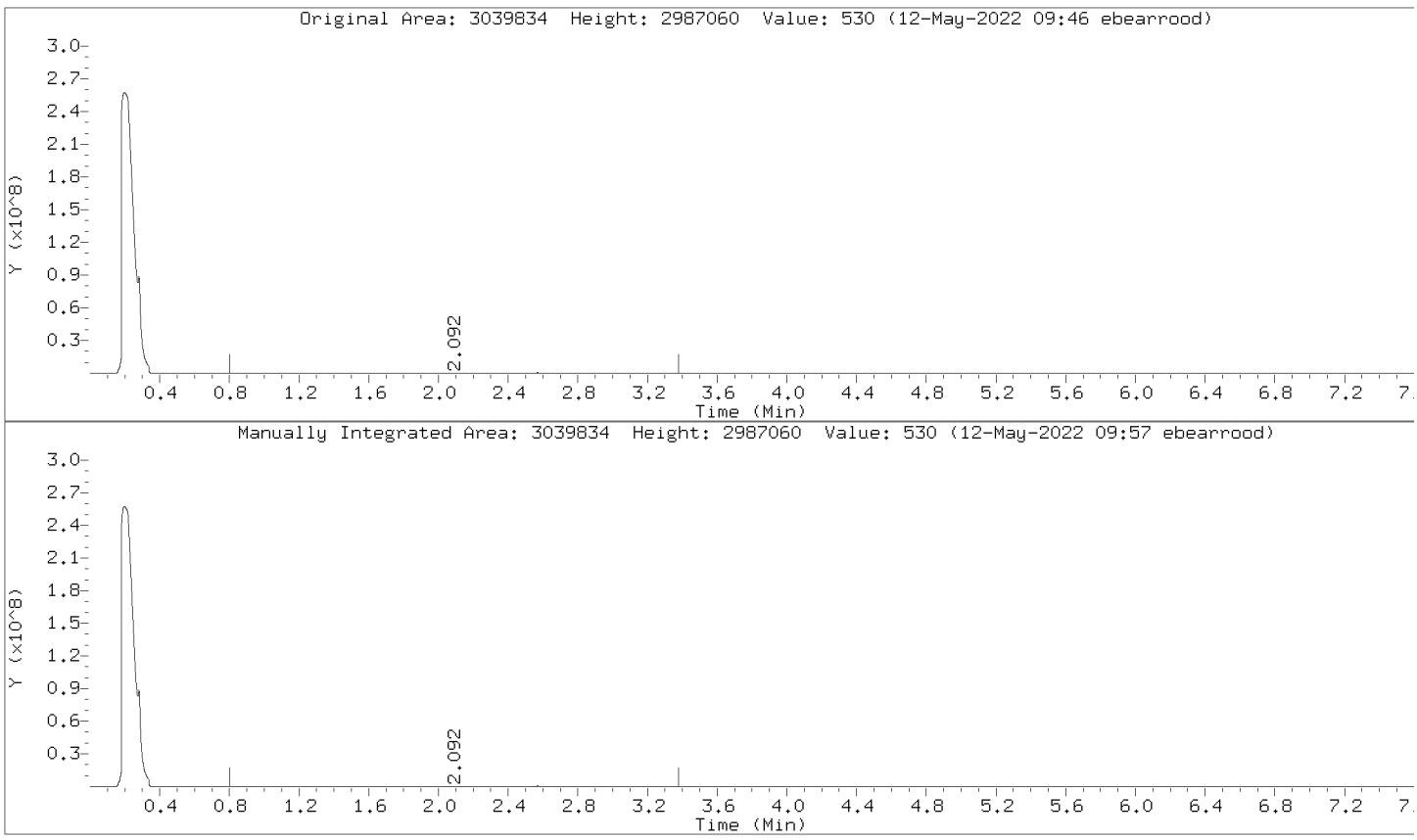
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000076.D
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



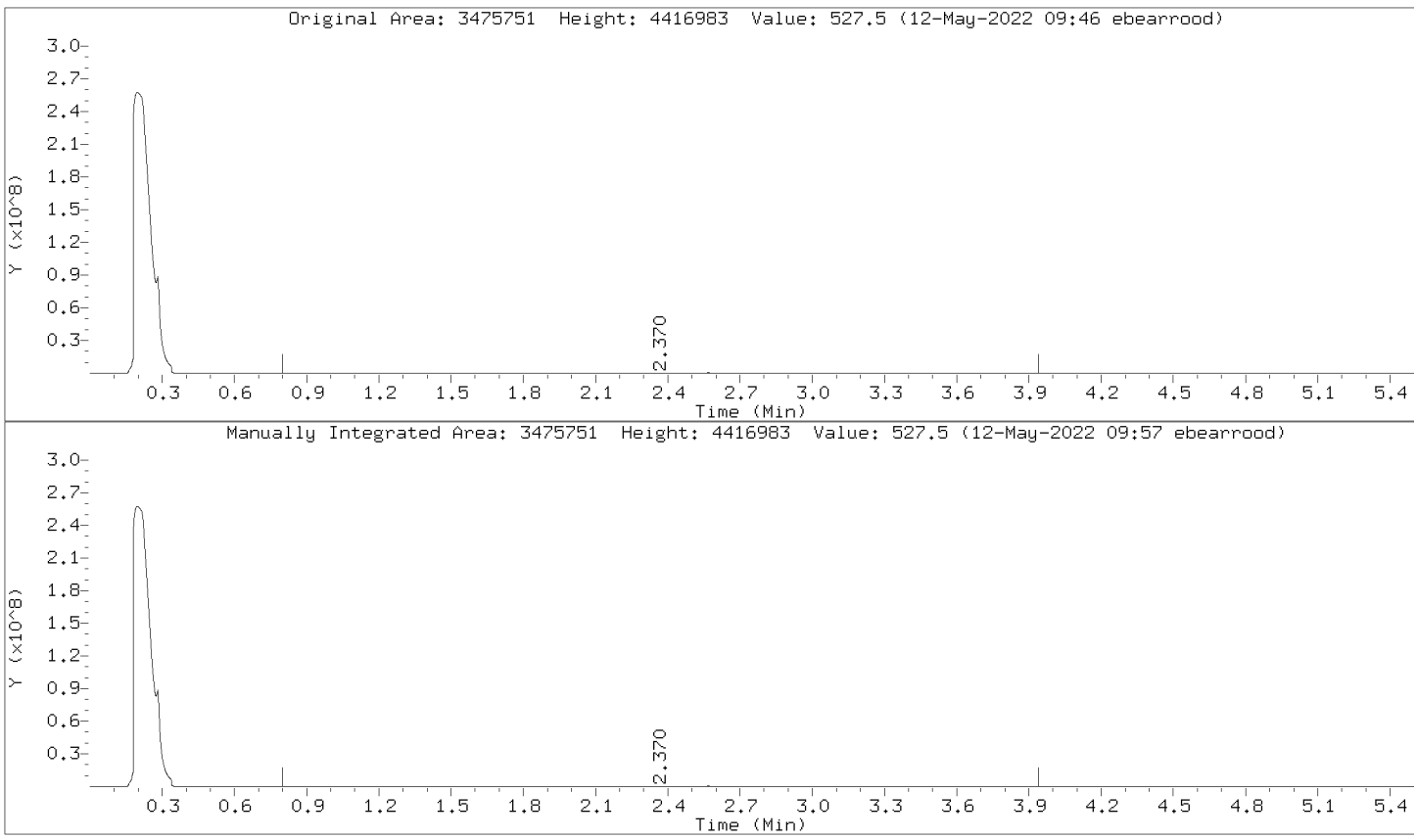
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000076.D
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



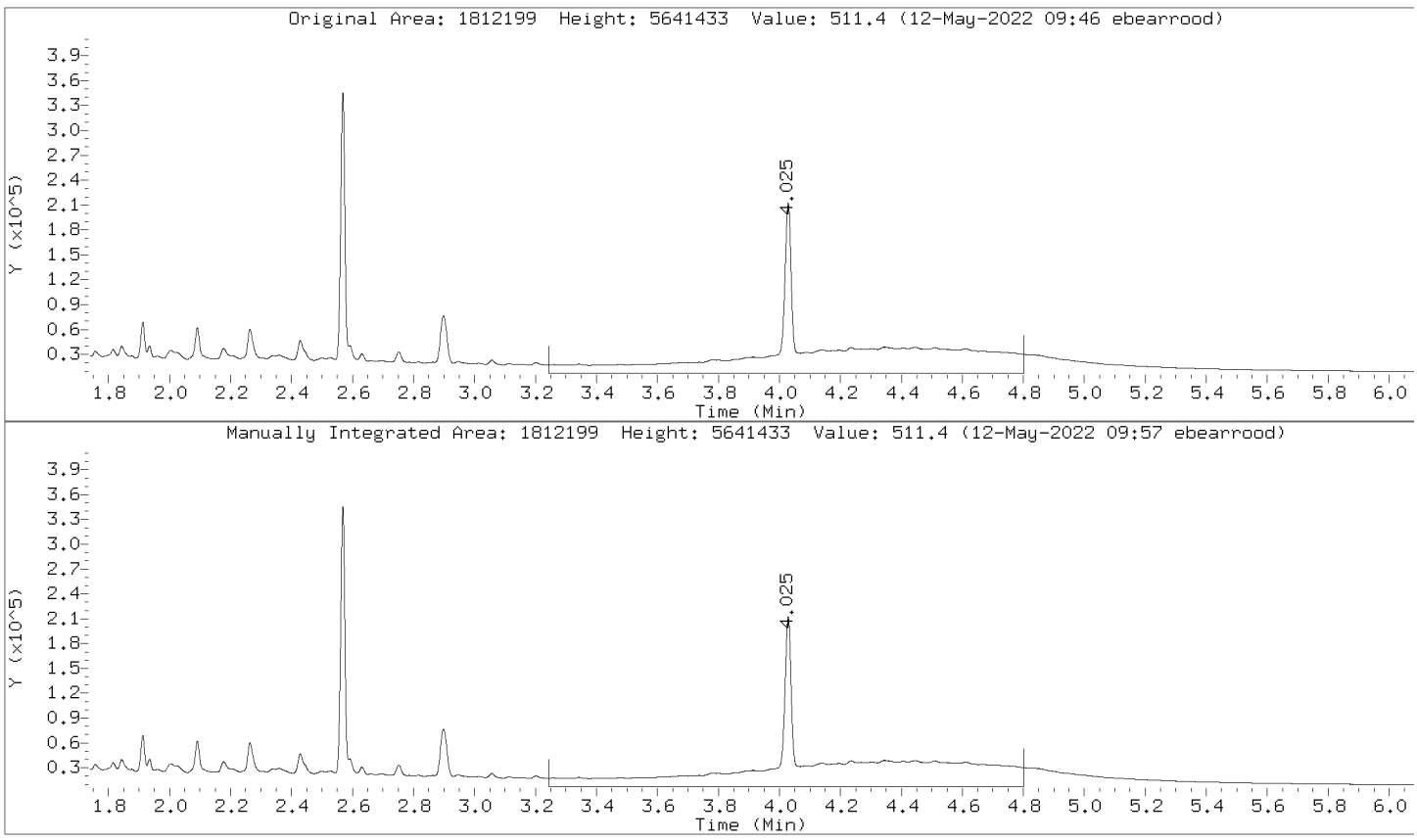
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000076.D
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



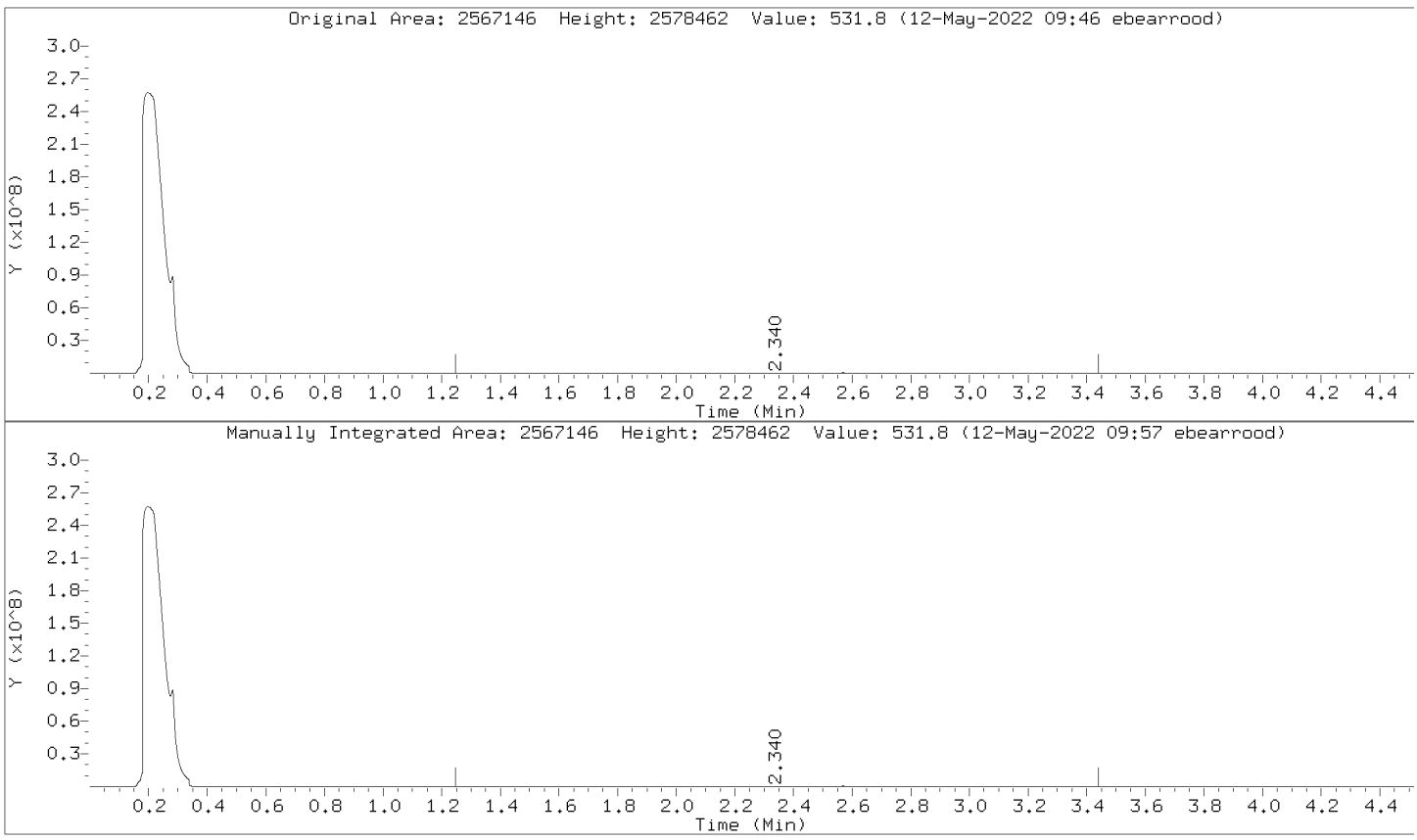
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000076.D
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



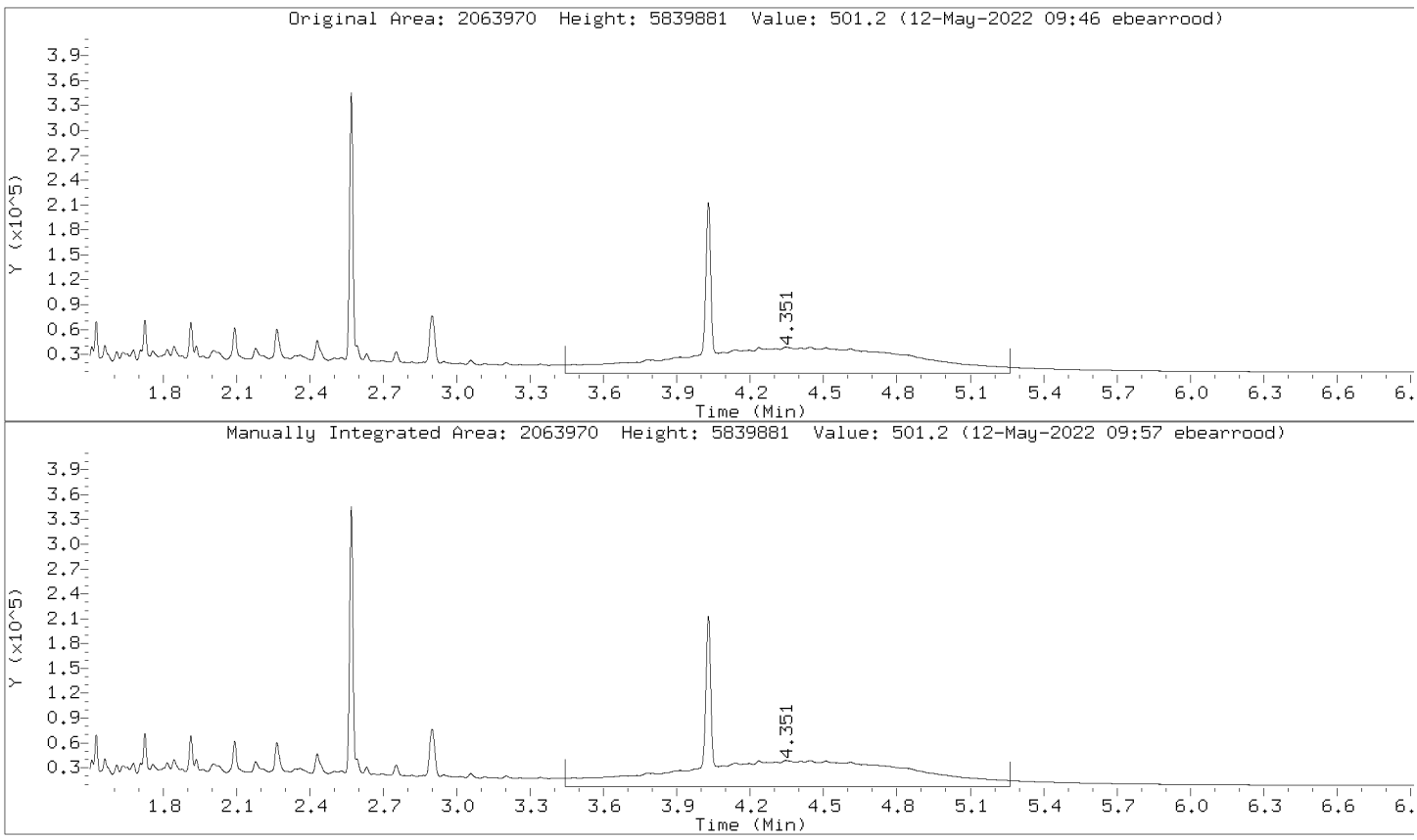
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000076.D
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



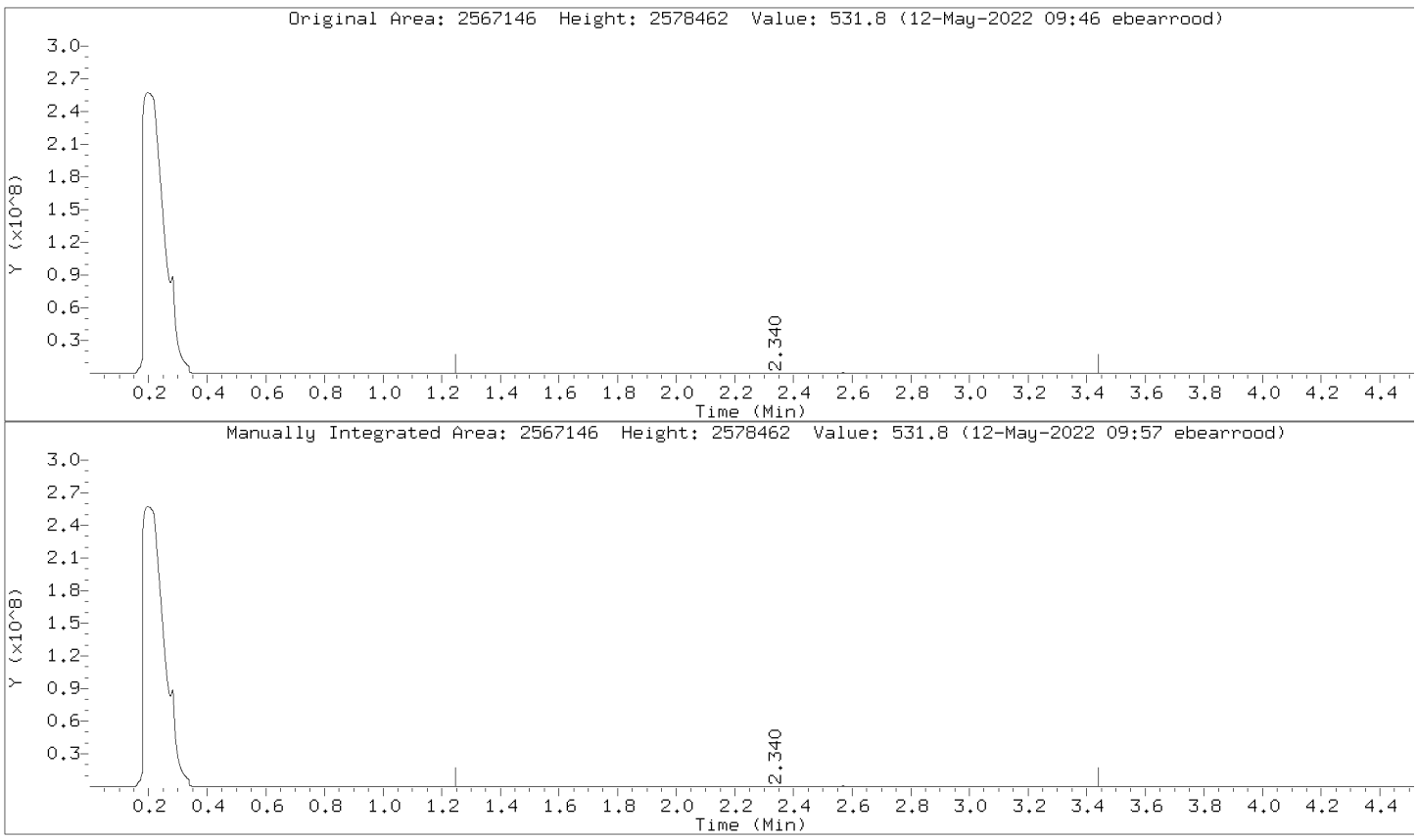
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000076.D
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



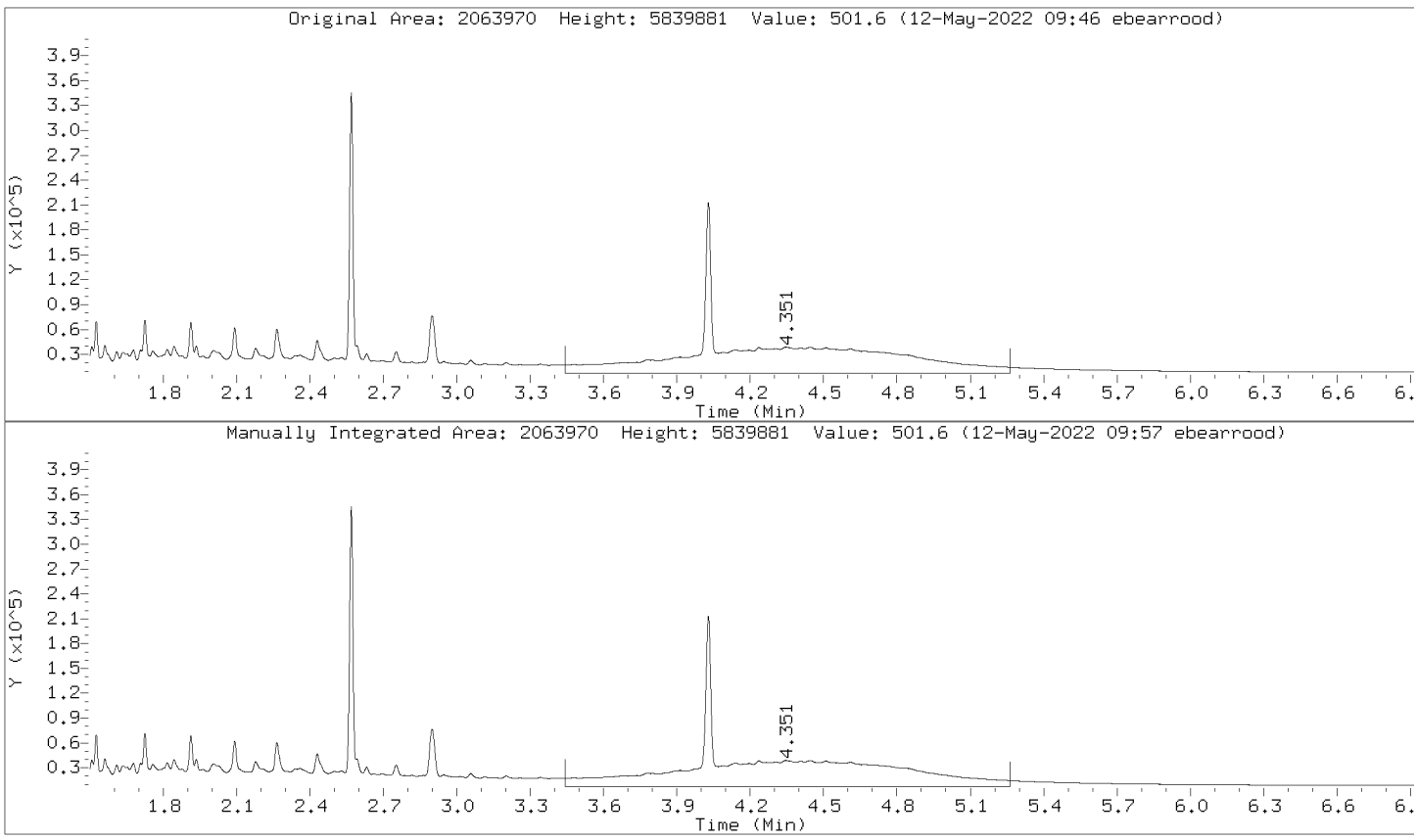
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000076.D
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000076.D
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



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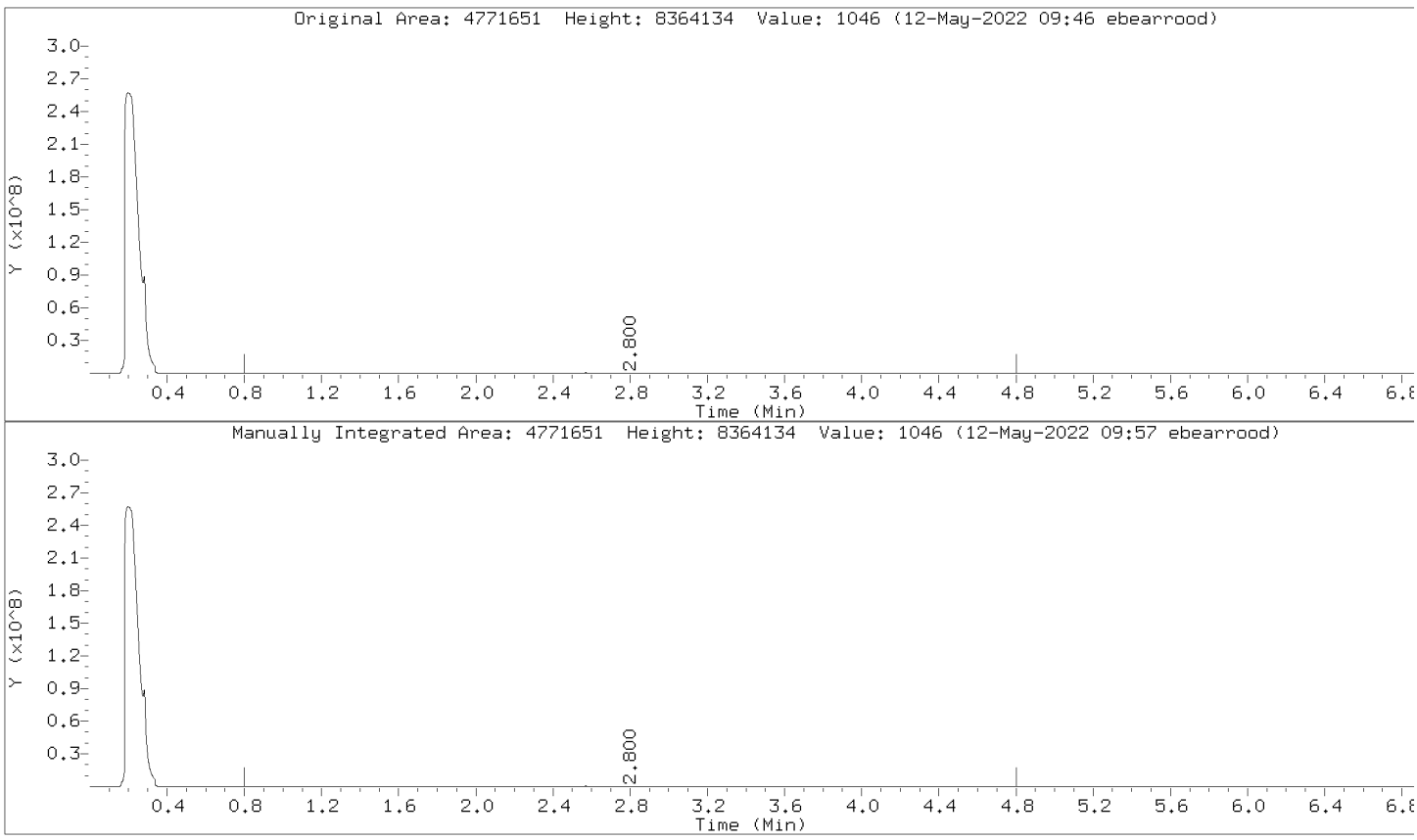
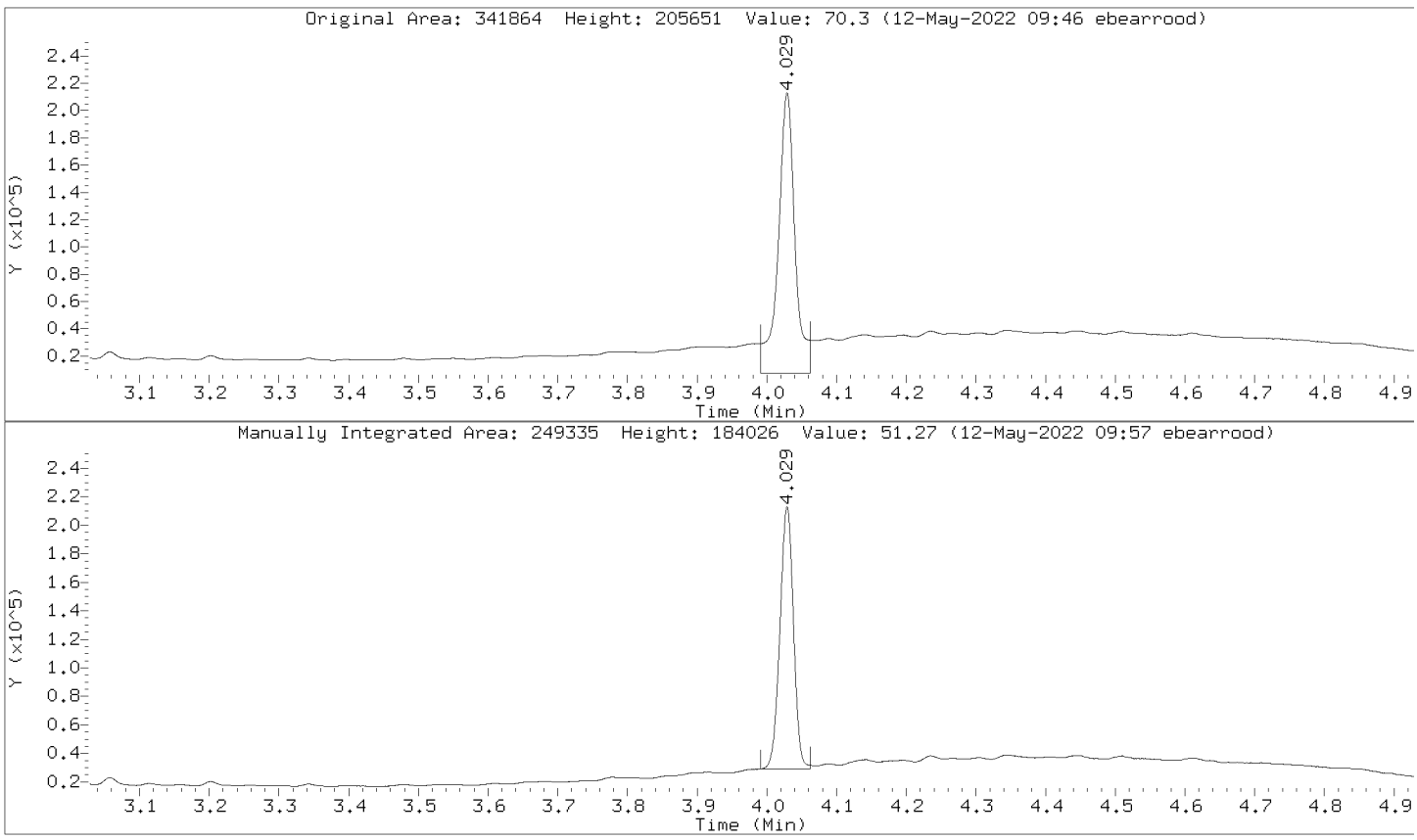
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: C10-C36 Review Code: RNG
CAS Number:



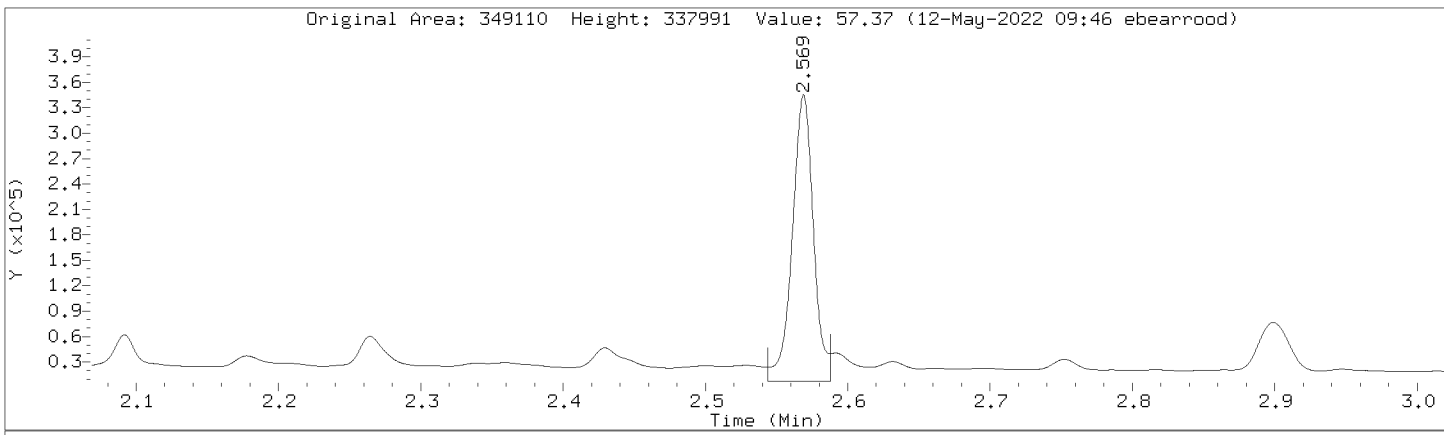
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000076.D
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

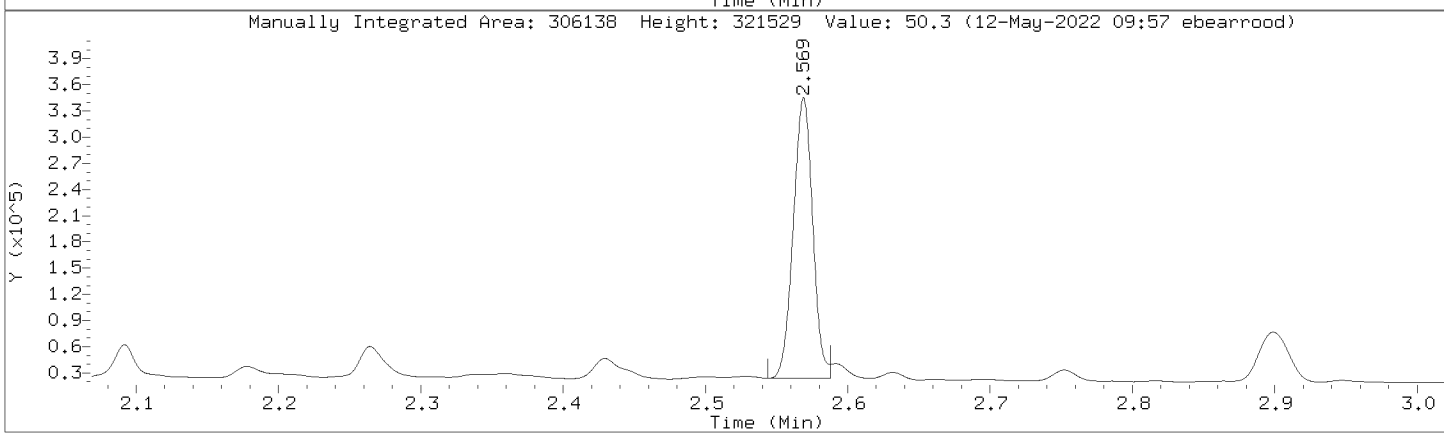
Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000076.D
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:





Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1731816	1731816
DRO by AK 102	3039834	3039834
TPH-DRO (C10-C28)	3475751	3475751
Motor Oil Range (C24-C36)	1812199	1812199
Diesel Fuel Range	2567146	2567146
Motor Oil Range	2063970	2063970
Diesel Fuel Range SG	2567146	2567146
Motor Oil Range SG	2063970	2063970
C10-C36	4771651	4771651
n-Triacontane (S)	341864	249335
o-Terphenyl (S)	349110	306138

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051222F.b\0512F0000045.D
Lab Smp Id: DMO-CCV,363721:2 Client Smp ID: DMO-CCV,363721:2
Inj Date : 12-MAY-2022 22:23
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-ccv,363721:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051222F.b\GCSFakNW8015-050922_3928
Meth Date : 13-May-2022 08:46 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)		REVIEW CODE
S 1 DRO by AK 102					CAS #:		
0.800	- 3.385		3017528	500.000	526	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.569	2.570	-0.001	302136	50.0000	49.6	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.030	4.031	-0.001	246077	50.0000	50.6	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.386	- 4.820		1712863	500.000	505	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.940		3445822	500.000	522	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		1795472	500.000	506	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		4730391	1000.00	1040	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		2545237	500.000	527	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		2545237	500.000	527	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		1991242	500.000	482	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		1991242	500.000	483	(M)	RNG

QC Flag Legend

M - Compound response manually integrated.

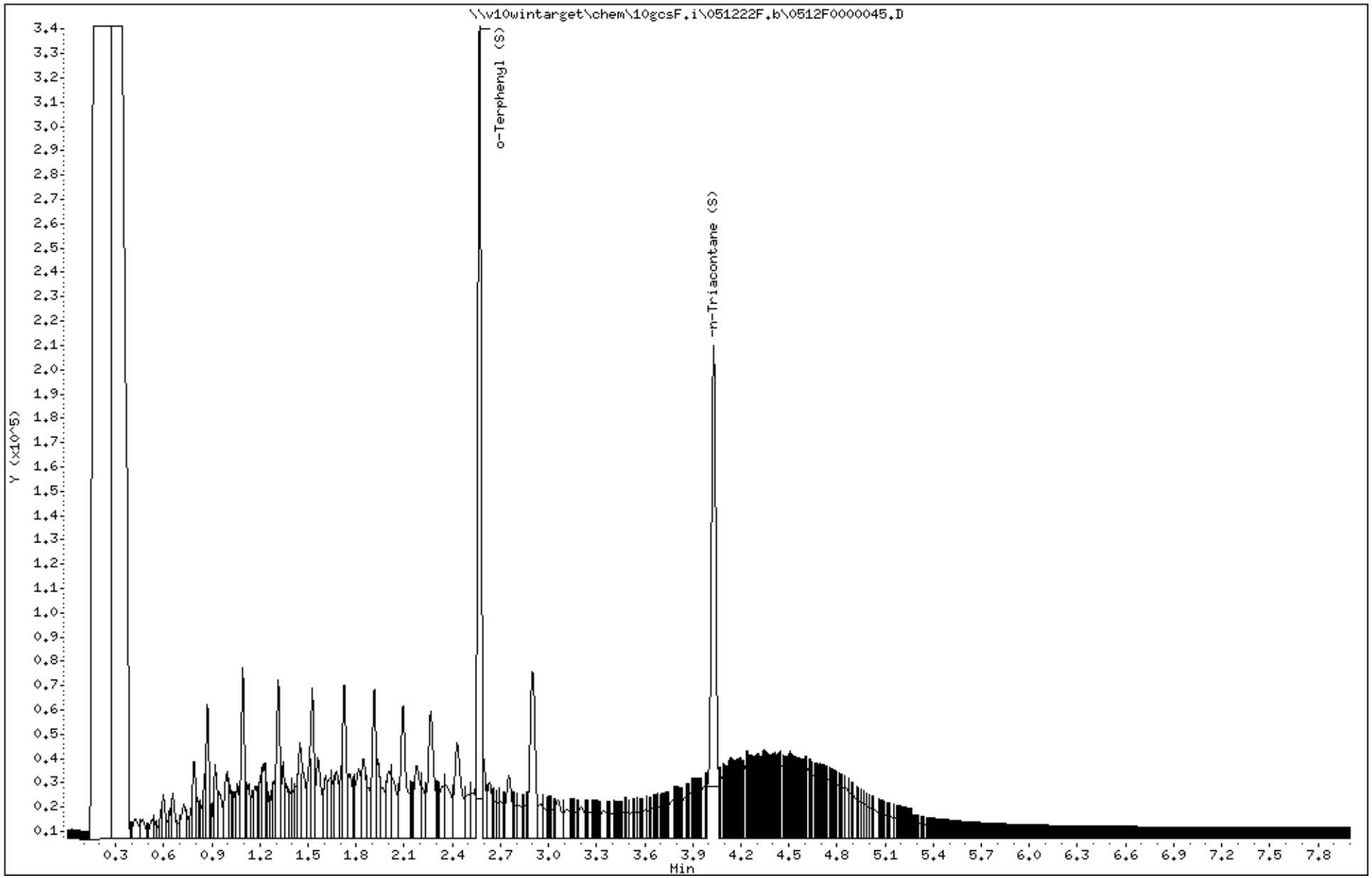
Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\051222F.b\0512F0000045.D
Date : 12-MAY-2022 22:23
Client ID: DMO-CCV,363721:2
Sample Info: DMO-CCV,363721:2

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32

Column phase: DB-5-US21390001



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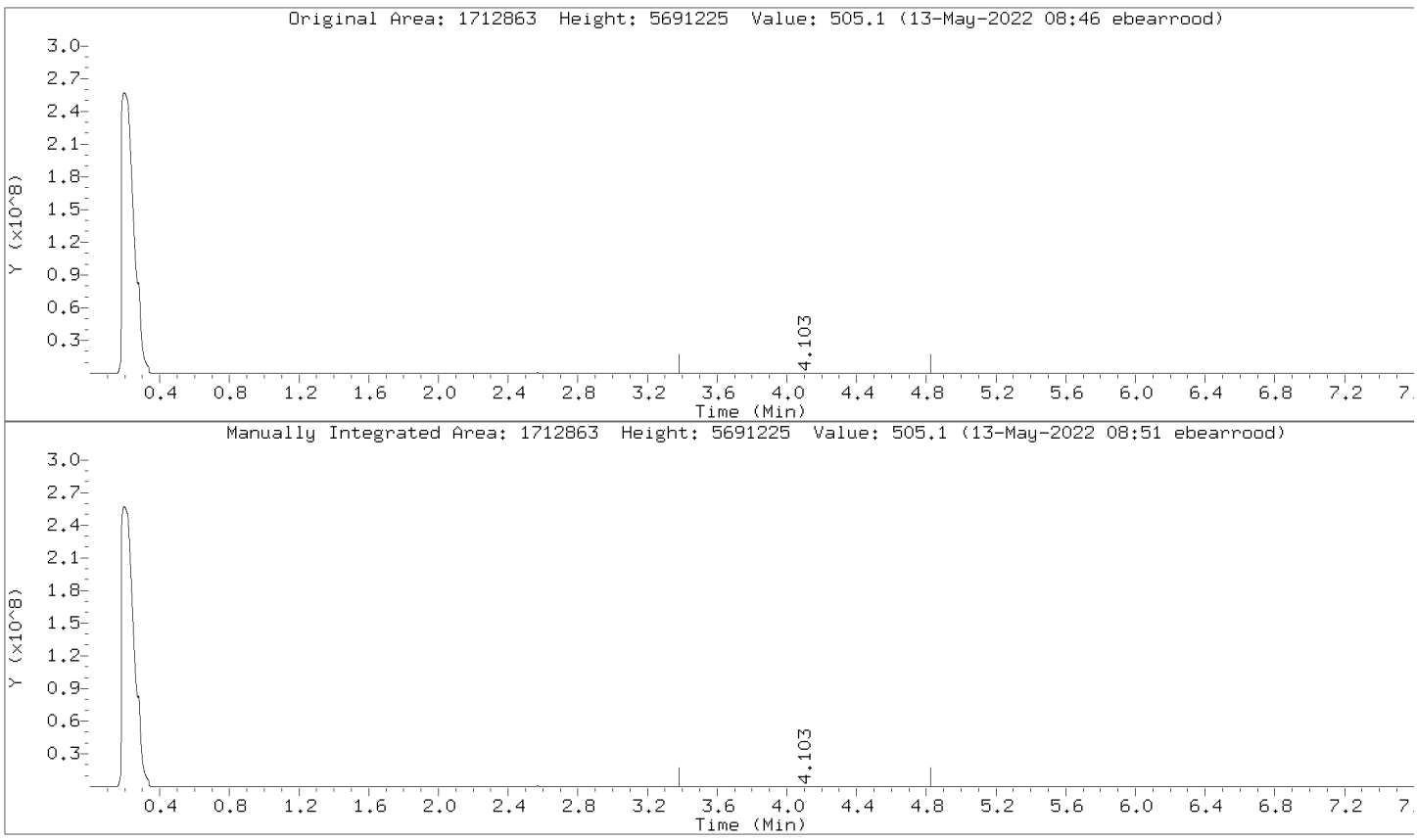
236 of 710
10606560

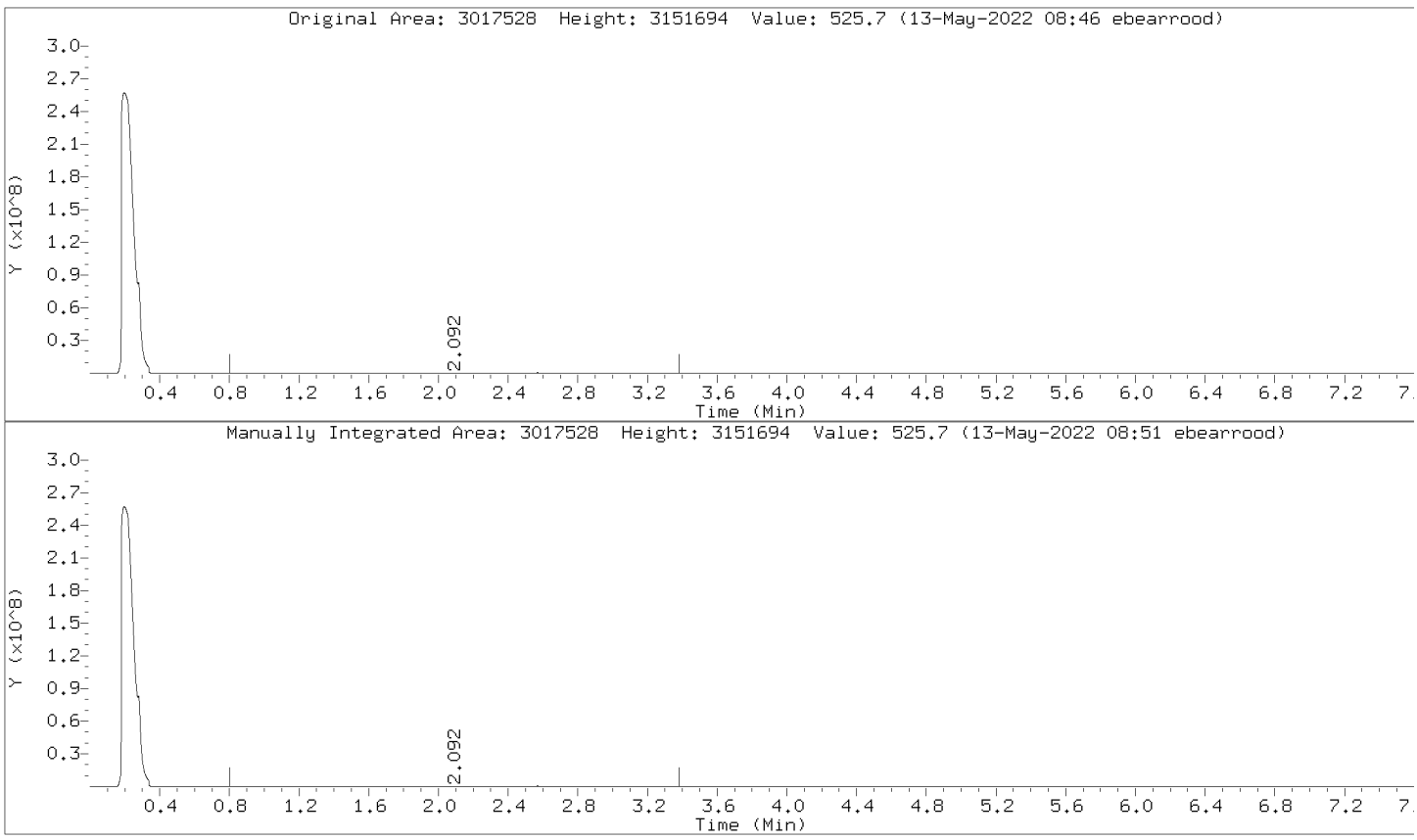
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000045.D
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



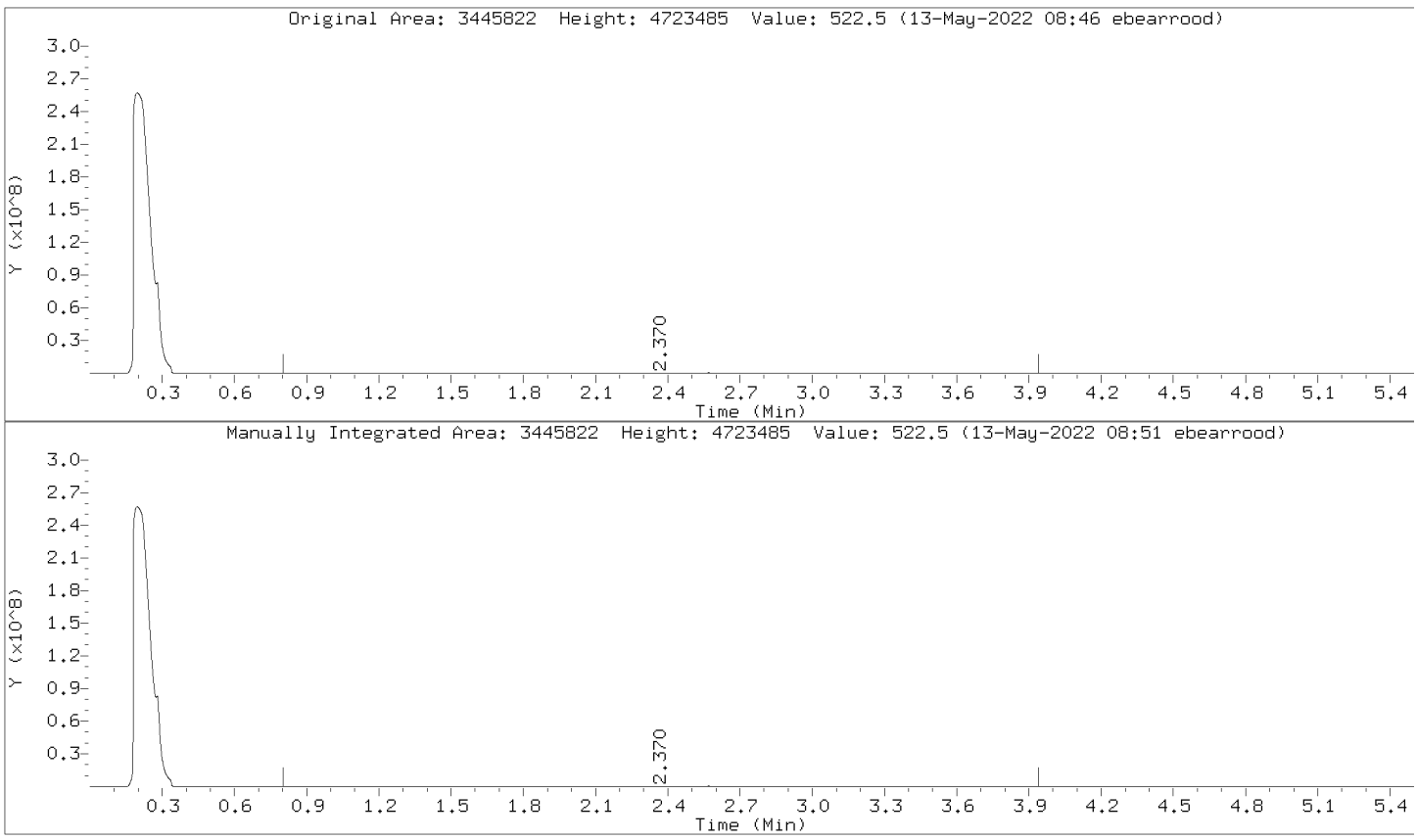
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000045.D
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



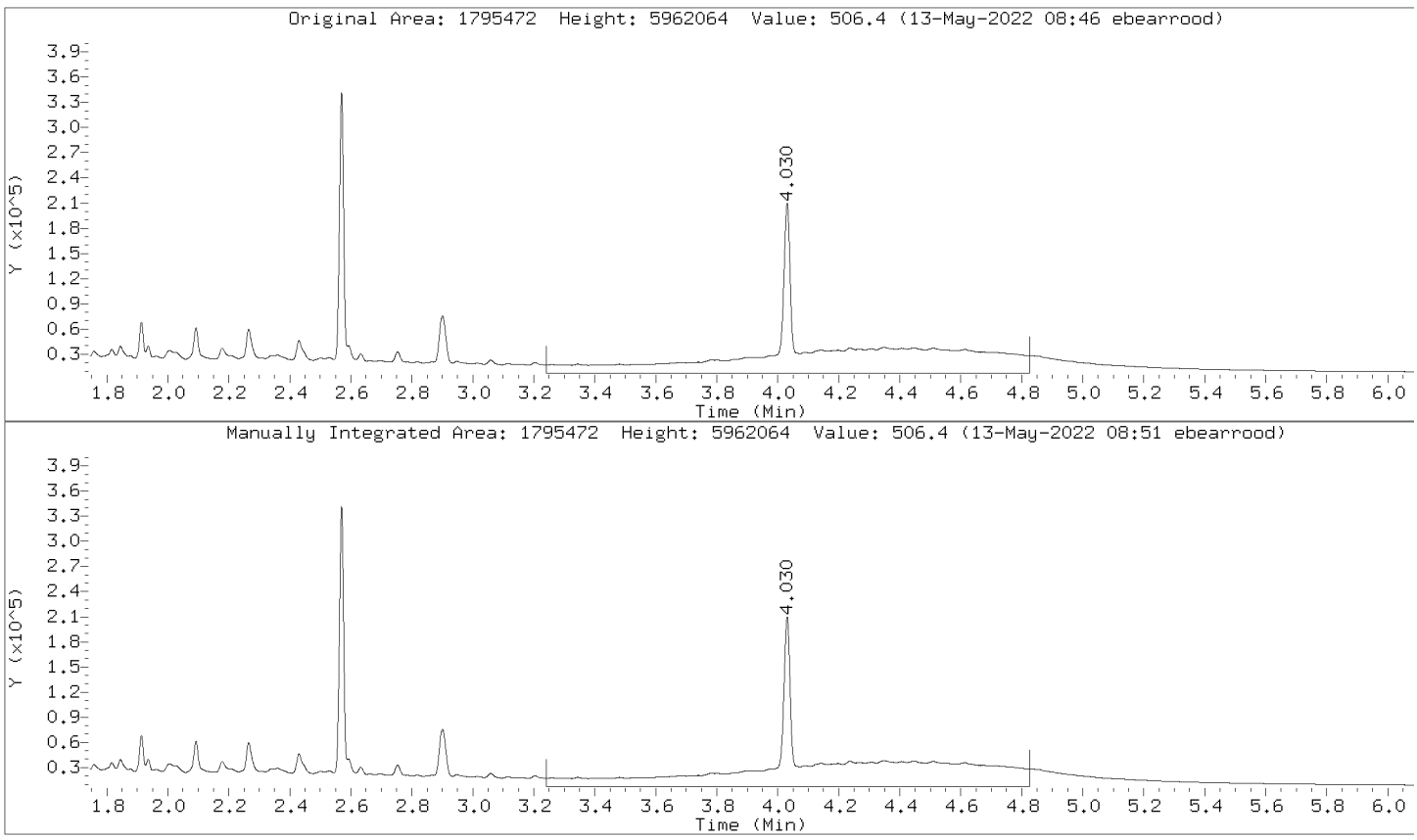
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000045.D
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



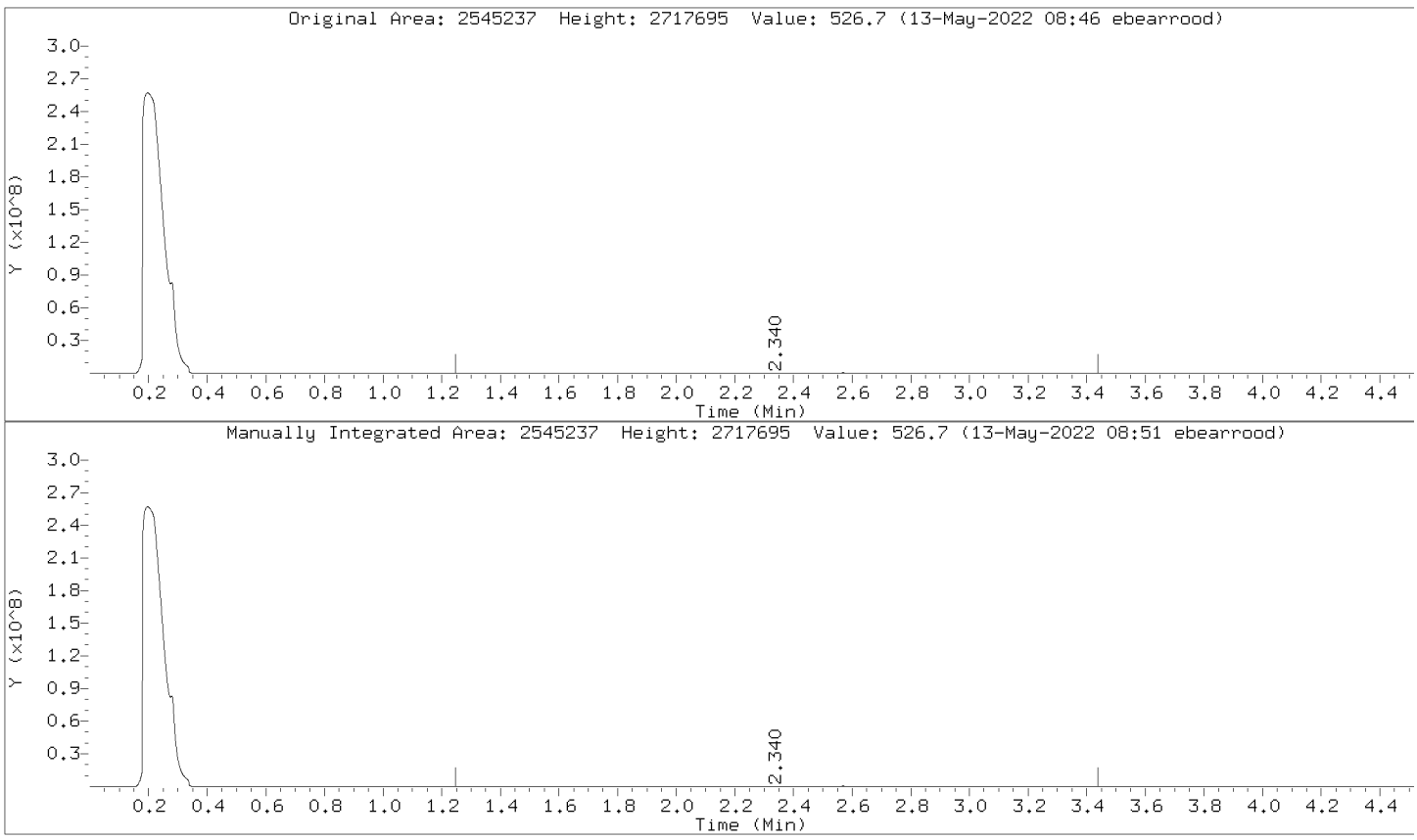
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000045.D
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000045.D
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



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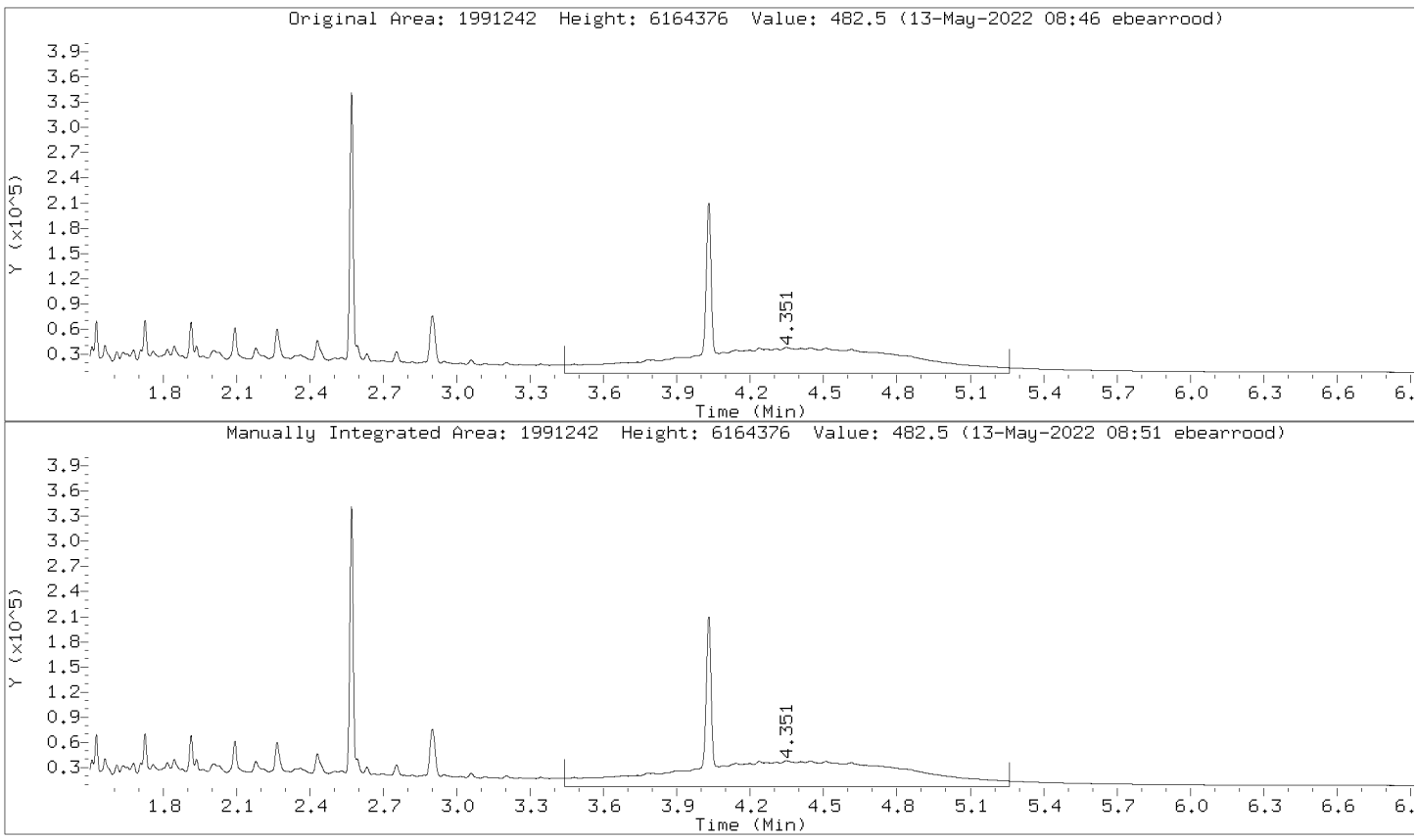
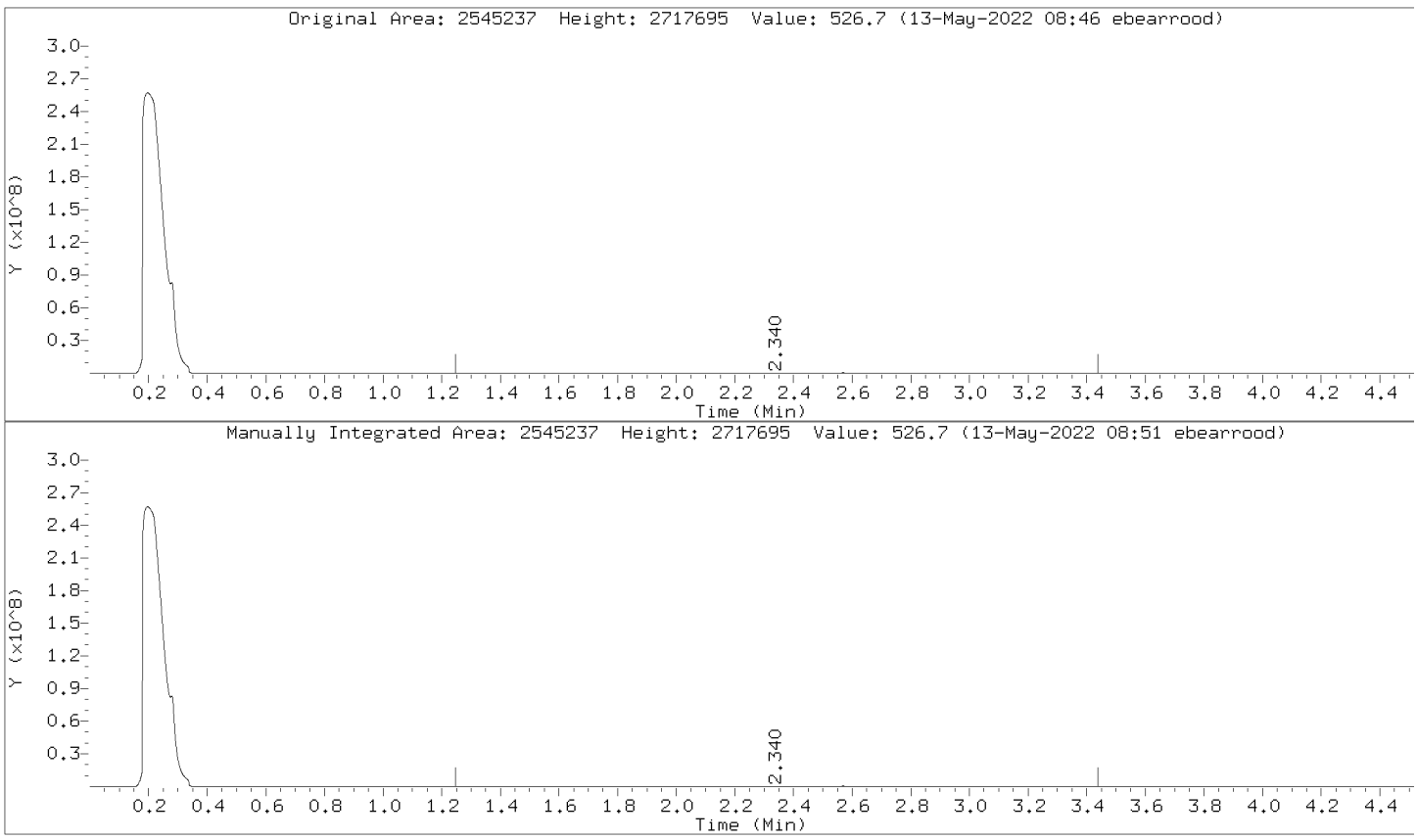
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



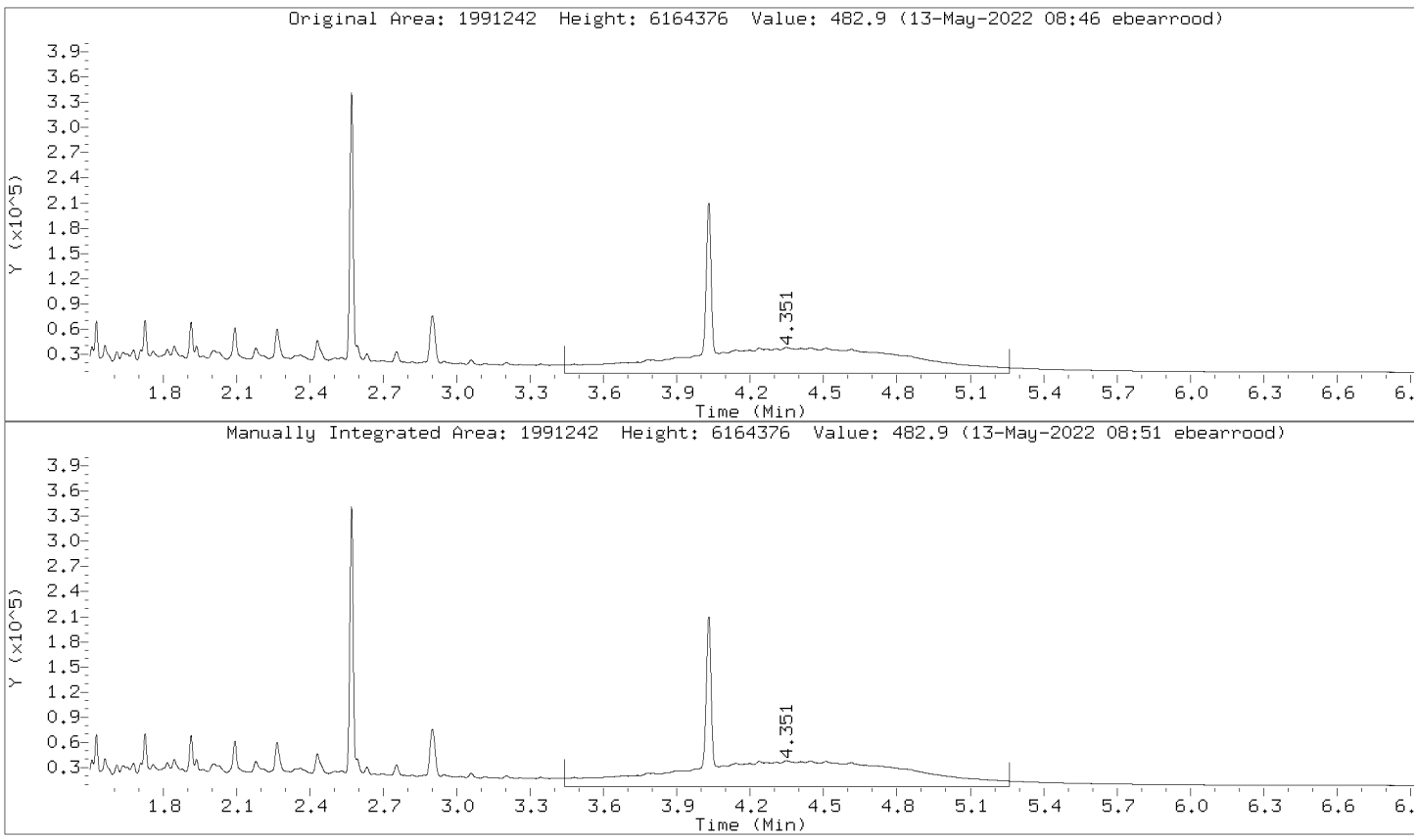
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000045.D
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000045.D
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



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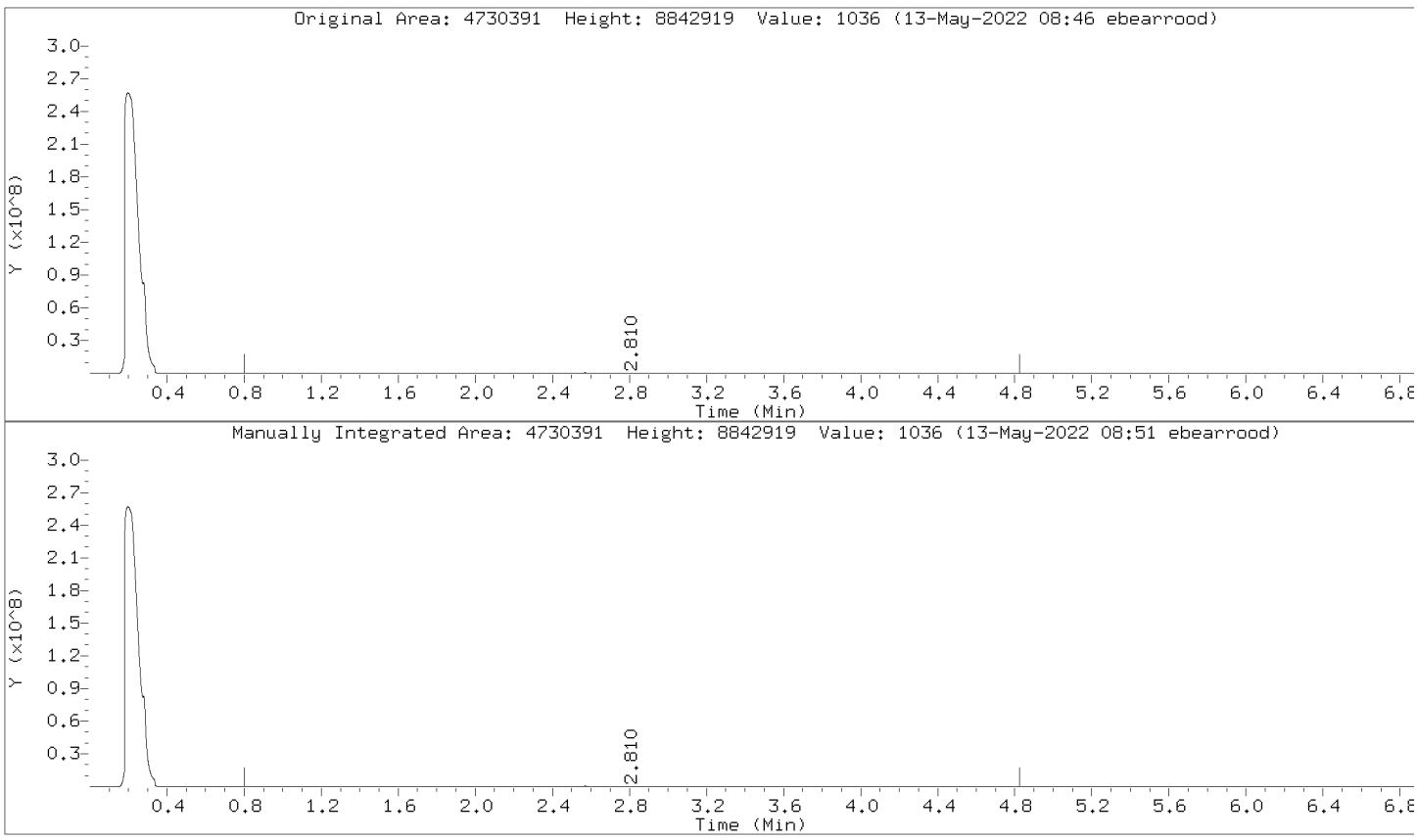
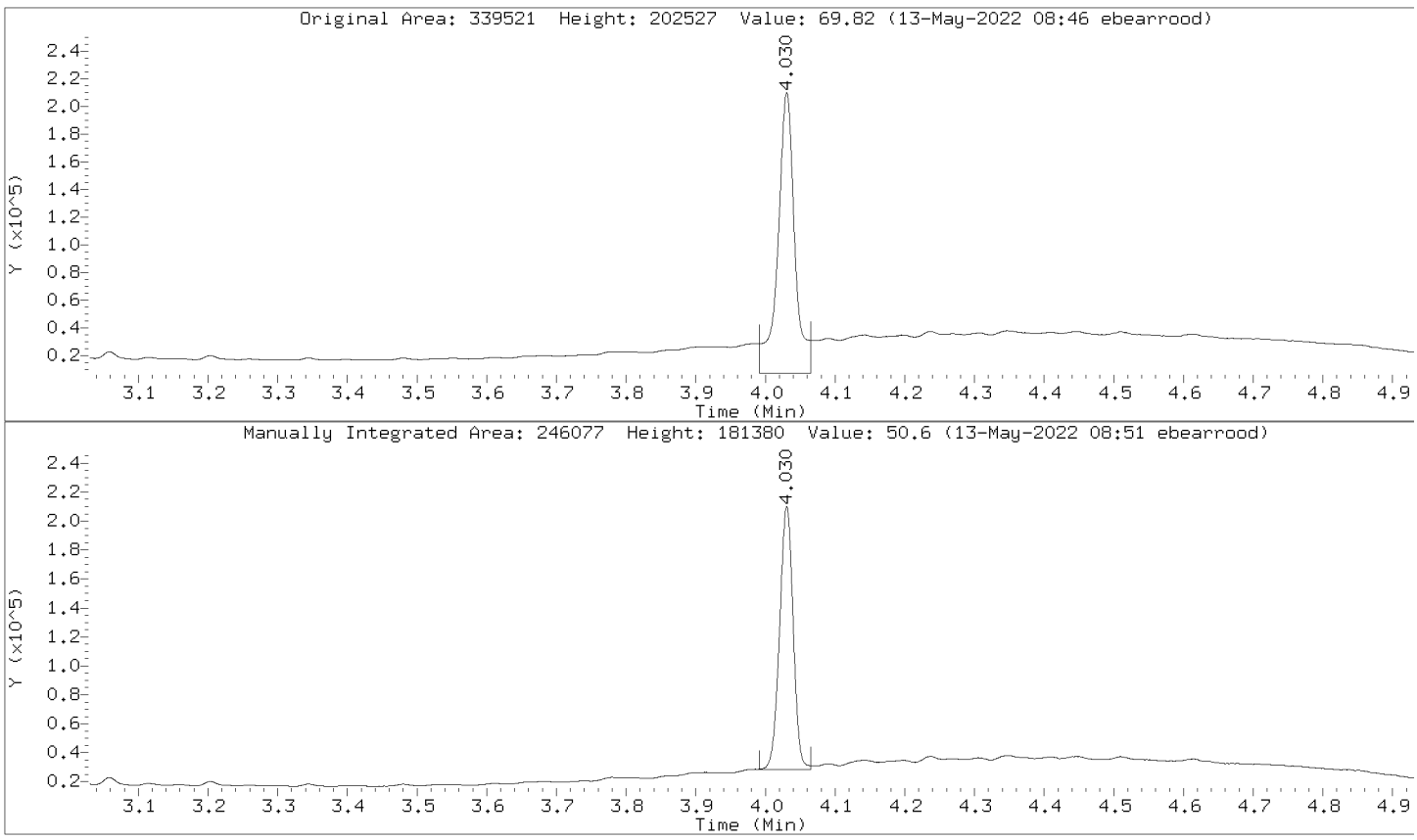
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: C10-C36 Review Code: RNG
CAS Number:



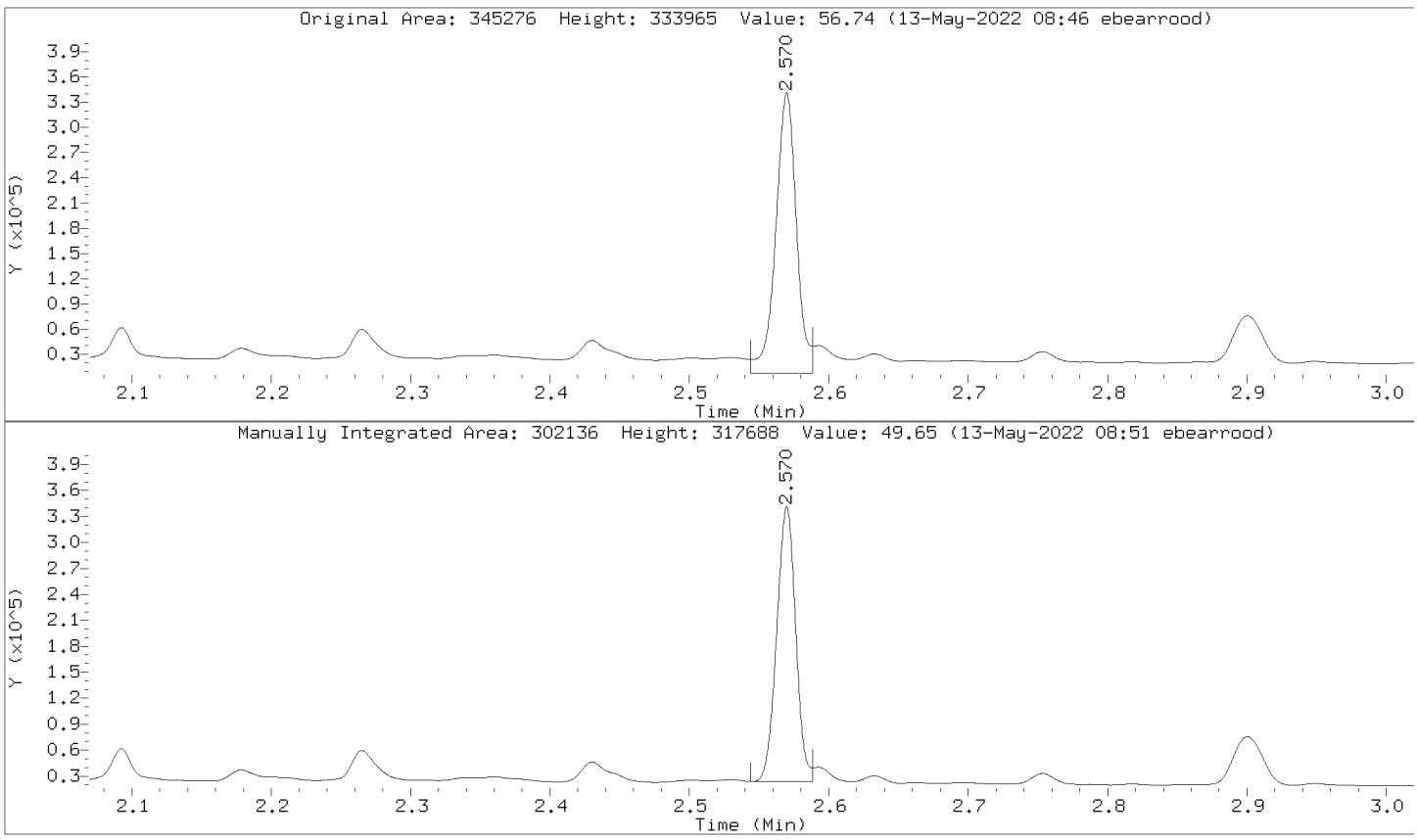
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000045.D
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000045.D
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1712863	1712863
DRO by AK 102	3017528	3017528
TPH-DRO (C10-C28)	3445822	3445822
Motor Oil Range (C24-C36)	1795472	1795472
Diesel Fuel Range	2545237	2545237
Motor Oil Range	1991242	1991242
Diesel Fuel Range SG	2545237	2545237
Motor Oil Range SG	1991242	1991242
C10-C36	4730391	4730391
n-Triacontane (S)	339521	246077
o-Terphenyl (S)	345276	302136

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051222F.b\0512F0000051.D
Lab Smp Id: DMO-CCV,363721:2 Client Smp ID: DMO-CCV,363721:2
Inj Date : 12-MAY-2022 23:30
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-ccv,363721:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051222F.b\GCSFakNW8015-050922_3928
Meth Date : 13-May-2022 08:46 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)		REVIEW CODE
S 1 DRO by AK 102					CAS #:		
0.800	- 3.385		3017046	500.000	526	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.570	2.570	0.000	302417	50.0000	49.7	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.031	4.031	0.000	251386	50.0000	51.7	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.386	- 4.820		1784909	500.000	528	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.940		3457429	500.000	524	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		1868395	500.000	528	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		4801955	1000.00	1050	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		2547153	500.000	527	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		2547153	500.000	527	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		2115680	500.000	514	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		2115680	500.000	515	(M)	RNG

QC Flag Legend

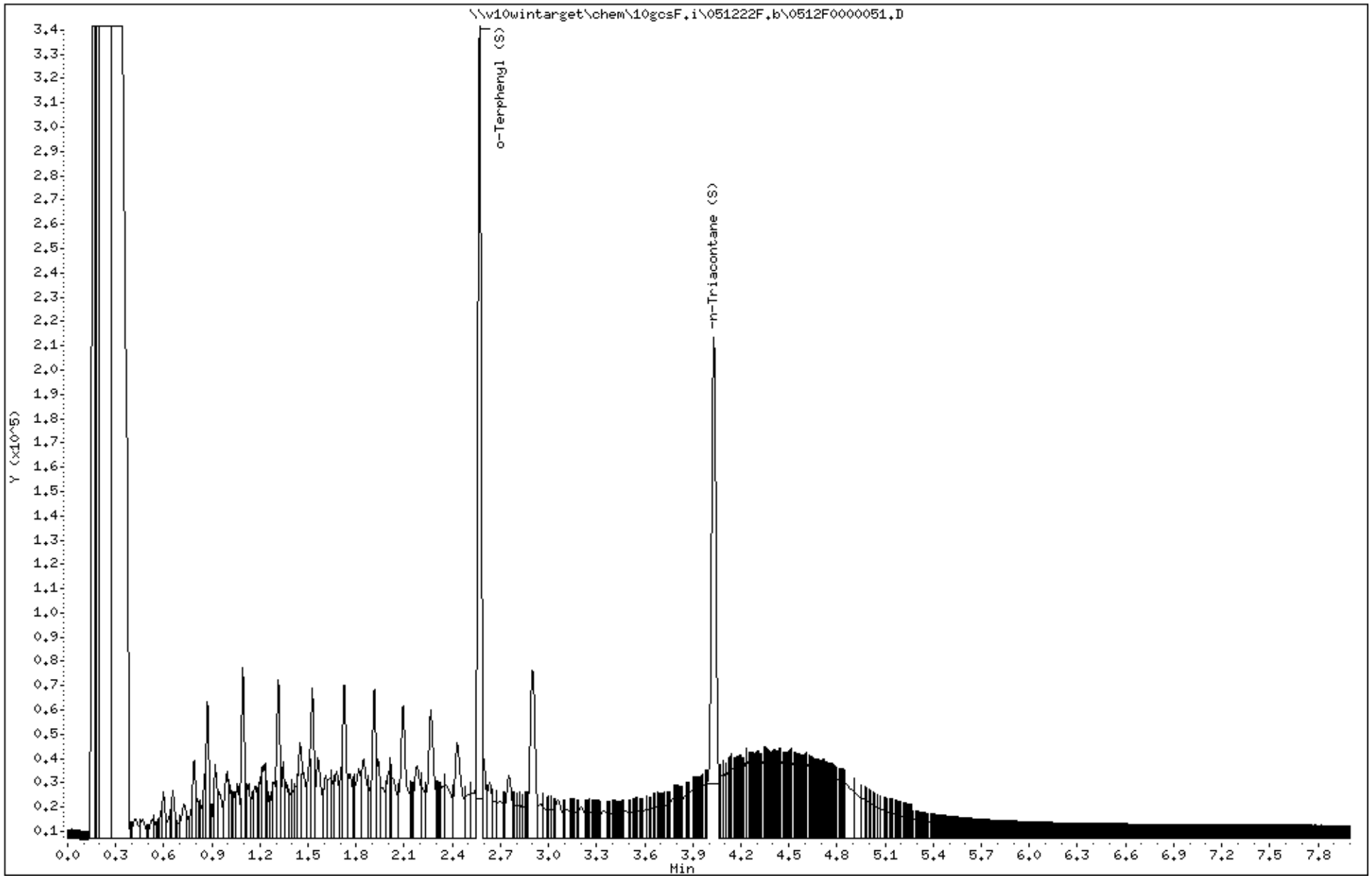
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\051222F.b\0512F0000051.D
Date : 12-MAY-2022 23:30
Client ID: DMO-CCV,363721:2
Sample Info: DMO-CCV,363721:2

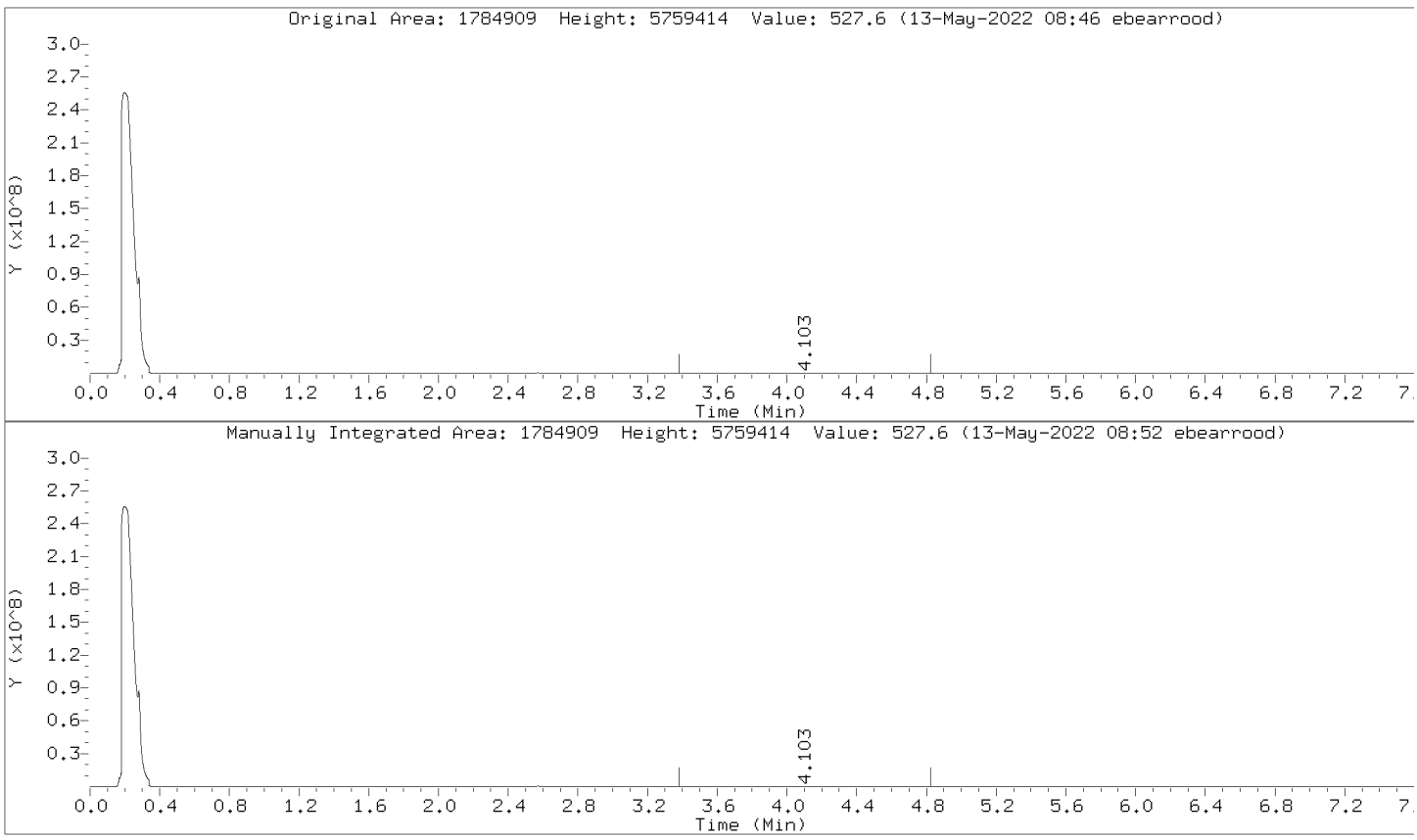
Instrument: 10gcsF.i
Operator: EB3
Column phase: DB-5-US21390001
Column diameter: 0.32



314 of 1091
250 of 710
10606560

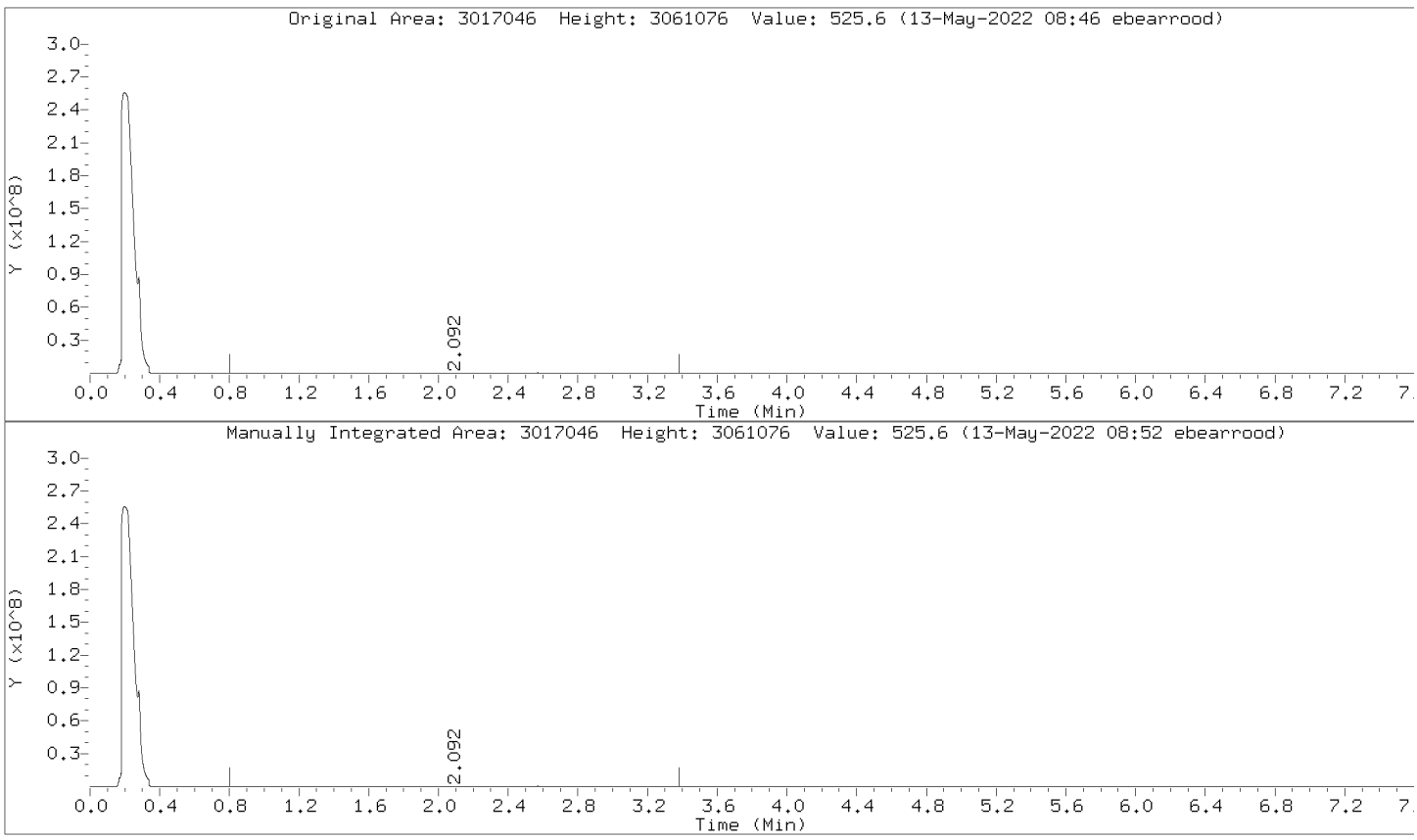
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



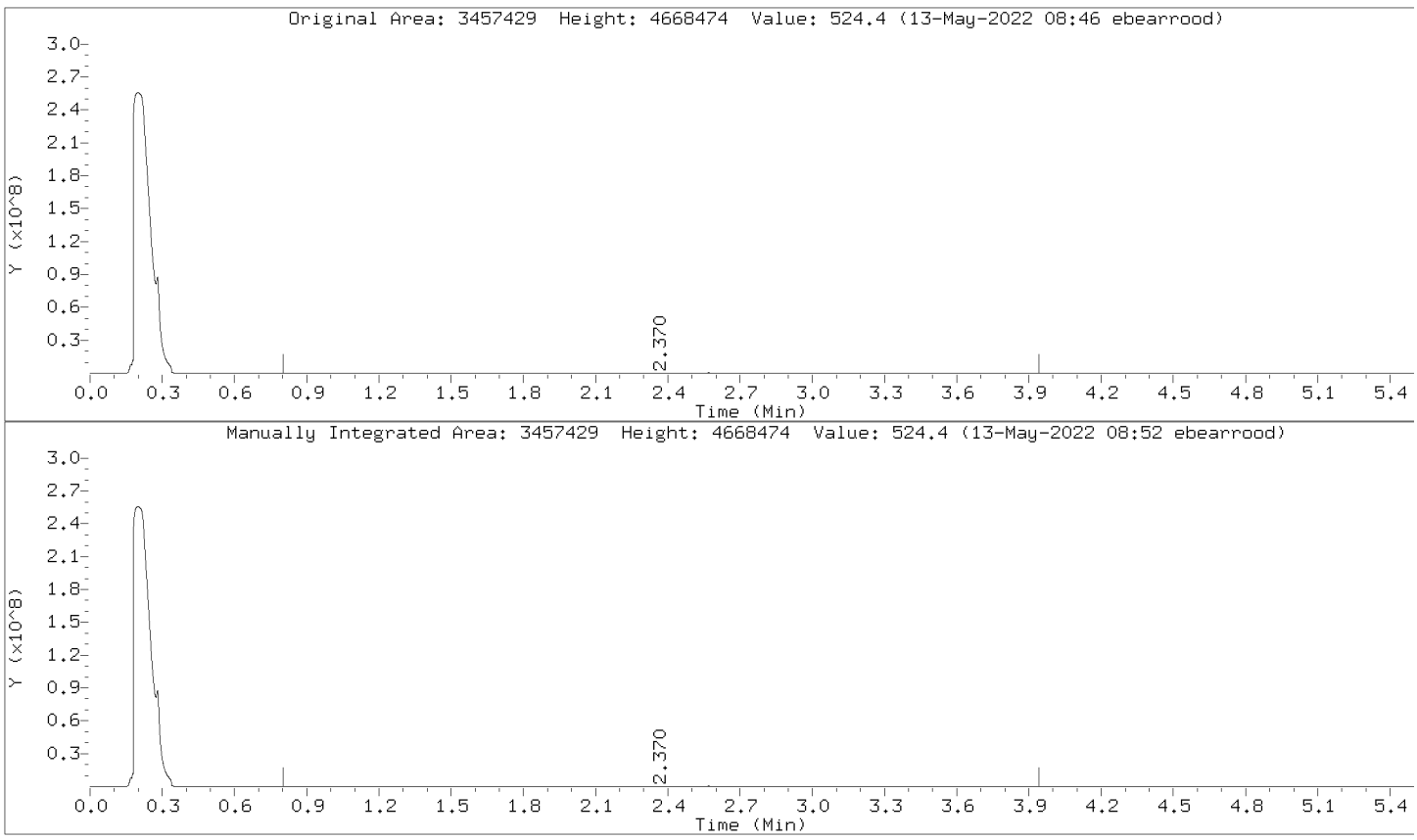
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



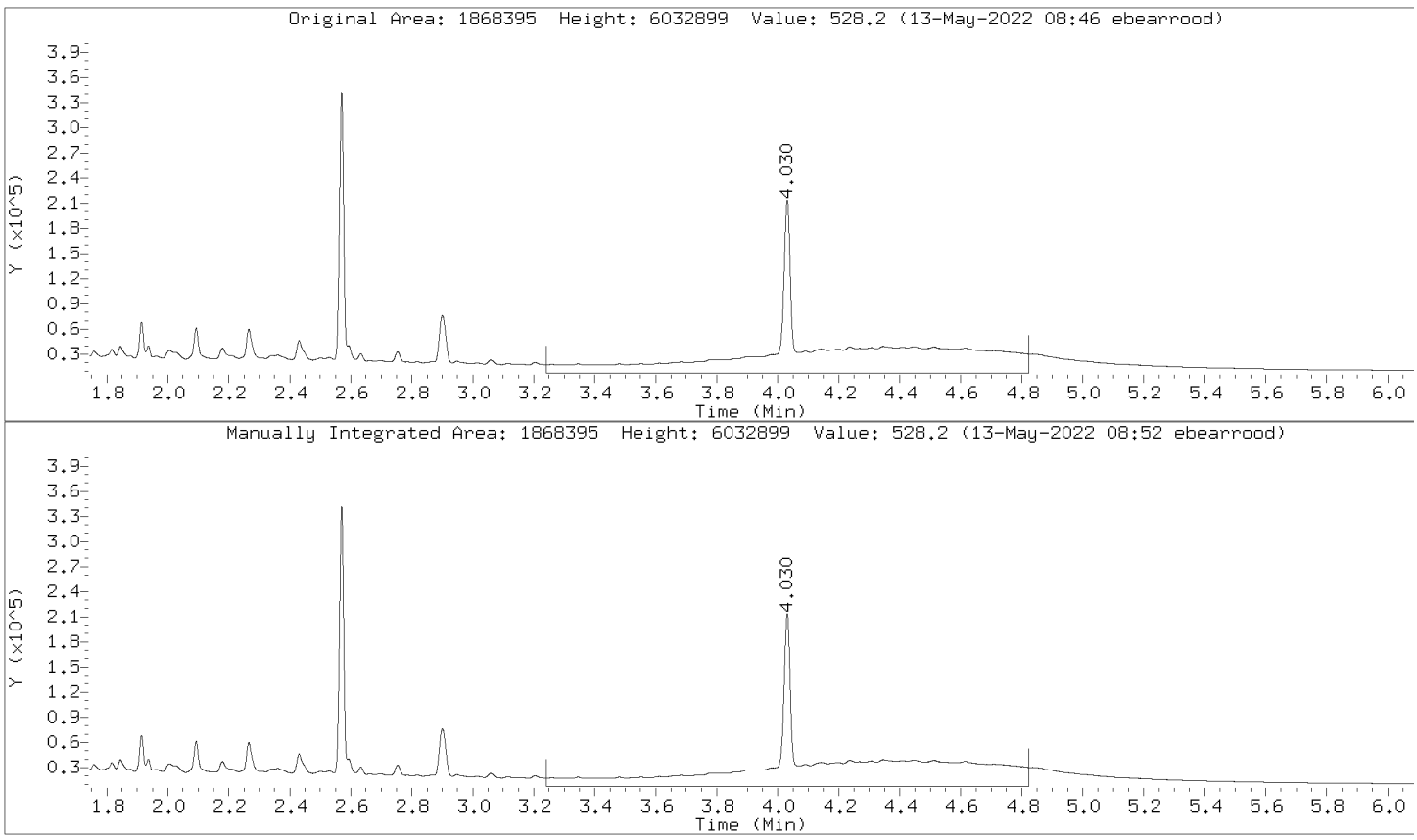
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



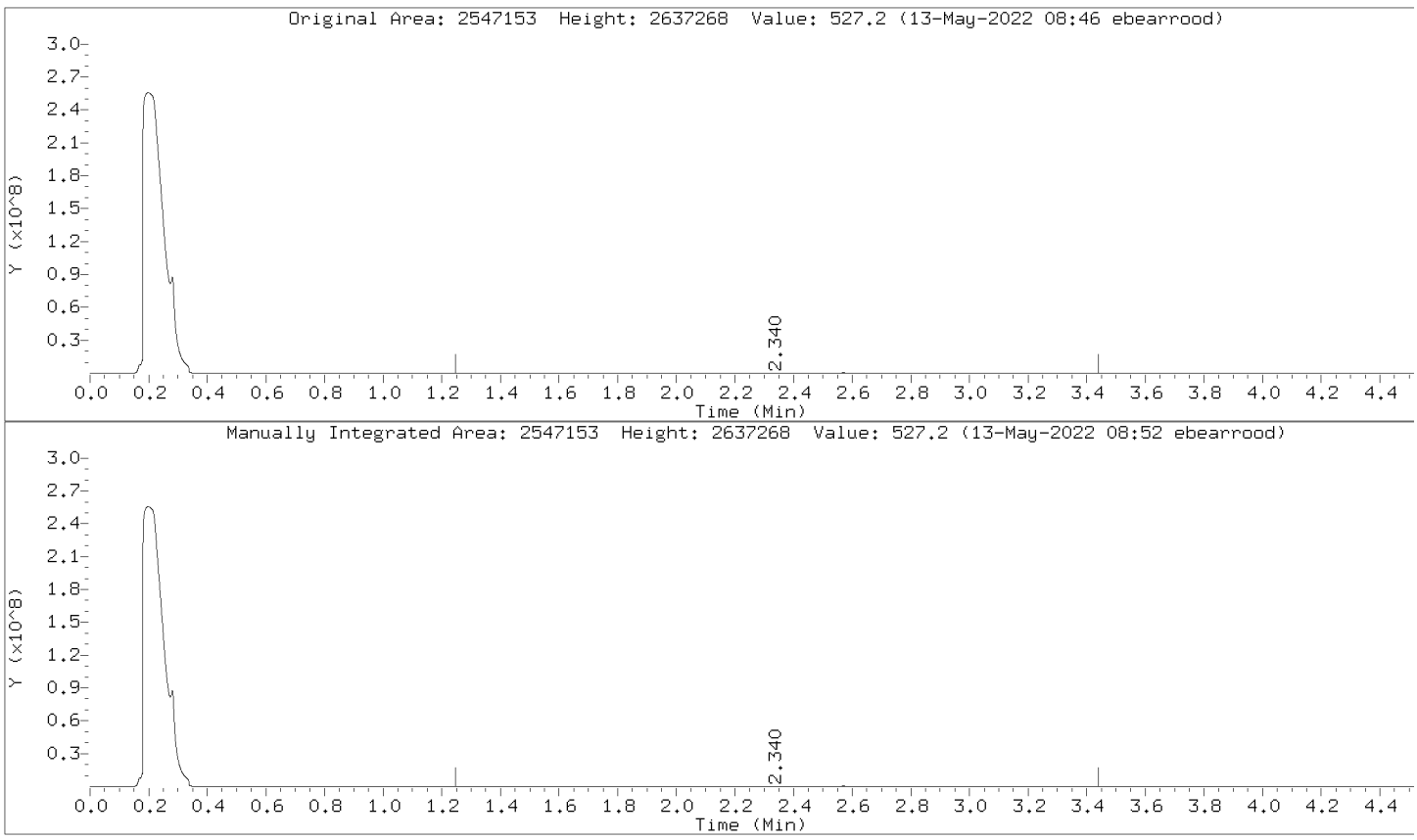
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



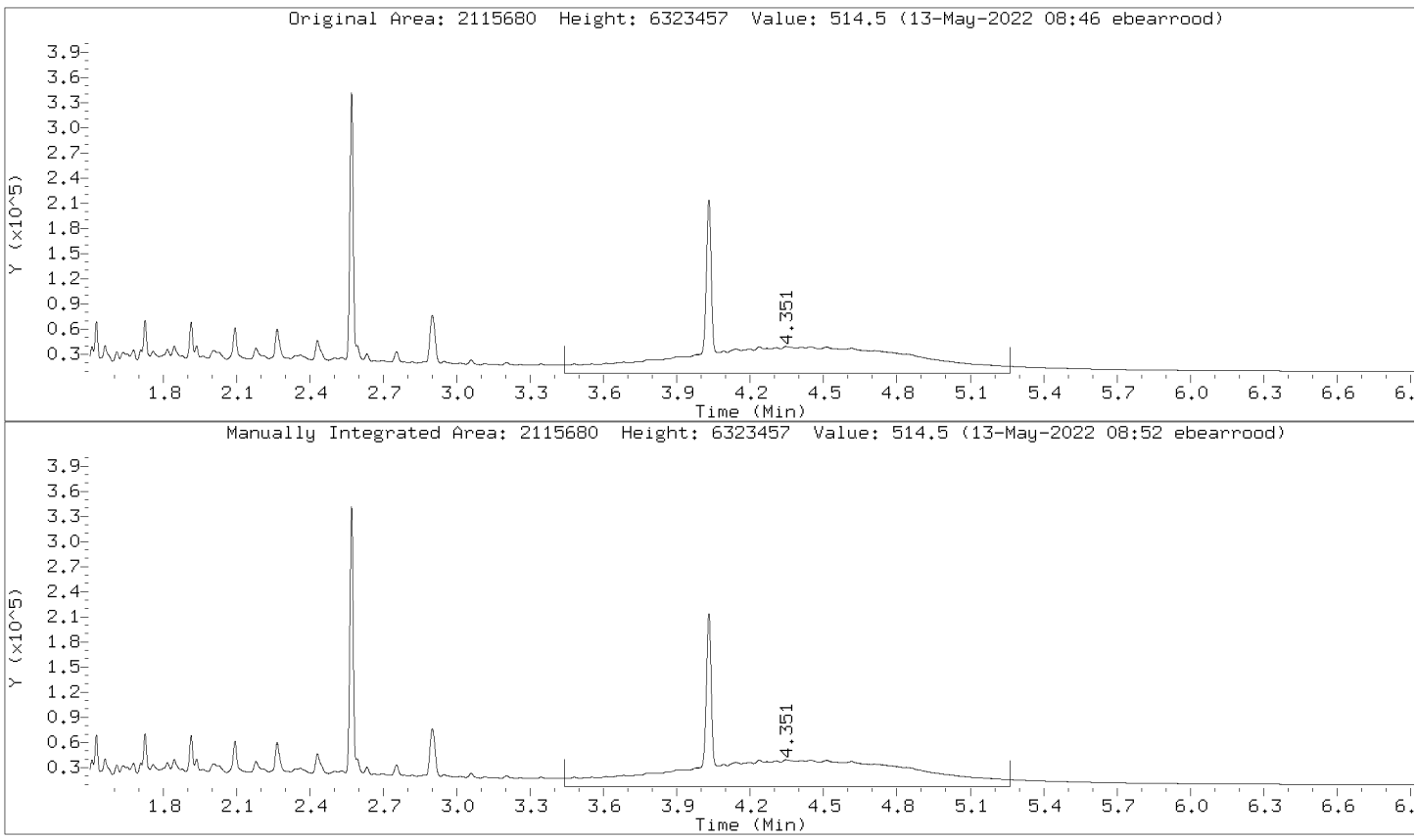
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



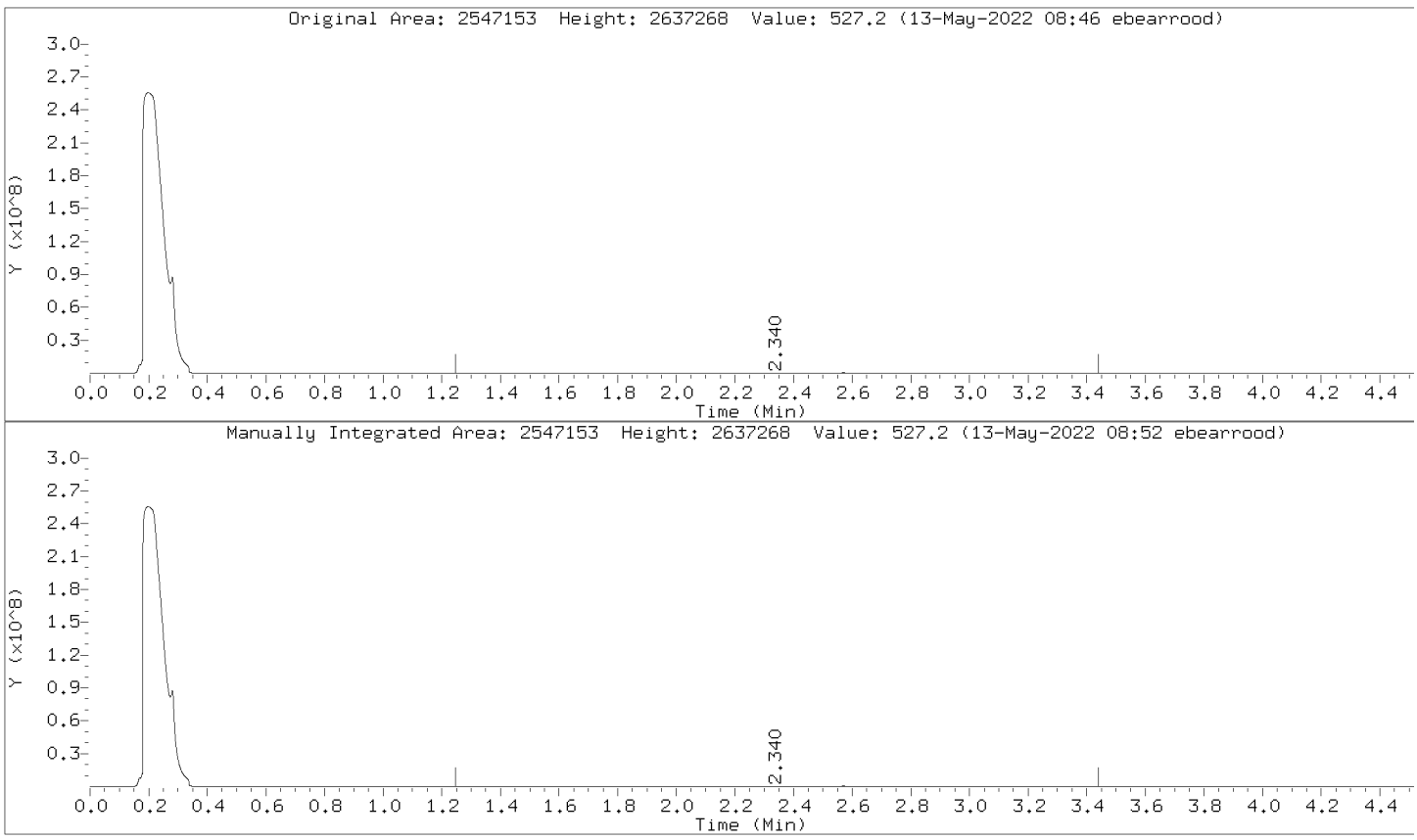
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



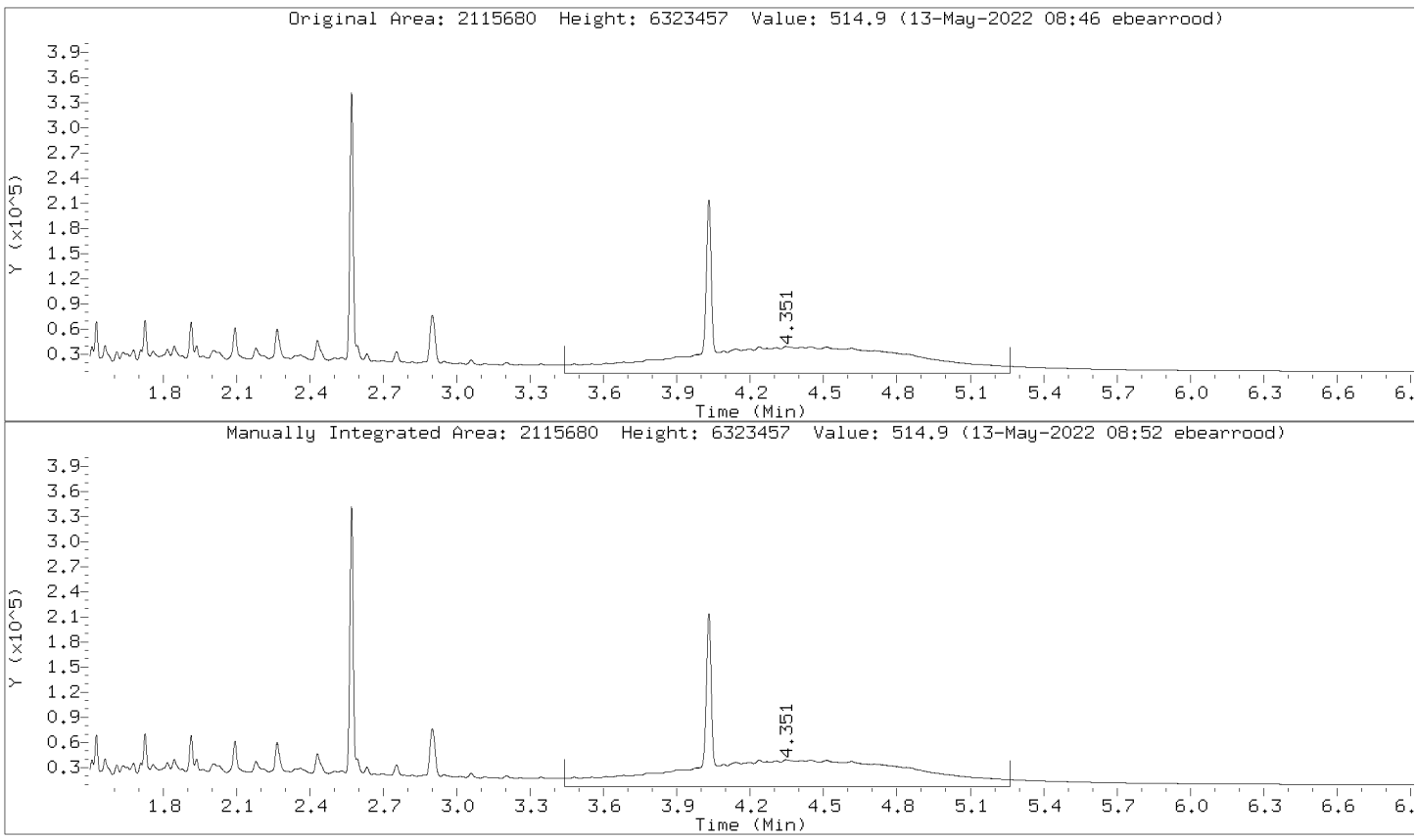
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



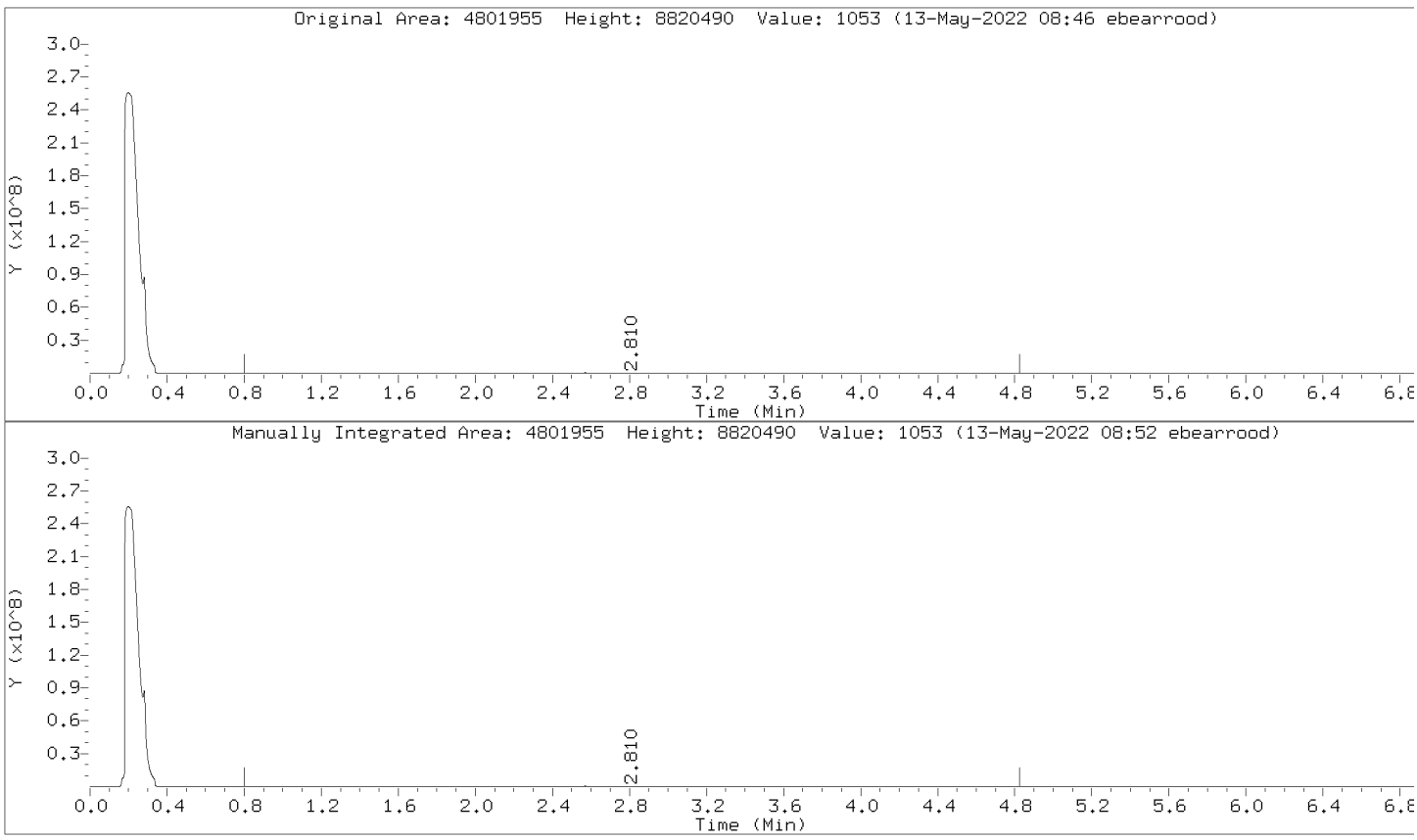
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



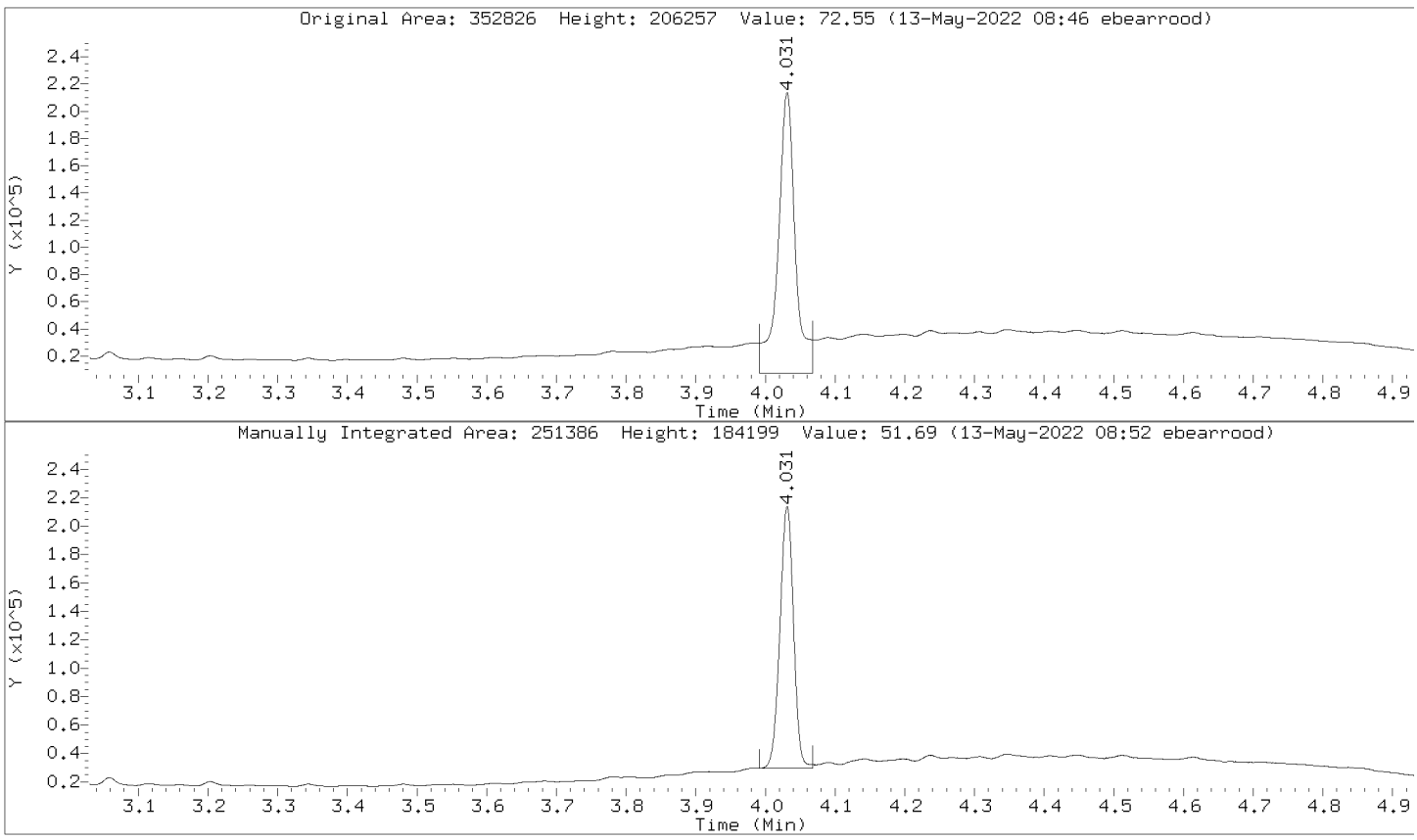
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: C10-C36 Review Code: RNG
CAS Number:



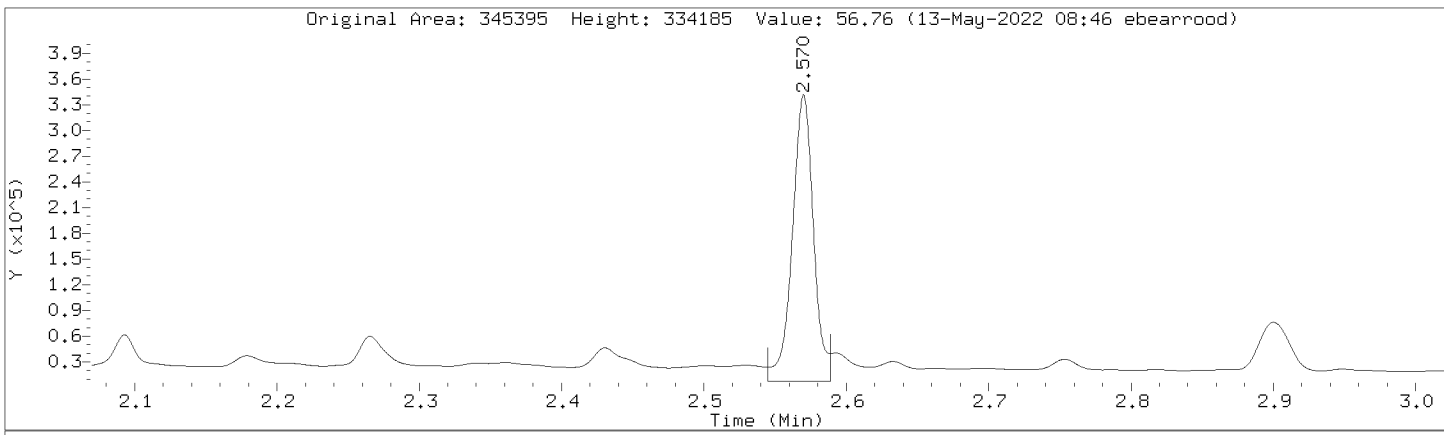
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

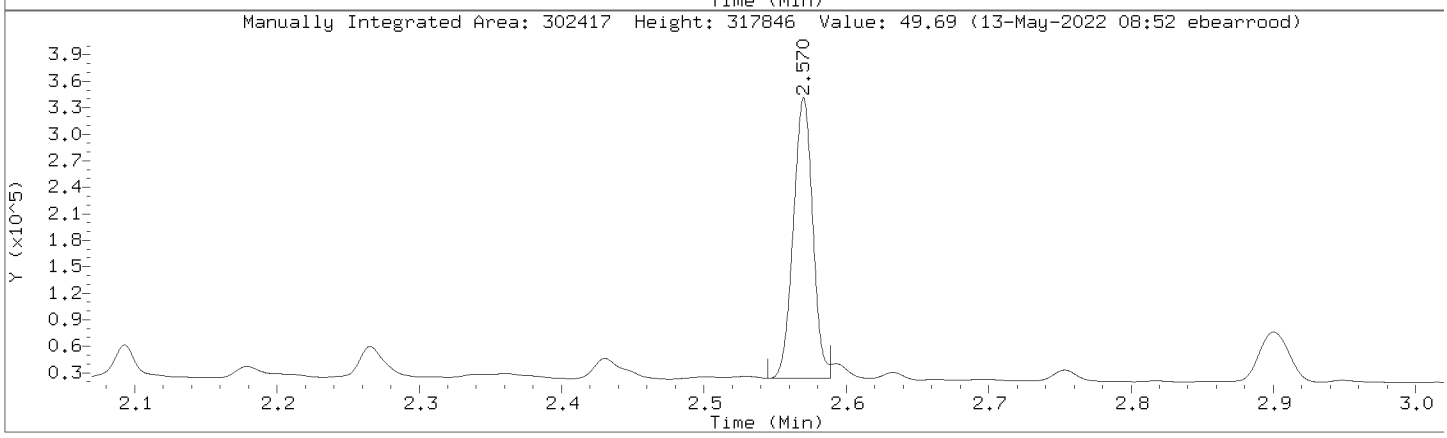
Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:





Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1784909	1784909
DRO by AK 102	3017046	3017046
TPH-DRO (C10-C28)	3457429	3457429
Motor Oil Range (C24-C36)	1868395	1868395
Diesel Fuel Range	2547153	2547153
Motor Oil Range	2115680	2115680
Diesel Fuel Range SG	2547153	2547153
Motor Oil Range SG	2115680	2115680
C10-C36	4801955	4801955
n-Triacontane (S)	352826	251386
o-Terphenyl (S)	345395	302417

SAMPLE NO.

BLANK

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received:
Matrix: Solid
SDG No.: 10606560
Date Extracted: 05/03/2022 17:14
Lab Sample ID: 4310214
Date Analyzed: 05/12/2022 01:04
Lab File ID: 051122F.B\0511F0000063.D
Initial wt/vol: 10 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 10GCSF
Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/kg	Q
68334-30-5	Diesel Fuel Range	ND	U
	Motor Oil Range	ND	U

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000063.D
Lab Smp Id: 4310214 Client Smp ID: MB
Inj Date : 12-MAY-2022 01:04
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 4310214
Misc Info : 39318
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 50 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: SOIL
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf*Vt/(Ws*Vi*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Ws	10.000	Weight of the sample extracted (g)
Vi	1.000	Volume Injected (uL)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (mg/Kg)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.568	2.568	0.000	276287	45.3998	4.54	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.027	4.028	-0.001	244422	50.2600	5.02	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		143544	7.43380	0.743	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		143544	7.90906	0.791	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		292017	6.53754	0.654	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		292017	6.53754	0.654	(M)	RNG

QC Flag Legend

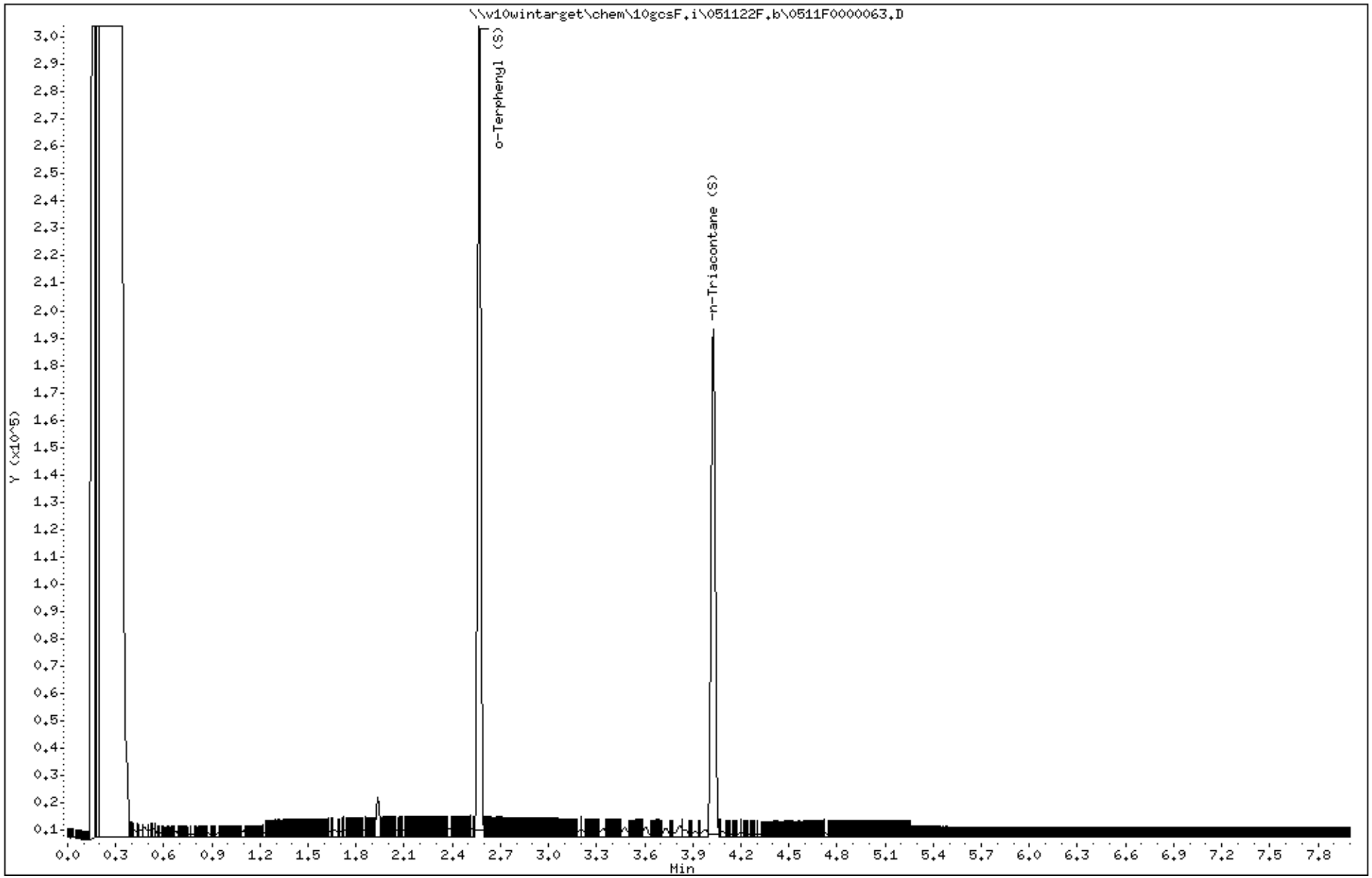
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000063.D
Date : 12-MAY-2022 01:04
Client ID: MB
Sample Info: 4310214
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32



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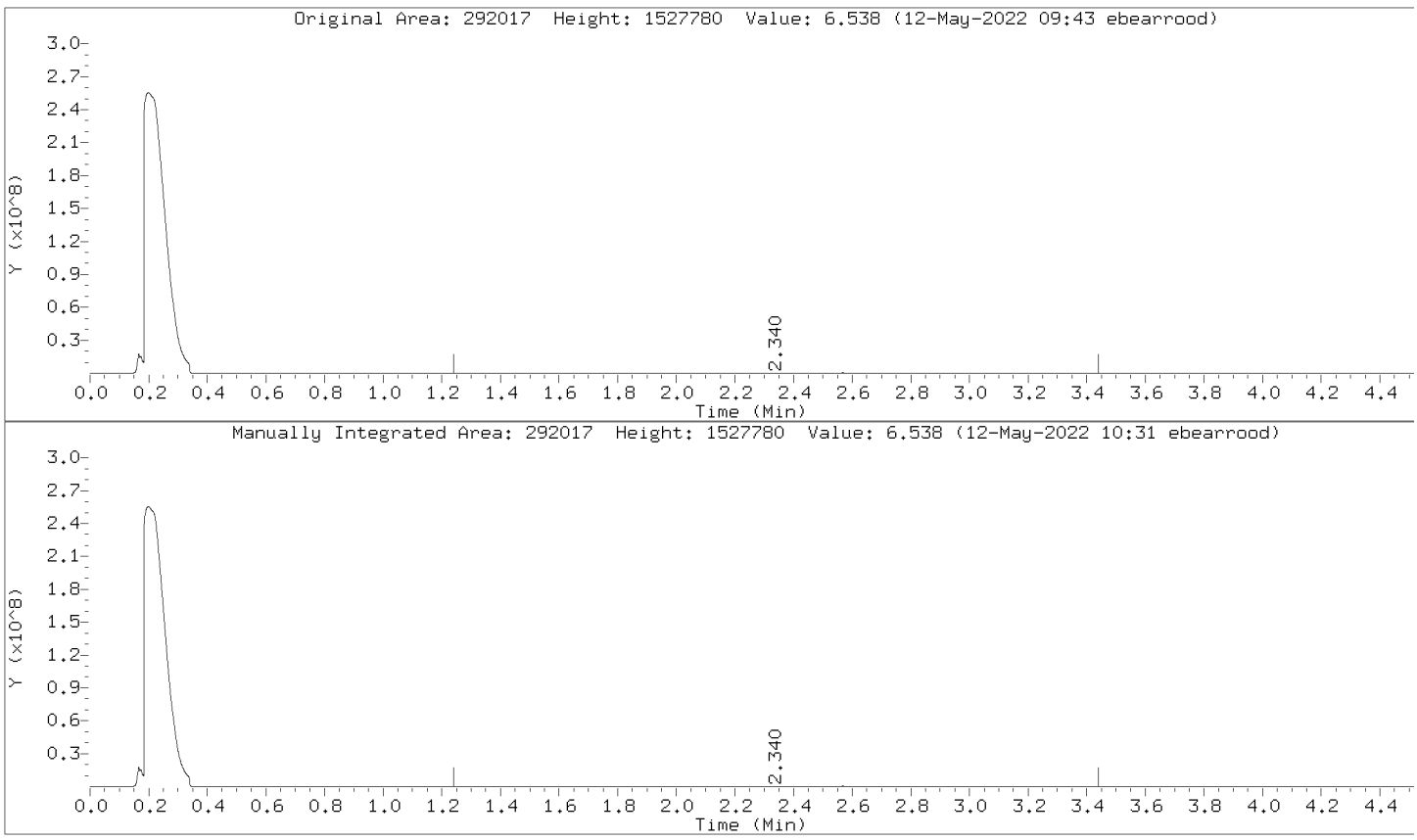
10606560

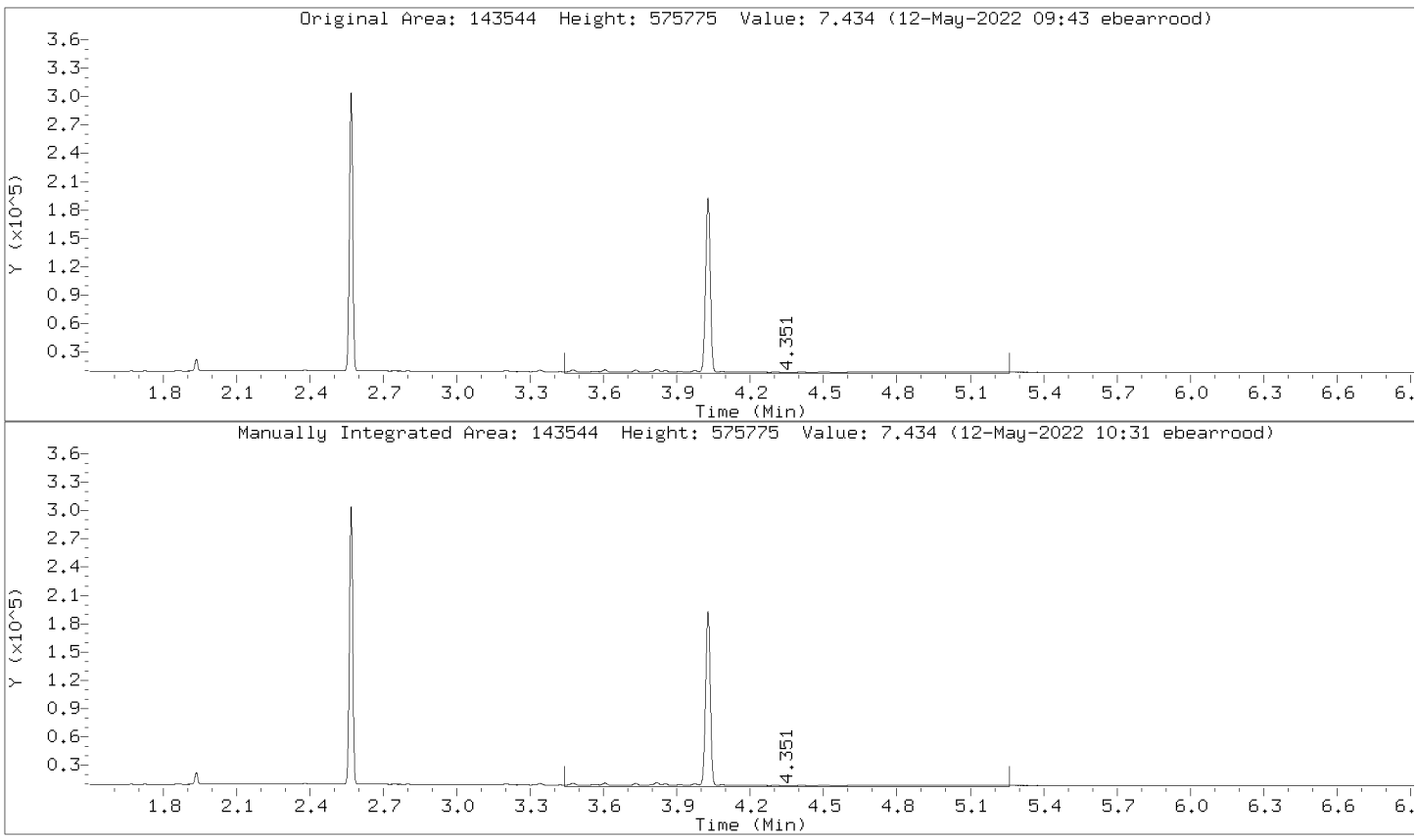
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000063.D
Injection Date: 12-MAY-2022 01:04
Instrument: 10gcsF.i
Lab Sample ID: 4310214

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



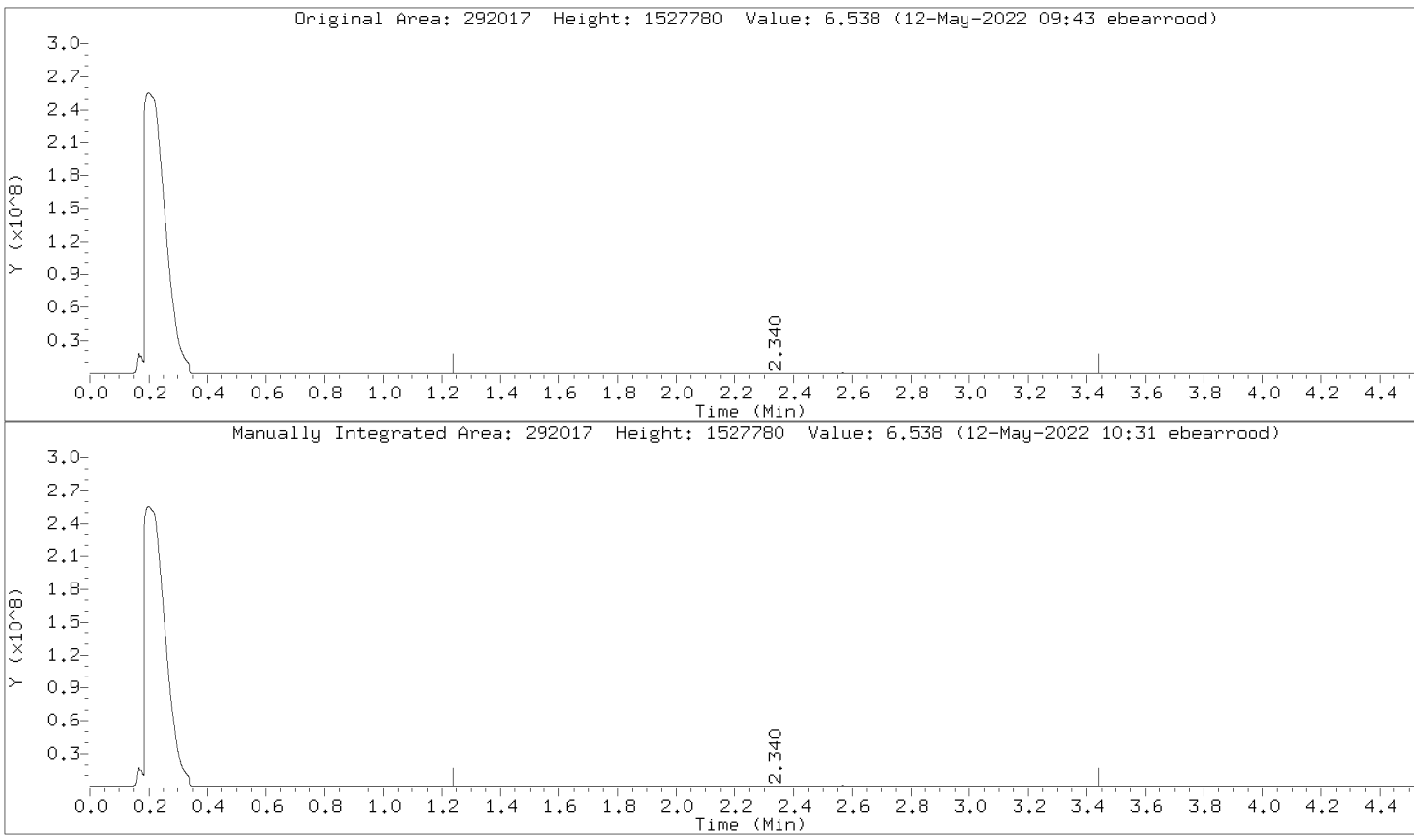
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000063.D
Injection Date: 12-MAY-2022 01:04
Instrument: 10gcsF.i
Lab Sample ID: 4310214

Compound: Motor Oil Range Review Code: RNG
CAS Number:



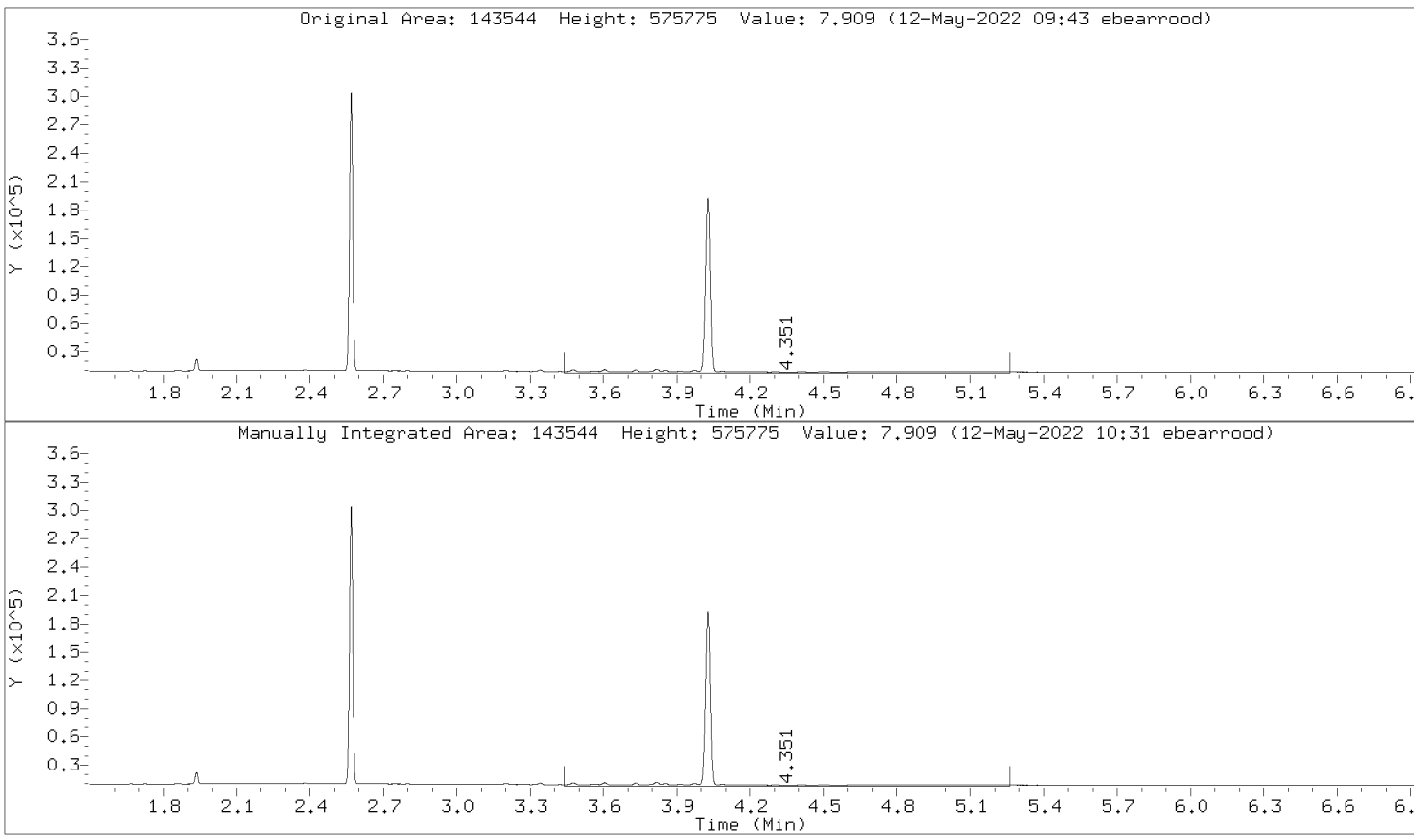
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000063.D
Injection Date: 12-MAY-2022 01:04
Instrument: 10gcsF.i
Lab Sample ID: 4310214

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



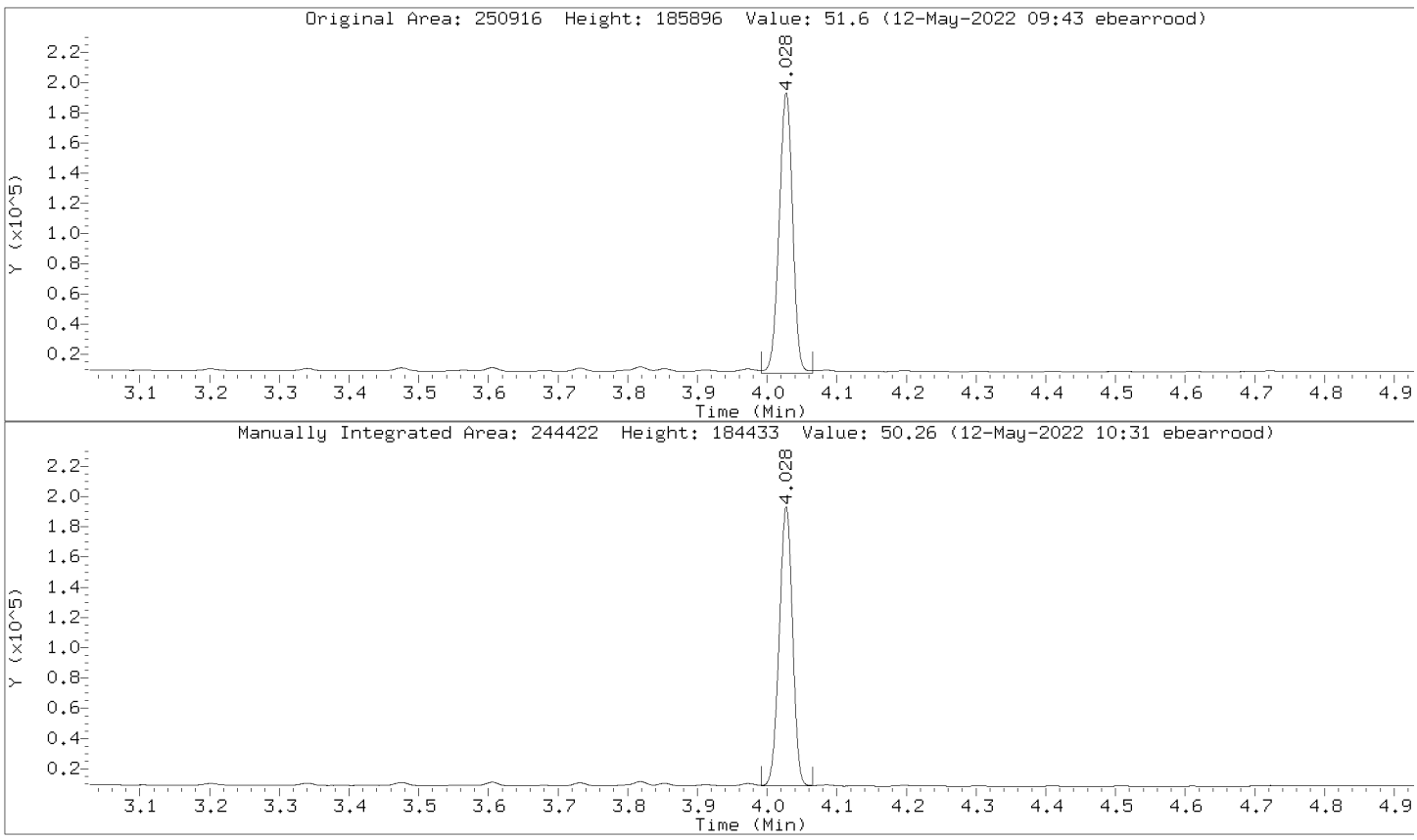
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000063.D
Injection Date: 12-MAY-2022 01:04
Instrument: 10gcsF.i
Lab Sample ID: 4310214

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



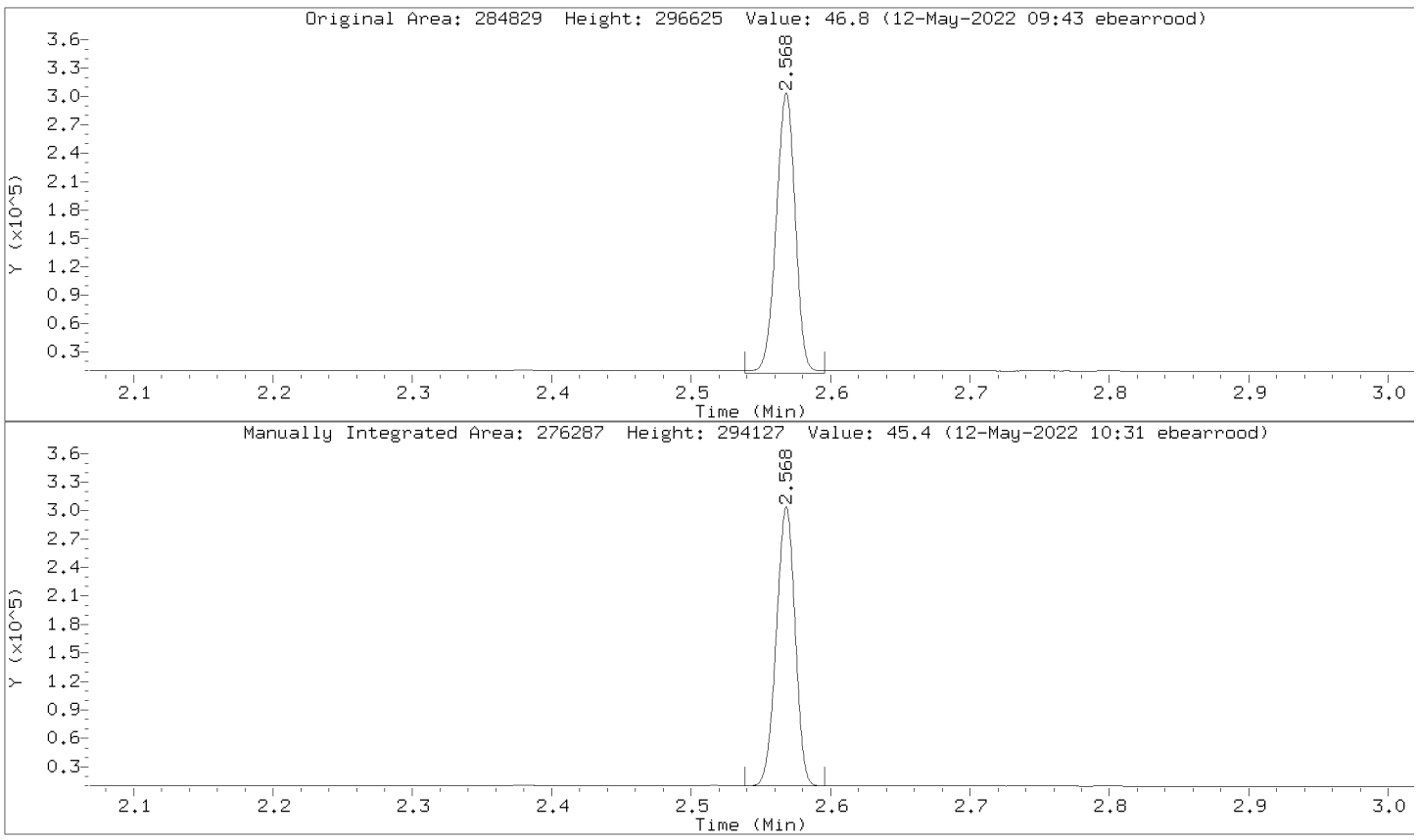
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000063.D
Injection Date: 12-MAY-2022 01:04
Instrument: 10gcsF.i
Lab Sample ID: 4310214

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000063.D
Injection Date: 12-MAY-2022 01:04
Instrument: 10gcsF.i
Lab Sample ID: 4310214

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	292017	292017
Motor Oil Range	143544	143544
Diesel Fuel Range SG	292017	292017
Motor Oil Range SG	143544	143544
n-Triacontane (S)	250916	244422
o-Terphenyl (S)	284829	276287

SAMPLE NO.

LCS

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received:
Matrix: Solid
SDG No.: 10606560
Date Extracted: 05/03/2022 17:14
Lab Sample ID: 4310215
Date Analyzed: 05/12/2022 01:15
Lab File ID: 051122F.B\0511F0000064.D
Initial wt/vol: 10 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 10GCSF
Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/kg	Q
68334-30-5	Diesel Fuel Range	48.2	
	Motor Oil Range	47.7	

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000064.D
Lab Smp Id: 4310215 Client Smp ID: MBLCS
Inj Date : 12-MAY-2022 01:15
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 4310215
Misc Info : 39318
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 51 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: SOIL
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf*Vt/(Ws*Vi*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Ws	10.000	Weight of the sample extracted (g)
Vi	1.000	Volume Injected (uL)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (mg/Kg)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.568	2.568	0.000	270482	44.4459	4.44	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.028	4.028	0.000	242363	49.8366	4.98	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		1969537	476.966	47.7	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		1969537	477.358	47.7	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		2352509	482.231	48.2	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		2352509	482.231	48.2	(M)	RNG

QC Flag Legend

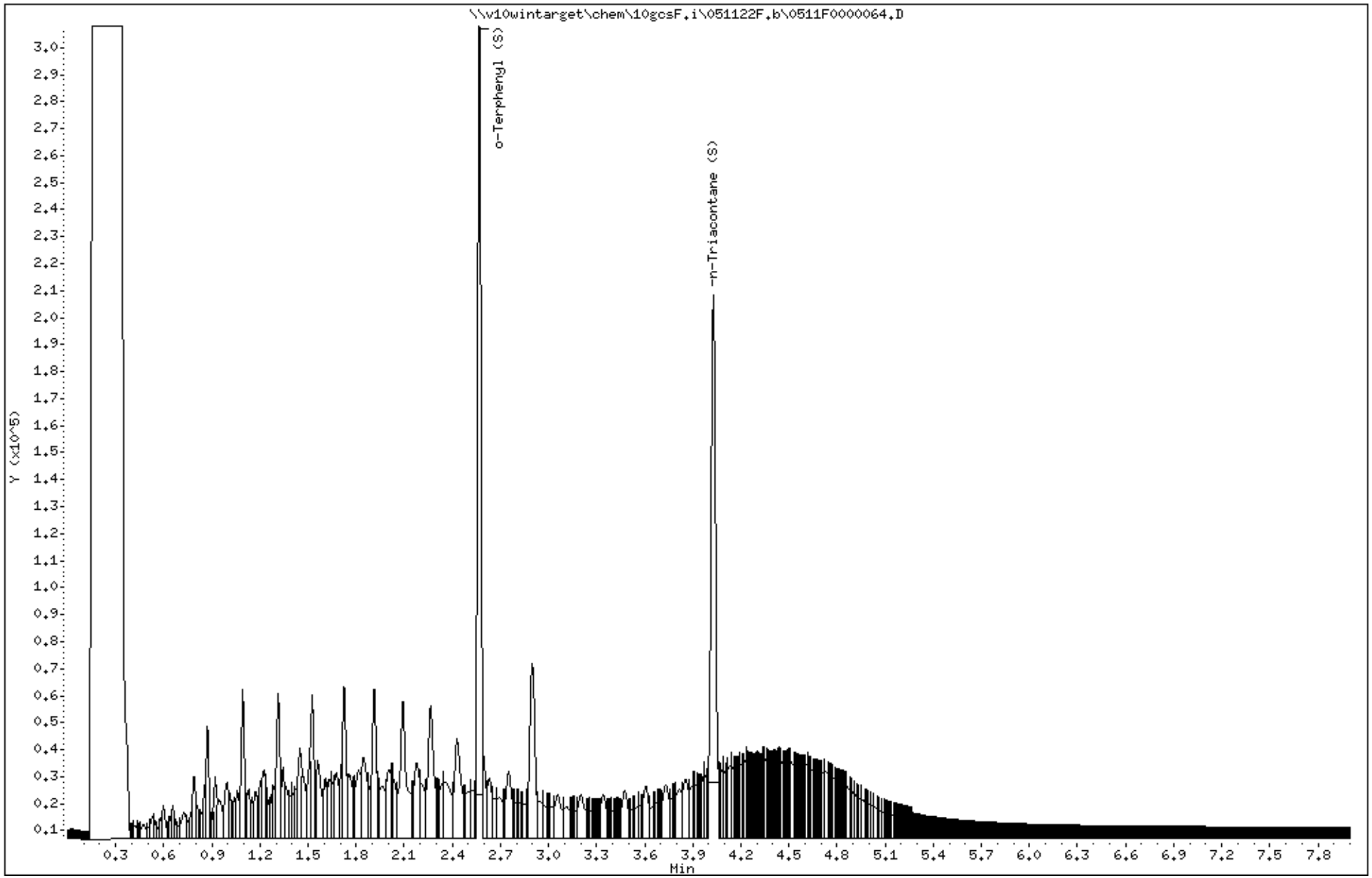
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000064.D
Date : 12-MAY-2022 01:15
Client ID: MBLCS
Sample Info: 4310215
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32



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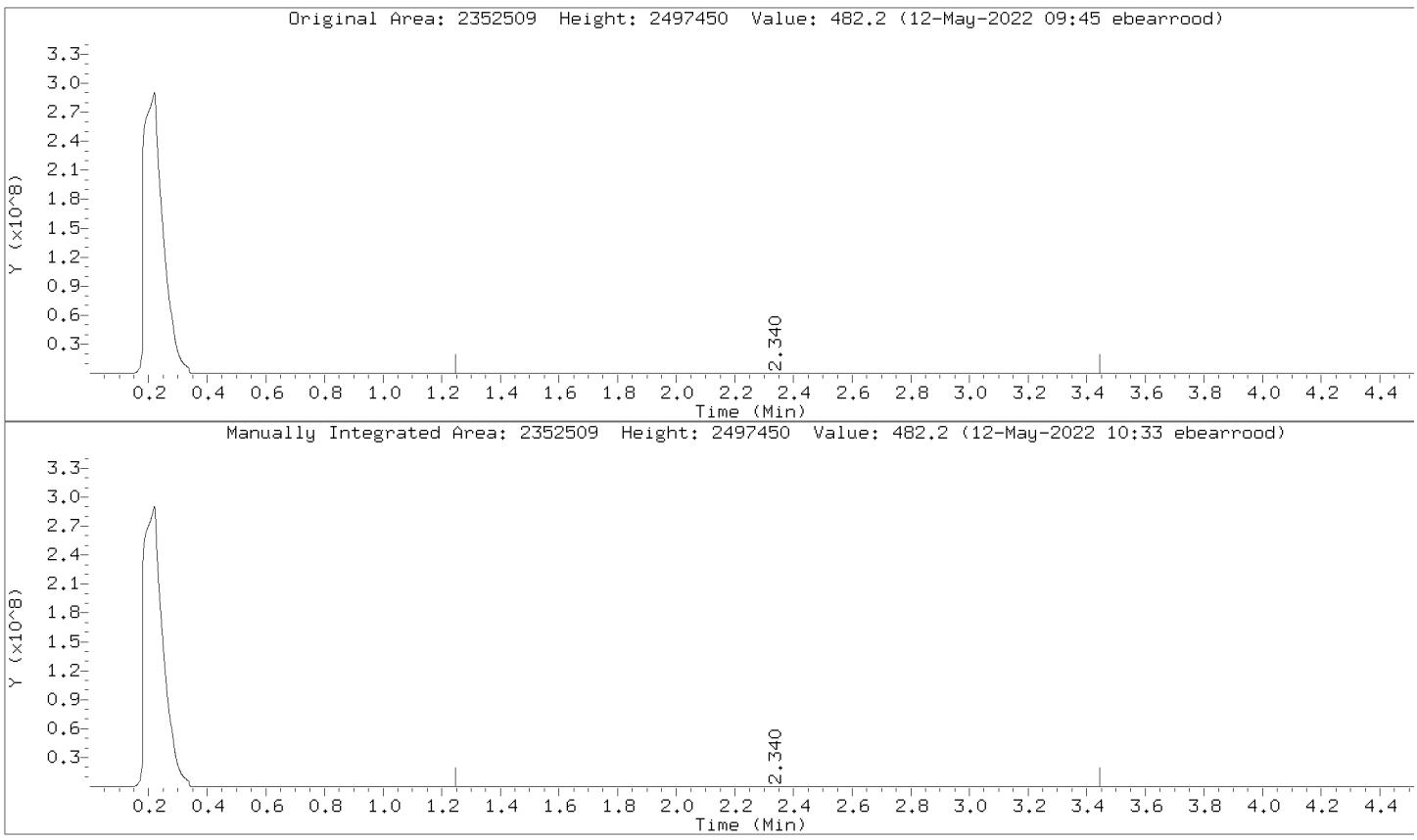
10606560

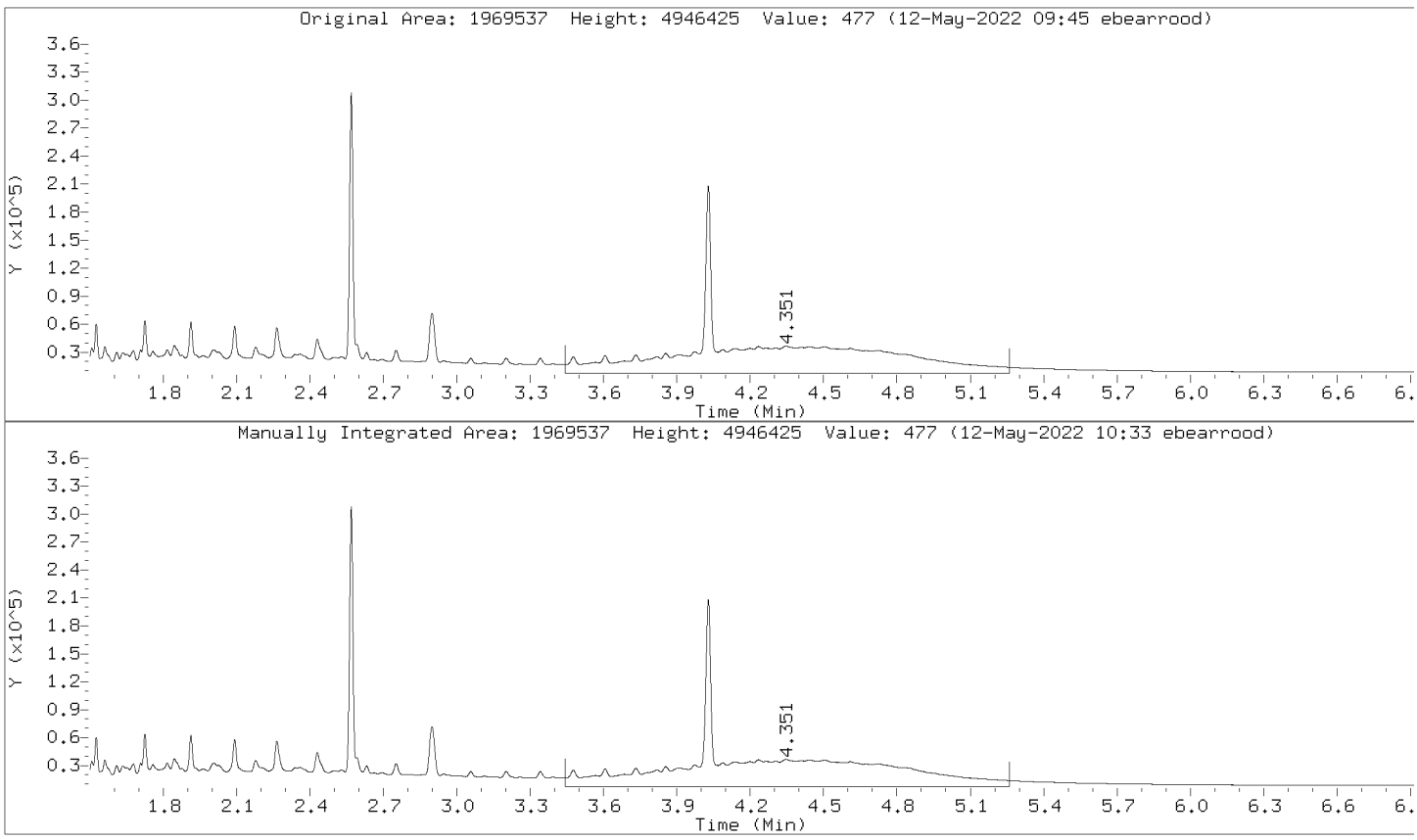
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000064.D
Injection Date: 12-MAY-2022 01:15
Instrument: 10gcsF.i
Lab Sample ID: 4310215

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



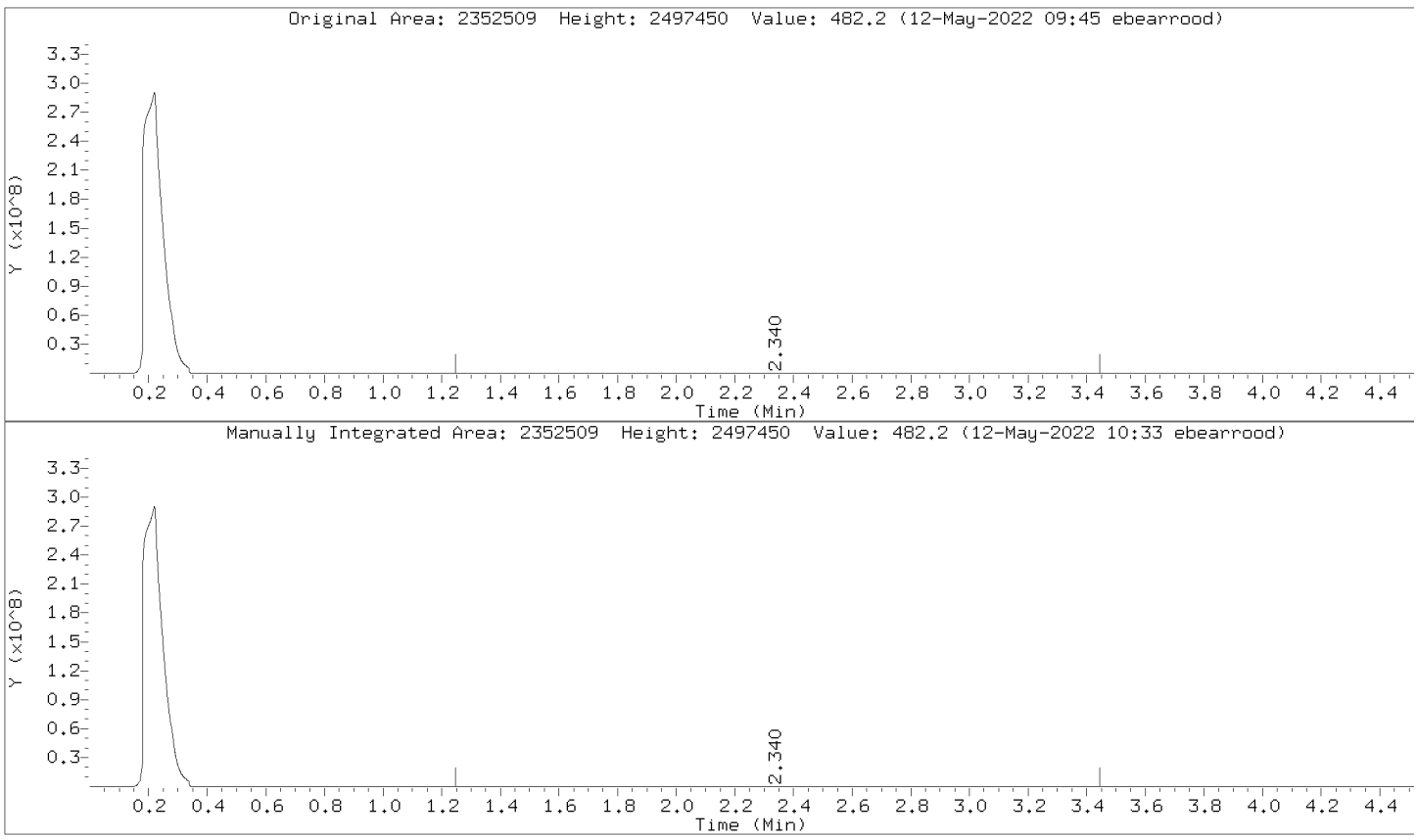
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000064.D
Injection Date: 12-MAY-2022 01:15
Instrument: 10gcsF.i
Lab Sample ID: 4310215

Compound: Motor Oil Range Review Code: RNG
CAS Number:



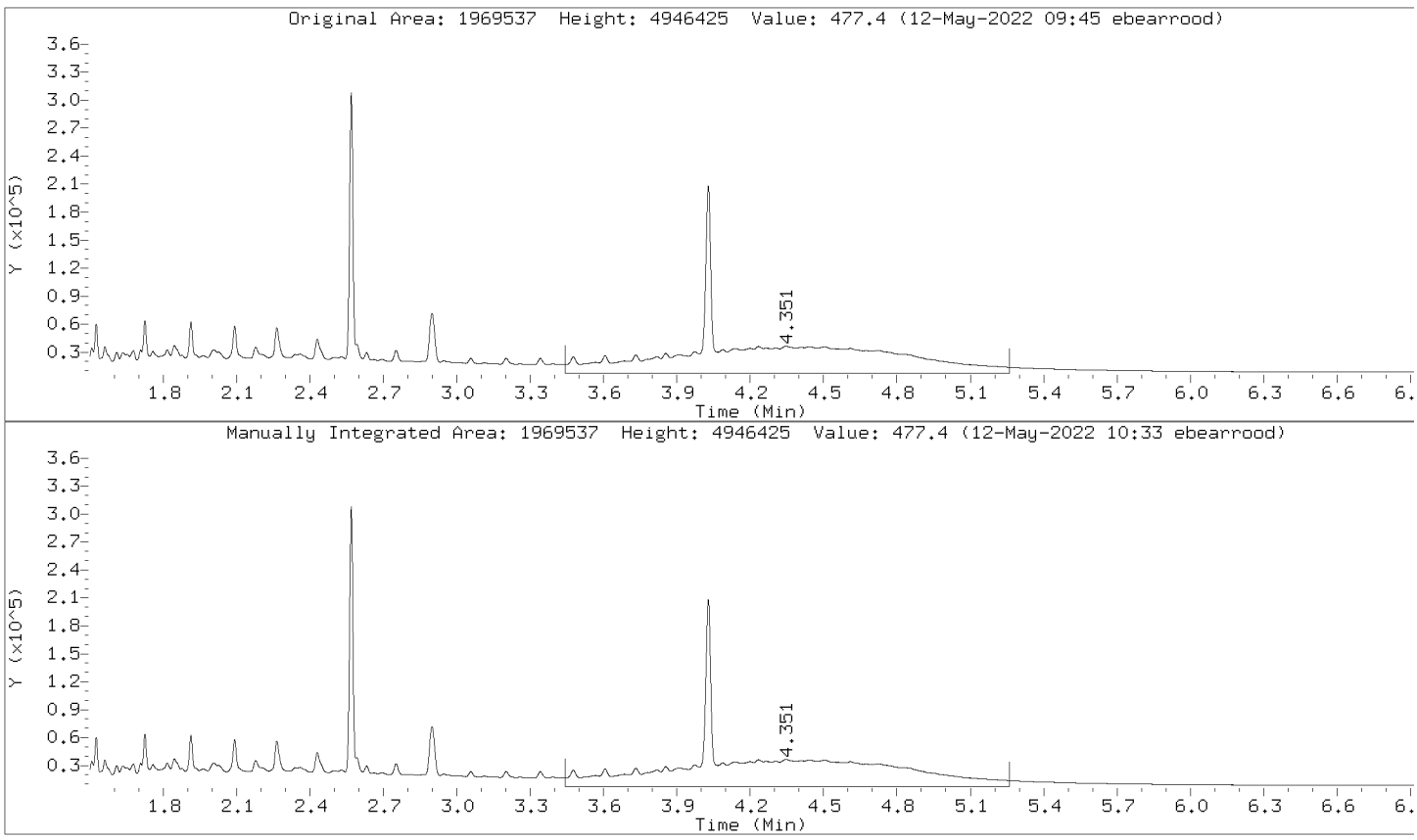
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000064.D
Injection Date: 12-MAY-2022 01:15
Instrument: 10gcsF.i
Lab Sample ID: 4310215

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



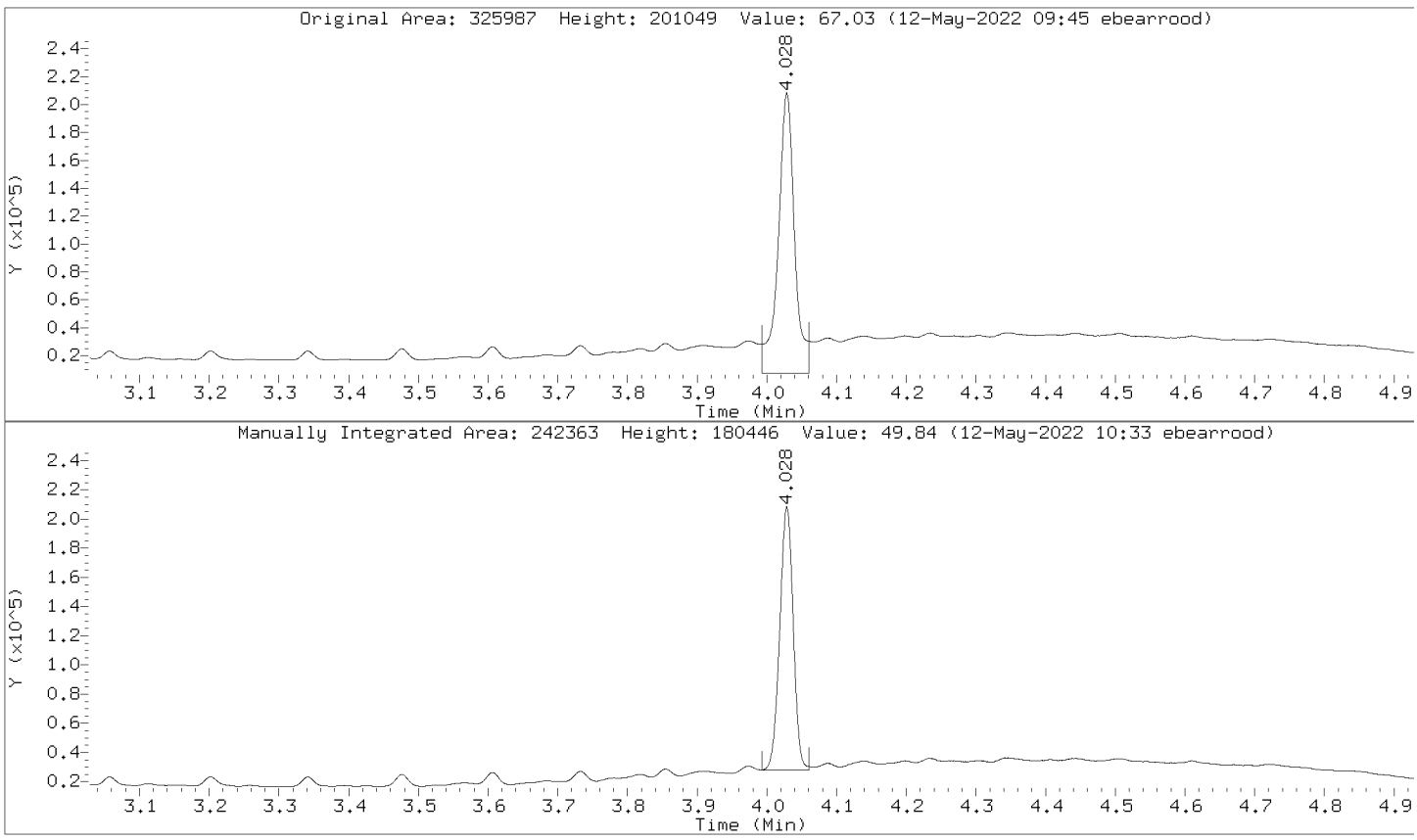
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000064.D
Injection Date: 12-MAY-2022 01:15
Instrument: 10gcsF.i
Lab Sample ID: 4310215

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



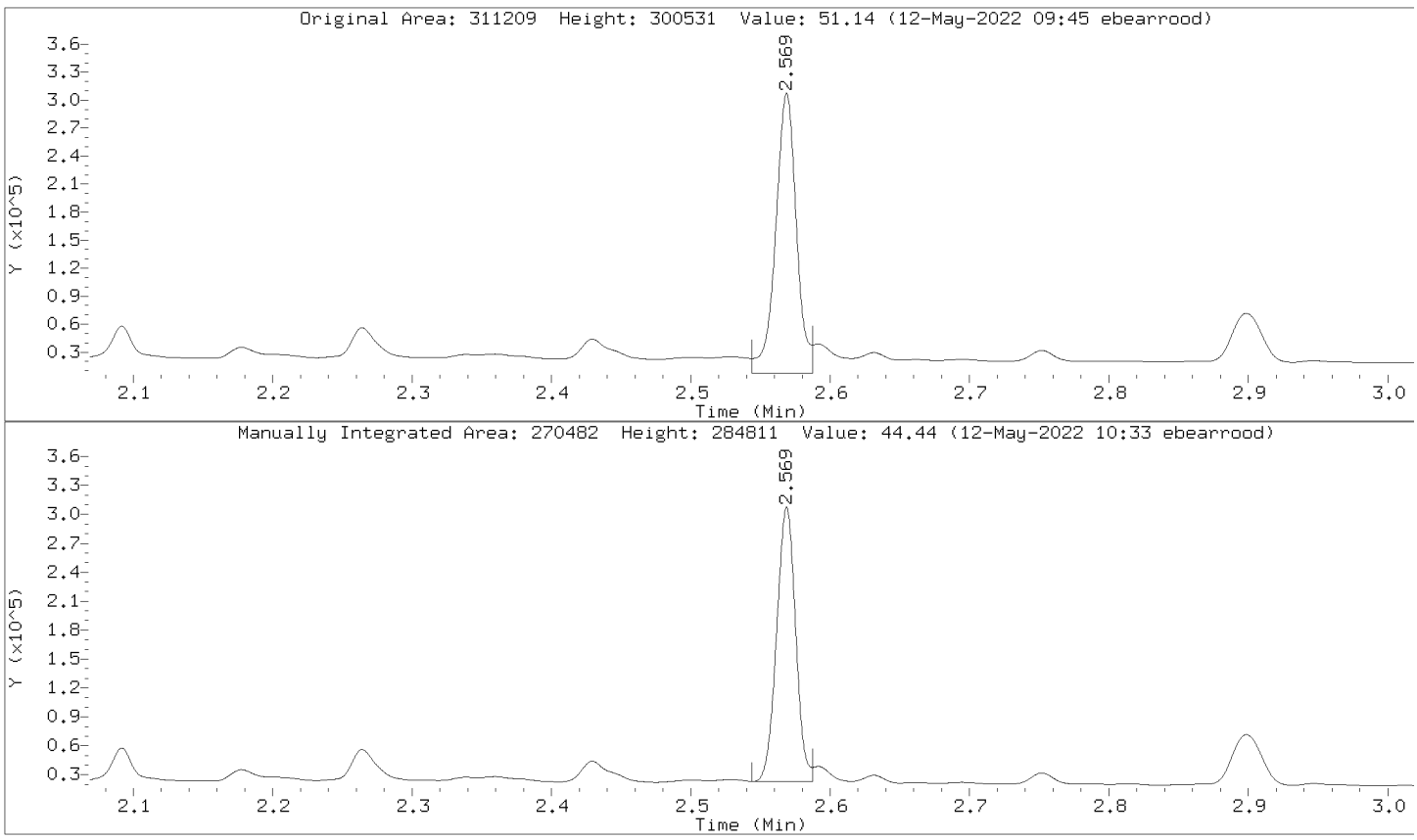
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000064.D
Injection Date: 12-MAY-2022 01:15
Instrument: 10gcsF.i
Lab Sample ID: 4310215

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000064.D
Injection Date: 12-MAY-2022 01:15
Instrument: 10gcsF.i
Lab Sample ID: 4310215

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	2352509	2352509
Motor Oil Range	1969537	1969537
Diesel Fuel Range SG	2352509	2352509
Motor Oil Range SG	1969537	1969537
n-Triacontane (S)	325987	242363
o-Terphenyl (S)	311209	270482

SAMPLE NO.

MS

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received: 05/02/2022 08:50
Matrix: Solid
SDG No.: 10606560
Date Extracted: 05/03/2022 17:14
Lab Sample ID: 4310216
Date Analyzed: 05/12/2022 02:45
Lab File ID: 051122F.B\0511F0000072.D
Initial wt/vol: 10.02 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 10GCSF
Percent Moisture: 32.6%

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/kg	Q
68334-30-5	Diesel Fuel Range	65.4	
	Motor Oil Range	80.1	

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000072.D
Lab Smp Id: 4310216 Client Smp ID: BNSF-BG20-042922-01
Inj Date : 12-MAY-2022 02:45
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 4310216
Misc Info : 39318
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 59 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: SOIL
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf*Vt/(Ws*Vi*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Ws	10.020	Weight of the sample extracted (g)
Vi	1.000	Volume Injected (uL)
M	32.599	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (mg/Kg)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.567	2.568	-0.001	225480	37.0511	5.49	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.028	4.028	0.000	238312	49.0036	7.26	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		2219425	541.222	80.1	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		2219425	541.603	80.2	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		2176558	441.610	65.4	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		2176558	441.610	65.4	(M)	RNG

QC Flag Legend

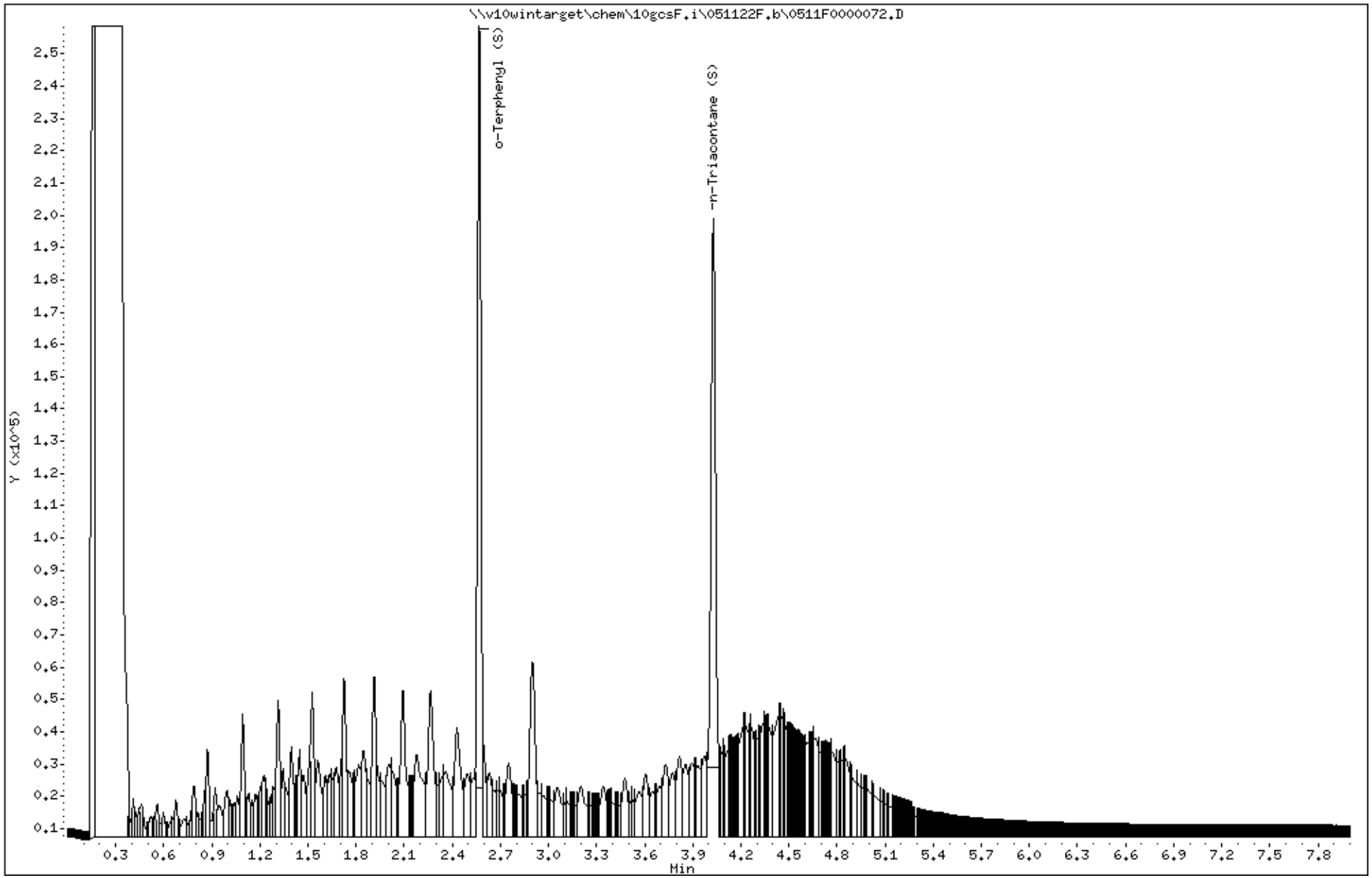
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

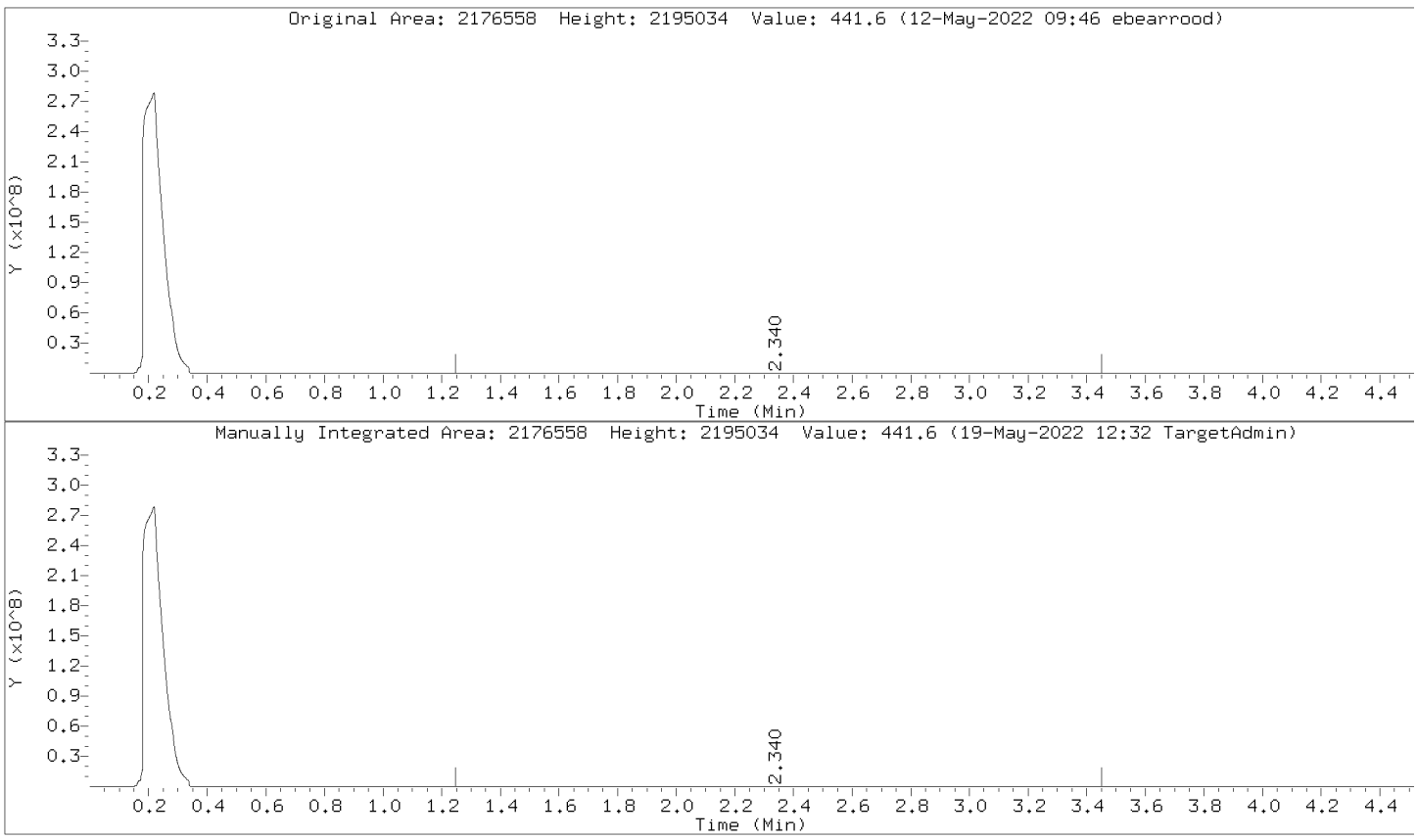
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000072.D
Date : 12-MAY-2022 02:45
Client ID: BNSF-BG20-042922-01
Sample Info: 4310216
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32



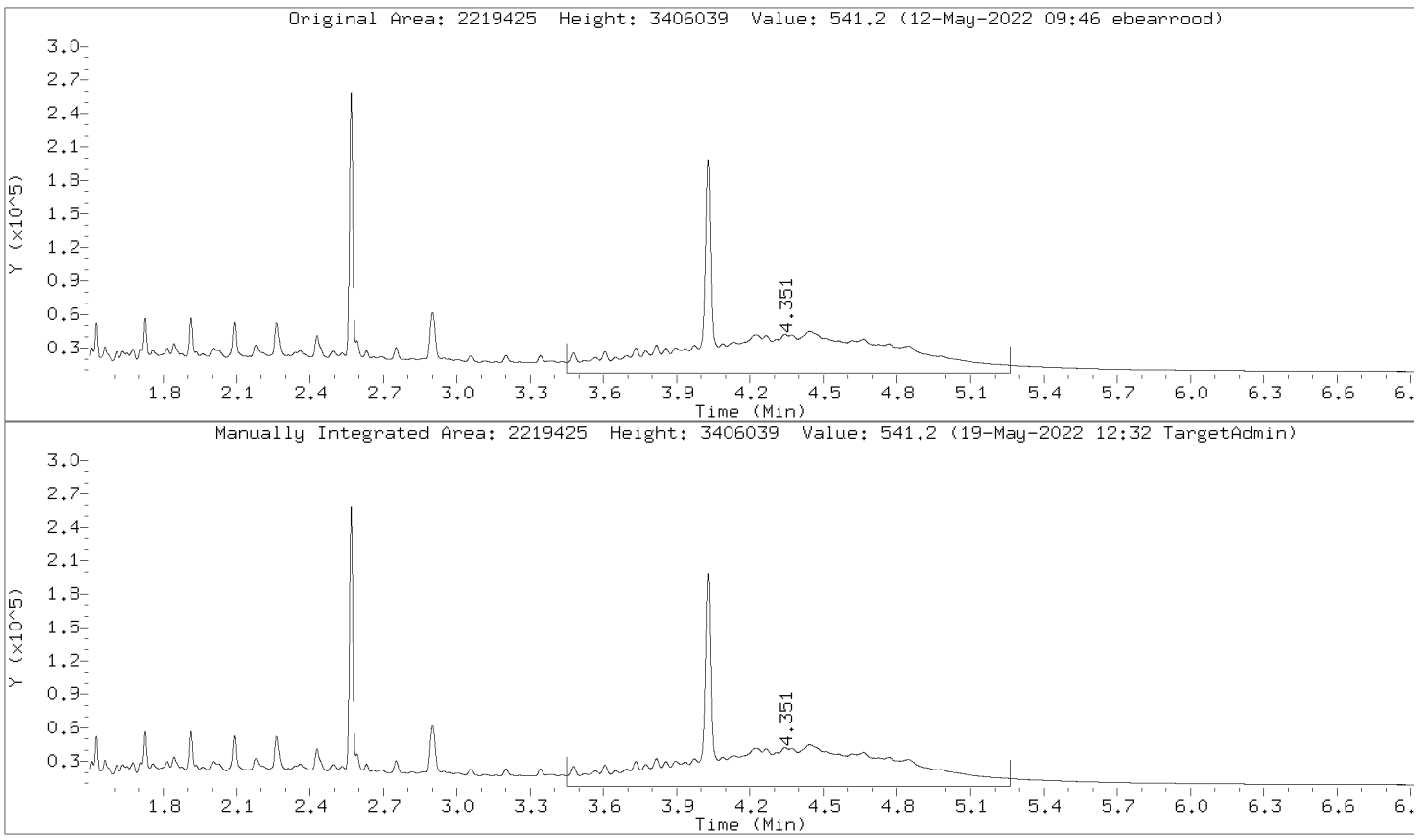
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000072.D
Injection Date: 12-MAY-2022 02:45
Instrument: 10gcsF.i
Lab Sample ID: 4310216

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



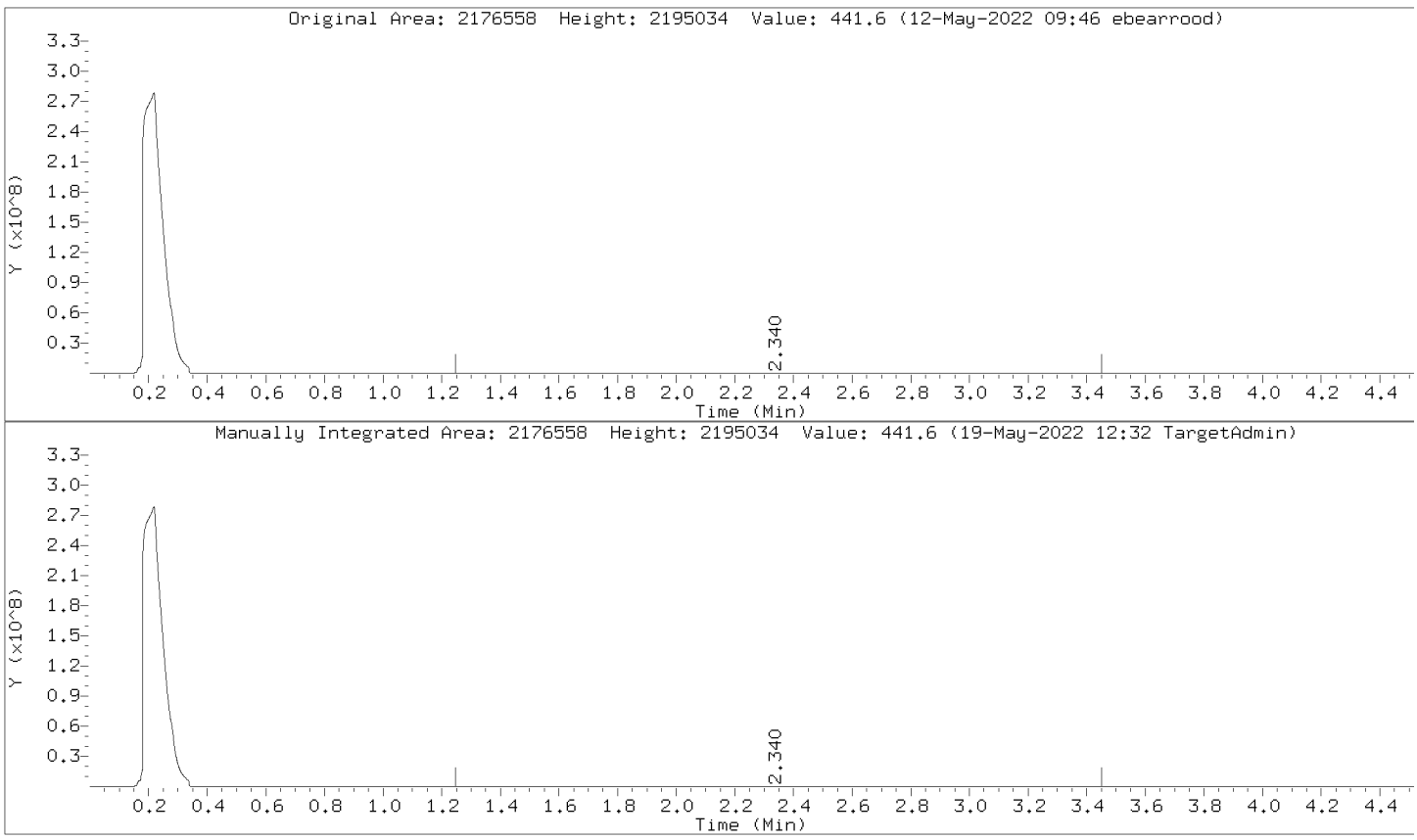
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000072.D
Injection Date: 12-MAY-2022 02:45
Instrument: 10gcsF.i
Lab Sample ID: 4310216

Compound: Motor Oil Range Review Code: RNG
CAS Number:



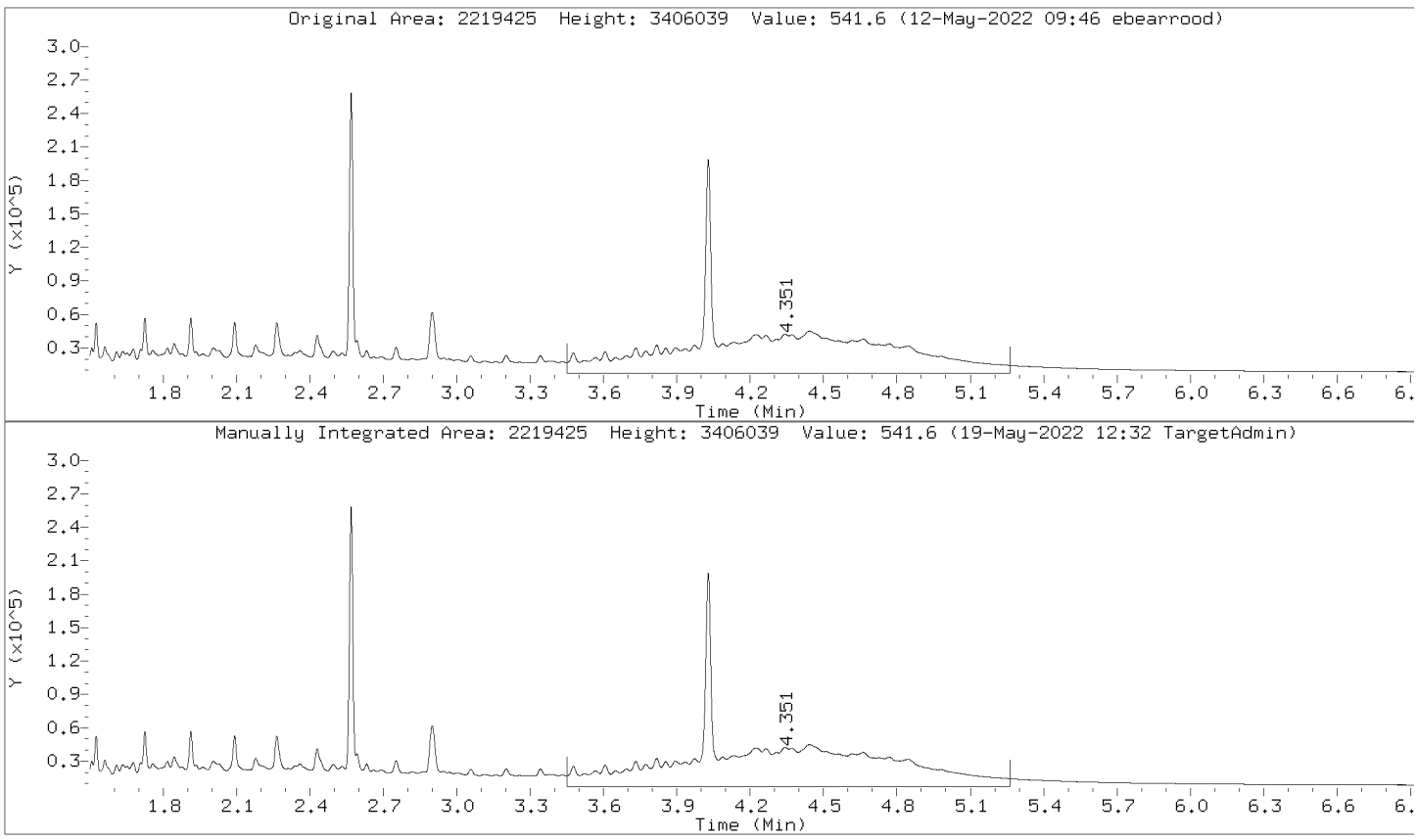
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000072.D
Injection Date: 12-MAY-2022 02:45
Instrument: 10gcsF.i
Lab Sample ID: 4310216

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



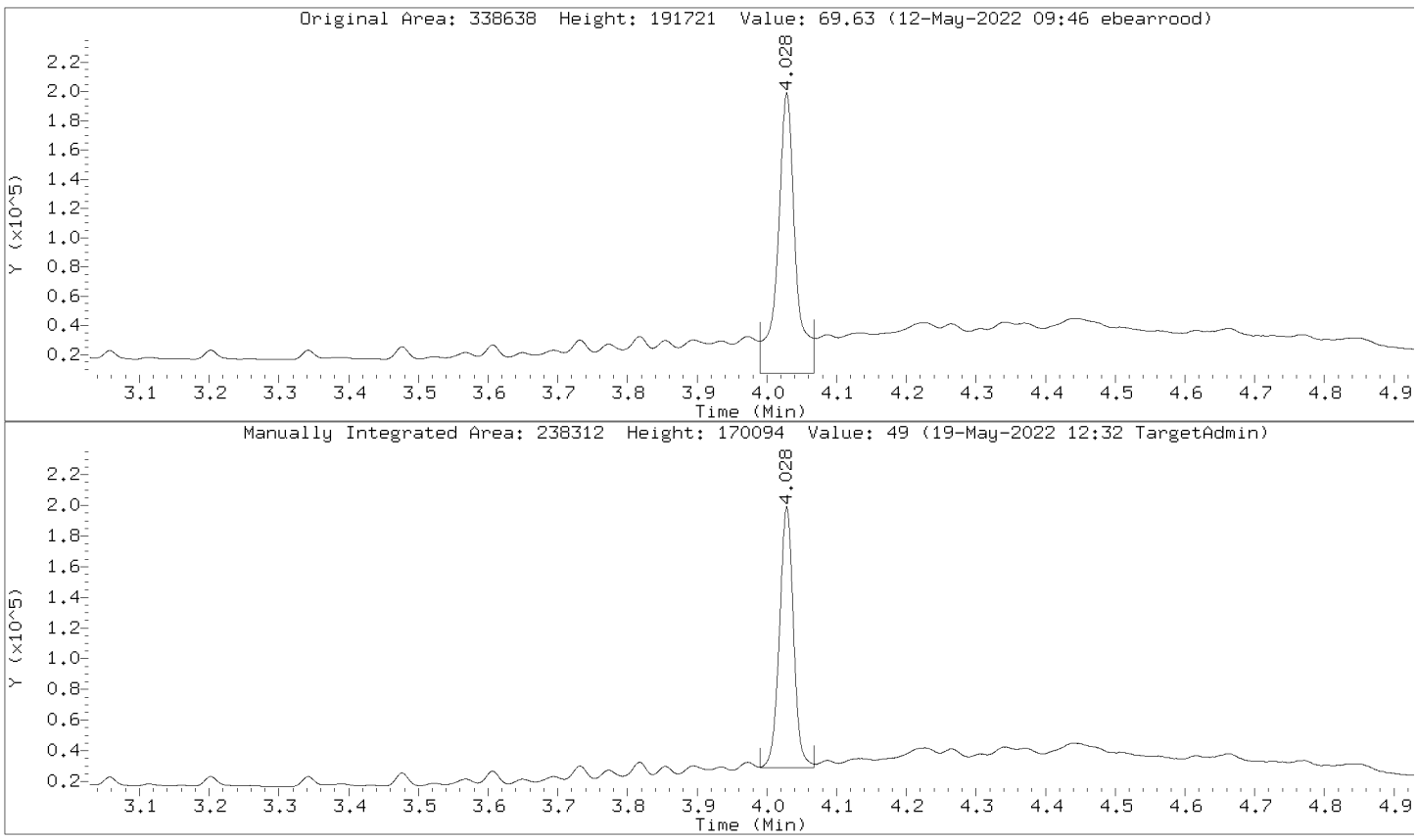
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000072.D
Injection Date: 12-MAY-2022 02:45
Instrument: 10gcsF.i
Lab Sample ID: 4310216

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



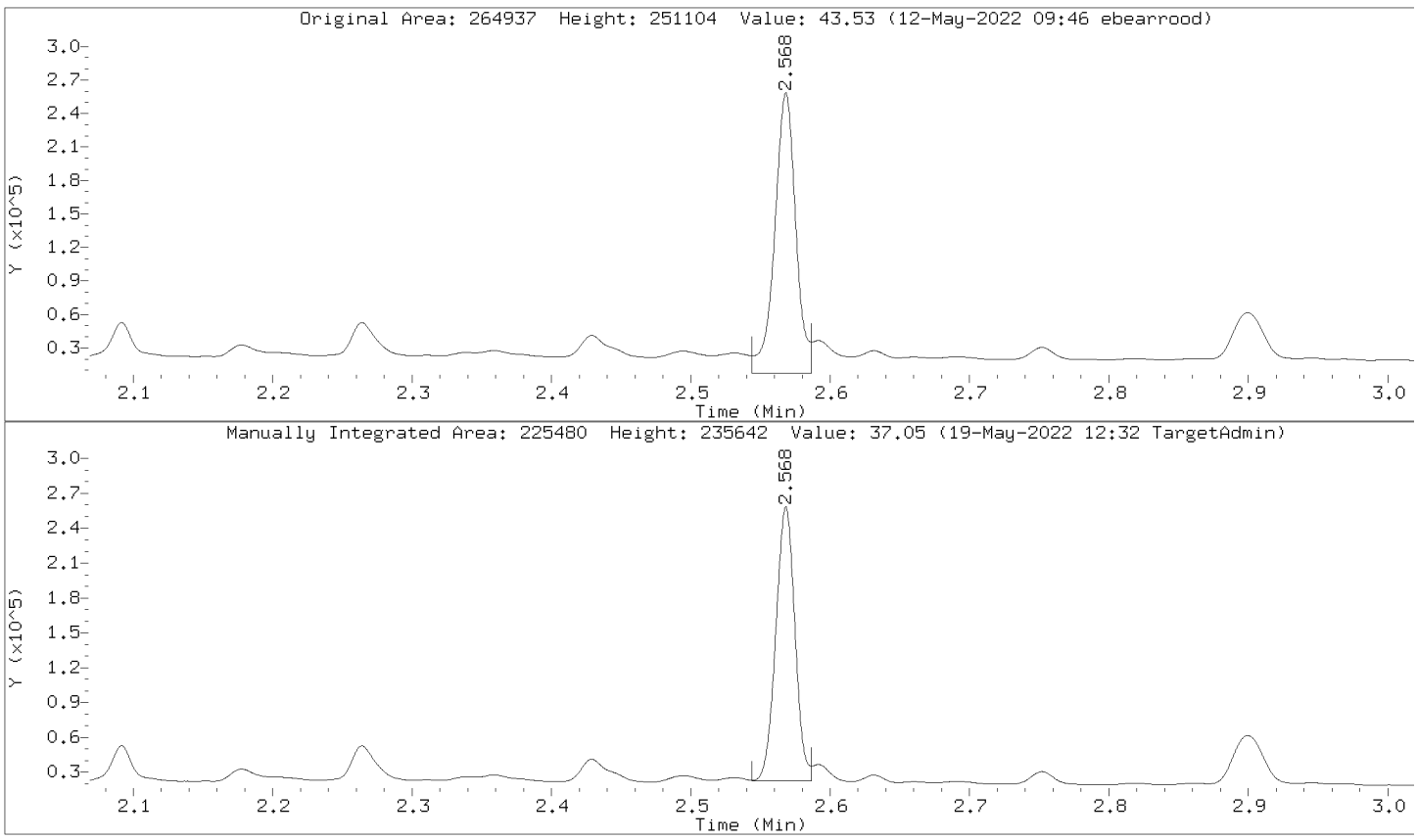
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000072.D
Injection Date: 12-MAY-2022 02:45
Instrument: 10gcsF.i
Lab Sample ID: 4310216

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000072.D
Injection Date: 12-MAY-2022 02:45
Instrument: 10gcsF.i
Lab Sample ID: 4310216

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	2176558	2176558
Motor Oil Range	2219425	2219425
Diesel Fuel Range SG	2176558	2176558
Motor Oil Range SG	2219425	2219425
n-Triacontane (S)	338638	238312
o-Terphenyl (S)	264937	225480

SAMPLE NO.

MSD

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received: 05/02/2022 08:50
Matrix: Solid
SDG No.: 10606560
Date Extracted: 05/03/2022 17:14
Lab Sample ID: 4310217
Date Analyzed: 05/12/2022 02:57
Lab File ID: 051122F.B\0511F0000073.D
Initial wt/vol: 10.03 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 10GCSF
Percent Moisture: 32.6%

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/kg	Q
68334-30-5	Diesel Fuel Range	69.5	
	Motor Oil Range	90.2	

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000073.D
Lab Smp Id: 4310217 Client Smp ID: BNSF-BG20-042922-01
Inj Date : 12-MAY-2022 02:57
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 4310217
Misc Info : 39318
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 60 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: SOIL
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf*Vt/(Ws*Vi*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Ws	10.030	Weight of the sample extracted (g)
Vi	1.000	Volume Injected (uL)
M	32.599	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (mg/Kg)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.568	2.568	0.000	244777	40.2221	5.95	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.029	4.028	0.001	254394	52.3105	7.74	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		2486785	609.970	90.2	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		2486785	610.339	90.3	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		2298026	469.653	69.5	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		2298026	469.653	69.5	(M)	RNG

QC Flag Legend

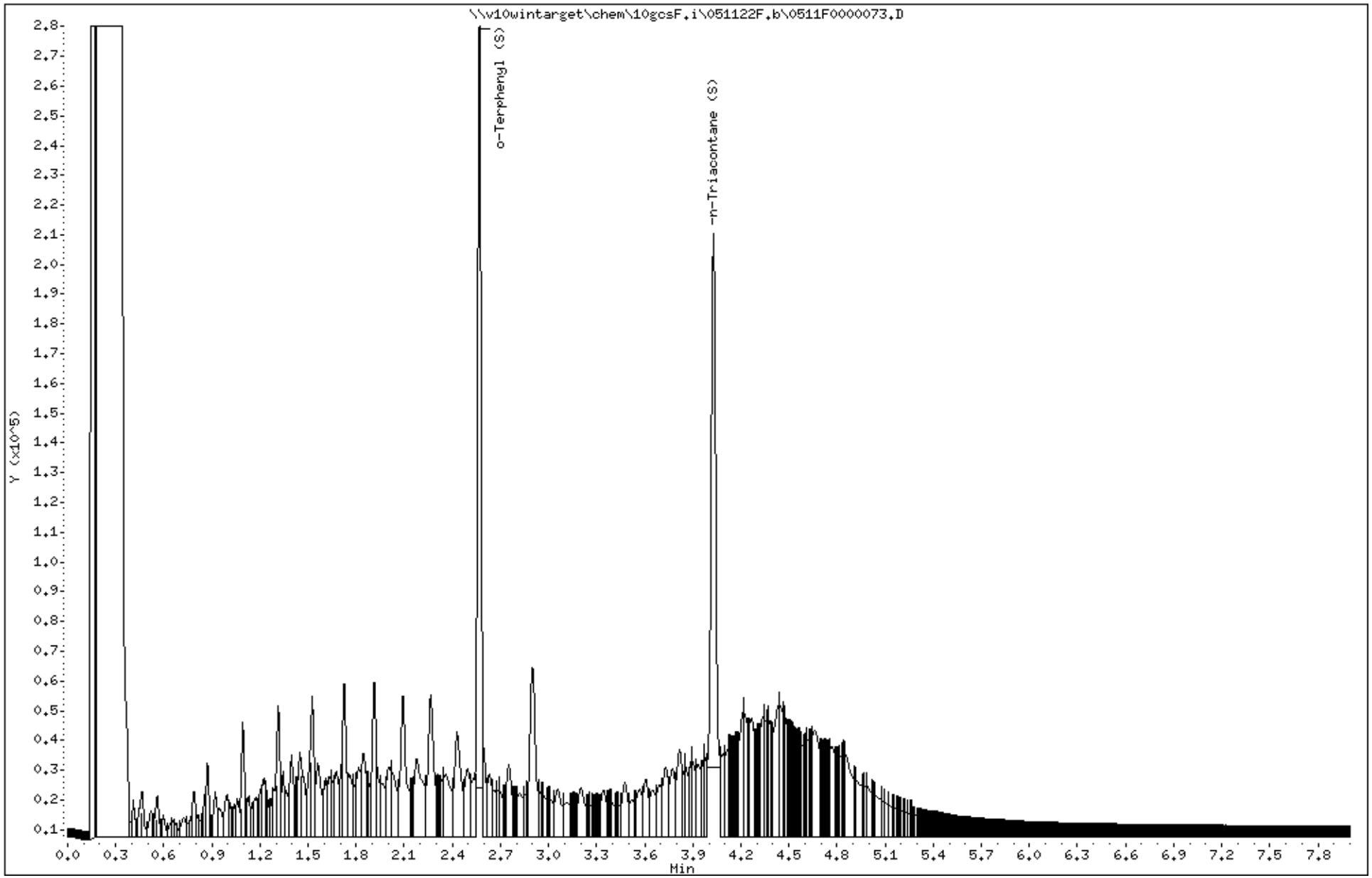
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

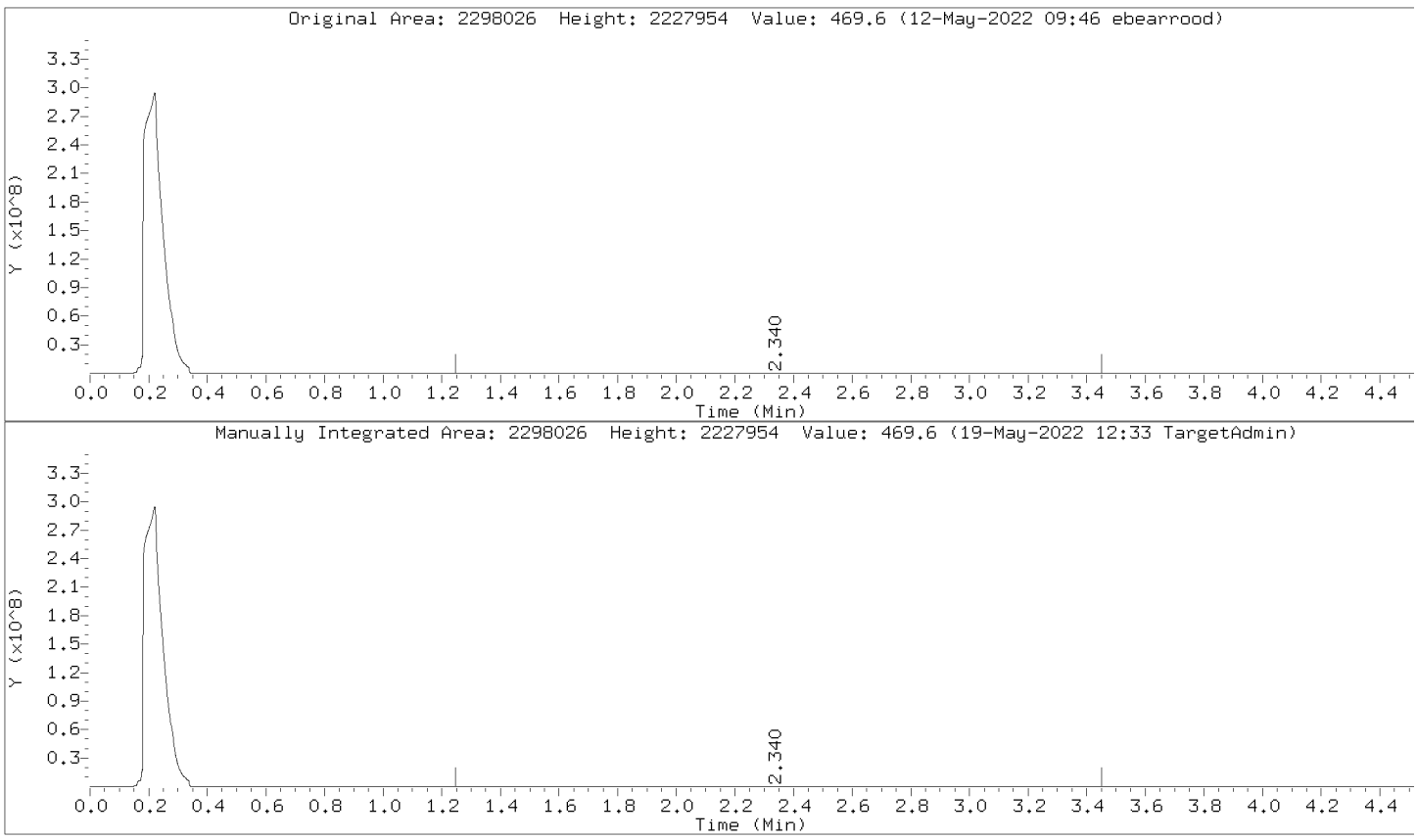
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000073.D
Date : 12-MAY-2022 02:57
Client ID: BNSF-BG20-042922-01
Sample Info: 4310217
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32



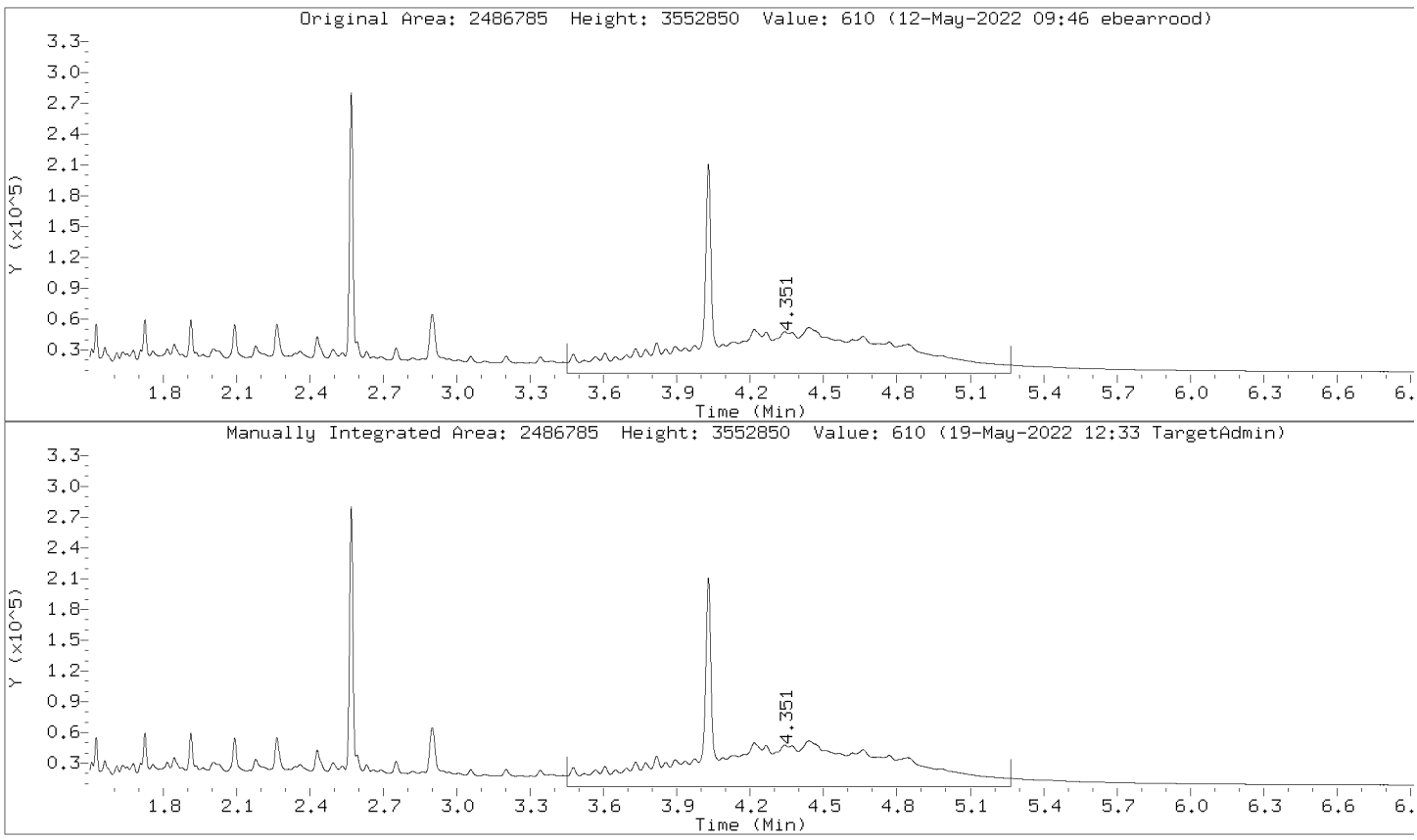
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000073.D
Injection Date: 12-MAY-2022 02:57
Instrument: 10gcsF.i
Lab Sample ID: 4310217

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



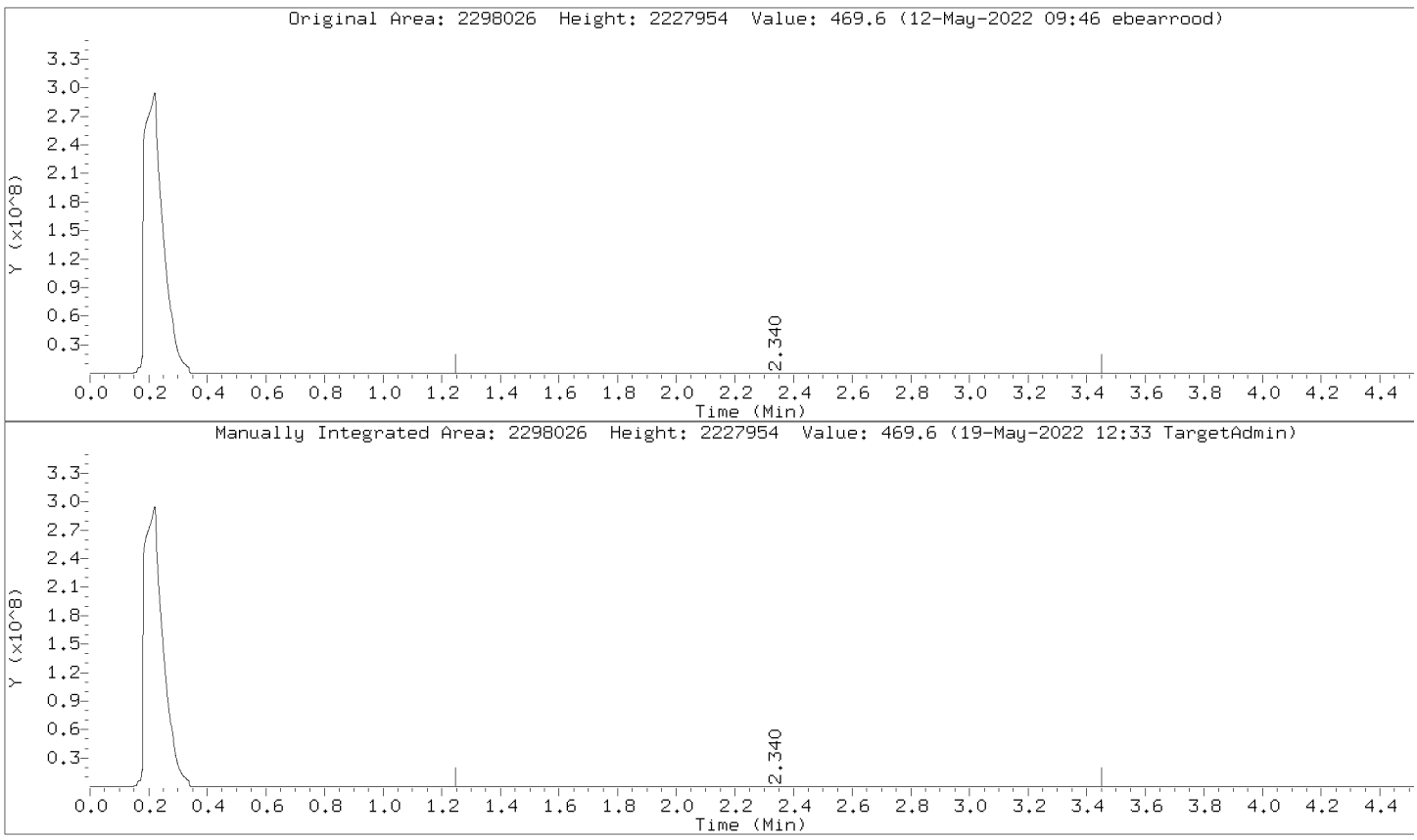
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000073.D
Injection Date: 12-MAY-2022 02:57
Instrument: 10gcsF.i
Lab Sample ID: 4310217

Compound: Motor Oil Range Review Code: RNG
CAS Number:



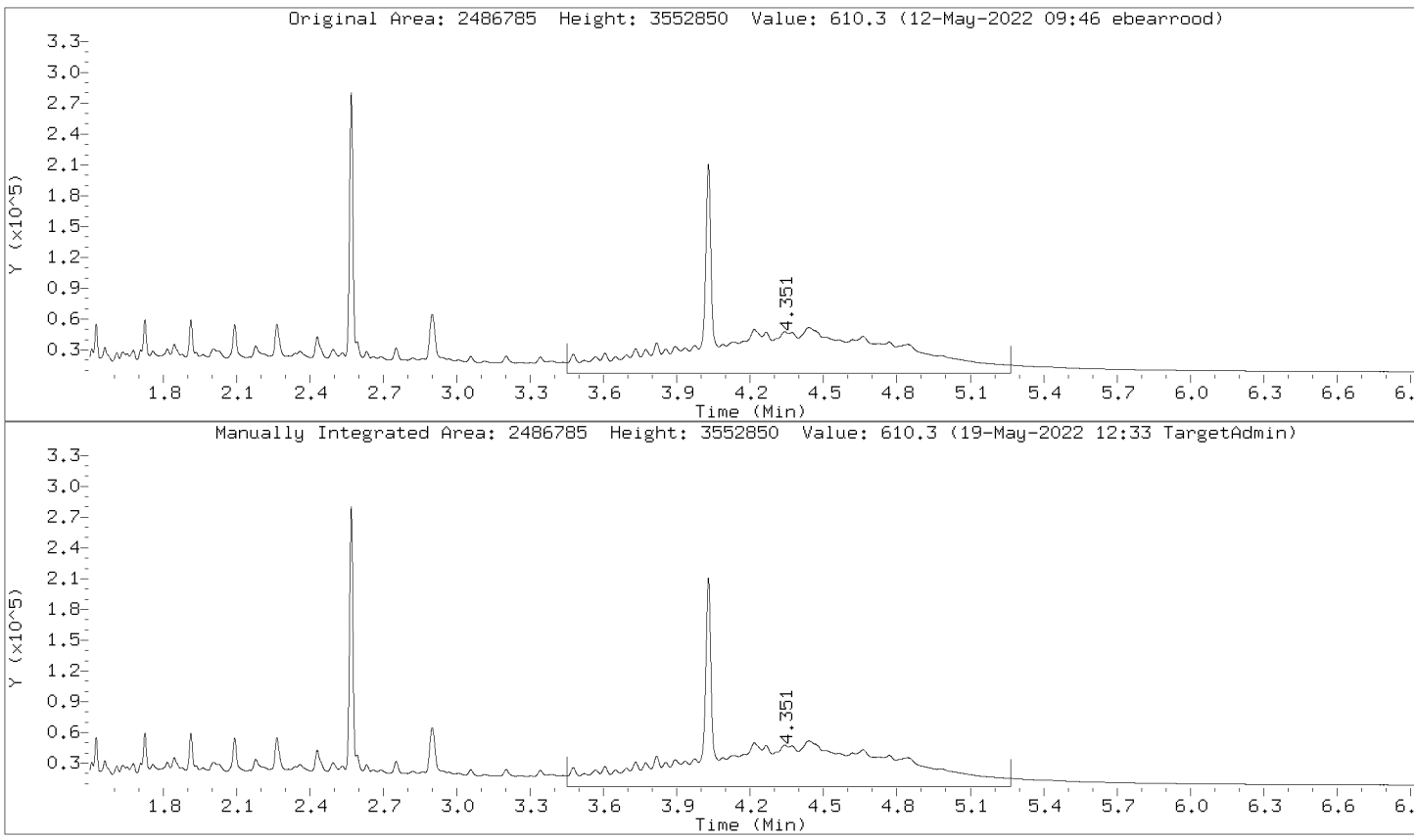
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000073.D
Injection Date: 12-MAY-2022 02:57
Instrument: 10gcsF.i
Lab Sample ID: 4310217

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



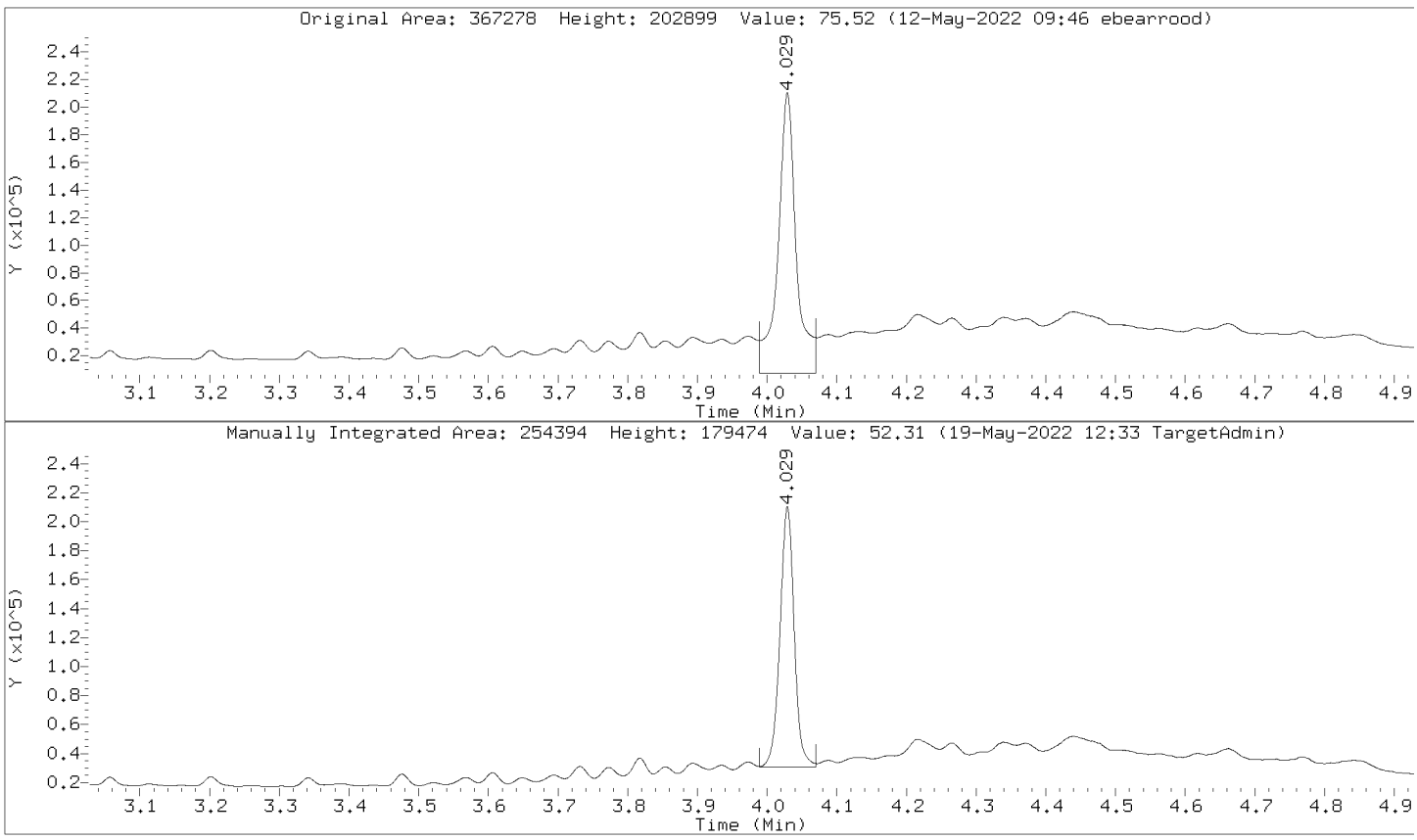
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000073.D
Injection Date: 12-MAY-2022 02:57
Instrument: 10gcsF.i
Lab Sample ID: 4310217

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



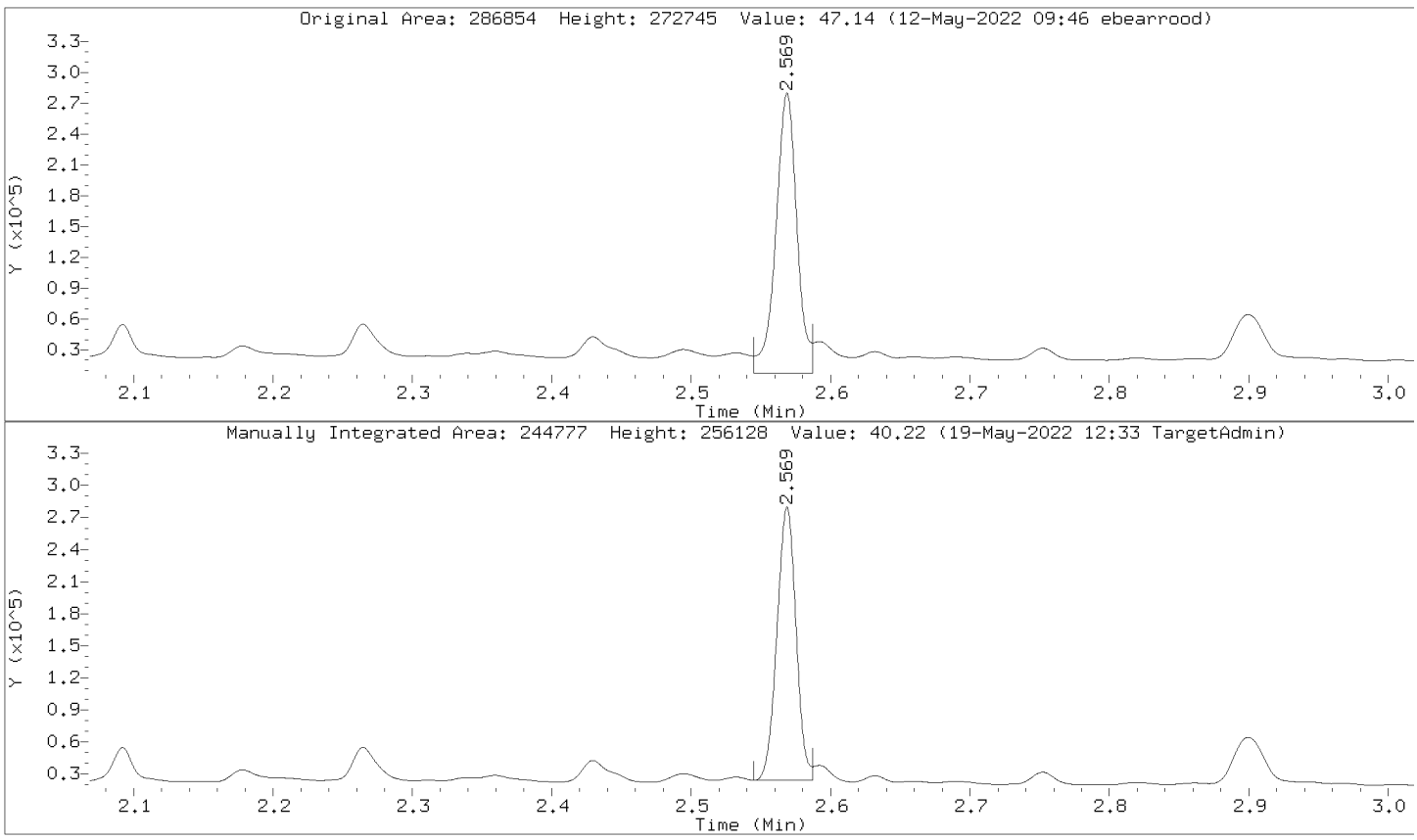
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000073.D
Injection Date: 12-MAY-2022 02:57
Instrument: 10gcsF.i
Lab Sample ID: 4310217

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000073.D
Injection Date: 12-MAY-2022 02:57
Instrument: 10gcsF.i
Lab Sample ID: 4310217

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	2298026	2298026
Motor Oil Range	2486785	2486785
Diesel Fuel Range SG	2298026	2298026
Motor Oil Range SG	2486785	2486785
n-Triacontane (S)	367278	254394
o-Terphenyl (S)	286854	244777

Prep Log Report

Batch Information: OEXT 64533 812903 NWDROS

Template Version: ENV-EPL-MIN4-0072-Rev.00 (03Jan2021)

Prep Method	EPA 3550	Analysis Method	NWTPH-Dx	Prepared By	ACV	Extracted Date/Time	05/03/2022 17:14:21:670
Instrument	10BALV	Calibrated	Yes	Sonicator Tune Date	05/03/2022 12:40:35:114	Spiked By	ACV
Dispenser ID 1	Q617	Dispenser ID 2		Syringe ID 1	Q418	Syringe ID 2	Q627
Syringe ID 3		Pipette ID 1	PP1-42	Conc. Method	WaterBath	Concentrated By	VH
Concentration Date/Time	05/04/2022	Methylene Chloride	362509	MeCl/Acetone 80:20	363928	Ottawa Sand	357927
Sodium Sulfate	355640-06	Glass Wool	363836	Gravity Filters	None Added	Vial Lot #	22025312
Reviewed By	RS	Reviewed By Date	05/05/2022 06:06	Batch Notes	Syringe Q826		

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	Matrix	Sample ID Verified By	Spike Verified By	Container + Sample Wt (g)	Container Wt (g)	Initial Amount (g | mL | wipe)	Final Volume (mL)	Sonicator ID	Water Bath ID	Water Bath Thermo ID	Correction Factor
NWDROS_P	BLANK	**4310214**	Y	Solid	scanner	No one to verify			10	1		10OP29	210745396	1
NWDROS_P	LCS	**4310215**	Y	Solid	scanner	No one to verify			10	1		10OP29	210745396	1
NWDROS_P	PS	**10606560001**	Y	Solid	scanner	No one to verify			10.11	1		10OP29	210745396	1
NWDROS_P	PS	**10606560002**	Y	Solid	scanner	No one to verify			10.05	1		10OP29	210745396	1
NWDROS_P	RQS	**10606560003**	Y	Solid	scanner	No one to verify			10.09	1		10OP29	210745396	1
NWDROS_P	MS	**4310216**	Y	Solid	scanner	No one to verify			10.02	1		10OP29	210745396	1
NWDROS_P	MSD	**4310217**	Y	Solid	scanner	No one to verify			10.03	1		10OP29	210745396	1
NWDROS_P	PS	**10606565001**	Y	Solid	scanner	No one to verify			10.07	1		10OP29	210745396	1
NWDROS_P	PS	**10606565002**	Y	Solid	scanner	No one to verify			10.01	1		10OP29	210745396	1
NWDROS_P	PS	**10606565003**	Y	Solid	scanner	No one to verify			10.05	1		10OP29	210745396	1
NWDROS_P	PS	**10606565004**	Y	Solid	scanner	No one to verify			10.02	1		10OP29	210745396	1
NWDROS_P	PS	**10606565005**	Y	Solid	scanner	No one to verify			10.06	1		10OP29	210745396	1
NWDROS_P	PS	**10606565006**	Y	Solid	scanner	No one to verify			10.08	1		10OP29	210745396	1

Prep Log Report

QC Rule	Sample Type	Lab Sample ID	Water Bath Temp | Corr (C)	Sample Notes	DMO-SPK (uL)	ntcs-SS (uL)	oter-SS (uL)
NWDROS_P	BLANK	**4310214**	98.00 | 99.00			360523 (10)	356212 (25)
NWDROS_P	LCS	**4310215**	98.00 | 99.00		358262 (250)	360523 (10)	356212 (25)
NWDROS_P	PS	**10606560001**	98.00 | 99.00	2*		360523 (10)	356212 (25)
NWDROS_P	PS	**10606560002**	98.00 | 99.00	1*		360523 (10)	356212 (25)
NWDROS_P	RQS	**10606560003**	98.00 | 99.00	2*		360523 (10)	356212 (25)
NWDROS_P	MS	**4310216**	98.00 | 99.00	2*	358262 (250)	360523 (10)	356212 (25)
NWDROS_P	MSD	**4310217**	98.00 | 99.00	2*	358262 (250)	360523 (10)	356212 (25)
NWDROS_P	PS	**10606565001**	98.00 | 99.00	2*		360523 (10)	356212 (25)
NWDROS_P	PS	**10606565002**	98.00 | 99.00	1*		360523 (10)	356212 (25)
NWDROS_P	PS	**10606565003**	98.00 | 99.00	1*		360523 (10)	356212 (25)
NWDROS_P	PS	**10606565004**	98.00 | 99.00	1*		360523 (10)	356212 (25)
NWDROS_P	PS	**10606565005**	98.00 | 99.00	2*		360523 (10)	356212 (25)
NWDROS_P	PS	**10606565006**	98.00 | 99.00	2*		360523 (10)	356212 (25)

Sample Notes:

1*: decant standing water, wet sample

2*: wet sample

Standard Notes:

356212: received 03/14/22

360523: Recieved 4/11/22

Pace Analytical™

Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot: NA

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0509F0000001.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 09:51	TT2	
0509F0000002.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:02	TT2	
0509F0000003.D	DMO-RTM,362402	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:14	TT2	rr pressure leak
0509F0000004.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:35	TT2	
0509F0000005.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:47	TT2	
0509F0000006.D	DMO-RTM,362402	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:59	TT2	
0509F0000007.D	DMO-CAL1,364979	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:10	TT2	
0509F0000008.D	DMO-CAL2,364980	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:22	TT2	
0509F0000009.D	DMO-CAL3,364981	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:33	TT2	Pass 30% for all target analytes
0509F0000010.D	DMO-CAL4,364982	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:45	TT2	Pass 40% for all target analytes
0509F0000011.D	DMO-CAL5,364983	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:56	TT2	Pass 40% for all target analytes
0509F0000012.D	DMO-CAL6,364984	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:08	TT2	
0509F0000013.D	DMO-CAL7,364985	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:20	TT2	
0509F0000014.D	DMO-CAL8,364986	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:31	TT2	
0509F0000015.D	DMO-CAL9,364987	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:43	TT2	
0509F0000016.D	DMO-CAL10,364988	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:54	TT2	ICAL Passing
0509F0000017.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 13:06	TT2	
0509F0000018.D	DMO-ICV,364989	/39289	CCal	1		GCSFAKNW8015-050922_	5/09/22 13:18	TT2	Failing made wrong
0509F0000019.D	PBLK,363301	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 13:29	TT2	
0509F0000020.D	DMO-ICV,355155	/39289	CCal	1		GCSFAKNW8015-050922_	5/09/22 14:13	TT2	possibly conc out.
0509F0000021.D	PBLK,363301	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 14:24	TT2	
0509F0000022.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 14:57	TT2	
0509F0000023.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 15:08	TT2	
0509F0000024.D	DMO-CAL1,364979	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 15:19	TT2	Drop CAL1
0509F0000025.D	DMO-CAL2,364980	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 15:31	TT2	
0509F0000026.D	DMO-CAL3,364981	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 15:43	TT2	Pass 30% for all target analytes
0509F0000027.D	DMO-CAL4,364982	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 15:54	TT2	Pass 40% for all target analytes
0509F0000028.D	DMO-CAL5,364983	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:06	TT2	Pass 40% for all target analytes
0509F0000029.D	DMO-CAL6,364984	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:18	TT2	
0509F0000030.D	DMO-CAL7,364985	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:29	TT2	
0509F0000031.D	DMO-CAL8,364986	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:41	TT2	
0509F0000032.D	DMO-CAL9,364987	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:53	TT2	
0509F0000033.D	DMO-CAL10,364988	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 17:04	TT2	ICAL Passing
0509F0000034.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 17:16	TT2	ran to stabilize baseline
0509F0000035.D	DMO-ICV,365117	/39289	CCal	1		GCSFAKNW8015-050922_	5/09/22 17:27	TT2	Pass 15% for all ranges
0509F0000036.D	PBLK,363301	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 17:39	TT2	Clean

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Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot: NA

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments

Check Maintenance Items Performed:

Changed septum	Clipped column	Changed column - Lot #
Cleaned liner	Changed trap - Lot #	Other minor parts replaced
Replaced/Cleaned gold seal	Cleaned MS Source	No maintenance performed today

Additional Comments:

File Path 1: \\V10WINTARGET\CHEM\10GCSF.I\050922F.B
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Run order verified:

Report Date: 05/10/2022 06:45
Reviewed By/Date:

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Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot:

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0511F0000001.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/11/22 13:22	EB3	
0511F0000002.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/11/22 13:34	EB3	
0511F0000003.D	DMO-RTM,365036	/39289	Sample	1		GCSFAKNW8015-050922_	5/11/22 13:45	EB3	
0511F0000004.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 13:56	EB3	Pass 15% for all ranges
0511F0000005.D	4305172	L/39219	Blank	1		GCSFAKNW8015-050922_	5/11/22 14:08	EB3	ok
0511F0000006.D	4305173	L/39219	LCS	1		GCSFAKNW8015-050922_	5/11/22 14:19	EB3	pass
0511F0000007.D	4305174	L/39219	LCSD	1		GCSFAKNW8015-050922_	5/11/22 14:30	EB3	pass
0511F0000008.D	10606016007	L/39219	Sample	1		GCSFAKNW8015-050922_	5/11/22 14:41	EB3	this is a RX OOH result, does not confirm
0511F0000009.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 14:53	EB3	Pass 15% for all ranges
0511F0000010.D	4295310	S/39118	Blank	1		GCSFAKNW8015-050922_	5/11/22 15:04	EB3	ok
0511F0000011.D	10604453006	S/39118	Sample	1		GCSFAKNW8015-050922_	5/11/22 15:15	EB3	confirms failing high, RX
0511F0000012.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 15:27	EB3	Pass 15% for all ranges
0511F0000013.D	4313529	L/39306	Blank	1		GCSFAKNW8015-050922_	5/11/22 15:38	EB3	ok
0511F0000014.D	10607257004	L/39306	Sample	1		GCSFAKNW8015-050922_	5/11/22 15:49	EB3	confirms surr failing low, RX
0511F0000015.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 16:01	EB3	Pass 15% for all ranges
0511F0000016.D	4315536	L/39305	Blank	1		GCSFAKNW8015-050922_	5/11/22 16:12	EB3	ok
0511F0000017.D	10607414002	L/39305	Sample	1		GCSFAKNW8015-050922_	5/11/22 16:23	EB3	confirms surr failing low, RX
0511F0000018.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 16:35	EB3	Pass 15% for all ranges
0511F0000019.D	4316005	S/39301	Blank	1		GCSFAKNW8015-050922_	5/11/22 16:46	EB3	ok
0511F0000020.D	4316006	S/39301	LCS	1		GCSFAKNW8015-050922_	5/11/22 16:57	EB3	pass
0511F0000021.D	10607520001	S/39301	Sample	50		GCSFAKNW8015-050922_	5/11/22 17:09	EB3	
0511F0000022.D	4316061	S/39301	MS	50		GCSFAKNW8015-050922_	5/11/22 17:20	EB3	
0511F0000023.D	4316062	S/39301	MSD	50		GCSFAKNW8015-050922_	5/11/22 17:32	EB3	
0511F0000024.D	10607127001	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 17:43	EB3	
0511F0000025.D	10607127002	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 17:54	EB3	
0511F0000026.D	10607127003	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 18:06	EB3	
0511F0000027.D	10607127004	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 18:17	EB3	
0511F0000028.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 18:28	EB3	Pass 15% for all ranges
0511F0000029.D	4316005	/39309	Sample	1		GCSFAKNW8015-050922_	5/11/22 18:40	EB3	ok
0511F0000030.D	10607365004	S/39309	Sample	100		GCSFAKNW8015-050922_	5/11/22 18:51	EB3	
0511F0000031.D	10607365012	S/39309	Sample	100		GCSFAKNW8015-050922_	5/11/22 19:02	EB3	
0511F0000032.D	10607365006	S/39309	Sample	20		GCSFAKNW8015-050922_	5/11/22 19:14	EB3	
0511F0000033.D	10607365010	S/39309	Sample	100		GCSFAKNW8015-050922_	5/11/22 19:25	EB3	
0511F0000034.D	10606997001	S/39308	Sample	10		GCSFAKNW8015-050922_	5/11/22 19:36	EB3	
0511F0000035.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 19:47	EB3	Pass 15% for all ranges
0511F0000036.D	4316165	L/39327	Blank	1		GCSFAKNW8015-050922_	5/11/22 19:59	EB3	ok
0511F0000037.D	4316166	L/39327	LCS	1		GCSFAKNW8015-050922_	5/11/22 20:10	EB3	pass
0511F0000038.D	4316167	L/39327	LCSD	1		GCSFAKNW8015-050922_	5/11/22 20:21	EB3	pass
0511F0000039.D	10607446001	L/39327	Sample	10		GCSFAKNW8015-050922_	5/11/22 20:33	EB3	rr 1X
0511F0000040.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 20:44	EB3	Pass 15% for all ranges
0511F0000041.D	4310138	L/39317	Blank	1		GCSFAKNW8015-050922_	5/11/22 20:55	EB3	ok
0511F0000042.D	4310139	L/39317	LCS	1		GCSFAKNW8015-050922_	5/11/22 21:07	EB3	pass
0511F0000043.D	4310140	L/39317	LCSD	1		GCSFAKNW8015-050922_	5/11/22 21:18	EB3	pass
0511F0000044.D	10606561001	L/39317	Sample	1		GCSFAKNW8015-050922_	5/11/22 21:29	EB3	
0511F0000045.D	4310141	L/39317	Dupe	1		GCSFAKNW8015-050922_	5/11/22 21:41	EB3	
0511F0000046.D	10606563001	L/39317	Sample	1		GCSFAKNW8015-050922_	5/11/22 21:52	EB3	

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Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot:

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0511F0000047.D	DMO-CCV,363721	/39289	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:03	EB3	Pass 15% for all ranges
0511F0000048.D	4316763	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:14	EB3	hit in MB, rr to confirm
0511F0000049.D	4316764	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:26	EB3	rr
0511F0000050.D	4316765	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:37	EB3	|
0511F0000051.D	10607576002	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:48	EB3	|
0511F0000052.D	4316766	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:00	EB3	|
0511F0000053.D	10607576003	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:11	EB3	|
0511F0000054.D	10607576004	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:22	EB3	|
0511F0000055.D	10607576005	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:33	EB3	|
0511F0000056.D	10607576006	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:45	EB3	|
0511F0000057.D	10607576007	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:56	EB3	|
0511F0000058.D	10607576008	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:07	EB3	|
0511F0000059.D	10607576009	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:19	EB3	|
0511F0000060.D	10607576010	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:30	EB3	|
0511F0000061.D	10607576011	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:41	EB3	V
0511F0000062.D	DMO-CCV,363721	/39289	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:52	EB3	Pass 15% for all ranges
0511F0000063.D	4310214	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 01:04	EB3	ok
0511F0000064.D	4310215	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 01:15	EB3	pass
0511F0000065.D	10606565003	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 01:26	EB3	
0511F0000066.D	10606560001	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 01:38	EB3	rr 5X
0511F0000067.D	10606565004	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 01:49	EB3	rr 1X
0511F0000068.D	10606565005	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 02:00	EB3	rr 1X
0511F0000069.D	10606565006	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 02:12	EB3	rr 1X
0511F0000070.D	10606560002	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 02:23	EB3	
0511F0000071.D	10606560003	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 02:34	EB3	
0511F0000072.D	4310216	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 02:45	EB3	
0511F0000073.D	4310217	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 02:57	EB3	
0511F0000074.D	10606565001	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 03:08	EB3	
0511F0000075.D	10606565002	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 03:19	EB3	
0511F0000076.D	DMO-CCV,363721	/39289	Sample	1		GCSFAKNW8015-050922_	5/12/22 03:31	EB3	Pass 15% for all ranges
0511F0000077.D	PBLK,4305172	/	Sample	1		GCSFAKNW8015-050922_	5/12/22 03:42	EB3	clean

Check Maintenance Items Performed:

Changed septum	Clipped column	Changed column - Lot #
Cleaned liner	Changed trap - Lot #	Other minor parts replaced
Replaced/Cleaned gold seal	Cleaned MS Source	No maintenance performed today

Additional Comments:

File Path 1: \\V10WINTARGET\CHEM\10GCSF.I\051122F.B
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Run order verified:

Report Date: 05/12/2022 10:42
Reviewed By/Date:

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Instrument Run Log

Instrument: 10GCSF | Method: 8015/AK/NW | Solvent lot: | Surrogate Lot: See extract sheet
Column: DB-5-US21390001 0.32mm Hy | ISTD Lot:

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0512F0000001.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/12/22 13:59	EB3	
0512F0000002.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/12/22 14:10	EB3	
0512F0000003.D	DMO-RTM,365036	/39289	Sample	1		GCSFAKNW8015-050922_	5/12/22 14:22	EB3	
0512F0000004.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/12/22 14:33	EB3	Pass 15% for all ranges
0512F0000005.D	4318975	S/39346	Blank	1		GCSFAKNW8015-050922_	5/12/22 14:45	EB3	ok
0512F0000005C.	4318977	S/39347	Blank	1		GCSFAKNW8015-050922_	5/12/22 14:45	EB3	ok
0512F0000005B.	4318976	S/39345	Blank	1		GCSFAKNW8015-050922_	5/12/22 14:45	EB3	ok
0512F0000005D.	4325685	S/39396	Sample	1		GCSFAKNW8015-050922_	5/12/22 14:45	EB3	ok
0512F0000006.D	10604453010	S/39346	Sample	1		GCSFAKNW8015-050922_	5/12/22 14:57	EB3	8015S MDL
0512F0000006B.	10604453006	S/39345	Sample	1		GCSFAKNW8015-050922_	5/12/22 14:57	EB3	AK S MDL
0512F0000006C.	10604453014	S/39347	Sample	1		GCSFAKNW8015-050922_	5/12/22 14:57	EB3	NWS MDL
0512F0000006D.	10604453074	S/39396	Sample	1		GCSFAKNW8015-050922_	5/12/22 14:57	EB3	1036S MDL
0512F0000007.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/12/22 15:08	EB3	Pass 15% for all ranges
0512F0000008.D	4317738	L/39348	Blank	1		GCSFAKNW8015-050922_	5/12/22 15:20	EB3	ok
0512F0000009.D	4317739	L/39348	LCS	1		GCSFAKNW8015-050922_	5/12/22 15:31	EB3	pass
0512F0000010.D	4317740	L/39348	LCSD	1		GCSFAKNW8015-050922_	5/12/22 15:43	EB3	pass
0512F0000011.D	10607094001	L/39348	Sample	10		GCSFAKNW8015-050922_	5/12/22 15:55	EB3	rr 1X
0512F0000012.D	10607116001	L/39348	Sample	1		GCSFAKNW8015-050922_	5/12/22 16:06	EB3	
0512F0000013.D	10607116002	L/39348	Sample	1		GCSFAKNW8015-050922_	5/12/22 16:18	EB3	surr low due to emulsion
0512F0000014.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/12/22 16:29	EB3	Pass 15% for all ranges
0512F0000015.D	4318825	L/39349	Blank	1		GCSFAKNW8015-050922_	5/12/22 16:41	EB3	ok
0512F0000016.D	4318826	L/39349	LCS	1		GCSFAKNW8015-050922_	5/12/22 16:53	EB3	pass
0512F0000017.D	10607807003	L/39349	Sample	1		GCSFAKNW8015-050922_	5/12/22 17:04	EB3	
0512F0000018.D	4318827	L/39349	MS	1		GCSFAKNW8015-050922_	5/12/22 17:16	EB3	
0512F0000019.D	4318828	L/39349	MSD	1		GCSFAKNW8015-050922_	5/12/22 17:28	EB3	
0512F0000020.D	10607807004	L/39349	Sample	1		GCSFAKNW8015-050922_	5/12/22 17:39	EB3	rr 5X
0512F0000021.D	10607807002	L/39349	Sample	1		GCSFAKNW8015-050922_	5/12/22 17:51	EB3	rr 1X check for carryover
0512F0000022.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/12/22 18:02	EB3	Pass 15% for all ranges
0512F0000023.D	4318818	L/39350	Blank	1		GCSFAKNW8015-050922_	5/12/22 18:14	EB3	ok
0512F0000024.D	4318819	L/39350	LCS	1		GCSFAKNW8015-050922_	5/12/22 18:25	EB3	pass
0512F0000025.D	4318820	L/39350	LCSD	1		GCSFAKNW8015-050922_	5/12/22 18:36	EB3	pass
0512F0000026.D	10607876002	L/39350	Sample	1		GCSFAKNW8015-050922_	5/12/22 18:48	EB3	
0512F0000027.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/12/22 18:59	EB3	Pass 15% for all ranges
0512F0000028.D	4316165	L/39327	Blank	1		GCSFAKNW8015-050922_	5/12/22 19:10	EB3	ok
0512F0000029.D	10607446001	L/39327	Sample	1		GCSFAKNW8015-050922_	5/12/22 19:22	EB3	
0512F0000030.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/12/22 19:33	EB3	Pass 15% for all ranges
0512F0000031.D	4316763	L/39328	Blank	1		GCSFAKNW8015-050922_	5/12/22 19:44	EB3	confirms hit in MB
0512F0000032.D	4316764	L/39328	LCS	1		GCSFAKNW8015-050922_	5/12/22 19:56	EB3	pass
0512F0000033.D	4316765	L/39328	LCSD	1		GCSFAKNW8015-050922_	5/12/22 20:07	EB3	pass
0512F0000034.D	10607576002	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 20:18	EB3	insufficient vol to RX
0512F0000035.D	4316766	L/39328	Dupe	1		GCSFAKNW8015-050922_	5/12/22 20:30	EB3	reporting
0512F0000036.D	10607576003	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 20:41	EB3	ND but surr failing, RX
0512F0000037.D	10607576004	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 20:52	EB3	RX
0512F0000038.D	10607576005	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 21:04	EB3	ND but surr failing, RX
0512F0000039.D	10607576006	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 21:15	EB3	J-flag hit, RX
0512F0000040.D	10607576007	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 21:26	EB3	ND but surr failing, RX

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Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot:

Surrogate Lot: See extract sheet
ISTD Lot:

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0512F0000041.D	10607576008	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 21:37	EB3	ND but surr failing, RX
0512F0000042.D	10607576009	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 21:49	EB3	RX
0512F0000043.D	10607576010	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 22:00	EB3	J-flag hit, RX
0512F0000044.D	10607576011	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 22:11	EB3	ND but surr failing, RX
0512F0000045.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/12/22 22:23	EB3	Pass 15% for all ranges
0512F0000046.D	4310214	S/39318	Blank	1		GCSFAKNW8015-050922_	5/12/22 22:34	EB3	ok
0512F0000047.D	10606560001	S/39318	Sample	5		GCSFAKNW8015-050922_	5/12/22 22:45	EB3	
0512F0000048.D	10606565004	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 22:56	EB3	
0512F0000049.D	10606565005	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 23:08	EB3	
0512F0000050.D	10606565006	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 23:19	EB3	
0512F0000051.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/12/22 23:30	EB3	Pass 15% for all ranges
0512F0000052.D	PBLK,4310214	/	Sample	1		GCSFAKNW8015-050922_	5/12/22 23:42	EB3	clean

Check Maintenance Items Performed:

Changed septum	Clipped column	Changed column - Lot #
Cleaned liner	Changed trap - Lot #	Other minor parts replaced
Replaced/Cleaned gold seal	Cleaned MS Source	No maintenance performed today

Additional Comments:

File Path 1: \\V10WINTARGET\CHEM\10GCSF.I\051222F.B
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Run order verified:

Report Date: 05/18/2022 15:17
Reviewed By/Date:

SAMPLE NO.

BNSF-L320-042922-0-2

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Lab Sample ID: 10606560001 Percent Moisture: 23.4

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic	2.6		mg/kg	1	05/17/2022 15:30
7440-43-9	Cadmium	0.18		mg/kg	1	05/17/2022 15:30
7440-47-3	Chromium	12.0		mg/kg	1	05/17/2022 15:30
7440-50-8	Copper	11.9		mg/kg	1	05/17/2022 15:30
7439-92-1	Lead	8.2		mg/kg	1	05/17/2022 15:30
7440-02-0	Nickel	13.5		mg/kg	1	05/17/2022 15:30
7782-49-2	Selenium	0.22	J	mg/kg	1	05/17/2022 15:30
7440-22-4	Silver	0.40	J	mg/kg	1	05/17/2022 15:30
7440-66-6	Zinc	69.0		mg/kg	1	05/17/2022 15:30

SAMPLE NO.

BNSF-I120-042922-0-6

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Lab Sample ID: 10606560002 Percent Moisture: 35.8

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic	2.9		mg/kg	1	05/17/2022 15:34
7440-43-9	Cadmium	0.27		mg/kg	1	05/17/2022 15:34
7440-47-3	Chromium	15.6		mg/kg	1	05/17/2022 15:34
7440-50-8	Copper	12.3		mg/kg	1	05/17/2022 15:34
7439-92-1	Lead	8.3		mg/kg	1	05/17/2022 15:34
7440-02-0	Nickel	15.3		mg/kg	1	05/17/2022 15:34
7782-49-2	Selenium	0.24	J	mg/kg	1	05/17/2022 15:34
7440-22-4	Silver	ND	U	mg/kg	1	05/17/2022 15:34
7440-66-6	Zinc	90.6		mg/kg	1	05/17/2022 15:34

SAMPLE NO.

BNSF-BG20-042922-0-10

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Lab Sample ID: 10606560003 Percent Moisture: 32.6

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic	2.6		mg/kg	1	05/17/2022 15:37
7440-43-9	Cadmium	0.29		mg/kg	1	05/17/2022 15:37
7440-47-3	Chromium	15.7		mg/kg	1	05/17/2022 15:37
7440-50-8	Copper	12.7		mg/kg	1	05/17/2022 15:37
7439-92-1	Lead	5.9		mg/kg	1	05/17/2022 15:37
7440-02-0	Nickel	15.0		mg/kg	1	05/17/2022 15:37
7782-49-2	Selenium	0.31	J	mg/kg	1	05/17/2022 15:37
7440-22-4	Silver	ND	U	mg/kg	1	05/17/2022 15:37
7440-66-6	Zinc	81.6		mg/kg	1	05/17/2022 15:37

FORM II INORGANIC-1

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Initial Calibration Verification Source: 366568

Continuing Calibration Verification Source: 366568

Concentration Units: ug/L Instrument ID: 10ICM8

	Initial Calibration Verification				Continuing Calibration Verification						
	05/17/2022 10:53				05/17/2022 11:15			05/17/2022 15:16			
Analyte	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	Control Limit
Arsenic	80	79.0	98.8	90-110	80	79.3	99.1	80	78.4	98.0	90-110
Cadmium	80	81.0	101.3	90-110	80	80.9	101.2	80	79.1	98.9	90-110
Chromium	80	83.5	104.4	90-110	80	83.1	103.9	80	81.4	101.8	90-110
Copper	80	85.7	107.1	90-110	80	85.9	107.4	80	85.1	106.3	90-110
Lead	80	82.7	103.4	90-110	80	82.0	102.5	80	81.5	101.8	90-110
Nickel	80	83.9	104.9	90-110	80	83.6	104.6	80	82.9	103.7	90-110
Selenium	80	80.2	100.2	90-110	80	78.6	98.2	80	78.8	98.5	90-110
Silver	40	41.2	103.0	90-110	40	41.2	103.1	40	40.0	100.0	90-110
Zinc	80	82.3	102.9	90-110	80	82.1	102.7	80	80.5	100.6	90-110

FORM II INORGANIC-2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Initial Calibration Verification Source:

Continuing Calibration Verification Source: 366568

Concentration Units: ug/L Instrument ID: 10ICM8

	Continuing Calibration Verification						
	05/17/2022 15:48			05/17/2022 16:24			Control Limit
Analyte	True	Found	%R	True	Found	%R	
Arsenic	80	79.2	99.0	80	79.7	99.6	90-110
Cadmium	80	79.6	99.5	80	79.8	99.7	90-110
Chromium	80	83.1	103.8	80	83.3	104.1	90-110
Copper	80	86.6	108.2	80	86.8	108.5	90-110
Lead	80	83.4	104.2	80	82.1	102.6	90-110
Nickel	80	84.3	105.4	80	84.6	105.8	90-110
Selenium	80	79.3	99.1	80	79.9	99.9	90-110
Silver	40	41.0	102.5	40	41.1	102.8	90-110
Zinc	80	81.9	102.3	80	82.0	102.5	90-110

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

CRDL Check Standard Source: 366567 Analysis Date/Time: 05/17/2022 11:04

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Arsenic	0.5	0.50	99.0	80-120
Cadmium	0.08	0.086	107.5	80-120
Chromium	2.0	2.1	104.4	80-120
Copper	1.0	1.1	110.6	80-120
Lead	0.5	0.52	103.6	80-120
Nickel	0.5	0.45	89.6	80-120
Selenium	0.5	0.49	97.8	80-120
Silver	0.5	0.45	90.0	80-120
Zinc	5.0	5.1	102.6	80-120

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract : D3593500

Method Blank Matrix: Solid Instrument ID: 10ICM8

Method Blank Concentration Units: mg/kg

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Method Blank	
	05/17/2022 11:00	C	05/17/2022 11:18	C	05/17/2022 15:19	C	05/17/2022 15:52	C	4310659	C
Arsenic	0.11	U	0.11	U	0.11	U	0.11	U	ND	U
Cadmium	0.031	U	0.031	U	0.031	U	0.031	U	ND	U
Chromium	0.14	U	0.14	U	0.14	U	0.14	U	ND	U
Copper	0.24	U	0.24	U	0.24	U	0.24	U	0.26	J
Lead	0.029	U	0.029	U	0.029	U	0.029	U	ND	U
Nickel	0.20	U	0.20	U	0.20	U	0.20	U	ND	U
Selenium	0.086	U	0.086	U	0.086	U	0.086	U	ND	U
Silver	0.14	U	0.24	J	0.21	J	0.21	J	ND	U
Zinc	0.90	U	0.90	U	0.90	U	0.90	U	ND	U

FORM III INORGANIC-2

BLANKS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract : D3593500

Method Blank Matrix: Instrument ID: 10ICM8

Method Blank Concentration Units:

Analyte	Initial Calibration Blank		Continuing Calibration Blank (ug/L)					
		C	05/17/2022 16:28	C		C		C
Arsenic			0.11	U				
Cadmium			0.031	U				
Chromium			0.14	U				
Copper			0.24	U				
Lead			0.029	U				
Nickel			0.20	U				
Selenium			0.086	U				
Silver			0.20	J				
Zinc			0.90	U				

FORM IV INORGANIC-1
INTERFERENCE CHECK SAMPLE

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Instrument ID: 10ICM8 Solution A Run Date: 05/17/2022 11:07

ICS Source: 366566,366565 Solution AB Run Date: 05/17/2022 11:11

Concentration Units: ug/L

Analyte	True		Found				
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Limits
Aluminum	25000	27500	25489.273	102	27294.995	99.3	80-120
Arsenic		100	0.047		102.4	102.4	80-120
Cadmium		100	-0.025		101.509	101.5	80-120
Calcium	25000	27500	25434.813	101.7	27399.74	99.6	80-120
Chromium		100	0.239		103.907	103.9	80-120
Copper		100	0.073		103.213	103.2	80-120
Iron	25000	26250	26291.77	105.2	26648.18	101.5	80-120
Lead		100	0.014		100.193	100.2	80-120
Magnesium	25000	27500	25841.628	103.4	27542.666	100.2	80-120
Molybdenum	500	600	537.052	107.4	611.533	101.9	80-120
Nickel		100	-0.016		105.84	105.8	80-120
Potassium	25000	27500	25907.814	103.6	27745.454	100.9	80-120
Selenium		100	0.041		102.928	102.9	80-120
Silver		50	0.036		50.265	100.5	80-120
Sodium	25000	27500	26334.755	105.3	27980.91	101.7	80-120
Titanium	500	600	490.304	98.1	577.397	96.2	80-120
Zinc		100	0.145		103.246	103.2	80-120

SAMPLE NO.

4310661MS

FORM V INORGANIC-1

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Matrix: Solid Basis: Dry Parent Sample ID: BNSF-BG20-042922-0-10

Percent Moisture: 32.6

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Arsenic	mg/kg	75-125	79.1	2.6	73.4	104
Cadmium	mg/kg	75-125	77.7	0.29	73.4	105
Chromium	mg/kg	75-125	96.9	15.7	73.4	111
Copper	mg/kg	75-125	94.5	12.7	73.4	111
Lead	mg/kg	75-125	85.7	5.9	73.4	109
Nickel	mg/kg	75-125	97.6	15.0	73.4	112
Selenium	mg/kg	75-125	78.0	0.31J	73.4	106
Silver	mg/kg	75-125	40.4	ND	36.8	110
Zinc	mg/kg	75-125	154	81.6	73.4	98

SAMPLE NO.

4310662MSD

FORM V INORGANIC-2

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Matrix: Solid Basis: Dry Parent Sample ID: BNSF-BG20-042922-0-10

Percent Moisture: 32.6

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Arsenic	mg/kg	75-125	78.5	2.6	71.4	106
Cadmium	mg/kg	75-125	78.5	0.29	71.4	110
Chromium	mg/kg	75-125	96.7	15.7	71.4	113
Copper	mg/kg	75-125	93.9	12.7	71.4	114
Lead	mg/kg	75-125	84.9	5.9	71.4	111
Nickel	mg/kg	75-125	97.0	15.0	71.4	115
Selenium	mg/kg	75-125	74.4	0.31J	71.4	104
Silver	mg/kg	75-125	40.4	ND	35.6	113
Zinc	mg/kg	75-125	154	81.6	71.4	102

SAMPLE NO.

4310662MSD

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Matrix: Solid Concentration Units: mg/kg

Percent Moisture: 32.6 Basis: Dry

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Arsenic	20	79.1	78.5	1
Cadmium	20	77.7	78.5	1
Chromium	20	96.9	96.7	0
Copper	20	94.5	93.9	1
Lead	20	85.7	84.9	1
Nickel	20	97.6	97.0	1
Selenium	20	78.0	74.4	5
Silver	20	40.4	40.4	0
Zinc	20	154	154	0

SAMPLE NO.

4310660LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Matrix: Solid

Analyte	Units	True	Found	%R	Limits	
Arsenic	mg/kg	49.0	53.5	109	80	120
Cadmium	mg/kg	49.0	54.6	111	80	120
Chromium	mg/kg	49.0	57.9	118	80	120
Copper	mg/kg	49.0	59.0	120	80	120
Lead	mg/kg	49.0	56.4	115	80	120
Nickel	mg/kg	49.0	58.6	119	80	120
Selenium	mg/kg	49.0	54.9	112	80	120
Silver	mg/kg	24.5	28.3	115	80	120
Zinc	mg/kg	49.0	55.4	113	80	120

SAMPLE NO.

4312118SD

FORM VIII INORGANIC-1
SERIAL DILUTIONS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Matrix: Solid Parent Sample ID: BNSF-BG20-042922-0-10

Analyte	Units	Initial Sample Result	Serial Dilution Result	% Difference	Control Limit %D
Arsenic	ug/L	2.2U	10.9U		10
Cadmium	ug/L	0.63U	3.1U		10
Chromium	ug/L	10.6J	14.0U		10
Copper	ug/L	8.6J	24.2U		10
Lead	ug/L	4.0J	4.2J	4.5	10
Nickel	ug/L	10.1	19.9U		10
Selenium	ug/L	1.7U	8.6U		10
Silver	ug/L	2.9U	14.5U		10
Zinc	ug/L	55.0J	89.9U		10

* Indicates that the % Difference exceeds the control limit.
No difference is calculated if either result is a non-detect.

FORM IX INORGANIC-1

INSTRUMENT DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Preparation Method: None Instrument ID: 10ICM8

Concentration Units: ug/L

Analyte	PQL	IDL	IDL Date
Arsenic	0.50	0.11	04/01/2022
Cadmium	0.080	0.031	04/01/2022
Chromium	2.0	0.14	04/01/2022
Copper	1.0	0.24	04/01/2022
Lead	0.50	0.029	04/01/2022
Nickel	0.50	0.20	04/01/2022
Selenium	0.50	0.086	04/01/2022
Silver	0.50	0.14	04/01/2022
Zinc	5.0	0.90	04/01/2022

FORM IX INORGANIC-2
METHOD DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Preparation Method: EPA 3050B Instrument ID: 10ICM8

Concentration Units: mg/kg

Analyte	PQL	MDL	MDL Date
Arsenic	0.50	0.11	07/19/2021
Cadmium	0.080	0.031	07/19/2021
Chromium	2.0	0.14	07/19/2021
Copper	1.0	0.24	07/19/2021
Lead	0.50	0.029	07/19/2021
Nickel	0.50	0.20	07/19/2021
Selenium	0.50	0.086	07/19/2021
Silver	0.50	0.14	07/19/2021
Zinc	5.0	0.90	07/19/2021

FORM XI - INORGANIC-1
LINEAR DYNAMIC RANGES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract : D3593500

Instrument ID: 10ICM8 Effective Date:09/12/2021

Analyte	Concentration (ug/L)
Arsenic	450
Cadmium	450
Chromium	450
Copper	450
Lead	450
Nickel	450
Selenium	450
Silver	100
Zinc	450

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Preparation Method: EPA 3050B Batch: MPRP 124008

Lab Sample ID	Sample Name	Preparation Date	Initial Weight (g)	Final Volume (mL)
4310659	4310659	05/04/2022	1.01	50
4310660	4310660	05/04/2022	1.02	50
4310661	4310661	05/04/2022	1.01	50
4310662	4310662	05/04/2022	1.04	50
10606560001	BNSF-L320-042922-0-2	05/04/2022	1.05	50
10606560002	BNSF-I120-042922-0-6	05/04/2022	1.05	50
10606560003	BNSF-BG20-042922-0-10	05/04/2022	1	50

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Instrument ID: 10ICM8 Analysis Method: EPA 6020B

Start Date: 05/17/2022 10:22 End Date: 05/17/2022 16:28

Sample Name	Lab Sample ID	D/F	Date	Time	Ag	As	Cd	Cr	Cu	Ni	Pb	Se	Zn
30002016CAL0	30002016CAL0	1	05/17/2022	10:22	X	X	X	X	X	X	X	X	X
30002018CAL1	30002018CAL1	1	05/17/2022	10:26	X	X	X	X	X	X	X	X	X
30002019CAL2	30002019CAL2	1	05/17/2022	10:30	X	X	X	X	X	X	X	X	X
30002020CAL3	30002020CAL3	1	05/17/2022	10:34	X	X	X	X	X	X	X	X	X
30002021CAL4	30002021CAL4	1	05/17/2022	10:38	X	X	X	X	X	X	X	X	X
30002022CAL5	30002022CAL5	1	05/17/2022	10:42	X	X	X	X	X	X	X	X	X
30002023CAL6	30002023CAL6	1	05/17/2022	10:46	X	X	X	X	X	X	X	X	X
30002024CAL7	30002024CAL7	1	05/17/2022	10:49	X	X	X	X	X	X	X	X	X
30002025ICV	30002025ICV	1	05/17/2022	10:53	X	X	X	X	X	X	X	X	X
30002026ICB	30002026ICB	1	05/17/2022	11:00	X	X	X	X	X	X	X	X	X
30002027CRDL	30002027CRDL	1	05/17/2022	11:04	X	X	X	X	X	X	X	X	X
30002028ICSA	30002028ICSA	1	05/17/2022	11:07	X	X	X	X	X	X	X	X	X
30002029ICSAB	30002029ICSAB	1	05/17/2022	11:11	X	X	X	X	X	X	X	X	X
30002030CCV	30002030CCV	1	05/17/2022	11:15	X	X	X	X	X	X	X	X	X
30002032CCB	30002032CCB	1	05/17/2022	11:18	X	X	X	X	X	X	X	X	X
30002083CCV	30002083CCV	1	05/17/2022	15:16	X	X	X	X	X	X	X	X	X
30002084CCB	30002084CCB	1	05/17/2022	15:19	X	X	X	X	X	X	X	X	X
4310659BLANK	4310659	1	05/17/2022	15:23	X	X	X	X	X	X	X	X	X
4310660LCS	4310660	1	05/17/2022	15:27	X	X	X	X	X	X	X	X	X
BNSF-L320-042922-0-2	10606560001	1	05/17/2022	15:30	X	X	X	X	X	X	X	X	X
BNSF-I120-042922-0-6	10606560002	1	05/17/2022	15:34	X	X	X	X	X	X	X	X	X
BNSF-BG20-042922-0-10	10606560003	1	05/17/2022	15:37	X	X	X	X	X	X	X	X	X
4312118SD	4312118	5	05/17/2022	15:45	X	X	X	X	X	X	X	X	X
30002085CCV	30002085CCV	1	05/17/2022	15:48	X	X	X	X	X	X	X	X	X
30002094CCB	30002094CCB	1	05/17/2022	15:52	X	X	X	X	X	X	X	X	X
4310661MS	4310661	1	05/17/2022	15:55	X	X	X	X	X	X	X	X	X
4310662MSD	4310662	1	05/17/2022	15:59	X	X	X	X	X	X	X	X	X
30002105CCV	30002105CCV	1	05/17/2022	16:24	X	X	X	X	X	X	X	X	X
30002106CCB	30002106CCB	1	05/17/2022	16:28	X	X	X	X	X	X	X	X	X

US EPA 200.8/6020 Tune Check Report

Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\051722.b
Report Comment	10ICM8 PW
Instrument Name	G3281A JP13142395

[He]

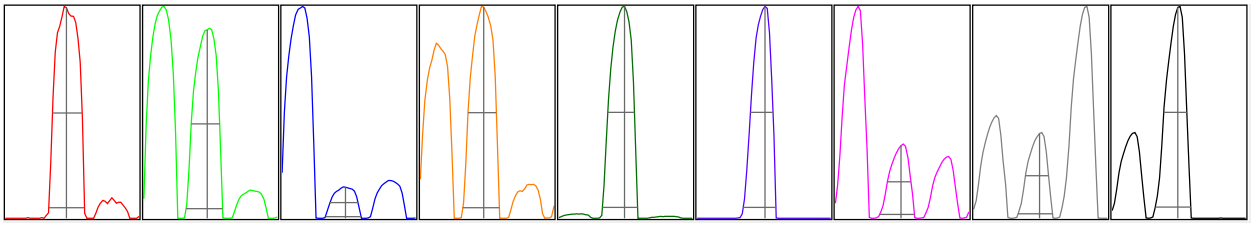
Sensitivity

Mass	Count	RSD%	RSD%(Rqd)	RSD%(Flag)
9	57	2.758	5.000	
24	1225	1.363	5.000	
25	181	1.902	5.000	
26	217	0.983	5.000	
59	12445	0.248	5.000	
115	18987	1.058	5.000	
206	8945	0.927	5.000	
207	7468	1.830	5.000	
208	18340	1.604	5.000	

Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	56	57	59	55
1241	1234	1229	1226	1197
183	181	184	183	175
215	216	217	216	220
12433	12434	12465	12406	12486
18703	18869	19076	19074	19213
8822	8949	8931	8973	9051
7248	7433	7508	7556	7593
17907	18196	18419	18523	18653

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)	W-5%	W-5% (Required)	W-5% (Flag)
9	92.00	8.90	8.90 - 9.10		0.792	0.900	
24	2056.63	23.95	23.90 - 24.10		0.809	0.900	
25	302.68	24.95	24.90 - 25.10		0.785	0.900	
26	369.19	25.95	25.90 - 26.10		0.809	0.900	
59	22252.15	59.00	58.90 - 59.10		0.779	0.900	
115	38646.67	115.05	114.90 - 115.10		0.723	0.900	
206	17708.84	206.00	205.90 - 206.10		0.770	0.900	
207	14933.25	207.00	206.90 - 207.10		0.763	0.900	
208	37220.97	208.00	207.90 - 208.10		0.786	0.900	

Integration Time [sec] 0.1 Acquisition Time [sec] 212.5 Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.70 L/min	Dilution Gas	0.35 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	5.0 V	Deflect	-1.2 V
Extract 2	-130.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-70 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V
He Flow	4.5 mL/min	OctP Bias	-18.0 V		
H2 Flow	0.0 mL/min	OctP RF	170 V		

US EPA 200.8/6020 Tune Check Report

Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\051722.b
Report Comment	10ICM8 PW
Instrument Name	G3281A JP13142395

[H2]

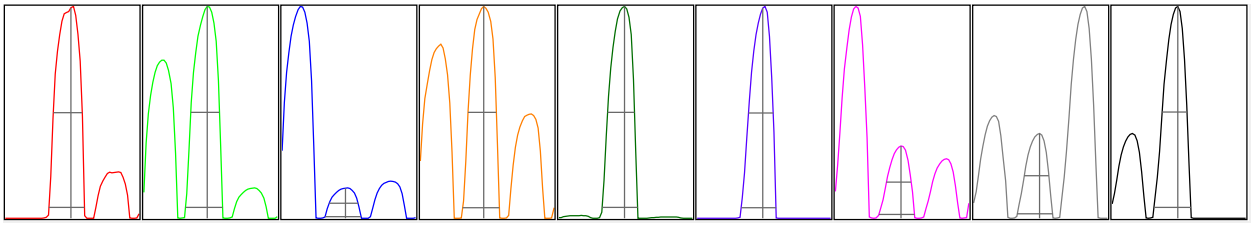
Sensitivity

Mass	Count	RSD%	RSD%(Rqd)	RSD%(Flag)
9	366	1.095	5.000	
24	7699	1.087	5.000	
25	1113	1.459	5.000	
26	1348	1.409	5.000	
59	11946	0.905	5.000	
115	36841	0.932	5.000	
206	7502	0.754	5.000	
207	6294	0.952	5.000	
208	15425	0.696	5.000	

Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
367	366	367	359	369
7791	7759	7721	7627	7598
1129	1105	1129	1112	1091
1376	1353	1340	1350	1324
11998	11763	11967	11953	12046
37048	36588	37055	36367	37148
7486	7525	7495	7426	7580
6211	6309	6357	6257	6338
15395	15357	15575	15307	15489

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)	W-5%	W-5% (Required)	W-5% (Flag)
9	602.61	9.00	8.90 - 9.10		0.785	0.900	
24	12926.13	23.95	23.90 - 24.10		0.821	0.900	
25	1839.25	24.95	24.90 - 25.10		0.792	0.900	
26	2261.66	25.95	25.90 - 26.10		0.813	0.900	
59	21087.39	59.00	58.90 - 59.10		0.784	0.900	
115	69553.97	115.00	114.90 - 115.10		0.769	0.900	
206	14148.80	206.00	205.90 - 206.10		0.787	0.900	
207	11657.23	207.00	206.90 - 207.10		0.779	0.900	
208	29172.28	208.00	207.90 - 208.10		0.815	0.900	

Integration Time [sec] 0.1 Acquisition Time [sec] 212.5 Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.70 L/min	Dilution Gas	0.35 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	5.0 V	Deflect	-2.2 V
Extract 2	-130.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-70 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	2.0 V
He Flow	0.0 mL/min	OctP Bias	-18.0 V		
H2 Flow	4.0 mL/min	OctP RF	170 V		

FORM XV INORGANIC-1

INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

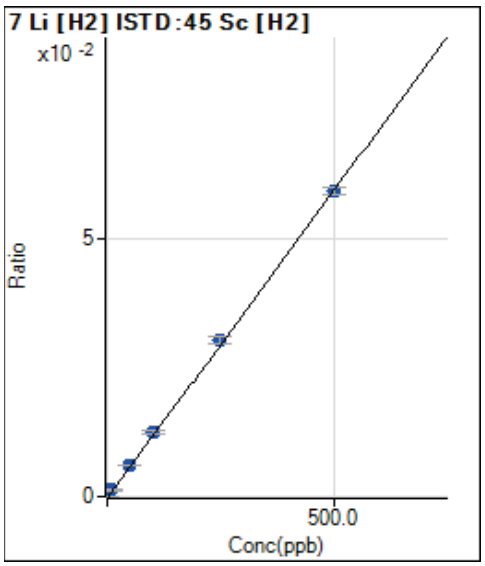
Instrument ID: 10ICM8 Start Date: 05/17/2022 10:22 End Date: 05/17/2022 16:28

Sample Name	Time	GE-72	Ge-72-IS1	In-115	Ir-193-IS	Sc-45-IS	Sc-45-IS1	Tb-159
30002016CAL0	10:22	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30002018CAL1	10:26	100.5	100.2	99.1	99.2	100.2	99.4	100.2
30002019CAL2	10:30	101.0	99.6	99.6	99.7	101.0	99.7	100.1
30002020CAL3	10:34	99.9	97.0	95.0	95.3	98.3	95.5	96.7
30002021CAL4	10:38	101.7	98.0	97.4	96.6	100.0	97.5	97.9
30002022CAL5	10:42	102.0	98.6	97.0	94.5	101.4	98.5	97.0
30002023CAL6	10:46	101.7	97.6	95.1	96.7	102.6	96.8	100.5
30002024CAL7	10:49	99.4	97.4	93.5	93.9	101.0	96.4	98.1
30002025ICV	10:53	104.0	101.1	99.9	100.3	102.4	101.3	101.4
30002026ICB	11:00	101.6	102.4	101.2	101.9	102.8	102.5	102.5
30002027CRDL	11:04	102.1	103.8	101.6	102.2	103.2	104.2	103.1
30002028ICSA	11:07	98.5	98.6	96.5	98.6	100.8	97.4	100.5
30002029ICSAB	11:11	101.8	100.5	97.2	99.3	103.4	99.9	101.5
30002030CCV	11:15	104.2	103.8	101.1	102.1	103.3	104.0	103.2
30002032CCB	11:18	103.1	105.5	103.2	104.3	104.2	105.3	104.5
30002083CCV	15:16	92.7	92.8	92.8	93.9	93.4	92.8	95.7
30002084CCB	15:19	93.3	95.1	95.9	98.5	94.8	95.2	98.2
4310659	15:23	89.9	95.1	94.1	96.7	91.8	95.4	95.9
4310660	15:27	92.6	93.7	92.5	97.0	92.5	93.4	96.6
BNSF-L320-042922-0-2	15:30	91.0	92.7	91.3	96.0	92.0	93.9	96.7
BNSF-I120-042922-0-6	15:34	93.5	95.0	94.2	98.2	94.5	95.9	98.8
BNSF-BG20-042922-0-	15:37	94.1	96.5	95.0	98.3	95.8	97.1	99.0
4312118	15:45	92.3	94.3	93.1	96.6	92.6	94.1	96.5
30002085CCV	15:48	95.2	96.0	94.3	96.2	95.4	95.8	97.3
30002094CCB	15:52	95.4	98.5	97.8	98.8	96.5	98.2	99.6
4310661	15:55	94.3	96.5	92.9	95.7	96.2	97.1	97.5
4310662	15:59	94.4	98.4	92.7	94.2	95.7	98.9	96.5
30002105CCV	16:24	97.2	97.7	96.4	98.1	97.4	96.3	99.5
30002106CCB	16:28	95.3	98.2	97.4	100.3	95.7	97.2	99.8

Calibration for 247_CCV.d

Batch Folder:	C:\Agilent\ICPMH\1\DATA\051722.b\
Analysis File:	051722.batch.bin
DA Date-Time:	5/18/2022 08:59:15
Calibration Title:	
Calibration Method:	External Calibration
VIS Interpolation Fit:	

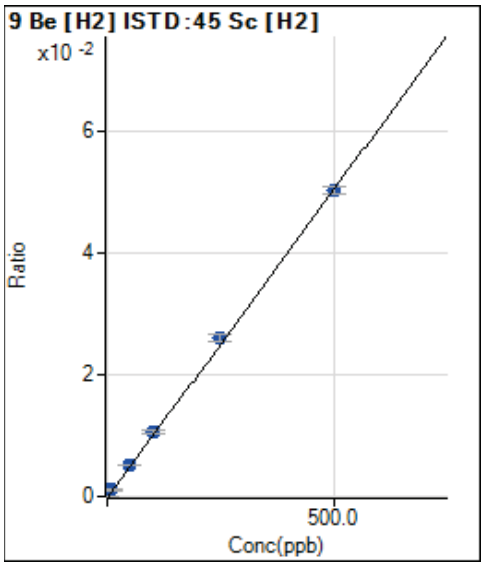
Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	CAL 0	5/17/2022 10:22:58
2	005CALS.d	CAL 1	5/17/2022 10:26:50
3	006CALS.d	CAL 2	5/17/2022 10:30:44
4	007CALS.d	CAL 3	5/17/2022 10:34:37
5	008CALS.d	CAL 4	5/17/2022 10:38:28
6	009CALS.d	CAL 5	5/17/2022 10:42:16
7	010CALS.d	CAL 6	5/17/2022 10:46:02
8	011CALS.d	CAL 7	5/17/2022 10:49:49



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	69.17	0.0000	P	22.8	
2	☐	0.500	0.510	473.34	0.0001	P	5.3	2.0
3	☐	10.000	10.517	8438.22	0.0013	P	4.3	5.2
4	☐	50.000	50.520	38592.54	0.0060	P	4.2	1.0
5	☐	100.000	104.430	81383.47	0.0124	P	4.6	4.4
6	☐	250.000	255.070	200641.93	0.0304	P	5.1	2.0
7	☐	500.000	496.517	383640.42	0.0591	P	2.1	-0.7
8	☐			248.17	0.0000	P	4.8	

y = 1.1903E-004 * x + 1.0268E-005
R = 0.9999
DL = 0.05906 ppb
BEC = 0.08627 ppb

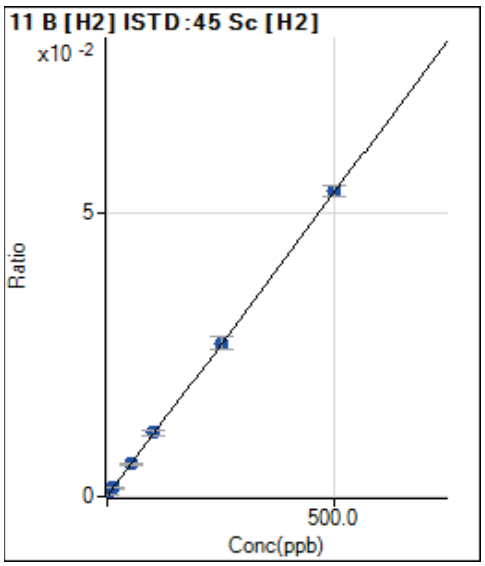
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.50	0.0000	P	33.1	
2	☐	0.200	0.203	143.50	0.0000	P	5.4	1.3
3	☐	10.000	10.644	7229.56	0.0011	P	4.4	6.4
4	☐	50.000	50.972	33163.51	0.0052	P	4.7	1.9
5	☐	100.000	105.027	69748.70	0.0107	P	4.5	5.0
6	☐	250.000	255.741	171510.96	0.0260	P	4.8	2.3
7	☐	500.000	496.014	326794.43	0.0504	P	2.1	-0.8
8	☐			62.67	0.0000	P	18.6	

y = 1.0151E-004 * x + 9.6711E-007
R = 0.9999
DL = 0.009453 ppb
BEC = 0.009527 ppb

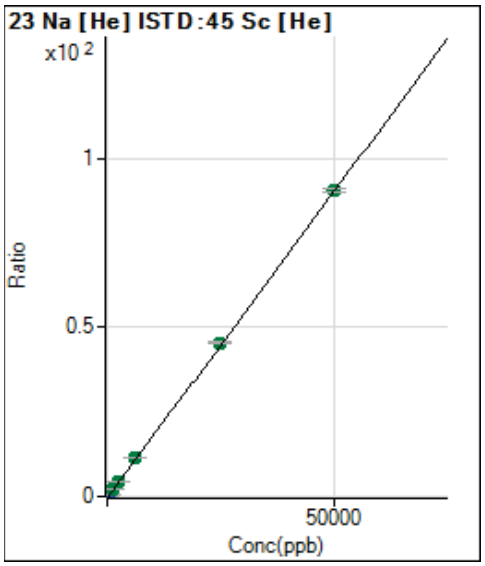
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3083.67	0.0005	P	5.1	
2	☐	10.000	9.610	9899.48	0.0015	P	5.5	-3.9
3	☐	10.000	10.680	10696.58	0.0016	P	7.5	6.8
4	☐	50.000	48.995	36426.04	0.0057	P	4.2	-2.0
5	☐	100.000	101.565	73913.60	0.0113	P	7.9	1.6
6	☐	250.000	249.172	178707.10	0.0270	P	7.6	-0.3
7	☐	500.000	500.196	349388.76	0.0538	P	3.3	0.0
8	☐			4270.56	0.0007	P	3.3	

y = 1.0665E-004 * x + 4.5964E-004
R = 1.0000
DL = 0.6569 ppb
BEC = 4.31 ppb

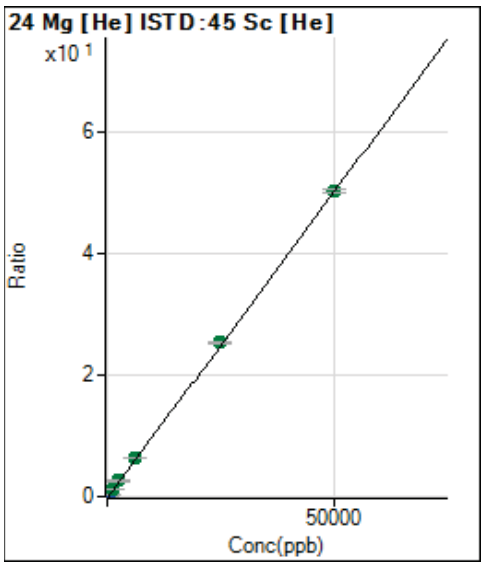
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	18053.87	0.0165	P	1.0	
2	☐	50.000	52.481	122286.07	0.1116	P	1.4	5.0
3	☐	250.000	255.511	529470.49	0.4793	P	0.7	2.2
4	☐	1250.000	1234.556	2422409.39	2.2528	A	1.5	-1.2
5	☐	2500.000	2543.817	5056242.11	4.6243	A	0.4	1.8
6	☐	6250.000	6267.854	12604726.89	11.3700	A	0.6	0.3
7	☐	25000.00	25040.95	50911537.57	45.3754	A	1.6	0.2
8	☐	50000.00	49975.45	99984215.18	90.5415	A	1.4	0.0

y = 0.0018 * x + 0.0165
R = 1.0000
DL = 0.2704 ppb
BEC = 9.114 ppb

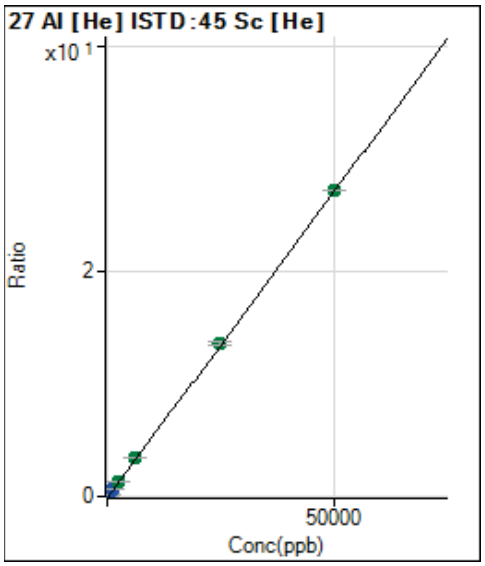
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3605.38	0.0033	P	1.1	
2	☐	30.000	32.411	39356.86	0.0359	P	0.6	8.0
3	☐	250.000	259.224	291743.64	0.2641	P	0.9	3.7
4	☐	1250.000	1235.500	1340299.09	1.2464	A	1.6	-1.2
5	☐	2500.000	2557.423	2817140.48	2.5765	A	1.1	2.3
6	☐	6250.000	6251.566	6976960.52	6.2936	A	0.4	0.0
7	☐	25000.00	25129.06	28373874.58	25.2879	A	1.1	0.5
8	☐	50000.00	49932.71	55485204.17	50.2450	A	1.8	-0.1

y = 0.0010 * x + 0.0033
R = 1.0000
DL = 0.1124 ppb
BEC = 3.276 ppb

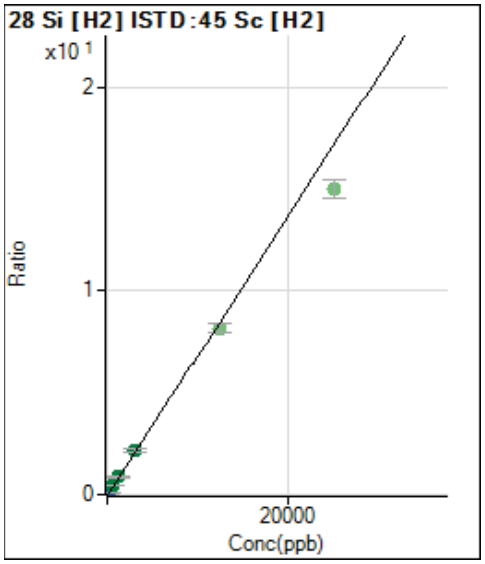
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	256.67	0.0002	P	15.7	
2	☐	30.000	31.688	19184.22	0.0175	P	1.9	5.6
3	☐	250.000	255.376	153972.29	0.1394	P	0.5	2.2
4	☐	1250.000	1242.031	728078.84	0.6771	P	0.9	-0.6
5	☐	2500.000	2531.583	1508685.62	1.3798	A	0.7	1.3
6	☐	6250.000	6204.707	3748680.67	3.3815	A	0.3	-0.7
7	☐	25000.00	25014.01	15294900.67	13.6317	A	1.4	0.1
8	☐	50000.00	49997.24	30089264.00	27.2464	A	0.5	0.0

y = 5.4495E-004 * x + 2.3467E-004
R = 1.0000
DL = 0.2033 ppb
BEC = 0.4306 ppb

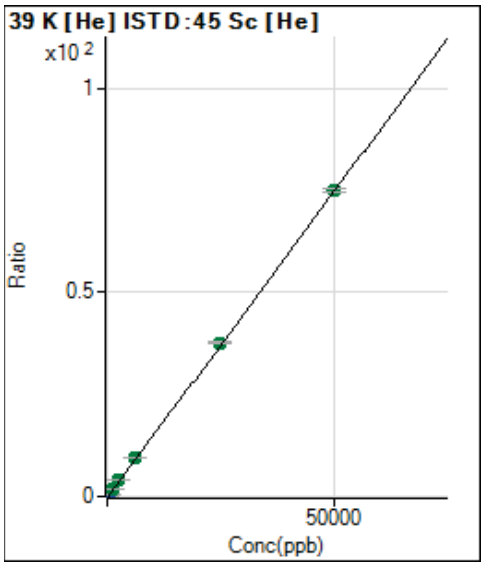
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12742.45	0.0019	P	4.1	
2	☐	100.000	104.475	493267.04	0.0739	P	7.6	4.5
3	☐	125.000	131.092	617451.94	0.0923	P	6.3	4.9
4	☐	625.000	616.412	2736828.42	0.4270	A	5.5	-1.4
5	☐	1250.000	1281.165	5794289.33	0.8854	A	6.5	2.5
6	☐	3125.000	3113.865	14208806.00	2.1492	A	8.3	-0.4
7	☑	12500.00		53092864.00	8.1686	A	5.8	
8	☑	25000.00		97008416.00	14.9922	A	6.1	

y = 6.8959E-004 * x + 0.0019
R = 0.9999
DL = 0.3349 ppb
BEC = 2.754 ppb

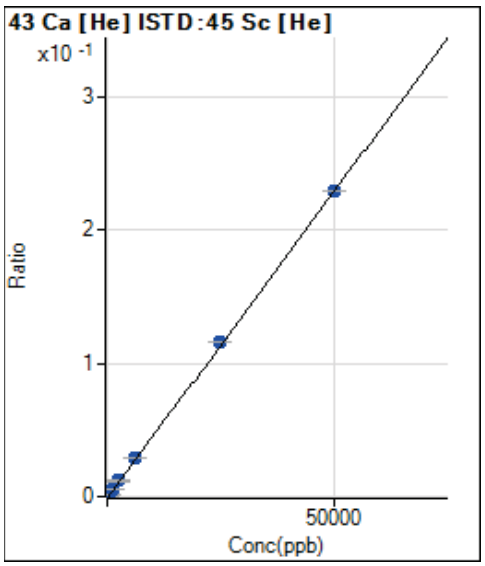
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	133774.35	0.1223	P	0.6	
2	☐	100.000	109.550	313989.21	0.2865	P	0.7	9.6
3	☐	250.000	259.843	565151.04	0.5117	P	2.0	3.9
4	☐	1250.000	1231.765	2116340.54	1.9681	A	1.0	-1.5
5	☐	2500.000	2541.860	4298345.35	3.9313	A	1.3	1.7
6	☐	6250.000	6257.129	10529996.09	9.4986	A	0.5	0.1
7	☐	25000.00	25072.46	42293527.70	37.6932	A	1.1	0.3
8	☐	50000.00	49961.17	82811398.76	74.9887	A	0.8	-0.1

y = 0.0015 * x + 0.1223
R = 1.0000
DL = 1.349 ppb
BEC = 81.63 ppb

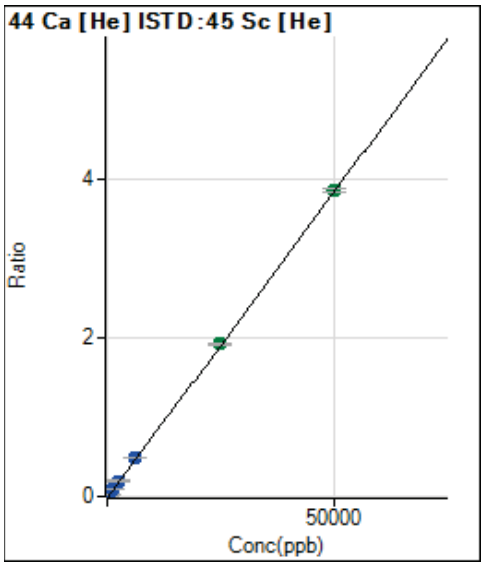
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	10.82	0.0000	P	30.1	
2	☐	100.000	105.364	542.25	0.0005	P	0.8	5.4
3	☐	250.000	248.158	1272.29	0.0012	P	0.8	-0.7
4	☐	1250.000	1237.779	6135.60	0.0057	P	0.3	-1.0
5	☐	2500.000	2563.429	12908.26	0.0118	P	1.8	2.5
6	☐	6250.000	6311.144	32206.45	0.0291	P	0.4	1.0
7	☐	25000.00	25252.85	130397.99	0.1162	P	1.0	1.0
8	☐	50000.00	49863.06	253405.06	0.2295	P	0.5	-0.3

y = 4.6017E-006 * x + 9.8930E-006
R = 1.0000
DL = 1.944 ppb
BEC = 2.15 ppb

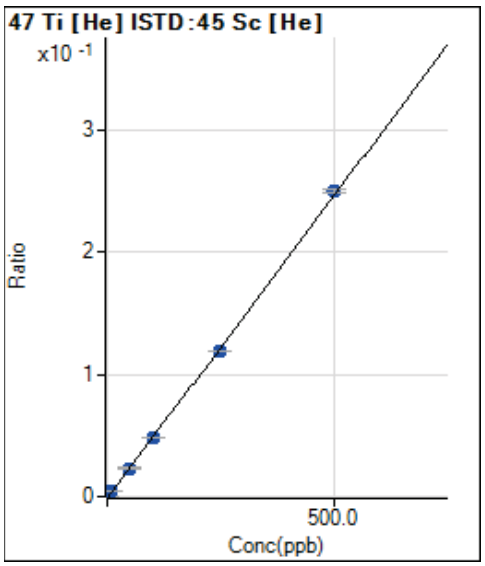
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	189.57	0.0002	P	34.5	
2	☐	100.000	103.541	8935.44	0.0082	P	0.9	3.5
3	☐	250.000	247.297	21243.89	0.0192	P	4.4	-1.1
4	☐	1250.000	1216.867	101018.53	0.0939	P	2.2	-2.7
5	☐	2500.000	2549.516	215008.82	0.1966	P	0.9	2.0
6	☐	6250.000	6304.642	538788.70	0.4860	P	2.1	0.9
7	☐	25000.00	24877.78	2151164.92	1.9173	A	1.7	-0.5
8	☐	50000.00	50052.63	4259964.84	3.8573	A	1.1	0.1

y = 7.7061E-005 * x + 1.7340E-004
R = 1.0000
DL = 2.326 ppb
BEC = 2.25 ppb

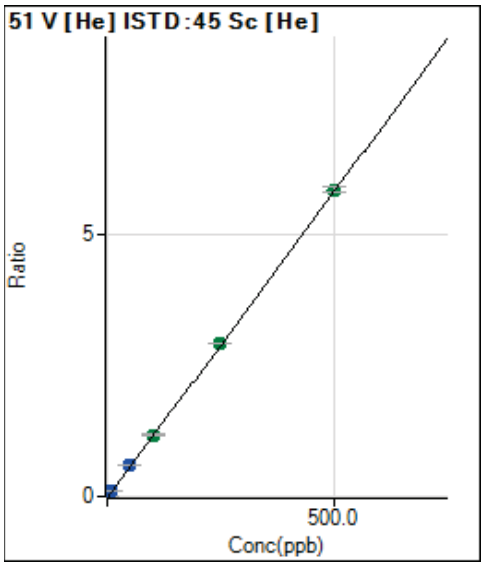
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	124.	
2	☐	1.000	0.981	534.68	0.0005	P	9.9	-1.9
3	☐	10.000	9.731	5313.45	0.0048	P	1.4	-2.7
4	☐	50.000	47.111	25030.50	0.0233	P	0.7	-5.8
5	☐	100.000	97.258	52538.64	0.0481	P	0.9	-2.7
6	☐	250.000	240.557	131748.33	0.1188	P	1.1	-3.8
7	☐	500.000	505.564	280248.62	0.2498	P	0.8	1.1
8	☐			1124.04	0.0010	P	1.5	

y = 4.9403E-004 * x + 3.0424E-006
R = 0.9997
DL = 0.02307 ppb
BEC = 0.006158 ppb

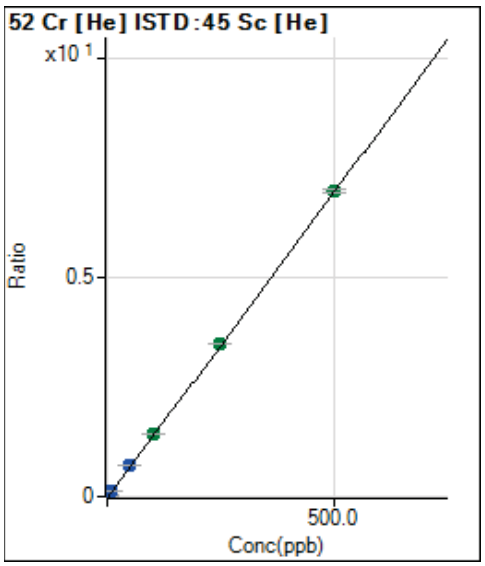
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-1823.94	-0.0017	P	-47.5	
2	☐	1.000	1.072	11902.57	0.0109	P	1.8	7.2
3	☐	10.000	10.217	130044.44	0.1177	P	2.9	2.2
4	☐	50.000	50.623	634443.47	0.5900	P	1.2	1.2
5	☐	100.000	100.862	1287103.30	1.1772	A	1.1	0.9
6	☐	250.000	249.463	3230433.53	2.9140	A	0.7	-0.2
7	☐	500.000	500.029	6555303.21	5.8426	A	1.8	0.0
8	☐			-1668.19	-0.0015	P	-70.5	

y = 0.0117 * x - 0.0017
R = 1.0000
DL = 0.2032 ppb
BEC = -0.1426 ppb

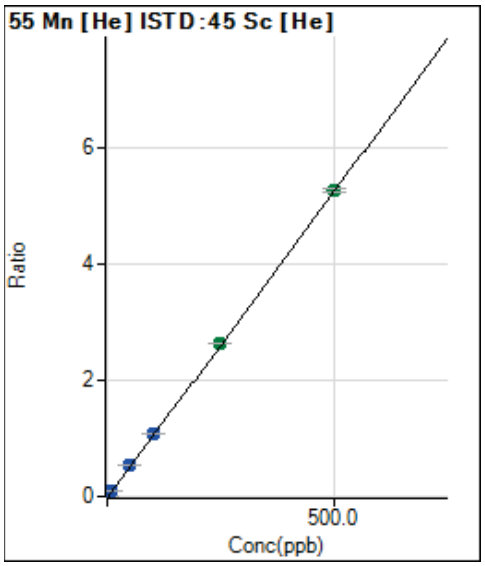
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	581.34	0.0005	P	8.0	
2	☐	2.000	2.095	32665.32	0.0298	P	0.8	4.8
3	☐	10.000	10.392	160933.08	0.1457	P	1.2	3.9
4	☐	50.000	50.866	764730.23	0.7112	P	0.9	1.7
5	☐	100.000	102.033	1559173.50	1.4260	A	0.6	2.0
6	☐	250.000	249.183	3859851.83	3.4818	A	0.4	-0.3
7	☐	500.000	499.907	7836676.50	6.9846	A	1.6	0.0
8	☐			2836.90	0.0026	P	4.3	

y = 0.0140 * x + 5.3152E-004
R = 1.0000
DL = 0.009099 ppb
BEC = 0.03805 ppb

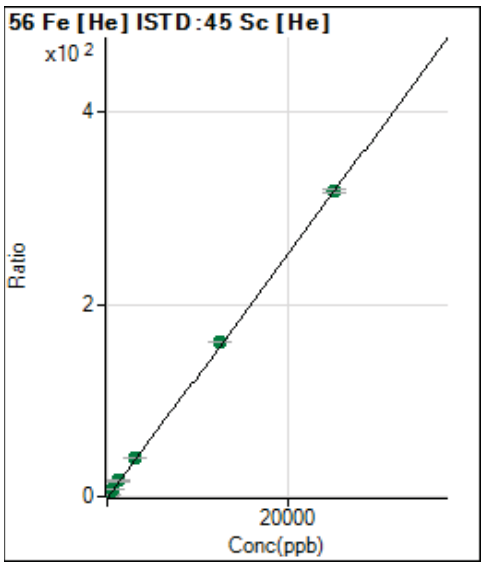
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	973.36	0.0009	P	5.3	
2	☐	0.500	0.521	6998.71	0.0064	P	2.4	4.1
3	☐	10.000	10.346	121596.97	0.1101	P	0.7	3.5
4	☐	50.000	50.615	575417.65	0.5351	P	1.4	1.2
5	☐	100.000	102.832	1187745.08	1.0863	P	0.5	2.8
6	☐	250.000	248.988	2914384.83	2.6289	A	0.4	-0.4
7	☐	500.000	499.871	5920965.67	5.2770	A	0.9	0.0
8	☐			6823.97	0.0062	P	3.7	

y = 0.0106 * x + 8.9000E-004
R = 1.0000
DL = 0.0134 ppb
BEC = 0.08432 ppb

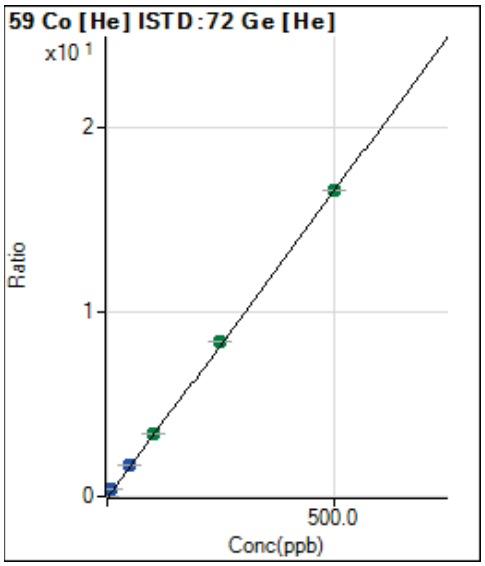
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	17801.42	0.0163	P	1.3	
2	☐	50.000	53.612	768384.04	0.7011	P	0.3	7.2
3	☐	125.000	130.191	1854594.50	1.6792	A	1.6	4.2
4	☐	625.000	626.320	8619843.00	8.0162	A	1.3	0.2
5	☐	1250.000	1277.098	17853582.00	16.3285	A	0.5	2.2
6	☐	3125.000	3157.157	44722581.33	40.3421	A	0.6	1.0
7	☐	12500.00	12637.74	181141290.6	161.436	A	0.7	1.1
8	☐	25000.00	24925.68	351593504.0	318.388	A	1.2	-0.3

y = 0.0128 * x + 0.0163
R = 1.0000
DL = 0.05113 ppb
BEC = 1.274 ppb

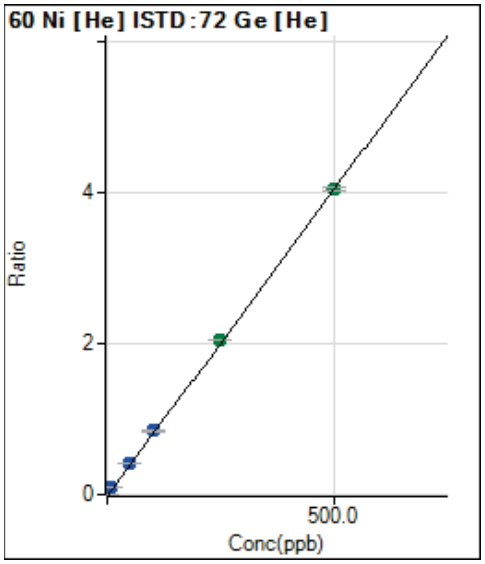
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	108.67	0.0002	P	25.8	
2	☐	0.500	0.541	12336.90	0.0181	P	1.8	8.3
3	☐	10.000	10.582	240474.63	0.3515	P	1.1	5.8
4	☐	50.000	50.521	1134397.17	1.6776	P	0.5	1.0
5	☐	100.000	102.097	2334415.08	3.3900	A	0.0	2.1
6	☐	250.000	251.464	5767475.67	8.3493	A	0.3	0.6
7	☐	500.000	498.785	11403940.00	16.5609	A	0.5	-0.2
8	☐			3653.05	0.0054	P	3.5	

y = 0.0332 * x + 1.6046E-004
R = 1.0000
DL = 0.003734 ppb
BEC = 0.004833 ppb

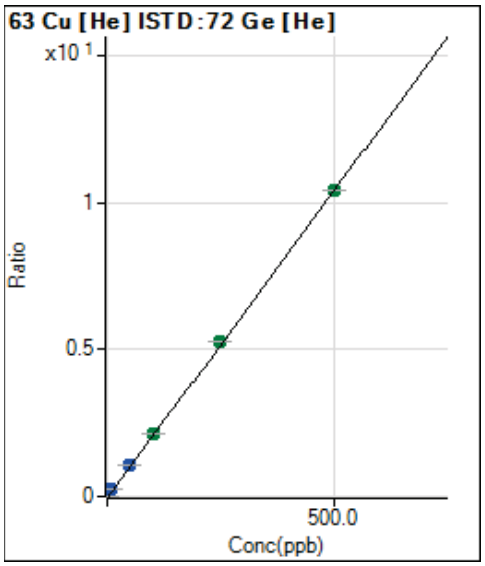
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	914.70	0.0014	P	5.0	
2	☐	0.500	0.534	3872.43	0.0057	P	1.4	6.8
3	☐	10.000	10.480	59193.90	0.0865	P	0.9	4.8
4	☐	50.000	50.943	280852.03	0.4153	P	1.3	1.9
5	☐	100.000	103.550	580399.31	0.8429	P	0.4	3.6
6	☐	250.000	251.749	1414150.92	2.0472	A	0.6	0.7
7	☐	500.000	498.312	2789511.75	4.0509	A	0.8	-0.3
8	☐			1363.39	0.0020	P	9.2	

y = 0.0081 * x + 0.0014
R = 1.0000
DL = 0.02511 ppb
BEC = 0.1662 ppb

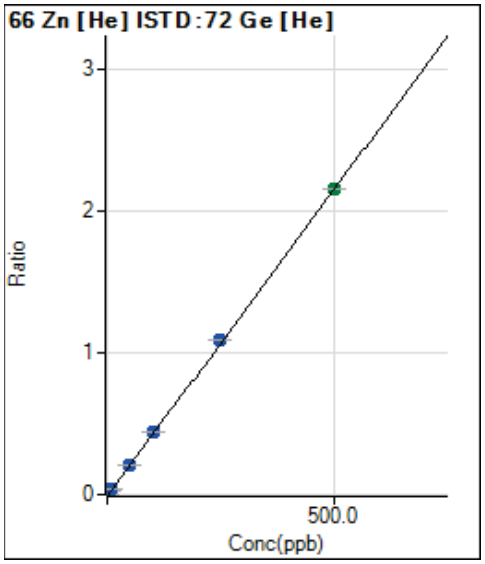
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	334.67	0.0005	P	7.2	
2	☐	1.000	1.206	17519.21	0.0258	P	1.1	20.6
3	☐	10.000	10.680	153367.66	0.2242	P	1.4	6.8
4	☐	50.000	51.411	728404.23	1.0772	P	0.7	2.8
5	☐	100.000	102.719	1481674.50	2.1517	A	0.9	2.7
6	☐	250.000	251.816	3643294.08	5.2743	A	0.8	0.7
7	☐	500.000	498.393	7187917.17	10.4384	A	0.4	-0.3
8	☐			2446.84	0.0036	P	5.3	

y = 0.0209 * x + 4.9417E-004
R = 1.0000
DL = 0.005078 ppb
BEC = 0.0236 ppb

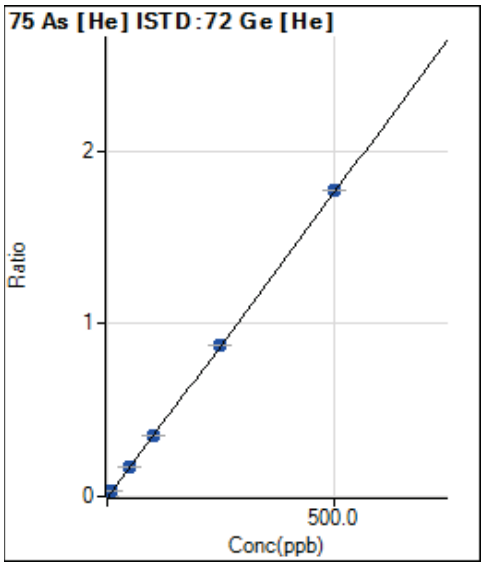
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	236.67	0.0003	P	7.0	
2	☐	5.000	5.219	15561.45	0.0229	P	3.5	4.4
3	☐	10.000	10.072	29986.32	0.0438	P	0.7	0.7
4	☐	50.000	49.295	144126.56	0.2131	P	0.3	-1.4
5	☐	100.000	102.092	303704.21	0.4410	P	0.4	2.1
6	☐	250.000	252.137	752068.50	1.0887	P	0.3	0.9
7	☐	500.000	498.580	1482278.71	2.1525	A	0.4	-0.3
8	☐			2182.81	0.0032	P	1.9	

y = 0.0043 * x + 3.4948E-004
R = 1.0000
DL = 0.01703 ppb
BEC = 0.08096 ppb

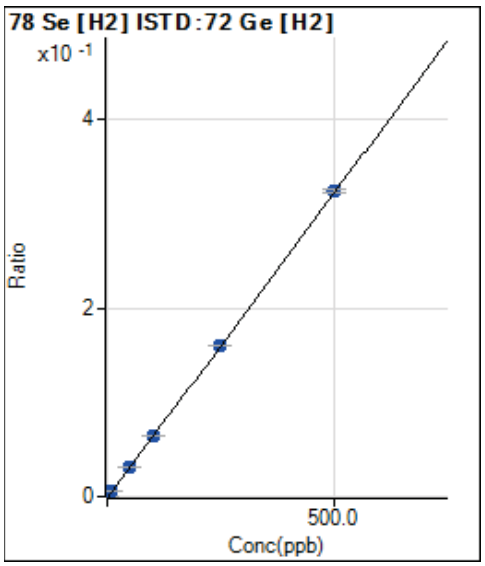
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	283.83	0.0004	P	4.0	
2	☐	0.500	0.501	1489.39	0.0022	P	2.0	0.1
3	☐	10.000	9.857	24132.41	0.0353	P	1.0	-1.4
4	☐	50.000	47.946	114921.35	0.1700	P	1.0	-4.1
5	☐	100.000	98.710	240629.35	0.3495	P	0.7	-1.3
6	☐	250.000	247.814	605576.42	0.8767	P	0.5	-0.9
7	☐	500.000	501.559	1221509.29	1.7739	P	0.5	0.3
8	☐			687.68	0.0010	P	3.6	

y = 0.0035 * x + 4.1918E-004
R = 1.0000
DL = 0.0142 ppb
BEC = 0.1185 ppb

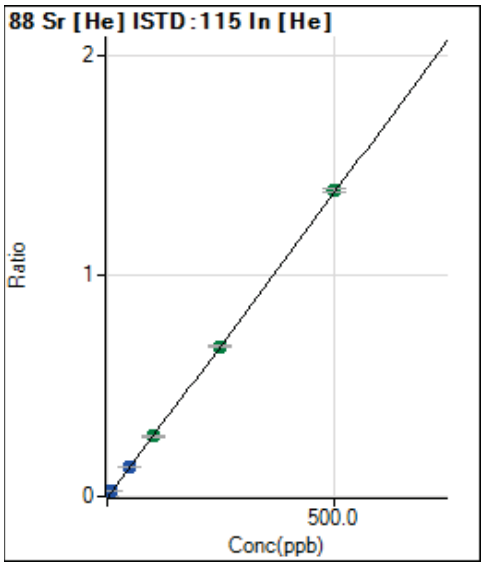
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	18.00	0.0000	P	32.6	
2	☐	0.500	0.512	620.01	0.0003	P	2.6	2.3
3	☐	10.000	10.022	11737.54	0.0065	P	1.8	0.2
4	☐	50.000	47.254	53827.05	0.0306	P	0.6	-5.5
5	☐	100.000	98.860	113735.25	0.0640	P	1.3	-1.1
6	☐	250.000	248.314	287453.95	0.1607	P	0.6	-0.7
7	☐	500.000	501.345	574500.73	0.3245	P	0.7	0.3
8	☐			124.67	0.0001	P	24.7	

y = 6.4720E-004 * x + 9.9538E-006
R = 1.0000
DL = 0.01502 ppb
BEC = 0.01538 ppb

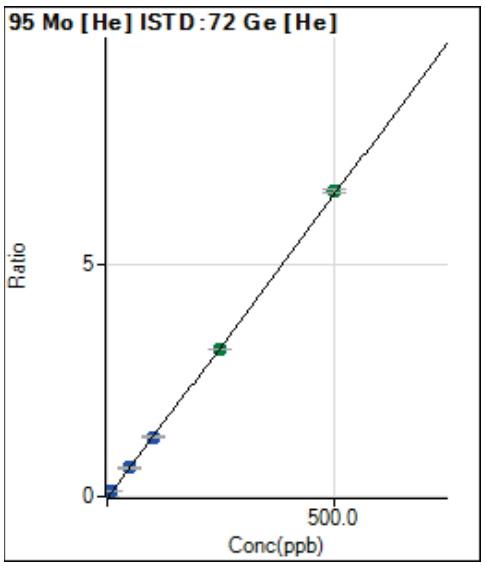
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	235.00	0.0000	P	3.9	
2	☐	0.500	0.485	9911.20	0.0014	P	3.9	-3.1
3	☐	10.000	9.756	195993.60	0.0270	P	1.8	-2.4
4	☐	50.000	48.605	931063.71	0.1344	P	1.5	-2.8
5	☐	100.000	98.579	1935049.76	0.2726	A	0.8	-1.4
6	☐	250.000	246.528	4817545.87	0.6816	A	0.9	-1.4
7	☐	500.000	502.164	9626773.81	1.3883	A	1.5	0.4
8	☐			10344.79	0.0015	P	1.3	

y = 0.0028 * x + 3.2241E-005
R = 1.0000
DL = 0.001374 ppb
BEC = 0.01166 ppb

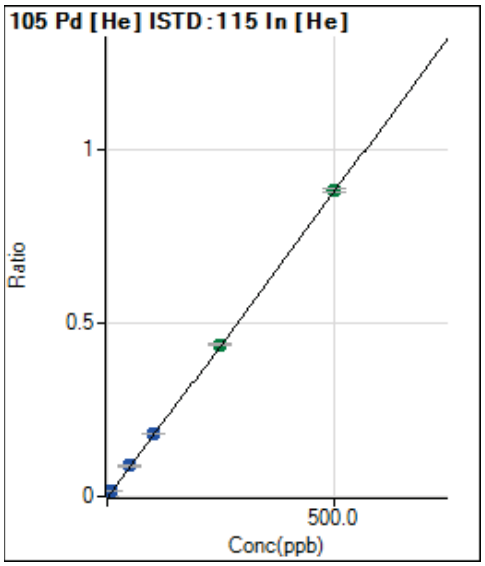
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	25.00	0.0000	P	69.6	
2	☐	0.500	0.509	4558.97	0.0067	P	2.0	1.9
3	☐	10.000	9.877	88447.64	0.1293	P	1.8	-1.2
4	☐	50.000	47.308	418642.61	0.6191	P	1.1	-5.4
5	☐	100.000	98.421	886862.23	1.2880	P	1.3	-1.6
6	☐	250.000	243.005	2196615.75	3.1800	A	0.9	-2.8
7	☐	500.000	504.085	4542281.81	6.5964	A	0.8	0.8
8	☐			1195.05	0.0018	P	6.9	

y = 0.0131 * x + 3.6963E-005
R = 0.9998
DL = 0.005894 ppb
BEC = 0.002825 ppb

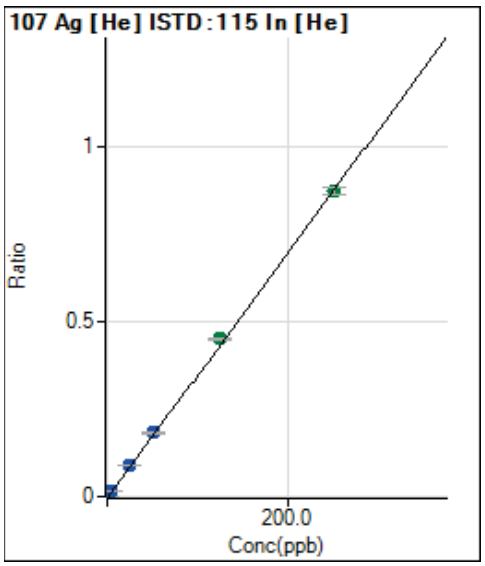
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	36.67	0.0000	P	110.	
2	☐	0.500	0.506	6491.34	0.0009	P	2.4	1.3
3	☐	10.000	10.014	128288.82	0.0177	P	1.7	0.1
4	☐	50.000	49.901	610019.48	0.0881	P	1.5	-0.2
5	☐	100.000	101.538	1272062.71	0.1792	P	1.0	1.5
6	☐	250.000	248.632	3101083.81	0.4387	A	0.9	-0.5
7	☐	500.000	500.386	6122653.03	0.8829	A	1.5	0.1
8	☐			526.68	0.0001	P	32.7	

y = 0.0018 * x + 5.0364E-006
R = 1.0000
DL = 0.009455 ppb
BEC = 0.002854 ppb

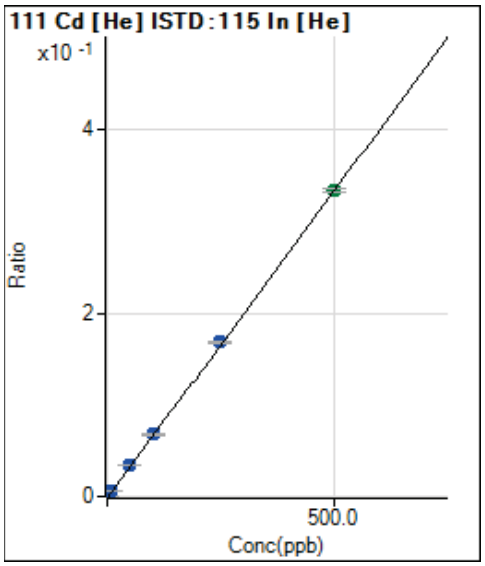
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	931.70	0.0001	P	15.5	
2	☐	0.500	0.443	12171.08	0.0017	P	2.7	-11.
3	☐	5.000	4.756	122317.34	0.0169	P	3.8	-4.9
4	☐	25.000	25.364	618855.73	0.0893	P	1.6	1.5
5	☐	50.000	51.905	1296703.03	0.1826	P	1.9	3.8
6	☐	125.000	128.114	3185273.08	0.4506	A	1.1	2.5
7	☐	250.000	248.031	6048764.49	0.8723	A	1.9	-0.8
8	☐			9179.23	0.0013	P	18.3	

y = 0.0035 * x + 1.2785E-004
R = 0.9999
DL = 0.01688 ppb
BEC = 0.03636 ppb

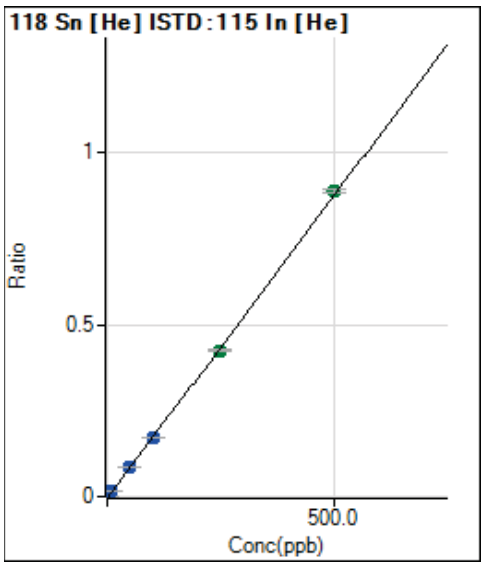
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	173.	
2	☐	0.080	0.067	326.98	0.0000	P	11.4	-16.
3	☐	10.000	9.912	48162.48	0.0066	P	1.4	-0.9
4	☐	50.000	50.018	231957.90	0.0335	P	0.9	0.0
5	☐	100.000	101.045	480226.80	0.0676	P	0.8	1.0
6	☐	250.000	251.798	1191383.73	0.1686	P	1.1	0.7
7	☐	500.000	498.892	2315881.71	0.3340	A	0.6	-0.2
8	☐			287.98	0.0000	P	4.0	

y = 6.6939E-004 * x + 4.5560E-007
R = 1.0000
DL = 0.003537 ppb
BEC = 0.0006806 ppb

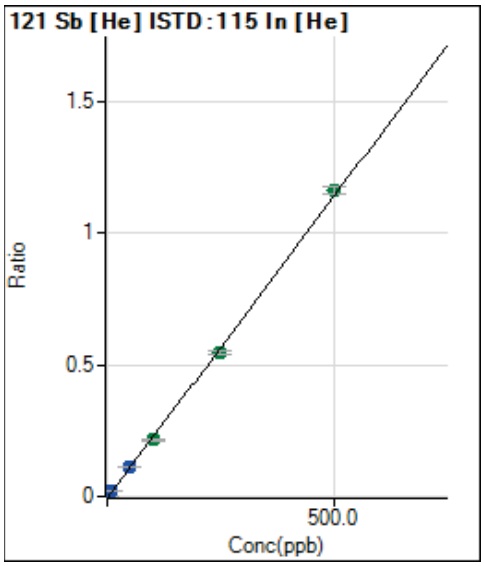
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	180.00	0.0000	P	14.7	
2	☐	0.500	0.483	6311.22	0.0009	P	7.6	-3.4
3	☐	10.000	9.433	120513.43	0.0166	P	1.4	-5.7
4	☐	50.000	48.386	589321.03	0.0851	P	0.9	-3.2
5	☐	100.000	97.347	1214860.45	0.1711	P	0.8	-2.7
6	☐	250.000	240.572	2988760.48	0.4228	A	1.2	-3.8
7	☐	500.000	505.417	6159774.28	0.8883	A	1.3	1.1
8	☐			953.37	0.0001	P	16.3	

y = 0.0018 * x + 2.4692E-005
R = 0.9997
DL = 0.006178 ppb
BEC = 0.01405 ppb

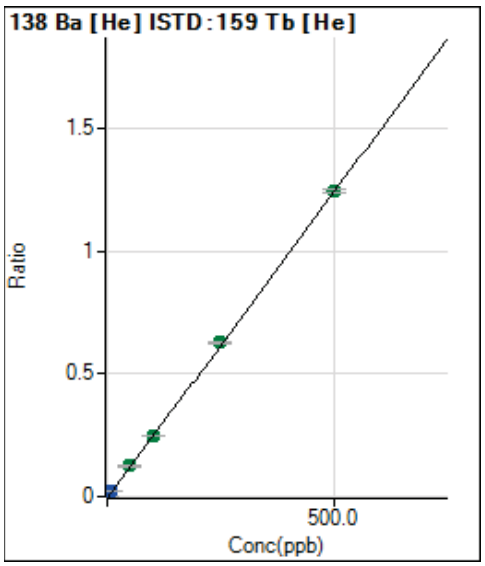
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	98.33	0.0000	P	23.8	
2	☐	0.500	0.509	8522.21	0.0012	P	2.1	1.7
3	☐	10.000	9.399	156541.45	0.0216	P	1.6	-6.0
4	☐	50.000	47.782	759158.87	0.1096	P	1.1	-4.4
5	☐	100.000	93.545	1523061.85	0.2145	A	1.5	-6.5
6	☐	250.000	238.293	3862386.82	0.5464	A	1.7	-4.7
7	☐	500.000	507.378	8067542.17	1.1635	A	2.0	1.5
8	☐			1648.44	0.0002	P	4.4	

y = 0.0023 * x + 1.3486E-005
R = 0.9995
DL = 0.004199 ppb
BEC = 0.005881 ppb

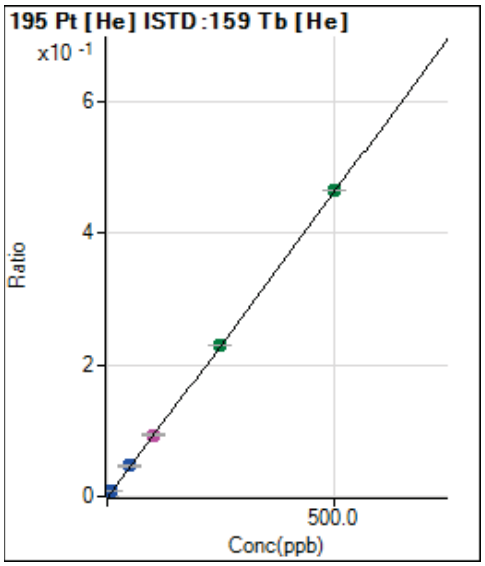
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	160.00	0.0000	P	32.9	
2	☐	0.300	0.307	12601.45	0.0008	P	3.7	2.5
3	☐	10.000	10.189	412012.06	0.0254	P	1.2	1.9
4	☐	50.000	49.629	1937877.78	0.1238	A	0.3	-0.7
5	☐	100.000	99.561	3935619.73	0.2484	A	1.5	-0.4
6	☐	250.000	251.641	9855220.48	0.6277	A	0.7	0.7
7	☐	500.000	499.301	20265918.03	1.2455	A	0.6	-0.1
8	☐			18830.59	0.0012	P	1.9	

y = 0.0025 * x + 9.8802E-006
R = 1.0000
DL = 0.003915 ppb
BEC = 0.003961 ppb

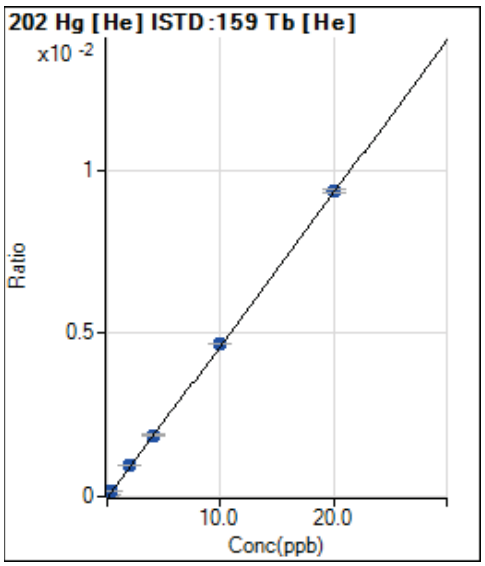
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	93.33	0.0000	P	63.1	
2	☐	0.500	0.519	7908.75	0.0005	P	7.4	3.8
3	☐	10.000	10.024	150866.67	0.0093	P	1.0	0.2
4	☐	50.000	49.997	726415.96	0.0464	P	1.5	0.0
5	☐	100.000	100.753	1482131.23	0.0935	M	1.6	0.8
6	☐	250.000	247.786	3611230.15	0.2300	A	0.4	-0.9
7	☐	500.000	500.956	7566458.64	0.4650	A	0.6	0.2
8	☐			600.03	0.0000	P	19.1	

y = 9.2823E-004 * x + 5.7692E-006
R = 1.0000
DL = 0.01176 ppb
BEC = 0.006215 ppb

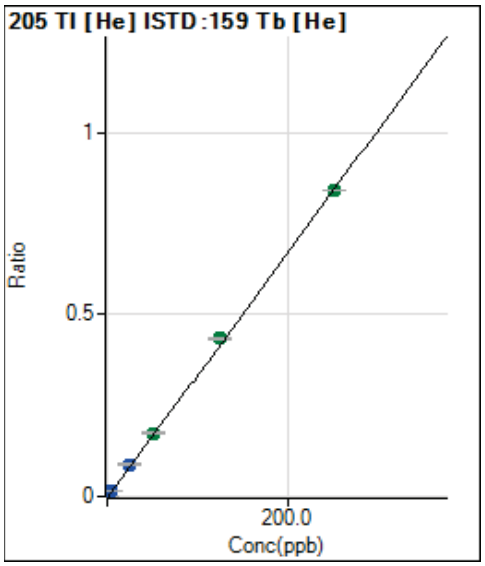
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	80.00	0.0000	P	82.1	
2	☐	0.100	0.087	740.03	0.0000	P	9.7	-13.
3	☐	0.400	0.380	2963.68	0.0002	P	3.9	-5.0
4	☐	2.000	2.023	14907.24	0.0010	P	2.3	1.2
5	☐	4.000	4.003	29778.03	0.0019	P	1.6	0.1
6	☐	10.000	9.997	73551.66	0.0047	P	1.1	0.0
7	☐	20.000	19.999	152411.88	0.0094	P	1.2	0.0
8	☐			700.03	0.0000	P	5.5	

y = 4.6812E-004 * x + 4.9398E-006
R = 1.0000
DL = 0.02599 ppb
BEC = 0.01055 ppb

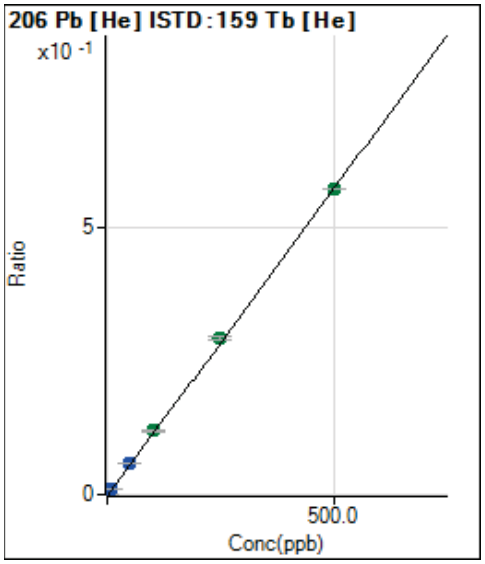
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	786.70	0.0000	P	2.8	
2	☐	0.100	0.092	5862.80	0.0004	P	4.9	-7.7
3	☐	5.000	4.981	274490.45	0.0169	P	3.7	-0.4
4	☐	25.000	26.004	1380996.34	0.0882	P	1.5	4.0
5	☐	50.000	51.113	2747569.75	0.1734	A	2.1	2.2
6	☐	125.000	128.000	6816193.85	0.4342	A	1.2	2.4
7	☐	250.000	248.177	13696413.55	0.8417	A	0.4	-0.7
8	☐			9202.89	0.0006	P	27.1	

y = 0.0034 * x + 4.8588E-005
R = 0.9999
DL = 0.001197 ppb
BEC = 0.01433 ppb

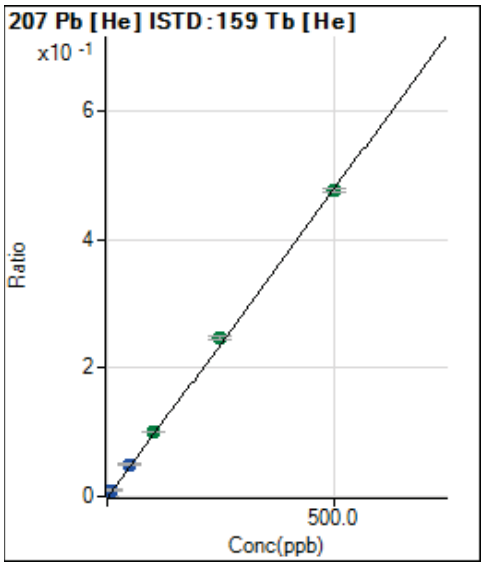
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	98.33	0.0000	P	28.1	
2	☐	0.500	0.525	9904.81	0.0006	P	2.7	4.9
3	☐	10.000	10.285	192069.00	0.0119	P	1.4	2.8
4	☐	50.000	51.368	926068.69	0.0592	P	2.2	2.7
5	☐	100.000	103.336	1886244.50	0.1190	A	2.4	3.3
6	☐	250.000	254.763	4607203.16	0.2935	A	1.8	1.9
7	☐	500.000	496.809	9311871.74	0.5723	A	0.6	-0.6
8	☐			7655.24	0.0005	P	1.0	

y = 0.0012 * x + 6.0737E-006
R = 0.9999
DL = 0.004449 ppb
BEC = 0.005273 ppb

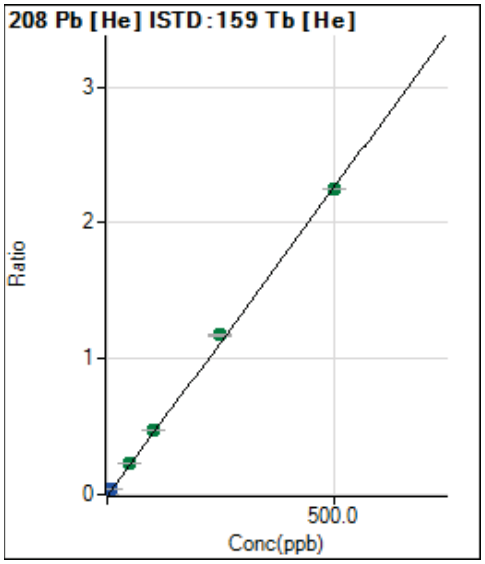
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1000.04	0.0001	P	1.7	
2	☐	0.500	0.524	9176.05	0.0006	P	6.3	4.8
3	☐	10.000	10.315	161752.20	0.0100	P	2.4	3.1
4	☐	50.000	51.600	777593.22	0.0497	P	2.4	3.2
5	☐	100.000	104.047	1586796.38	0.1001	A	1.5	4.0
6	☐	250.000	256.790	3878425.05	0.2470	A	1.6	2.7
7	☐	500.000	495.629	7757538.43	0.4767	A	1.0	-0.9
8	☐			7543.51	0.0005	P	5.5	

y = 9.6177E-004 * x + 6.1763E-005
R = 0.9998
DL = 0.003283 ppb
BEC = 0.06422 ppb

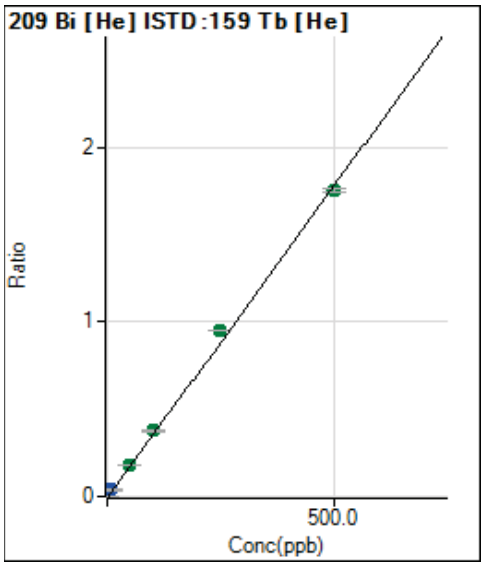
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1313.38	0.0001	P	3.7	
2	☐	0.500	0.519	39550.72	0.0024	P	3.7	3.8
3	☐	10.000	10.242	755220.11	0.0466	P	1.8	2.4
4	☐	50.000	50.543	3594652.81	0.2297	A	1.8	1.1
5	☐	100.000	103.719	7468041.56	0.4713	A	1.4	3.7
6	☐	250.000	258.304	18424418.27	1.1735	A	0.8	3.3
7	☐	500.000	495.045	36595649.46	2.2490	A	0.4	-1.0
8	☐			31301.99	0.0020	P	2.0	

y = 0.0045 * x + 8.1117E-005
R = 0.9998
DL = 0.001967 ppb
BEC = 0.01786 ppb

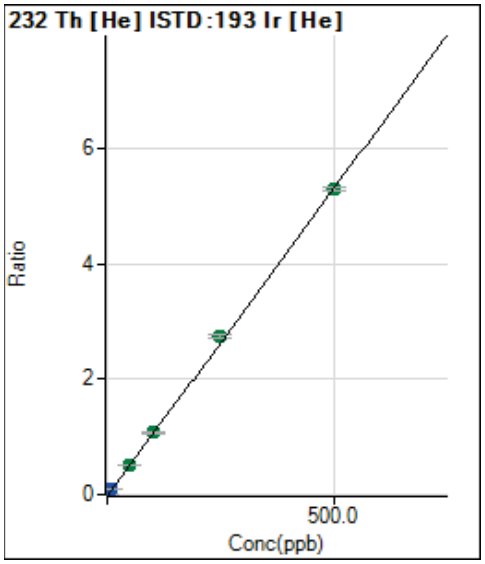
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1643.47	0.0001	P	15.3	
2	☐	0.500	0.508	31090.71	0.0019	P	3.8	1.6
3	☐	10.000	10.374	602501.62	0.0372	P	1.7	3.7
4	☐	50.000	50.611	2832747.67	0.1810	A	2.1	1.2
5	☐	100.000	105.444	5974420.33	0.3770	A	1.6	5.4
6	☐	250.000	266.602	14963948.95	0.9531	A	0.4	6.6
7	☐	500.000	490.542	28533571.24	1.7536	A	0.7	-1.9
8	☐			3307.08	0.0002	P	6.6	

y = 0.0036 * x + 1.0146E-004
R = 0.9991
DL = 0.01302 ppb
BEC = 0.02838 ppb

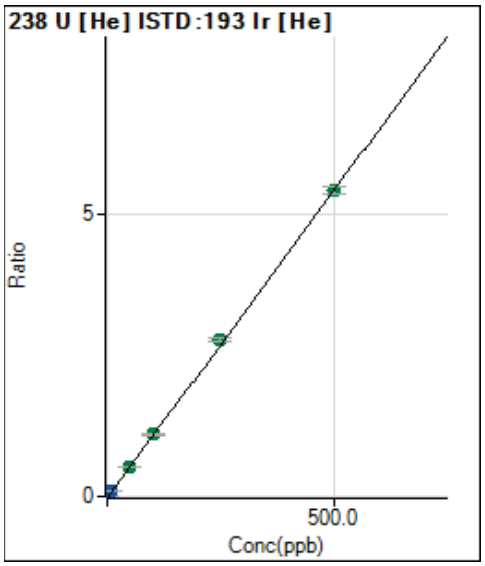
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	58.33	0.0000	P	14.1	
2	☐	0.500	0.487	40288.34	0.0052	P	1.6	-2.7
3	☐	10.000	9.717	807065.09	0.1036	P	0.9	-2.8
4	☐	50.000	47.313	3755907.76	0.5044	A	0.9	-5.4
5	☐	100.000	100.535	8091429.88	1.0718	A	0.8	0.5
6	☐	250.000	256.920	20222414.70	2.7390	A	2.5	2.8
7	☐	500.000	496.707	40026914.40	5.2953	A	1.4	-0.7
8	☐			7762.00	0.0011	P	4.1	

y = 0.0107 * x + 7.4693E-006
R = 0.9998
DL = 0.0002953 ppb
BEC = 0.0007006 ppb

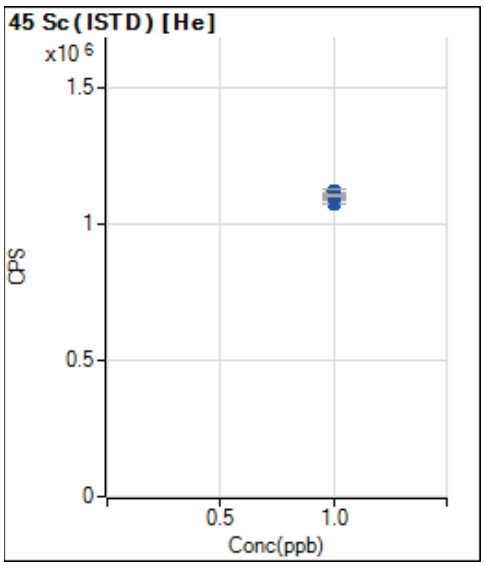
Weight: <None>
Min Conc: <None>



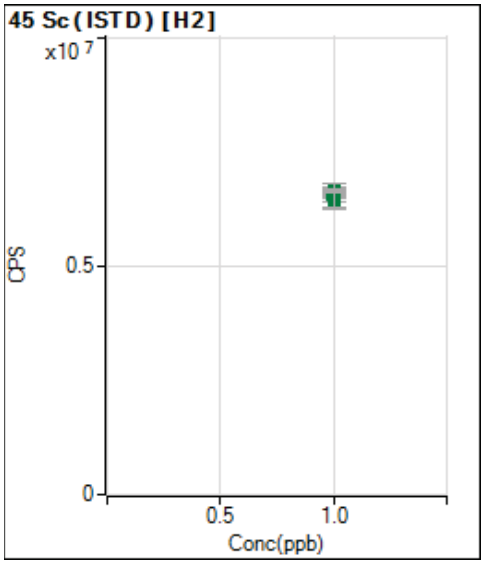
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	91.67	0.0000	P	13.4	
2	☐	0.500	0.487	41254.63	0.0053	P	2.8	-2.7
3	☐	10.000	9.864	838029.05	0.1076	P	0.8	-1.4
4	☐	50.000	48.015	3898808.28	0.5236	A	1.8	-4.0
5	☐	100.000	100.604	8282023.84	1.0970	A	0.8	0.6
6	☐	250.000	255.151	20543041.36	2.7823	A	2.1	2.1
7	☐	500.000	497.505	41001963.56	5.4250	A	2.8	-0.5
8	☐			2861.97	0.0004	P	13.7	

y = 0.0109 * x + 1.1735E-005
R = 0.9999
DL = 0.0004331 ppb
BEC = 0.001076 ppb

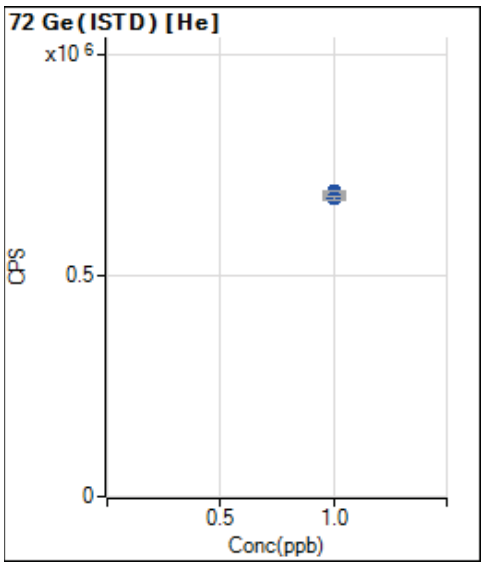
Weight: <None>
Min Conc: <None>



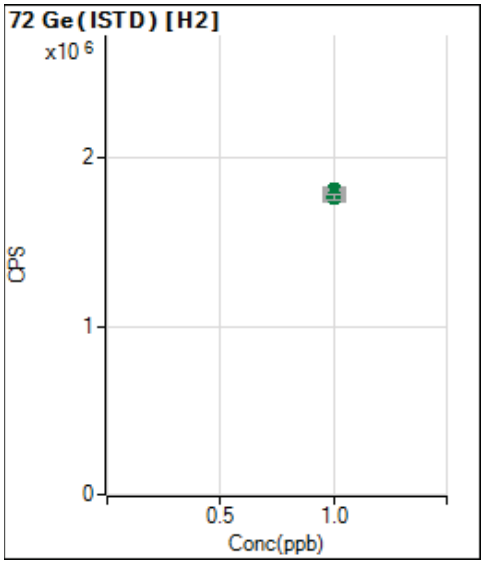
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1093627.00		P	0.3	
2	☐	1.000		1096040.42		P	0.4	
3	☐	1.000		1104547.91		P	0.8	
4	☐	1.000		1075339.50		P	0.4	
5	☐	1.000		1093406.00		P	0.4	
6	☐	1.000		1108587.12		P	0.2	
7	☐	1.000		1122091.87		P	0.8	
8	☐	1.000		1104366.92		P	0.8	



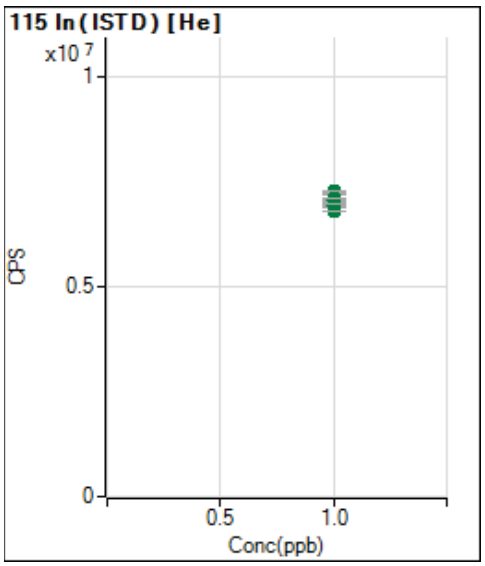
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		6702171.67		A	4.1	
2	☐	1.000		6662067.33		A	2.7	
3	☐	1.000		6678762.67		A	4.0	
4	☐	1.000		6399830.83		A	4.3	
5	☐	1.000		6535445.33		A	3.4	
6	☐	1.000		6600567.83		A	3.1	
7	☐	1.000		6485270.67		A	5.8	
8	☐	1.000		6460711.50		A	5.2	



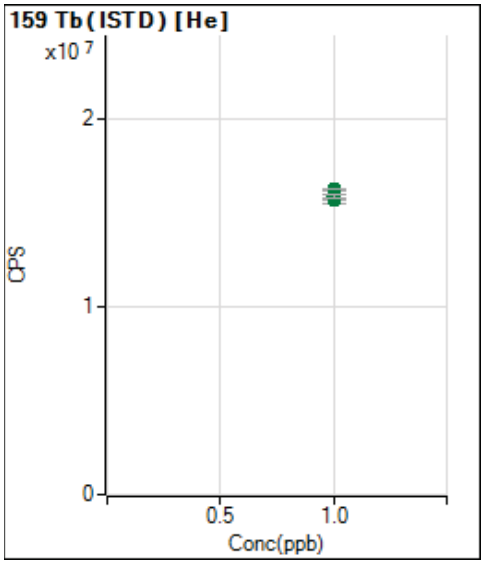
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		677141.46		P	0.3	
2	☐	1.000		680351.69		P	1.1	
3	☐	1.000		684185.54		P	1.1	
4	☐	1.000		676216.79		P	0.4	
5	☐	1.000		688616.38		P	0.7	
6	☐	1.000		690773.98		P	0.3	
7	☐	1.000		688610.67		P	0.4	
8	☐	1.000		673185.19		P	1.0	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1813853.50		A	1.9	
2	☐	1.000		1817665.00		A	0.6	
3	☐	1.000		1806887.50		A	1.2	
4	☐	1.000		1759347.17		A	1.5	
5	☐	1.000		1777489.75		A	1.6	
6	☐	1.000		1788615.96		A	1.7	
7	☐	1.000		1770659.33		A	1.8	
8	☐	1.000		1766596.75		A	1.9	

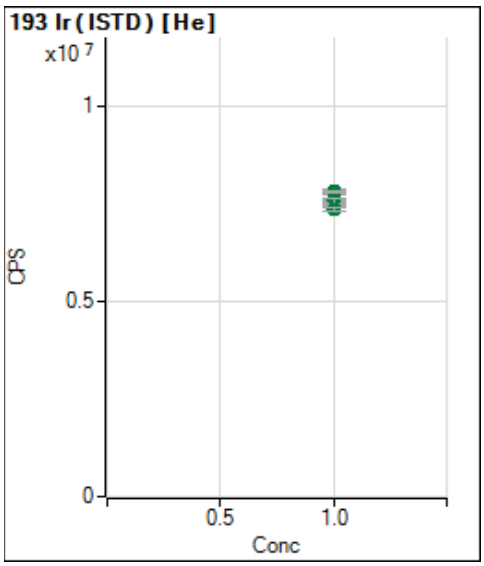


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		7289393.47		A	0.3	
2	☐	1.000		7223627.04		A	0.1	
3	☐	1.000		7258568.34		A	0.4	
4	☐	1.000		6928184.51		A	0.9	
5	☐	1.000		7099843.59		A	0.5	
6	☐	1.000		7068790.56		A	0.7	
7	☐	1.000		6935091.63		A	1.2	
8	☐	1.000		6816200.27		A	0.0	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		16192219.34		A	0.4	
2	☐	1.000		16224823.09		A	0.9	
3	☐	1.000		16205396.84		A	0.7	
4	☐	1.000		15653340.60		A	1.8	
5	☐	1.000		15849603.52		A	1.8	
6	☐	1.000		15700546.44		A	0.4	
7	☐	1.000		16271878.51		A	0.4	
8	☐	1.000		15877777.68		A	1.2	

Calibration for 247_CCV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		7817221.97		A	1.0	
2	☐	1.000		7755540.09		A	0.3	
3	☐	1.000		7789919.05		A	0.3	
4	☐	1.000		7446264.06		A	0.3	
5	☐	1.000		7549684.47		A	0.6	
6	☐	1.000		7385515.93		A	1.9	
7	☐	1.000		7559972.18		A	1.4	
8	☐	1.000		7337677.81		A	1.2	

Sample Name	System Blank EPA Tune 365220
Sample Type	CalBlk
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	001CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:10:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.001684	749.5	70.667
Be	9	2	H2	-0.003932		3.833
B	11	2	H2	0.151862	332.5	3203.670
Na	23	1	He	0.906957	24.4	20187.717
Mg	24	1	He	1.326493	22.5	5149.103
Al	27	1	He	-0.006982		256.667
Si	28	2	H2	0.306471	41.2	14225.513
K	39	1	He	-2.049279		132637.813
Ca	43	1	He	0.750957	57.7	14.863
Ca	44	1	He	0.904350	16.2	270.367
Ti	47	1	He	0.007157	56.2	7.333
V	51	1	He	-0.049972		-2504.783
Cr	52	1	He	0.003818	56.8	650.680
Mn	55	1	He	0.011854	70.2	1129.373
Fe	56	1	He	0.236948	13.4	21467.410
Co	59	1	He	0.002459	49.4	166.667
Ni	60	1	He	0.062043	19.2	1276.713
Cu	63	1	He	0.003707	60.4	393.343
Zn	66	1	He	-0.012730		202.667
As	75	1	He	-0.001560		284.667
Se	78	2	H2	0.000067	4583.5	18.000
Sr	88	1	He	0.013135	14.8	498.343
Mo	95	1	He	0.006430	32.6	83.333
Pd	105	1	He	0.007020	17.0	126.667
Ag	107	1	He	2.425486	65.7	62761.713
Cd	111	1	He	0.001019	153.1	8.310
Sn	118	1	He	0.003427	11.4	223.333
Sb	121	1	He	0.001407	169.2	121.667
Ba	138	1	He	0.001143	50.6	205.003
Pt	195	1	He	0.000692	47.7	103.333
Hg	202	1	He	-0.002131		63.333
Tl	205	1	He	0.003322	70.2	965.037
Pb	206	1	He	0.001828	97.7	131.667
Pb	207	1	He	0.006658	73.3	1098.380
Pb	208	1	He	0.003300	46.7	1548.390
Bi	209	1	He	0.005018	25.2	1923.490
Th	232	1	He	0.004076	33.7	395.010
U	238	1	He	0.000625	55.8	143.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100	1112252.333
Sc	45	2	H2	100	6733108.667
Ge	72	1	He	100	688066.833
Ge	72	2	H2	100	1800551.500
In	115	1	He	100	7270684.027
Tb	159	1	He	100	16111948.093
Ir	193	1	He	100	7738778.217

Sample Name	System Blank
Sample Type	CalBlk
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	002CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:15:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.010999	62.7	73.167
Be	9	2	H2	-0.000698		5.667
B	11	2	H2	0.158425	197.3	3010.300
Na	23	1	He	0.562612	60.3	18517.687
Mg	24	1	He	0.779815	12.8	4312.213
Al	27	1	He	-0.039947		225.000
Si	28	2	H2	0.169056	116.9	12727.167
K	39	1	He	5.192883	27.9	137461.237
Ca	43	1	He	0.165706	911.0	11.260
Ca	44	1	He	0.225508	196.1	201.467
Ti	47	1	He	0.005349	124.9	6.000
V	51	1	He	-0.005585		-1829.833
Cr	52	1	He	0.007939	46.8	678.683
Mn	55	1	He	-0.012404		802.020
Fe	56	1	He	0.020374	98.5	17473.107
Co	59	1	He	-0.000612		91.333
Ni	60	1	He	0.025969	22.1	1018.030
Cu	63	1	He	0.002282	179.8	353.337
Zn	66	1	He	-0.014139		188.000
As	75	1	He	0.004687	167.1	284.000
Se	78	2	H2	0.000734	340.1	18.000
Sr	88	1	He	0.005216	16.5	325.010
Mo	95	1	He	0.000497	179.9	28.333
Pd	105	1	He	0.002300	81.9	63.333
Ag	107	1	He	0.058456	12.7	2321.843
Cd	111	1	He	0.000034	3643.3	3.323
Sn	118	1	He	0.002156	115.5	198.333
Sb	121	1	He	0.001733	126.9	121.667
Ba	138	1	He	-0.000262		143.333
Pt	195	1	He	-0.002050		60.000
Hg	202	1	He	-0.001857		63.333
Tl	205	1	He	0.001073	121.0	811.693
Pb	206	1	He	0.000688	208.9	106.667
Pb	207	1	He	0.005878	161.7	1048.380
Pb	208	1	He	0.002200	125.9	1416.717
Bi	209	1	He	0.002807	46.1	1733.473
Th	232	1	He	0.000477	27.6	93.333
U	238	1	He	-0.000233		68.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100	1056624.500
Sc	45	2	H2	100	6307953.333
Ge	72	1	He	100	651709.583
Ge	72	2	H2	100	1723966.750
In	115	1	He	100	6964919.223
Tb	159	1	He	100	15547363.937
Ir	193	1	He	100	7434720.510

Sample Name	System Blank
Sample Type	CalBlk
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	003CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:19:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.006587	159.8	72.667
Be	9	2	H2	-0.005012		3.000
B	11	2	H2	0.088201	350.1	3083.653
Na	23	1	He	1.091991	7.4	20321.190
Mg	24	1	He	0.393321	25.1	4058.820
Al	27	1	He	0.482050	88.5	546.450
Si	28	2	H2	0.022203	683.7	12582.437
K	39	1	He	-0.297401		133971.177
Ca	43	1	He	0.894437	62.7	15.393
Ca	44	1	He	2.514203	23.6	403.490
Ti	47	1	He	0.004860	261.2	6.000
V	51	1	He	-0.036560		-2300.393
Cr	52	1	He	0.016525	129.7	838.843
Mn	55	1	He	0.030062	30.9	1327.387
Fe	56	1	He	0.098751	8.4	19279.623
Co	59	1	He	0.001413	96.0	140.000
Ni	60	1	He	0.002773	474.1	927.360
Cu	63	1	He	0.001581	130.1	356.003
Zn	66	1	He	0.029979	28.5	323.333
As	75	1	He	-0.004431		272.500
Se	78	2	H2	-0.006189		10.667
Sr	88	1	He	0.003608	101.2	303.340
Mo	95	1	He	0.001703	115.2	40.000
Pd	105	1	He	0.002160	154.0	63.333
Ag	107	1	He	0.013493	14.7	1258.390
Cd	111	1	He	0.001399	75.1	9.983
Sn	118	1	He	0.052383	8.4	838.360
Sb	121	1	He	0.002207	113.5	133.333
Ba	138	1	He	0.002888	22.6	276.670
Pt	195	1	He	0.004199	99.9	156.670
Hg	202	1	He	-0.004402		46.667
Tl	205	1	He	0.000421	375.5	810.027
Pb	206	1	He	0.000805	203.0	113.333
Pb	207	1	He	0.006708	78.8	1105.053
Pb	208	1	He	0.002213	34.5	1476.723
Bi	209	1	He	-0.000516		1613.457
Th	232	1	He	0.000308	79.2	83.333
U	238	1	He	-0.000008		90.000

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100	1099268.917
Sc	45	2	H2	100	6565504.000
Ge	72	1	He	100	675252.000
Ge	72	2	H2	100	1792626.747
In	115	1	He	100	7180002.107
Tb	159	1	He	100	16197209.760
Ir	193	1	He	100	7736391.760

Sample Name	CAL 0
Sample Type	CalBlk
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	004CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:22:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.000000	N/A	69.167
Be	9	2	H2	0.000000	N/A	6.500
B	11	2	H2	0.000000	N/A	3083.673
Na	23	1	He	0.000000	N/A	18053.867
Mg	24	1	He	0.000000	N/A	3605.380
Al	27	1	He	0.000000	N/A	256.667
Si	28	2	H2	0.000000	N/A	12742.450
K	39	1	He	0.000000	N/A	133774.347
Ca	43	1	He	0.000000	N/A	10.823
Ca	44	1	He	0.000000	N/A	189.573
Ti	47	1	He	0.000000	N/A	3.333
V	51	1	He	0.000000	N/A	-1823.937
Cr	52	1	He	0.000000	N/A	581.343
Mn	55	1	He	0.000000	N/A	973.363
Fe	56	1	He	0.000000	N/A	17801.423
Co	59	1	He	0.000000	N/A	108.667
Ni	60	1	He	0.000000	N/A	914.697
Cu	63	1	He	0.000000	N/A	334.670
Zn	66	1	He	0.000000	N/A	236.667
As	75	1	He	0.000000	N/A	283.833
Se	78	2	H2	0.000000	N/A	18.000
Sr	88	1	He	0.000000	N/A	235.000
Mo	95	1	He	0.000000	N/A	25.000
Pd	105	1	He	0.000000	N/A	36.667
Ag	107	1	He	0.000000	N/A	931.700
Cd	111	1	He	0.000000	N/A	3.330
Sn	118	1	He	0.000000	N/A	180.000
Sb	121	1	He	0.000000	N/A	98.333
Ba	138	1	He	0.000000	N/A	160.000
Pt	195	1	He	0.000000	N/A	93.333
Hg	202	1	He	0.000000	N/A	80.000
Tl	205	1	He	0.000000	N/A	786.697
Pb	206	1	He	0.000000	N/A	98.333
Pb	207	1	He	0.000000	N/A	1000.043
Pb	208	1	He	0.000000	N/A	1313.377
Bi	209	1	He	0.000000	N/A	1643.467
Th	232	1	He	0.000000	N/A	58.333
U	238	1	He	0.000000	N/A	91.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100	1093627.000
Sc	45	2	H2	100	6702171.667
Ge	72	1	He	100	677141.457
Ge	72	2	H2	100	1813853.500
In	115	1	He	100	7289393.470
Tb	159	1	He	100	16192219.343
Ir	193	1	He	100	7817221.967

Sample Name	CAL 1
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	005CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:26:50
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.510169	6.2	473.343
Be	9	2	H2	0.202564	5.7	143.500
B	11	2	H2	9.610277	7.9	9899.483
Na	23	1	He	52.481338	1.6	122286.067
Mg	24	1	He	32.410644	0.7	39356.857
Al	27	1	He	31.688001	1.9	19184.223
Si	28	2	H2	104.474585	7.8	493267.040
K	39	1	He	109.550297	1.2	313989.207
Ca	43	1	He	105.363926	0.8	542.253
Ca	44	1	He	103.541369	1.0	8935.437
Ti	47	1	He	0.981276	9.9	534.677
V	51	1	He	1.071698	1.5	11902.573
Cr	52	1	He	2.095252	0.8	32665.317
Mn	55	1	He	0.520647	2.8	6998.713
Fe	56	1	He	53.611911	0.3	768384.043
Co	59	1	He	0.541344	1.9	12336.903
Ni	60	1	He	0.534104	1.8	3872.427
Cu	63	1	He	1.206037	1.1	17519.213
Zn	66	1	He	5.218666	3.5	15561.450
As	75	1	He	0.500654	2.5	1489.393
Se	78	2	H2	0.511719	2.7	620.010
Sr	88	1	He	0.484649	4.0	9911.200
Mo	95	1	He	0.509251	2.1	4558.973
Pd	105	1	He	0.506424	2.4	6491.337
Ag	107	1	He	0.442787	2.9	12171.083
Cd	111	1	He	0.066939	11.5	326.977
Sn	118	1	He	0.483058	7.9	6311.220
Sb	121	1	He	0.508608	2.2	8522.207
Ba	138	1	He	0.307473	3.7	12601.453
Pt	195	1	He	0.519050	7.5	7908.747
Hg	202	1	He	0.086831	10.9	740.033
Tl	205	1	He	0.092251	5.7	5862.797
Pb	206	1	He	0.524718	2.7	9904.807
Pb	207	1	He	0.523992	7.1	9176.050
Pb	208	1	He	0.518851	3.9	39550.720
Bi	209	1	He	0.507819	4.0	31090.707
Th	232	1	He	0.486581	1.6	40288.337
U	238	1	He	0.486723	2.8	41254.627

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.2206803	1096040.420
Sc	45	2	H2	99.40162181	6662067.333
Ge	72	1	He	100.4740860	680351.690
Ge	72	2	H2	100.2101329	1817665.003
In	115	1	He	99.09777907	7223627.037
Tb	159	1	He	100.2013544	16224823.093
Ir	193	1	He	99.21094889	7755540.090

Sample Name	CAL 2
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	006CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:30:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	10.516838	4.4	8438.223
Be	9	2	H2	10.644153	4.4	7229.560
B	11	2	H2	10.679562	10.5	10696.580
Na	23	1	He	255.511216	0.7	529470.487
Mg	24	1	He	259.224158	0.9	291743.637
Al	27	1	He	255.375583	0.5	153972.290
Si	28	2	H2	131.091895	6.5	617451.940
K	39	1	He	259.842988	2.6	565151.037
Ca	43	1	He	248.157674	0.8	1272.293
Ca	44	1	He	247.297339	4.4	21243.890
Ti	47	1	He	9.731005	1.4	5313.453
V	51	1	He	10.217011	2.9	130044.440
Cr	52	1	He	10.391587	1.2	160933.083
Mn	55	1	He	10.346105	0.7	121596.967
Fe	56	1	He	130.191067	1.6	1854594.500
Co	59	1	He	10.581871	1.1	240474.633
Ni	60	1	He	10.480496	0.9	59193.900
Cu	63	1	He	10.680209	1.4	153367.660
Zn	66	1	He	10.072232	0.7	29986.320
As	75	1	He	9.857386	1.0	24132.410
Se	78	2	H2	10.022205	1.8	11737.543
Sr	88	1	He	9.756212	1.8	195993.597
Mo	95	1	He	9.877126	1.8	88447.643
Pd	105	1	He	10.013519	1.7	128288.820
Ag	107	1	He	4.755911	3.9	122317.343
Cd	111	1	He	9.911667	1.4	48162.480
Sn	118	1	He	9.433200	1.4	120513.430
Sb	121	1	He	9.399357	1.6	156541.453
Ba	138	1	He	10.189228	1.2	412012.063
Pt	195	1	He	10.023679	1.0	150866.670
Hg	202	1	He	0.380085	4.1	2963.680
Tl	205	1	He	4.980955	3.7	274490.447
Pb	206	1	He	10.284855	1.4	192069.000
Pb	207	1	He	10.314984	2.4	161752.200
Pb	208	1	He	10.241516	1.8	755220.113
Bi	209	1	He	10.373555	1.7	602501.620
Th	232	1	He	9.717434	0.9	807065.093
U	238	1	He	9.864431	0.8	838029.050

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.9985958	1104547.913
Sc	45	2	H2	99.65072515	6678762.667
Ge	72	1	He	101.0402681	684185.543
Ge	72	2	H2	99.61595575	1806887.500
In	115	1	He	99.57712357	7258568.343
Tb	159	1	He	100.0813816	16205396.843
Ir	193	1	He	99.65073376	7789919.050

Sample Name	CAL 3
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	007CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:34:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	50.520079	4.2	38592.537
Be	9	2	H2	50.972075	4.7	33163.510
B	11	2	H2	48.995496	4.6	36426.040
Na	23	1	He	1234.556214	1.5	2422409.393
Mg	24	1	He	1235.499649	1.6	1340299.093
Al	27	1	He	1242.031422	0.9	728078.837
Si	28	2	H2	616.412341	5.5	2736828.417
K	39	1	He	1231.765038	1.0	2116340.543
Ca	43	1	He	1237.779022	0.3	6135.600
Ca	44	1	He	1216.866698	2.2	101018.533
Ti	47	1	He	47.110516	0.7	25030.500
V	51	1	He	50.622866	1.2	634443.470
Cr	52	1	He	50.865941	0.9	764730.230
Mn	55	1	He	50.614672	1.4	575417.647
Fe	56	1	He	626.320138	1.3	8619843.000
Co	59	1	He	50.521466	0.5	1134397.167
Ni	60	1	He	50.942824	1.3	280852.030
Cu	63	1	He	51.411046	0.7	728404.230
Zn	66	1	He	49.294948	0.3	144126.563
As	75	1	He	47.946003	1.0	114921.353
Se	78	2	H2	47.254487	0.6	53827.053
Sr	88	1	He	48.604523	1.5	931063.710
Mo	95	1	He	47.308269	1.1	418642.610
Pd	105	1	He	49.900964	1.5	610019.480
Ag	107	1	He	25.364010	1.6	618855.733
Cd	111	1	He	50.018177	0.9	231957.897
Sn	118	1	He	48.386062	0.9	589321.033
Sb	121	1	He	47.782343	1.1	759158.867
Ba	138	1	He	49.629019	0.3	1937877.783
Pt	195	1	He	49.996756	1.5	726415.957
Hg	202	1	He	2.023306	2.3	14907.240
Tl	205	1	He	26.004053	1.5	1380996.337
Pb	206	1	He	51.368331	2.2	926068.687
Pb	207	1	He	51.600007	2.4	777593.217
Pb	208	1	He	50.543081	1.8	3594652.810
Bi	209	1	He	50.610903	2.1	2832747.667
Th	232	1	He	47.313112	0.9	3755907.757
U	238	1	He	48.015094	1.8	3898808.277

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	98.32781195	1075339.500
Sc	45	2	H2	95.48891242	6399830.833
Ge	72	1	He	99.86344556	676216.790
Ge	72	2	H2	96.99499803	1759347.167
In	115	1	He	95.04473234	6928184.513
Tb	159	1	He	96.67198960	15653340.600
Ir	193	1	He	95.25460692	7446264.057

Sample Name	CAL 4
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	008CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:38:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	104.429732	4.6	81383.470
Be	9	2	H2	105.027184	4.5	69748.700
B	11	2	H2	101.564918	8.2	73913.597
Na	23	1	He	2543.817389	0.4	5056242.110
Mg	24	1	He	2557.422805	1.1	2817140.477
Al	27	1	He	2531.582630	0.7	1508685.623
Si	28	2	H2	1281.165033	6.5	5794289.333
K	39	1	He	2541.859848	1.3	4298345.353
Ca	43	1	He	2563.429470	1.8	12908.263
Ca	44	1	He	2549.516458	0.9	215008.817
Ti	47	1	He	97.258389	0.9	52538.637
V	51	1	He	100.861507	1.1	1287103.300
Cr	52	1	He	102.032909	0.6	1559173.500
Mn	55	1	He	102.832095	0.5	1187745.083
Fe	56	1	He	1277.098105	0.5	17853582.000
Co	59	1	He	102.097350	0.0	2334415.083
Ni	60	1	He	103.550361	0.4	580399.310
Cu	63	1	He	102.718533	0.9	1481674.503
Zn	66	1	He	102.091591	0.4	303704.207
As	75	1	He	98.710076	0.7	240629.347
Se	78	2	H2	98.859667	1.3	113735.250
Sr	88	1	He	98.579152	0.8	1935049.763
Mo	95	1	He	98.420662	1.3	886862.227
Pd	105	1	He	101.537985	1.0	1272062.713
Ag	107	1	He	51.904865	1.9	1296703.027
Cd	111	1	He	101.044925	0.8	480226.800
Sn	118	1	He	97.346916	0.8	1214860.447
Sb	121	1	He	93.544700	1.5	1523061.853
Ba	138	1	He	99.560924	1.5	3935619.730
Pt	195	1	He	100.752779	1.6	1482131.227
Hg	202	1	He	4.002670	1.6	29778.027
Tl	205	1	He	51.113131	2.1	2747569.750
Pb	206	1	He	103.336300	2.4	1886244.503
Pb	207	1	He	104.046783	1.5	1586796.383
Pb	208	1	He	103.718729	1.4	7468041.557
Bi	209	1	He	105.444108	1.6	5974420.330
Th	232	1	He	100.535199	0.8	8091429.880
U	238	1	He	100.603868	0.8	8282023.837

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.97979201	1093406.000
Sc	45	2	H2	97.51235358	6535445.333
Ge	72	1	He	101.6946119	688616.377
Ge	72	2	H2	97.99522103	1777489.747
In	115	1	He	97.39964807	7099843.587
Tb	159	1	He	97.88407123	15849603.517
Ir	193	1	He	96.57758858	7549684.470

Sample Name	CAL 5
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	009CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:42:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	255.069899	5.1	200641.927
Be	9	2	H2	255.740584	4.8	171510.963
B	11	2	H2	249.171541	7.7	178707.103
Na	23	1	He	6267.854195	0.6	12604726.893
Mg	24	1	He	6251.565613	0.4	6976960.523
Al	27	1	He	6204.707037	0.3	3748680.667
Si	28	2	H2	3113.864656	8.3	14208806.000
K	39	1	He	6257.128550	0.5	10529996.090
Ca	43	1	He	6311.143530	0.4	32206.450
Ca	44	1	He	6304.641600	2.1	538788.700
Ti	47	1	He	240.557094	1.1	131748.330
V	51	1	He	249.463248	0.7	3230433.527
Cr	52	1	He	249.183500	0.4	3859851.833
Mn	55	1	He	248.988469	0.4	2914384.833
Fe	56	1	He	3157.156525	0.6	44722581.333
Co	59	1	He	251.463770	0.3	5767475.667
Ni	60	1	He	251.748935	0.6	1414150.917
Cu	63	1	He	251.816058	0.8	3643294.083
Zn	66	1	He	252.137227	0.3	752068.500
As	75	1	He	247.813926	0.5	605576.417
Se	78	2	H2	248.314279	0.6	287453.947
Sr	88	1	He	246.528304	0.9	4817545.867
Mo	95	1	He	243.004916	0.9	2196615.750
Pd	105	1	He	248.631872	0.9	3101083.807
Ag	107	1	He	128.114078	1.1	3185273.080
Cd	111	1	He	251.797691	1.1	1191383.733
Sn	118	1	He	240.572470	1.2	2988760.477
Sb	121	1	He	238.292825	1.7	3862386.820
Ba	138	1	He	251.640636	0.7	9855220.477
Pt	195	1	He	247.785833	0.4	3611230.153
Hg	202	1	He	9.996915	1.1	73551.663
Tl	205	1	He	127.999966	1.2	6816193.853
Pb	206	1	He	254.762777	1.8	4607203.160
Pb	207	1	He	256.790078	1.6	3878425.047
Pb	208	1	He	258.304274	0.8	18424418.267
Bi	209	1	He	266.602135	0.4	14963948.947
Th	232	1	He	256.919827	2.5	20222414.700
U	238	1	He	255.150605	2.1	20543041.360

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.3679365	1108587.123
Sc	45	2	H2	98.48401625	6600567.833
Ge	72	1	He	102.0132464	690773.983
Ge	72	2	H2	98.60862302	1788615.960
In	115	1	He	96.97364523	7068790.563
Tb	159	1	He	96.96352367	15700546.437
Ir	193	1	He	94.47750063	7385515.933

Sample Name	CAL 6
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	010CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:46:02
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	496.516749	2.1	383640.423
Be	9	2	H2	496.014180	2.1	326794.427
B	11	2	H2	500.195900	3.4	349388.760
Na	23	1	He	25040.95008	1.6	50911537.573
Mg	24	1	He	25129.06032	1.1	28373874.580
Al	27	1	He	25014.01501	1.4	15294900.667
Si	28	2	H2	11842.89984	5.8	53092864.000
K	39	1	He	25072.45980	1.1	42293527.700
Ca	43	1	He	25252.85363	1.0	130397.990
Ca	44	1	He	24877.78453	1.7	2151164.917
Ti	47	1	He	505.564141	0.8	280248.617
V	51	1	He	500.029304	1.8	6555303.213
Cr	52	1	He	499.906861	1.6	7836676.500
Mn	55	1	He	499.870937	0.9	5920965.667
Fe	56	1	He	12637.74649	0.7	181141290.667
Co	59	1	He	498.784820	0.5	11403940.000
Ni	60	1	He	498.311534	0.8	2789511.750
Cu	63	1	He	498.393143	0.4	7187917.167
Zn	66	1	He	498.579942	0.4	1482278.710
As	75	1	He	501.559273	0.5	1221509.290
Se	78	2	H2	501.345022	0.7	574500.730
Sr	88	1	He	502.164456	1.5	9626773.813
Mo	95	1	He	504.085031	0.8	4542281.807
Pd	105	1	He	500.386094	1.5	6122653.033
Ag	107	1	He	248.030583	1.9	6048764.493
Cd	111	1	He	498.892121	0.6	2315881.707
Sn	118	1	He	505.417128	1.3	6159774.283
Sb	121	1	He	507.378417	2.0	8067542.173
Ba	138	1	He	499.300806	0.6	20265918.033
Pt	195	1	He	500.956359	0.6	7566458.637
Hg	202	1	He	19.999142	1.2	152411.880
Tl	205	1	He	248.177370	0.4	13696413.550
Pb	206	1	He	496.808797	0.6	9311871.737
Pb	207	1	He	495.629280	1.0	7757538.427
Pb	208	1	He	495.044960	0.4	36595649.457
Bi	209	1	He	490.541541	0.7	28533571.240
Th	232	1	He	496.707400	1.4	40026914.403
U	238	1	He	497.505139	2.8	41001963.557

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.6027954	1122091.873
Sc	45	2	H2	96.76372061	6485270.667
Ge	72	1	He	101.6937686	688610.667
Ge	72	2	H2	97.61865185	1770659.333
In	115	1	He	95.13948805	6935091.630
Tb	159	1	He	100.4919595	16271878.510
Ir	193	1	He	96.70919173	7559972.180

Sample Name	CAL 7
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	011CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:49:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.236603	6.5	248.167
Be	9	2	H2	0.085534	20.7	62.667
B	11	2	H2	1.885406	10.8	4270.563
Na	23	1	He	49975.45837	1.4	99984215.177
Mg	24	1	He	49932.71793	1.8	55485204.170
Al	27	1	He	49997.24630	0.5	30089264.000
Si	28	2	H2	21738.13736	6.1	97008416.000
K	39	1	He	49961.17359	0.8	82811398.763
Ca	43	1	He	49863.06277	0.5	253405.057
Ca	44	1	He	50052.63647	1.1	4259964.837
Ti	47	1	He	2.054192	1.5	1124.040
V	51	1	He	0.013823	656.6	-1668.190
Cr	52	1	He	0.145867	5.4	2836.900
Mn	55	1	He	0.501203	4.3	6823.970
Fe	56	1	He	24925.68609	1.2	351593504.000
Co	59	1	He	0.158644	3.6	3653.050
Ni	60	1	He	0.083110	27.6	1363.390
Cu	63	1	He	0.149996	6.1	2446.843
Zn	66	1	He	0.670116	2.2	2182.810
As	75	1	He	0.170416	6.1	687.677
Se	78	2	H2	0.093600	28.8	124.667
Sr	88	1	He	0.537331	1.4	10344.790
Mo	95	1	He	0.132898	7.1	1195.053
Pd	105	1	He	0.040935	34.9	526.680
Ag	107	1	He	0.346599	20.2	9179.230
Cd	111	1	He	0.062436	4.1	287.980
Sn	118	1	He	0.065533	19.8	953.370
Sb	121	1	He	0.099584	4.7	1648.437
Ba	138	1	He	0.471555	1.9	18830.587
Pt	195	1	He	0.034557	22.5	600.027
Hg	202	1	He	0.083625	6.2	700.030
Tl	205	1	He	0.156280	29.6	9202.887
Pb	206	1	He	0.413296	1.0	7655.243
Pb	207	1	He	0.429957	6.4	7543.513
Pb	208	1	He	0.416161	2.1	31301.990
Bi	209	1	He	0.029871	12.9	3307.080
Th	232	1	He	0.098508	4.2	7762.000
U	238	1	He	0.034692	14.1	2861.967

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.9820456	1104366.917
Sc	45	2	H2	96.39728466	6460711.500
Ge	72	1	He	99.41573950	673185.187
Ge	72	2	H2	97.39467658	1766596.750
In	115	1	He	93.50846950	6816200.270
Tb	159	1	He	98.05806939	15877777.680
Ir	193	1	He	93.86554249	7337677.807

Sample Name	ICV
Sample Type	ICV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	012_ICV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:53:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	84.602432	5.4	68494.783
Be	9	2	H2	85.386676	4.8	58902.297
B	11	2	H2	84.395635	4.3	64287.640
Na	23	1	He	2055.950750	0.6	4190870.560
Mg	24	1	He	2067.957641	1.3	2334831.733
Al	27	1	He	2060.124696	0.9	1258061.417
Si	28	2	H2	1059.077275	4.7	4976184.667
K	39	1	He	2033.360974	0.9	3550714.840
Ca	43	1	He	2054.272087	1.4	10601.780
Ca	44	1	He	2029.597065	0.8	175420.973
Ti	47	1	He	78.479958	1.3	43440.197
V	51	1	He	83.565747	0.2	1092419.987
Cr	52	1	He	83.507170	0.9	1307708.500
Mn	55	1	He	84.767634	1.0	1003403.147
Fe	56	1	He	1044.736802	0.9	14968518.667
Co	59	1	He	81.747481	0.7	1912187.417
Ni	60	1	He	83.929785	0.3	481459.803
Cu	63	1	He	85.718930	0.3	1265082.250
Zn	66	1	He	82.324082	0.4	250594.187
As	75	1	He	79.039959	0.5	197184.657
Se	78	2	H2	80.154135	2.0	95108.777
Sr	88	1	He	77.582713	0.1	1562565.913
Mo	95	1	He	80.092631	1.1	738346.943
Pd	105	1	He	82.000035	0.9	1053997.510
Ag	107	1	He	41.198087	3.9	1056127.147
Cd	111	1	He	81.022550	0.7	395073.063
Sn	118	1	He	80.138164	1.7	1026099.253
Sb	121	1	He	77.798567	1.4	1299581.440
Ba	138	1	He	80.725682	1.5	3304777.557
Pt	195	1	He	82.223492	1.1	1252731.620
Hg	202	1	He	3.785861	0.1	29167.020
Tl	205	1	He	39.805629	0.3	2216375.280
Pb	206	1	He	80.777655	1.2	1527106.750
Pb	207	1	He	87.152466	0.9	1376679.510
Pb	208	1	He	82.743597	0.7	6170369.650
Bi	209	1	He	84.769681	1.4	4974519.820
Th	232	1	He	79.739731	1.2	6667158.443
U	238	1	He	77.220550	1.2	6604243.650

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.4479933	1120398.917
Sc	45	2	H2	101.3364474	6791742.667
Ge	72	1	He	104.0395828	704495.147
Ge	72	2	H2	101.0806411	1833454.747
In	115	1	He	99.93216568	7284448.760
Tb	159	1	He	101.3577148	16412063.507
Ir	193	1	He	100.3411058	7843886.967

Sample Name	ICB
Sample Type	ICB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	013_ICB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:57:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.109994	3.6	160.333
Be	9	2	H2	0.057650	11.3	46.833
B	11	2	H2	1.234528	14.5	4057.173
Na	23	1	He	2.328828	9.7	23136.187
Mg	24	1	He	-0.189264		3467.030
Al	27	1	He	0.918723	7.8	820.687
Si	28	2	H2	7.801020	8.2	49988.857
K	39	1	He	0.413038	170.1	137238.090
Ca	43	1	He	1.290338	41.6	17.660
Ca	44	1	He	0.952781	24.2	275.577
Ti	47	1	He	0.005940	127.7	6.667
V	51	1	He	0.000269	7060.7	-1856.400
Cr	52	1	He	0.006639	45.9	696.683
Mn	55	1	He	-0.040751		513.343
Fe	56	1	He	0.323300	25.2	22775.670
Co	59	1	He	0.004982	52.0	222.667
Ni	60	1	He	-0.054114		622.680
Cu	63	1	He	0.020696	5.6	634.010
Zn	66	1	He	0.003118	316.0	248.000
As	75	1	He	0.005508	4.5	299.833
Se	78	2	H2	0.013300	19.3	34.667
Sr	88	1	He	0.002042	132.8	276.673
Mo	95	1	He	0.012827	20.0	140.000
Pd	105	1	He	0.009038	35.6	153.337
Ag	107	1	He	0.210570	16.7	6344.583
Cd	111	1	He	0.017369	11.9	88.293
Sn	118	1	He	0.020214	14.8	440.010
Sb	121	1	He	0.012124	37.8	301.673
Ba	138	1	He	0.007086	20.3	456.680
Pt	195	1	He	0.007223	37.6	206.673
Hg	202	1	He	0.033318	41.9	340.010
Tl	205	1	He	0.066643	20.8	4552.370
Pb	206	1	He	0.019344	14.1	470.010
Pb	207	1	He	0.015784	75.9	1276.733
Pb	208	1	He	0.018231	18.5	2718.450
Bi	209	1	He	0.005650	103.2	2016.837
Th	232	1	He	0.009010	16.6	826.700
U	238	1	He	0.006378	29.6	648.353

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.0773572	1116345.540
Sc	45	2	H2	102.3746606	6861325.500
Ge	72	1	He	100.9436821	683531.520
Ge	72	2	H2	102.8954999	1866373.627
In	115	1	He	100.2260448	7305870.770
Tb	159	1	He	102.4310749	16585864.337
Ir	193	1	He	102.2799153	7995448.007

Sample Name	ICB
Sample Type	ICB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	014_ICB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:00:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.077377	1.6	133.833
Be	9	2	H2	0.028943	10.6	26.833
B	11	2	H2	0.700267	77.5	3670.443
Na	23	1	He	1.344334	19.1	21305.640
Mg	24	1	He	-0.791655		2811.900
Al	27	1	He	0.357371	20.1	483.010
Si	28	2	H2	3.847113	13.4	31301.863
K	39	1	He	-0.507135		136712.043
Ca	43	1	He	0.211507	190.1	12.217
Ca	44	1	He	0.467934	145.7	235.493
Ti	47	1	He	0.005850	94.7	6.667
V	51	1	He	0.022813	75.8	-1574.723
Cr	52	1	He	0.003325	30.2	650.017
Mn	55	1	He	-0.046858		444.677
Fe	56	1	He	-0.058222		17471.113
Co	59	1	He	0.000391	145.1	119.333
Ni	60	1	He	-0.065598		562.677
Cu	63	1	He	0.013110	16.9	528.677
Zn	66	1	He	0.003768	374.9	251.333
As	75	1	He	0.001242	327.8	291.500
Se	78	2	H2	0.009577	15.9	30.000
Sr	88	1	He	0.002150	38.6	281.677
Mo	95	1	He	0.004042	82.4	61.667
Pd	105	1	He	0.007398	53.4	133.337
Ag	107	1	He	0.051553	14.7	2278.507
Cd	111	1	He	0.014886	46.4	76.647
Sn	118	1	He	0.011787	18.3	335.010
Sb	121	1	He	0.003874	41.7	165.000
Ba	138	1	He	0.003047	26.1	290.007
Pt	195	1	He	0.005269	84.9	176.670
Hg	202	1	He	0.016089	54.5	206.673
Tl	205	1	He	0.013673	23.1	1576.760
Pb	206	1	He	0.007878	15.0	251.673
Pb	207	1	He	0.005425	87.0	1111.720
Pb	208	1	He	0.008559	16.7	1991.747
Bi	209	1	He	0.004036	43.9	1923.503
Th	232	1	He	0.002468	42.5	268.337
U	238	1	He	0.001921	13.5	260.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.8359797	1124642.040
Sc	45	2	H2	102.5086371	6870304.833
Ge	72	1	He	101.6127418	688062.000
Ge	72	2	H2	102.3742477	1856918.877
In	115	1	He	101.1695363	7374645.573
Tb	159	1	He	102.5419101	16603811.003
Ir	193	1	He	101.8860280	7964656.967

Sample Name	CRDL
Sample Type	CRDL
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	015CRD.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:04:22
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.576017	6.2	551.010
Be	9	2	H2	0.241971	1.9	178.333
B	11	2	H2	10.663904	10.3	11156.870
Na	23	1	He	52.169972	1.4	125308.807
Mg	24	1	He	30.938082	0.7	38862.343
Al	27	1	He	31.460536	1.6	19617.340
Si	28	2	H2	107.518229	4.0	531510.843
K	39	1	He	102.914605	2.5	312160.067
Ca	43	1	He	102.079995	4.0	541.360
Ca	44	1	He	102.816305	2.7	9139.720
Ti	47	1	He	1.064968	3.2	597.343
V	51	1	He	1.008817	5.2	11432.217
Cr	52	1	He	2.087751	2.3	33522.213
Mn	55	1	He	0.479131	3.0	6713.267
Fe	56	1	He	53.417567	1.0	788573.647
Co	59	1	He	0.540056	2.6	12509.703
Ni	60	1	He	0.448004	5.0	3452.340
Cu	63	1	He	1.106259	2.2	16363.457
Zn	66	1	He	5.127540	1.9	15547.437
As	75	1	He	0.495006	4.3	1500.230
Se	78	2	H2	0.489279	6.4	614.677
Sr	88	1	He	0.495182	1.8	10379.823
Mo	95	1	He	0.531964	2.6	4839.060
Pd	105	1	He	0.543185	5.1	7138.320
Ag	107	1	He	0.449699	5.4	12663.053
Cd	111	1	He	0.085738	4.2	428.560
Sn	118	1	He	0.490150	2.8	6564.643
Sb	121	1	He	0.502851	1.5	8642.263
Ba	138	1	He	0.305246	2.4	12876.673
Pt	195	1	He	0.511012	4.3	8015.490
Hg	202	1	He	0.150689	3.8	1260.080
Tl	205	1	He	0.097102	7.1	6309.643
Pb	206	1	He	0.517899	1.8	10059.913
Pb	207	1	He	0.520317	0.5	9384.483
Pb	208	1	He	0.518141	0.7	40645.223
Bi	209	1	He	0.521463	3.1	32804.073
Th	232	1	He	0.490189	0.9	41802.460
U	238	1	He	0.485135	1.8	42352.307

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.2247280	1128893.497
Sc	45	2	H2	104.2361095	6986083.000
Ge	72	1	He	102.1246427	691528.293
Ge	72	2	H2	103.7590182	1882036.583
In	115	1	He	101.6303701	7408237.563
Tb	159	1	He	103.0930338	16693050.167
Ir	193	1	He	102.1914061	7988529.050

Sample Name	ICSA
Sample Type	ICSA
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	016ICSA.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:07:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.217708	7.3	236.667
Be	9	2	H2	0.024340	19.5	22.500
B	11	2	H2	0.319905	58.4	3227.017
Na	23	1	He	26334.75532	0.9	52583800.883
Mg	24	1	He	25841.62796	1.2	28655590.407
Al	27	1	He	25489.27325	1.1	15306559.667
Si	28	2	H2	2.533991	14.2	23867.557
K	39	1	He	25907.81402	1.1	42914571.027
Ca	43	1	He	25434.81341	1.3	128983.683
Ca	44	1	He	25687.17366	0.2	2181626.340
Ti	47	1	He	490.303900	1.1	266915.690
V	51	1	He	0.002582	2444.8	-1803.647
Cr	52	1	He	0.239094	2.5	4266.517
Mn	55	1	He	-0.010736		856.023
Fe	56	1	He	26291.76964	1.4	370062762.667
Co	59	1	He	0.056891	6.1	1368.057
Ni	60	1	He	-0.016340		812.023
Cu	63	1	He	0.072501	6.8	1343.390
Zn	66	1	He	0.144964	8.4	650.680
As	75	1	He	0.046550	4.4	389.500
Se	78	2	H2	0.040927	43.4	65.333
Sr	88	1	He	0.244641	10.0	4982.427
Mo	95	1	He	537.052400	0.5	4689323.890
Pd	105	1	He	0.004673	21.3	93.333
Ag	107	1	He	0.036380	21.3	1798.453
Cd	111	1	He	-0.024696		-113.400
Sn	118	1	He	0.014273	8.4	350.010
Sb	121	1	He	0.011481	22.1	280.007
Ba	138	1	He	0.009423	9.3	543.347
Pt	195	1	He	0.001945	47.5	123.333
Hg	202	1	He	0.009528	74.0	153.337
Tl	205	1	He	0.012222	32.4	1463.413
Pb	206	1	He	0.016181	34.0	401.677
Pb	207	1	He	0.007559	78.5	1123.387
Pb	208	1	He	0.013810	21.8	2340.097
Bi	209	1	He	-0.000523		1620.117
Th	232	1	He	0.003795	18.4	370.010
U	238	1	He	0.001933	30.8	253.337

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.7684027	1102030.460
Sc	45	2	H2	97.41916488	6529199.667
Ge	72	1	He	98.54141751	667264.790
Ge	72	2	H2	98.63955624	1789177.043
In	115	1	He	96.47908511	7032740.130
Tb	159	1	He	100.4818415	16270240.177
Ir	193	1	He	98.61192168	7708712.803

Sample Name	ICSAB
Sample Type	ICSB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	017ICSB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:11:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	103.158491	4.6	82365.987
Be	9	2	H2	105.937984	4.0	72071.723
B	11	2	H2	98.244158	8.1	73361.417
Na	23	1	He	27980.91048	1.2	57351577.480
Mg	24	1	He	27542.66598	1.5	31350791.197
Al	27	1	He	27294.99455	1.5	16825088.000
Si	28	2	H2	1246.366289	7.2	5776280.167
K	39	1	He	27745.45432	1.6	47165904.297
Ca	43	1	He	27399.74023	0.7	142642.127
Ca	44	1	He	27322.52582	1.5	2381763.513
Ti	47	1	He	577.397176	1.0	322673.397
V	51	1	He	105.065421	2.5	1386962.323
Cr	52	1	He	103.906977	1.4	1642638.330
Mn	55	1	He	103.342463	1.6	1234820.917
Fe	56	1	He	26648.17958	1.9	385004586.667
Co	59	1	He	105.655498	0.6	2418851.250
Ni	60	1	He	105.840403	0.3	593997.707
Cu	63	1	He	103.213157	0.8	1490741.750
Zn	66	1	He	103.245863	0.8	307530.157
As	75	1	He	102.400262	0.5	249946.150
Se	78	2	H2	102.927697	1.0	121404.383
Sr	88	1	He	101.162099	0.7	1981308.097
Mo	95	1	He	611.532845	0.7	5517646.583
Pd	105	1	He	98.293186	0.6	1228716.153
Ag	107	1	He	50.264754	3.5	1253084.850
Cd	111	1	He	101.508815	0.4	481366.210
Sn	118	1	He	99.503563	0.7	1239038.600
Sb	121	1	He	97.593845	1.2	1585388.623
Ba	138	1	He	102.094213	0.0	4185997.650
Pt	195	1	He	98.802881	0.4	1507554.927
Hg	202	1	He	3.883093	1.2	29958.427
Tl	205	1	He	50.226002	0.6	2800630.687
Pb	206	1	He	100.207026	1.1	1897312.577
Pb	207	1	He	100.013397	1.9	1582083.363
Pb	208	1	He	100.192851	0.9	7482717.963
Bi	209	1	He	100.049395	0.8	5879870.957
Th	232	1	He	99.758214	1.1	8257111.130
U	238	1	He	100.301055	0.8	8491847.790

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.4451645	1131304.250
Sc	45	2	H2	99.89791865	6695330.000
Ge	72	1	He	101.8279636	689519.357
Ge	72	2	H2	100.4649631	1822287.250
In	115	1	He	97.18447274	7084158.610
Tb	159	1	He	101.5103730	16436782.257
Ir	193	1	He	99.32126889	7764164.050

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	018_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:15:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.248261	5.4	68357.947
Be	9	2	H2	81.949594	4.8	58026.490
B	11	2	H2	80.064528	5.6	62762.497
Na	23	1	He	2056.746694	0.9	4228305.143
Mg	24	1	He	2061.087722	0.7	2347024.757
Al	27	1	He	2011.395929	0.5	1238813.413
Si	28	2	H2	1003.345634	5.2	4840090.500
K	39	1	He	2004.407950	0.3	3532113.490
Ca	43	1	He	2026.899045	0.9	10550.630
Ca	44	1	He	2026.910795	1.5	176682.480
Ti	47	1	He	77.476690	0.6	43252.463
V	51	1	He	82.146736	1.0	1082977.737
Cr	52	1	He	83.081448	0.5	1312119.707
Mn	55	1	He	84.023658	0.8	1003093.000
Fe	56	1	He	1044.447381	1.3	15092055.667
Co	59	1	He	81.977855	1.4	1921163.373
Ni	60	1	He	83.640072	1.2	480694.857
Cu	63	1	He	85.912879	0.5	1270300.040
Zn	66	1	He	82.145566	0.4	250527.343
As	75	1	He	79.251650	0.3	198084.213
Se	78	2	H2	78.584862	0.7	95736.880
Sr	88	1	He	76.078026	0.7	1549400.810
Mo	95	1	He	80.751674	0.6	745863.037
Pd	105	1	He	81.501738	1.8	1059264.437
Ag	107	1	He	41.238729	3.6	1068890.247
Cd	111	1	He	80.933158	1.2	399039.280
Sn	118	1	He	79.490727	0.9	1029231.130
Sb	121	1	He	76.920626	1.2	1299290.477
Ba	138	1	He	79.322420	1.2	3304990.473
Pt	195	1	He	82.102409	2.8	1272845.453
Hg	202	1	He	3.748896	1.4	29394.210
Tl	205	1	He	39.581112	2.7	2242667.990
Pb	206	1	He	80.503880	3.1	1548730.760
Pb	207	1	He	85.466223	2.0	1373886.593
Pb	208	1	He	82.014526	1.8	6224199.700
Bi	209	1	He	83.867672	1.9	5008660.343
Th	232	1	He	78.410899	0.9	6669148.863
U	238	1	He	75.836606	0.9	6597759.277

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.3212762	1129949.373
Sc	45	2	H2	104.0069698	6970725.667
Ge	72	1	He	104.2352425	705820.040
Ge	72	2	H2	103.7544906	1881954.460
In	115	1	He	101.0532908	7366171.987
Tb	159	1	He	103.1622054	16704250.583
Ir	193	1	He	102.0662657	7978746.547

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	019_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:18:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.076596	6.4	136.833
Be	9	2	H2	0.029105	14.4	27.667
B	11	2	H2	0.370537	115.0	3527.070
Na	23	1	He	1.782738	13.5	22502.030
Mg	24	1	He	-1.069290		2531.857
Al	27	1	He	0.504996	15.7	581.343
Si	28	2	H2	1.188664	17.5	19200.703
K	39	1	He	0.291799	297.1	139951.497
Ca	43	1	He	-0.141758		10.530
Ca	44	1	He	-0.253668		175.387
Ti	47	1	He	0.030606	68.8	20.667
V	51	1	He	0.017184	239.2	-1672.820
Cr	52	1	He	-0.000463		598.677
Mn	55	1	He	-0.044273		482.010
Fe	56	1	He	0.284590	15.4	22704.160
Co	59	1	He	0.003650	31.6	196.667
Ni	60	1	He	-0.083660		468.677
Cu	63	1	He	0.018284	12.0	612.677
Zn	66	1	He	0.008138	70.5	268.667
As	75	1	He	-0.003624		283.833
Se	78	2	H2	0.006655	63.3	27.333
Sr	88	1	He	0.002208	107.2	288.337
Mo	95	1	He	0.026896	7.4	271.673
Pd	105	1	He	0.010454	15.8	176.673
Ag	107	1	He	0.242996	12.4	7388.327
Cd	111	1	He	0.012201	27.6	64.917
Sn	118	1	He	0.017860	8.7	421.677
Sb	121	1	He	0.010542	17.0	283.340
Ba	138	1	He	0.007729	21.2	493.347
Pt	195	1	He	0.005883	39.7	190.007
Hg	202	1	He	0.023961	30.4	273.343
Tl	205	1	He	0.060078	20.7	4267.290
Pb	206	1	He	0.012012	24.8	336.677
Pb	207	1	He	0.017482	23.1	1330.070
Pb	208	1	He	0.012563	9.6	2338.433
Bi	209	1	He	0.007201	28.8	2153.533
Th	232	1	He	0.007586	5.4	720.023
U	238	1	He	0.005808	15.6	611.683

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	104.2498609	1140104.627
Sc	45	2	H2	105.2880596	7056586.500
Ge	72	1	He	103.1461550	698445.377
Ge	72	2	H2	105.5056379	1913717.707
In	115	1	He	103.1556907	7519424.183
Tb	159	1	He	104.5296832	16925675.583
Ir	193	1	He	104.2806686	8151851.337

Sample Name	4317543_B70165Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	020SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:22:21
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.100128	4.0	159.000
Be	9	2	H2	0.074109	3.9	60.833
B	11	2	H2	0.852342	53.2	3947.183
Na	23	1	He	11.083702	0.8	42216.270
Mg	24	1	He	1.933672	9.3	6049.377
Al	27	1	He	3.810240	1.9	2666.863
Si	28	2	H2	2.773164	13.8	27336.817
K	39	1	He	4.015747	4.8	148093.000
Ca	43	1	He	9.863216	7.5	63.793
Ca	44	1	He	10.753542	8.6	1156.487
Ti	47	1	He	0.075743	25.8	46.667
V	51	1	He	0.037570	123.2	-1415.840
Cr	52	1	He	0.428738	1.4	7524.910
Mn	55	1	He	0.062560	13.9	1788.767
Fe	56	1	He	5.951665	0.4	106504.293
Co	59	1	He	0.041054	7.3	1072.703
Ni	60	1	He	-0.012902		877.360
Cu	63	1	He	0.278099	1.3	4448.570
Zn	66	1	He	1.271150	3.0	4109.147
As	75	1	He	0.005027	108.3	307.667
Se	78	2	H2	0.022067	19.1	46.667
Sr	88	1	He	0.063218	2.3	1576.757
Mo	95	1	He	0.064309	11.4	618.350
Pd	105	1	He	0.004825	68.8	103.333
Ag	107	1	He	0.066564	4.0	2756.913
Cd	111	1	He	0.050628	21.7	261.483
Sn	118	1	He	0.289547	4.7	4063.850
Sb	121	1	He	0.020255	12.4	456.677
Ba	138	1	He	0.067672	1.0	3050.307
Pt	195	1	He	0.007048	33.4	210.003
Hg	202	1	He	0.021583	15.6	256.677
Tl	205	1	He	0.027139	9.9	2400.207
Pb	206	1	He	0.344258	2.9	6873.190
Pb	207	1	He	0.338667	1.2	6614.773
Pb	208	1	He	0.346698	1.8	28273.300
Bi	209	1	He	0.046181	6.7	4550.747
Th	232	1	He	0.019214	6.1	1733.447
U	238	1	He	0.017872	13.7	1686.777

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.5136602	1153925.877
Sc	45	2	H2	106.8913086	7164039.000
Ge	72	1	He	103.9799355	704091.250
Ge	72	2	H2	106.1109124	1924696.500
In	115	1	He	104.5001563	7617427.573
Tb	159	1	He	105.4259392	17070799.330
Ir	193	1	He	104.4893424	8168163.833

Sample Name	4319213_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	021SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:25:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.067005	9.4	130.500
Be	9	2	H2	0.021254	17.1	22.333
B	11	2	H2	0.684516	58.5	3813.810
Na	23	1	He	3.693542	5.5	27033.113
Mg	24	1	He	1.298359	18.1	5364.160
Al	27	1	He	4.799778	2.7	3321.303
Si	28	2	H2	2.504443	10.5	25948.907
K	39	1	He	0.838140	206.0	143999.403
Ca	43	1	He	27.384279	6.9	158.360
Ca	44	1	He	27.396033	9.4	2661.783
Ti	47	1	He	0.072646	50.0	45.333
V	51	1	He	-0.061743		-2782.750
Cr	52	1	He	0.798886	3.9	13624.463
Mn	55	1	He	0.004618	142.2	1094.037
Fe	56	1	He	5.991922	0.3	108151.240
Co	59	1	He	0.002603	26.9	175.333
Ni	60	1	He	-0.056395		634.010
Cu	63	1	He	0.041832	11.2	973.363
Zn	66	1	He	0.497687	2.0	1774.097
As	75	1	He	-0.017944		252.667
Se	78	2	H2	0.009233	37.0	30.667
Sr	88	1	He	0.176483	2.3	3965.490
Mo	95	1	He	0.017800	7.9	191.667
Pd	105	1	He	0.003593	25.3	86.667
Ag	107	1	He	0.023795	21.0	1613.427
Cd	111	1	He	0.009430	5.0	51.610
Sn	118	1	He	0.041540	6.1	745.023
Sb	121	1	He	0.167898	6.8	3036.967
Ba	138	1	He	0.074503	6.3	3312.027
Pt	195	1	He	0.015630	10.7	343.343
Hg	202	1	He	0.011764	28.6	176.670
Tl	205	1	He	0.005018	25.3	1110.050
Pb	206	1	He	0.012503	8.4	346.677
Pb	207	1	He	0.015755	32.2	1301.737
Pb	208	1	He	0.013448	12.0	2406.773
Bi	209	1	He	0.001053	231.8	1780.137
Th	232	1	He	0.002331	12.3	265.007
U	238	1	He	0.000841	69.3	171.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	106.5523290	1165285.040
Sc	45	2	H2	106.7052868	7151571.500
Ge	72	1	He	104.8893742	710249.437
Ge	72	2	H2	106.1747338	1925854.127
In	115	1	He	104.5893981	7623932.760
Tb	159	1	He	104.5317495	16926010.167
Ir	193	1	He	104.8344272	8195139.877

Sample Name	4319214_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	022SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:29:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	109.982619	4.1	91363.170
Be	9	2	H2	111.153695	3.2	78673.220
B	11	2	H2	109.301865	4.5	84498.400
Na	23	1	He	2236.280549	7.2	4513044.830
Mg	24	1	He	2230.105869	7.3	2493398.087
Al	27	1	He	2170.785797	6.6	1313237.333
Si	28	2	H2	550.037296	4.3	2658915.083
K	39	1	He	2188.624944	7.5	3774815.150
Ca	43	1	He	2267.245627	7.5	11586.650
Ca	44	1	He	2215.570729	5.4	189775.787
Ti	47	1	He	104.492052	6.8	57294.953
V	51	1	He	109.927161	7.1	1423812.050
Cr	52	1	He	111.019565	6.8	1721855.250
Mn	55	1	He	110.704864	6.7	1297807.000
Fe	56	1	He	2226.551270	6.9	31577944.000
Co	59	1	He	114.589870	6.0	2599829.500
Ni	60	1	He	115.726558	6.1	643524.313
Cu	63	1	He	114.099762	5.7	1633295.250
Zn	66	1	He	111.878043	5.5	330290.947
As	75	1	He	109.002738	5.6	263678.933
Se	78	2	H2	105.701079	0.8	128529.583
Sr	88	1	He	105.970811	5.9	2091615.543
Mo	95	1	He	109.243641	6.2	976758.630
Pd	105	1	He	22.543129	5.1	284095.353
Ag	107	1	He	50.077257	2.4	1259672.533
Cd	111	1	He	108.427135	4.9	518343.940
Sn	118	1	He	105.013047	5.6	1317952.117
Sb	121	1	He	102.425110	7.0	1676142.213
Ba	138	1	He	109.590534	5.9	4296895.877
Pt	195	1	He	22.384606	4.6	326843.687
Hg	202	1	He	0.010358	31.5	153.337
Tl	205	1	He	110.889115	6.2	5911285.330
Pb	206	1	He	111.813922	6.0	2024441.947
Pb	207	1	He	114.735024	5.9	1735502.267
Pb	208	1	He	113.780336	6.1	8125115.710
Bi	209	1	He	115.115711	6.3	6468756.363
Th	232	1	He	111.549452	6.4	8991356.533
U	238	1	He	106.768143	6.6	8801870.077

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.7542830	1112812.313
Sc	45	2	H2	103.9792848	6968870.167
Ge	72	1	He	101.1282108	684781.040
Ge	72	2	H2	103.5730629	1878663.627
In	115	1	He	98.15267007	7154734.323
Tb	159	1	He	97.28331201	15752327.267
Ir	193	1	He	96.97645151	7580864.470

Sample Name	10607484001_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	023SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:33:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.766739	5.3	704.513
Be	9	2	H2	0.035767	49.2	32.000
B	11	2	H2	7.685057	1.3	8872.310
Na	23	1	He	8812.194105	0.5	18114906.397
Mg	24	1	He	2902.880082	0.4	3315049.120
Al	27	1	He	23.723973	0.9	14922.660
Si	28	2	H2	1534.268977	5.2	7355378.333
K	39	1	He	578.387593	1.1	1121276.730
Ca	43	1	He	12670.99282	0.6	66113.157
Ca	44	1	He	13139.21687	0.2	1148077.217
Ti	47	1	He	0.330654	10.3	188.667
V	51	1	He	1.423780	4.9	16976.520
Cr	52	1	He	1.699359	1.3	27516.817
Mn	55	1	He	373.139504	1.3	4465941.833
Fe	56	1	He	26376.49972	0.7	381957578.667
Co	59	1	He	1.001078	1.7	23327.047
Ni	60	1	He	6.649367	1.4	38686.623
Cu	63	1	He	5151.433004	0.6	75355157.333
Zn	66	1	He	179.505493	0.4	541457.230
As	75	1	He	1.920579	0.4	5036.047
Se	78	2	H2	0.132513	7.5	180.333
Sr	88	1	He	22.054497	1.8	449699.290
Mo	95	1	He	0.140877	2.2	1313.400
Pd	105	1	He	0.013288	5.3	210.007
Ag	107	1	He	0.762404	5.6	20705.883
Cd	111	1	He	3.687661	3.4	18201.003
Sn	118	1	He	9.631639	1.1	124975.980
Sb	121	1	He	1.115057	1.9	18948.967
Ba	138	1	He	15.790628	0.7	653416.087
Pt	195	1	He	0.113138	8.4	1836.817
Hg	202	1	He	0.026815	29.1	290.010
Tl	205	1	He	0.044703	14.4	3320.377
Pb	206	1	He	154.049330	0.8	2942972.767
Pb	207	1	He	154.373425	0.9	2463425.170
Pb	208	1	He	153.132373	0.8	11538771.177
Bi	209	1	He	0.354491	2.6	22696.560
Th	232	1	He	0.020612	3.2	1808.460
U	238	1	He	0.016072	8.4	1488.417

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.6629530	1133686.043
Sc	45	2	H2	103.4685871	6934642.333
Ge	72	1	He	103.1489422	698464.250
Ge	72	2	H2	103.8663565	1883983.543
In	115	1	He	101.1358073	7372186.940
Tb	159	1	He	102.4290858	16585542.250
Ir	193	1	He	101.8334704	7960548.423

Sample Name	10607907001_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	024SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:36:41
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	59.667660	1.4	44326.733
Be	9	2	H2	0.026927	31.9	23.167
B	11	2	H2	258.376464	1.5	174615.400
Na	23	1	He	111800.1953	0.5	219765683.390
Mg	24	1	He	204878.8681	0.9	223686803.333
Al	27	1	He	7.340229	2.1	4594.573
Si	28	2	H2	6091.775149	5.0	26215545.333
K	39	1	He	5885.469697	0.2	9703106.313
Ca	43	1	He	280910.0232	0.5	1402697.210
Ca	44	1	He	275006.7457	0.2	22997221.877
Ti	47	1	He	0.219978	14.5	121.333
V	51	1	He	3.824370	1.3	46697.117
Cr	52	1	He	0.786327	1.5	12499.000
Mn	55	1	He	61.196370	0.4	701876.103
Fe	56	1	He	59.630499	0.8	844128.253
Co	59	1	He	0.209248	2.4	4521.917
Ni	60	1	He	1.147090	0.6	6791.970
Cu	63	1	He	1.297746	0.8	17607.977
Zn	66	1	He	2.152487	3.3	6133.073
As	75	1	He	1.257282	0.4	3095.603
Se	78	2	H2	5.483085	1.8	6067.043
Sr	88	1	He	6058.498409	0.6	111895901.663
Mo	95	1	He	22.154661	0.1	184505.840
Pd	105	1	He	0.852935	10.0	10093.157
Ag	107	1	He	0.054676	7.5	2138.487
Cd	111	1	He	0.041744	11.7	189.650
Sn	118	1	He	0.094652	11.7	1276.727
Sb	121	1	He	0.063890	15.2	1068.377
Ba	138	1	He	20.529258	1.2	796843.580
Pt	195	1	He	0.142422	5.2	2146.860
Hg	202	1	He	0.008674	63.7	140.000
Tl	205	1	He	0.008067	25.1	1181.720
Pb	206	1	He	0.049133	2.0	975.040
Pb	207	1	He	0.044057	7.8	1620.100
Pb	208	1	He	0.048464	3.0	4686.967
Bi	209	1	He	0.006519	88.9	1940.160
Th	232	1	He	0.008542	11.3	710.023
U	238	1	He	27.887193	0.6	2191483.143

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.22436626	1085144.460
Sc	45	2	H2	92.98121529	6231760.667
Ge	72	1	He	93.97503437	636343.917
Ge	72	2	H2	93.98597369	1704767.873
In	115	1	He	91.65509797	6681100.727
Tb	159	1	He	96.08218474	15557838.103
Ir	193	1	He	92.18690643	7206455.100

Sample Name	4322991_B70189Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	025SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:40:17
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	13.034807	4.5	11417.790
Be	9	2	H2	0.014944	11.4	18.167
B	11	2	H2	57.461515	6.2	48182.513
Na	23	1	He	23316.35195	0.8	50492635.913
Mg	24	1	He	43002.39383	0.2	51710327.563
Al	27	1	He	2.739907	3.1	2064.787
Si	28	2	H2	1339.579060	6.8	6772033.500
K	39	1	He	1208.028850	0.3	2309466.113
Ca	43	1	He	56368.95345	0.2	309989.250
Ca	44	1	He	56148.08131	0.7	5170615.173
Ti	47	1	He	0.045772	36.2	30.667
V	51	1	He	0.659629	11.7	7216.023
Cr	52	1	He	0.169320	8.3	3460.343
Mn	55	1	He	12.677101	0.7	160959.650
Fe	56	1	He	12.528539	0.6	210691.933
Co	59	1	He	0.038628	4.4	1034.033
Ni	60	1	He	0.180001	8.8	2015.453
Cu	63	1	He	0.344777	0.6	5528.200
Zn	66	1	He	0.472003	5.6	1710.090
As	75	1	He	0.282171	4.2	1015.197
Se	78	2	H2	0.993144	1.2	1297.717
Sr	88	1	He	1210.038187	0.5	24901117.130
Mo	95	1	He	4.330768	0.6	40632.243
Pd	105	1	He	0.188994	3.8	2520.237
Ag	107	1	He	0.018090	14.0	1425.073
Cd	111	1	He	0.020277	28.6	104.477
Sn	118	1	He	0.024320	19.2	501.680
Sb	121	1	He	0.019239	28.2	428.347
Ba	138	1	He	4.238896	0.6	180527.250
Pt	195	1	He	0.039062	9.8	716.697
Hg	202	1	He	0.006165	73.2	133.333
Tl	205	1	He	-0.003840		606.687
Pb	206	1	He	0.018383	13.0	465.010
Pb	207	1	He	0.021837	20.1	1411.743
Pb	208	1	He	0.020384	10.0	2963.473
Bi	209	1	He	0.002342	100.2	1873.487
Th	232	1	He	0.001812	20.0	215.000
U	238	1	He	5.632428	1.2	493240.733

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	109.2720062	1195028.163
Sc	45	2	H2	108.9517129	7302130.833
Ge	72	1	He	105.8174791	716534.020
Ge	72	2	H2	109.6137701	1988233.207
In	115	1	He	102.1227912	7444132.073
Tb	159	1	He	105.3474396	17058088.497
Ir	193	1	He	102.7132987	8029326.550

Sample Name	4319215_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	026SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:43:52
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	163.182019	0.7	128249.870
Be	9	2	H2	101.148436	1.4	67777.033
B	11	2	H2	372.902709	1.7	265557.843
Na	23	1	He	122872.0277	3.3	257467236.163
Mg	24	1	He	222140.9917	3.9	258508249.480
Al	27	1	He	2091.103525	3.7	1318239.460
Si	28	2	H2	6908.407180	4.3	31479249.333
K	39	1	He	8386.954414	4.2	14675367.280
Ca	43	1	He	301477.5011	3.8	1604505.240
Ca	44	1	He	295744.5301	3.5	26360243.957
Ti	47	1	He	102.494936	4.4	58559.603
V	51	1	He	113.796125	3.7	1536360.827
Cr	52	1	He	106.760260	3.7	1725673.290
Mn	55	1	He	168.402145	3.9	2056690.873
Fe	56	1	He	2132.043076	3.6	31515542.000
Co	59	1	He	108.810830	3.8	2420637.833
Ni	60	1	He	108.736846	3.7	592967.627
Cu	63	1	He	106.151248	4.3	1489625.123
Zn	66	1	He	102.918889	3.0	297938.917
As	75	1	He	113.848921	2.9	270047.113
Se	78	2	H2	124.201536	2.4	145944.700
Sr	88	1	He	6700.633965	4.4	125884934.790
Mo	95	1	He	134.981285	3.1	1183662.170
Pd	105	1	He	21.431920	3.2	257118.030
Ag	107	1	He	45.801759	1.0	1096681.023
Cd	111	1	He	102.335504	3.2	465693.007
Sn	118	1	He	106.821334	4.4	1276085.813
Sb	121	1	He	103.969363	4.3	1620348.463
Ba	138	1	He	127.109715	4.2	4997970.137
Pt	195	1	He	20.790822	4.1	304312.723
Hg	202	1	He	0.022430	50.1	243.340
Tl	205	1	He	100.556257	4.6	5375708.460
Pb	206	1	He	99.620813	4.4	1808792.527
Pb	207	1	He	99.884568	4.0	1515399.300
Pb	208	1	He	99.705296	4.2	7141041.773
Bi	209	1	He	99.387154	4.0	5601895.127
Th	232	1	He	107.868324	3.7	8345639.043
U	238	1	He	132.610664	3.6	10494928.383

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.8451409	1157551.040
Sc	45	2	H2	98.46779514	6599480.667
Ge	72	1	He	99.03106508	670580.397
Ge	72	2	H2	100.1071383	1815796.833
In	115	1	He	93.34453506	6804250.443
Tb	159	1	He	97.46207843	15781273.517
Ir	193	1	He	92.92789588	7264379.890

Sample Name	4319216_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	027SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:47:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	161.520801	1.0	127573.800
Be	9	2	H2	100.301967	1.9	67545.267
B	11	2	H2	368.242781	2.4	263600.327
Na	23	1	He	120405.3801	0.8	258806962.810
Mg	24	1	He	216621.5559	0.5	258627802.813
Al	27	1	He	2046.978387	0.3	1323888.083
Si	28	2	H2	6807.126295	5.2	31171652.000
K	39	1	He	8239.805469	0.3	14795865.613
Ca	43	1	He	294097.3867	0.5	1605825.760
Ca	44	1	He	288594.6289	0.9	26388199.613
Ti	47	1	He	100.117004	1.1	58690.533
V	51	1	He	110.158370	0.7	1525713.567
Cr	52	1	He	104.379492	0.7	1730915.540
Mn	55	1	He	169.635334	0.8	2125539.750
Fe	56	1	He	2081.284778	0.7	31562428.000
Co	59	1	He	106.462986	0.7	2435165.917
Ni	60	1	He	105.595910	0.6	592093.540
Cu	63	1	He	102.605133	1.0	1480642.417
Zn	66	1	He	100.707543	1.0	299708.700
As	75	1	He	110.868180	0.8	270343.697
Se	78	2	H2	124.318767	1.4	145210.113
Sr	88	1	He	6511.378600	0.6	125071508.137
Mo	95	1	He	131.342661	0.6	1184035.087
Pd	105	1	He	20.975923	1.5	257192.363
Ag	107	1	He	45.565113	2.6	1114158.163
Cd	111	1	He	100.411086	1.1	467005.027
Sn	118	1	He	104.496461	1.3	1276186.413
Sb	121	1	He	101.969004	0.7	1624718.830
Ba	138	1	He	124.979545	1.0	4983577.423
Pt	195	1	He	20.548971	2.9	304974.073
Hg	202	1	He	0.014807	85.7	190.003
Tl	205	1	He	99.722918	0.9	5407085.127
Pb	206	1	He	98.075875	1.6	1806023.097
Pb	207	1	He	99.127869	1.6	1524952.530
Pb	208	1	He	98.070113	0.5	7123114.633
Bi	209	1	He	97.402227	0.9	5567210.960
Th	232	1	He	105.332371	1.0	8342719.460
U	238	1	He	129.713206	0.2	10508527.340

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	108.4976489	1186559.583
Sc	45	2	H2	98.94564522	6631507.000
Ge	72	1	He	101.7356575	688894.313
Ge	72	2	H2	99.48671911	1804543.337
In	115	1	He	95.32018599	6948263.413
Tb	159	1	He	98.72545009	15985841.427
Ir	193	1	He	95.03922776	7429427.390

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	028_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:51:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	89.705411	8.8	73658.687
Be	9	2	H2	88.682057	8.5	62050.147
B	11	2	H2	89.475480	7.8	68934.327
Na	23	1	He	2123.385131	1.5	4537696.493
Mg	24	1	He	2111.356062	2.2	2499381.213
Al	27	1	He	1991.252160	1.9	1274999.040
Si	28	2	H2	1066.446821	9.5	5080588.333
K	39	1	He	2001.347814	1.5	3666580.883
Ca	43	1	He	2052.837355	2.1	11107.983
Ca	44	1	He	2023.807279	1.6	183406.110
Ti	47	1	He	77.234588	1.3	44826.143
V	51	1	He	82.232659	2.3	1127045.663
Cr	52	1	He	82.665590	1.7	1357262.167
Mn	55	1	He	83.964836	1.7	1042103.663
Fe	56	1	He	1034.199778	1.8	15536323.667
Co	59	1	He	83.049060	1.9	2015073.960
Ni	60	1	He	85.070600	1.2	506191.437
Cu	63	1	He	86.571128	1.4	1325278.543
Zn	66	1	He	81.911276	1.7	258637.757
As	75	1	He	78.507940	0.9	203167.863
Se	78	2	H2	82.891604	5.2	100160.660
Sr	88	1	He	77.233353	1.9	1597452.947
Mo	95	1	He	80.755745	2.0	772242.670
Pd	105	1	He	82.686781	0.6	1091537.223
Ag	107	1	He	42.005783	1.9	1106063.810
Cd	111	1	He	81.394838	0.9	407604.453
Sn	118	1	He	80.345448	0.2	1056578.890
Sb	121	1	He	76.918992	0.4	1319637.117
Ba	138	1	He	78.946310	1.5	3358715.263
Pt	195	1	He	83.028329	0.4	1314569.693
Hg	202	1	He	3.694168	4.4	29581.003
Tl	205	1	He	39.892555	1.0	2308267.207
Pb	206	1	He	80.988521	1.2	1591130.133
Pb	207	1	He	86.086792	0.4	1413183.520
Pb	208	1	He	82.144464	0.5	6365939.853
Bi	209	1	He	82.630358	1.3	5039199.507
Th	232	1	He	77.028359	1.5	6779145.733
U	238	1	He	75.970426	2.3	6838636.360

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	107.4207165	1174781.960
Sc	45	2	H2	102.9177905	6897727.000
Ge	72	1	He	107.9248404	730803.837
Ge	72	2	H2	103.0720715	1869576.377
In	115	1	He	102.6310589	7481181.710
Tb	159	1	He	105.3317119	17055541.833
Ir	193	1	He	105.6058250	8255441.753

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	029_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:54:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.124844	22.6	192.167
Be	9	2	H2	0.036388	16.6	35.667
B	11	2	H2	1.620930	5.9	4824.043
Na	23	1	He	8.311845	7.5	37965.470
Mg	24	1	He	3.034757	13.0	7638.313
Al	27	1	He	0.156276	31.9	384.670
Si	28	2	H2	0.371857	60.3	16470.877
K	39	1	He	0.414276	290.8	147869.413
Ca	43	1	He	4.248783	7.9	35.417
Ca	44	1	He	3.286097	14.5	513.123
Ti	47	1	He	0.016264	121.2	13.333
V	51	1	He	-0.074130		-3048.003
Cr	52	1	He	0.009794	79.7	804.023
Mn	55	1	He	-0.035486		620.010
Fe	56	1	He	-0.123602		17678.640
Co	59	1	He	0.003501	67.0	202.000
Ni	60	1	He	-0.089021		458.010
Cu	63	1	He	0.099309	4.4	1878.773
Zn	66	1	He	0.004726	160.0	270.000
As	75	1	He	0.027661	27.9	377.333
Se	78	2	H2	0.016050	4.4	41.667
Sr	88	1	He	0.101241	10.4	2410.193
Mo	95	1	He	0.010963	46.4	131.667
Pd	105	1	He	0.006437	36.2	126.667
Ag	107	1	He	0.217690	17.7	6898.117
Cd	111	1	He	0.015118	29.7	81.623
Sn	118	1	He	0.012231	45.0	356.677
Sb	121	1	He	0.007580	6.1	238.333
Ba	138	1	He	0.007140	21.8	480.013
Pt	195	1	He	0.004557	29.4	173.340
Hg	202	1	He	0.029295	18.2	323.343
Tl	205	1	He	0.050280	27.6	3798.830
Pb	206	1	He	0.016428	18.7	433.343
Pb	207	1	He	0.026840	22.1	1518.420
Pb	208	1	He	0.020952	12.9	3056.813
Bi	209	1	He	0.007155	31.2	2203.523
Th	232	1	He	0.010074	0.2	963.373
U	238	1	He	0.005865	20.2	635.023

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	109.9771031	1202739.293
Sc	45	2	H2	113.8117769	7627860.667
Ge	72	1	He	107.7882485	729878.917
Ge	72	2	H2	112.9479357	2048710.087
In	115	1	He	105.9319247	7721794.803
Tb	159	1	He	107.1002593	17341908.907
Ir	193	1	He	107.2856070	8386754.040

Sample Name	4319179_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	030SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:58:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.133470	6.8	193.167
Be	9	2	H2	0.060703	17.7	52.667
B	11	2	H2	2.097312	7.9	5044.143
Na	23	1	He	23.551909	2.1	69347.060
Mg	24	1	He	6.219997	3.2	11200.150
Al	27	1	He	4.473618	2.3	3132.607
Si	28	2	H2	2.478747	5.8	26644.000
K	39	1	He	6.206275	33.6	154251.773
Ca	43	1	He	19.443302	8.9	116.500
Ca	44	1	He	19.028997	8.5	1922.670
Ti	47	1	He	0.051433	46.0	33.333
V	51	1	He	0.030350	164.9	-1535.293
Cr	52	1	He	0.234142	1.4	4457.230
Mn	55	1	He	0.093207	8.1	2196.143
Fe	56	1	He	6.641843	1.4	118500.850
Co	59	1	He	0.037457	3.9	1002.697
Ni	60	1	He	-0.020922		843.357
Cu	63	1	He	0.247483	3.1	4053.803
Zn	66	1	He	1.897008	3.0	6097.060
As	75	1	He	0.022891	41.5	357.167
Se	78	2	H2	0.017544	33.6	42.333
Sr	88	1	He	0.114936	6.8	2653.557
Mo	95	1	He	0.015369	7.1	170.000
Pd	105	1	He	0.006361	78.5	123.337
Ag	107	1	He	0.053947	11.2	2408.523
Cd	111	1	He	0.047889	14.5	246.623
Sn	118	1	He	0.362456	6.8	5015.783
Sb	121	1	He	0.009173	11.1	261.670
Ba	138	1	He	0.076800	3.1	3412.053
Pt	195	1	He	0.008188	46.3	226.673
Hg	202	1	He	0.022267	25.6	260.010
Tl	205	1	He	0.027605	2.6	2408.540
Pb	206	1	He	0.109998	9.6	2248.520
Pb	207	1	He	0.104950	11.1	2755.263
Pb	208	1	He	0.107527	3.9	9646.167
Bi	209	1	He	0.031421	3.7	3620.490
Th	232	1	He	0.017803	10.2	1621.767
U	238	1	He	0.004537	7.4	503.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	107.1714121	1172055.500
Sc	45	2	H2	110.1345111	7381404.000
Ge	72	1	He	105.4542857	714074.687
Ge	72	2	H2	109.7201321	1990162.457
In	115	1	He	104.0221270	7582582.137
Tb	159	1	He	104.5892231	16935316.417
Ir	193	1	He	105.1675352	8221179.670

Sample Name	4319180_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	031SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:01:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	115.464363	4.5	100821.933
Be	9	2	H2	115.107756	4.2	85657.163
B	11	2	H2	116.055769	4.0	94093.307
Na	23	1	He	2272.346043	1.0	4906219.927
Mg	24	1	He	2221.908253	0.4	2658126.420
Al	27	1	He	2161.228456	0.9	1398540.540
Si	28	2	H2	566.477455	5.2	2877852.250
K	39	1	He	2172.936498	0.3	4010965.563
Ca	43	1	He	2211.349992	0.6	12093.107
Ca	44	1	He	2169.751435	1.7	198724.903
Ti	47	1	He	103.399298	1.3	60648.247
V	51	1	He	109.681875	1.2	1519923.120
Cr	52	1	He	110.788761	0.6	1838209.247
Mn	55	1	He	108.515516	0.5	1360883.960
Fe	56	1	He	2214.811815	0.8	33604652.667
Co	59	1	He	113.418389	1.3	2742796.417
Ni	60	1	He	115.071415	0.5	682086.997
Cu	63	1	He	114.152322	1.1	1741562.417
Zn	66	1	He	112.604234	0.4	354279.813
As	75	1	He	107.085942	0.4	276087.790
Se	78	2	H2	108.066835	0.5	138164.347
Sr	88	1	He	106.228624	0.7	2199519.707
Mo	95	1	He	109.110730	0.5	1039948.057
Pd	105	1	He	22.509566	1.2	297488.827
Ag	107	1	He	51.468967	2.7	1356290.447
Cd	111	1	He	110.375387	0.9	553317.867
Sn	118	1	He	106.291995	0.9	1399210.867
Sb	121	1	He	102.866478	1.2	1766609.920
Ba	138	1	He	108.775625	0.3	4496985.870
Pt	195	1	He	22.186163	1.2	341401.700
Hg	202	1	He	0.013507	52.5	186.670
Tl	205	1	He	110.719089	0.2	6224004.697
Pb	206	1	He	110.352401	1.0	2106736.063
Pb	207	1	He	112.474431	1.1	1793827.423
Pb	208	1	He	111.773086	0.7	8416679.250
Bi	209	1	He	112.703359	1.0	6678388.860
Th	232	1	He	110.692104	2.0	9345118.197
U	238	1	He	106.712371	1.5	9215396.530

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	108.5592290	1187233.040
Sc	45	2	H2	109.2950493	7325141.833
Ge	72	1	He	107.5605177	728336.857
Ge	72	2	H2	108.8938733	1975175.333
In	115	1	He	102.7414530	7489228.767
Tb	159	1	He	102.3535943	16573318.500
Ir	193	1	He	101.3191440	7920342.383

Sample Name	10607340001_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	032SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:05:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	63.148346	0.6	50955.140
Be	9	2	H2	0.053045	6.2	43.000
B	11	2	H2	1677.343655	1.8	1214564.617
Na	23	1	He	385504.2775	0.8	839254200.823
Mg	24	1	He	77454.00393	1.7	93644615.270
Al	27	1	He	4.584880	2.1	3283.970
Si	28	2	H2	15934.15896	3.8	74451896.000
K	39	1	He	6269.125933	1.0	11435689.830
Ca	43	1	He	186537.6673	0.5	1031574.733
Ca	44	1	He	185185.1195	1.4	17148284.843
Ti	47	1	He	0.169548	25.9	104.000
V	51	1	He	11.901874	1.1	165154.330
Cr	52	1	He	31.513387	0.5	529725.157
Mn	55	1	He	0.174424	6.2	3280.307
Fe	56	1	He	7.953193	1.3	141629.100
Co	59	1	He	0.098855	7.5	2408.170
Ni	60	1	He	0.583265	1.3	4262.517
Cu	63	1	He	0.430363	5.5	6659.927
Zn	66	1	He	2.363845	3.0	7384.870
As	75	1	He	4.303207	1.4	10942.017
Se	78	2	H2	4.684490	2.6	5634.900
Sr	88	1	He	2677.330391	1.2	51990149.223
Mo	95	1	He	0.711327	3.2	6539.613
Pd	105	1	He	0.400006	1.2	4994.177
Ag	107	1	He	0.278156	23.3	7750.177
Cd	111	1	He	0.036099	24.6	173.043
Sn	118	1	He	0.128616	3.6	1761.777
Sb	121	1	He	0.050018	13.1	901.703
Ba	138	1	He	34.873701	0.9	1394970.500
Pt	195	1	He	0.010128	44.6	243.343
Hg	202	1	He	0.012973	47.8	176.670
Tl	205	1	He	0.040317	19.4	2970.303
Pb	206	1	He	0.047422	8.2	973.373
Pb	207	1	He	0.037781	22.1	1573.427
Pb	208	1	He	0.044788	10.8	4565.287
Bi	209	1	He	0.019259	5.7	2730.290
Th	232	1	He	0.025451	7.0	2030.157
U	238	1	He	11.721646	2.1	930850.717

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	109.8939888	1201830.333
Sc	45	2	H2	101.0068253	6769650.833
Ge	72	1	He	103.3655267	699930.833
Ge	72	2	H2	102.1232719	1852366.543
In	115	1	He	96.37026137	7024807.540
Tb	159	1	He	99.02507445	16034357.260
Ir	193	1	He	93.15321305	7281993.433

Sample Name	4322685_B70175Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	033SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:09:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	14.699134	3.4	12840.703
Be	9	2	H2	0.024687	19.5	25.333
B	11	2	H2	419.692118	2.9	329897.080
Na	23	1	He	85780.51551	0.8	189777137.170
Mg	24	1	He	17362.62342	1.9	21338395.933
Al	27	1	He	1.980449	3.3	1604.737
Si	28	2	H2	3768.275824	5.2	18985238.667
K	39	1	He	1383.728848	0.9	2681646.523
Ca	43	1	He	41074.60879	0.9	230839.470
Ca	44	1	He	41210.51540	1.1	3878387.540
Ti	47	1	He	0.030300	10.7	22.000
V	51	1	He	2.352430	4.6	31537.203
Cr	52	1	He	6.936078	1.4	118984.740
Mn	55	1	He	0.021187	4.8	1360.060
Fe	56	1	He	2.313142	2.1	55961.473
Co	59	1	He	0.018644	6.8	572.010
Ni	60	1	He	0.040916	29.6	1235.383
Cu	63	1	He	0.178462	3.5	3104.277
Zn	66	1	He	0.567088	3.3	2052.127
As	75	1	He	0.940112	3.5	2746.213
Se	78	2	H2	1.027480	5.8	1335.053
Sr	88	1	He	568.510370	0.9	11810455.653
Mo	95	1	He	0.152728	1.7	1493.410
Pd	105	1	He	0.074883	15.4	1030.060
Ag	107	1	He	0.069233	12.8	2790.250
Cd	111	1	He	0.010838	56.1	57.887
Sn	118	1	He	0.031395	10.6	600.017
Sb	121	1	He	0.012417	27.6	315.007
Ba	138	1	He	7.474317	1.0	317933.720
Pt	195	1	He	0.006001	57.6	193.340
Hg	202	1	He	0.008673	83.8	153.337
Tl	205	1	He	0.000375	627.5	850.030
Pb	206	1	He	0.013750	29.8	373.343
Pb	207	1	He	0.010630	98.9	1226.730
Pb	208	1	He	0.013621	25.4	2436.773
Bi	209	1	He	0.003902	35.7	1966.830
Th	232	1	He	0.004513	20.6	446.680
U	238	1	He	2.395037	0.9	209995.160

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	111.6708591	1221262.667
Sc	45	2	H2	108.7562091	7289027.833
Ge	72	1	He	108.3465150	733659.170
Ge	72	2	H2	109.0296432	1977638.000
In	115	1	He	103.0947011	7514978.413
Tb	159	1	He	105.2590870	17043782.250
Ir	193	1	He	102.8148532	8037265.297

Sample Name	4319181_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	034SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:12:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	152.757174	0.3	123053.393
Be	9	2	H2	98.310764	1.6	67530.937
B	11	2	H2	1625.151246	1.9	1175750.347
Na	23	1	He	372194.4707	4.1	791135908.210
Mg	24	1	He	76920.26570	4.5	90815428.647
Al	27	1	He	2092.728486	3.9	1338588.167
Si	28	2	H2	15045.89240	4.3	70264062.667
K	39	1	He	8116.665476	4.0	14416621.870
Ca	43	1	He	181995.7318	4.3	982705.453
Ca	44	1	He	179743.3572	4.6	16251980.793
Ti	47	1	He	102.496872	4.2	59421.637
V	51	1	He	119.594779	4.1	1638304.063
Cr	52	1	He	134.189806	4.5	2200324.500
Mn	55	1	He	102.780125	4.6	1273857.583
Fe	56	1	He	2051.687075	4.6	30766127.333
Co	59	1	He	106.469416	5.0	2445860.667
Ni	60	1	He	105.389091	5.0	593475.560
Cu	63	1	He	102.314155	5.5	1482633.503
Zn	66	1	He	102.640908	4.4	306842.687
As	75	1	He	112.429702	4.7	275357.143
Se	78	2	H2	106.807467	0.8	128250.617
Sr	88	1	He	2683.103560	4.3	50625429.247
Mo	95	1	He	109.691124	5.1	993075.793
Pd	105	1	He	20.700149	5.0	249283.023
Ag	107	1	He	46.302085	0.3	1113371.493
Cd	111	1	He	102.493256	4.1	468286.447
Sn	118	1	He	106.646405	3.0	1279876.283
Sb	121	1	He	103.909857	4.5	1626242.893
Ba	138	1	He	135.235054	4.9	5378626.377
Pt	195	1	He	20.261868	3.5	300091.093
Hg	202	1	He	0.016543	24.3	203.343
Tl	205	1	He	97.507366	5.1	5273162.840
Pb	206	1	He	98.125751	3.9	1802841.483
Pb	207	1	He	99.319789	2.3	1525127.427
Pb	208	1	He	97.603634	3.9	7072749.893
Bi	209	1	He	96.371912	5.5	5493164.500
Th	232	1	He	108.334591	5.7	8261638.003
U	238	1	He	113.449369	4.5	8852458.827

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	107.4208384	1174783.293
Sc	45	2	H2	100.9176105	6763671.500
Ge	72	1	He	102.3350487	692953.040
Ge	72	2	H2	102.2642883	1854924.373
In	115	1	He	93.74375922	6833351.463
Tb	159	1	He	98.60227366	15965896.430
Ir	193	1	He	91.65052931	7164525.310

Sample Name	4319182_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	035SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:16:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	151.461734	1.1	123081.913
Be	9	2	H2	98.087981	2.1	67959.733
B	11	2	H2	1607.198228	2.9	1173141.027
Na	23	1	He	356549.4454	0.7	786916174.940
Mg	24	1	He	73362.15558	1.1	89938111.993
Al	27	1	He	2085.954287	1.5	1385222.373
Si	28	2	H2	14786.26334	5.1	69643864.000
K	39	1	He	7838.432862	0.6	14460099.367
Ca	43	1	He	174727.7815	0.9	979633.787
Ca	44	1	He	172104.5358	0.7	16159205.813
Ti	47	1	He	100.030526	1.8	60212.943
V	51	1	He	115.996520	2.3	1649680.103
Cr	52	1	He	130.877310	1.7	2228295.583
Mn	55	1	He	104.137041	0.8	1340279.667
Fe	56	1	He	2657.952895	3.7	41377677.333
Co	59	1	He	104.811630	2.6	2482194.000
Ni	60	1	He	292.870644	4.2	1698352.123
Cu	63	1	He	100.454727	1.4	1501010.333
Zn	66	1	He	100.765755	2.1	310498.687
As	75	1	He	110.879514	1.5	279954.470
Se	78	2	H2	105.205758	1.6	127531.803
Sr	88	1	He	2581.852451	1.5	50696704.243
Mo	95	1	He	108.078981	1.1	1008876.210
Pd	105	1	He	20.076336	1.8	251657.603
Ag	107	1	He	45.228433	2.2	1130624.647
Cd	111	1	He	100.118986	1.0	476037.783
Sn	118	1	He	103.998644	1.6	1298416.333
Sb	121	1	He	100.327832	1.9	1634147.840
Ba	138	1	He	133.467178	1.2	5452328.670
Pt	195	1	He	19.930206	1.7	303054.827
Hg	202	1	He	0.016874	42.0	210.007
Tl	205	1	He	95.725864	1.3	5317391.797
Pb	206	1	He	95.812212	1.1	1807502.373
Pb	207	1	He	96.859433	2.1	1526664.197
Pb	208	1	He	95.543607	1.5	7109450.263
Bi	209	1	He	94.124917	1.4	5511618.253
Th	232	1	He	106.424977	1.5	8356996.127
U	238	1	He	110.471683	0.6	8873369.870

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	111.4126662	1218439.000
Sc	45	2	H2	101.7885894	6822046.000
Ge	72	1	He	105.3487652	713360.163
Ge	72	2	H2	103.2389422	1872603.167
In	115	1	He	97.44844011	7103400.230
Tb	159	1	He	101.1440473	16377466.007
Ir	193	1	He	94.23062849	7366217.390

Sample Name	10607340002_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	036SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:20:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	63.454285	1.8	51341.853
Be	9	2	H2	0.035716	10.1	31.167
B	11	2	H2	217.923046	2.3	160922.553
Na	23	1	He	82093.11935	1.9	176672084.033
Mg	24	1	He	78257.93310	0.9	93545088.610
Al	27	1	He	34.581595	0.6	22665.790
Si	28	2	H2	13405.77311	4.7	62828772.000
K	39	1	He	11882.96179	1.1	21298458.850
Ca	43	1	He	184527.0844	0.6	1008727.073
Ca	44	1	He	183520.4007	0.9	16800183.277
Ti	47	1	He	0.151772	8.3	92.667
V	51	1	He	6.922624	2.0	94139.240
Cr	52	1	He	6.545629	0.3	109262.907
Mn	55	1	He	0.731090	2.3	10224.250
Fe	56	1	He	5.080917	0.8	96428.353
Co	59	1	He	0.062686	5.9	1574.743
Ni	60	1	He	0.335913	3.8	2865.570
Cu	63	1	He	0.295606	1.2	4694.630
Zn	66	1	He	3.384426	1.3	10505.770
As	75	1	He	3.138185	2.3	8086.830
Se	78	2	H2	3.854225	1.3	4648.277
Sr	88	1	He	2350.340062	1.2	46183164.310
Mo	95	1	He	1.322305	1.9	12177.700
Pd	105	1	He	0.354146	3.4	4477.357
Ag	107	1	He	0.238263	17.0	6864.780
Cd	111	1	He	0.037099	20.4	179.680
Sn	118	1	He	0.144482	7.7	1980.133
Sb	121	1	He	0.095550	8.3	1653.430
Ba	138	1	He	110.662330	1.7	4493868.680
Pt	195	1	He	0.011452	56.4	266.673
Hg	202	1	He	0.014340	70.7	190.007
Tl	205	1	He	0.046910	23.8	3378.730
Pb	206	1	He	0.050454	4.5	1045.047
Pb	207	1	He	0.045207	17.1	1713.440
Pb	208	1	He	0.050044	1.9	5022.003
Bi	209	1	He	0.018317	25.6	2716.960
Th	232	1	He	0.023020	11.2	1920.140
U	238	1	He	5.770222	1.4	478025.913

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	108.6215257	1187914.333
Sc	45	2	H2	101.2332445	6784825.833
Ge	72	1	He	103.7133703	702286.227
Ge	72	2	H2	102.3161186	1855864.500
In	115	1	He	97.50817109	7107754.257
Tb	159	1	He	100.5458768	16280608.927
Ir	193	1	He	97.16656329	7595725.930

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	037_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:23:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	86.217885	4.3	74943.173
Be	9	2	H2	85.194653	4.4	63093.077
B	11	2	H2	91.229556	5.7	74361.767
Na	23	1	He	2136.267373	1.3	4609214.830
Mg	24	1	He	2099.086674	1.8	2508923.083
Al	27	1	He	2012.712807	1.8	1301170.250
Si	28	2	H2	1038.756825	5.3	5241460.500
K	39	1	He	2038.125549	2.0	3767360.360
Ca	43	1	He	2081.513737	1.6	11372.327
Ca	44	1	He	2026.746505	1.4	185449.840
Ti	47	1	He	78.079523	0.8	45755.823
V	51	1	He	82.959326	1.7	1148048.810
Cr	52	1	He	82.154178	1.6	1361924.873
Mn	55	1	He	84.473386	0.7	1058610.377
Fe	56	1	He	1044.684430	1.2	15846002.333
Co	59	1	He	82.916434	1.3	2037321.083
Ni	60	1	He	84.227892	0.3	507533.040
Cu	63	1	He	86.052296	0.9	1334008.333
Zn	66	1	He	81.250016	0.3	259803.773
As	75	1	He	78.109897	0.5	204694.990
Se	78	2	H2	80.115362	0.5	102485.797
Sr	88	1	He	77.471676	0.7	1616675.080
Mo	95	1	He	79.668340	0.4	771516.107
Pd	105	1	He	81.933895	0.5	1091187.197
Ag	107	1	He	41.735420	3.5	1108542.717
Cd	111	1	He	81.899141	1.4	413760.673
Sn	118	1	He	79.604816	0.6	1056135.037
Sb	121	1	He	77.269257	0.4	1337389.303
Ba	138	1	He	79.688789	0.8	3389937.240
Pt	195	1	He	81.646820	0.9	1292599.563
Hg	202	1	He	3.616371	4.3	28946.577
Tl	205	1	He	39.902788	0.7	2308644.703
Pb	206	1	He	80.699373	1.6	1585185.913
Pb	207	1	He	85.327081	0.4	1400654.927
Pb	208	1	He	82.304163	0.9	6377464.747
Bi	209	1	He	83.833205	2.5	5111337.110
Th	232	1	He	77.441501	1.0	6755638.857
U	238	1	He	76.289076	0.7	6807119.063

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	108.4609630	1186158.377
Sc	45	2	H2	108.7402416	7287957.667
Ge	72	1	He	109.2869354	740027.147
Ge	72	2	H2	108.9529948	1976247.710
In	115	1	He	103.5405570	7547478.603
Tb	159	1	He	105.3237065	17054245.580
Ir	193	1	He	104.6757418	8182735.087

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	038_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:27:14
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.146557	26.5	209.500
Be	9	2	H2	0.035374	9.8	34.333
B	11	2	H2	6.710564	6.6	8868.963
Na	23	1	He	17.823008	2.9	59352.813
Mg	24	1	He	0.199146	41.9	4253.857
Al	27	1	He	0.183071	46.7	406.670
Si	28	2	H2	0.785339	24.1	18424.600
K	39	1	He	1.967827	49.2	152394.610
Ca	43	1	He	3.477051	25.3	31.483
Ca	44	1	He	2.724473	12.0	466.370
Ti	47	1	He	0.015949	124.8	13.333
V	51	1	He	0.021524	153.5	-1721.020
Cr	52	1	He	0.004176	75.2	717.350
Mn	55	1	He	-0.052015		414.677
Fe	56	1	He	-0.161859		17285.607
Co	59	1	He	0.001948	35.9	166.667
Ni	60	1	He	-0.095260		426.677
Cu	63	1	He	0.068849	9.6	1432.063
Zn	66	1	He	0.006904	82.2	280.667
As	75	1	He	0.022335	36.4	368.500
Se	78	2	H2	0.007231	66.8	29.667
Sr	88	1	He	0.042205	7.8	1165.050
Mo	95	1	He	0.010267	21.2	126.667
Pd	105	1	He	0.008255	18.4	153.333
Ag	107	1	He	0.209526	18.2	6764.757
Cd	111	1	He	0.008214	67.8	46.630
Sn	118	1	He	0.017230	8.1	430.010
Sb	121	1	He	0.004518	81.5	186.670
Ba	138	1	He	0.007677	23.2	505.013
Pt	195	1	He	0.005757	40.2	193.340
Hg	202	1	He	0.028760	11.5	320.010
Tl	205	1	He	0.046840	17.9	3608.783
Pb	206	1	He	0.013028	25.8	366.673
Pb	207	1	He	0.013318	24.5	1296.737
Pb	208	1	He	0.011785	1.0	2341.767
Bi	209	1	He	0.007928	30.4	2256.863
Th	232	1	He	0.008550	6.6	833.363
U	238	1	He	0.004820	13.0	543.350

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	111.2342386	1216487.667
Sc	45	2	H2	112.5211629	7541361.500
Ge	72	1	He	109.2703672	739914.957
Ge	72	2	H2	111.9153529	2029980.547
In	115	1	He	107.3195897	7822947.170
Tb	159	1	He	107.4029998	17390929.323
Ir	193	1	He	108.0987342	8450317.997

Sample Name	10607340003_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	039SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:30:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	46.645973	0.2	35708.383
Be	9	2	H2	0.033669	8.6	28.167
B	11	2	H2	888.364537	2.3	611446.553
Na	23	1	He	246147.0493	1.2	505736285.800
Mg	24	1	He	120803.0091	1.1	137870987.947
Al	27	1	He	6.134926	1.9	4058.117
Si	28	2	H2	14551.70858	4.0	64481421.333
K	39	1	He	6216.891562	1.1	10705267.340
Ca	43	1	He	351415.6322	1.4	1834168.343
Ca	44	1	He	349438.6065	1.6	30542368.603
Ti	47	1	He	0.176992	9.8	102.667
V	51	1	He	8.244915	3.9	107403.390
Cr	52	1	He	4.642431	2.0	74164.430
Mn	55	1	He	9.760626	1.1	117861.573
Fe	56	1	He	4.643266	1.8	85731.483
Co	59	1	He	0.256692	3.0	5680.243
Ni	60	1	He	0.817768	3.3	5230.783
Cu	63	1	He	2.323053	0.9	32150.660
Zn	66	1	He	16.789313	1.8	47636.900
As	75	1	He	2.901226	1.8	6984.703
Se	78	2	H2	6.519896	2.0	7428.897
Sr	88	1	He	4739.814998	0.7	87701255.357
Mo	95	1	He	0.898797	1.2	7718.440
Pd	105	1	He	0.680129	4.8	8065.430
Ag	107	1	He	0.075381	14.1	2630.230
Cd	111	1	He	0.062052	15.4	281.023
Sn	118	1	He	0.190556	2.1	2406.863
Sb	121	1	He	0.123128	3.1	1980.133
Ba	138	1	He	51.204503	0.4	1965200.907
Pt	195	1	He	0.011278	38.0	250.010
Hg	202	1	He	0.022798	37.6	240.007
Tl	205	1	He	0.031238	21.7	2378.540
Pb	206	1	He	0.077948	8.1	1475.087
Pb	207	1	He	0.074333	3.4	2050.157
Pb	208	1	He	0.077959	3.4	6697.253
Bi	209	1	He	0.017265	13.3	2510.260
Th	232	1	He	0.014223	4.8	1116.720
U	238	1	He	7.744058	0.4	592802.153

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.7175304	1134282.917
Sc	45	2	H2	95.78972039	6419991.500
Ge	72	1	He	96.60771914	654170.917
Ge	72	2	H2	96.83892846	1756516.293
In	115	1	He	91.82032438	6693144.730
Tb	159	1	He	95.01569772	15385150.187
Ir	193	1	He	89.79126911	7019182.813

Sample Name	10607340004_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	040SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:34:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	60.489063	0.3	47171.723
Be	9	2	H2	0.053712	25.4	42.000
B	11	2	H2	1199.012011	1.8	839980.143
Na	23	1	He	324368.1456	1.3	686718283.100
Mg	24	1	He	111275.3220	2.0	130855308.050
Al	27	1	He	4.924952	1.1	3411.323
Si	28	2	H2	13173.76119	3.4	59496892.000
K	39	1	He	6816.786877	0.7	12081784.403
Ca	43	1	He	276500.6679	1.8	1487032.350
Ca	44	1	He	273127.9796	1.2	24599081.453
Ti	47	1	He	0.153177	12.0	92.000
V	51	1	He	8.373534	0.6	112443.390
Cr	52	1	He	30.438639	1.6	497615.803
Mn	55	1	He	0.280950	1.7	4505.910
Fe	56	1	He	5.033713	2.3	94165.467
Co	59	1	He	0.104965	3.2	2434.843
Ni	60	1	He	0.756869	3.0	5009.380
Cu	63	1	He	0.541315	0.4	7901.090
Zn	66	1	He	19.809522	1.3	57336.347
As	75	1	He	3.481261	2.7	8499.520
Se	78	2	H2	4.898948	2.0	5671.580
Sr	88	1	He	3806.019152	1.1	72574312.250
Mo	95	1	He	0.767860	3.2	6734.710
Pd	105	1	He	0.601766	6.7	7358.377
Ag	107	1	He	0.033551	15.6	1695.103
Cd	111	1	He	0.036417	8.8	171.313
Sn	118	1	He	0.081050	11.6	1153.383
Sb	121	1	He	0.074111	5.7	1265.060
Ba	138	1	He	39.675877	1.7	1569958.153
Pt	195	1	He	0.009193	34.5	226.673
Hg	202	1	He	0.025337	20.5	266.677
Tl	205	1	He	0.012401	16.9	1438.413
Pb	206	1	He	0.040976	2.4	845.030
Pb	207	1	He	0.030361	23.5	1443.410
Pb	208	1	He	0.037511	3.1	3990.217
Bi	209	1	He	0.020603	15.8	2776.973
Th	232	1	He	0.016568	8.6	1320.067
U	238	1	He	3.148269	1.2	246206.857

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	106.8738433	1168801.207
Sc	45	2	H2	97.62343946	6542890.500
Ge	72	1	He	98.62412155	667824.813
Ge	72	2	H2	98.31380851	1783268.457
In	115	1	He	94.63051256	6897990.403
Tb	159	1	He	97.96669834	15862982.680
Ir	193	1	He	91.71285963	7169397.810

Sample Name	10607340005_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	041SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:38:07
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	35.535064	0.7	27876.997
Be	9	2	H2	0.022365	38.1	21.333
B	11	2	H2	1106.482137	2.2	779266.370
Na	23	1	He	293379.7753	4.6	603607871.003
Mg	24	1	He	57560.52573	4.5	65787562.350
Al	27	1	He	7.222261	3.7	4738.277
Si	28	2	H2	16016.51364	4.3	72721482.667
K	39	1	He	4308.917872	4.8	7472508.637
Ca	43	1	He	186997.9247	4.1	977517.380
Ca	44	1	He	186736.0975	4.6	16344297.120
Ti	47	1	He	0.200116	4.4	116.000
V	51	1	He	12.021860	3.8	157732.710
Cr	52	1	He	34.357630	4.1	545860.207
Mn	55	1	He	0.727009	4.8	9727.303
Fe	56	1	He	8.246508	4.9	138136.660
Co	59	1	He	0.139308	1.9	3162.953
Ni	60	1	He	0.664814	4.8	4457.233
Cu	63	1	He	0.340611	2.3	5037.390
Zn	66	1	He	1.936810	5.9	5746.270
As	75	1	He	4.529304	5.1	10842.290
Se	78	2	H2	3.871219	1.1	4494.910
Sr	88	1	He	1956.644703	5.0	36649122.787
Mo	95	1	He	1.266738	7.1	10953.517
Pd	105	1	He	0.301444	10.2	3633.793
Ag	107	1	He	0.012976	33.0	1175.050
Cd	111	1	He	0.016199	9.8	76.710
Sn	118	1	He	0.111564	8.8	1495.083
Sb	121	1	He	0.053301	5.0	920.033
Ba	138	1	He	35.191803	2.9	1369600.603
Pt	195	1	He	0.014422	20.9	300.010
Hg	202	1	He	0.010161	95.7	150.003
Tl	205	1	He	0.005707	20.4	1061.710
Pb	206	1	He	0.020583	28.9	463.347
Pb	207	1	He	0.021444	22.1	1285.067
Pb	208	1	He	0.020419	4.7	2713.453
Bi	209	1	He	0.007785	18.8	2016.847
Th	232	1	He	0.005227	3.9	455.010
U	238	1	He	6.067895	2.2	476382.610

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.9806725	1137160.710
Sc	45	2	H2	98.09256601	6574332.167
Ge	72	1	He	97.57538401	660723.377
Ge	72	2	H2	98.50358642	1786710.750
In	115	1	He	93.06654142	6783986.393
Tb	159	1	He	96.40761365	15610532.267
Ir	193	1	He	92.10947589	7200402.183

Sample Name	10607340006_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	042SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:41:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	40.720847	1.1	31803.657
Be	9	2	H2	0.063637	16.4	48.667
B	11	2	H2	992.121507	1.8	696091.577
Na	23	1	He	274555.3450	0.7	574976711.433
Mg	24	1	He	57794.97811	1.3	67232525.667
Al	27	1	He	6.956091	2.7	4653.590
Si	28	2	H2	15429.49153	4.8	69761398.667
K	39	1	He	4367.111289	0.5	7707018.637
Ca	43	1	He	167439.1713	0.8	890785.130
Ca	44	1	He	167292.2686	1.5	14904102.807
Ti	47	1	He	0.174669	21.8	103.333
V	51	1	He	11.541983	2.6	154034.450
Cr	52	1	He	27.410311	0.4	443339.373
Mn	55	1	He	0.680285	2.3	9329.767
Fe	56	1	He	10.702254	1.6	176862.873
Co	59	1	He	0.092019	3.7	2186.810
Ni	60	1	He	0.436147	1.7	3329.650
Cu	63	1	He	0.400558	1.2	6041.700
Zn	66	1	He	3.469034	3.4	10421.717
As	75	1	He	4.101991	0.7	10150.050
Se	78	2	H2	4.132817	0.9	4820.660
Sr	88	1	He	1936.268883	0.3	37143351.947
Mo	95	1	He	1.292382	2.2	11528.890
Pd	105	1	He	0.297992	1.7	3683.803
Ag	107	1	He	0.010848	12.6	1151.717
Cd	111	1	He	0.060595	32.8	284.880
Sn	118	1	He	0.165563	6.0	2190.167
Sb	121	1	He	0.065008	9.7	1128.383
Ba	138	1	He	31.573898	0.9	1265041.727
Pt	195	1	He	0.010112	46.8	243.340
Hg	202	1	He	0.010282	63.7	156.670
Tl	205	1	He	0.011253	16.2	1393.410
Pb	206	1	He	0.064115	19.4	1283.400
Pb	207	1	He	0.059878	9.2	1916.800
Pb	208	1	He	0.062085	10.6	5832.110
Bi	209	1	He	0.045486	6.9	4240.660
Th	232	1	He	0.015983	1.7	1310.070
U	238	1	He	6.072052	0.8	487811.570

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.7133394	1156109.623
Sc	45	2	H2	97.68929125	6547304.000
Ge	72	1	He	100.4455957	680158.770
Ge	72	2	H2	98.99513457	1795626.713
In	115	1	He	95.19274603	6938973.813
Tb	159	1	He	99.18711987	16060596.010
Ir	193	1	He	94.23088962	7366237.803

Sample Name	10607340007_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	043SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:45:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	28.343458	0.4	22081.370
Be	9	2	H2	0.024237	9.7	22.333
B	11	2	H2	792.181559	4.1	554978.457
Na	23	1	He	188492.8968	4.1	377144487.713
Mg	24	1	He	50280.70819	3.8	55888450.833
Al	27	1	He	5.324364	3.6	3464.663
Si	28	2	H2	15581.39281	4.9	70229644.000
K	39	1	He	3737.951622	3.8	6322409.283
Ca	43	1	He	177196.4842	3.1	900863.970
Ca	44	1	He	176584.8538	3.7	15031974.173
Ti	47	1	He	0.161298	30.8	92.000
V	51	1	He	12.195745	3.8	155609.363
Cr	52	1	He	20.984459	3.8	324419.357
Mn	55	1	He	0.594742	3.2	7919.090
Fe	56	1	He	5.786657	3.5	99646.077
Co	59	1	He	0.061275	7.6	1441.400
Ni	60	1	He	0.404636	2.0	3052.937
Cu	63	1	He	0.294223	3.9	4375.217
Zn	66	1	He	6.885618	3.1	19772.237
As	75	1	He	5.537866	3.8	13145.660
Se	78	2	H2	3.412184	3.1	3954.780
Sr	88	1	He	1544.018460	4.1	28957589.567
Mo	95	1	He	1.246342	4.0	10753.410
Pd	105	1	He	0.238893	10.4	2890.303
Ag	107	1	He	0.006296	76.6	1020.043
Cd	111	1	He	0.024993	22.1	116.770
Sn	118	1	He	0.131286	12.7	1735.110
Sb	121	1	He	0.049266	9.9	860.030
Ba	138	1	He	41.072642	3.0	1609065.393
Pt	195	1	He	0.012326	44.7	270.010
Hg	202	1	He	0.012755	110.8	173.340
Tl	205	1	He	0.003394	21.8	945.037
Pb	206	1	He	0.035361	10.7	736.693
Pb	207	1	He	0.029200	20.7	1410.077
Pb	208	1	He	0.033420	2.2	3660.193
Bi	209	1	He	0.020626	10.8	2750.297
Th	232	1	He	0.007141	7.8	606.687
U	238	1	He	4.827040	2.1	381936.077

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.0931402	1105581.877
Sc	45	2	H2	97.35165691	6524675.167
Ge	72	1	He	97.16502514	657944.667
Ge	72	2	H2	98.29689718	1782961.710
In	115	1	He	93.14776267	6789906.930
Tb	159	1	He	97.03914122	15712790.597
Ir	193	1	He	92.83165278	7256856.353

Sample Name	10607340008_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	044SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:48:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	28.831038	0.7	22311.643
Be	9	2	H2	0.051307	9.3	40.000
B	11	2	H2	696.695898	2.0	484735.030
Na	23	1	He	175233.0129	0.7	357007701.347
Mg	24	1	He	50793.60998	1.5	57480149.143
Al	27	1	He	8.875715	2.7	5703.217
Si	28	2	H2	15124.10410	4.6	67728881.333
K	39	1	He	3621.718532	0.9	6241147.200
Ca	43	1	He	178686.9271	0.5	924773.380
Ca	44	1	He	177695.3361	1.0	15400122.257
Ti	47	1	He	0.167824	21.7	96.667
V	51	1	He	12.367656	1.6	160708.763
Cr	52	1	He	13.202563	0.7	208037.913
Mn	55	1	He	0.709435	0.4	9422.470
Fe	56	1	He	3.488001	0.7	68414.677
Co	59	1	He	0.075864	4.4	1794.097
Ni	60	1	He	0.301278	6.0	2544.190
Cu	63	1	He	0.297148	1.8	4498.577
Zn	66	1	He	3.588363	1.4	10607.157
As	75	1	He	5.303491	1.2	12839.103
Se	78	2	H2	3.532226	2.2	4099.147
Sr	88	1	He	1599.667833	0.5	30144271.217
Mo	95	1	He	1.104667	2.7	9704.443
Pd	105	1	He	0.218900	3.9	2666.933
Ag	107	1	He	0.003963	70.7	966.700
Cd	111	1	He	0.034469	30.5	160.420
Sn	118	1	He	0.090174	5.3	1248.390
Sb	121	1	He	0.052981	1.6	920.030
Ba	138	1	He	35.694486	1.0	1410899.300
Pt	195	1	He	0.015324	22.3	316.677
Hg	202	1	He	0.005176	116.8	116.667
Tl	205	1	He	0.012699	15.8	1451.747
Pb	206	1	He	0.061974	9.1	1226.727
Pb	207	1	He	0.057334	12.4	1851.793
Pb	208	1	He	0.061389	4.5	5703.760
Bi	209	1	He	0.040734	10.8	3913.897
Th	232	1	He	0.016124	5.5	1313.403
U	238	1	He	3.879474	0.2	309875.203

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.8393477	1124678.873
Sc	45	2	H2	96.69705565	6480802.667
Ge	72	1	He	98.89588899	669665.063
Ge	72	2	H2	98.44050249	1785566.500
In	115	1	He	93.51358062	6816572.840
Tb	159	1	He	97.85943747	15845614.763
Ir	193	1	He	93.67879140	7323079.060

Sample Name	10607546001_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	045SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:52:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	58.481397	1.7	44798.057
Be	9	2	H2	0.021498	29.9	20.333
B	11	2	H2	120.672413	4.6	85726.490
Na	23	1	He	63631.16888	0.7	128805968.083
Mg	24	1	He	93991.61841	0.6	105676291.760
Al	27	1	He	4.870025	1.3	3227.620
Si	28	2	H2	14333.63163	5.3	63598396.000
K	39	1	He	4643.374886	1.0	7911285.713
Ca	43	1	He	217182.9090	0.1	1116709.073
Ca	44	1	He	216523.5443	1.2	18643660.350
Ti	47	1	He	0.154461	5.3	88.667
V	51	1	He	8.109770	1.5	104048.547
Cr	52	1	He	11.481224	0.8	179819.707
Mn	55	1	He	2.230906	1.5	27304.533
Fe	56	1	He	12.241122	0.2	192891.820
Co	59	1	He	0.064583	3.6	1534.073
Ni	60	1	He	0.267757	4.0	2347.500
Cu	63	1	He	0.785705	3.5	11280.893
Zn	66	1	He	3.798796	1.5	11147.483
As	75	1	He	3.569520	0.2	8679.940
Se	78	2	H2	4.134789	1.2	4732.973
Sr	88	1	He	2579.056869	0.9	48617485.940
Mo	95	1	He	0.841245	2.2	7351.590
Pd	105	1	He	0.392298	2.1	4754.080
Ag	107	1	He	-0.001647		831.697
Cd	111	1	He	0.010502	35.7	51.127
Sn	118	1	He	0.144258	5.2	1896.787
Sb	121	1	He	0.056262	9.9	971.703
Ba	138	1	He	75.244777	0.6	2988942.873
Pt	195	1	He	0.011155	25.8	256.673
Hg	202	1	He	0.002413	29.2	96.667
Tl	205	1	He	-0.000409		751.693
Pb	206	1	He	0.018533	3.3	436.677
Pb	207	1	He	0.024473	5.9	1358.403
Pb	208	1	He	0.020508	5.1	2775.123
Bi	209	1	He	0.015592	18.1	2503.577
Th	232	1	He	0.008655	9.3	736.693
U	238	1	He	6.136224	0.8	494600.437

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.1701756	1117360.627
Sc	45	2	H2	95.84926328	6423982.167
Ge	72	1	He	98.29566975	665600.730
Ge	72	2	H2	97.14852237	1762131.873
In	115	1	He	93.55277346	6819429.760
Tb	159	1	He	98.34546306	15924313.093
Ir	193	1	He	94.54369525	7390690.513

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	046_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:56:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	83.504503	4.6	68846.330
Be	9	2	H2	82.783250	4.1	58150.800
B	11	2	H2	90.428203	5.7	69931.340
Na	23	1	He	2101.256602	1.2	4297178.163
Mg	24	1	He	2062.031787	1.3	2336021.320
Al	27	1	He	2023.298090	0.8	1239764.003
Si	28	2	H2	1013.711454	4.6	4850966.833
K	39	1	He	2003.536708	0.7	3512565.887
Ca	43	1	He	2035.698835	1.0	10541.607
Ca	44	1	He	2029.679987	1.6	176020.343
Ti	47	1	He	77.391661	1.1	42985.117
V	51	1	He	82.315816	0.8	1079672.477
Cr	52	1	He	82.765753	0.2	1300479.043
Mn	55	1	He	83.964821	0.5	997304.123
Fe	56	1	He	1038.641918	1.6	14931030.667
Co	59	1	He	82.157374	0.8	1902081.167
Ni	60	1	He	83.485607	0.6	474012.270
Cu	63	1	He	86.041189	0.9	1256804.083
Zn	66	1	He	81.501612	0.8	245546.277
As	75	1	He	77.995300	0.5	192585.000
Se	78	2	H2	78.123973	0.8	95641.507
Sr	88	1	He	77.352465	1.3	1538629.560
Mo	95	1	He	81.177440	0.8	740691.787
Pd	105	1	He	82.361464	0.9	1045576.263
Ag	107	1	He	41.071787	3.1	1040089.230
Cd	111	1	He	80.757371	1.0	388932.020
Sn	118	1	He	79.477679	0.4	1005132.590
Sb	121	1	He	76.811971	1.4	1267261.830
Ba	138	1	He	79.719659	1.1	3265696.723
Pt	195	1	He	82.540157	0.3	1258396.960
Hg	202	1	He	3.802256	4.0	29323.823
Tl	205	1	He	40.027874	0.2	2230301.580
Pb	206	1	He	81.014037	2.0	1532419.250
Pb	207	1	He	85.669971	1.5	1354058.990
Pb	208	1	He	81.959890	1.6	6115489.340
Bi	209	1	He	83.115721	1.2	4880786.697
Th	232	1	He	77.487317	1.2	6552710.527
U	238	1	He	76.066687	1.0	6579560.530

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.7951065	1124195.040
Sc	45	2	H2	103.1632980	6914181.333
Ge	72	1	He	102.9718310	697264.957
Ge	72	2	H2	104.2675857	1891261.253
In	115	1	He	98.70018234	7194644.647
Tb	159	1	He	101.4284097	16423510.587
Ir	193	1	He	101.4735786	7932414.883

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	047_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:59:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.116884	4.4	173.000
Be	9	2	H2	0.015734	13.0	18.333
B	11	2	H2	7.208050	9.3	8795.560
Na	23	1	He	24.554621	6.8	68850.337
Mg	24	1	He	-0.010306		3705.413
Al	27	1	He	0.160783	48.6	363.333
Si	28	2	H2	0.988044	45.1	18422.423
K	39	1	He	5.772913	82.9	147838.107
Ca	43	1	He	3.416944	57.2	28.687
Ca	44	1	He	2.762858	36.0	434.823
Ti	47	1	He	0.004612	77.9	6.000
V	51	1	He	-0.101976		-3223.500
Cr	52	1	He	0.005402	48.7	685.350
Mn	55	1	He	-0.067422		200.667
Fe	56	1	He	-0.149876		16217.280
Co	59	1	He	-0.000198		106.000
Ni	60	1	He	-0.111566		306.667
Cu	63	1	He	0.027900	9.2	744.020
Zn	66	1	He	-0.008127		216.667
As	75	1	He	0.024185	25.7	348.167
Se	78	2	H2	0.009459	31.3	31.333
Sr	88	1	He	0.040525	13.2	1053.377
Mo	95	1	He	0.004151	42.4	63.333
Pd	105	1	He	0.007764	33.8	136.667
Ag	107	1	He	0.221665	19.1	6609.677
Cd	111	1	He	0.004762	31.8	26.650
Sn	118	1	He	0.014079	39.3	360.010
Sb	121	1	He	0.003429	29.6	156.667
Ba	138	1	He	0.006239	25.7	420.010
Pt	195	1	He	0.008824	54.5	230.007
Hg	202	1	He	0.025585	18.5	280.010
Tl	205	1	He	0.046416	25.1	3398.727
Pb	206	1	He	0.004018	36.9	176.667
Pb	207	1	He	0.012105	52.6	1215.060
Pb	208	1	He	0.006454	28.4	1826.737
Bi	209	1	He	0.005585	21.5	2010.177
Th	232	1	He	0.006998	7.9	648.353
U	238	1	He	0.003855	12.5	426.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.3688548	1130469.707
Sc	45	2	H2	106.7191877	7152503.167
Ge	72	1	He	101.9647603	690445.663
Ge	72	2	H2	107.5171910	1950204.333
In	115	1	He	100.3765978	7316845.170
Tb	159	1	He	102.2847675	16562173.920
Ir	193	1	He	101.2211951	7912685.503

Sample Name	10607546002_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	048SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:03:22
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	19.237529	4.5	15685.350
Be	9	2	H2	0.049248	12.6	40.667
B	11	2	H2	50.617285	5.4	39953.037
Na	23	1	He	23334.76010	2.2	47724855.957
Mg	24	1	He	31542.60223	1.8	35825397.797
Al	27	1	He	38.582099	2.1	23995.117
Si	28	2	H2	4997.677823	7.1	23532753.333
K	39	1	He	4787.443164	1.8	8235232.587
Ca	43	1	He	79481.66846	1.2	412841.890
Ca	44	1	He	79571.28715	2.3	6920746.817
Ti	47	1	He	0.182785	36.7	105.333
V	51	1	He	5.803685	4.7	74663.390
Cr	52	1	He	9.830594	2.1	155612.270
Mn	55	1	He	131.146681	1.7	1563371.540
Fe	56	1	He	14.912164	1.8	233370.277
Co	59	1	He	0.658508	1.5	15011.600
Ni	60	1	He	0.972779	3.0	6308.460
Cu	63	1	He	0.334533	1.2	5112.077
Zn	66	1	He	4.327380	1.1	12970.043
As	75	1	He	2.420833	1.5	6119.887
Se	78	2	H2	1.251963	1.2	1522.737
Sr	88	1	He	945.759054	0.7	18518616.390
Mo	95	1	He	1.044208	0.7	9339.267
Pd	105	1	He	0.142777	6.9	1820.133
Ag	107	1	He	0.057674	12.7	2341.847
Cd	111	1	He	0.031778	18.5	153.863
Sn	118	1	He	0.165503	3.4	2235.170
Sb	121	1	He	0.189226	5.3	3168.663
Ba	138	1	He	24.664368	0.7	998620.167
Pt	195	1	He	0.011485	11.6	266.677
Hg	202	1	He	0.027172	26.4	286.677
Tl	205	1	He	0.031159	8.5	2503.553
Pb	206	1	He	0.053050	14.3	1090.053
Pb	207	1	He	0.052931	8.8	1828.457
Pb	208	1	He	0.053384	4.7	5252.040
Bi	209	1	He	0.026036	13.2	3157.060
Th	232	1	He	0.018464	6.4	1575.097
U	238	1	He	1.195773	1.8	100616.280

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.2177064	1128816.707
Sc	45	2	H2	101.6325479	6811587.833
Ge	72	1	He	100.6641645	681638.790
Ge	72	2	H2	102.3448810	1856386.207
In	115	1	He	97.16645144	7082844.967
Tb	159	1	He	100.2294620	16229374.343
Ir	193	1	He	98.62370924	7709634.263

Sample Name	10607546003_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	049SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:06:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	31.887970	1.3	24412.063
Be	9	2	H2	0.020515	12.0	19.500
B	11	2	H2	840.057665	2.6	578083.167
Na	23	1	He	186297.4890	0.3	378019074.367
Mg	24	1	He	51560.54500	0.7	58116009.133
Al	27	1	He	4.762360	3.4	3169.607
Si	28	2	H2	15035.20103	4.5	66629064.000
K	39	1	He	3971.885522	0.6	6804130.107
Ca	43	1	He	194086.3300	0.3	1000450.193
Ca	44	1	He	194344.8212	0.5	16775834.043
Ti	47	1	He	0.151721	16.2	87.333
V	51	1	He	10.437846	3.7	134795.897
Cr	52	1	He	42.464026	0.1	665125.310
Mn	55	1	He	0.271628	1.3	4208.503
Fe	56	1	He	3.462877	0.5	67778.973
Co	59	1	He	0.049201	5.0	1190.043
Ni	60	1	He	0.338759	3.2	2721.550
Cu	63	1	He	0.206734	1.4	3199.630
Zn	66	1	He	2.670028	2.2	7876.423
As	75	1	He	5.418646	0.4	12985.213
Se	78	2	H2	4.594009	1.2	5246.450
Sr	88	1	He	1517.255579	1.0	28510564.573
Mo	95	1	He	1.567027	5.8	13618.763
Pd	105	1	He	0.226469	8.8	2750.287
Ag	107	1	He	0.017278	27.4	1281.730
Cd	111	1	He	0.025167	17.9	117.580
Sn	118	1	He	0.054738	10.1	821.697
Sb	121	1	He	0.080926	14.1	1353.403
Ba	138	1	He	61.047031	1.5	2405442.360
Pt	195	1	He	0.009739	54.7	233.340
Hg	202	1	He	0.012831	86.7	173.337
Tl	205	1	He	0.001119	160.9	826.700
Pb	206	1	He	0.013712	21.6	345.010
Pb	207	1	He	0.006547	72.6	1075.047
Pb	208	1	He	0.011830	12.1	2130.080
Bi	209	1	He	0.001757	224.8	1700.123
Th	232	1	He	0.003671	32.8	336.673
U	238	1	He	4.418426	1.1	348154.580

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.4256935	1120155.040
Sc	45	2	H2	95.71159397	6414755.333
Ge	72	1	He	97.94697057	663239.543
Ge	72	2	H2	96.95191995	1758565.793
In	115	1	He	93.24835444	6797239.460
Tb	159	1	He	97.56330501	15797664.347
Ir	193	1	He	92.41633840	7224390.307

Sample Name	4319183_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	050SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:10:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	131.505305	1.1	100897.893
Be	9	2	H2	102.589014	1.6	67101.760
B	11	2	H2	953.463313	3.7	658506.473
Na	23	1	He	186281.3996	1.1	382463300.967
Mg	24	1	He	53472.34236	0.8	60986594.090
Al	27	1	He	2045.833756	0.6	1263907.833
Si	28	2	H2	15632.32226	5.3	69538177.333
K	39	1	He	6006.286554	0.3	10340085.473
Ca	43	1	He	195871.3306	0.1	1021641.090
Ca	44	1	He	194158.1504	0.6	16958574.180
Ti	47	1	He	100.594552	0.8	56330.527
V	51	1	He	116.661678	0.3	1543590.717
Cr	52	1	He	145.885447	0.5	2310738.000
Mn	55	1	He	102.180922	0.9	1223418.500
Fe	56	1	He	2050.669144	0.6	29706666.000
Co	59	1	He	105.066110	0.6	2338061.250
Ni	60	1	He	104.873173	0.7	572093.083
Cu	63	1	He	101.739882	1.4	1428337.420
Zn	66	1	He	102.883611	1.1	297873.970
As	75	1	He	111.323861	0.6	264095.210
Se	78	2	H2	110.073211	1.9	125214.277
Sr	88	1	He	1630.453993	0.9	30440061.217
Mo	95	1	He	109.884174	0.6	963726.263
Pd	105	1	He	20.190832	0.3	240645.200
Ag	107	1	He	46.346096	2.8	1101623.997
Cd	111	1	He	102.094220	1.1	461533.767
Sn	118	1	He	105.621621	0.3	1253853.237
Sb	121	1	He	102.051405	1.0	1580466.953
Ba	138	1	He	162.731751	0.6	6443456.360
Pt	195	1	He	20.239484	1.3	298299.170
Hg	202	1	He	0.014152	81.5	183.337
Tl	205	1	He	100.258772	0.9	5398094.920
Pb	206	1	He	99.075826	1.1	1811640.703
Pb	207	1	He	100.530897	2.2	1535677.113
Pb	208	1	He	98.771557	0.6	7123739.220
Bi	209	1	He	97.967377	1.6	5560326.377
Th	232	1	He	107.068294	0.5	8334090.710
U	238	1	He	106.618446	1.3	8488246.540

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.6418913	1133455.707
Sc	45	2	H2	96.08984699	6440106.500
Ge	72	1	He	98.97773698	670219.290
Ge	72	2	H2	96.88391317	1757332.250
In	115	1	He	92.65023417	6753640.120
Tb	159	1	He	98.03306250	15873728.510
Ir	193	1	He	93.40552723	7301717.393

Sample Name	10607546004_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	051SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:14:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	77.333483	2.0	60517.647
Be	9	2	H2	0.055437	17.4	43.333
B	11	2	H2	174.886722	3.2	125549.983
Na	23	1	He	136432.9572	1.1	286000069.070
Mg	24	1	He	101829.2589	0.8	118570914.900
Al	27	1	He	5.783574	3.6	3918.420
Si	28	2	H2	8608.450338	6.1	39041486.667
K	39	1	He	7552.520132	0.6	13238263.133
Ca	43	1	He	196875.7727	0.6	1048413.880
Ca	44	1	He	196081.1770	1.2	17485555.767
Ti	47	1	He	0.132627	9.5	79.333
V	51	1	He	6.635657	3.8	87813.120
Cr	52	1	He	5.244630	1.1	85404.187
Mn	55	1	He	355.872056	1.0	4347759.000
Fe	56	1	He	9.764803	0.4	163176.873
Co	59	1	He	0.667743	0.6	15114.360
Ni	60	1	He	1.821080	3.6	10930.003
Cu	63	1	He	0.221290	3.0	3471.680
Zn	66	1	He	23.618026	1.3	69240.763
As	75	1	He	2.152996	1.7	5436.327
Se	78	2	H2	3.070826	0.9	3607.703
Sr	88	1	He	2962.950013	0.4	56230169.163
Mo	95	1	He	7.768674	2.0	68828.267
Pd	105	1	He	0.443279	3.3	5404.293
Ag	107	1	He	0.228708	21.7	6402.963
Cd	111	1	He	0.043368	31.3	202.683
Sn	118	1	He	0.388000	2.4	4850.723
Sb	121	1	He	0.251572	4.0	4052.187
Ba	138	1	He	161.106715	1.1	6390887.613
Pt	195	1	He	0.014995	20.3	313.343
Hg	202	1	He	0.016749	17.4	203.340
Tl	205	1	He	0.043977	16.2	3145.340
Pb	206	1	He	0.053213	9.9	1071.713
Pb	207	1	He	0.047573	9.4	1710.107
Pb	208	1	He	0.052805	3.9	5105.350
Bi	209	1	He	0.047372	17.1	4304.023
Th	232	1	He	0.030796	9.1	2461.887
U	238	1	He	1.583633	0.5	126706.927

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.8176184	1157250.047
Sc	45	2	H2	97.93963299	6564082.333
Ge	72	1	He	99.95726840	676852.103
Ge	72	2	H2	99.57129503	1806077.420
In	115	1	He	94.17726282	6864951.247
Tb	159	1	He	98.21440219	15903091.430
Ir	193	1	He	93.80072568	7332610.933

Sample Name	10607546005_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	052SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:17:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	65.218254	1.0	48649.873
Be	9	2	H2	0.042558	9.0	33.167
B	11	2	H2	100.545083	3.0	70045.060
Na	23	1	He	80109.09644	0.7	158304734.310
Mg	24	1	He	125280.3140	1.6	137502574.617
Al	27	1	He	8.614766	1.7	5377.120
Si	28	2	H2	13606.12950	5.2	58826554.667
K	39	1	He	5586.400773	0.6	9264730.280
Ca	43	1	He	290257.0734	0.6	1456966.323
Ca	44	1	He	290019.1642	0.8	24378706.827
Ti	47	1	He	0.153471	13.8	86.000
V	51	1	He	7.675677	6.8	96052.683
Cr	52	1	He	37.035151	0.2	564964.750
Mn	55	1	He	3.664739	1.5	43165.290
Fe	56	1	He	7.246916	1.0	118720.050
Co	59	1	He	0.101431	6.9	2270.153
Ni	60	1	He	0.420667	3.1	3069.607
Cu	63	1	He	0.162854	2.3	2512.850
Zn	66	1	He	13.460646	1.3	37617.293
As	75	1	He	3.965674	1.1	9293.750
Se	78	2	H2	5.268251	2.5	5851.300
Sr	88	1	He	3746.775898	0.8	68452153.980
Mo	95	1	He	1.623998	3.5	13698.810
Pd	105	1	He	0.585310	3.6	6858.217
Ag	107	1	He	0.068491	3.1	2436.867
Cd	111	1	He	0.030069	42.6	135.887
Sn	118	1	He	0.126291	4.5	1630.093
Sb	121	1	He	0.066278	5.8	1093.380
Ba	138	1	He	73.387311	0.3	2847783.917
Pt	195	1	He	0.011327	33.5	253.340
Hg	202	1	He	0.008220	11.3	136.667
Tl	205	1	He	0.015125	15.8	1553.430
Pb	206	1	He	0.055479	3.9	1088.383
Pb	207	1	He	0.050981	7.5	1723.443
Pb	208	1	He	0.055256	1.4	5167.027
Bi	209	1	He	0.028285	8.7	3150.380
Th	232	1	He	0.018338	9.8	1441.753
U	238	1	He	6.659204	0.9	515701.843

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.74080894	1090792.417
Sc	45	2	H2	93.36737370	6257641.667
Ge	72	1	He	95.04098889	643561.937
Ge	72	2	H2	94.34290972	1711242.170
In	115	1	He	90.66118482	6608650.487
Tb	159	1	He	96.07204098	15556195.603
Ir	193	1	He	90.83547258	7100810.517

Sample Name	10607546006_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	053SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:21:27
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.634206	0.5	60852.737
Be	9	2	H2	0.029152	41.1	26.167
B	11	2	H2	139.819684	2.6	102500.790
Na	23	1	He	234338.0165	5.6	476452846.233
Mg	24	1	He	312.508693	5.9	356593.967
Al	27	1	He	26.467005	5.8	16451.280
Si	28	2	H2	867.109903	4.9	4003106.667
K	39	1	He	66174.67500	5.3	111444891.673
Ca	43	1	He	87209.44582	5.6	450433.807
Ca	44	1	He	87477.19619	4.7	7567885.897
Ti	47	1	He	0.178485	18.9	102.000
V	51	1	He	0.486392	26.7	4550.363
Cr	52	1	He	12.959057	5.1	203821.227
Mn	55	1	He	0.045346	17.3	1536.737
Fe	56	1	He	4.401615	7.0	81376.490
Co	59	1	He	0.060583	5.5	1422.730
Ni	60	1	He	0.702439	6.3	4621.943
Cu	63	1	He	1.177486	3.4	16476.223
Zn	66	1	He	2.680112	5.8	7803.053
As	75	1	He	0.849286	3.3	2242.143
Se	78	2	H2	2.845021	0.6	3402.333
Sr	88	1	He	1871.754886	5.2	35072306.147
Mo	95	1	He	33.967321	4.9	291067.577
Pd	105	1	He	0.306755	9.7	3703.813
Ag	107	1	He	0.039984	14.3	1818.447
Cd	111	1	He	0.028817	7.4	134.347
Sn	118	1	He	0.324200	11.5	4022.173
Sb	121	1	He	0.570371	5.5	8955.757
Ba	138	1	He	300.980764	5.9	11645695.663
Pt	195	1	He	0.018749	8.3	360.013
Hg	202	1	He	0.012695	39.5	170.003
Tl	205	1	He	0.035698	5.9	2636.920
Pb	206	1	He	0.051595	10.6	1015.043
Pb	207	1	He	0.053474	13.3	1763.453
Pb	208	1	He	0.051397	2.7	4888.653
Bi	209	1	He	0.024903	23.7	2967.020
Th	232	1	He	0.010104	0.9	828.363
U	238	1	He	0.007720	20.4	686.690

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.7960212	1124205.043
Sc	45	2	H2	99.42001883	6663300.333
Ge	72	1	He	96.80328389	655495.167
Ge	72	2	H2	101.3172278	1837746.083
In	115	1	He	93.13295047	6788827.210
Tb	159	1	He	96.01513348	15546981.017
Ir	193	1	He	92.01362718	7192909.477

Sample Name	10607546007_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	054SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:25:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	58.316883	1.4	45022.290
Be	9	2	H2	0.032603	11.5	27.667
B	11	2	H2	137.536673	2.8	98030.303
Na	23	1	He	104625.0182	0.8	216396396.777
Mg	24	1	He	107996.0778	0.9	124069604.817
Al	27	1	He	11.656929	0.5	7520.867
Si	28	2	H2	10130.84461	4.5	45306334.667
K	39	1	He	6893.655127	0.5	11934043.987
Ca	43	1	He	214045.9445	0.3	1124614.037
Ca	44	1	He	214336.5617	0.9	18857991.657
Ti	47	1	He	0.148699	18.0	87.333
V	51	1	He	6.247727	0.6	81469.330
Cr	52	1	He	2.829733	1.2	45742.727
Mn	55	1	He	196.053831	0.4	2363667.250
Fe	56	1	He	4.968708	1.2	91048.260
Co	59	1	He	0.852086	0.9	19058.740
Ni	60	1	He	2.170599	0.4	12721.863
Cu	63	1	He	0.224794	2.8	3484.353
Zn	66	1	He	39.551527	0.6	114603.370
As	75	1	He	1.646651	1.3	4180.990
Se	78	2	H2	4.299617	1.9	4948.360
Sr	88	1	He	3741.480720	0.6	70448653.950
Mo	95	1	He	3.473170	2.4	30474.977
Pd	105	1	He	0.603849	9.2	7288.337
Ag	107	1	He	0.014800	17.7	1225.053
Cd	111	1	He	0.040872	32.2	189.193
Sn	118	1	He	0.245938	3.3	3111.973
Sb	121	1	He	0.101841	8.9	1681.767
Ba	138	1	He	357.709512	0.8	14087023.957
Pt	195	1	He	0.006982	62.3	193.340
Hg	202	1	He	0.012909	17.0	173.340
Tl	205	1	He	0.012655	12.0	1445.080
Pb	206	1	He	0.033393	13.7	703.357
Pb	207	1	He	0.034359	39.2	1496.757
Pb	208	1	He	0.033265	14.6	3666.863
Bi	209	1	He	0.028112	20.8	3187.063
Th	232	1	He	0.008104	2.4	683.353
U	238	1	He	2.484394	1.7	197306.130

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	104.4010895	1141758.503
Sc	45	2	H2	96.61013855	6474977.333
Ge	72	1	He	98.93220292	669910.960
Ge	72	2	H2	97.68040105	1771779.373
In	115	1	He	93.44036891	6811236.150
Tb	159	1	He	97.50494879	15788215.180
Ir	193	1	He	93.12749261	7279982.810

Sample Name	FB 5/11/22
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	055SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:28:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.145763	18.7	195.167
Be	9	2	H2	0.023388	16.6	23.667
B	11	2	H2	7.962328	10.9	9275.827
Na	23	1	He	61.666491	3.0	148087.840
Mg	24	1	He	8.675893	8.8	13891.967
Al	27	1	He	17.123316	1.0	11048.293
Si	28	2	H2	16.296997	5.7	93048.880
K	39	1	He	13.048502	6.5	163863.897
Ca	43	1	He	35.179440	7.9	198.420
Ca	44	1	He	34.933294	16.3	3310.707
Ti	47	1	He	0.228651	8.2	134.000
V	51	1	He	-0.054367		-2659.493
Cr	52	1	He	0.357981	3.5	6389.810
Mn	55	1	He	0.024006	20.7	1320.720
Fe	56	1	He	4.942598	0.2	91714.733
Co	59	1	He	0.011881	4.8	388.010
Ni	60	1	He	-0.069808		548.010
Cu	63	1	He	0.104792	5.1	1880.107
Zn	66	1	He	1.236628	0.5	3977.123
As	75	1	He	0.163412	12.1	697.180
Se	78	2	H2	0.108741	7.0	154.333
Sr	88	1	He	0.224606	10.2	4874.060
Mo	95	1	He	0.110666	4.6	1038.377
Pd	105	1	He	0.075426	7.8	1030.050
Ag	107	1	He	-0.010938		666.687
Cd	111	1	He	0.013271	19.8	69.687
Sn	118	1	He	0.251565	6.2	3482.063
Sb	121	1	He	0.095926	4.0	1741.773
Ba	138	1	He	0.083496	10.1	3630.433
Pt	195	1	He	0.010832	40.1	263.343
Hg	202	1	He	0.009152	60.7	153.337
Tl	205	1	He	-0.003137		631.687
Pb	206	1	He	0.032281	7.7	720.027
Pb	207	1	He	0.045696	4.7	1760.117
Pb	208	1	He	0.035050	5.7	4001.900
Bi	209	1	He	0.025334	10.5	3197.067
Th	232	1	He	0.010680	13.3	970.040
U	238	1	He	0.004448	5.2	481.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.6094460	1154973.417
Sc	45	2	H2	105.6112036	7078244.167
Ge	72	1	He	103.2665474	699260.603
Ge	72	2	H2	105.9369021	1921540.207
In	115	1	He	102.3391588	7459903.960
Tb	159	1	He	102.8398541	16652054.750
Ir	193	1	He	102.2879637	7996077.173

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	056_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:32:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.849601	4.8	66997.107
Be	9	2	H2	82.417415	3.8	56779.840
B	11	2	H2	88.098613	4.7	66893.263
Na	23	1	He	2109.144673	0.7	4264540.560
Mg	24	1	He	2055.196627	0.7	2301992.883
Al	27	1	He	2021.388028	0.7	1224556.420
Si	28	2	H2	1018.878077	5.0	4782609.667
K	39	1	He	2040.038980	0.9	3533565.153
Ca	43	1	He	2039.002315	0.8	10439.487
Ca	44	1	He	2016.908903	1.5	172933.243
Ti	47	1	He	77.146564	1.1	42362.993
V	51	1	He	82.512657	0.9	1070003.227
Cr	52	1	He	82.765299	0.6	1285732.917
Mn	55	1	He	83.580618	0.9	981459.873
Fe	56	1	He	1031.821400	1.1	14666117.667
Co	59	1	He	82.196637	0.9	1883430.710
Ni	60	1	He	83.607405	0.9	469806.957
Cu	63	1	He	84.883577	0.5	1227127.873
Zn	66	1	He	80.527464	0.2	240123.773
As	75	1	He	77.480722	0.3	189350.287
Se	78	2	H2	78.333709	0.6	94278.417
Sr	88	1	He	76.664290	0.8	1524836.227
Mo	95	1	He	79.817940	0.2	720820.873
Pd	105	1	He	80.094657	1.3	1016726.030
Ag	107	1	He	40.215954	4.3	1018153.133
Cd	111	1	He	79.670834	0.4	383653.760
Sn	118	1	He	79.327899	0.8	1003118.213
Sb	121	1	He	75.373790	1.4	1243423.810
Ba	138	1	He	80.106761	1.4	3227608.700
Pt	195	1	He	81.028452	1.0	1214974.120
Hg	202	1	He	3.690344	5.3	27981.360
Tl	205	1	He	39.667260	0.5	2173726.480
Pb	206	1	He	82.150511	0.8	1528504.507
Pb	207	1	He	85.378075	0.4	1327335.243
Pb	208	1	He	82.276268	1.0	6038435.433
Bi	209	1	He	83.464362	1.6	4820483.367
Th	232	1	He	77.600727	1.3	6443326.987
U	238	1	He	76.301644	0.7	6480342.613

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.6278057	1111429.123
Sc	45	2	H2	101.1775188	6781091.000
Ge	72	1	He	101.9127898	690093.750
Ge	72	2	H2	102.5058574	1859306.083
In	115	1	He	98.69000403	7193902.710
Tb	159	1	He	99.75400736	16152387.677
Ir	193	1	He	99.63434098	7788637.590

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	057_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:35:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.105094	15.4	160.667
Be	9	2	H2	0.012565	36.3	15.833
B	11	2	H2	4.381508	8.8	6531.277
Na	23	1	He	23.459897	5.1	67027.023
Mg	24	1	He	-0.745988		2891.920
Al	27	1	He	0.168902	33.6	371.003
Si	28	2	H2	0.118233	146.9	13961.443
K	39	1	He	7.455903	28.3	151656.937
Ca	43	1	He	1.762957	65.0	20.430
Ca	44	1	He	1.535595	26.2	331.703
Ti	47	1	He	0.003354	63.2	5.333
V	51	1	He	-0.042395		-2461.633
Cr	52	1	He	0.007889	22.2	729.353
Mn	55	1	He	-0.064419		238.667
Fe	56	1	He	-0.132698		16568.257
Co	59	1	He	0.000448	344.8	122.000
Ni	60	1	He	-0.117635		274.667
Cu	63	1	He	0.023005	2.1	678.687
Zn	66	1	He	-0.014336		200.000
As	75	1	He	0.026715	22.1	357.167
Se	78	2	H2	0.013740	62.3	36.000
Sr	88	1	He	0.028603	8.3	831.693
Mo	95	1	He	0.004867	29.6	70.000
Pd	105	1	He	0.006762	55.7	126.670
Ag	107	1	He	0.192757	16.7	6019.450
Cd	111	1	He	0.005637	53.8	31.643
Sn	118	1	He	0.015920	26.8	393.343
Sb	121	1	He	0.003462	38.2	160.000
Ba	138	1	He	0.007758	14.7	488.343
Pt	195	1	He	0.003660	52.3	153.337
Hg	202	1	He	0.017558	25.0	220.007
Tl	205	1	He	0.039119	32.7	3025.323
Pb	206	1	He	0.002780	62.3	155.000
Pb	207	1	He	0.009540	97.2	1185.057
Pb	208	1	He	0.004834	65.3	1721.733
Bi	209	1	He	0.006297	80.2	2070.187
Th	232	1	He	0.007851	6.6	725.027
U	238	1	He	0.002343	19.7	296.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.8966323	1136241.623
Sc	45	2	H2	105.1113731	7044744.667
Ge	72	1	He	102.6943720	695386.167
Ge	72	2	H2	105.5736057	1914950.543
In	115	1	He	102.4948366	7471251.930
Tb	159	1	He	103.2425140	16717254.333
Ir	193	1	He	101.7078184	7950725.923

Sample Name	4323170_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	058SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:39:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.100903	18.4	157.833
Be	9	2	H2	0.010060	37.9	14.000
B	11	2	H2	4.270530	6.2	6474.597
Na	23	1	He	22.034506	2.9	64292.343
Mg	24	1	He	0.974855	22.6	4874.023
Al	27	1	He	2.462106	1.0	1796.423
Si	28	2	H2	0.792254	20.1	17303.483
K	39	1	He	6.468437	10.9	150432.510
Ca	43	1	He	7.020239	19.6	48.083
Ca	44	1	He	7.628396	13.4	867.580
Ti	47	1	He	0.054283	29.1	34.000
V	51	1	He	-0.075632		-2904.767
Cr	52	1	He	0.272872	1.1	4950.020
Mn	55	1	He	-0.038415		552.010
Fe	56	1	He	2.525480	1.3	55308.747
Co	59	1	He	-0.000021		110.667
Ni	60	1	He	-0.107469		330.670
Cu	63	1	He	0.033099	10.7	822.020
Zn	66	1	He	0.209220	4.9	867.357
As	75	1	He	0.019062	30.8	336.833
Se	78	2	H2	0.005593	76.7	26.000
Sr	88	1	He	0.025951	14.9	778.360
Mo	95	1	He	0.012072	15.4	135.000
Pd	105	1	He	0.002446	124.0	70.000
Ag	107	1	He	0.056154	13.8	2435.197
Cd	111	1	He	0.001971	77.0	13.297
Sn	118	1	He	0.022578	37.3	481.680
Sb	121	1	He	0.002086	114.6	136.667
Ba	138	1	He	0.012944	8.7	706.690
Pt	195	1	He	0.004700	24.3	170.003
Hg	202	1	He	0.015812	38.5	206.670
Tl	205	1	He	0.004088	21.7	1046.710
Pb	206	1	He	0.005593	17.2	210.003
Pb	207	1	He	0.006018	80.8	1131.717
Pb	208	1	He	0.005793	23.9	1800.063
Bi	209	1	He	0.006531	35.7	2093.513
Th	232	1	He	0.002559	13.8	283.340
U	238	1	He	0.001266	25.8	208.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	104.1989596	1139547.957
Sc	45	2	H2	105.5002594	7070808.500
Ge	72	1	He	102.2415400	692319.853
Ge	72	2	H2	105.6775303	1916835.583
In	115	1	He	102.6810152	7484823.220
Tb	159	1	He	103.5356100	16764713.083
Ir	193	1	He	104.2794187	8151753.627

Sample Name	4323171_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	059SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:43:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	107.262134	6.5	87270.110
Be	9	2	H2	107.701518	5.1	74675.663
B	11	2	H2	111.074508	4.4	84038.923
Na	23	1	He	2171.431761	1.4	4390555.250
Mg	24	1	He	2143.760775	0.7	2401448.247
Al	27	1	He	2073.999519	0.4	1256646.750
Si	28	2	H2	533.740285	6.2	2527204.167
K	39	1	He	2111.037610	0.2	3652455.780
Ca	43	1	He	2099.385810	0.4	10749.970
Ca	44	1	He	2065.915322	1.0	177158.920
Ti	47	1	He	99.770481	1.2	54792.593
V	51	1	He	104.490095	0.9	1355735.763
Cr	52	1	He	105.986040	0.8	1646580.333
Mn	55	1	He	106.185007	0.4	1246848.413
Fe	56	1	He	2124.550235	1.6	30182586.667
Co	59	1	He	108.776510	1.8	2472525.583
Ni	60	1	He	110.315902	0.8	614673.817
Cu	63	1	He	109.108310	0.9	1564697.627
Zn	66	1	He	105.121713	0.7	310896.457
As	75	1	He	102.495517	0.7	248400.207
Se	78	2	H2	102.027358	2.3	122316.923
Sr	88	1	He	101.703244	0.5	2015843.980
Mo	95	1	He	105.138260	1.3	941916.940
Pd	105	1	He	21.255797	0.7	268916.717
Ag	107	1	He	50.274750	2.8	1268280.870
Cd	111	1	He	102.586948	0.6	492301.853
Sn	118	1	He	100.332024	0.4	1264355.423
Sb	121	1	He	97.841317	0.8	1608576.433
Ba	138	1	He	102.626784	0.3	4116287.960
Pt	195	1	He	20.756234	0.5	309881.070
Hg	202	1	He	0.021755	57.6	243.340
Tl	205	1	He	105.404268	0.7	5748555.953
Pb	206	1	He	107.667790	0.6	1994201.113
Pb	207	1	He	108.048549	0.7	1671915.547
Pb	208	1	He	107.958683	0.5	7887118.783
Bi	209	1	He	108.732749	1.6	6250925.950
Th	232	1	He	104.617720	1.8	8726479.663
U	238	1	He	99.027279	1.6	8448975.917

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.6457390	1111625.247
Sc	45	2	H2	101.8698242	6827490.500
Ge	72	1	He	101.1062897	684632.603
Ge	72	2	H2	102.1416720	1852700.293
In	115	1	He	98.35044094	7169150.620
Tb	159	1	He	99.30190236	16079181.843
Ir	193	1	He	100.0981886	7824897.593

Sample Name	10608161001_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	060SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:46:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.900135	1.3	4906.810
Be	9	2	H2	0.019628	19.2	17.500
B	11	2	H2	8.702775	8.1	8201.953
Na	23	1	He	85864.36374	0.4	164160564.220
Mg	24	1	He	13579.69297	0.6	14423613.537
Al	27	1	He	98.821717	1.1	57081.907
Si	28	2	H2	1423.655664	3.8	5810918.833
K	39	1	He	31656.36401	0.7	50191685.920
Ca	43	1	He	539946.3669	0.8	2622208.807
Ca	44	1	He	540380.6853	0.6	43947332.770
Ti	47	1	He	0.367183	13.1	194.667
V	51	1	He	2.857199	1.7	33483.473
Cr	52	1	He	0.574602	0.9	9032.933
Mn	55	1	He	97.595505	0.9	1088075.210
Fe	56	1	He	7.058109	1.8	112321.740
Co	59	1	He	0.080719	2.1	1728.757
Ni	60	1	He	0.415933	5.8	2879.577
Cu	63	1	He	1.627449	0.6	21042.307
Zn	66	1	He	1.290128	5.4	3601.040
As	75	1	He	2.170793	1.7	4925.847
Se	78	2	H2	3.123644	3.2	3275.973
Sr	88	1	He	2688.858259	1.1	48493430.943
Mo	95	1	He	865.885372	1.0	6895168.440
Pd	105	1	He	0.439336	3.2	5090.857
Ag	107	1	He	0.209071	14.7	5625.987
Cd	111	1	He	0.124566	43.0	548.347
Sn	118	1	He	0.041199	4.6	633.353
Sb	121	1	He	0.214588	6.5	3297.017
Ba	138	1	He	28.767259	0.5	1092519.567
Pt	195	1	He	0.019963	15.0	370.013
Hg	202	1	He	0.179032	19.6	1350.083
Tl	205	1	He	0.025071	12.4	2033.487
Pb	206	1	He	0.017172	24.5	393.343
Pb	207	1	He	0.019945	50.3	1231.727
Pb	208	1	He	0.018734	13.3	2530.103
Bi	209	1	He	0.008490	20.0	2006.830
Th	232	1	He	0.029833	13.8	2261.857
U	238	1	He	3.925925	1.3	297526.297

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.50055853	1055356.163
Sc	45	2	H2	88.06979230	5902588.667
Ge	72	1	He	89.87085746	608552.833
Ge	72	2	H2	88.90462359	1612599.627
In	115	1	He	89.50217362	6524165.600
Tb	159	1	He	94.01746623	15223514.353
Ir	193	1	He	88.88248774	6948141.357

Sample Name	10608161001_B70212Dx50
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	061SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:50:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.246575	17.1	273.500
Be	9	2	H2	0.012922	35.6	15.667
B	11	2	H2	4.138338	2.8	6211.153
Na	23	1	He	1784.341176	0.8	3639594.740
Mg	24	1	He	282.414700	0.7	322056.747
Al	27	1	He	2.954328	4.6	2066.453
Si	28	2	H2	32.450697	5.8	167444.927
K	39	1	He	653.115426	1.0	1233497.900
Ca	43	1	He	10846.06101	1.3	55926.700
Ca	44	1	He	11127.09562	0.8	960843.080
Ti	47	1	He	0.016745	90.3	12.667
V	51	1	He	0.022908	294.3	-1569.813
Cr	52	1	He	0.048006	8.3	1346.720
Mn	55	1	He	1.962860	0.7	24208.850
Fe	56	1	He	0.283139	11.1	22287.040
Co	59	1	He	-0.000621		94.667
Ni	60	1	He	-0.095714		388.010
Cu	63	1	He	0.053783	8.5	1097.373
Zn	66	1	He	-0.000412		235.333
As	75	1	He	0.042302	16.0	385.167
Se	78	2	H2	0.052515	13.3	81.333
Sr	88	1	He	51.724401	0.7	1041917.743
Mo	95	1	He	16.529361	0.9	146541.723
Pd	105	1	He	0.014005	7.0	216.677
Ag	107	1	He	0.032095	3.7	1753.440
Cd	111	1	He	0.001235	121.6	9.370
Sn	118	1	He	0.112221	1.2	1616.760
Sb	121	1	He	0.005197	24.0	185.000
Ba	138	1	He	0.571503	0.7	23733.473
Pt	195	1	He	0.002905	58.6	140.000
Hg	202	1	He	0.011417	20.2	170.003
Tl	205	1	He	-0.006393		445.010
Pb	206	1	He	0.002170	98.7	141.667
Pb	207	1	He	0.004829	119.3	1098.383
Pb	208	1	He	0.002600	35.2	1536.727
Bi	209	1	He	0.005966	46.5	2030.167
Th	232	1	He	0.001849	14.4	213.333
U	238	1	He	0.076782	3.0	6663.140

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.4446634	1120362.500
Sc	45	2	H2	102.8428695	6892705.667
Ge	72	1	He	100.0388766	677404.707
Ge	72	2	H2	101.9813801	1849792.833
In	115	1	He	99.93986888	7285010.277
Tb	159	1	He	102.1139859	16534520.587
Ir	193	1	He	100.3910090	7847788.010

Sample Name	10608163001_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	062SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:53:51
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	8.124837	1.5	5426.947
Be	9	2	H2	0.007502	72.0	9.667
B	11	2	H2	8.745620	12.5	7735.107
Na	23	1	He	105359.2272	1.5	194131637.107
Mg	24	1	He	17102.98662	0.9	17507259.323
Al	27	1	He	100.676578	0.7	56044.067
Si	28	2	H2	1608.141586	2.9	6174164.333
K	39	1	He	39055.30252	0.4	59653817.443
Ca	43	1	He	682484.8494	1.0	3194432.543
Ca	44	1	He	689160.4502	0.8	54018662.487
Ti	47	1	He	0.408986	9.2	208.667
V	51	1	He	3.561926	1.0	40651.383
Cr	52	1	He	1.201491	1.6	17615.223
Mn	55	1	He	134.122155	1.2	1440809.080
Fe	56	1	He	12.750337	0.7	182212.293
Co	59	1	He	0.098340	2.4	1984.117
Ni	60	1	He	0.526649	7.1	3261.643
Cu	63	1	He	2.076600	3.0	25474.677
Zn	66	1	He	1.470597	2.2	3879.100
As	75	1	He	2.823231	1.2	6024.687
Se	78	2	H2	3.926118	0.6	3833.087
Sr	88	1	He	3398.983339	0.3	58775939.127
Mo	95	1	He	1093.752156	0.5	8289895.087
Pd	105	1	He	0.530773	3.2	5891.130
Ag	107	1	He	0.025615	11.0	1363.400
Cd	111	1	He	0.168857	7.2	710.033
Sn	118	1	He	0.049724	19.9	701.687
Sb	121	1	He	0.244795	6.6	3597.080
Ba	138	1	He	36.126490	0.7	1323190.500
Pt	195	1	He	0.009697	23.4	216.677
Hg	202	1	He	0.200507	7.7	1450.097
Tl	205	1	He	0.012716	5.8	1346.737
Pb	206	1	He	0.008645	41.9	235.003
Pb	207	1	He	0.007551	64.3	1013.377
Pb	208	1	He	0.007917	27.2	1718.390
Bi	209	1	He	0.002738	34.6	1633.450
Th	232	1	He	0.008975	2.3	683.353
U	238	1	He	5.080277	1.5	367059.437

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.00976810	1017179.937
Sc	45	2	H2	82.87768666	5554604.833
Ge	72	1	He	85.53570616	579197.727
Ge	72	2	H2	82.84240798	1502639.917
In	115	1	He	85.81307149	6255252.430
Tb	159	1	He	90.67394428	14682123.947
Ir	193	1	He	84.74501787	6624706.153

Sample Name	4323885_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	063SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:57:27
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	87.233260	5.6	53047.613
Be	9	2	H2	76.540140	6.1	39660.127
B	11	2	H2	79.956961	3.8	45936.690
Na	23	1	He	106093.9276	0.9	189337923.847
Mg	24	1	He	18654.92197	1.1	18494073.473
Al	27	1	He	2012.549600	0.6	1080652.207
Si	28	2	H2	2614.950882	4.9	9223151.333
K	39	1	He	40579.97033	0.8	60024757.440
Ca	43	1	He	676715.8472	0.9	3067710.427
Ca	44	1	He	679242.5732	1.4	51564798.640
Ti	47	1	He	78.281921	0.5	38101.013
V	51	1	He	85.537926	0.9	983206.013
Cr	52	1	He	79.931310	1.2	1100591.913
Mn	55	1	He	210.106205	1.2	2185594.083
Fe	56	1	He	947.558167	0.5	11939165.333
Co	59	1	He	82.202302	0.3	1553018.293
Ni	60	1	He	81.263794	0.8	376518.230
Cu	63	1	He	81.069521	0.7	966284.147
Zn	66	1	He	77.021589	0.9	189360.560
As	75	1	He	89.896356	0.7	181091.417
Se	78	2	H2	106.732359	4.6	95108.520
Sr	88	1	He	3486.845857	0.5	58201077.467
Mo	95	1	He	1150.685816	0.9	8567109.663
Pd	105	1	He	74.068615	1.6	789085.457
Ag	107	1	He	36.653684	4.3	778741.367
Cd	111	1	He	75.768556	1.4	306214.467
Sn	118	1	He	78.938690	1.2	837768.060
Sb	121	1	He	78.255873	1.2	1083497.770
Ba	138	1	He	115.005293	1.2	4094310.147
Pt	195	1	He	74.631063	0.9	988776.703
Hg	202	1	He	0.228947	4.0	1600.120
Tl	205	1	He	38.729902	1.1	1875316.067
Pb	206	1	He	76.393776	0.3	1255964.773
Pb	207	1	He	76.501543	0.5	1050985.297
Pb	208	1	He	75.691533	0.9	4908653.833
Bi	209	1	He	71.355970	1.5	3641684.633
Th	232	1	He	78.813883	1.4	5372277.833
U	238	1	He	86.642963	1.8	6041019.287

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.07867673	985124.730
Sc	45	2	H2	76.32626787	5115517.500
Ge	72	1	He	84.02843567	568991.373
Ge	72	2	H2	76.01978311	1378887.497
In	115	1	He	82.83480966	6038155.207
Tb	159	1	He	88.14305801	14272317.290
Ir	193	1	He	81.79839889	6394362.407

Sample Name	4323886_B70212Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	064SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:01:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.018005	5.6	1496.227
Be	9	2	H2	0.014866	28.0	14.833
B	11	2	H2	4.528341	13.0	5634.300
Na	23	1	He	23199.96925	1.2	42689692.697
Mg	24	1	He	3814.210957	1.1	3900419.423
Al	27	1	He	23.245680	1.2	13101.953
Si	28	2	H2	387.886105	7.0	1610440.457
K	39	1	He	8460.057828	0.9	12997300.227
Ca	43	1	He	149514.3915	0.7	698655.013
Ca	44	1	He	150175.6444	0.9	11751559.713
Ti	47	1	He	0.128073	9.1	67.333
V	51	1	He	0.728766	17.1	6958.890
Cr	52	1	He	0.295989	5.3	4738.640
Mn	55	1	He	30.135305	0.8	323891.103
Fe	56	1	He	3.011572	2.0	55589.007
Co	59	1	He	0.023075	0.9	560.010
Ni	60	1	He	0.034952	24.4	988.030
Cu	63	1	He	0.497087	3.2	6589.897
Zn	66	1	He	0.372659	8.1	1183.377
As	75	1	He	0.583084	6.0	1499.230
Se	78	2	H2	0.779053	4.5	823.687
Sr	88	1	He	714.825727	0.6	13124068.970
Mo	95	1	He	237.428995	0.5	1877731.587
Pd	105	1	He	0.112954	26.3	1356.753
Ag	107	1	He	0.199672	17.4	5510.950
Cd	111	1	He	0.044345	57.9	200.037
Sn	118	1	He	0.101341	9.4	1346.737
Sb	121	1	He	0.054862	11.6	925.033
Ba	138	1	He	7.964283	1.1	309928.243
Pt	195	1	He	0.008524	4.3	213.343
Hg	202	1	He	0.045618	23.5	410.013
Tl	205	1	He	0.058458	29.4	3850.510
Pb	206	1	He	0.005580	47.2	195.000
Pb	207	1	He	0.010796	41.9	1125.053
Pb	208	1	He	0.007389	12.3	1788.397
Bi	209	1	He	0.006723	51.6	1956.823
Th	232	1	He	0.010119	13.1	833.363
U	238	1	He	1.122787	1.6	88565.737

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.85235429	1015458.417
Sc	45	2	H2	89.00244025	5965096.333
Ge	72	1	He	89.25068620	604353.397
Ge	72	2	H2	88.29669577	1601572.707
In	115	1	He	91.10902661	6641295.437
Tb	159	1	He	96.30181440	15593401.020
Ir	193	1	He	92.45387045	7227324.270

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	065_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:04:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	81.703583	4.0	59698.193
Be	9	2	H2	82.210764	3.6	51176.843
B	11	2	H2	84.926290	5.6	58335.000
Na	23	1	He	2082.307714	0.7	3817837.963
Mg	24	1	He	2043.601609	1.0	2075544.397
Al	27	1	He	2024.561320	0.4	1112115.710
Si	28	2	H2	1029.432297	3.6	4365926.083
K	39	1	He	2027.543933	1.1	3185122.140
Ca	43	1	He	2039.081799	2.1	9465.770
Ca	44	1	He	2051.858658	0.8	159524.023
Ti	47	1	He	77.463647	0.7	38570.003
V	51	1	He	82.119638	1.3	965569.633
Cr	52	1	He	82.771782	0.4	1165921.377
Mn	55	1	He	84.374405	0.7	898415.043
Fe	56	1	He	1042.129912	0.7	13430858.667
Co	59	1	He	82.932535	1.0	1717862.837
Ni	60	1	He	84.103767	0.3	427250.300
Cu	63	1	He	85.703446	0.1	1120088.333
Zn	66	1	He	81.835098	0.5	220606.583
As	75	1	He	78.460362	0.5	173338.990
Se	78	2	H2	80.131645	1.2	85919.740
Sr	88	1	He	76.610261	0.4	1425012.220
Mo	95	1	He	82.102958	0.7	670290.120
Pd	105	1	He	79.999067	1.5	949620.323
Ag	107	1	He	40.638000	4.0	962109.310
Cd	111	1	He	80.823478	1.7	363946.383
Sn	118	1	He	79.838502	0.8	944172.410
Sb	121	1	He	76.045809	0.9	1173222.770
Ba	138	1	He	79.770888	1.3	3085587.450
Pt	195	1	He	81.411066	1.5	1171821.260
Hg	202	1	He	3.674820	2.3	26749.390
Tl	205	1	He	40.519513	2.0	2131476.637
Pb	206	1	He	82.643607	1.1	1476151.750
Pb	207	1	He	85.656942	1.2	1278363.760
Pb	208	1	He	82.938803	0.8	5843582.443
Bi	209	1	He	85.314476	0.4	4730363.157
Th	232	1	He	79.948409	1.8	6361493.030
U	238	1	He	77.971780	1.8	6346029.077

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.15169279	1007795.793
Sc	45	2	H2	91.45743058	6129634.000
Ge	72	1	He	92.13286635	623869.833
Ge	72	2	H2	91.32301993	1656465.793
In	115	1	He	92.29363587	6727646.267
Tb	159	1	He	95.76575447	15506601.020
Ir	193	1	He	95.49986135	7465436.140

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	066_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:08:15
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.081694	18.5	127.167
Be	9	2	H2	0.023014	35.2	21.000
B	11	2	H2	2.796997	7.5	4820.727
Na	23	1	He	21.777027	0.5	57933.310
Mg	24	1	He	-2.175735		1146.713
Al	27	1	He	0.176679	8.8	342.667
Si	28	2	H2	-0.054854		11847.960
K	39	1	He	7.502564	6.9	138284.157
Ca	43	1	He	5.464812	25.3	36.300
Ca	44	1	He	5.466736	26.4	615.873
Ti	47	1	He	-0.000963		2.667
V	51	1	He	0.008371	498.4	-1622.723
Cr	52	1	He	0.003837	106.7	606.010
Mn	55	1	He	-0.066128		198.667
Fe	56	1	He	-0.111810		15374.543
Co	59	1	He	0.000951	77.9	121.333
Ni	60	1	He	-0.099752		341.337
Cu	63	1	He	0.028958	16.1	695.350
Zn	66	1	He	0.002377	567.7	227.333
As	75	1	He	-0.000306		264.167
Se	78	2	H2	0.004476	64.9	22.000
Sr	88	1	He	0.028819	16.3	780.027
Mo	95	1	He	0.025798	18.1	236.670
Pd	105	1	He	0.006635	37.9	116.667
Ag	107	1	He	0.234763	17.5	6644.680
Cd	111	1	He	0.005012	109.3	26.597
Sn	118	1	He	0.016291	15.0	371.677
Sb	121	1	He	0.006319	70.2	195.000
Ba	138	1	He	0.009031	27.9	518.350
Pt	195	1	He	0.008576	84.3	220.007
Hg	202	1	He	0.028142	32.9	290.010
Tl	205	1	He	0.044622	30.2	3198.693
Pb	206	1	He	0.005216	42.5	193.337
Pb	207	1	He	0.012787	44.4	1185.060
Pb	208	1	He	0.007208	34.3	1821.740
Bi	209	1	He	0.005244	58.9	1923.493
Th	232	1	He	0.007569	4.6	670.020
U	238	1	He	0.003731	30.8	398.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.67252454	1035364.290
Sc	45	2	H2	94.87601904	6358753.667
Ge	72	1	He	93.30596885	631813.397
Ge	72	2	H2	94.22587730	1709119.373
In	115	1	He	95.63600037	6971284.367
Tb	159	1	He	98.83893566	16004217.260
Ir	193	1	He	97.23254739	7600884.053

Sample Name	4323172_B70212Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	067SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:11:50
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	23.073502	2.3	16278.847
Be	9	2	H2	21.276143	1.7	12761.653
B	11	2	H2	24.617665	4.3	18232.570
Na	23	1	He	23444.49491	2.9	41807291.043
Mg	24	1	He	4191.791186	3.4	4153322.750
Al	27	1	He	456.651497	3.2	245121.763
Si	28	2	H2	495.671029	4.3	2031677.917
K	39	1	He	8931.350018	2.8	13291791.050
Ca	43	1	He	149431.2838	3.3	676657.290
Ca	44	1	He	149529.2621	2.5	11340125.817
Ti	47	1	He	21.195728	4.3	10305.603
V	51	1	He	23.380520	4.2	267249.687
Cr	52	1	He	22.389973	3.1	308343.657
Mn	55	1	He	52.092707	3.9	541856.497
Fe	56	1	He	443.376810	2.7	5589043.167
Co	59	1	He	22.829077	2.9	449576.217
Ni	60	1	He	22.351434	2.5	108538.717
Cu	63	1	He	22.792759	2.2	283405.543
Zn	66	1	He	22.099156	3.2	56769.383
As	75	1	He	22.867890	3.0	48200.080
Se	78	2	H2	23.360119	0.5	24234.803
Sr	88	1	He	737.316560	2.8	13055511.057
Mo	95	1	He	256.536699	2.4	1990762.000
Pd	105	1	He	4.188527	3.0	47382.020
Ag	107	1	He	9.430156	5.6	213200.120
Cd	111	1	He	21.353720	4.1	91540.533
Sn	118	1	He	21.746852	3.1	244946.423
Sb	121	1	He	21.249044	3.9	312112.523
Ba	138	1	He	29.566512	3.5	1106828.450
Pt	195	1	He	4.253062	3.1	59325.947
Hg	202	1	He	0.062010	19.8	510.020
Tl	205	1	He	21.918107	3.1	1116289.203
Pb	206	1	He	21.767127	3.5	376323.067
Pb	207	1	He	21.830933	3.8	315984.877
Pb	208	1	He	21.661674	3.2	1477909.467
Bi	209	1	He	22.154309	3.0	1189896.807
Th	232	1	He	22.441970	3.8	1694217.840
U	238	1	He	22.361637	4.0	1726545.080

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.03113035	984604.750
Sc	45	2	H2	88.09185977	5904067.667
Ge	72	1	He	87.61286988	593263.063
Ge	72	2	H2	88.31370394	1601881.210
In	115	1	He	87.90092234	6407444.093
Tb	159	1	He	92.71152781	15012053.940
Ir	193	1	He	90.64008403	7085536.560

Sample Name	4323173_B70212Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	068SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:15:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	24.326069	3.0	16614.627
Be	9	2	H2	22.377093	3.6	12996.810
B	11	2	H2	25.656778	5.3	18286.007
Na	23	1	He	23691.43772	1.0	42752712.693
Mg	24	1	He	4263.984739	0.9	4275870.353
Al	27	1	He	465.852678	1.7	253038.773
Si	28	2	H2	520.629403	5.3	2065216.207
K	39	1	He	8956.972010	1.0	13488061.050
Ca	43	1	He	151634.3807	1.2	694886.040
Ca	44	1	He	151150.1886	1.2	11599435.667
Ti	47	1	He	21.003121	0.6	10336.280
V	51	1	He	23.860092	1.3	276055.413
Cr	52	1	He	22.929468	0.8	319542.717
Mn	55	1	He	53.094880	1.8	558958.710
Fe	56	1	He	451.073639	0.9	5753809.167
Co	59	1	He	23.436388	1.1	462882.200
Ni	60	1	He	23.403449	0.6	113918.040
Cu	63	1	He	23.638698	1.2	294728.113
Zn	66	1	He	22.617150	1.4	58272.063
As	75	1	He	23.570097	1.4	49815.453
Se	78	2	H2	24.363875	1.4	24669.053
Sr	88	1	He	756.144610	1.2	13482811.467
Mo	95	1	He	261.515475	0.2	2035361.270
Pd	105	1	He	4.331726	4.1	49323.990
Ag	107	1	He	9.976525	5.3	227044.760
Cd	111	1	He	21.947188	2.1	94754.413
Sn	118	1	He	22.198796	1.6	251792.837
Sb	121	1	He	21.759675	2.3	321893.587
Ba	138	1	He	30.470332	2.6	1139509.513
Pt	195	1	He	4.422595	1.2	61634.463
Hg	202	1	He	0.071993	17.9	580.027
Tl	205	1	He	22.520246	3.4	1145569.750
Pb	206	1	He	22.397932	2.6	386838.927
Pb	207	1	He	22.394251	1.9	323820.087
Pb	208	1	He	22.347131	2.1	1523132.440
Bi	209	1	He	22.872403	2.4	1227152.457
Th	232	1	He	23.256778	1.2	1739615.340
U	238	1	He	23.107527	1.8	1767847.683

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.06382157	995898.540
Sc	45	2	H2	85.28946463	5716246.333
Ge	72	1	He	87.83253397	594750.500
Ge	72	2	H2	86.20558146	1563642.957
In	115	1	He	88.49086392	6450447.257
Tb	159	1	He	92.60142608	14994226.027
Ir	193	1	He	89.75957891	7016705.520

Sample Name	10608163001_B70212Dx50
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	069SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:18:59
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.220128	5.7	232.167
Be	9	2	H2	0.013347	17.6	14.833
B	11	2	H2	2.864862	19.3	4880.733
Na	23	1	He	2125.949983	1.0	4024412.230
Mg	24	1	He	346.757944	1.0	366495.853
Al	27	1	He	2.983777	2.2	1936.107
Si	28	2	H2	36.688601	4.4	173482.287
K	39	1	He	779.081512	0.6	1342089.457
Ca	43	1	He	13493.51302	0.7	64622.023
Ca	44	1	He	13831.59678	1.0	1109274.503
Ti	47	1	He	0.026311	74.9	16.667
V	51	1	He	0.134059	8.3	-103.860
Cr	52	1	He	0.045819	15.8	1219.380
Mn	55	1	He	2.710492	1.0	30695.240
Fe	56	1	He	0.304939	4.1	20990.827
Co	59	1	He	0.001817	119.8	139.337
Ni	60	1	He	-0.090236		389.343
Cu	63	1	He	0.061414	3.9	1122.043
Zn	66	1	He	0.033181	35.8	310.670
As	75	1	He	0.045759	17.8	366.167
Se	78	2	H2	0.065961	19.6	90.000
Sr	88	1	He	63.431389	1.7	1225316.493
Mo	95	1	He	21.014838	0.3	173350.397
Pd	105	1	He	0.014459	12.4	213.340
Ag	107	1	He	0.125987	16.2	3987.173
Cd	111	1	He	0.003875	28.5	21.330
Sn	118	1	He	0.103222	2.2	1440.077
Sb	121	1	He	0.007221	33.8	210.000
Ba	138	1	He	0.753133	0.7	29841.453
Pt	195	1	He	0.002653	53.1	130.000
Hg	202	1	He	0.011978	5.5	166.670
Tl	205	1	He	0.001469	103.0	846.700
Pb	206	1	He	0.003789	25.0	165.000
Pb	207	1	He	0.007186	44.1	1085.047
Pb	208	1	He	0.005131	8.5	1650.057
Bi	209	1	He	-0.000052		1600.120
Th	232	1	He	0.007078	2.1	628.353
U	238	1	He	0.098386	2.5	8218.900

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.14883929	1040573.397
Sc	45	2	H2	95.06229199	6371238.000
Ge	72	1	He	93.07954546	630280.190
Ge	72	2	H2	94.22529382	1709108.790
In	115	1	He	95.84764336	6986711.857
Tb	159	1	He	97.58668301	15801449.763
Ir	193	1	He	96.93944185	7577971.343

Sample Name	4323885_B70212Dx50
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	070SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:22:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	95.868551	4.7	70267.520
Be	9	2	H2	95.144125	3.6	59418.927
B	11	2	H2	97.759286	3.5	66967.023
Na	23	1	He	4659.208065	1.3	8486770.080
Mg	24	1	He	2708.310408	0.7	2738335.063
Al	27	1	He	2300.463292	1.5	1258401.710
Si	28	2	H2	1211.371444	3.9	5151756.333
K	39	1	He	3164.008069	1.7	4881071.387
Ca	43	1	He	17548.00136	2.0	81049.527
Ca	44	1	He	17465.92980	2.0	1350930.673
Ti	47	1	He	91.648574	2.0	45444.393
V	51	1	He	96.429764	2.3	1129397.860
Cr	52	1	He	96.748622	1.7	1357044.167
Mn	55	1	He	100.139651	1.2	1061684.670
Fe	56	1	He	1182.094353	1.3	15169681.000
Co	59	1	He	98.487634	0.8	2022635.667
Ni	60	1	He	97.999431	0.7	493421.613
Cu	63	1	He	99.756192	0.9	1292503.373
Zn	66	1	He	95.653061	0.5	255617.933
As	75	1	He	94.070959	0.5	206000.500
Se	78	2	H2	94.959126	0.8	101752.210
Sr	88	1	He	161.170790	0.6	2976818.500
Mo	95	1	He	121.339514	1.4	982105.767
Pd	105	1	He	94.742861	1.4	1116900.843
Ag	107	1	He	43.794581	2.7	1029760.893
Cd	111	1	He	94.172858	0.4	421153.447
Sn	118	1	He	93.555712	1.2	1098672.613
Sb	121	1	He	90.321173	1.1	1383819.147
Ba	138	1	He	93.913411	1.2	3628029.010
Pt	195	1	He	95.525453	1.6	1373261.853
Hg	202	1	He	0.015190	22.4	186.673
Tl	205	1	He	48.151344	1.6	2529849.860
Pb	206	1	He	97.163077	1.7	1733342.683
Pb	207	1	He	98.292752	2.1	1464977.370
Pb	208	1	He	96.935563	1.6	6821022.187
Bi	209	1	He	95.642569	1.5	5296107.840
Th	232	1	He	90.922658	2.3	7170888.017
U	238	1	He	93.887350	1.5	7574530.930

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.77625582	1003689.913
Sc	45	2	H2	91.74513335	6148916.333
Ge	72	1	He	91.34560495	618538.960
Ge	72	2	H2	91.26930353	1655491.457
In	115	1	He	91.65104528	6680805.310
Tb	159	1	He	95.64958242	15487790.187
Ir	193	1	He	94.65263744	7399206.767

Sample Name	4323886_B70212Dx250
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	071SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:26:08
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.100826	8.7	141.833
Be	9	2	H2	0.025060	30.8	22.333
B	11	2	H2	2.852268	19.2	4867.390
Na	23	1	He	450.570267	0.4	858931.577
Mg	24	1	He	72.856972	2.6	79020.683
Al	27	1	He	1.638289	3.0	1163.040
Si	28	2	H2	7.633667	7.3	45637.120
K	39	1	He	169.861205	0.9	388744.863
Ca	43	1	He	2800.800749	0.5	13305.167
Ca	44	1	He	2881.550541	0.5	229238.633
Ti	47	1	He	0.030478	48.8	18.667
V	51	1	He	0.036388	156.6	-1280.117
Cr	52	1	He	0.040229	5.9	1128.040
Mn	55	1	He	0.529020	0.9	6677.920
Fe	56	1	He	0.249459	6.7	20077.807
Co	59	1	He	0.001248	83.5	126.667
Ni	60	1	He	-0.067898		501.343
Cu	63	1	He	0.032103	7.7	732.020
Zn	66	1	He	-0.007843		198.000
As	75	1	He	-0.000308		262.333
Se	78	2	H2	0.023229	45.8	42.667
Sr	88	1	He	13.195668	0.4	254389.423
Mo	95	1	He	4.356522	3.4	35798.363
Pd	105	1	He	0.008001	51.6	133.333
Ag	107	1	He	0.191540	11.3	5582.620
Cd	111	1	He	0.003803	139.4	20.923
Sn	118	1	He	0.114981	2.5	1580.093
Sb	121	1	He	0.006852	37.3	203.333
Ba	138	1	He	0.148312	8.3	6029.480
Pt	195	1	He	0.010069	34.4	240.007
Hg	202	1	He	0.004700	108.3	113.333
Tl	205	1	He	0.047576	25.4	3333.720
Pb	206	1	He	0.010413	4.0	286.677
Pb	207	1	He	0.010145	23.2	1135.053
Pb	208	1	He	0.008080	15.6	1870.077
Bi	209	1	He	0.007295	27.4	2023.510
Th	232	1	He	0.008245	1.8	716.690
U	238	1	He	0.024333	3.4	2081.827

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.32334821	1031545.603
Sc	45	2	H2	94.96063091	6364424.500
Ge	72	1	He	92.68751708	627625.603
Ge	72	2	H2	94.14309553	1707617.833
In	115	1	He	95.58332452	6967444.617
Tb	159	1	He	98.00006569	15868385.593
Ir	193	1	He	96.12660518	7514430.097

Sample Name	10608162001_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	072SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:29:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.310496	2.0	1047.530
Be	9	2	H2	0.015762	42.3	16.167
B	11	2	H2	8.854129	4.7	8842.267
Na	23	1	He	15395.59381	4.3	27700463.757
Mg	24	1	He	518.213324	4.3	520897.453
Al	27	1	He	7.923198	6.5	4517.557
Si	28	2	H2	541.725788	4.3	2367177.667
K	39	1	He	5406.449465	4.0	8164661.753
Ca	43	1	He	20516.12137	3.5	93750.247
Ca	44	1	He	20753.70153	4.3	1587780.393
Ti	47	1	He	0.075203	39.2	40.000
V	51	1	He	0.186346	19.9	503.090
Cr	52	1	He	0.633706	3.5	9319.083
Mn	55	1	He	4.178270	3.9	44668.190
Fe	56	1	He	8.970980	4.4	129924.157
Co	59	1	He	0.005376	30.8	206.000
Ni	60	1	He	0.072842	13.8	1175.373
Cu	63	1	He	0.149831	11.4	2194.140
Zn	66	1	He	1.082241	3.5	3038.267
As	75	1	He	0.084353	12.8	434.010
Se	78	2	H2	0.135292	8.3	166.333
Sr	88	1	He	95.042291	4.8	1767757.313
Mo	95	1	He	38.879373	4.9	307734.547
Pd	105	1	He	0.017927	28.7	246.677
Ag	107	1	He	0.072845	7.7	2590.223
Cd	111	1	He	0.015483	35.0	72.680
Sn	118	1	He	0.033265	2.2	560.020
Sb	121	1	He	0.021795	9.0	426.677
Ba	138	1	He	1.061567	3.5	40999.827
Pt	195	1	He	0.009346	9.1	223.343
Hg	202	1	He	0.021339	12.4	230.010
Tl	205	1	He	0.013106	33.2	1431.750
Pb	206	1	He	0.010882	12.5	286.677
Pb	207	1	He	0.010419	12.4	1108.383
Pb	208	1	He	0.010285	19.5	1971.743
Bi	209	1	He	0.005326	5.3	1860.143
Th	232	1	He	0.005369	22.4	473.347
U	238	1	He	0.126487	4.8	10190.063

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.87672853	993852.440
Sc	45	2	H2	93.99992241	6300036.167
Ge	72	1	He	89.44987501	605702.187
Ge	72	2	H2	94.05195660	1705964.707
In	115	1	He	92.41545794	6736526.357
Tb	159	1	He	95.35721978	15440450.187
Ir	193	1	He	93.82158241	7334241.350

Sample Name	10608162001_B70212Dx50
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	073SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:33:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.081877	30.2	127.167
Be	9	2	H2	0.010786	52.6	13.000
B	11	2	H2	3.267178	25.0	5114.140
Na	23	1	He	313.724542	0.9	600951.750
Mg	24	1	He	10.748886	6.1	14500.770
Al	27	1	He	1.289622	2.4	963.363
Si	28	2	H2	11.023198	5.9	60269.333
K	39	1	He	114.487500	2.1	302009.003
Ca	43	1	He	409.041584	1.8	1944.457
Ca	44	1	He	414.179350	1.1	32978.980
Ti	47	1	He	0.013537	50.4	10.000
V	51	1	He	-0.008121		-1809.640
Cr	52	1	He	0.016226	37.6	779.353
Mn	55	1	He	0.019976	10.2	1131.373
Fe	56	1	He	0.211629	14.4	19504.520
Co	59	1	He	-0.002641		45.333
Ni	60	1	He	-0.103179		319.337
Cu	63	1	He	0.027164	29.8	662.680
Zn	66	1	He	0.167831	15.5	669.350
As	75	1	He	-0.009733		239.833
Se	78	2	H2	0.005555	16.1	23.000
Sr	88	1	He	1.845578	1.5	35537.643
Mo	95	1	He	0.736348	5.2	6027.767
Pd	105	1	He	0.003965	51.3	83.333
Ag	107	1	He	0.010300	49.3	1135.050
Cd	111	1	He	0.001082	97.2	8.190
Sn	118	1	He	0.098874	5.1	1373.400
Sb	121	1	He	0.001784	103.1	121.667
Ba	138	1	He	0.021725	28.9	1013.373
Pt	195	1	He	0.003555	97.5	143.337
Hg	202	1	He	0.008364	98.6	140.003
Tl	205	1	He	-0.004472		528.347
Pb	206	1	He	0.003314	106.7	156.667
Pb	207	1	He	0.001084	123.0	993.377
Pb	208	1	He	0.002486	17.7	1461.720
Bi	209	1	He	0.003986	32.8	1830.143
Th	232	1	He	0.001690	28.7	191.667
U	238	1	He	0.002964	34.4	331.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.96908940	1027671.333
Sc	45	2	H2	94.55887556	6337498.167
Ge	72	1	He	92.04455394	623271.833
Ge	72	2	H2	93.59471901	1697671.087
In	115	1	He	94.95442524	6921601.673
Tb	159	1	He	97.68402400	15817211.430
Ir	193	1	He	96.31483006	7529144.053

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	074_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:36:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.541200	5.1	60012.863
Be	9	2	H2	82.028254	3.7	50807.167
B	11	2	H2	83.458410	1.6	57094.070
Na	23	1	He	2055.767761	0.5	3737975.257
Mg	24	1	He	2043.366213	0.7	2058018.980
Al	27	1	He	2017.006412	0.6	1098712.210
Si	28	2	H2	1025.393956	4.5	4326676.250
K	39	1	He	2026.014831	0.7	3156296.310
Ca	43	1	He	2024.743827	1.0	9321.160
Ca	44	1	He	1996.712920	1.2	153941.290
Ti	47	1	He	77.672734	1.3	38351.500
V	51	1	He	81.922477	0.7	955227.493
Cr	52	1	He	83.329203	1.1	1163954.337
Mn	55	1	He	83.949033	1.1	886388.627
Fe	56	1	He	1041.279076	0.7	13307942.333
Co	59	1	He	83.545565	1.3	1707489.960
Ni	60	1	He	84.563887	0.3	423852.847
Cu	63	1	He	86.169089	0.3	1111196.333
Zn	66	1	He	81.792866	0.5	217548.493
As	75	1	He	79.101140	0.5	172424.413
Se	78	2	H2	80.149159	1.3	85102.007
Sr	88	1	He	76.726761	0.5	1417334.510
Mo	95	1	He	82.861463	1.0	667451.267
Pd	105	1	He	80.175909	1.0	945196.160
Ag	107	1	He	40.410662	3.6	950208.527
Cd	111	1	He	79.171090	0.3	354074.177
Sn	118	1	He	79.419891	1.8	932683.393
Sb	121	1	He	75.734555	1.7	1160330.867
Ba	138	1	He	80.022497	0.5	3059782.350
Pt	195	1	He	80.920434	1.5	1151435.480
Hg	202	1	He	3.618094	3.6	26038.217
Tl	205	1	He	40.489190	0.5	2105548.563
Pb	206	1	He	83.210459	1.5	1469278.623
Pb	207	1	He	86.435427	0.7	1275208.863
Pb	208	1	He	84.168187	0.9	5862191.713
Bi	209	1	He	85.813043	0.2	4703294.200
Th	232	1	He	79.853351	0.9	6288478.240
U	238	1	He	77.514678	0.5	6243888.867

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.38342353	999393.793
Sc	45	2	H2	91.00215527	6099120.667
Ge	72	1	He	90.90682366	615567.790
Ge	72	2	H2	90.44525223	1640544.373
In	115	1	He	91.65441478	6681050.927
Tb	159	1	He	94.66344263	15328112.270
Ir	193	1	He	94.49544439	7386918.637

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	075_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:40:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.062608	26.9	112.000
Be	9	2	H2	0.019707	33.9	18.667
B	11	2	H2	2.498292	28.4	4590.650
Na	23	1	He	11.679002	3.4	38357.877
Mg	24	1	He	-2.423970		873.360
Al	27	1	He	0.236648	16.9	370.337
Si	28	2	H2	-0.194803		11153.487
K	39	1	He	6.676231	20.9	134765.120
Ca	43	1	He	0.481724	175.1	12.343
Ca	44	1	He	0.341445	124.2	203.480
Ti	47	1	He	0.004452	104.1	5.333
V	51	1	He	-0.019436		-1929.720
Cr	52	1	He	0.000291	1401.5	545.343
Mn	55	1	He	-0.062373		236.000
Fe	56	1	He	-0.139467		14762.707
Co	59	1	He	0.001891	60.5	139.333
Ni	60	1	He	-0.116550		252.000
Cu	63	1	He	0.024912	7.9	634.010
Zn	66	1	He	0.000720	2137.6	220.000
As	75	1	He	-0.000205		261.167
Se	78	2	H2	0.011591	26.2	29.667
Sr	88	1	He	0.004191	61.3	303.340
Mo	95	1	He	0.012071	12.5	121.667
Pd	105	1	He	0.010768	71.5	166.670
Ag	107	1	He	0.197970	14.4	5702.667
Cd	111	1	He	0.007222	52.0	36.630
Sn	118	1	He	0.015976	11.4	365.010
Sb	121	1	He	0.007045	58.7	205.000
Ba	138	1	He	0.009647	13.6	535.013
Pt	195	1	He	0.006765	43.8	190.007
Hg	202	1	He	0.028303	47.5	286.680
Tl	205	1	He	0.045542	18.4	3202.027
Pb	206	1	He	0.007658	56.9	235.007
Pb	207	1	He	0.014818	34.8	1198.393
Pb	208	1	He	0.009137	10.6	1933.410
Bi	209	1	He	0.005042	35.9	1883.480
Th	232	1	He	0.009005	7.6	783.360
U	238	1	He	0.004899	12.9	493.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.12810735	1018474.127
Sc	45	2	H2	94.22453866	6315090.333
Ge	72	1	He	92.16668499	624098.833
Ge	72	2	H2	93.76817550	1700817.333
In	115	1	He	94.89718010	6917428.850
Tb	159	1	He	97.36571013	15765669.350
Ir	193	1	He	96.83854019	7570083.637

Sample Name	CRDL
Sample Type	CRDL
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	076CRD.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:44:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.549126	9.5	474.510
Be	9	2	H2	0.213603	6.6	142.000
B	11	2	H2	12.998262	5.0	11590.473
Na	23	1	He	62.711752	0.8	131972.330
Mg	24	1	He	30.208708	3.4	34179.933
Al	27	1	He	31.237893	0.6	17504.900
Si	28	2	H2	103.584691	7.2	460560.270
K	39	1	He	112.279630	2.1	294729.517
Ca	43	1	He	97.628094	0.8	465.747
Ca	44	1	He	107.240868	3.6	8556.843
Ti	47	1	He	0.967814	6.4	488.010
V	51	1	He	0.856795	1.0	8467.677
Cr	52	1	He	2.081487	1.0	30035.470
Mn	55	1	He	0.477194	2.2	6011.683
Fe	56	1	He	53.231257	1.2	706136.543
Co	59	1	He	0.537106	0.8	11231.537
Ni	60	1	He	0.429009	1.5	3019.600
Cu	63	1	He	1.089966	0.9	14557.250
Zn	66	1	He	5.048345	2.0	13820.687
As	75	1	He	0.500013	2.1	1365.217
Se	78	2	H2	0.503764	1.2	570.010
Sr	88	1	He	0.477045	2.4	9290.873
Mo	95	1	He	0.512494	6.6	4208.887
Pd	105	1	He	0.484168	3.4	5911.120
Ag	107	1	He	0.504686	4.8	13081.717
Cd	111	1	He	0.076538	28.8	355.413
Sn	118	1	He	0.472580	3.8	5882.723
Sb	121	1	He	0.500031	4.9	7976.943
Ba	138	1	He	0.308277	1.4	12299.590
Pt	195	1	He	0.479880	5.5	7125.063
Hg	202	1	He	0.136399	10.6	1086.730
Tl	205	1	He	0.094361	4.1	5821.113
Pb	206	1	He	0.516444	2.9	9491.223
Pb	207	1	He	0.516667	2.5	8822.517
Pb	208	1	He	0.508593	0.6	37770.690
Bi	209	1	He	0.508282	4.0	30292.370
Th	232	1	He	0.489148	1.2	39604.980
U	238	1	He	0.478028	1.7	39620.090

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.75072396	1014346.960
Sc	45	2	H2	93.63748765	6275745.167
Ge	72	1	He	92.18309613	624209.960
Ge	72	2	H2	93.51972214	1696310.753
In	115	1	He	94.34583172	6877238.897
Tb	159	1	He	97.53402399	15792923.100
Ir	193	1	He	97.02415068	7584593.220

Sample Name	4310637_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	077SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:47:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.037922	24.5	93.167
Be	9	2	H2	0.011329	19.2	13.333
B	11	2	H2	5.163907	16.4	6384.563
Na	23	1	He	13.729709	9.9	40849.807
Mg	24	1	He	0.381478	84.4	3630.393
Al	27	1	He	5.539906	8.3	3209.947
Si	28	2	H2	4.003469	8.5	29420.073
K	39	1	He	9.080172	80.6	134091.703
Ca	43	1	He	11.794392	6.7	63.407
Ca	44	1	He	10.987602	6.9	1007.293
Ti	47	1	He	0.042734	29.1	24.000
V	51	1	He	-0.030353		-1995.950
Cr	52	1	He	0.105294	6.3	1978.117
Mn	55	1	He	-0.032217		543.343
Fe	56	1	He	1.307680	12.6	32553.880
Co	59	1	He	-0.000022		94.667
Ni	60	1	He	-0.110513		272.000
Cu	63	1	He	0.064270	16.5	1098.703
Zn	66	1	He	0.693480	9.1	1998.783
As	75	1	He	-0.002674		245.167
Se	78	2	H2	0.003524	125.4	20.667
Sr	88	1	He	0.020280	35.2	588.350
Mo	95	1	He	0.005044	8.6	61.667
Pd	105	1	He	0.003326	52.7	73.333
Ag	107	1	He	0.031828	31.0	1596.757
Cd	111	1	He	0.003028	18.1	16.647
Sn	118	1	He	0.029230	22.1	506.680
Sb	121	1	He	0.005599	32.5	176.667
Ba	138	1	He	0.019076	4.9	873.363
Pt	195	1	He	0.008230	52.6	203.340
Hg	202	1	He	0.014801	53.4	180.007
Tl	205	1	He	0.001753	111.9	826.697
Pb	206	1	He	0.010847	36.8	280.007
Pb	207	1	He	0.007891	90.0	1051.717
Pb	208	1	He	0.008430	42.2	1808.400
Bi	209	1	He	0.004884	51.4	1806.807
Th	232	1	He	0.002199	6.7	230.000
U	238	1	He	0.001254	20.0	188.337

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.48744834	989595.167
Sc	45	2	H2	94.10807143	6307284.500
Ge	72	1	He	88.57698108	599791.460
Ge	72	2	H2	93.21078484	1690707.083
In	115	1	He	91.88656478	6697973.253
Tb	159	1	He	93.99815401	15220387.277
Ir	193	1	He	95.02626493	7428414.057

Sample Name	4310638_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	078SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:51:15
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	108.770799	5.6	78787.307
Be	9	2	H2	109.541624	4.5	67609.143
B	11	2	H2	115.230789	5.5	77504.417
Na	23	1	He	2195.310751	0.3	3947553.900
Mg	24	1	He	2171.655438	0.8	2163424.967
Al	27	1	He	2142.016060	0.1	1154222.917
Si	28	2	H2	549.666075	5.8	2316668.167
K	39	1	He	2176.273922	0.2	3344869.013
Ca	43	1	He	2153.409818	1.5	9806.393
Ca	44	1	He	2109.012210	0.5	160840.397
Ti	47	1	He	100.055741	0.7	48869.850
V	51	1	He	106.738129	1.0	1231647.013
Cr	52	1	He	109.612747	0.8	1514431.210
Mn	55	1	He	109.665153	0.3	1145183.330
Fe	56	1	He	2211.169986	0.9	27936992.667
Co	59	1	He	111.342549	0.3	2268553.000
Ni	60	1	He	112.217518	0.4	560417.127
Cu	63	1	He	111.311101	0.9	1430730.003
Zn	66	1	He	108.700868	0.2	288138.533
As	75	1	He	102.899118	0.6	223515.483
Se	78	2	H2	105.971260	0.8	112358.757
Sr	88	1	He	102.152309	0.4	1860707.523
Mo	95	1	He	106.713433	0.4	856914.310
Pd	105	1	He	20.913979	1.4	243155.617
Ag	107	1	He	52.287520	3.3	1212145.997
Cd	111	1	He	105.976926	1.5	467363.723
Sn	118	1	He	101.065083	1.1	1170365.140
Sb	121	1	He	98.801740	0.5	1492720.913
Ba	138	1	He	104.296769	0.9	4000705.987
Pt	195	1	He	21.109960	1.0	301415.753
Hg	202	1	He	0.015379	36.4	186.673
Tl	205	1	He	110.280391	0.4	5752171.997
Pb	206	1	He	110.669164	0.7	1960361.583
Pb	207	1	He	110.571989	0.7	1636293.360
Pb	208	1	He	110.259746	0.6	7703804.153
Bi	209	1	He	110.783819	0.9	6091049.280
Th	232	1	He	108.322524	1.9	8543089.870
U	238	1	He	103.358933	2.3	8337645.500

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.39659225	988601.540
Sc	45	2	H2	90.65878149	6076107.167
Ge	72	1	He	90.61919346	613620.127
Ge	72	2	H2	90.31069543	1638103.710
In	115	1	He	90.38140946	6588256.560
Tb	159	1	He	94.97205279	15378083.103
Ir	193	1	He	94.65334895	7399262.387

Sample Name	10606561001_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	079SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:54:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.064451	32.6	114.833
Be	9	2	H2	0.023822	31.5	21.667
B	11	2	H2	4.190235	6.5	5791.027
Na	23	1	He	75.677255	1.0	156952.803
Mg	24	1	He	1.976362	9.1	5400.837
Al	27	1	He	9.592252	1.5	5581.510
Si	28	2	H2	8.904937	5.4	51385.150
K	39	1	He	9.226216	6.5	139125.600
Ca	43	1	He	23.673465	6.8	121.437
Ca	44	1	He	27.559923	4.2	2347.390
Ti	47	1	He	0.110032	17.6	58.667
V	51	1	He	-0.009588		-1817.990
Cr	52	1	He	0.462787	1.0	7150.093
Mn	55	1	He	0.165165	3.6	2690.880
Fe	56	1	He	6.662931	1.0	103600.790
Co	59	1	He	0.012264	12.7	352.003
Ni	60	1	He	-0.007886		798.687
Cu	63	1	He	0.072661	7.5	1251.380
Zn	66	1	He	1.810338	1.0	5065.397
As	75	1	He	-0.003390		252.667
Se	78	2	H2	0.004251	127.4	21.667
Sr	88	1	He	0.145180	3.9	2986.953
Mo	95	1	He	0.032165	37.6	283.337
Pd	105	1	He	0.001532	111.4	53.333
Ag	107	1	He	0.219843	23.8	6206.207
Cd	111	1	He	0.005077	48.9	26.580
Sn	118	1	He	0.072951	8.3	1053.380
Sb	121	1	He	0.016691	25.5	356.677
Ba	138	1	He	0.135139	3.2	5479.267
Pt	195	1	He	0.011522	35.5	260.010
Hg	202	1	He	0.007061	102.8	130.003
Tl	205	1	He	0.021125	37.2	1898.467
Pb	206	1	He	0.039717	5.0	818.363
Pb	207	1	He	0.041687	6.2	1608.427
Pb	208	1	He	0.040601	7.4	4193.573
Bi	209	1	He	0.008982	57.2	2110.190
Th	232	1	He	0.013295	7.5	1140.057
U	238	1	He	0.004668	12.4	478.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.44058409	1021891.457
Sc	45	2	H2	95.28964368	6386475.500
Ge	72	1	He	91.63366933	620489.563
Ge	72	2	H2	93.91387599	1703460.127
In	115	1	He	94.51515856	6889581.797
Tb	159	1	He	97.51391402	15789666.850
Ir	193	1	He	97.70700195	7637973.220

Sample Name	4312121_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	080SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:58:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	83.379327	6.1	61404.173
Be	9	2	H2	83.334664	5.2	52286.730
B	11	2	H2	84.257246	6.6	58391.737
Na	23	1	He	2156.892313	0.7	3955826.507
Mg	24	1	He	2066.644579	1.2	2099887.157
Al	27	1	He	2058.809696	0.3	1131450.583
Si	28	2	H2	1050.006551	5.9	4487376.417
K	39	1	He	2073.609607	0.4	3256244.223
Ca	43	1	He	2116.256847	1.2	9828.403
Ca	44	1	He	2066.198063	1.2	160709.543
Ti	47	1	He	77.483212	0.4	38597.997
V	51	1	He	84.340651	0.0	992218.080
Cr	52	1	He	86.033214	0.3	1212405.290
Mn	55	1	He	85.182930	0.5	907407.000
Fe	56	1	He	1065.205943	0.6	13734273.333
Co	59	1	He	85.770708	0.8	1776634.333
Ni	60	1	He	86.347957	0.5	438623.623
Cu	63	1	He	87.403181	0.1	1142275.750
Zn	66	1	He	84.556982	0.3	227925.547
As	75	1	He	80.769500	0.2	178431.650
Se	78	2	H2	81.171924	1.8	87792.273
Sr	88	1	He	79.537622	0.4	1480548.000
Mo	95	1	He	81.922371	0.5	668801.763
Pd	105	1	He	81.256337	1.1	965326.707
Ag	107	1	He	42.048700	2.5	996357.120
Cd	111	1	He	82.149009	0.6	370222.167
Sn	118	1	He	78.487863	0.9	928874.593
Sb	121	1	He	76.544587	1.5	1181822.927
Ba	138	1	He	81.520747	1.3	3166161.310
Pt	195	1	He	81.010764	0.4	1170996.990
Hg	202	1	He	0.010929	17.4	156.667
Tl	205	1	He	42.326114	0.7	2235797.833
Pb	206	1	He	84.762279	0.5	1520327.840
Pb	207	1	He	85.538208	0.6	1282000.993
Pb	208	1	He	84.401310	0.2	5971436.807
Bi	209	1	He	84.627889	1.3	4711512.323
Th	232	1	He	79.595280	1.2	6331021.367
U	238	1	He	80.429317	1.8	6543176.570

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.19424051	1008261.107
Sc	45	2	H2	92.16339828	6176949.167
Ge	72	1	He	92.13158942	623861.187
Ge	72	2	H2	92.13235321	1671145.913
In	115	1	He	92.36015905	6732495.403
Tb	159	1	He	96.16282532	15570895.603
Ir	193	1	He	95.45392913	7461845.517

Sample Name	4312122_B69998Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	081SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:02:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.053125	60.8	106.333
Be	9	2	H2	0.022104	53.3	20.500
B	11	2	H2	2.692258	38.9	4780.717
Na	23	1	He	25.423004	1.1	64138.330
Mg	24	1	He	2.560761	6.3	6021.027
Al	27	1	He	3.460231	5.7	2173.797
Si	28	2	H2	2.101679	11.2	21397.077
K	39	1	He	7.071316	33.1	136260.740
Ca	43	1	He	259.102281	1.5	1232.617
Ca	44	1	He	270.337863	2.0	21534.843
Ti	47	1	He	0.034675	53.9	20.667
V	51	1	He	-0.012775		-1864.893
Cr	52	1	He	0.100214	4.5	1980.117
Mn	55	1	He	0.077679	13.8	1752.760
Fe	56	1	He	1.956457	1.1	42309.243
Co	59	1	He	0.004976	25.4	204.667
Ni	60	1	He	-0.092237		378.003
Cu	63	1	He	0.712286	1.6	9687.967
Zn	66	1	He	1.064480	3.3	3108.283
As	75	1	He	-0.001116		261.000
Se	78	2	H2	0.004959	109.8	22.667
Sr	88	1	He	0.862906	4.2	16768.130
Mo	95	1	He	0.016013	14.7	155.000
Pd	105	1	He	0.005310	25.6	100.000
Ag	107	1	He	0.202714	18.1	5827.723
Cd	111	1	He	0.006871	69.5	34.953
Sn	118	1	He	0.024783	2.6	473.343
Sb	121	1	He	0.008906	35.5	235.003
Ba	138	1	He	0.455511	1.7	18179.890
Pt	195	1	He	0.009859	14.1	236.677
Hg	202	1	He	0.010582	46.7	156.670
Tl	205	1	He	0.045429	26.6	3215.370
Pb	206	1	He	0.046554	4.0	946.703
Pb	207	1	He	0.036389	17.8	1535.090
Pb	208	1	He	0.043181	7.5	4398.597
Bi	209	1	He	0.008002	31.3	2063.517
Th	232	1	He	0.008488	11.7	750.027
U	238	1	He	0.004253	9.4	445.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.74916950	1025266.230
Sc	45	2	H2	95.27086369	6385216.833
Ge	72	1	He	92.82993292	628589.960
Ge	72	2	H2	94.88431893	1721062.540
In	115	1	He	95.14872902	6935765.240
Tb	159	1	He	97.95579033	15861216.430
Ir	193	1	He	97.97041343	7658564.680

Sample Name	4310639_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	082SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:05:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	105.263939	6.0	77072.687
Be	9	2	H2	105.461213	5.6	65801.873
B	11	2	H2	108.733739	5.7	74100.463
Na	23	1	He	2219.280453	1.6	4097406.710
Mg	24	1	He	2131.997157	1.0	2180968.823
Al	27	1	He	2097.156642	1.1	1160342.540
Si	28	2	H2	542.651060	6.1	2311761.083
K	39	1	He	2143.779939	1.5	3385082.343
Ca	43	1	He	2144.408687	1.3	10026.780
Ca	44	1	He	2124.986222	0.5	166412.777
Ti	47	1	He	98.501040	1.9	49397.270
V	51	1	He	105.135612	0.9	1245694.590
Cr	52	1	He	108.728168	1.8	1542442.207
Mn	55	1	He	108.175232	0.9	1159929.290
Fe	56	1	He	2170.761590	1.4	28161572.000
Co	59	1	He	110.452526	1.0	2300566.167
Ni	60	1	He	111.031117	0.8	566860.250
Cu	63	1	He	109.409812	0.8	1437677.543
Zn	66	1	He	110.779543	0.1	300192.303
As	75	1	He	102.041802	0.9	226598.503
Se	78	2	H2	101.707400	1.1	109254.647
Sr	88	1	He	101.883694	0.9	1883791.380
Mo	95	1	He	105.476875	1.2	865845.483
Pd	105	1	He	21.136429	1.6	249455.157
Ag	107	1	He	52.064502	2.6	1225357.663
Cd	111	1	He	104.193477	0.5	466446.150
Sn	118	1	He	100.191397	0.5	1177795.507
Sb	121	1	He	97.546659	1.4	1495941.177
Ba	138	1	He	104.330679	1.2	4015311.500
Pt	195	1	He	21.333195	2.2	305591.003
Hg	202	1	He	0.015304	26.9	186.673
Tl	205	1	He	109.118839	1.2	5710374.707
Pb	206	1	He	110.225224	0.6	1959030.907
Pb	207	1	He	110.022573	1.9	1633512.060
Pb	208	1	He	109.625759	1.5	7684781.863
Bi	209	1	He	109.597164	1.6	6045704.493
Th	232	1	He	107.546625	1.8	8477349.667
U	238	1	He	101.975769	0.8	8222229.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.82551119	1015164.853
Sc	45	2	H2	91.66452266	6143513.667
Ge	72	1	He	92.63960784	627301.190
Ge	72	2	H2	91.49453984	1659576.913
In	115	1	He	91.74566143	6687702.253
Tb	159	1	He	95.29044645	15429638.103
Ir	193	1	He	94.58871073	7394209.473

Sample Name	4310640_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	083SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:09:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	105.859008	6.6	78799.987
Be	9	2	H2	105.686410	5.9	67041.430
B	11	2	H2	101.493080	6.9	70520.210
Na	23	1	He	2251.565487	1.5	4139859.937
Mg	24	1	He	2155.452268	0.9	2195941.270
Al	27	1	He	2135.186477	1.3	1176571.293
Si	28	2	H2	539.154585	6.9	2335745.167
K	39	1	He	2176.630070	1.6	3421063.283
Ca	43	1	He	2195.103293	2.2	10221.597
Ca	44	1	He	2155.739797	2.0	168122.230
Ti	47	1	He	100.043610	0.9	49970.147
V	51	1	He	107.460198	2.1	1268066.133
Cr	52	1	He	109.787405	1.4	1551156.337
Mn	55	1	He	109.417065	0.8	1168470.377
Fe	56	1	He	2219.280253	1.3	28674035.333
Co	59	1	He	110.353149	0.6	2325867.750
Ni	60	1	He	111.864391	0.3	577917.187
Cu	63	1	He	110.316275	0.8	1466857.500
Zn	66	1	He	109.171819	0.4	299363.873
As	75	1	He	102.334779	0.8	229954.697
Se	78	2	H2	103.466823	1.2	112869.453
Sr	88	1	He	105.230823	1.4	1922379.033
Mo	95	1	He	107.330777	1.3	891556.757
Pd	105	1	He	21.804029	0.2	254254.990
Ag	107	1	He	53.021594	1.0	1232845.580
Cd	111	1	He	106.732181	0.6	472083.580
Sn	118	1	He	101.433395	0.4	1178112.170
Sb	121	1	He	100.012410	0.4	1515462.217
Ba	138	1	He	106.092995	1.9	4092778.690
Pt	195	1	He	21.618163	1.3	310426.923
Hg	202	1	He	0.009235	45.0	143.333
Tl	205	1	He	109.563136	1.4	5747245.957
Pb	206	1	He	111.061426	1.0	1978566.430
Pb	207	1	He	111.784874	1.4	1663712.267
Pb	208	1	He	110.640022	1.3	7774497.907
Bi	209	1	He	111.177709	0.8	6147694.700
Th	232	1	He	109.560688	1.2	8606636.333
U	238	1	He	104.871807	2.1	8426351.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.44633133	1011018.040
Sc	45	2	H2	93.17275022	6244597.667
Ge	72	1	He	93.74333734	634775.000
Ge	72	2	H2	92.91845840	1685404.710
In	115	1	He	90.64792976	6607684.273
Tb	159	1	He	95.51420361	15465869.353
Ir	193	1	He	94.26684396	7369048.433

Sample Name	10606563001_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	084SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:12:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.088223	14.9	122.000
Be	9	2	H2	0.048921	1.0	34.833
B	11	2	H2	4.133887	12.4	5287.503
Na	23	1	He	219.971330	0.7	401694.540
Mg	24	1	He	7.260407	4.5	10267.940
Al	27	1	He	38.111996	0.3	20334.453
Si	28	2	H2	26.915734	6.4	120181.777
K	39	1	He	15.516144	14.5	140878.807
Ca	43	1	He	40.884163	3.4	191.650
Ca	44	1	He	44.015809	2.1	3452.740
Ti	47	1	He	0.571246	9.2	276.000
V	51	1	He	0.038534	317.0	-1201.643
Cr	52	1	He	0.433839	4.0	6379.807
Mn	55	1	He	0.310126	5.2	4028.463
Fe	56	1	He	13.739158	0.6	185652.973
Co	59	1	He	0.012489	15.7	340.003
Ni	60	1	He	-0.005463		772.020
Cu	63	1	He	0.111339	2.0	1669.420
Zn	66	1	He	1.381654	3.6	3731.070
As	75	1	He	0.014922	67.5	279.000
Se	78	2	H2	0.015092	35.4	31.333
Sr	88	1	He	0.159014	4.5	3081.960
Mo	95	1	He	0.033373	6.8	280.007
Pd	105	1	He	0.002683	138.5	63.333
Ag	107	1	He	0.245747	13.2	6494.643
Cd	111	1	He	0.008431	35.6	39.917
Sn	118	1	He	0.045113	4.3	680.023
Sb	121	1	He	0.015483	7.6	320.010
Ba	138	1	He	0.260050	2.0	9751.257
Pt	195	1	He	0.013947	23.0	276.677
Hg	202	1	He	0.006417	108.0	116.667
Tl	205	1	He	0.030345	31.1	2251.853
Pb	206	1	He	0.091837	11.6	1653.437
Pb	207	1	He	0.078908	12.8	2038.490
Pb	208	1	He	0.090676	2.5	7295.710
Bi	209	1	He	0.010932	39.4	2083.510
Th	232	1	He	0.016006	2.0	1258.393
U	238	1	He	0.007835	16.5	688.357

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.52554938	968139.310
Sc	45	2	H2	87.59603044	5870836.333
Ge	72	1	He	87.24592587	590778.333
Ge	72	2	H2	87.76598404	1591946.373
In	115	1	He	89.67220780	6536560.060
Tb	159	1	He	91.42483474	14803709.777
Ir	193	1	He	90.40350707	7067042.813

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	085_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:16:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	80.217085	5.7	59463.513
Be	9	2	H2	80.308144	5.2	50713.800
B	11	2	H2	81.300899	6.0	56806.660
Na	23	1	He	2003.747340	1.0	3723686.613
Mg	24	1	He	1984.398178	0.9	2042557.783
Al	27	1	He	1960.979712	0.1	1091675.667
Si	28	2	H2	1006.748261	5.2	4331142.083
K	39	1	He	2002.202636	0.4	3189175.580
Ca	43	1	He	1979.088814	0.2	9311.600
Ca	44	1	He	1977.076710	0.3	155780.907
Ti	47	1	He	76.348763	0.2	38525.917
V	51	1	He	80.975300	1.2	964890.650
Cr	52	1	He	81.425563	0.5	1162374.163
Mn	55	1	He	82.810829	0.4	893602.853
Fe	56	1	He	1018.634342	0.9	13304506.333
Co	59	1	He	82.535092	1.0	1719682.960
Ni	60	1	He	82.929940	0.9	423747.510
Cu	63	1	He	85.069290	0.5	1118308.087
Zn	66	1	He	80.504003	0.3	218298.863
As	75	1	He	78.403136	0.6	174230.593
Se	78	2	H2	78.836129	0.7	85896.303
Sr	88	1	He	75.310913	0.1	1407854.877
Mo	95	1	He	81.122862	0.5	666212.597
Pd	105	1	He	78.960878	1.1	942072.953
Ag	107	1	He	40.020426	2.8	952421.183
Cd	111	1	He	79.093116	1.0	357969.040
Sn	118	1	He	78.394640	0.6	931717.953
Sb	121	1	He	75.122114	0.5	1164785.007
Ba	138	1	He	79.112568	0.6	3058296.307
Pt	195	1	He	79.279926	1.0	1140487.743
Hg	202	1	He	3.579725	0.4	26044.870
Tl	205	1	He	39.805137	1.1	2092745.803
Pb	206	1	He	80.847306	1.6	1443236.437
Pb	207	1	He	83.770895	1.5	1249511.803
Pb	208	1	He	81.457318	0.7	5735800.590
Bi	209	1	He	83.753781	0.6	4640981.283
Th	232	1	He	79.284366	0.0	6203869.490
U	238	1	He	77.121252	0.9	6172374.700

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.38960541	1021333.940
Sc	45	2	H2	92.75586047	6216657.000
Ge	72	1	He	92.67513660	627541.770
Ge	72	2	H2	92.79276836	1683124.877
In	115	1	He	92.75293760	6761126.577
Tb	159	1	He	95.70531906	15496815.187
Ir	193	1	He	93.89292063	7339818.017

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	086_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:19:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.067492	20.0	116.833
Be	9	2	H2	0.027795	11.3	24.167
B	11	2	H2	1.965688	33.6	4273.907
Na	23	1	He	6.964150	2.5	30196.257
Mg	24	1	He	-2.621402		683.353
Al	27	1	He	0.451970	12.2	498.677
Si	28	2	H2	-0.222689		11139.447
K	39	1	He	5.819478	25.0	135870.213
Ca	43	1	He	0.515571	40.7	12.717
Ca	44	1	He	0.595848	84.2	227.430
Ti	47	1	He	0.001654	236.8	4.000
V	51	1	He	-0.011026		-1862.120
Cr	52	1	He	-0.001546		528.677
Mn	55	1	He	-0.064282		219.333
Fe	56	1	He	-0.146605		14935.523
Co	59	1	He	0.002383	72.7	151.333
Ni	60	1	He	-0.121335		230.667
Cu	63	1	He	0.013545	30.3	491.343
Zn	66	1	He	0.030234	14.1	303.333
As	75	1	He	-0.014785		231.833
Se	78	2	H2	0.015354	26.2	34.333
Sr	88	1	He	0.002051	44.3	265.003
Mo	95	1	He	0.006252	44.8	75.000
Pd	105	1	He	0.006600	67.4	116.670
Ag	107	1	He	0.213317	15.5	6137.810
Cd	111	1	He	0.005367	57.3	28.310
Sn	118	1	He	0.012955	28.8	331.677
Sb	121	1	He	0.009813	52.5	251.670
Ba	138	1	He	0.004615	23.4	340.010
Pt	195	1	He	0.005966	48.2	180.003
Hg	202	1	He	0.023470	31.3	253.343
Tl	205	1	He	0.043380	27.2	3110.347
Pb	206	1	He	0.006473	23.3	215.000
Pb	207	1	He	0.005961	12.0	1073.380
Pb	208	1	He	0.006834	13.9	1783.393
Bi	209	1	He	0.005873	20.9	1946.817
Th	232	1	He	0.008783	7.0	778.363
U	238	1	He	0.003787	4.2	408.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.80910767	1036858.000
Sc	45	2	H2	95.18848741	6379695.833
Ge	72	1	He	93.31690010	631887.417
Ge	72	2	H2	95.10042661	1724982.417
In	115	1	He	95.89027128	6989819.173
Tb	159	1	He	98.20674417	15901851.427
Ir	193	1	He	98.49383036	7699481.343

Sample Name	4310659_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	087SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:23:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.072678	0.8	121.000
Be	9	2	H2	0.017605	33.7	17.667
B	11	2	H2	1.616242	34.7	4047.177
Na	23	1	He	8.043274	3.9	31206.250
Mg	24	1	He	0.859610	19.9	4183.837
Al	27	1	He	8.252276	3.8	4752.617
Si	28	2	H2	0.356735	50.1	13730.663
K	39	1	He	8.525755	28.6	135628.143
Ca	43	1	He	8.379837	20.3	48.523
Ca	44	1	He	8.943846	15.9	864.563
Ti	47	1	He	0.014137	103.1	10.000
V	51	1	He	-0.131087		-3203.523
Cr	52	1	He	0.038881	4.8	1080.037
Mn	55	1	He	-0.031617		558.010
Fe	56	1	He	0.242514	21.3	19447.780
Co	59	1	He	0.003628	21.0	170.667
Ni	60	1	He	-0.110583		275.333
Cu	63	1	He	0.258118	0.9	3591.040
Zn	66	1	He	0.495991	4.1	1516.740
As	75	1	He	0.012652	41.0	282.167
Se	78	2	H2	0.012087	24.8	30.667
Sr	88	1	He	0.017338	7.4	550.017
Mo	95	1	He	0.006388	53.3	73.333
Pd	105	1	He	0.008443	43.9	136.670
Ag	107	1	He	0.107742	22.4	3467.053
Cd	111	1	He	0.002616	76.6	14.980
Sn	118	1	He	1.505057	1.0	18323.223
Sb	121	1	He	0.002887	174.8	136.670
Ba	138	1	He	0.091568	8.9	3703.777
Pt	195	1	He	0.002863	165.6	130.003
Hg	202	1	He	0.017032	27.8	200.007
Tl	205	1	He	0.008164	40.7	1181.723
Pb	206	1	He	0.015058	26.2	363.343
Pb	207	1	He	0.020143	7.3	1260.063
Pb	208	1	He	0.017051	21.2	2461.770
Bi	209	1	He	0.004183	116.8	1803.470
Th	232	1	He	0.006003	0.8	540.013
U	238	1	He	0.001679	22.8	226.670

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.84770980	1004471.353
Sc	45	2	H2	95.43110529	6395956.500
Ge	72	1	He	89.87525683	608582.623
Ge	72	2	H2	95.14310040	1725756.457
In	115	1	He	94.14695422	6862741.933
Tb	159	1	He	95.88542614	15525978.520
Ir	193	1	He	96.67087624	7556976.973

Sample Name	4310660_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	088SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:27:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	58.874300	3.7	43972.027
Be	9	2	H2	59.529984	3.3	37866.897
B	11	2	H2	62.459474	4.8	44620.637
Na	23	1	He	1162.870434	0.8	2148265.853
Mg	24	1	He	1151.008955	1.6	1175324.750
Al	27	1	He	1134.444297	1.2	625844.187
Si	28	2	H2	301.027392	3.8	1312582.627
K	39	1	He	1154.493819	0.8	1874445.023
Ca	43	1	He	1158.718650	1.6	5405.837
Ca	44	1	He	1131.119714	2.7	88381.823
Ti	47	1	He	53.953284	1.3	26975.917
V	51	1	He	58.808227	1.9	693880.470
Cr	52	1	He	59.026334	1.2	835034.957
Mn	55	1	He	58.432172	1.0	625013.877
Fe	56	1	He	1175.775057	0.5	15213772.000
Co	59	1	He	59.819897	1.2	1245664.543
Ni	60	1	He	59.744842	0.9	305321.617
Cu	63	1	He	60.180076	0.9	790690.563
Zn	66	1	He	56.528367	0.6	153238.383
As	75	1	He	54.587649	0.6	121303.340
Se	78	2	H2	56.044329	0.8	61665.897
Sr	88	1	He	54.929785	2.1	1024284.853
Mo	95	1	He	57.492414	1.0	471813.990
Pd	105	1	He	11.470424	1.4	136527.513
Ag	107	1	He	28.836803	4.6	684720.527
Cd	111	1	He	55.693139	2.0	251417.647
Sn	118	1	He	55.600282	2.2	659164.573
Sb	121	1	He	53.364779	2.6	825337.253
Ba	138	1	He	55.849369	1.4	2180103.667
Pt	195	1	He	11.176157	2.0	162426.083
Hg	202	1	He	3.976645	1.7	29207.080
Tl	205	1	He	57.261872	1.1	3039620.787
Pb	206	1	He	57.474701	2.4	1036049.153
Pb	207	1	He	57.837389	2.8	871422.223
Pb	208	1	He	57.575647	1.9	4094166.500
Bi	209	1	He	58.216805	1.3	3257938.283
Th	232	1	He	56.097507	1.6	4537036.077
U	238	1	He	53.315679	1.2	4410618.477

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.52964950	1011929.230
Sc	45	2	H2	93.44975496	6263163.000
Ge	72	1	He	92.60489673	627066.147
Ge	72	2	H2	93.70556258	1699681.627
In	115	1	He	92.51573821	6743836.180
Tb	159	1	He	96.64021252	15648195.187
Ir	193	1	He	97.04598546	7586300.093

Sample Name	10606560001_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	089SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:30:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.456000	5.5	4152.960
Be	9	2	H2	0.206180	7.6	137.667
B	11	2	H2	2.569183	6.4	4617.330
Na	23	1	He	356.168405	0.7	665773.557
Mg	24	1	He	2897.157373	0.4	2936521.730
Al	27	1	He	5830.970722	0.3	3197616.000
Si	28	2	H2	896.847327	4.9	3905780.500
K	39	1	He	728.400660	0.9	1221456.757
Ca	43	1	He	6160.814364	0.0	28536.920
Ca	44	1	He	6391.867470	0.3	495804.650
Ti	47	1	He	934.455329	0.6	464536.480
V	51	1	He	44.619100	0.6	523071.573
Cr	52	1	He	9.676309	0.5	136564.890
Mn	55	1	He	298.457429	0.7	3170588.667
Fe	56	1	He	14446.49756	0.6	185695925.333
Co	59	1	He	5.854894	0.1	119945.403
Ni	60	1	He	10.881289	0.2	55349.787
Cu	63	1	He	9.564252	0.7	123788.027
Zn	66	1	He	55.467015	0.7	147827.163
As	75	1	He	2.069049	1.0	4769.137
Se	78	2	H2	0.174767	11.7	207.000
Sr	88	1	He	27.558904	1.4	507361.460
Mo	95	1	He	0.220075	9.8	1796.780
Pd	105	1	He	0.034044	6.3	433.350
Ag	107	1	He	0.319712	17.1	8335.447
Cd	111	1	He	0.144419	18.1	646.143
Sn	118	1	He	1.620003	5.1	19115.737
Sb	121	1	He	0.085508	5.2	1395.070
Ba	138	1	He	80.125236	0.6	3128750.683
Pt	195	1	He	0.001814	122.3	116.667
Hg	202	1	He	0.044960	5.6	406.680
Tl	205	1	He	0.078378	5.1	4920.823
Pb	206	1	He	6.537541	2.5	117970.273
Pb	207	1	He	6.631048	1.2	100793.443
Pb	208	1	He	6.565545	1.3	468151.617
Bi	209	1	He	0.086535	10.1	6431.423
Th	232	1	He	4.870870	1.3	389645.320
U	238	1	He	0.787116	0.9	64482.383

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.00939107	1006239.543
Sc	45	2	H2	93.87401048	6291597.333
Ge	72	1	He	91.04634153	616512.523
Ge	72	2	H2	92.73040812	1681993.753
In	115	1	He	91.32487205	6657029.260
Tb	159	1	He	96.67422061	15653701.850
Ir	193	1	He	95.96964938	7502160.513

Sample Name	10606560002_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	090SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:34:18
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.783783	3.1	4492.537
Be	9	2	H2	0.225053	10.1	153.167
B	11	2	H2	2.081117	47.3	4387.277
Na	23	1	He	328.287401	0.4	631685.273
Mg	24	1	He	2851.667966	0.3	2969141.203
Al	27	1	He	6119.110965	0.7	3446874.750
Si	28	2	H2	931.538874	5.2	4144817.917
K	39	1	He	862.072602	1.1	1461552.373
Ca	43	1	He	3006.227017	1.7	14309.067
Ca	44	1	He	3119.221215	1.1	248630.797
Ti	47	1	He	803.031553	0.5	410053.907
V	51	1	He	37.581238	1.2	452297.943
Cr	52	1	He	10.535283	1.3	152674.667
Mn	55	1	He	194.106721	0.7	2118476.833
Fe	56	1	He	13371.93557	0.7	176552250.667
Co	59	1	He	5.560849	1.0	116976.700
Ni	60	1	He	10.340587	2.1	54053.860
Cu	63	1	He	8.322975	1.3	110654.297
Zn	66	1	He	61.088074	2.2	167140.917
As	75	1	He	1.942426	1.9	4613.097
Se	78	2	H2	0.162541	6.0	198.333
Sr	88	1	He	23.462148	2.0	445410.643
Mo	95	1	He	0.190655	6.6	1603.427
Pd	105	1	He	0.036249	15.2	473.350
Ag	107	1	He	0.114684	2.6	3645.423
Cd	111	1	He	0.184832	14.6	852.880
Sn	118	1	He	1.278467	0.7	15592.173
Sb	121	1	He	0.055449	22.5	965.037
Ba	138	1	He	85.505375	1.5	3413314.117
Pt	195	1	He	0.004545	49.4	160.003
Hg	202	1	He	0.024630	21.7	263.343
Tl	205	1	He	0.084603	1.5	5369.290
Pb	206	1	He	5.569740	2.2	102758.743
Pb	207	1	He	5.709106	3.5	88853.883
Pb	208	1	He	5.595271	2.2	408067.940
Bi	209	1	He	0.041790	16.7	4017.280
Th	232	1	He	2.324623	3.5	190310.560
U	238	1	He	0.574314	3.6	48167.210

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.51005294	1033587.457
Sc	45	2	H2	95.91564972	6428431.500
Ge	72	1	He	93.48625171	633034.167
Ge	72	2	H2	94.97195942	1722652.210
In	115	1	He	94.16474193	6864038.550
Tb	159	1	He	98.83983115	16004362.260
Ir	193	1	He	98.21123585	7677390.303

Sample Name	10606560003_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	091SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:37:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.034933	3.9	4746.597
Be	9	2	H2	0.224701	10.1	155.167
B	11	2	H2	2.304942	19.5	4600.660
Na	23	1	He	253.908479	0.5	499378.340
Mg	24	1	He	2937.774741	0.5	3101767.663
Al	27	1	He	5812.589422	0.6	3320307.167
Si	28	2	H2	953.633556	3.4	4297312.917
K	39	1	He	871.214673	0.5	1496571.490
Ca	43	1	He	2857.569991	1.0	13792.317
Ca	44	1	He	2928.319237	1.1	236721.460
Ti	47	1	He	785.042099	0.3	406504.783
V	51	1	He	34.588599	2.0	422041.700
Cr	52	1	He	10.596829	1.3	155741.447
Mn	55	1	He	135.369301	0.7	1498577.337
Fe	56	1	He	12392.23673	0.3	165916954.667
Co	59	1	He	5.720599	1.9	121206.367
Ni	60	1	He	10.119843	2.9	53301.773
Cu	63	1	He	8.550537	1.9	114494.067
Zn	66	1	He	54.971116	1.6	151517.920
As	75	1	He	1.773689	1.1	4265.843
Se	78	2	H2	0.207676	4.9	252.667
Sr	88	1	He	20.985475	2.5	401781.530
Mo	95	1	He	0.193789	16.4	1641.763
Pd	105	1	He	0.024726	20.4	336.680
Ag	107	1	He	0.084925	3.8	2951.957
Cd	111	1	He	0.197055	2.9	916.207
Sn	118	1	He	1.260039	4.4	15498.770
Sb	121	1	He	0.047885	7.1	853.363
Ba	138	1	He	69.352477	1.5	2774196.623
Pt	195	1	He	0.002520	53.8	130.003
Hg	202	1	He	0.022308	34.0	246.677
Tl	205	1	He	0.117943	2.4	7193.347
Pb	206	1	He	4.010720	2.5	74177.700
Pb	207	1	He	3.997676	1.5	62647.300
Pb	208	1	He	4.008073	2.4	293279.673
Bi	209	1	He	0.042351	12.0	4053.937
Th	232	1	He	2.604155	1.9	213325.320
U	238	1	He	0.588157	0.8	49356.117

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.83769176	1048106.873
Sc	45	2	H2	97.13717668	6510300.333
Ge	72	1	He	94.14952376	637525.457
Ge	72	2	H2	96.45499448	1749552.293
In	115	1	He	94.95250231	6921461.503
Tb	159	1	He	99.03409370	16035817.677
Ir	193	1	He	98.26560035	7681640.097

Sample Name	4312117_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	092SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:41:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	94.997236	5.4	73093.293
Be	9	2	H2	88.494623	4.4	58015.910
B	11	2	H2	90.960865	5.5	65626.100
Na	23	1	He	2556.016270	4.7	4775776.073
Mg	24	1	He	5269.360535	5.5	5451468.043
Al	27	1	He	8132.438902	5.3	4554431.833
Si	28	2	H2	2052.582343	5.6	9154806.500
K	39	1	He	3181.899600	5.0	5026189.507
Ca	43	1	He	5265.533852	5.2	24911.303
Ca	44	1	He	5306.064311	4.9	420457.167
Ti	47	1	He	883.715553	4.9	448714.617
V	51	1	He	128.600958	6.1	1542488.297
Cr	52	1	He	104.667497	6.0	1502897.917
Mn	55	1	He	230.516205	4.7	2501777.000
Fe	56	1	He	13810.63063	5.0	181318330.667
Co	59	1	He	101.466221	4.6	2113911.917
Ni	60	1	He	106.031308	3.8	541610.750
Cu	63	1	He	105.129270	4.2	1381890.000
Zn	66	1	He	148.013182	4.3	401132.093
As	75	1	He	91.333652	3.6	202947.070
Se	78	2	H2	87.490209	1.5	99139.110
Sr	88	1	He	111.991838	4.1	2050096.690
Mo	95	1	He	92.732904	3.9	761539.860
Pd	105	1	He	91.128072	3.7	1064906.543
Ag	107	1	He	47.453083	5.7	1105502.403
Cd	111	1	He	91.251962	4.4	404418.537
Sn	118	1	He	92.540047	4.4	1076907.247
Sb	121	1	He	88.282026	4.7	1340209.773
Ba	138	1	He	163.690937	4.0	6339868.863
Pt	195	1	He	91.098847	4.2	1313008.887
Hg	202	1	He	0.019841	31.2	220.010
Tl	205	1	He	46.408200	4.0	2444439.393
Pb	206	1	He	97.137453	4.0	1737296.537
Pb	207	1	He	97.615153	4.1	1458602.060
Pb	208	1	He	97.071992	3.8	6848372.813
Bi	209	1	He	94.469882	4.1	5244420.757
Th	232	1	He	93.631046	4.2	7324151.143
U	238	1	He	91.076156	4.4	7286908.433

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.12418097	1029367.457
Sc	45	2	H2	96.30453363	6454495.167
Ge	72	1	He	92.75867700	628107.457
Ge	72	2	H2	96.51578347	1750654.917
In	115	1	He	90.92077917	6627573.340
Tb	159	1	He	95.98228077	15541661.433
Ir	193	1	He	93.96430413	7345398.223

Sample Name	4312118_B69995Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	093SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:45:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.266538	5.7	1016.360
Be	9	2	H2	0.072602	11.2	52.667
B	11	2	H2	1.314274	10.0	3783.777
Na	23	1	He	56.992467	1.1	121212.297
Mg	24	1	He	599.850978	0.8	614294.900
Al	27	1	He	1188.950976	0.4	656099.917
Si	28	2	H2	190.573534	5.5	841586.497
K	39	1	He	184.209401	0.8	403241.623
Ca	43	1	He	584.477654	1.7	2732.493
Ca	44	1	He	610.180490	1.5	47770.983
Ti	47	1	He	157.737779	0.5	78884.827
V	51	1	He	7.052233	2.0	81752.897
Cr	52	1	He	2.153045	1.4	30985.057
Mn	55	1	He	27.707228	0.2	296933.677
Fe	56	1	He	2525.008681	1.0	32662513.333
Co	59	1	He	1.145637	1.4	23861.760
Ni	60	1	He	2.000152	2.3	10998.047
Cu	63	1	He	1.788686	1.2	23708.273
Zn	66	1	He	11.234084	1.7	30509.873
As	75	1	He	0.341103	3.4	1015.197
Se	78	2	H2	0.046009	5.9	68.000
Sr	88	1	He	4.216309	0.4	79361.317
Mo	95	1	He	0.049393	18.5	426.677
Pd	105	1	He	0.012411	49.1	183.337
Ag	107	1	He	0.237043	17.0	6529.637
Cd	111	1	He	0.046603	26.7	214.873
Sn	118	1	He	0.241815	10.5	3055.310
Sb	121	1	He	0.011374	35.1	268.340
Ba	138	1	He	14.015554	1.4	546453.000
Pt	195	1	He	0.011001	20.5	250.010
Hg	202	1	He	0.006735	80.4	126.667
Tl	205	1	He	0.076379	12.4	4810.783
Pb	206	1	He	0.837912	3.1	15175.663
Pb	207	1	He	0.846768	0.3	13692.640
Pb	208	1	He	0.837894	2.3	60740.073
Bi	209	1	He	0.014791	20.6	2410.247
Th	232	1	He	0.531296	1.0	42841.770
U	238	1	He	0.123706	2.7	10276.810

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.56005871	1012261.793
Sc	45	2	H2	94.10664901	6307189.167
Ge	72	1	He	92.25032729	624665.210
Ge	72	2	H2	94.33510846	1711100.667
In	115	1	He	93.14926202	6790016.223
Tb	159	1	He	96.51258433	15627529.350
Ir	193	1	He	96.62729725	7553570.307

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	094_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:48:47
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	79.661009	4.4	60982.200
Be	9	2	H2	79.703997	4.0	51981.440
B	11	2	H2	79.689826	6.0	57568.913
Na	23	1	He	2032.225135	0.4	3855969.527
Mg	24	1	He	2022.411565	0.8	2125456.167
Al	27	1	He	1991.205128	0.2	1131831.163
Si	28	2	H2	1004.910277	5.0	4465092.833
K	39	1	He	2027.244809	0.6	3295404.427
Ca	43	1	He	2021.361087	1.2	9710.073
Ca	44	1	He	2025.939331	0.8	162982.680
Ti	47	1	He	78.087723	0.5	40232.193
V	51	1	He	82.833457	0.3	1007869.690
Cr	52	1	He	83.069887	0.5	1210782.873
Mn	55	1	He	84.122670	0.7	926850.897
Fe	56	1	He	1041.066791	0.8	13883435.667
Co	59	1	He	83.370125	1.1	1783995.167
Ni	60	1	He	84.327617	0.2	442533.730
Cu	63	1	He	86.578408	0.2	1168898.120
Zn	66	1	He	81.864526	0.7	227970.027
As	75	1	He	79.191857	0.3	180736.697
Se	78	2	H2	79.306093	0.5	89348.840
Sr	88	1	He	76.925258	0.5	1462114.147
Mo	95	1	He	82.372686	0.3	694731.420
Pd	105	1	He	81.056771	0.9	983260.273
Ag	107	1	He	41.005360	3.5	992213.343
Cd	111	1	He	79.583004	0.6	366220.340
Sn	118	1	He	80.183076	0.7	968920.403
Sb	121	1	He	76.833087	0.6	1211283.133
Ba	138	1	He	80.474544	0.8	3161682.663
Pt	195	1	He	80.207822	0.5	1172723.523
Hg	202	1	He	3.609797	1.2	26692.583
Tl	205	1	He	40.308288	0.5	2153851.740
Pb	206	1	He	82.412207	1.2	1495188.207
Pb	207	1	He	86.376313	0.3	1309411.357
Pb	208	1	He	83.384853	0.9	5967378.373
Bi	209	1	He	84.813700	1.3	4776362.010
Th	232	1	He	79.847015	0.7	6400591.987
U	238	1	He	76.961134	0.7	6310256.367

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.35527561	1042831.040
Sc	45	2	H2	95.77846782	6419237.333
Ge	72	1	He	95.17702989	644483.127
Ge	72	2	H2	95.95393178	1740463.750
In	115	1	He	94.30690447	6874401.337
Tb	159	1	He	97.27056668	15750263.513
Ir	193	1	He	96.18723521	7519169.680

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	095_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:52:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.060135	31.4	114.667
Be	9	2	H2	0.021032	39.6	20.333
B	11	2	H2	0.923672	30.3	3673.773
Na	23	1	He	5.318991	6.5	27583.817
Mg	24	1	He	-2.537234		785.023
Al	27	1	He	0.363895	15.0	456.677
Si	28	2	H2	-0.279800		11231.520
K	39	1	He	4.589933	28.9	136301.920
Ca	43	1	He	1.110935	50.4	15.840
Ca	44	1	He	1.082342	38.4	270.977
Ti	47	1	He	0.021991	10.9	14.667
V	51	1	He	0.042983	169.9	-1231.923
Cr	52	1	He	-0.000555		552.677
Mn	55	1	He	-0.062162		246.667
Fe	56	1	He	0.063890	7.1	18034.327
Co	59	1	He	0.002008	61.7	146.667
Ni	60	1	He	-0.123566		224.000
Cu	63	1	He	0.015686	24.9	531.343
Zn	66	1	He	0.026159	16.6	298.667
As	75	1	He	-0.011697		244.000
Se	78	2	H2	0.012939	61.8	32.667
Sr	88	1	He	0.001098	235.4	251.673
Mo	95	1	He	0.007040	34.5	83.333
Pd	105	1	He	0.011482	53.0	180.007
Ag	107	1	He	0.205881	18.5	6069.470
Cd	111	1	He	0.005621	86.2	29.977
Sn	118	1	He	0.032381	3.6	581.683
Sb	121	1	He	0.006252	15.6	198.333
Ba	138	1	He	0.011535	0.5	623.353
Pt	195	1	He	0.008711	13.3	223.343
Hg	202	1	He	0.023883	4.4	260.010
Tl	205	1	He	0.044206	31.0	3197.033
Pb	206	1	He	0.010156	44.7	286.673
Pb	207	1	He	0.009638	77.5	1145.050
Pb	208	1	He	0.008749	26.4	1948.403
Bi	209	1	He	0.004766	47.7	1910.163
Th	232	1	He	0.006851	14.5	621.683
U	238	1	He	0.004189	21.7	443.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.47152121	1055038.603
Sc	45	2	H2	98.15364820	6578426.000
Ge	72	1	He	95.39582022	645964.647
Ge	72	2	H2	98.45189628	1785773.167
In	115	1	He	97.78960278	7128268.920
Tb	159	1	He	99.59749958	16127045.593
Ir	193	1	He	98.82720485	7725541.967

Sample Name	4310661_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	096SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:55:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	59.575884	5.5	46257.537
Be	9	2	H2	54.826746	4.5	36256.257
B	11	2	H2	55.014365	3.8	41202.813
Na	23	1	He	1577.832835	1.0	3023488.707
Mg	24	1	He	4005.474400	1.4	4242323.270
Al	27	1	He	7922.031417	1.4	4540929.500
Si	28	2	H2	1022.796489	4.8	4607069.167
K	39	1	He	1911.172626	1.5	3140951.517
Ca	43	1	He	4656.122818	0.9	22546.897
Ca	44	1	He	4713.370391	1.6	382236.037
Ti	47	1	He	837.028520	1.2	434961.430
V	51	1	He	88.838062	2.4	1090389.357
Cr	52	1	He	65.995204	1.8	970384.810
Mn	55	1	He	186.496758	1.2	2071369.790
Fe	56	1	He	13010.86453	0.8	174812986.667
Co	59	1	He	61.969839	0.2	1314399.710
Ni	60	1	He	66.411942	0.4	345612.520
Cu	63	1	He	64.323282	0.4	860786.790
Zn	66	1	He	104.682796	0.5	288879.330
As	75	1	He	53.864515	0.7	121937.630
Se	78	2	H2	53.091487	0.3	60166.477
Sr	88	1	He	79.491090	0.4	1488105.393
Mo	95	1	He	54.300483	1.2	453878.313
Pd	105	1	He	10.135231	1.5	121131.167
Ag	107	1	He	27.519043	2.7	656211.293
Cd	111	1	He	52.904698	0.8	239788.873
Sn	118	1	He	53.851345	1.2	641002.803
Sb	121	1	He	34.986535	0.6	543293.937
Ba	138	1	He	123.588137	1.0	4865460.553
Pt	195	1	He	10.455009	1.4	153255.283
Hg	202	1	He	3.952071	2.3	29277.140
Tl	205	1	He	54.367726	1.3	2910782.560
Pb	206	1	He	58.339068	2.2	1060672.510
Pb	207	1	He	58.968983	2.3	896093.817
Pb	208	1	He	58.352978	1.3	4184942.440
Bi	209	1	He	55.174693	0.1	3114114.017
Th	232	1	He	56.732840	0.2	4524056.497
U	238	1	He	52.585980	0.6	4289257.123

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.18051706	1051856.103
Sc	45	2	H2	97.14300315	6510690.833
Ge	72	1	He	94.33330515	638769.917
Ge	72	2	H2	96.50958341	1750542.457
In	115	1	He	92.88155749	6770502.187
Tb	159	1	He	97.46435576	15781642.267
Ir	193	1	He	95.68759317	7480111.553

Sample Name	4310662_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	097SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:59:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	58.644350	4.6	46343.250
Be	9	2	H2	53.968482	4.5	36323.237
B	11	2	H2	55.036949	5.9	41964.423
Na	23	1	He	1625.452307	4.1	3094779.953
Mg	24	1	He	3987.563245	5.0	4196043.687
Al	27	1	He	8012.005260	4.2	4563699.500
Si	28	2	H2	1054.832013	4.8	4835098.167
K	39	1	He	1940.054110	4.6	3166166.727
Ca	43	1	He	4705.797864	3.9	22645.453
Ca	44	1	He	4771.676321	4.2	384504.493
Ti	47	1	He	824.582887	4.1	425794.343
V	51	1	He	90.817357	3.1	1108058.883
Cr	52	1	He	67.759396	3.3	990264.960
Mn	55	1	He	190.584984	4.3	2103379.500
Fe	56	1	He	13067.30446	3.9	174480277.333
Co	59	1	He	63.240426	4.6	1340457.710
Ni	60	1	He	67.979002	3.7	353612.653
Cu	63	1	He	65.811866	4.2	880283.417
Zn	66	1	He	108.055453	3.8	298049.017
As	75	1	He	55.013809	4.0	124464.743
Se	78	2	H2	52.143866	0.7	60274.503
Sr	88	1	He	81.240652	3.4	1517013.520
Mo	95	1	He	55.022651	5.4	459526.073
Pd	105	1	He	10.468046	4.1	124759.987
Ag	107	1	He	28.343482	1.0	674425.527
Cd	111	1	He	55.029847	2.6	248829.010
Sn	118	1	He	55.251615	2.6	656124.247
Sb	121	1	He	36.790164	2.1	570017.217
Ba	138	1	He	125.177781	4.0	4872041.177
Pt	195	1	He	10.807487	3.1	156659.477
Hg	202	1	He	3.991950	6.0	29216.960
Tl	205	1	He	55.828207	5.7	2953512.350
Pb	206	1	He	59.816690	4.2	1075102.250
Pb	207	1	He	60.182906	3.7	904178.293
Pb	208	1	He	59.533061	4.0	4221183.583
Bi	209	1	He	56.366798	4.3	3145199.117
Th	232	1	He	59.113051	3.2	4634698.160
U	238	1	He	53.834634	4.4	4315900.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.68613186	1046449.373
Sc	45	2	H2	98.86150832	6625868.000
Ge	72	1	He	94.41157536	639299.917
Ge	72	2	H2	98.43600011	1785484.833
In	115	1	He	92.72475057	6759071.913
Tb	159	1	He	96.47668489	15621716.433
Ir	193	1	He	94.16362370	7360979.477

Sample Name	10606565001_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	098SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:03:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.624305	6.4	5396.107
Be	9	2	H2	0.257437	14.8	182.833
B	11	2	H2	2.368820	23.6	4810.730
Na	23	1	He	347.721232	1.1	697702.020
Mg	24	1	He	3335.909088	1.3	3626731.197
Al	27	1	He	6773.910570	1.2	3984940.000
Si	28	2	H2	1017.961290	5.2	4756080.000
K	39	1	He	1038.790689	1.4	1812242.887
Ca	43	1	He	3218.706374	2.4	15998.447
Ca	44	1	He	3298.282161	0.6	274550.187
Ti	47	1	He	831.117012	1.4	443214.320
V	51	1	He	36.721184	1.6	461496.833
Cr	52	1	He	11.180868	1.9	169191.027
Mn	55	1	He	196.253453	1.5	2236898.667
Fe	56	1	He	14740.33549	1.7	203248778.667
Co	59	1	He	6.296035	1.9	136914.167
Ni	60	1	He	11.389604	2.1	61455.457
Cu	63	1	He	9.338845	1.2	128319.733
Zn	66	1	He	63.817323	1.0	180506.963
As	75	1	He	1.962008	3.8	4815.320
Se	78	2	H2	0.187519	6.8	238.333
Sr	88	1	He	26.957183	1.8	524757.283
Mo	95	1	He	0.210464	6.6	1826.783
Pd	105	1	He	0.035001	14.1	470.017
Ag	107	1	He	0.317367	15.4	8755.680
Cd	111	1	He	0.218157	14.8	1031.160
Sn	118	1	He	1.399754	4.4	17490.750
Sb	121	1	He	0.068677	12.2	1203.393
Ba	138	1	He	105.300764	2.0	4239772.857
Pt	195	1	He	0.008930	68.0	226.673
Hg	202	1	He	0.043265	9.5	406.680
Tl	205	1	He	0.103105	3.7	6428.020
Pb	206	1	He	5.685962	1.3	105811.380
Pb	207	1	He	5.726015	2.7	89890.887
Pb	208	1	He	5.652201	1.4	415759.460
Bi	209	1	He	0.049927	9.9	4517.410
Th	232	1	He	2.307575	0.2	188487.307
U	238	1	He	0.512493	1.1	42898.883

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	98.70216262	1079433.500
Sc	45	2	H2	100.7587863	6753026.833
Ge	72	1	He	96.64063004	654393.770
Ge	72	2	H2	100.1352667	1816307.040
In	115	1	He	96.55921752	7038581.297
Tb	159	1	He	99.67964037	16140346.010
Ir	193	1	He	97.98404517	7659630.303

Sample Name	10606565002_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	099SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:06:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.614234	4.7	4605.397
Be	9	2	H2	0.229937	12.9	165.167
B	11	2	H2	1.188946	25.6	3977.153
Na	23	1	He	323.701594	0.8	656923.910
Mg	24	1	He	2914.582898	0.8	3199045.577
Al	27	1	He	5988.807526	0.8	3556334.167
Si	28	2	H2	956.505126	5.6	4491748.833
K	39	1	He	887.014745	0.7	1581599.560
Ca	43	1	He	3185.085709	0.3	15981.650
Ca	44	1	He	3245.151083	0.7	272675.920
Ti	47	1	He	833.675403	0.2	448782.317
V	51	1	He	39.554406	0.5	501926.067
Cr	52	1	He	11.640586	0.5	177782.953
Mn	55	1	He	165.031733	0.4	1899006.540
Fe	56	1	He	13751.47080	0.7	191404357.333
Co	59	1	He	6.044851	1.4	132125.980
Ni	60	1	He	10.370814	0.9	56335.557
Cu	63	1	He	8.430373	1.1	116471.213
Zn	66	1	He	66.269132	1.1	188403.543
As	75	1	He	1.686544	2.3	4198.660
Se	78	2	H2	0.168338	8.1	216.667
Sr	88	1	He	25.265982	0.7	492774.080
Mo	95	1	He	0.194100	7.2	1695.100
Pd	105	1	He	0.033082	20.8	446.680
Ag	107	1	He	0.118863	4.4	3848.800
Cd	111	1	He	0.279067	15.2	1321.227
Sn	118	1	He	1.232261	2.2	15445.407
Sb	121	1	He	0.060525	7.8	1073.377
Ba	138	1	He	88.953150	0.3	3607189.010
Pt	195	1	He	0.002179	93.0	126.667
Hg	202	1	He	0.030622	8.8	313.343
Tl	205	1	He	0.102175	1.5	6423.000
Pb	206	1	He	5.324405	1.6	99799.143
Pb	207	1	He	5.447162	0.9	86170.533
Pb	208	1	He	5.335426	0.5	395341.303
Bi	209	1	He	0.042529	7.8	4120.607
Th	232	1	He	2.735289	1.2	225859.530
U	238	1	He	0.568245	2.2	48072.120

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.63683138	1089655.290
Sc	45	2	H2	101.2124975	6783435.333
Ge	72	1	He	97.15647203	657886.750
Ge	72	2	H2	100.4622571	1822238.167
In	115	1	He	96.74022558	7051775.687
Tb	159	1	He	100.3961933	16256371.843
Ir	193	1	He	99.05645027	7743462.590

Sample Name	10606565003_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	100SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:10:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.050970	4.7	4973.327
Be	9	2	H2	0.247320	2.7	177.333
B	11	2	H2	2.068631	18.9	4634.000
Na	23	1	He	314.635773	0.2	640237.320
Mg	24	1	He	3146.561115	0.3	3460114.220
Al	27	1	He	6108.118695	0.5	3634245.917
Si	28	2	H2	983.042622	4.1	4628207.833
K	39	1	He	923.091192	0.7	1643742.423
Ca	43	1	He	3993.618962	1.4	20075.790
Ca	44	1	He	4122.222237	0.8	347007.600
Ti	47	1	He	850.636011	1.0	458788.177
V	51	1	He	40.736522	0.6	517987.157
Cr	52	1	He	11.723839	1.6	179412.670
Mn	55	1	He	146.952054	0.4	1694334.127
Fe	56	1	He	14104.30627	0.8	196703909.333
Co	59	1	He	6.893510	1.1	151590.287
Ni	60	1	He	11.597438	0.8	63269.717
Cu	63	1	He	9.567171	0.8	132935.280
Zn	66	1	He	76.406525	0.7	218515.373
As	75	1	He	1.696633	2.2	4248.343
Se	78	2	H2	0.233434	2.5	294.333
Sr	88	1	He	25.569950	2.1	500614.160
Mo	95	1	He	0.238604	5.5	2091.810
Pd	105	1	He	0.030770	6.7	420.013
Ag	107	1	He	0.069428	8.4	2633.563
Cd	111	1	He	0.378052	8.7	1794.487
Sn	118	1	He	2.398047	2.5	30009.667
Sb	121	1	He	0.089305	3.6	1545.087
Ba	138	1	He	81.840981	1.3	3346760.990
Pt	195	1	He	0.004945	91.0	170.003
Hg	202	1	He	0.027671	14.3	293.343
Tl	205	1	He	0.150764	4.9	9179.387
Pb	206	1	He	6.850791	1.4	129456.797
Pb	207	1	He	6.879299	2.2	109473.297
Pb	208	1	He	6.814856	2.4	508838.307
Bi	209	1	He	0.084332	3.5	6604.820
Th	232	1	He	2.383309	1.3	197038.453
U	238	1	He	0.659914	2.2	55879.453

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.82688704	1091733.790
Sc	45	2	H2	101.4706825	6800739.333
Ge	72	1	He	97.73219221	661785.190
Ge	72	2	H2	100.7740472	1827893.583
In	115	1	He	97.10901900	7078658.490
Tb	159	1	He	101.2403101	16393053.090
Ir	193	1	He	99.17409914	7752659.463

Sample Name	10606565004_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	101SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:14:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.847389	7.1	4739.937
Be	9	2	H2	0.228791	5.6	162.333
B	11	2	H2	1.904581	16.3	4447.273
Na	23	1	He	336.037399	0.7	667327.260
Mg	24	1	He	2824.977399	0.8	3037447.767
Al	27	1	He	6354.316311	0.8	3696312.667
Si	28	2	H2	922.424160	6.3	4281698.333
K	39	1	He	1090.272053	1.0	1874382.057
Ca	43	1	He	7862.883291	0.7	38630.480
Ca	44	1	He	8070.583424	0.6	664024.523
Ti	47	1	He	828.670732	0.4	436987.927
V	51	1	He	39.471285	0.7	490647.423
Cr	52	1	He	11.768978	0.5	176067.847
Mn	55	1	He	151.481161	0.7	1707517.503
Fe	56	1	He	13951.13740	1.0	190212677.333
Co	59	1	He	7.254106	0.5	155935.373
Ni	60	1	He	10.358313	0.8	55337.777
Cu	63	1	He	11.801512	1.1	160234.980
Zn	66	1	He	76.084775	1.5	212712.407
As	75	1	He	1.988406	0.6	4820.150
Se	78	2	H2	0.256026	1.8	317.667
Sr	88	1	He	29.778443	0.8	575261.863
Mo	95	1	He	0.235684	5.7	2020.140
Pd	105	1	He	0.033657	8.4	450.013
Ag	107	1	He	0.058793	24.3	2336.850
Cd	111	1	He	0.478626	3.2	2241.230
Sn	118	1	He	1.558248	0.5	19302.670
Sb	121	1	He	0.068522	6.0	1191.720
Ba	138	1	He	81.216332	1.5	3244456.517
Pt	195	1	He	0.001400	196.9	113.333
Hg	202	1	He	0.044145	18.6	410.013
Tl	205	1	He	0.193698	7.9	11297.407
Pb	206	1	He	6.660130	1.0	122954.537
Pb	207	1	He	6.689059	3.9	104007.297
Pb	208	1	He	6.622396	2.1	483078.133
Bi	209	1	He	0.055418	3.3	4797.480
Th	232	1	He	2.508163	2.2	202870.003
U	238	1	He	0.728969	1.8	60382.857

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.60361988	1067419.540
Sc	45	2	H2	100.0488498	6705445.667
Ge	72	1	He	95.55086562	647014.523
Ge	72	2	H2	99.69769241	1808370.083
In	115	1	He	95.82818916	6985293.763
Tb	159	1	He	98.90743307	16015308.510
Ir	193	1	He	97.03976257	7585813.637

Sample Name	10606565005_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	102SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:17:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.488257	4.2	4566.223
Be	9	2	H2	0.213779	9.4	156.167
B	11	2	H2	0.998318	10.8	3893.813
Na	23	1	He	316.595837	1.4	655119.483
Mg	24	1	He	2736.512777	0.7	3061089.223
Al	27	1	He	6207.762989	0.4	3756590.417
Si	28	2	H2	935.389167	3.9	4453081.583
K	39	1	He	877.318331	1.3	1595580.760
Ca	43	1	He	3236.899803	2.2	16551.000
Ca	44	1	He	3324.921032	0.7	284698.307
Ti	47	1	He	793.801292	0.8	435446.930
V	51	1	He	36.673538	1.5	474101.000
Cr	52	1	He	11.047632	1.2	171973.073
Mn	55	1	He	177.301749	0.5	2078941.043
Fe	56	1	He	13175.14304	0.8	186876736.000
Co	59	1	He	5.773597	0.7	128311.430
Ni	60	1	He	10.172879	0.6	56192.403
Cu	63	1	He	9.936091	1.1	139495.817
Zn	66	1	He	68.022701	0.6	196602.320
As	75	1	He	1.805932	1.3	4550.747
Se	78	2	H2	0.211061	5.6	271.333
Sr	88	1	He	23.795506	3.3	472496.737
Mo	95	1	He	0.208474	8.6	1850.123
Pd	105	1	He	0.032166	16.4	443.347
Ag	107	1	He	0.072719	5.8	2753.577
Cd	111	1	He	0.242997	5.1	1171.167
Sn	118	1	He	1.272815	3.5	16237.850
Sb	121	1	He	0.069359	9.4	1238.390
Ba	138	1	He	85.203222	0.8	3485451.093
Pt	195	1	He	0.001444	129.0	116.667
Hg	202	1	He	0.034125	41.6	343.347
Tl	205	1	He	0.082966	3.8	5410.970
Pb	206	1	He	5.855654	3.1	110701.093
Pb	207	1	He	6.002113	3.8	95670.627
Pb	208	1	He	5.884125	2.2	439668.643
Bi	209	1	He	0.049185	3.4	4547.400
Th	232	1	He	2.024733	0.9	167810.650
U	238	1	He	0.659814	2.2	56006.690

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.5320543	1110381.960
Sc	45	2	H2	102.6352602	6878791.333
Ge	72	1	He	98.76207599	668758.960
Ge	72	2	H2	102.1067533	1852066.920
In	115	1	He	98.50548772	7180452.590
Tb	159	1	He	101.2801441	16399503.090
Ir	193	1	He	99.41782916	7771712.380

Sample Name	10606565006_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	103SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:21:17
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.447629	4.3	4527.377
Be	9	2	H2	0.239753	5.4	174.000
B	11	2	H2	1.809104	20.3	4487.303
Na	23	1	He	335.906533	0.8	689904.780
Mg	24	1	He	3002.919539	0.8	3339084.223
Al	27	1	He	6191.019926	1.0	3724600.417
Si	28	2	H2	958.349137	4.6	4556494.750
K	39	1	He	882.276417	0.7	1594474.973
Ca	43	1	He	3116.456589	1.4	15842.307
Ca	44	1	He	3177.405482	0.9	270487.677
Ti	47	1	He	928.797565	1.2	506538.293
V	51	1	He	48.453258	0.9	623317.663
Cr	52	1	He	11.894760	0.9	184031.113
Mn	55	1	He	230.500382	0.8	2686671.917
Fe	56	1	He	14673.12804	0.3	206906400.000
Co	59	1	He	6.066042	0.8	134223.543
Ni	60	1	He	11.200693	0.7	61509.593
Cu	63	1	He	12.608015	0.2	176148.600
Zn	66	1	He	73.578458	0.3	211717.643
As	75	1	He	3.241618	1.5	7912.257
Se	78	2	H2	0.187290	2.9	243.000
Sr	88	1	He	24.244155	0.7	479961.543
Mo	95	1	He	0.197755	6.8	1746.770
Pd	105	1	He	0.035156	12.7	480.020
Ag	107	1	He	0.058212	3.1	2380.197
Cd	111	1	He	0.238822	12.1	1147.857
Sn	118	1	He	1.294370	0.5	16459.683
Sb	121	1	He	0.104102	1.8	1805.113
Ba	138	1	He	84.978071	1.0	3465085.053
Pt	195	1	He	0.002999	98.4	140.003
Hg	202	1	He	0.016486	40.1	206.673
Tl	205	1	He	0.076275	3.6	5022.517
Pb	206	1	He	9.767407	3.2	184013.567
Pb	207	1	He	10.231272	1.3	161856.253
Pb	208	1	He	9.899113	2.6	736419.230
Bi	209	1	He	0.059514	15.0	5137.623
Th	232	1	He	1.984343	1.5	163708.413
U	238	1	He	0.585892	0.6	49516.657

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.9382806	1103888.290
Sc	45	2	H2	102.5016344	6869835.500
Ge	72	1	He	98.33421364	665861.727
Ge	72	2	H2	102.1137616	1852194.040
In	115	1	He	98.19374752	7157728.620
Tb	159	1	He	100.9553173	16346906.423
Ir	193	1	He	98.96717358	7736483.633

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	104_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:24:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	80.869098	6.3	62244.150
Be	9	2	H2	80.676676	5.4	52899.650
B	11	2	H2	77.719246	5.1	56505.980
Na	23	1	He	2035.192408	1.2	3944982.130
Mg	24	1	He	2027.514464	1.7	2176843.977
Al	27	1	He	1987.848056	0.4	1154346.293
Si	28	2	H2	1018.201144	6.1	4548535.000
K	39	1	He	2049.505316	0.9	3402171.823
Ca	43	1	He	2040.634589	2.9	10014.040
Ca	44	1	He	2031.166080	1.3	166934.500
Ti	47	1	He	77.621267	0.8	40856.247
V	51	1	He	82.830653	0.9	1029596.620
Cr	52	1	He	83.280284	0.2	1240104.920
Mn	55	1	He	84.098984	0.7	946611.060
Fe	56	1	He	1047.450169	1.5	14270321.667
Co	59	1	He	84.014972	1.2	1835680.710
Ni	60	1	He	84.610335	0.7	453367.407
Cu	63	1	He	86.834492	0.7	1197048.207
Zn	66	1	He	81.970707	0.4	233077.673
As	75	1	He	79.682246	0.4	185683.880
Se	78	2	H2	79.895843	1.2	91670.587
Sr	88	1	He	77.163786	1.3	1499440.343
Mo	95	1	He	82.738234	0.3	712521.523
Pd	105	1	He	80.953635	0.8	1003983.710
Ag	107	1	He	41.117148	4.6	1016955.143
Cd	111	1	He	79.775471	1.8	375295.353
Sn	118	1	He	79.461866	0.6	981721.623
Sb	121	1	He	76.108200	0.5	1226696.493
Ba	138	1	He	80.432930	0.4	3231347.347
Pt	195	1	He	80.493292	2.1	1203326.027
Hg	202	1	He	3.601602	3.5	27233.420
Tl	205	1	He	39.505961	0.6	2158574.710
Pb	206	1	He	81.098848	1.1	1504518.210
Pb	207	1	He	84.521295	0.9	1310173.157
Pb	208	1	He	82.096769	0.3	6007769.963
Bi	209	1	He	84.457490	0.3	4863774.823
Th	232	1	He	79.045433	1.2	6461549.487
U	238	1	He	76.938936	0.9	6433574.073

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.41612115	1065369.003
Sc	45	2	H2	96.31544302	6455226.333
Ge	72	1	He	97.18312821	658067.250
Ge	72	2	H2	97.72396172	1772569.500
In	115	1	He	96.42112884	7028515.470
Tb	159	1	He	99.46344343	16105338.927
Ir	193	1	He	98.09556710	7668348.220

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	105_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:28:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.061189	13.8	114.333
Be	9	2	H2	0.013715	74.8	15.333
B	11	2	H2	0.738822	25.7	3503.723
Na	23	1	He	4.264544	8.4	25372.413
Mg	24	1	He	-2.553447		761.690
Al	27	1	He	0.319568	9.8	428.010
Si	28	2	H2	-0.346124		10819.260
K	39	1	He	4.956804	8.4	135852.770
Ca	43	1	He	-0.204344		9.363
Ca	44	1	He	0.844501	28.4	249.750
Ti	47	1	He	0.033758	62.9	20.667
V	51	1	He	0.041721	51.4	-1234.990
Cr	52	1	He	-0.002679		517.343
Mn	55	1	He	-0.059766		271.333
Fe	56	1	He	0.185730	18.1	19527.213
Co	59	1	He	0.001958	46.8	145.333
Ni	60	1	He	-0.126296		209.333
Cu	63	1	He	0.012431	13.4	486.677
Zn	66	1	He	0.009274	66.7	251.333
As	75	1	He	-0.022675		218.667
Se	78	2	H2	0.002262	120.2	20.333
Sr	88	1	He	0.005060	36.5	328.343
Mo	95	1	He	0.007830	18.9	90.000
Pd	105	1	He	0.010434	31.1	166.673
Ag	107	1	He	0.200999	12.3	5927.743
Cd	111	1	He	0.007389	30.4	38.307
Sn	118	1	He	0.026156	39.6	501.683
Sb	121	1	He	0.004764	14.9	173.333
Ba	138	1	He	0.011968	15.9	641.683
Pt	195	1	He	0.005089	70.7	170.003
Hg	202	1	He	0.029515	13.3	303.343
Tl	205	1	He	0.040463	26.8	3003.650
Pb	206	1	He	0.008865	12.8	263.337
Pb	207	1	He	0.001966	555.0	1028.377
Pb	208	1	He	0.007224	31.8	1841.730
Bi	209	1	He	-0.000429		1616.777
Th	232	1	He	0.006243	15.2	580.020
U	238	1	He	0.003467	18.5	388.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.74213298	1047061.817
Sc	45	2	H2	97.15289298	6511353.667
Ge	72	1	He	95.25981959	645043.730
Ge	72	2	H2	98.15991644	1780477.080
In	115	1	He	97.41232558	7100767.700
Tb	159	1	He	99.83547653	16165579.343
Ir	193	1	He	100.3137969	7841752.173

Sample Name	4322471_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	106SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:32:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.052443	42.7	108.833
Be	9	2	H2	0.020378	19.2	20.000
B	11	2	H2	0.619538	35.7	3457.053
Na	23	1	He	9.176881	3.1	35053.093
Mg	24	1	He	0.068096	146.6	3560.380
Al	27	1	He	5.026161	2.7	3145.937
Si	28	2	H2	1.022263	18.6	17131.990
K	39	1	He	5.099828	34.7	137498.423
Ca	43	1	He	10.374798	11.3	60.980
Ca	44	1	He	7.957363	5.1	832.070
Ti	47	1	He	0.062658	17.4	36.000
V	51	1	He	-3.386103		-44141.097
Cr	52	1	He	0.725473	1.2	11286.197
Mn	55	1	He	0.021700	19.2	1184.043
Fe	56	1	He	5.897904	1.5	96926.117
Co	59	1	He	0.005958	9.7	228.000
Ni	60	1	He	-0.084317		424.010
Cu	63	1	He	0.060948	6.9	1126.707
Zn	66	1	He	0.610067	3.1	1898.107
As	75	1	He	-0.022064		217.167
Se	78	2	H2	0.010589	24.1	30.000
Sr	88	1	He	0.018923	7.8	601.683
Mo	95	1	He	0.016779	12.7	163.333
Pd	105	1	He	0.003541	118.8	80.000
Ag	107	1	He	0.044439	13.2	2020.140
Cd	111	1	He	0.011590	43.9	58.280
Sn	118	1	He	1.142368	2.4	14456.207
Sb	121	1	He	0.006070	13.7	195.000
Ba	138	1	He	0.066458	3.5	2831.933
Pt	195	1	He	0.012051	13.1	273.343
Hg	202	1	He	0.013778	65.4	183.340
Tl	205	1	He	0.007071	19.9	1170.057
Pb	206	1	He	0.083815	6.1	1655.100
Pb	207	1	He	0.074949	5.7	2158.503
Pb	208	1	He	0.081735	2.5	7295.683
Bi	209	1	He	0.006799	43.0	2026.843
Th	232	1	He	0.004667	15.5	446.680
U	238	1	He	0.001215	25.6	195.000

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.75243814	1058110.787
Sc	45	2	H2	98.07168721	6572932.833
Ge	72	1	He	93.98449473	636407.977
Ge	72	2	H2	98.39660185	1784770.207
In	115	1	He	97.58796973	7113571.093
Tb	159	1	He	99.57831598	16123939.343
Ir	193	1	He	99.85913580	7806210.300

Sample Name	4322472_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	107SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:35:42
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.579686	4.8	83657.600
Be	9	2	H2	107.885263	4.1	72159.697
B	11	2	H2	106.634309	3.6	77952.617
Na	23	1	He	2218.306234	0.6	4297827.123
Mg	24	1	He	2180.940835	0.9	2341050.280
Al	27	1	He	2137.676109	0.3	1241148.833
Si	28	2	H2	546.063901	5.1	2494239.417
K	39	1	He	2218.459452	0.7	3671421.510
Ca	43	1	He	2204.335550	0.9	10815.643
Ca	44	1	He	2177.953932	1.1	178965.347
Ti	47	1	He	102.374508	0.5	53877.143
V	51	1	He	109.517721	0.6	1361715.407
Cr	52	1	He	111.780638	0.3	1664053.337
Mn	55	1	He	111.049106	0.4	1249493.457
Fe	56	1	He	2251.130131	0.7	30645686.667
Co	59	1	He	114.161766	0.7	2505110.583
Ni	60	1	He	114.888237	1.6	617903.520
Cu	63	1	He	114.411263	0.3	1583896.667
Zn	66	1	He	111.197667	0.9	317454.790
As	75	1	He	107.614606	1.0	251749.907
Se	78	2	H2	107.152578	1.0	123945.130
Sr	88	1	He	106.004886	1.0	2035223.353
Mo	95	1	He	108.884099	1.2	941657.043
Pd	105	1	He	21.810827	0.6	267298.730
Ag	107	1	He	49.671428	3.2	1213912.793
Cd	111	1	He	106.714336	0.6	496072.407
Sn	118	1	He	103.770649	0.7	1266691.723
Sb	121	1	He	101.221241	0.7	1611911.277
Ba	138	1	He	109.560815	0.0	4332672.333
Pt	195	1	He	21.456214	0.5	315834.937
Hg	202	1	He	0.019120	53.9	220.007
Tl	205	1	He	111.800559	0.9	6011614.703
Pb	206	1	He	111.894753	0.6	2043344.450
Pb	207	1	He	112.232717	1.4	1712163.623
Pb	208	1	He	111.501226	0.8	8031334.783
Bi	209	1	He	113.014343	1.1	6406133.237
Th	232	1	He	112.225368	1.4	8918811.327
U	238	1	He	106.018371	1.1	8618174.873

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.40190576	1065213.540
Sc	45	2	H2	98.23949351	6584179.500
Ge	72	1	He	97.60065544	660894.500
Ge	72	2	H2	98.51638385	1786942.877
In	115	1	He	95.26704142	6944389.497
Tb	159	1	He	97.90716613	15853343.093
Ir	193	1	He	95.36404737	7454819.260

Sample Name	10607436003_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	108SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:39:17
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.784054	4.5	2114.783
Be	9	2	H2	0.056435	24.6	41.667
B	11	2	H2	22.649274	4.4	17785.437
Na	23	1	He	24577.21884	0.7	46670970.970
Mg	24	1	He	24242.25000	0.3	25565818.787
Al	27	1	He	305.653363	0.9	174799.257
Si	28	2	H2	3669.491933	6.9	15690205.000
K	39	1	He	8404.360055	0.6	13325956.883
Ca	43	1	He	141179.7172	0.2	680843.713
Ca	44	1	He	141427.0150	0.7	11421738.103
Ti	47	1	He	0.148465	15.2	80.000
V	51	1	He	1.459119	9.3	16118.937
Cr	52	1	He	0.751679	2.8	11562.383
Mn	55	1	He	26.729910	0.6	296595.937
Fe	56	1	He	11.004155	1.0	164353.217
Co	59	1	He	0.717496	0.9	15076.330
Ni	60	1	He	1.854062	0.9	10322.313
Cu	63	1	He	5.419151	1.6	71651.753
Zn	66	1	He	121.497548	1.5	329890.290
As	75	1	He	1.926618	1.9	4545.750
Se	78	2	H2	0.468053	4.2	528.677
Sr	88	1	He	383.747937	0.3	7196331.767
Mo	95	1	He	1.746957	3.0	14391.017
Pd	105	1	He	0.063422	5.1	793.370
Ag	107	1	He	0.225722	18.4	6254.540
Cd	111	1	He	0.042790	6.4	197.350
Sn	118	1	He	5.854484	1.7	69960.183
Sb	121	1	He	0.353284	5.4	5587.640
Ba	138	1	He	132.192863	1.9	5137902.007
Pt	195	1	He	0.009496	65.1	226.673
Hg	202	1	He	0.017314	19.1	203.337
Tl	205	1	He	0.069867	2.4	4448.997
Pb	206	1	He	2.535566	2.3	45606.503
Pb	207	1	He	2.559499	1.6	39320.070
Pb	208	1	He	2.522508	0.7	179828.073
Bi	209	1	He	0.052519	12.1	4507.407
Th	232	1	He	0.026228	2.6	2116.830
U	238	1	He	0.036542	4.6	3025.323

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.82649660	1047984.440
Sc	45	2	H2	92.24375780	6182335.000
Ge	72	1	He	92.84356276	628682.253
Ge	72	2	H2	93.16060383	1689796.873
In	115	1	He	93.05732392	6783314.493
Tb	159	1	He	96.23705593	15582915.187
Ir	193	1	He	94.33519727	7374391.763

Sample Name	4323804_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	109SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:42:52
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.734190	2.6	59852.827
Be	9	2	H2	82.076917	2.8	50597.160
B	11	2	H2	99.593332	1.5	67267.900
Na	23	1	He	26358.58902	0.8	48750280.937
Mg	24	1	He	25894.72316	1.2	26596940.437
Al	27	1	He	2299.648744	0.8	1279369.997
Si	28	2	H2	4613.011696	4.4	19338946.667
K	39	1	He	10309.85862	1.2	15893412.260
Ca	43	1	He	141086.3187	0.4	662694.540
Ca	44	1	He	141040.6097	1.2	11093768.540
Ti	47	1	He	78.678103	0.7	39676.997
V	51	1	He	86.926596	0.4	1035326.023
Cr	52	1	He	84.690982	0.5	1208233.583
Mn	55	1	He	108.361541	1.0	1168306.127
Fe	56	1	He	1042.380190	1.0	13606118.000
Co	59	1	He	83.947079	0.9	1720012.373
Ni	60	1	He	84.651824	0.6	425349.097
Cu	63	1	He	88.472927	0.5	1143743.337
Zn	66	1	He	200.939237	0.4	535467.627
As	75	1	He	85.270353	0.1	186319.363
Se	78	2	H2	83.245386	0.8	89809.787
Sr	88	1	He	466.559826	1.3	8330419.047
Mo	95	1	He	86.506687	0.7	698572.070
Pd	105	1	He	78.977397	1.5	900168.817
Ag	107	1	He	40.562971	3.2	922239.463
Cd	111	1	He	81.374254	0.5	351831.907
Sn	118	1	He	86.687771	0.4	984219.230
Sb	121	1	He	80.053448	0.7	1185755.893
Ba	138	1	He	209.380416	1.0	7993505.927
Pt	195	1	He	80.156468	1.2	1138818.917
Hg	202	1	He	0.018770	23.1	210.010
Tl	205	1	He	40.721386	0.7	2114511.477
Pb	206	1	He	84.544188	0.4	1490684.610
Pb	207	1	He	84.474552	0.7	1244501.493
Pb	208	1	He	83.590605	0.2	5813464.077
Bi	209	1	He	80.469266	1.1	4403763.373
Th	232	1	He	80.961994	0.8	6262316.577
U	238	1	He	82.096590	0.5	6495317.193

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.33437024	1020729.873
Sc	45	2	H2	90.53520960	6067825.167
Ge	72	1	He	91.13236787	617095.043
Ge	72	2	H2	91.88533785	1666665.417
In	115	1	He	88.60733644	6458937.397
Tb	159	1	He	94.52737162	15306079.353
Ir	193	1	He	92.81579830	7255616.973

Sample Name	4323805_B70205Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	110SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:46:26
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.680415	6.7	591.177
Be	9	2	H2	0.030936	26.5	26.667
B	11	2	H2	5.881122	7.9	7038.120
Na	23	1	He	5292.538323	0.4	10053742.763
Mg	24	1	He	5309.213735	0.8	5595963.877
Al	27	1	He	66.351825	0.5	38099.903
Si	28	2	H2	812.116355	6.0	3640822.667
K	39	1	He	1810.032314	1.3	2967466.207
Ca	43	1	He	29911.31919	0.4	144108.170
Ca	44	1	He	30341.59411	1.4	2447866.153
Ti	47	1	He	0.044174	32.4	26.000
V	51	1	He	0.359545	6.6	2655.620
Cr	52	1	He	0.169792	3.6	3039.600
Mn	55	1	He	5.766942	0.7	64654.727
Fe	56	1	He	2.529927	0.6	50872.513
Co	59	1	He	0.152430	5.7	3331.650
Ni	60	1	He	0.296836	8.8	2400.837
Cu	63	1	He	1.195068	2.2	16284.057
Zn	66	1	He	26.651706	0.3	73630.643
As	75	1	He	0.394242	2.4	1156.873
Se	78	2	H2	0.107188	6.1	139.333
Sr	88	1	He	80.196373	0.6	1547975.757
Mo	95	1	He	0.371634	4.0	3126.983
Pd	105	1	He	0.020951	48.0	293.340
Ag	107	1	He	0.190376	18.7	5562.633
Cd	111	1	He	0.014086	19.4	69.060
Sn	118	1	He	1.374647	1.5	17040.310
Sb	121	1	He	0.077171	8.7	1330.060
Ba	138	1	He	27.603054	0.4	1101486.260
Pt	195	1	He	0.004108	23.4	153.333
Hg	202	1	He	0.013527	70.2	180.003
Tl	205	1	He	0.061111	22.4	4093.920
Pb	206	1	He	0.547244	4.5	10178.350
Pb	207	1	He	0.543527	3.3	9349.460
Pb	208	1	He	0.547301	1.1	41065.760
Bi	209	1	He	0.013237	22.9	2380.233
Th	232	1	He	0.009930	8.6	861.703
U	238	1	He	0.009072	7.0	841.697

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.72892342	1046917.353
Sc	45	2	H2	96.57033553	6472309.667
Ge	72	1	He	94.23010466	638071.103
Ge	72	2	H2	96.82960209	1756347.127
In	115	1	He	95.77523199	6981433.507
Tb	159	1	He	98.78606305	15995656.010
Ir	193	1	He	97.30521549	7606564.680

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	111_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:50:02
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	81.265811	5.3	61572.057
Be	9	2	H2	80.976264	4.8	52274.060
B	11	2	H2	79.594148	5.2	56910.670
Na	23	1	He	2065.033907	0.9	3869320.257
Mg	24	1	He	2041.942398	0.8	2119370.127
Al	27	1	He	1997.949106	0.4	1121559.583
Si	28	2	H2	1003.480800	4.9	4412981.667
K	39	1	He	2023.472200	0.2	3248725.157
Ca	43	1	He	2031.568435	1.5	9638.367
Ca	44	1	He	1988.705998	0.8	158007.373
Ti	47	1	He	77.479520	1.0	39424.470
V	51	1	He	82.601762	0.4	992567.620
Cr	52	1	He	83.356242	0.5	1199893.707
Mn	55	1	He	84.058316	0.8	914650.207
Fe	56	1	He	1041.027463	0.4	13710939.333
Co	59	1	He	83.903584	1.9	1764549.167
Ni	60	1	He	84.741169	1.3	437059.147
Cu	63	1	He	86.968272	1.5	1153951.580
Zn	66	1	He	82.454410	0.3	225675.330
As	75	1	He	79.949524	1.0	179326.830
Se	78	2	H2	78.563911	0.6	87925.470
Sr	88	1	He	76.390883	0.4	1440743.730
Mo	95	1	He	83.317592	0.8	690626.060
Pd	105	1	He	80.905617	0.6	973819.440
Ag	107	1	He	41.092888	3.3	986425.323
Cd	111	1	He	79.863633	1.5	364651.270
Sn	118	1	He	79.136280	1.3	948840.430
Sb	121	1	He	76.528365	1.4	1197066.910
Ba	138	1	He	79.428925	0.5	3111609.433
Pt	195	1	He	81.614025	1.7	1189747.013
Hg	202	1	He	3.632584	0.5	26782.633
Tl	205	1	He	40.209607	1.0	2142298.770
Pb	206	1	He	82.113057	1.3	1485429.667
Pb	207	1	He	86.130115	1.0	1301849.693
Pb	208	1	He	83.486722	1.0	5957204.107
Bi	209	1	He	84.683799	1.2	4755157.533
Th	232	1	He	78.648731	0.5	6365099.280
U	238	1	He	76.253630	1.0	6312338.657

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.17105862	1029880.123
Sc	45	2	H2	94.82770385	6355515.500
Ge	72	1	He	93.54583749	633437.647
Ge	72	2	H2	95.31684210	1728907.877
In	115	1	He	93.57828066	6821289.080
Tb	159	1	He	96.98787434	15704489.350
Ir	193	1	He	97.11289704	7591530.720

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	112_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:53:38
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.066993	23.6	119.833
Be	9	2	H2	0.037296	27.0	31.333
B	11	2	H2	1.088270	38.8	3783.810
Na	23	1	He	4.192190	4.3	25257.270
Mg	24	1	He	-2.272696		1058.377
Al	27	1	He	0.284992	3.9	408.677
Si	28	2	H2	-0.118129		11950.020
K	39	1	He	7.679903	11.8	140242.410
Ca	43	1	He	1.982858	36.1	19.937
Ca	44	1	He	2.179626	24.2	357.623
Ti	47	1	He	0.011875	19.3	9.333
V	51	1	He	-0.005030		-1806.207
Cr	52	1	He	-0.000514		549.343
Mn	55	1	He	-0.058223		288.667
Fe	56	1	He	-0.034306		16598.297
Co	59	1	He	0.001867	54.8	142.000
Ni	60	1	He	-0.123842		220.000
Cu	63	1	He	0.015590	17.8	524.010
Zn	66	1	He	0.015769	59.5	266.667
As	75	1	He	-0.007089		251.667
Se	78	2	H2	0.008932	53.8	28.000
Sr	88	1	He	0.012050	51.0	461.680
Mo	95	1	He	0.009139	22.5	100.000
Pd	105	1	He	0.008150	35.1	136.667
Ag	107	1	He	0.205778	13.7	5994.427
Cd	111	1	He	0.008167	59.1	41.633
Sn	118	1	He	0.048462	20.7	773.360
Sb	121	1	He	0.010013	8.9	256.670
Ba	138	1	He	0.013394	6.6	693.353
Pt	195	1	He	0.007918	59.9	210.007
Hg	202	1	He	0.031693	24.3	316.677
Tl	205	1	He	0.041641	20.4	3040.323
Pb	206	1	He	0.009541	6.7	273.343
Pb	207	1	He	0.010332	40.8	1148.387
Pb	208	1	He	0.008163	5.8	1893.407
Bi	209	1	He	0.004224	70.9	1866.820
Th	232	1	He	0.008618	11.3	761.693
U	238	1	He	0.004926	16.3	501.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.82040067	1047917.773
Sc	45	2	H2	97.98557830	6567161.667
Ge	72	1	He	94.31262361	638629.873
Ge	72	2	H2	98.21983969	1781564.000
In	115	1	He	96.60085303	7041616.273
Tb	159	1	He	98.92471760	16018107.260
Ir	193	1	He	98.10776239	7669301.553

Sample Name	4322473_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	113SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:57:14
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	108.684183	4.5	77934.423
Be	9	2	H2	108.304916	4.0	66179.530
B	11	2	H2	129.035386	6.5	85643.630
Na	23	1	He	27124.57797	1.3	50113469.253
Mg	24	1	He	26758.63710	1.4	27455367.090
Al	27	1	He	2434.868885	1.3	1353150.997
Si	28	2	H2	4246.245109	6.4	17650146.000
K	39	1	He	10712.33188	1.6	16491824.340
Ca	43	1	He	144538.3326	1.0	678199.500
Ca	44	1	He	144774.0656	0.7	11375880.473
Ti	47	1	He	103.966597	1.2	52375.007
V	51	1	He	113.991924	0.9	1356791.017
Cr	52	1	He	110.625117	1.3	1576356.667
Mn	55	1	He	133.730400	1.2	1440121.833
Fe	56	1	He	2189.726579	1.3	28534392.667
Co	59	1	He	113.072929	0.5	2304690.917
Ni	60	1	He	112.824268	0.9	563641.333
Cu	63	1	He	114.371625	0.2	1470673.707
Zn	66	1	He	228.992464	0.1	607011.813
As	75	1	He	113.081009	0.6	245704.320
Se	78	2	H2	109.335367	1.7	116516.317
Sr	88	1	He	505.672209	0.4	9007928.410
Mo	95	1	He	115.975679	0.9	931609.827
Pd	105	1	He	20.954329	1.3	238282.457
Ag	107	1	He	48.870402	2.5	1108168.550
Cd	111	1	He	106.918393	0.1	461174.560
Sn	118	1	He	112.317614	1.0	1272131.283
Sb	121	1	He	105.532577	0.2	1559421.073
Ba	138	1	He	241.706132	1.7	8941410.493
Pt	195	1	He	21.694688	0.3	298778.457
Hg	202	1	He	0.033704	29.4	306.680
Tl	205	1	He	109.562118	1.7	5511155.127
Pb	206	1	He	112.824336	1.6	1927397.577
Pb	207	1	He	112.816554	1.2	1610107.267
Pb	208	1	He	112.960086	1.2	7611700.720
Bi	209	1	He	110.988660	1.5	5885414.703
Th	232	1	He	111.896766	1.3	8418802.790
U	238	1	He	109.797613	0.5	8449836.537

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.24077892	1019706.333
Sc	45	2	H2	89.74710684	6015005.167
Ge	72	1	He	90.65534101	613864.897
Ge	72	2	H2	90.77221727	1646475.040
In	115	1	He	88.39784640	6443666.843
Tb	159	1	He	91.60139590	14832298.947
Ir	193	1	He	90.28335569	7057650.313

Sample Name	4322474_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	114SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:00:50
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	107.929902	3.7	77484.880
Be	9	2	H2	107.446440	2.5	65719.893
B	11	2	H2	126.315543	3.8	83958.850
Na	23	1	He	26970.93153	0.6	49837325.923
Mg	24	1	He	26583.67480	0.4	27280038.757
Al	27	1	He	2404.288071	0.7	1336333.917
Si	28	2	H2	4216.275305	5.5	17546397.333
K	39	1	He	10618.03510	0.6	16350027.260
Ca	43	1	He	143472.2299	0.8	673257.933
Ca	44	1	He	143634.1322	0.3	11287539.567
Ti	47	1	He	102.225199	2.4	51499.633
V	51	1	He	112.282464	0.6	1336564.810
Cr	52	1	He	109.057645	0.4	1554249.167
Mn	55	1	He	132.387069	0.2	1425853.497
Fe	56	1	He	2161.534754	0.4	28170984.000
Co	59	1	He	111.142070	0.7	2269331.333
Ni	60	1	He	111.430718	1.0	557690.523
Cu	63	1	He	112.981156	1.0	1455353.123
Zn	66	1	He	225.986092	1.0	600094.460
As	75	1	He	111.035914	0.8	241692.473
Se	78	2	H2	109.733471	0.3	116875.647
Sr	88	1	He	496.066601	0.3	8851344.450
Mo	95	1	He	114.239806	0.6	919323.347
Pd	105	1	He	20.445468	1.6	232868.397
Ag	107	1	He	48.489989	2.8	1101265.243
Cd	111	1	He	105.993808	1.2	457923.730
Sn	118	1	He	111.016887	0.1	1259478.497
Sb	121	1	He	103.767787	0.9	1535877.057
Ba	138	1	He	234.905677	0.1	8800623.200
Pt	195	1	He	21.276865	0.5	296714.007
Hg	202	1	He	0.025443	55.6	253.340
Tl	205	1	He	106.904154	0.7	5446165.960
Pb	206	1	He	109.362050	0.7	1892084.297
Pb	207	1	He	110.776022	0.0	1601093.937
Pb	208	1	He	110.464376	0.2	7538215.360
Bi	209	1	He	107.505897	0.8	5773090.327
Th	232	1	He	108.232346	0.8	8192121.547
U	238	1	He	108.247272	1.2	8380557.587

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.24630914	1019766.813
Sc	45	2	H2	89.83685636	6021020.333
Ge	72	1	He	90.81683459	614958.437
Ge	72	2	H2	90.71520697	1645440.957
In	115	1	He	88.54422849	6454337.210
Tb	159	1	He	92.75557936	15019186.863
Ir	193	1	He	90.82537471	7100021.143

Sample Name	10607436003_B70205Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	115SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:04:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.207885	21.0	228.000
Be	9	2	H2	0.048452	22.9	38.333
B	11	2	H2	2.371975	26.8	4634.003
Na	23	1	He	1251.040337	1.0	2389011.213
Mg	24	1	He	1243.173704	1.4	1312607.923
Al	27	1	He	16.736461	0.7	9791.260
Si	28	2	H2	189.924848	6.0	864414.103
K	39	1	He	435.210797	0.7	810577.590
Ca	43	1	He	6931.771074	0.5	33394.870
Ca	44	1	He	7136.230460	0.8	575733.890
Ti	47	1	He	0.023501	34.4	15.333
V	51	1	He	0.103007	31.2	-484.440
Cr	52	1	He	0.046761	5.5	1240.050
Mn	55	1	He	1.299646	0.3	15288.487
Fe	56	1	He	0.876843	4.8	28757.463
Co	59	1	He	0.039843	11.5	948.693
Ni	60	1	He	-0.019015		765.353
Cu	63	1	He	0.297797	5.7	4305.197
Zn	66	1	He	6.194335	1.0	17326.373
As	75	1	He	0.095409	11.3	483.843
Se	78	2	H2	0.031901	26.6	54.333
Sr	88	1	He	18.265777	0.9	354856.517
Mo	95	1	He	0.091922	11.5	793.360
Pd	105	1	He	0.004940	76.9	96.667
Ag	107	1	He	0.207036	17.6	6014.453
Cd	111	1	He	0.011326	11.3	56.427
Sn	118	1	He	0.463919	1.5	5899.403
Sb	121	1	He	0.023316	14.2	470.010
Ba	138	1	He	6.464198	0.4	257382.367
Pt	195	1	He	0.005275	68.7	170.003
Hg	202	1	He	0.013112	31.7	176.673
Tl	205	1	He	0.028795	12.5	2333.533
Pb	206	1	He	0.135431	3.5	2585.237
Pb	207	1	He	0.141658	9.8	3158.677
Pb	208	1	He	0.139773	3.1	11423.300
Bi	209	1	He	0.010899	24.1	2240.207
Th	232	1	He	0.013256	4.4	1138.387
U	238	1	He	0.007550	18.6	720.027

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.70108790	1046612.937
Sc	45	2	H2	97.00555516	6501478.833
Ge	72	1	He	94.46186322	639640.437
Ge	72	2	H2	97.81640542	1774246.293
In	115	1	He	96.34819228	7023198.837
Tb	159	1	He	98.51978804	15952540.177
Ir	193	1	He	97.86178575	7650073.013

Sample Name	4323804_B70205Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	116SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:08:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	87.828096	4.5	64963.983
Be	9	2	H2	87.458874	3.2	55107.360
B	11	2	H2	86.236725	3.4	59939.907
Na	23	1	He	3505.327009	5.2	6253270.740
Mg	24	1	He	3497.262398	4.8	3460164.113
Al	27	1	He	2220.245870	3.8	1189186.043
Si	28	2	H2	1300.011936	4.9	5578126.667
K	39	1	He	2662.737596	4.9	4040090.253
Ca	43	1	He	9417.713252	3.7	42597.623
Ca	44	1	He	9651.019731	3.8	731001.683
Ti	47	1	He	83.821100	5.8	40673.163
V	51	1	He	89.888440	3.8	1030750.753
Cr	52	1	He	90.912198	3.9	1248562.750
Mn	55	1	He	91.048104	4.0	945171.937
Fe	56	1	He	1146.252719	4.7	14399472.333
Co	59	1	He	90.436774	5.1	1826596.330
Ni	60	1	He	90.661337	4.1	449105.197
Cu	63	1	He	92.639520	4.0	1180816.127
Zn	66	1	He	95.533317	3.9	251143.287
As	75	1	He	87.093764	3.9	187642.860
Se	78	2	H2	84.798165	0.5	93030.207
Sr	88	1	He	103.075477	2.6	1853390.230
Mo	95	1	He	90.200992	3.9	718261.913
Pd	105	1	He	88.257608	2.4	1012896.390
Ag	107	1	He	44.183631	1.8	1011788.267
Cd	111	1	He	86.618152	2.7	377075.677
Sn	118	1	He	85.922034	3.7	982036.600
Sb	121	1	He	84.883237	1.9	1266137.170
Ba	138	1	He	92.999389	3.5	3510215.883
Pt	195	1	He	87.742136	4.1	1232248.653
Hg	202	1	He	0.006820	14.5	123.333
Tl	205	1	He	44.546686	3.7	2286594.237
Pb	206	1	He	89.689948	3.5	1563308.517
Pb	207	1	He	90.102615	3.2	1312243.813
Pb	208	1	He	89.155935	3.8	6129131.760
Bi	209	1	He	92.139725	4.3	4983958.053
Th	232	1	He	88.055802	3.7	6733186.567
U	238	1	He	86.847423	3.5	6793075.733

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	89.94975373	983714.793
Sc	45	2	H2	92.55069314	6202906.333
Ge	72	1	He	89.95715159	609137.167
Ge	72	2	H2	93.43442014	1694763.500
In	115	1	He	89.26516337	6506888.990
Tb	159	1	He	93.53204535	15144913.940
Ir	193	1	He	91.82663624	7178291.980

Sample Name	4323805_B70205Dx100
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	117SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:11:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.102968	25.9	144.667
Be	9	2	H2	0.039013	21.4	31.667
B	11	2	H2	1.007774	19.3	3633.743
Na	23	1	He	252.652055	0.2	490162.287
Mg	24	1	He	252.484924	0.9	266027.853
Al	27	1	He	4.369934	4.2	2704.203
Si	28	2	H2	38.994701	5.2	184628.260
K	39	1	He	94.317756	2.4	272549.350
Ca	43	1	He	1417.146057	1.2	6751.557
Ca	44	1	He	1460.152518	0.6	116495.967
Ti	47	1	He	0.016058	92.8	11.333
V	51	1	He	0.045922	173.0	-1168.990
Cr	52	1	He	0.030595	12.4	991.363
Mn	55	1	He	0.213331	2.5	3247.633
Fe	56	1	He	0.299460	2.4	20780.620
Co	59	1	He	0.010125	16.0	314.667
Ni	60	1	He	-0.095305		365.340
Cu	63	1	He	0.115582	3.4	1847.437
Zn	66	1	He	1.251900	3.1	3646.383
As	75	1	He	0.010503	68.7	289.167
Se	78	2	H2	0.010038	71.6	28.667
Sr	88	1	He	3.724136	2.0	71446.130
Mo	95	1	He	0.026931	17.4	246.670
Pd	105	1	He	0.005334	70.4	100.000
Ag	107	1	He	0.187420	22.1	5444.267
Cd	111	1	He	0.010113	47.0	49.923
Sn	118	1	He	0.199369	2.6	2595.217
Sb	121	1	He	0.010403	4.5	258.337
Ba	138	1	He	1.318100	2.4	52225.520
Pt	195	1	He	0.005343	20.6	170.000
Hg	202	1	He	0.007894	40.9	136.667
Tl	205	1	He	0.045986	19.6	3240.363
Pb	206	1	He	0.036069	21.4	755.027
Pb	207	1	He	0.031221	16.8	1453.420
Pb	208	1	He	0.034486	5.4	3766.870
Bi	209	1	He	0.003412	80.7	1800.143
Th	232	1	He	0.008143	8.1	718.357
U	238	1	He	0.004439	16.6	458.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.52483768	1033749.147
Sc	45	2	H2	95.60080153	6407329.833
Ge	72	1	He	93.59534659	633772.893
Ge	72	2	H2	96.08857165	1742905.920
In	115	1	He	94.91312720	6918591.297
Tb	159	1	He	97.81864627	15839009.763
Ir	193	1	He	97.48180737	7620369.260

Sample Name	10607436004_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	118SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:15:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.808999	3.6	2737.867
Be	9	2	H2	0.053948	20.1	38.167
B	11	2	H2	27.128251	8.0	19814.220
Na	23	1	He	41976.85281	0.5	75906505.537
Mg	24	1	He	40392.53735	1.1	40566484.397
Al	27	1	He	591.916164	0.5	322180.553
Si	28	2	H2	6273.567469	7.0	25586334.667
K	39	1	He	13617.05151	0.2	20488185.527
Ca	43	1	He	228230.5424	0.1	1048251.353
Ca	44	1	He	228856.0994	1.3	17601500.440
Ti	47	1	He	0.188401	16.6	96.000
V	51	1	He	2.568814	6.1	28310.630
Cr	52	1	He	0.980720	6.9	14208.933
Mn	55	1	He	46.530659	0.4	491072.227
Fe	56	1	He	10.793249	0.7	153848.650
Co	59	1	He	1.238757	0.8	24492.583
Ni	60	1	He	2.530018	1.6	12996.030
Cu	63	1	He	6.101134	0.9	76085.050
Zn	66	1	He	6.575195	2.0	17041.423
As	75	1	He	3.171392	1.4	6899.833
Se	78	2	H2	0.792425	2.8	841.353
Sr	88	1	He	637.522002	0.5	11302559.830
Mo	95	1	He	2.976430	1.9	23122.063
Pd	105	1	He	0.103234	13.2	1200.063
Ag	107	1	He	0.054770	6.9	2055.147
Cd	111	1	He	0.066024	10.4	286.407
Sn	118	1	He	0.111929	3.5	1420.073
Sb	121	1	He	0.579236	2.6	8605.587
Ba	138	1	He	216.963243	0.7	8195747.583
Pt	195	1	He	0.009402	47.6	220.007
Hg	202	1	He	0.023811	45.6	243.340
Tl	205	1	He	0.067429	5.0	4198.937
Pb	206	1	He	0.051086	3.8	983.377
Pb	207	1	He	0.038188	21.6	1491.750
Pb	208	1	He	0.046909	7.5	4456.937
Bi	209	1	He	0.007587	38.4	1946.830
Th	232	1	He	0.008257	7.6	683.353
U	238	1	He	0.041728	6.5	3340.387

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.26499284	998098.603
Sc	45	2	H2	88.06320488	5902147.167
Ge	72	1	He	87.60662696	593220.790
Ge	72	2	H2	88.71261047	1609116.790
In	115	1	He	87.97889193	6413127.603
Tb	159	1	He	93.52833989	15144313.943
Ir	193	1	He	91.57779460	7158839.477

Sample Name	10607436004_B70205Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	119SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:18:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.250966	4.6	256.000
Be	9	2	H2	0.023888	10.5	21.667
B	11	2	H2	1.490391	25.0	3950.490
Na	23	1	He	2151.100099	2.7	3936809.523
Mg	24	1	He	2110.222991	2.5	2139640.073
Al	27	1	He	31.130814	2.9	17304.040
Si	28	2	H2	336.611422	4.6	1493907.957
K	39	1	He	724.940277	2.8	1216031.673
Ca	43	1	He	11593.67671	3.0	53682.287
Ca	44	1	He	11907.26174	2.5	923378.877
Ti	47	1	He	0.035497	19.9	20.667
V	51	1	He	0.119343	59.7	-286.227
Cr	52	1	He	0.056098	10.0	1322.720
Mn	55	1	He	2.359446	2.6	25951.903
Fe	56	1	He	0.604996	7.5	24152.763
Co	59	1	He	0.064174	3.5	1406.727
Ni	60	1	He	0.014809	84.3	902.693
Cu	63	1	He	0.765807	3.5	10148.887
Zn	66	1	He	1.547918	5.3	4315.870
As	75	1	He	0.158296	6.2	601.010
Se	78	2	H2	0.044259	18.0	67.000
Sr	88	1	He	31.228692	2.2	581737.737
Mo	95	1	He	0.154942	8.7	1266.727
Pd	105	1	He	0.010653	45.3	160.003
Ag	107	1	He	0.018555	48.3	1298.397
Cd	111	1	He	0.004377	50.0	22.953
Sn	118	1	He	0.124654	12.8	1645.097
Sb	121	1	He	0.030083	10.0	555.017
Ba	138	1	He	10.942412	2.4	423424.357
Pt	195	1	He	0.003262	57.6	136.667
Hg	202	1	He	0.005882	117.5	120.003
Tl	205	1	He	0.000887	75.8	800.030
Pb	206	1	He	0.303554	5.8	5514.337
Pb	207	1	He	0.321387	6.8	5751.103
Pb	208	1	He	0.311492	0.9	23206.690
Bi	209	1	He	0.002420	99.4	1706.803
Th	232	1	He	0.001777	45.1	196.670
U	238	1	He	0.002562	12.1	295.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.03819035	1006554.500
Sc	45	2	H2	95.14989544	6377109.333
Ge	72	1	He	90.70942522	614231.123
Ge	72	2	H2	95.74925244	1736751.167
In	115	1	He	92.43654072	6738063.163
Tb	159	1	He	95.80170023	15512421.437
Ir	193	1	He	95.26335896	7446948.223

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	120_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:22:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	84.223470	5.4	61409.840
Be	9	2	H2	84.102949	4.2	52243.080
B	11	2	H2	82.179231	4.7	56439.103
Na	23	1	He	2063.816924	0.8	3757307.443
Mg	24	1	He	2061.273025	0.4	2078680.127
Al	27	1	He	2013.307907	0.7	1098098.790
Si	28	2	H2	1024.286914	5.5	4334461.333
K	39	1	He	2028.870836	0.5	3164621.727
Ca	43	1	He	2009.361700	1.9	9262.040
Ca	44	1	He	2005.958061	0.5	154854.940
Ti	47	1	He	77.134784	1.4	38133.707
V	51	1	He	82.295672	1.5	960793.320
Cr	52	1	He	83.172473	0.7	1163261.707
Mn	55	1	He	84.215825	0.7	890352.083
Fe	56	1	He	1047.366849	0.7	13402800.667
Co	59	1	He	84.443946	0.7	1725382.710
Ni	60	1	He	85.117103	0.9	426493.720
Cu	63	1	He	87.285496	0.8	1125219.877
Zn	66	1	He	82.743415	0.2	220006.280
As	75	1	He	79.540407	0.1	173327.947
Se	78	2	H2	79.845186	1.1	86229.850
Sr	88	1	He	76.310874	0.3	1403794.197
Mo	95	1	He	82.601649	0.5	665170.930
Pd	105	1	He	80.030346	1.4	939531.653
Ag	107	1	He	40.452759	4.8	947109.857
Cd	111	1	He	79.991144	1.3	356239.080
Sn	118	1	He	79.556826	0.9	930415.197
Sb	121	1	He	76.447070	0.9	1166376.157
Ba	138	1	He	78.639239	1.0	3042278.077
Pt	195	1	He	80.463821	1.3	1158438.447
Hg	202	1	He	3.601276	3.4	26221.680
Tl	205	1	He	40.182685	1.2	2114182.417
Pb	206	1	He	81.399674	1.5	1454196.020
Pb	207	1	He	84.852583	1.4	1266600.840
Pb	208	1	He	82.509038	1.1	5814259.313
Bi	209	1	He	84.199317	0.9	4669237.640
Th	232	1	He	79.299864	0.2	6281184.490
U	238	1	He	77.132434	0.7	6249099.907

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.49920219	1000659.980
Sc	45	2	H2	91.26402312	6116671.500
Ge	72	1	He	90.87656460	615362.893
Ge	72	2	H2	91.98556167	1668483.330
In	115	1	He	91.27415965	6653332.633
Tb	159	1	He	95.78155166	15509158.937
Ir	193	1	He	95.04492028	7429872.387

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	121_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:26:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.075518	22.5	117.333
Be	9	2	H2	0.029076	2.8	23.833
B	11	2	H2	0.855961	44.4	3350.360
Na	23	1	He	4.081404	5.0	23131.197
Mg	24	1	He	-2.237471		1011.703
Al	27	1	He	0.187901	67.6	326.003
Si	28	2	H2	-0.061810		11306.933
K	39	1	He	8.336838	5.4	130464.180
Ca	43	1	He	2.107319	90.7	18.977
Ca	44	1	He	2.212497	52.7	332.597
Ti	47	1	He	0.006416	173.6	6.000
V	51	1	He	0.057716	111.6	-962.193
Cr	52	1	He	0.002399	149.8	546.677
Mn	55	1	He	-0.065458		192.667
Fe	56	1	He	-0.075489		14819.423
Co	59	1	He	-0.000153		92.667
Ni	60	1	He	-0.126176		194.000
Cu	63	1	He	0.009207	23.9	409.343
Zn	66	1	He	0.018793	87.9	256.667
As	75	1	He	-0.003368		242.833
Se	78	2	H2	0.002873	209.8	19.667
Sr	88	1	He	0.002386	38.8	255.003
Mo	95	1	He	0.009803	43.4	98.333
Pd	105	1	He	0.006925	49.9	113.333
Ag	107	1	He	0.192563	16.0	5285.873
Cd	111	1	He	0.003100	41.7	16.637
Sn	118	1	He	0.033174	10.2	545.013
Sb	121	1	He	0.003181	124.2	136.667
Ba	138	1	He	0.009251	26.4	495.010
Pt	195	1	He	0.004286	89.4	146.670
Hg	202	1	He	0.032052	42.0	300.007
Tl	205	1	He	0.044145	17.7	2978.647
Pb	206	1	He	0.006754	51.4	208.337
Pb	207	1	He	0.000435	1022.7	933.370
Pb	208	1	He	0.005972	25.8	1625.050
Bi	209	1	He	0.003643	67.9	1716.803
Th	232	1	He	0.005081	7.9	448.343
U	238	1	He	0.001886	34.1	235.000

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.49006013	967751.190
Sc	45	2	H2	90.75227855	6082373.500
Ge	72	1	He	87.99230512	595832.377
Ge	72	2	H2	91.62518748	1661946.670
In	115	1	He	90.05686600	6564599.310
Tb	159	1	He	92.66430350	15004407.277
Ir	193	1	He	92.99866381	7269911.977

Sample Name	4322831_B70209Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	122SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:29:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.045797	36.6	100.167
Be	9	2	H2	0.026108	34.5	23.000
B	11	2	H2	0.056553	335.3	2960.290
Na	23	1	He	4.705374	1.9	25317.353
Mg	24	1	He	0.173104	32.5	3510.367
Al	27	1	He	2.471324	3.0	1599.407
Si	28	2	H2	1.427609	17.0	18349.137
K	39	1	He	5.316563	17.4	131771.587
Ca	43	1	He	8.955677	12.7	51.697
Ca	44	1	He	9.939003	8.9	949.970
Ti	47	1	He	0.059252	28.5	32.667
V	51	1	He	0.034578	362.1	-1273.753
Cr	52	1	He	0.284902	3.2	4563.253
Mn	55	1	He	-0.022742		657.347
Fe	56	1	He	2.454818	0.7	48175.820
Co	59	1	He	0.003296	59.7	165.333
Ni	60	1	He	-0.103177		314.000
Cu	63	1	He	0.018589	14.6	541.343
Zn	66	1	He	1.339596	3.4	3757.737
As	75	1	He	-0.001389		253.833
Se	78	2	H2	0.010151	37.4	28.333
Sr	88	1	He	0.016116	14.1	525.013
Mo	95	1	He	0.007151	39.8	80.000
Pd	105	1	He	0.003775	37.4	80.000
Ag	107	1	He	0.037469	19.4	1775.107
Cd	111	1	He	0.006609	94.3	33.310
Sn	118	1	He	0.079856	7.3	1128.380
Sb	121	1	He	0.022610	10.0	446.677
Ba	138	1	He	0.010786	26.7	575.017
Pt	195	1	He	0.009633	38.6	230.007
Hg	202	1	He	0.019580	36.1	220.007
Tl	205	1	He	0.006815	15.0	1120.053
Pb	206	1	He	0.009914	39.0	273.337
Pb	207	1	He	0.011472	46.8	1136.720
Pb	208	1	He	0.010596	16.9	2018.410
Bi	209	1	He	0.003696	93.1	1790.150
Th	232	1	He	0.003201	14.5	316.673
U	238	1	He	0.001073	22.1	178.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.48275661	1011416.397
Sc	45	2	H2	94.81757529	6354836.667
Ge	72	1	He	90.49237309	612761.373
Ge	72	2	H2	94.58854018	1715697.547
In	115	1	He	93.78407414	6836290.177
Tb	159	1	He	96.44863901	15617175.183
Ir	193	1	He	97.31457516	7607296.347

Sample Name	4322832_B70209Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	123SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:33:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	113.470669	10.5	77001.003
Be	9	2	H2	113.034961	10.4	65373.397
B	11	2	H2	110.833756	8.7	70081.460
Na	23	1	He	2119.019028	0.3	3814780.983
Mg	24	1	He	2101.195233	0.9	2095501.947
Al	27	1	He	2057.631509	0.3	1109884.420
Si	28	2	H2	561.736277	8.6	2221516.043
K	39	1	He	2095.816425	0.3	3228929.637
Ca	43	1	He	2079.905116	0.9	9481.400
Ca	44	1	He	2049.291107	1.5	156441.223
Ti	47	1	He	96.592335	0.9	47226.837
V	51	1	He	104.836014	0.7	1210900.967
Cr	52	1	He	106.569785	0.5	1473901.710
Mn	55	1	He	105.337494	0.3	1101143.293
Fe	56	1	He	2135.838671	0.6	27013390.000
Co	59	1	He	108.046631	1.3	2196053.333
Ni	60	1	He	108.475525	0.5	540448.373
Cu	63	1	He	108.503230	0.5	1391314.667
Zn	66	1	He	106.392660	0.4	281344.060
As	75	1	He	102.976023	0.8	223143.000
Se	78	2	H2	110.612466	12.4	110738.093
Sr	88	1	He	100.058494	1.4	1798708.827
Mo	95	1	He	105.517716	0.2	845269.260
Pd	105	1	He	21.112672	0.9	242255.147
Ag	107	1	He	50.029028	3.3	1144796.260
Cd	111	1	He	103.200740	0.6	449167.220
Sn	118	1	He	99.582710	1.1	1138150.557
Sb	121	1	He	99.499737	0.9	1483561.330
Ba	138	1	He	101.298915	1.6	3850166.090
Pt	195	1	He	20.789882	1.0	294142.450
Hg	202	1	He	0.021230	16.8	226.673
Tl	205	1	He	106.432188	1.6	5500723.043
Pb	206	1	He	107.875677	1.7	1893385.703
Pb	207	1	He	106.836130	2.4	1566498.413
Pb	208	1	He	106.760180	1.9	7390873.640
Bi	209	1	He	107.694321	1.1	5867221.163
Th	232	1	He	104.432941	0.9	8211670.087
U	238	1	He	99.884210	1.2	8033477.383

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.48731118	989593.667
Sc	45	2	H2	85.84774885	5753663.500
Ge	72	1	He	90.40127937	612144.540
Ge	72	2	H2	86.11634695	1562024.373
In	115	1	He	89.19846093	6502026.787
Tb	159	1	He	94.10636952	15237909.770
Ir	193	1	He	94.35645644	7376053.640

Sample Name	92603477004_B70209Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	124SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:36:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.427048	6.0	380.000
Be	9	2	H2	0.027442	20.3	23.333
B	11	2	H2	41.287488	5.5	30244.870
Na	23	1	He	9445.377178	0.8	16965697.250
Mg	24	1	He	680.027981	0.5	681109.420
Al	27	1	He	179.172519	1.0	96962.080
Si	28	2	H2	1086.616631	2.4	4670786.333
K	39	1	He	2623.756859	0.5	4016120.877
Ca	43	1	He	2041.539216	0.5	9316.610
Ca	44	1	He	2105.859750	0.1	160935.280
Ti	47	1	He	4.032179	21.7	1976.887
V	51	1	He	0.282464	16.1	1618.837
Cr	52	1	He	0.567674	0.8	8383.297
Mn	55	1	He	13.437764	0.5	141390.313
Fe	56	1	He	396.734289	0.9	5036177.833
Co	59	1	He	0.149200	6.3	3092.947
Ni	60	1	He	0.500488	6.3	3276.977
Cu	63	1	He	6.590364	0.2	83767.600
Zn	66	1	He	113.311000	0.6	296006.650
As	75	1	He	0.089544	8.5	445.010
Se	78	2	H2	0.149197	7.7	178.667
Sr	88	1	He	7.959808	1.3	147670.287
Mo	95	1	He	0.592222	6.5	4709.010
Pd	105	1	He	0.003336	76.2	73.333
Ag	107	1	He	0.280557	16.0	7471.690
Cd	111	1	He	0.035030	6.4	160.253
Sn	118	1	He	1.079939	0.5	12884.923
Sb	121	1	He	0.216879	3.1	3423.707
Ba	138	1	He	8.908369	0.8	346537.403
Pt	195	1	He	0.005543	55.4	170.003
Hg	202	1	He	0.015516	36.5	190.003
Tl	205	1	He	0.054957	32.6	3663.807
Pb	206	1	He	0.559959	0.9	10149.987
Pb	207	1	He	0.554422	4.7	9276.100
Pb	208	1	He	0.560337	1.5	40945.670
Bi	209	1	He	1.633181	1.6	92594.360
Th	232	1	He	0.011914	17.7	1015.063
U	238	1	He	0.013249	6.6	1180.057

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.58501146	990662.143
Sc	45	2	H2	92.72913530	6214865.833
Ge	72	1	He	89.30908759	604748.857
Ge	72	2	H2	92.42969898	1676539.330
In	115	1	He	91.93508949	6701510.410
Tb	159	1	He	96.27419051	15588928.100
Ir	193	1	He	96.65940849	7556080.513

Sample Name	4323874_B70209Dx25
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	125SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:40:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.113998	22.2	145.000
Be	9	2	H2	0.023196	16.3	20.167
B	11	2	H2	8.628603	9.0	8382.040
Na	23	1	He	1901.752571	1.1	3389846.720
Mg	24	1	He	137.988154	1.5	139205.970
Al	27	1	He	36.562210	1.9	19742.830
Si	28	2	H2	215.417219	5.2	913941.313
K	39	1	He	542.439793	1.0	915863.607
Ca	43	1	He	423.323256	1.4	1917.447
Ca	44	1	He	425.224013	1.8	32262.033
Ti	47	1	He	1.024398	13.3	498.707
V	51	1	He	0.170203	25.2	317.043
Cr	52	1	He	0.101226	5.0	1905.443
Mn	55	1	He	2.628223	2.2	28039.690
Fe	56	1	He	80.684504	1.0	1025229.647
Co	59	1	He	0.030781	8.5	708.017
Ni	60	1	He	0.005606	187.2	836.020
Cu	63	1	He	1.319434	0.8	16840.573
Zn	66	1	He	22.647300	1.4	58740.933
As	75	1	He	0.004649	179.0	260.833
Se	78	2	H2	0.037146	17.8	56.333
Sr	88	1	He	1.580369	1.2	29317.900
Mo	95	1	He	0.123305	15.8	988.370
Pd	105	1	He	0.003101	47.6	70.000
Ag	107	1	He	0.066963	5.8	2420.190
Cd	111	1	He	0.008221	62.4	39.703
Sn	118	1	He	0.296641	9.4	3637.100
Sb	121	1	He	0.048457	2.6	830.030
Ba	138	1	He	1.775260	1.2	67579.397
Pt	195	1	He	0.006543	52.0	180.003
Hg	202	1	He	0.005333	83.2	113.333
Tl	205	1	He	0.002935	22.2	891.703
Pb	206	1	He	0.117660	3.5	2156.837
Pb	207	1	He	0.116817	9.1	2651.910
Pb	208	1	He	0.116490	0.2	9294.410
Bi	209	1	He	0.333399	1.4	19692.427
Th	232	1	He	0.004124	9.7	378.343
U	238	1	He	0.003365	14.3	356.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	89.55093372	979353.190
Sc	45	2	H2	90.59534931	6071855.833
Ge	72	1	He	88.42106191	598735.667
Ge	72	2	H2	91.27816588	1655652.207
In	115	1	He	91.38500147	6661412.330
Tb	159	1	He	94.04994069	15228772.690
Ir	193	1	He	94.16019904	7360711.763

Sample Name	4322833_B70209Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	126SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:43:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	23.640465	3.5	17368.320
Be	9	2	H2	23.307895	4.1	14557.790
B	11	2	H2	65.966153	4.7	46100.920
Na	23	1	He	10139.40111	1.4	18420379.727
Mg	24	1	He	1173.664931	1.5	1186648.993
Al	27	1	He	660.108331	0.6	360711.173
Si	28	2	H2	1271.778418	7.0	5409150.000
K	39	1	He	3142.169749	0.8	4840859.200
Ca	43	1	He	2568.516942	1.5	11853.727
Ca	44	1	He	2630.899602	0.8	203331.510
Ti	47	1	He	23.879135	1.7	11823.917
V	51	1	He	23.778382	1.7	276815.683
Cr	52	1	He	24.033790	0.7	337008.967
Mn	55	1	He	37.190594	1.1	394245.187
Fe	56	1	He	857.646574	1.2	10993304.000
Co	59	1	He	24.507071	0.7	497386.530
Ni	60	1	He	24.924398	0.6	124616.663
Cu	63	1	He	31.423517	0.1	402519.627
Zn	66	1	He	141.101123	0.2	372467.790
As	75	1	He	22.792109	0.1	49512.287
Se	78	2	H2	22.405823	1.9	24137.333
Sr	88	1	He	30.379572	0.5	558183.493
Mo	95	1	He	24.037275	1.2	192265.127
Pd	105	1	He	2.765764	2.3	32454.497
Ag	107	1	He	10.465001	3.8	245357.430
Cd	111	1	He	22.641476	1.0	100695.763
Sn	118	1	He	17.626361	0.8	205971.803
Sb	121	1	He	21.572411	1.0	328745.023
Ba	138	1	He	32.622753	1.4	1257219.253
Pt	195	1	He	4.338624	0.4	62303.717
Hg	202	1	He	0.024010	30.2	250.010
Tl	205	1	He	22.742115	2.0	1192225.113
Pb	206	1	He	23.883165	1.7	425068.353
Pb	207	1	He	23.936982	1.8	356596.570
Pb	208	1	He	23.752446	1.3	1668155.273
Bi	209	1	He	25.836093	1.1	1428228.783
Th	232	1	He	4.080656	7.8	325480.067
U	238	1	He	21.336790	1.9	1740263.207

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.63092748	1002100.563
Sc	45	2	H2	91.70400489	6146159.833
Ge	72	1	He	90.25907619	611181.623
Ge	72	2	H2	91.70845605	1663457.040
In	115	1	He	91.14234214	6643723.937
Tb	159	1	He	95.40591858	15448335.603
Ir	193	1	He	95.68604744	7479990.720

Sample Name	4322834_B70209Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	127SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:47:32
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	21.119119	4.9	15543.567
Be	9	2	H2	20.803346	4.1	13008.990
B	11	2	H2	58.700326	2.7	41373.013
Na	23	1	He	9232.740128	1.2	16718018.083
Mg	24	1	He	1051.847663	0.7	1060244.230
Al	27	1	He	579.988438	0.7	315883.800
Si	28	2	H2	1096.189574	4.1	4666927.167
K	39	1	He	2842.272810	1.3	4375530.143
Ca	43	1	He	2334.045227	1.0	10736.213
Ca	44	1	He	2375.411275	1.1	182983.917
Ti	47	1	He	23.283555	6.0	11488.093
V	51	1	He	21.323617	1.7	247220.683
Cr	52	1	He	21.644355	0.5	302520.893
Mn	55	1	He	33.480697	0.7	353802.810
Fe	56	1	He	765.013443	0.9	9774584.000
Co	59	1	He	21.866109	0.7	442555.353
Ni	60	1	He	22.305883	0.8	111298.600
Cu	63	1	He	28.295409	1.1	361443.957
Zn	66	1	He	127.727734	0.6	336237.260
As	75	1	He	20.544302	1.2	44526.400
Se	78	2	H2	20.001846	1.0	21743.920
Sr	88	1	He	27.192817	0.4	503289.300
Mo	95	1	He	21.599148	1.3	172273.363
Pd	105	1	He	2.064977	0.4	24417.747
Ag	107	1	He	9.564138	3.7	225930.463
Cd	111	1	He	19.866140	1.6	88996.813
Sn	118	1	He	16.004391	2.0	188394.450
Sb	121	1	He	19.065302	1.3	292652.577
Ba	138	1	He	28.786051	0.7	1111532.977
Pt	195	1	He	3.798567	1.7	54659.483
Hg	202	1	He	0.061653	9.3	523.353
Tl	205	1	He	20.472455	0.7	1075444.123
Pb	206	1	He	21.332258	1.9	380385.957
Pb	207	1	He	21.139989	1.4	315635.263
Pb	208	1	He	21.113421	1.2	1485787.903
Bi	209	1	He	22.562327	0.9	1249915.660
Th	232	1	He	3.845865	8.1	305590.703
U	238	1	He	19.241373	0.3	1564207.630

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.31965438	998696.397
Sc	45	2	H2	91.82987205	6154595.667
Ge	72	1	He	90.00637222	609470.460
Ge	72	2	H2	92.53850526	1678512.917
In	115	1	He	91.80736642	6692200.173
Tb	159	1	He	95.59487507	15478931.853
Ir	193	1	He	95.36422062	7454832.803

Sample Name	92603477005_B70209Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	128SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:51:07
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.220184	3.2	959.360
Be	9	2	H2	0.020123	21.1	18.500
B	11	2	H2	203.937189	4.8	137064.447
Na	23	1	He	43903.65024	0.8	79442880.483
Mg	24	1	He	2032.429747	0.5	2045763.357
Al	27	1	He	71.765430	2.4	39294.360
Si	28	2	H2	4472.085792	5.9	19051599.333
K	39	1	He	10157.85569	0.9	15324534.770
Ca	43	1	He	7993.743050	1.1	36748.327
Ca	44	1	He	8213.571420	0.7	632321.773
Ti	47	1	He	2.081263	61.5	1031.927
V	51	1	He	0.383355	42.8	2808.710
Cr	52	1	He	0.544207	3.6	8123.833
Mn	55	1	He	43.114877	0.4	455393.447
Fe	56	1	He	83.275508	1.4	1078653.667
Co	59	1	He	0.366320	1.5	7505.587
Ni	60	1	He	1.127043	3.3	6399.827
Cu	63	1	He	2.020048	1.2	26066.187
Zn	66	1	He	78.362827	1.1	206227.990
As	75	1	He	0.142226	2.1	561.677
Se	78	2	H2	0.111991	5.7	139.000
Sr	88	1	He	31.391889	0.8	575957.010
Mo	95	1	He	0.688775	3.9	5512.583
Pd	105	1	He	0.002550	83.4	63.333
Ag	107	1	He	0.142011	12.8	4160.550
Cd	111	1	He	0.000824	209.9	6.680
Sn	118	1	He	0.443500	7.1	5334.220
Sb	121	1	He	0.368654	3.2	5697.680
Ba	138	1	He	11.304710	1.0	434387.523
Pt	195	1	He	0.009675	67.2	226.677
Hg	202	1	He	0.008415	20.9	136.667
Tl	205	1	He	0.034665	30.5	2556.900
Pb	206	1	He	0.182902	18.5	3338.233
Pb	207	1	He	0.152694	7.4	3213.687
Pb	208	1	He	0.157879	5.7	12294.680
Bi	209	1	He	0.215780	3.4	13439.280
Th	232	1	He	0.006914	17.5	598.353
U	238	1	He	0.004028	15.8	410.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.32603956	998766.227
Sc	45	2	H2	91.97245270	6164151.667
Ge	72	1	He	89.95052422	609092.290
Ge	72	2	H2	92.96797545	1686302.877
In	115	1	He	91.01565117	6634488.933
Tb	159	1	He	95.10830908	15400146.020
Ir	193	1	He	94.30602292	7372111.140

Sample Name	92603492004_B70209Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	129SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:54:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.356405	13.0	330.333
Be	9	2	H2	0.017269	28.0	17.000
B	11	2	H2	39.468485	5.6	29256.710
Na	23	1	He	11928.60007	1.3	21848996.343
Mg	24	1	He	709.242290	0.3	724447.747
Al	27	1	He	207.633292	1.4	114564.317
Si	28	2	H2	1094.923086	5.3	4743411.833
K	39	1	He	2639.147165	1.0	4119556.397
Ca	43	1	He	2382.824773	1.5	11089.057
Ca	44	1	He	2408.197728	1.8	187678.157
Ti	47	1	He	2.655611	18.4	1329.450
V	51	1	He	0.366435	29.8	2636.803
Cr	52	1	He	0.640181	3.2	9573.210
Mn	55	1	He	15.455411	0.9	165731.007
Fe	56	1	He	307.390807	1.2	3983570.917
Co	59	1	He	0.139692	1.1	2952.917
Ni	60	1	He	0.579684	3.5	3730.403
Cu	63	1	He	11.707975	1.3	151185.033
Zn	66	1	He	66.636434	1.2	177214.863
As	75	1	He	0.092997	7.9	460.343
Se	78	2	H2	0.121438	3.4	151.000
Sr	88	1	He	9.675354	0.4	182137.777
Mo	95	1	He	0.603845	3.6	4885.727
Pd	105	1	He	0.000758	168.5	43.333
Ag	107	1	He	0.101157	5.5	3288.677
Cd	111	1	He	0.045499	12.4	210.200
Sn	118	1	He	1.134568	3.4	13728.927
Sb	121	1	He	0.199104	0.8	3197.000
Ba	138	1	He	8.525613	1.5	334404.537
Pt	195	1	He	0.004777	68.8	160.003
Hg	202	1	He	0.013885	24.1	180.003
Tl	205	1	He	0.011807	39.2	1393.410
Pb	206	1	He	0.510348	4.6	9332.797
Pb	207	1	He	0.525740	3.0	8919.233
Pb	208	1	He	0.513668	3.5	37945.907
Bi	209	1	He	1.984000	1.8	113057.603
Th	232	1	He	0.004047	9.8	381.677
U	238	1	He	0.029089	6.2	2480.223

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.39692783	1010477.750
Sc	45	2	H2	93.43712970	6262316.833
Ge	72	1	He	90.87663549	615363.373
Ge	72	2	H2	93.99799469	1704985.917
In	115	1	He	93.30622881	6801458.150
Tb	159	1	He	97.07905751	15719253.930
Ir	193	1	He	96.52714176	7545740.930

Sample Name	92603492005_B70209Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	130SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:58:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.657016	3.9	4221.143
Be	9	2	H2	0.014751	20.4	15.167
B	11	2	H2	235.973223	5.8	158345.233
Na	23	1	He	77910.84836	1.1	142598654.540
Mg	24	1	He	14593.46623	0.3	14839586.447
Al	27	1	He	97.339525	2.9	53824.853
Si	28	2	H2	5339.258814	8.1	22776978.667
K	39	1	He	16384.26263	0.5	24929586.297
Ca	43	1	He	15233.57389	0.8	70836.033
Ca	44	1	He	15483.96125	1.1	1205690.037
Ti	47	1	He	2.714113	13.0	1356.753
V	51	1	He	1.688495	3.3	18258.883
Cr	52	1	He	2.251160	1.2	32311.350
Mn	55	1	He	33.200177	0.7	354956.843
Fe	56	1	He	248.712209	0.6	3226081.000
Co	59	1	He	0.584836	2.5	11930.640
Ni	60	1	He	3.963179	1.1	20452.250
Cu	63	1	He	13.785749	1.1	176267.440
Zn	66	1	He	159.221969	0.6	419121.363
As	75	1	He	1.301454	0.9	3060.267
Se	78	2	H2	0.353097	7.8	404.010
Sr	88	1	He	55.387747	0.6	996986.963
Mo	95	1	He	2.175611	3.4	17368.710
Pd	105	1	He	0.014833	28.9	203.340
Ag	107	1	He	0.041107	7.9	1773.440
Cd	111	1	He	0.050147	5.7	221.453
Sn	118	1	He	0.621080	3.1	7266.607
Sb	121	1	He	1.180939	2.8	17717.657
Ba	138	1	He	7.485382	0.9	287294.423
Pt	195	1	He	0.013637	15.1	283.343
Hg	202	1	He	0.015833	31.2	190.010
Tl	205	1	He	0.000532	157.7	775.027
Pb	206	1	He	0.228753	2.6	4145.580
Pb	207	1	He	0.232394	7.0	4387.317
Pb	208	1	He	0.232436	1.4	17485.487
Bi	209	1	He	1.301588	1.5	73110.937
Th	232	1	He	0.008080	11.7	683.360
U	238	1	He	0.038366	3.8	3138.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.38955573	1010397.127
Sc	45	2	H2	92.06952323	6170657.500
Ge	72	1	He	90.01506957	609529.353
Ge	72	2	H2	93.42744126	1694636.913
In	115	1	He	89.30755743	6509979.260
Tb	159	1	He	94.97437386	15378458.937
Ir	193	1	He	93.36241465	7298347.187

Sample Name	92603407002_B70209Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	131SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:02:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.228127	2.3	238.167
Be	9	2	H2	0.007733	107.9	11.167
B	11	2	H2	9.330272	5.8	9262.470
Na	23	1	He	30813.33009	0.8	57806020.807
Mg	24	1	He	800.358113	1.6	837155.693
Al	27	1	He	18.068154	3.1	10436.000
Si	28	2	H2	647.374081	4.6	2855121.167
K	39	1	He	3470.521759	1.2	5510918.460
Ca	43	1	He	2278.566414	1.1	10865.963
Ca	44	1	He	2356.650549	2.1	188190.110
Ti	47	1	He	1.808272	98.3	933.300
V	51	1	He	-0.003223		-1768.810
Cr	52	1	He	0.659914	1.2	10095.503
Mn	55	1	He	5.705763	1.6	63271.203
Fe	56	1	He	347.898154	0.8	4617570.833
Co	59	1	He	0.038588	8.1	904.693
Ni	60	1	He	0.368886	3.0	2728.883
Cu	63	1	He	10.763969	0.8	141763.510
Zn	66	1	He	95.730751	0.5	259518.347
As	75	1	He	0.048295	15.6	370.167
Se	78	2	H2	0.106570	21.6	136.333
Sr	88	1	He	11.285728	0.6	213789.010
Mo	95	1	He	0.156131	7.7	1305.067
Pd	105	1	He	0.004599	65.2	90.000
Ag	107	1	He	0.138019	3.0	4197.227
Cd	111	1	He	0.007962	47.4	39.610
Sn	118	1	He	0.686822	3.1	8432.177
Sb	121	1	He	0.028842	10.7	545.017
Ba	138	1	He	8.550097	1.1	335986.467
Pt	195	1	He	0.015678	19.0	320.013
Hg	202	1	He	0.011576	70.3	163.337
Tl	205	1	He	-0.004562		521.680
Pb	206	1	He	0.493828	1.0	9052.623
Pb	207	1	He	0.470746	4.1	8102.120
Pb	208	1	He	0.475404	1.8	35283.457
Bi	209	1	He	0.155217	8.8	10336.930
Th	232	1	He	0.002270	16.5	236.667
U	238	1	He	0.002195	10.2	266.673

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.67551916	1035397.040
Sc	45	2	H2	94.93145132	6362468.833
Ge	72	1	He	92.66729383	627488.663
Ge	72	2	H2	95.33156435	1729174.917
In	115	1	He	93.90999074	6845468.733
Tb	159	1	He	97.25059568	15747029.767
Ir	193	1	He	95.61767012	7474645.513

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	132_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:05:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	80.842042	5.5	59563.667
Be	9	2	H2	80.706962	5.3	50663.873
B	11	2	H2	79.178641	3.9	55051.703
Na	23	1	He	2073.150530	1.0	3764571.507
Mg	24	1	He	2061.146189	0.9	2073230.233
Al	27	1	He	2004.203640	1.0	1090341.003
Si	28	2	H2	1002.324118	5.5	4286149.000
K	39	1	He	2050.571828	0.9	3188983.913
Ca	43	1	He	2040.561160	0.6	9382.270
Ca	44	1	He	1999.827380	0.3	153988.993
Ti	47	1	He	77.440124	0.7	38187.827
V	51	1	He	82.540486	0.8	961213.183
Cr	52	1	He	83.079595	0.8	1158997.210
Mn	55	1	He	83.890535	0.7	884655.353
Fe	56	1	He	1046.439708	0.8	13356795.000
Co	59	1	He	83.846078	0.8	1725945.210
Ni	60	1	He	84.294225	0.2	425523.303
Cu	63	1	He	85.943501	0.2	1116174.083
Zn	66	1	He	81.621561	0.3	218645.560
As	75	1	He	79.016335	0.3	173471.967
Se	78	2	H2	78.232161	2.0	84948.537
Sr	88	1	He	76.617905	0.8	1408888.363
Mo	95	1	He	81.877759	0.6	664277.490
Pd	105	1	He	80.526146	0.7	945044.727
Ag	107	1	He	40.705014	3.4	952871.157
Cd	111	1	He	79.656292	1.1	354633.200
Sn	118	1	He	78.707849	0.7	920151.833
Sb	121	1	He	75.837332	0.5	1156665.633
Ba	138	1	He	79.791554	0.9	3064953.393
Pt	195	1	He	80.572509	0.4	1151753.160
Hg	202	1	He	3.559497	0.9	25734.337
Tl	205	1	He	40.073177	0.6	2093507.727
Pb	206	1	He	81.031526	0.3	1437367.737
Pb	207	1	He	85.300353	0.5	1264268.130
Pb	208	1	He	82.634810	0.2	5781873.840
Bi	209	1	He	84.800884	1.7	4669125.033
Th	232	1	He	78.187720	0.3	6210617.407
U	238	1	He	76.558541	0.3	6220212.823

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.26637784	998113.750
Sc	45	2	H2	92.20673000	6179853.333
Ge	72	1	He	91.55490981	619956.250
Ge	72	2	H2	92.48735266	1677585.083
In	115	1	He	91.23844350	6650729.143
Tb	159	1	He	95.09979933	15398768.103
Ir	193	1	He	95.31336074	7450856.973

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	133_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:09:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.034412	29.7	91.667
Be	9	2	H2	0.020035	21.5	19.167
B	11	2	H2	0.116483	68.1	3006.973
Na	23	1	He	4.113073	5.5	24397.830
Mg	24	1	He	-2.385021		913.370
Al	27	1	He	0.308973	34.8	410.340
Si	28	2	H2	0.397327	45.6	13860.610
K	39	1	He	6.909890	3.8	135103.933
Ca	43	1	He	0.606270	106.7	12.920
Ca	44	1	He	0.942155	118.2	250.363
Ti	47	1	He	0.005757	118.9	6.000
V	51	1	He	0.057349	80.2	-1014.620
Cr	52	1	He	-0.001921		514.010
Mn	55	1	He	-0.063105		228.000
Fe	56	1	He	-0.063917		15743.537
Co	59	1	He	0.002306	74.9	147.333
Ni	60	1	He	-0.121352		226.667
Cu	63	1	He	0.008591	54.0	418.673
Zn	66	1	He	0.008291	133.1	239.333
As	75	1	He	-0.003712		252.333
Se	78	2	H2	0.012824	68.0	31.667
Sr	88	1	He	0.003519	18.8	290.007
Mo	95	1	He	0.007834	29.8	86.667
Pd	105	1	He	0.008629	1.0	140.003
Ag	107	1	He	0.226478	10.3	6387.903
Cd	111	1	He	0.006168	62.1	31.640
Sn	118	1	He	0.030839	22.3	545.013
Sb	121	1	He	0.006206	44.9	191.667
Ba	138	1	He	0.013655	12.7	688.357
Pt	195	1	He	0.005248	46.1	166.673
Hg	202	1	He	0.022636	27.3	243.340
Tl	205	1	He	0.037748	20.0	2766.930
Pb	206	1	He	0.007657	42.7	233.340
Pb	207	1	He	-0.001041		951.703
Pb	208	1	He	0.004863	27.9	1616.720
Bi	209	1	He	0.004780	23.0	1856.820
Th	232	1	He	0.010490	8.9	916.703
U	238	1	He	0.004819	27.0	495.013

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.11332840	1018312.500
Sc	45	2	H2	95.07645656	6372187.333
Ge	72	1	He	91.76494126	621378.460
Ge	72	2	H2	95.52943957	1732764.083
In	115	1	He	94.79382839	6909895.137
Tb	159	1	He	96.73827145	15664073.103
Ir	193	1	He	98.44673618	7695799.887

Sample Name	4322600_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	134SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:12:47
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.045622	14.0	98.833
Be	9	2	H2	0.014501	3.1	15.333
B	11	2	H2	0.055161	1123.6	2936.963
Na	23	1	He	3.915244	3.2	23525.037
Mg	24	1	He	0.614092	6.9	3902.123
Al	27	1	He	1.637400	8.4	1123.370
Si	28	2	H2	0.644380	41.6	14760.947
K	39	1	He	7.930304	12.9	133764.433
Ca	43	1	He	0.630915	61.6	12.760
Ca	44	1	He	1.325249	25.7	274.523
Ti	47	1	He	0.019563	47.9	12.667
V	51	1	He	-0.039146		-2120.540
Cr	52	1	He	0.050861	11.8	1238.047
Mn	55	1	He	-0.057066		286.667
Fe	56	1	He	0.727026	5.3	25483.253
Co	59	1	He	-0.000850		80.000
Ni	60	1	He	-0.115977		247.333
Cu	63	1	He	0.031357	7.5	696.687
Zn	66	1	He	0.051224	25.8	345.337
As	75	1	He	0.005546	93.5	265.667
Se	78	2	H2	0.005649	140.3	23.333
Sr	88	1	He	0.001042	275.7	238.337
Mo	95	1	He	0.002636	82.5	43.333
Pd	105	1	He	0.005793	71.9	103.337
Ag	107	1	He	0.088200	6.7	2970.287
Cd	111	1	He	0.001521	73.0	9.987
Sn	118	1	He	1.042761	4.4	12593.053
Sb	121	1	He	0.003877	40.1	151.667
Ba	138	1	He	0.004833	18.5	341.677
Pt	195	1	He	0.003471	41.9	140.000
Hg	202	1	He	0.007726	26.8	133.333
Tl	205	1	He	0.004819	70.6	1011.710
Pb	206	1	He	0.005317	27.9	190.000
Pb	207	1	He	0.001630	364.5	986.710
Pb	208	1	He	0.004784	35.1	1601.720
Bi	209	1	He	0.002501	9.4	1720.140
Th	232	1	He	0.005095	22.6	465.013
U	238	1	He	0.000264	22.0	110.000

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.14345750	996769.460
Sc	45	2	H2	93.84311254	6289526.500
Ge	72	1	He	89.39994404	605364.083
Ge	72	2	H2	94.26886607	1709899.127
In	115	1	He	93.02471887	6780937.783
Tb	159	1	He	96.22937218	15581671.017
Ir	193	1	He	96.31285528	7528989.680

Sample Name	4322601_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	135SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:16:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	55.032711	6.2	39898.187
Be	9	2	H2	54.483726	5.4	33637.087
B	11	2	H2	52.596259	6.5	36907.113
Na	23	1	He	1118.129500	4.7	1964408.253
Mg	24	1	He	1105.356760	3.8	1073424.540
Al	27	1	He	1078.617694	3.1	565945.040
Si	28	2	H2	272.973618	5.6	1156344.127
K	39	1	He	1102.496167	4.4	1707335.237
Ca	43	1	He	1075.127151	5.6	4768.370
Ca	44	1	He	1086.133450	2.5	80734.427
Ti	47	1	He	50.983968	3.1	24244.790
V	51	1	He	55.177445	3.6	618992.737
Cr	52	1	He	56.370449	3.4	758414.147
Mn	55	1	He	55.416752	3.5	563757.687
Fe	56	1	He	1120.572534	4.1	13787400.333
Co	59	1	He	57.249468	3.5	1128855.417
Ni	60	1	He	56.887354	2.6	275403.803
Cu	63	1	He	57.158461	3.5	711161.230
Zn	66	1	He	54.044344	3.5	138745.360
As	75	1	He	52.632017	3.6	110762.043
Se	78	2	H2	51.023135	1.1	55209.570
Sr	88	1	He	51.948360	2.8	926198.840
Mo	95	1	He	55.301138	3.1	429801.790
Pd	105	1	He	10.677189	2.3	121544.290
Ag	107	1	He	26.872619	2.4	610795.070
Cd	111	1	He	52.731480	1.3	227682.370
Sn	118	1	He	52.767498	2.9	598124.273
Sb	121	1	He	50.304117	1.9	744017.280
Ba	138	1	He	52.831264	2.6	1991487.003
Pt	195	1	He	10.627190	2.2	149160.190
Hg	202	1	He	3.794491	1.6	26933.070
Tl	205	1	He	54.379536	2.6	2787550.480
Pb	206	1	He	54.883815	1.4	955643.087
Pb	207	1	He	55.017115	1.9	800645.773
Pb	208	1	He	54.709330	2.5	3756914.977
Bi	209	1	He	54.859645	3.4	2964273.707
Th	232	1	He	53.323457	3.7	4146101.187
U	238	1	He	50.978232	3.6	4054346.400

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.07655809	963229.020
Sc	45	2	H2	90.70106878	6078941.333
Ge	72	1	He	87.78745132	594445.227
Ge	72	2	H2	92.14977247	1671461.873
In	115	1	He	88.51130966	6451937.627
Tb	159	1	He	93.37683706	15119782.273
Ir	193	1	He	93.35759887	7297970.727

Sample Name	10607968001_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	136SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:19:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.462417	3.6	4786.940
Be	9	2	H2	0.424863	3.8	270.667
B	11	2	H2	8.496982	5.3	8385.403
Na	23	1	He	667.504913	0.6	1188645.503
Mg	24	1	He	7517.814317	1.1	7339352.183
Al	27	1	He	5885.801589	1.0	3110950.833
Si	28	2	H2	724.622017	3.7	3079810.083
K	39	1	He	1202.312757	0.6	1865935.493
Ca	43	1	He	11566.87398	1.0	51631.100
Ca	44	1	He	11835.88989	0.9	884732.280
Ti	47	1	He	155.643813	2.0	74574.760
V	51	1	He	28.498714	1.5	321422.373
Cr	52	1	He	13.842061	1.0	188064.327
Mn	55	1	He	379.194256	0.9	3882475.083
Fe	56	1	He	13638.73744	1.2	168966714.667
Co	59	1	He	7.620048	0.6	150540.690
Ni	60	1	He	24.267374	1.3	118081.990
Cu	63	1	He	14.198475	1.5	177126.063
Zn	66	1	He	50.050504	1.0	128683.183
As	75	1	He	3.694182	1.2	8016.467
Se	78	2	H2	0.355036	5.2	399.343
Sr	88	1	He	16.390935	1.7	291896.280
Mo	95	1	He	0.408094	5.2	3196.993
Pd	105	1	He	0.047019	17.0	566.690
Ag	107	1	He	0.332415	17.0	8343.797
Cd	111	1	He	0.131378	8.3	569.053
Sn	118	1	He	1.299771	2.5	14863.210
Sb	121	1	He	0.127126	4.1	1963.470
Ba	138	1	He	106.835604	2.3	4060651.397
Pt	195	1	He	0.007668	49.1	196.673
Hg	202	1	He	0.056667	13.3	480.020
Tl	205	1	He	0.234830	2.1	12876.923
Pb	206	1	He	7.534504	2.3	132328.303
Pb	207	1	He	7.026321	2.3	103910.160
Pb	208	1	He	7.233143	2.5	501893.860
Bi	209	1	He	0.126581	1.0	8442.433
Th	232	1	He	4.194565	3.0	325713.947
U	238	1	He	0.762991	3.0	60675.670

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.68064675	969835.497
Sc	45	2	H2	91.56903371	6137113.833
Ge	72	1	He	87.81792944	594651.607
Ge	72	2	H2	91.83843274	1665814.627
In	115	1	He	88.30615839	6436983.343
Tb	159	1	He	94.11925896	15239996.857
Ir	193	1	He	93.16955781	7283271.140

Sample Name	4323797_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	137SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:23:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	95.668538	4.8	69888.373
Be	9	2	H2	89.652024	4.6	55811.653
B	11	2	H2	95.174453	6.7	65090.860
Na	23	1	He	3017.073082	3.9	5300313.673
Mg	24	1	He	10206.76076	3.7	9933865.897
Al	27	1	He	8437.583044	3.8	4446367.667
Si	28	2	H2	1898.413904	5.4	8044283.500
K	39	1	He	3567.217672	3.4	5287745.340
Ca	43	1	He	14599.45960	3.5	64976.937
Ca	44	1	He	14940.90526	3.6	1113534.260
Ti	47	1	He	255.393018	4.0	122010.697
V	51	1	He	124.340465	4.3	1403445.703
Cr	52	1	He	109.295129	4.1	1476875.917
Mn	55	1	He	493.392298	3.5	5036897.667
Fe	56	1	He	15613.46096	3.5	192868117.333
Co	59	1	He	103.453985	4.1	2028716.497
Ni	60	1	He	121.478219	3.5	583924.000
Cu	63	1	He	110.175152	3.5	1363268.043
Zn	66	1	He	144.942805	3.2	369810.303
As	75	1	He	94.477085	3.5	197572.847
Se	78	2	H2	87.187477	0.9	94331.293
Sr	88	1	He	106.663589	3.8	1863513.513
Mo	95	1	He	95.146741	3.1	735549.367
Pd	105	1	He	90.416512	2.7	1008481.857
Ag	107	1	He	47.061010	1.1	1047512.693
Cd	111	1	He	90.722522	2.9	383841.423
Sn	118	1	He	92.692780	3.3	1029726.183
Sb	121	1	He	88.838163	2.8	1287712.407
Ba	138	1	He	204.777929	3.3	7681849.470
Pt	195	1	He	90.850093	2.7	1268507.613
Hg	202	1	He	0.032164	26.4	300.010
Tl	205	1	He	46.909467	1.9	2394114.077
Pb	206	1	He	100.756135	2.6	1745774.350
Pb	207	1	He	100.689654	1.7	1457906.123
Pb	208	1	He	100.607791	2.8	6875510.837
Bi	209	1	He	93.317055	4.1	5016979.300
Th	232	1	He	95.029632	3.3	7285739.060
U	238	1	He	91.541760	3.2	7179008.433

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.50713024	967937.873
Sc	45	2	H2	91.43950853	6128432.833
Ge	72	1	He	87.32094417	591286.313
Ge	72	2	H2	92.15312427	1671522.670
In	115	1	He	86.77445376	6325331.367
Tb	159	1	He	92.95173836	15050949.360
Ir	193	1	He	92.07136824	7197423.223

Sample Name	4323798_B70201Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	138SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:27:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.231200	4.6	978.193
Be	9	2	H2	0.103535	13.9	71.667
B	11	2	H2	1.540569	26.0	3893.810
Na	23	1	He	130.820798	0.6	253642.157
Mg	24	1	He	1466.157540	0.4	1479516.383
Al	27	1	He	1137.727946	0.4	620675.480
Si	28	2	H2	132.493448	4.3	581834.147
K	39	1	He	242.621430	0.7	486230.437
Ca	43	1	He	2244.131457	0.8	10343.483
Ca	44	1	He	2319.416778	1.9	179016.927
Ti	47	1	He	29.348551	1.3	14511.137
V	51	1	He	5.564149	1.3	63406.233
Cr	52	1	He	2.707217	0.3	38379.737
Mn	55	1	He	73.913628	0.1	781574.500
Fe	56	1	He	2662.212423	0.6	34042620.000
Co	59	1	He	1.491792	1.8	30686.707
Ni	60	1	He	4.606196	0.7	23948.567
Cu	63	1	He	2.728084	1.1	35583.707
Zn	66	1	He	9.810554	0.7	26364.683
As	75	1	He	0.711347	0.8	1811.923
Se	78	2	H2	0.076410	13.3	101.333
Sr	88	1	He	3.145866	1.1	58916.627
Mo	95	1	He	0.093507	2.2	778.357
Pd	105	1	He	0.017018	19.8	236.677
Ag	107	1	He	0.208887	13.9	5821.060
Cd	111	1	He	0.034334	10.4	158.100
Sn	118	1	He	0.342793	3.3	4233.907
Sb	121	1	He	0.028901	27.0	538.350
Ba	138	1	He	20.717227	1.1	803830.923
Pt	195	1	He	0.007662	51.6	200.007
Hg	202	1	He	0.006849	95.2	126.667
Tl	205	1	He	0.090605	12.7	5531.017
Pb	206	1	He	1.484872	1.3	26692.273
Pb	207	1	He	1.391024	1.6	21768.253
Pb	208	1	He	1.416372	1.6	101329.440
Bi	209	1	He	0.029238	5.5	3203.723
Th	232	1	He	0.783242	1.4	62746.437
U	238	1	He	0.146814	1.1	12108.127

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.50132205	1000683.163
Sc	45	2	H2	93.03061470	6235071.500
Ge	72	1	He	91.19032523	617487.497
Ge	72	2	H2	94.14596235	1707669.833
In	115	1	He	92.59833447	6749856.947
Tb	159	1	He	96.04318710	15551523.520
Ir	193	1	He	96.04572342	7508107.390

Sample Name	4322602_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	139SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:30:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	58.472812	4.5	43578.003
Be	9	2	H2	51.673996	3.6	32796.280
B	11	2	H2	57.040403	5.8	40918.533
Na	23	1	He	1714.897132	0.6	3129478.183
Mg	24	1	He	8467.647058	0.8	8541379.040
Al	27	1	He	9609.397309	0.4	5248035.000
Si	28	2	H2	949.296240	3.0	4103130.583
K	39	1	He	2355.984449	0.5	3660497.550
Ca	43	1	He	12023.47033	0.4	55455.617
Ca	44	1	He	12300.82736	0.2	950111.610
Ti	47	1	He	222.863785	1.2	110340.257
V	51	1	He	93.644180	0.4	1095175.173
Cr	52	1	He	70.479835	0.4	987284.520
Mn	55	1	He	427.819336	0.3	4526085.500
Fe	56	1	He	16334.82241	0.5	209102736.000
Co	59	1	He	61.840531	0.7	1252320.247
Ni	60	1	He	78.089434	0.5	387857.803
Cu	63	1	He	67.324678	1.0	860199.583
Zn	66	1	He	100.326950	0.8	264336.460
As	75	1	He	54.204223	0.8	117144.770
Se	78	2	H2	49.296746	0.3	54088.423
Sr	88	1	He	70.096758	1.1	1256609.227
Mo	95	1	He	50.844550	1.2	405784.277
Pd	105	1	He	9.451680	2.9	108162.813
Ag	107	1	He	26.376193	2.7	602187.843
Cd	111	1	He	51.661357	1.1	224214.723
Sn	118	1	He	51.856454	0.8	591062.060
Sb	121	1	He	25.154810	0.4	374076.673
Ba	138	1	He	177.359709	0.5	6776453.647
Pt	195	1	He	10.417584	1.6	148201.687
Hg	202	1	He	3.873119	3.1	27844.587
Tl	205	1	He	53.274297	0.4	2768164.960
Pb	206	1	He	61.071140	0.3	1077582.793
Pb	207	1	He	61.073398	0.8	900645.453
Pb	208	1	He	60.898399	0.4	4238740.710
Bi	209	1	He	52.969704	0.5	2901743.810
Th	232	1	He	55.910914	0.8	4397474.620
U	238	1	He	50.474911	0.9	4060685.773

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.63418118	1002136.147
Sc	45	2	H2	93.20300907	6246625.667
Ge	72	1	He	90.07104950	609908.417
Ge	72	2	H2	93.43517599	1694777.210
In	115	1	He	88.94593759	6483619.367
Tb	159	1	He	94.59608003	15317204.770
Ir	193	1	He	94.37630049	7377604.893

Sample Name	4322603_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	140SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:34:26
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	65.089971	4.3	49006.930
Be	9	2	H2	58.096406	4.1	37260.750
B	11	2	H2	64.669455	5.5	46484.967
Na	23	1	He	1846.281003	0.3	3442348.073
Mg	24	1	He	8416.308325	0.2	8677306.953
Al	27	1	He	10541.74365	0.9	5884163.167
Si	28	2	H2	1140.621421	3.9	4981060.000
K	39	1	He	2543.751983	0.2	4029642.750
Ca	43	1	He	11773.13451	0.6	55499.867
Ca	44	1	He	12003.23798	0.5	947619.287
Ti	47	1	He	249.840746	0.6	126430.387
V	51	1	He	102.559426	0.6	1226076.907
Cr	52	1	He	77.249587	1.0	1105988.123
Mn	55	1	He	422.788568	1.0	4571547.167
Fe	56	1	He	16968.56181	0.6	222005930.667
Co	59	1	He	66.882184	0.4	1393395.873
Ni	60	1	He	85.750255	0.3	438079.010
Cu	63	1	He	74.608336	0.4	980682.207
Zn	66	1	He	110.480791	1.5	299465.480
As	75	1	He	58.713999	0.2	130521.177
Se	78	2	H2	55.696810	0.8	61954.960
Sr	88	1	He	76.032540	0.8	1390118.730
Mo	95	1	He	55.676876	0.8	457153.367
Pd	105	1	He	10.181906	2.6	118835.377
Ag	107	1	He	28.884674	3.2	672488.183
Cd	111	1	He	56.916367	1.2	251937.610
Sn	118	1	He	56.900735	1.4	661443.573
Sb	121	1	He	27.380318	2.0	415261.893
Ba	138	1	He	190.538155	1.1	7372311.973
Pt	195	1	He	11.137941	1.1	160453.113
Hg	202	1	He	4.290650	3.7	31234.153
Tl	205	1	He	57.922090	1.2	3047796.933
Pb	206	1	He	65.304072	1.9	1166880.943
Pb	207	1	He	65.276196	1.1	974789.383
Pb	208	1	He	64.632471	0.7	4555699.147
Bi	209	1	He	58.389234	0.4	3239063.803
Th	232	1	He	61.594484	1.0	4879587.637
U	238	1	He	55.612882	1.4	4506566.390

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.65811926	1024270.480
Sc	45	2	H2	94.18283576	6312295.333
Ge	72	1	He	92.65712609	627419.813
Ge	72	2	H2	94.72994924	1718262.500
In	115	1	He	90.71600571	6612646.597
Tb	159	1	He	95.79638132	15511560.187
Ir	193	1	He	95.06267492	7431260.307

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	141_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:38:04
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	78.753633	7.2	59099.597
Be	9	2	H2	78.419272	6.4	50136.143
B	11	2	H2	75.460972	5.1	53590.397
Na	23	1	He	2038.392070	1.3	3763230.150
Mg	24	1	He	2022.084585	1.4	2067738.303
Al	27	1	He	1977.098192	1.4	1093446.833
Si	28	2	H2	978.294307	6.9	4261632.167
K	39	1	He	2028.802318	1.3	3208806.823
Ca	43	1	He	2028.649719	0.8	9482.363
Ca	44	1	He	2005.241547	1.4	156964.277
Ti	47	1	He	77.843798	0.6	39025.593
V	51	1	He	83.010348	1.3	982743.567
Cr	52	1	He	82.746712	0.5	1173603.750
Mn	55	1	He	83.816735	1.1	898549.937
Fe	56	1	He	1044.799001	1.5	13556872.667
Co	59	1	He	83.486743	0.6	1749316.580
Ni	60	1	He	83.878632	0.5	431004.657
Cu	63	1	He	85.587966	0.5	1131448.580
Zn	66	1	He	81.088786	0.8	221107.420
As	75	1	He	78.878307	0.6	176269.627
Se	78	2	H2	77.326256	2.3	85922.103
Sr	88	1	He	75.791317	0.5	1423300.707
Mo	95	1	He	81.626109	0.9	674072.310
Pd	105	1	He	79.765201	0.7	955983.373
Ag	107	1	He	40.584774	2.7	970197.590
Cd	111	1	He	79.507276	0.5	361482.173
Sn	118	1	He	78.160338	0.2	933164.177
Sb	121	1	He	75.062829	0.5	1169167.713
Ba	138	1	He	79.143421	1.2	3105040.477
Pt	195	1	He	79.102031	1.5	1154892.977
Hg	202	1	He	3.617347	0.8	26712.550
Tl	205	1	He	39.522320	1.3	2108975.230
Pb	206	1	He	80.268955	0.8	1454335.447
Pb	207	1	He	83.791739	0.8	1268527.037
Pb	208	1	He	81.281934	1.7	5808689.727
Bi	209	1	He	84.112138	2.3	4730003.367
Th	232	1	He	79.483735	0.9	6365508.863
U	238	1	He	76.544654	1.2	6270333.243

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.78681945	1014741.710
Sc	45	2	H2	93.94059835	6296060.167
Ge	72	1	He	93.19323071	631050.000
Ge	72	2	H2	94.66078710	1717008.000
In	115	1	He	93.17628649	6791986.143
Tb	159	1	He	97.14024946	15729162.263
Ir	193	1	He	96.09980803	7512335.303

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	142_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:41:41
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.051337	47.7	104.667
Be	9	2	H2	0.019567	13.0	18.833
B	11	2	H2	-0.302517		2723.597
Na	23	1	He	1.425437	3.6	19425.303
Mg	24	1	He	-2.482222		813.360
Al	27	1	He	0.437031	13.4	481.010
Si	28	2	H2	0.047505	64.1	12310.307
K	39	1	He	6.862398	14.2	134921.487
Ca	43	1	He	0.305186	348.3	11.507
Ca	44	1	He	0.626216	82.5	225.467
Ti	47	1	He	0.005826	182.8	6.000
V	51	1	He	0.064651	115.2	-925.107
Cr	52	1	He	-0.007449		434.677
Mn	55	1	He	-0.050611		362.010
Fe	56	1	He	0.187165	17.9	18993.293
Co	59	1	He	0.002815	31.7	158.000
Ni	60	1	He	-0.126975		198.667
Cu	63	1	He	0.008590	46.4	419.343
Zn	66	1	He	0.017545	54.1	264.667
As	75	1	He	-0.019555		217.833
Se	78	2	H2	0.009137	9.1	27.667
Sr	88	1	He	0.003253	112.0	283.340
Mo	95	1	He	0.009017	49.2	96.667
Pd	105	1	He	0.008388	80.9	136.670
Ag	107	1	He	0.217504	15.5	6142.830
Cd	111	1	He	0.006571	69.3	33.303
Sn	118	1	He	0.034083	15.5	581.687
Sb	121	1	He	0.003522	57.5	148.333
Ba	138	1	He	0.015807	25.0	780.030
Pt	195	1	He	0.003774	135.4	146.667
Hg	202	1	He	0.038518	16.4	363.343
Tl	205	1	He	0.044020	25.2	3130.353
Pb	206	1	He	0.011101	17.0	298.340
Pb	207	1	He	0.004921	169.0	1051.710
Pb	208	1	He	0.009701	21.6	1980.070
Bi	209	1	He	0.003638	40.2	1810.147
Th	232	1	He	0.009898	7.6	863.367
U	238	1	He	0.004664	14.2	478.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.04162906	1017528.377
Sc	45	2	H2	95.09107122	6373166.833
Ge	72	1	He	91.92763499	622480.127
Ge	72	2	H2	96.11335737	1743355.497
In	115	1	He	94.35353734	6877800.590
Tb	159	1	He	97.67249838	15815345.177
Ir	193	1	He	97.74154645	7640673.640

Sample Name	10607968002_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	143SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:45:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.216064	3.6	3993.923
Be	9	2	H2	0.381486	5.1	251.167
B	11	2	H2	6.178818	13.0	7081.497
Na	23	1	He	529.752169	8.7	936515.870
Mg	24	1	He	2974.809801	8.1	2875756.310
Al	27	1	He	5165.156709	7.6	2702323.667
Si	28	2	H2	806.997290	4.5	3533058.500
K	39	1	He	1151.713897	7.6	1774691.433
Ca	43	1	He	4141.353886	7.4	18305.950
Ca	44	1	He	4310.129450	6.9	319127.807
Ti	47	1	He	142.783804	8.9	67672.367
V	51	1	He	20.917449	7.8	233059.557
Cr	52	1	He	12.168854	7.1	163754.097
Mn	55	1	He	244.690201	7.2	2480667.417
Fe	56	1	He	12869.43747	7.8	157797312.000
Co	59	1	He	6.291363	6.9	121854.263
Ni	60	1	He	19.589654	6.6	93602.427
Cu	63	1	He	10.808777	7.2	132230.217
Zn	66	1	He	43.861971	7.1	110558.320
As	75	1	He	2.827360	8.6	6067.530
Se	78	2	H2	0.229164	5.1	269.667
Sr	88	1	He	11.842099	5.7	208206.577
Mo	95	1	He	0.171087	14.3	1321.733
Pd	105	1	He	0.037222	37.1	443.353
Ag	107	1	He	0.173278	19.7	4660.680
Cd	111	1	He	0.145255	3.9	621.290
Sn	118	1	He	1.328369	8.8	14971.700
Sb	121	1	He	0.089220	19.0	1378.403
Ba	138	1	He	82.844294	6.0	3064788.393
Pt	195	1	He	0.005481	61.6	163.340
Hg	202	1	He	0.044129	29.7	383.347
Tl	205	1	He	0.227602	5.9	12171.390
Pb	206	1	He	5.777947	5.6	98806.013
Pb	207	1	He	5.553665	4.8	80172.767
Pb	208	1	He	5.631109	5.3	380694.997
Bi	209	1	He	0.120622	7.7	7898.820
Th	232	1	He	3.686579	6.6	281381.980
U	238	1	He	0.593399	7.0	46395.513

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.12823080	963794.127
Sc	45	2	H2	94.39376490	6326432.167
Ge	72	1	He	86.39008598	584983.087
Ge	72	2	H2	93.89430899	1703105.210
In	115	1	He	87.39646240	6370672.023
Tb	159	1	He	91.81919081	14867564.777
Ir	193	1	He	91.85573324	7180566.557

Sample Name	10607968003_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	144SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:48:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.535530	5.6	2745.700
Be	9	2	H2	0.373293	12.0	247.500
B	11	2	H2	2.449571	14.6	4590.643
Na	23	1	He	183.326052	0.3	356368.823
Mg	24	1	He	1300.790148	0.5	1341448.783
Al	27	1	He	7238.819017	0.7	4033190.167
Si	28	2	H2	831.835348	4.9	3667379.167
K	39	1	He	898.533101	0.9	1501566.643
Ca	43	1	He	1927.046406	0.8	9075.717
Ca	44	1	He	1984.373859	0.9	156507.750
Ti	47	1	He	150.693734	1.1	76113.527
V	51	1	He	19.423219	0.4	230379.953
Cr	52	1	He	12.976564	0.2	185883.677
Mn	55	1	He	70.375730	0.4	760306.227
Fe	56	1	He	6715.234825	0.8	87705736.000
Co	59	1	He	1.765586	2.8	36525.490
Ni	60	1	He	5.241393	1.4	27308.627
Cu	63	1	He	9.422344	1.3	122933.090
Zn	66	1	He	35.125269	2.6	94432.047
As	75	1	He	0.953256	2.0	2354.990
Se	78	2	H2	0.200740	18.4	241.667
Sr	88	1	He	8.806871	2.2	165474.503
Mo	95	1	He	0.101631	11.8	850.030
Pd	105	1	He	0.029989	0.9	393.343
Ag	107	1	He	0.089711	2.1	3008.623
Cd	111	1	He	0.150102	16.3	684.767
Sn	118	1	He	1.258181	2.8	15176.810
Sb	121	1	He	0.051835	5.5	898.370
Ba	138	1	He	67.398008	0.5	2653089.857
Pt	195	1	He	0.002874	87.8	133.333
Hg	202	1	He	0.039140	26.6	366.680
Tl	205	1	He	0.150599	3.0	8827.493
Pb	206	1	He	6.720784	1.9	122250.737
Pb	207	1	He	6.393832	2.2	98006.253
Pb	208	1	He	6.496069	2.2	466934.720
Bi	209	1	He	0.096067	5.6	7018.343
Th	232	1	He	4.044939	1.0	324479.890
U	238	1	He	1.096817	0.9	90067.437

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.48079281	1022331.190
Sc	45	2	H2	94.98553329	6366093.500
Ge	72	1	He	91.77744431	621463.123
Ge	72	2	H2	95.48652688	1731985.710
In	115	1	He	93.10848945	6787044.150
Tb	159	1	He	97.45819022	15780643.930
Ir	193	1	He	96.24099203	7523371.970

Sample Name	10608145001_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	145SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:52:29
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.510924	4.5	4919.477
Be	9	2	H2	0.400943	5.1	261.000
B	11	2	H2	4.823062	6.9	6101.143
Na	23	1	He	139.476648	1.3	270782.240
Mg	24	1	He	8481.151753	0.6	8588452.790
Al	27	1	He	6873.766470	0.5	3768737.833
Si	28	2	H2	1069.346734	12.9	4639238.917
K	39	1	He	857.666874	1.2	1415999.717
Ca	43	1	He	15642.76473	0.5	72428.723
Ca	44	1	He	15892.04585	0.7	1232225.417
Ti	47	1	He	209.123988	0.7	103943.220
V	51	1	He	26.797871	1.2	313429.467
Cr	52	1	He	14.762307	0.2	208021.577
Mn	55	1	He	386.069909	0.2	4100476.167
Fe	56	1	He	12485.57531	0.5	160455498.667
Co	59	1	He	6.282161	1.0	127022.717
Ni	60	1	He	15.883426	0.5	79367.393
Cu	63	1	He	12.640557	0.7	161392.470
Zn	66	1	He	49.115965	1.1	129228.277
As	75	1	He	3.785342	0.6	8399.813
Se	78	2	H2	0.206930	9.8	245.333
Sr	88	1	He	15.758856	1.1	289134.630
Mo	95	1	He	0.277671	4.6	2233.500
Pd	105	1	He	0.041598	8.8	520.020
Ag	107	1	He	0.065521	16.1	2375.187
Cd	111	1	He	0.118955	15.3	531.007
Sn	118	1	He	1.398600	1.3	16466.363
Sb	121	1	He	0.104523	9.5	1678.430
Ba	138	1	He	74.454652	0.5	2892825.687
Pt	195	1	He	0.003699	102.7	143.333
Hg	202	1	He	0.024637	17.3	256.677
Tl	205	1	He	0.156866	1.6	9042.633
Pb	206	1	He	7.681919	1.4	137915.750
Pb	207	1	He	7.072080	1.9	106897.763
Pb	208	1	He	7.283301	0.5	516608.673
Bi	209	1	He	0.098587	6.5	7068.377
Th	232	1	He	3.587077	0.7	285555.283
U	238	1	He	0.573851	0.3	46804.747

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.99218715	1006051.397
Sc	45	2	H2	93.39989053	6259821.000
Ge	72	1	He	89.86407010	608506.873
Ge	72	2	H2	93.99291361	1704893.753
In	115	1	He	90.98104052	6631966.027
Tb	159	1	He	96.19263130	15575721.853
Ir	193	1	He	95.50453049	7465801.137

Sample Name	10608145002_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	146SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:56:08
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.727983	4.5	4517.377
Be	9	2	H2	0.507665	3.5	342.667
B	11	2	H2	3.080170	23.2	5150.837
Na	23	1	He	87.532667	0.3	180211.547
Mg	24	1	He	2390.161367	0.2	2479060.847
Al	27	1	He	9612.408937	0.2	5392566.167
Si	28	2	H2	835.781426	2.9	3770113.167
K	39	1	He	710.644221	2.5	1222035.267
Ca	43	1	He	2555.277823	0.6	12114.593
Ca	44	1	He	2623.208924	0.7	208272.987
Ti	47	1	He	198.334885	1.1	100870.987
V	51	1	He	31.541616	0.2	377772.240
Cr	52	1	He	16.740268	0.3	241295.140
Mn	55	1	He	263.368882	0.3	2862478.833
Fe	56	1	He	15927.75139	0.4	209435440.000
Co	59	1	He	6.120109	0.8	126305.847
Ni	60	1	He	11.023723	0.4	56480.687
Cu	63	1	He	15.665717	0.8	204092.190
Zn	66	1	He	52.952269	0.6	142189.863
As	75	1	He	6.226330	0.8	13933.420
Se	78	2	H2	0.408781	2.1	482.010
Sr	88	1	He	10.198960	1.7	190904.383
Mo	95	1	He	0.247536	3.2	2035.140
Pd	105	1	He	0.050738	15.5	640.023
Ag	107	1	He	0.049953	13.1	2053.480
Cd	111	1	He	0.048533	26.5	222.727
Sn	118	1	He	1.386034	1.2	16643.167
Sb	121	1	He	0.085984	7.3	1425.070
Ba	138	1	He	73.677423	1.5	2891904.750
Pt	195	1	He	0.002708	118.9	130.000
Hg	202	1	He	0.037904	15.7	356.680
Tl	205	1	He	0.125581	3.7	7468.490
Pb	206	1	He	9.688596	0.9	175716.643
Pb	207	1	He	9.145208	0.8	139391.423
Pb	208	1	He	9.338767	0.3	668883.100
Bi	209	1	He	0.111311	5.7	7855.430
Th	232	1	He	4.060578	0.9	326703.220
U	238	1	He	0.610290	2.7	50305.710

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.12664220	1029394.373
Sc	45	2	H2	97.32196504	6522685.167
Ge	72	1	He	91.72249567	621091.043
Ge	72	2	H2	96.81895478	1756154.000
In	115	1	He	92.78554703	6763503.607
Tb	159	1	He	97.18550012	15736489.350
Ir	193	1	He	96.52396502	7545492.597

Sample Name	10608145003_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	147SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:59:47
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.923618	6.5	3730.707
Be	9	2	H2	0.284367	8.8	186.833
B	11	2	H2	4.791843	18.6	6081.110
Na	23	1	He	242.251869	2.3	458376.087
Mg	24	1	He	9878.146593	1.7	10009469.227
Al	27	1	He	4493.064948	2.1	2465172.667
Si	28	2	H2	1094.680314	12.3	4743920.750
K	39	1	He	719.002757	0.1	1207889.357
Ca	43	1	He	35460.26291	1.9	164282.940
Ca	44	1	He	35792.67749	1.9	2776916.570
Ti	47	1	He	185.474705	1.6	92249.370
V	51	1	He	21.886647	1.7	255849.020
Cr	52	1	He	10.922423	1.7	154155.173
Mn	55	1	He	314.819240	1.4	3346172.250
Fe	56	1	He	10440.31402	1.9	134264768.000
Co	59	1	He	4.379806	1.4	88027.143
Ni	60	1	He	11.440075	2.0	57030.350
Cu	63	1	He	9.563608	1.0	121410.670
Zn	66	1	He	28.091606	1.0	73535.617
As	75	1	He	2.491226	2.9	5579.373
Se	78	2	H2	0.138962	13.4	170.000
Sr	88	1	He	26.314465	1.3	482249.720
Mo	95	1	He	0.355012	7.7	2831.933
Pd	105	1	He	0.032520	31.7	413.347
Ag	107	1	He	0.047953	20.0	1965.133
Cd	111	1	He	0.125395	4.9	559.167
Sn	118	1	He	1.214751	4.6	14309.430
Sb	121	1	He	0.091512	7.5	1480.083
Ba	138	1	He	56.043406	1.3	2172256.217
Pt	195	1	He	0.002560	60.5	126.667
Hg	202	1	He	0.022439	54.9	240.007
Tl	205	1	He	0.102403	1.4	6151.257
Pb	206	1	He	4.832386	1.4	86580.717
Pb	207	1	He	4.447058	1.2	67416.443
Pb	208	1	He	4.611498	1.0	326774.480
Bi	209	1	He	0.070192	5.2	5474.387
Th	232	1	He	2.930103	1.0	232296.307
U	238	1	He	0.529604	0.9	43024.053

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.06025363	1006795.790
Sc	45	2	H2	93.26138567	6250538.167
Ge	72	1	He	89.30356782	604711.480
Ge	72	2	H2	93.82545925	1701856.377
In	115	1	He	90.90669057	6626546.367
Tb	159	1	He	95.96396180	15538695.187
Ir	193	1	He	95.11465682	7435323.847

Sample Name	10608145004_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	148SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:03:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.680540	5.9	3569.340
Be	9	2	H2	0.242633	5.7	160.833
B	11	2	H2	3.323755	17.5	5120.817
Na	23	1	He	346.591170	1.6	651156.357
Mg	24	1	He	11370.71661	1.3	11565833.580
Al	27	1	He	4112.618719	0.6	2265302.583
Si	28	2	H2	1250.955527	9.4	5442926.000
K	39	1	He	649.094235	0.8	1106670.010
Ca	43	1	He	30353.43701	0.5	141177.930
Ca	44	1	He	30728.05930	0.9	2393305.933
Ti	47	1	He	189.994317	1.4	94859.433
V	51	1	He	20.746668	1.6	243371.603
Cr	52	1	He	10.473739	0.7	148420.020
Mn	55	1	He	272.579252	0.5	2908620.750
Fe	56	1	He	9117.277894	0.9	117708146.667
Co	59	1	He	3.937433	0.2	79877.540
Ni	60	1	He	10.647754	0.4	53629.320
Cu	63	1	He	10.089542	0.5	129254.797
Zn	66	1	He	24.197150	1.9	63961.300
As	75	1	He	1.517916	1.1	3531.187
Se	78	2	H2	0.124008	8.2	154.333
Sr	88	1	He	21.461603	1.9	393549.593
Mo	95	1	He	0.156858	20.0	1276.730
Pd	105	1	He	0.034465	10.0	436.683
Ag	107	1	He	0.033645	13.0	1631.763
Cd	111	1	He	0.107312	12.9	479.630
Sn	118	1	He	1.194785	2.7	14089.217
Sb	121	1	He	0.086828	5.3	1410.073
Ba	138	1	He	45.628095	0.5	1768387.683
Pt	195	1	He	0.003498	118.7	140.003
Hg	202	1	He	0.017865	23.3	206.677
Tl	205	1	He	0.103389	5.1	6204.587
Pb	206	1	He	3.947425	0.8	70733.523
Pb	207	1	He	3.698531	0.5	56226.793
Pb	208	1	He	3.815255	0.3	270537.423
Bi	209	1	He	0.057767	18.0	4787.500
Th	232	1	He	2.164728	0.5	172125.243
U	238	1	He	0.410629	1.0	33474.287

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.41790360	1010707.147
Sc	45	2	H2	93.74976469	6283270.167
Ge	72	1	He	90.12123547	610248.247
Ge	72	2	H2	94.30202972	1710500.667
In	115	1	He	90.95901235	6630360.307
Tb	159	1	He	95.95144550	15536668.520
Ir	193	1	He	95.37897173	7455985.930

Sample Name	10608145005_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	149SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:07:02
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.827349	5.5	2142.957
Be	9	2	H2	0.111389	21.2	76.000
B	11	2	H2	1.651229	23.0	3930.507
Na	23	1	He	349.634180	7.2	618606.240
Mg	24	1	He	4409.729998	6.8	4227327.227
Al	27	1	He	2362.455590	7.4	1225509.793
Si	28	2	H2	511.836145	1.6	2191322.290
K	39	1	He	342.310986	10.5	604327.020
Ca	43	1	He	9724.858641	7.7	42596.190
Ca	44	1	He	10100.96044	7.9	740843.157
Ti	47	1	He	178.707095	7.1	84043.653
V	51	1	He	14.816433	6.0	163341.603
Cr	52	1	He	15.342816	8.2	204437.297
Mn	55	1	He	105.574923	7.3	1061455.793
Fe	56	1	He	6590.892061	6.8	80160842.667
Co	59	1	He	3.015028	7.5	58895.497
Ni	60	1	He	8.823477	6.7	42930.923
Cu	63	1	He	15.647235	6.7	192846.697
Zn	66	1	He	72.183243	7.3	183245.947
As	75	1	He	1.094544	10.6	2517.680
Se	78	2	H2	0.138823	15.6	169.000
Sr	88	1	He	9.195522	8.3	160124.470
Mo	95	1	He	0.506915	4.8	3923.817
Pd	105	1	He	0.023502	7.6	293.343
Ag	107	1	He	0.046095	22.6	1820.117
Cd	111	1	He	0.116596	4.0	497.170
Sn	118	1	He	1.977413	11.3	21980.877
Sb	121	1	He	0.305998	11.9	4490.643
Ba	138	1	He	20.755967	8.4	754315.693
Pt	195	1	He	0.004039	32.1	140.000
Hg	202	1	He	0.054628	18.8	443.350
Tl	205	1	He	0.030345	25.4	2196.843
Pb	206	1	He	4.995638	10.1	83834.763
Pb	207	1	He	4.759212	8.4	67578.843
Pb	208	1	He	4.808059	8.9	319271.747
Bi	209	1	He	0.045286	9.9	3840.547
Th	232	1	He	1.030486	8.4	76796.957
U	238	1	He	0.382241	9.7	29184.033

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	87.33558912	955125.583
Sc	45	2	H2	92.10704341	6173172.167
Ge	72	1	He	87.03799590	589370.353
Ge	72	2	H2	93.45929352	1695214.667
In	115	1	He	86.71103921	6320708.830
Tb	159	1	He	90.35163158	14629934.367
Ir	193	1	He	89.76467450	7017103.853

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	150_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:10:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	79.604210	4.7	60514.193
Be	9	2	H2	79.198478	3.4	51279.483
B	11	2	H2	76.304039	5.2	54851.120
Na	23	1	He	2026.732483	1.4	3809639.943
Mg	24	1	He	2018.374841	1.2	2101448.770
Al	27	1	He	1969.355676	1.1	1108946.417
Si	28	2	H2	996.936740	5.1	4398455.083
K	39	1	He	2039.583758	1.7	3283645.367
Ca	43	1	He	2011.971486	0.5	9575.533
Ca	44	1	He	1997.426060	1.3	159191.523
Ti	47	1	He	76.170206	2.2	38875.243
V	51	1	He	81.785483	1.6	985751.717
Cr	52	1	He	82.294528	1.5	1188253.420
Mn	55	1	He	83.548467	0.9	911965.773
Fe	56	1	He	1035.363368	1.2	13678775.667
Co	59	1	He	83.866390	0.8	1767693.960
Ni	60	1	He	84.467751	0.4	436609.263
Cu	63	1	He	86.821273	0.3	1154564.460
Zn	66	1	He	81.714983	0.7	224137.313
As	75	1	He	79.526183	0.3	178768.663
Se	78	2	H2	78.670275	0.9	88320.477
Sr	88	1	He	75.886984	0.9	1436863.467
Mo	95	1	He	81.709252	0.7	678780.797
Pd	105	1	He	79.364452	0.9	959029.203
Ag	107	1	He	39.928733	3.3	962357.823
Cd	111	1	He	78.629405	0.3	360441.190
Sn	118	1	He	78.619842	1.1	946389.777
Sb	121	1	He	75.367912	0.5	1183604.127
Ba	138	1	He	79.756479	1.3	3117855.787
Pt	195	1	He	79.932272	0.3	1162898.080
Hg	202	1	He	3.600145	1.4	26492.280
Tl	205	1	He	39.729007	0.6	2112410.853
Pb	206	1	He	80.365474	0.7	1450905.393
Pb	207	1	He	83.576069	0.7	1260722.220
Pb	208	1	He	81.706123	0.9	5818387.567
Bi	209	1	He	84.285361	1.0	4723105.450
Th	232	1	He	78.725950	0.4	6323118.033
U	238	1	He	76.096949	0.9	6251693.867

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.47199730	1033171.270
Sc	45	2	H2	95.08740077	6372920.833
Ge	72	1	He	93.74640169	634795.750
Ge	72	2	H2	95.60954086	1734217.003
In	115	1	He	93.94603302	6848095.997
Tb	159	1	He	96.78989347	15672431.853
Ir	193	1	He	96.37694987	7534000.097

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	151_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:14:15
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.021901	24.6	83.667
Be	9	2	H2	0.026220	31.0	23.667
B	11	2	H2	-0.691142		2506.893
Na	23	1	He	0.174219	251.3	17540.047
Mg	24	1	He	-2.553407		758.360
Al	27	1	He	0.321717	12.8	427.343
Si	28	2	H2	-0.084376		11963.373
K	39	1	He	7.328354	5.6	138954.007
Ca	43	1	He	1.141022	36.9	15.780
Ca	44	1	He	1.224923	82.0	278.990
Ti	47	1	He	0.024897	26.7	16.000
V	51	1	He	-0.022804		-2012.247
Cr	52	1	He	-0.006652		457.343
Mn	55	1	He	-0.054522		328.003
Fe	56	1	He	0.135392	10.2	18770.420
Co	59	1	He	0.001525	119.2	134.000
Ni	60	1	He	-0.131745		178.000
Cu	63	1	He	0.004584	28.7	374.677
Zn	66	1	He	0.002964	342.1	230.000
As	75	1	He	-0.014603		233.333
Se	78	2	H2	0.004414	80.1	22.667
Sr	88	1	He	0.002261	114.7	271.670
Mo	95	1	He	0.011023	16.9	115.000
Pd	105	1	He	0.002233	19.0	63.333
Ag	107	1	He	0.199320	14.5	5847.717
Cd	111	1	He	0.008504	29.5	43.300
Sn	118	1	He	0.021585	25.2	441.677
Sb	121	1	He	0.005763	21.2	188.333
Ba	138	1	He	0.011869	10.1	633.353
Pt	195	1	He	0.001617	132.5	116.667
Hg	202	1	He	0.022730	34.8	250.010
Tl	205	1	He	0.042584	29.3	3097.003
Pb	206	1	He	0.006999	24.1	226.670
Pb	207	1	He	0.001258	253.0	1010.043
Pb	208	1	He	0.006068	19.8	1743.393
Bi	209	1	He	0.003944	3.6	1853.477
Th	232	1	He	0.006627	22.0	600.017
U	238	1	He	0.003536	3.1	386.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.31680850	1042410.353
Sc	45	2	H2	96.89738624	6494229.167
Ge	72	1	He	93.75123180	634828.457
Ge	72	2	H2	97.48564295	1768246.747
In	115	1	He	96.74443055	7052082.203
Tb	159	1	He	99.05814589	16039712.260
Ir	193	1	He	98.33904123	7687381.133

Sample Name	10608145006_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	152SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:17:51
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.844600	5.2	2944.397
Be	9	2	H2	0.231820	15.7	154.333
B	11	2	H2	2.812315	33.2	4784.050
Na	23	1	He	1006.332550	0.5	1829563.047
Mg	24	1	He	4936.668181	0.8	4944011.697
Al	27	1	He	4563.958299	0.8	2474113.083
Si	28	2	H2	959.509621	1.8	4170519.917
K	39	1	He	593.336799	0.9	1006046.623
Ca	43	1	He	12296.96539	0.6	56294.990
Ca	44	1	He	12675.76271	0.1	971770.973
Ti	47	1	He	157.829328	0.7	77559.973
V	51	1	He	17.040911	1.0	196452.637
Cr	52	1	He	9.651954	0.9	134655.187
Mn	55	1	He	172.831515	0.7	1815373.627
Fe	56	1	He	7787.092402	0.5	98949392.000
Co	59	1	He	3.543190	1.0	71264.463
Ni	60	1	He	8.819117	1.8	44171.173
Cu	63	1	He	7.989783	1.0	101526.070
Zn	66	1	He	26.611912	2.0	69700.460
As	75	1	He	2.055791	1.6	4651.610
Se	78	2	H2	0.172607	5.0	207.333
Sr	88	1	He	11.768960	1.0	214078.963
Mo	95	1	He	0.307710	6.9	2458.530
Pd	105	1	He	0.032473	19.5	410.013
Ag	107	1	He	0.117757	9.2	3562.070
Cd	111	1	He	0.103702	4.2	459.273
Sn	118	1	He	1.172518	1.2	13708.923
Sb	121	1	He	0.081171	12.5	1311.730
Ba	138	1	He	51.516145	0.9	1978363.460
Pt	195	1	He	0.004055	37.7	146.667
Hg	202	1	He	0.038068	32.5	350.013
Tl	205	1	He	0.098575	1.1	5894.483
Pb	206	1	He	5.193008	0.4	92179.833
Pb	207	1	He	4.902174	0.3	73535.000
Pb	208	1	He	5.001698	0.8	351063.733
Bi	209	1	He	0.061523	1.9	4947.533
Th	232	1	He	2.182382	1.7	171710.807
U	238	1	He	0.473770	1.6	38203.310

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.95173125	994672.690
Sc	45	2	H2	93.80573908	6287021.667
Ge	72	1	He	89.34394540	604984.893
Ge	72	2	H2	93.96837322	1704448.627
In	115	1	He	90.18027590	6573595.143
Tb	159	1	He	95.07631583	15394965.603
Ir	193	1	He	94.38306436	7378133.640

Sample Name	10608146001_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	153SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:21:26
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.880786	4.7	3750.710
Be	9	2	H2	0.470487	4.7	309.167
B	11	2	H2	3.034197	24.9	4977.420
Na	23	1	He	119.779664	1.4	234891.540
Mg	24	1	He	2760.398027	1.1	2797602.357
Al	27	1	He	6145.145044	0.7	3369287.417
Si	28	2	H2	1068.233978	6.5	4687806.500
K	39	1	He	773.879508	0.8	1289676.727
Ca	43	1	He	5008.812997	1.6	23198.857
Ca	44	1	He	5152.976435	0.8	399666.543
Ti	47	1	He	123.039116	4.0	61161.290
V	51	1	He	23.074034	0.4	269630.037
Cr	52	1	He	12.262270	0.9	172883.000
Mn	55	1	He	320.391920	0.7	3403034.167
Fe	56	1	He	11020.78881	0.0	141630997.333
Co	59	1	He	5.285732	1.2	106821.723
Ni	60	1	He	12.274603	1.1	61482.167
Cu	63	1	He	10.577793	0.3	135011.977
Zn	66	1	He	49.342666	0.7	129733.303
As	75	1	He	2.039983	1.0	4640.940
Se	78	2	H2	0.233382	3.7	276.000
Sr	88	1	He	11.756285	1.3	218247.980
Mo	95	1	He	0.164101	7.0	1328.397
Pd	105	1	He	0.038819	8.9	493.353
Ag	107	1	He	0.082557	1.5	2805.257
Cd	111	1	He	0.110569	5.2	499.613
Sn	118	1	He	1.237797	1.4	14759.800
Sb	121	1	He	0.061291	6.8	1033.377
Ba	138	1	He	82.390894	1.0	3196704.223
Pt	195	1	He	0.002324	169.0	123.333
Hg	202	1	He	0.029735	5.2	293.343
Tl	205	1	He	0.112592	1.9	6694.790
Pb	206	1	He	7.372150	2.1	132172.847
Pb	207	1	He	7.004587	2.0	105743.453
Pb	208	1	He	7.132706	1.6	505247.717
Bi	209	1	He	0.098686	5.5	7065.067
Th	232	1	He	3.329671	1.5	265410.923
U	238	1	He	0.466130	2.6	38087.980

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.98957139	1006022.790
Sc	45	2	H2	94.58953975	6339553.333
Ge	72	1	He	89.80148495	608083.083
Ge	72	2	H2	94.51173280	1714304.373
In	115	1	He	92.03319440	6708661.663
Tb	159	1	He	96.05737858	15553821.437
Ir	193	1	He	95.63561925	7476048.637

Sample Name	10608146002_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	154SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:25:04
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.317565	4.1	2513.503
Be	9	2	H2	0.306746	7.7	199.167
B	11	2	H2	2.665359	12.8	4614.003
Na	23	1	He	134.321869	2.7	257468.677
Mg	24	1	He	1752.310467	0.5	1750547.110
Al	27	1	He	4535.974933	0.3	2449888.667
Si	28	2	H2	948.029605	1.4	4065887.750
K	39	1	He	680.966284	0.6	1132456.153
Ca	43	1	He	3165.578489	0.9	14445.920
Ca	44	1	He	3237.032292	0.8	247376.020
Ti	47	1	He	102.035446	3.1	49960.333
V	51	1	He	16.102053	2.6	184864.887
Cr	52	1	He	8.965632	1.1	124655.283
Mn	55	1	He	371.806383	0.9	3889947.250
Fe	56	1	He	9699.902229	0.4	122798170.667
Co	59	1	He	3.542725	1.4	71037.610
Ni	60	1	He	8.147913	1.3	40749.880
Cu	63	1	He	9.099189	1.0	115229.920
Zn	66	1	He	38.191451	1.1	99638.397
As	75	1	He	1.864826	1.1	4229.673
Se	78	2	H2	0.244836	8.1	284.000
Sr	88	1	He	8.825136	0.9	161459.723
Mo	95	1	He	0.138459	0.4	1115.050
Pd	105	1	He	0.026584	18.9	343.347
Ag	107	1	He	0.054082	7.4	2101.813
Cd	111	1	He	0.110388	6.9	491.343
Sn	118	1	He	1.178672	2.0	13854.033
Sb	121	1	He	0.056351	11.4	943.370
Ba	138	1	He	77.988065	0.5	2985725.997
Pt	195	1	He	0.013221	27.0	276.677
Hg	202	1	He	0.032998	42.5	313.343
Tl	205	1	He	0.083067	1.9	5069.180
Pb	206	1	He	5.748491	1.7	101710.717
Pb	207	1	He	5.469514	1.7	81677.233
Pb	208	1	He	5.586537	1.0	390736.513
Bi	209	1	He	0.069379	5.7	5364.333
Th	232	1	He	2.375336	1.3	187393.250
U	238	1	He	0.511579	1.0	41356.207

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.61687638	991010.627
Sc	45	2	H2	92.53482018	6201842.500
Ge	72	1	He	89.06811086	603117.103
Ge	72	2	H2	92.96084716	1686173.580
In	115	1	He	90.67301484	6609512.823
Tb	159	1	He	94.78385798	15347610.187
Ir	193	1	He	94.64082856	7398283.640

Sample Name	10608146003_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	155SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:28:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.722065	3.9	3731.370
Be	9	2	H2	0.494577	4.0	333.833
B	11	2	H2	3.437098	15.0	5394.223
Na	23	1	He	160.709700	0.7	318399.163
Mg	24	1	He	2291.649512	0.7	2389982.360
Al	27	1	He	6910.590619	0.4	3898344.667
Si	28	2	H2	1043.752832	5.8	4707387.667
K	39	1	He	926.601850	0.7	1563750.863
Ca	43	1	He	4341.460213	0.8	20690.150
Ca	44	1	He	4480.812577	0.5	357596.800
Ti	47	1	He	116.974477	0.2	59819.057
V	51	1	He	23.021337	0.5	276782.380
Cr	52	1	He	12.540198	1.0	181903.147
Mn	55	1	He	924.877981	1.0	10105916.667
Fe	56	1	He	14530.87824	0.4	192122848.000
Co	59	1	He	6.445766	1.0	132857.777
Ni	60	1	He	12.275613	0.5	62719.660
Cu	63	1	He	9.627681	0.7	125385.223
Zn	66	1	He	53.586052	1.5	143712.530
As	75	1	He	3.917505	2.2	8852.860
Se	78	2	H2	0.279622	4.2	335.667
Sr	88	1	He	12.699613	1.1	240058.093
Mo	95	1	He	0.231060	2.9	1898.460
Pd	105	1	He	0.032844	23.0	430.013
Ag	107	1	He	0.061092	12.7	2341.850
Cd	111	1	He	0.153075	7.7	702.787
Sn	118	1	He	1.222081	0.9	14839.863
Sb	121	1	He	0.061450	8.3	1055.043
Ba	138	1	He	103.707341	1.4	4069277.753
Pt	195	1	He	-0.000052		90.000
Hg	202	1	He	0.035169	16.0	336.677
Tl	205	1	He	0.118764	2.9	7099.983
Pb	206	1	He	9.498387	2.4	172190.707
Pb	207	1	He	9.050043	2.4	137883.447
Pb	208	1	He	9.248244	2.1	662148.793
Bi	209	1	He	0.118012	4.1	8232.290
Th	232	1	He	3.321947	2.7	267027.297
U	238	1	He	0.606489	4.4	49942.977

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.64524741	1035065.980
Sc	45	2	H2	97.26683117	6518990.000
Ge	72	1	He	91.60715148	620310.000
Ge	72	2	H2	96.95147448	1758557.713
In	115	1	He	93.71346630	6831143.293
Tb	159	1	He	97.14545517	15730005.183
Ir	193	1	He	96.43741466	7538726.763

Sample Name	10608146004_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	156SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:32:18
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.824242	3.7	4689.417
Be	9	2	H2	0.510194	5.5	351.167
B	11	2	H2	3.826639	5.0	5784.363
Na	23	1	He	229.629530	0.2	454414.300
Mg	24	1	He	3031.459651	0.5	3208473.490
Al	27	1	He	7440.429180	0.5	4260698.667
Si	28	2	H2	966.733483	5.2	4458949.667
K	39	1	He	1034.660868	0.2	1757679.560
Ca	43	1	He	5279.006661	0.5	25536.353
Ca	44	1	He	5426.131880	0.9	439552.573
Ti	47	1	He	121.665890	2.0	63157.380
V	51	1	He	28.337896	0.5	346272.883
Cr	52	1	He	14.281348	0.3	210209.747
Mn	55	1	He	761.453923	0.8	8445758.333
Fe	56	1	He	16304.12128	0.4	218835936.000
Co	59	1	He	10.609123	0.7	222426.197
Ni	60	1	He	17.651696	0.4	91393.137
Cu	63	1	He	13.899303	0.7	184043.373
Zn	66	1	He	55.395445	0.8	151148.253
As	75	1	He	5.507848	1.3	12556.573
Se	78	2	H2	0.279934	5.6	342.000
Sr	88	1	He	15.572055	1.3	298275.647
Mo	95	1	He	0.170971	8.4	1435.073
Pd	105	1	He	0.038073	22.4	500.017
Ag	107	1	He	0.079414	2.4	2818.590
Cd	111	1	He	0.207811	3.0	966.277
Sn	118	1	He	1.286508	2.1	15825.767
Sb	121	1	He	0.092485	3.6	1561.753
Ba	138	1	He	125.309419	0.8	4982752.323
Pt	195	1	He	0.001231	289.3	110.000
Hg	202	1	He	0.029619	40.9	300.007
Tl	205	1	He	0.126549	5.3	7615.220
Pb	206	1	He	14.934748	0.8	274320.310
Pb	207	1	He	14.344224	2.4	220884.553
Pb	208	1	He	14.480206	0.9	1049925.340
Bi	209	1	He	0.123841	4.7	8672.543
Th	232	1	He	3.826348	1.2	308954.047
U	238	1	He	0.611284	0.7	50566.600

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.08109254	1050768.770
Sc	45	2	H2	99.40920890	6662575.833
Ge	72	1	He	93.20994312	631163.167
Ge	72	2	H2	98.60210816	1788497.790
In	115	1	He	94.98215411	6923622.940
Tb	159	1	He	98.45022531	15941276.427
Ir	193	1	He	96.87273823	7572756.973

Sample Name	10608146005_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	157SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:35:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.251195	4.7	5054.013
Be	9	2	H2	0.564647	10.2	390.670
B	11	2	H2	5.125868	18.0	6754.690
Na	23	1	He	220.854887	0.9	445874.303
Mg	24	1	He	4115.251016	0.6	4435585.767
Al	27	1	He	7416.552819	0.0	4326307.500
Si	28	2	H2	904.162885	2.4	4188247.583
K	39	1	He	1085.862963	0.8	1872582.157
Ca	43	1	He	6909.874289	0.9	34044.803
Ca	44	1	He	7049.942362	0.4	581684.370
Ti	47	1	He	133.225390	2.4	70452.133
V	51	1	He	34.191263	1.0	425956.257
Cr	52	1	He	14.592250	1.2	218776.947
Mn	55	1	He	879.183633	0.4	9933543.667
Fe	56	1	He	20326.67398	0.5	277914528.000
Co	59	1	He	7.112096	0.7	151434.667
Ni	60	1	He	20.609005	0.8	108200.520
Cu	63	1	He	15.709050	0.4	211160.317
Zn	66	1	He	55.387617	0.5	153453.333
As	75	1	He	10.684837	0.4	24482.213
Se	78	2	H2	0.285031	3.2	348.667
Sr	88	1	He	17.257902	0.2	334462.520
Mo	95	1	He	0.369076	3.4	3118.643
Pd	105	1	He	0.041367	14.3	546.690
Ag	107	1	He	0.071903	3.7	2666.903
Cd	111	1	He	0.203540	15.9	957.437
Sn	118	1	He	1.311267	5.4	16317.877
Sb	121	1	He	0.138109	7.8	2313.513
Ba	138	1	He	123.258512	0.3	4928557.323
Pt	195	1	He	0.002748	259.4	133.337
Hg	202	1	He	0.041875	36.3	393.347
Tl	205	1	He	0.161398	3.1	9552.913
Pb	206	1	He	14.140392	1.1	261182.907
Pb	207	1	He	13.517774	0.4	209392.347
Pb	208	1	He	13.755973	0.4	1003011.797
Bi	209	1	He	0.166981	1.2	11194.137
Th	232	1	He	4.315031	1.1	351343.550
U	238	1	He	0.593249	1.5	49491.473

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.87283507	1070363.750
Sc	45	2	H2	99.88849882	6694698.667
Ge	72	1	He	94.64578885	640885.873
Ge	72	2	H2	98.89342184	1793781.793
In	115	1	He	96.10885444	7005752.560
Tb	159	1	He	98.99612021	16029668.927
Ir	193	1	He	97.68612122	7636340.927

Sample Name	10608146006_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	158SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:39:32
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.654000	5.3	4287.490
Be	9	2	H2	0.348356	11.5	228.000
B	11	2	H2	5.702825	3.6	6697.983
Na	23	1	He	112.296917	1.9	219712.020
Mg	24	1	He	5593.520958	1.5	5626140.960
Al	27	1	He	5654.631804	0.9	3078893.500
Si	28	2	H2	936.582221	4.1	4064187.667
K	39	1	He	1021.581819	1.1	1651670.130
Ca	43	1	He	14560.91103	0.9	66953.040
Ca	44	1	He	15099.28325	0.8	1162664.147
Ti	47	1	He	133.435863	2.9	65868.320
V	51	1	He	22.373298	1.4	259583.587
Cr	52	1	He	11.639853	0.9	162997.273
Mn	55	1	He	476.742504	0.8	5028204.333
Fe	56	1	He	13430.87962	1.0	171407520.000
Co	59	1	He	7.771402	0.6	156349.760
Ni	60	1	He	16.117185	0.7	80134.087
Cu	63	1	He	10.870907	0.4	138165.567
Zn	66	1	He	42.899887	0.6	112352.593
As	75	1	He	3.938404	0.6	8686.610
Se	78	2	H2	0.246349	15.0	288.333
Sr	88	1	He	19.133928	0.6	351294.227
Mo	95	1	He	0.402418	7.6	3211.993
Pd	105	1	He	0.029600	10.7	380.013
Ag	107	1	He	0.044544	7.2	1888.460
Cd	111	1	He	0.128926	6.4	575.717
Sn	118	1	He	1.261569	3.6	14881.553
Sb	121	1	He	0.098693	11.5	1591.757
Ba	138	1	He	126.452278	0.3	4850197.323
Pt	195	1	He	0.004518	89.8	153.337
Hg	202	1	He	0.025116	22.8	256.673
Tl	205	1	He	0.133192	4.6	7693.590
Pb	206	1	He	11.361872	1.2	201332.533
Pb	207	1	He	10.903449	1.4	162201.343
Pb	208	1	He	11.116039	0.7	777738.950
Bi	209	1	He	0.100874	11.1	7105.077
Th	232	1	He	3.257920	0.9	255859.540
U	238	1	He	0.449094	2.6	36153.687

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.35718607	999106.853
Sc	45	2	H2	93.57342135	6271451.333
Ge	72	1	He	89.42906498	605561.273
Ge	72	2	H2	94.00199630	1705058.500
In	115	1	He	91.05374803	6637265.963
Tb	159	1	He	94.96077165	15376256.437
Ir	193	1	He	94.21782560	7365216.560

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	159_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:43:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	78.334342	4.7	59626.413
Be	9	2	H2	78.509852	3.3	50897.143
B	11	2	H2	73.962564	4.7	53323.117
Na	23	1	He	2019.627531	1.3	3800107.237
Mg	24	1	He	2011.293140	1.4	2096121.217
Al	27	1	He	1977.973545	0.7	1114931.170
Si	28	2	H2	983.572127	4.8	4344874.333
K	39	1	He	2043.327225	2.1	3292689.430
Ca	43	1	He	2012.710984	1.6	9587.960
Ca	44	1	He	2003.468221	1.2	159834.490
Ti	47	1	He	77.422109	0.8	39556.757
V	51	1	He	82.472600	1.6	995053.920
Cr	52	1	He	82.629823	0.9	1194325.997
Mn	55	1	He	83.044063	1.4	907329.790
Fe	56	1	He	1032.506328	1.7	13654164.000
Co	59	1	He	83.840552	1.3	1772282.540
Ni	60	1	He	84.201163	0.7	436503.583
Cu	63	1	He	86.409489	0.7	1152449.247
Zn	66	1	He	81.548968	0.8	224334.033
As	75	1	He	79.418180	0.8	179045.963
Se	78	2	H2	78.838914	0.5	88777.960
Sr	88	1	He	76.020253	0.7	1445147.267
Mo	95	1	He	82.167784	0.4	684594.207
Pd	105	1	He	79.523315	1.5	964789.257
Ag	107	1	He	39.917369	4.3	965893.787
Cd	111	1	He	78.519974	0.6	361392.977
Sn	118	1	He	78.185982	1.9	944912.850
Sb	121	1	He	75.062618	1.0	1183519.227
Ba	138	1	He	80.852121	1.0	3141407.037
Pt	195	1	He	80.030511	2.2	1157085.557
Hg	202	1	He	3.640342	1.3	26619.040
Tl	205	1	He	40.165941	1.4	2122464.293
Pb	206	1	He	81.222677	1.0	1457440.553
Pb	207	1	He	84.467628	1.1	1266411.230
Pb	208	1	He	82.298348	0.5	5824700.797
Bi	209	1	He	83.852619	1.9	4669876.080
Th	232	1	He	78.377666	2.0	6251360.743
U	238	1	He	76.477466	1.7	6239522.827

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.56311978	1034167.810
Sc	45	2	H2	95.20267435	6380646.667
Ge	72	1	He	94.02366724	636673.230
Ge	72	2	H2	95.90324797	1739544.420
In	115	1	He	94.32345185	6875607.540
Tb	159	1	He	96.19761569	15576528.937
Ir	193	1	He	95.72131150	7482747.390

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	160_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:46:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.038334	24.2	94.167
Be	9	2	H2	0.018121	13.8	17.833
B	11	2	H2	-1.341429		2006.813
Na	23	1	He	-0.547849		15781.820
Mg	24	1	He	-2.517473		776.690
Al	27	1	He	0.391259	9.5	455.677
Si	28	2	H2	-0.096923		11632.300
K	39	1	He	7.516847	8.2	135886.860
Ca	43	1	He	1.034017	91.0	14.897
Ca	44	1	He	0.628487	107.8	225.603
Ti	47	1	He	-0.004825		0.667
V	51	1	He	-0.010720		-1818.427
Cr	52	1	He	-0.007740		430.677
Mn	55	1	He	-0.045940		412.007
Fe	56	1	He	0.268219	9.8	20042.440
Co	59	1	He	0.001401	58.5	128.667
Ni	60	1	He	-0.127704		194.667
Cu	63	1	He	0.001548	108.1	327.337
Zn	66	1	He	0.019652	78.6	270.000
As	75	1	He	-0.020660		215.167
Se	78	2	H2	0.009134	27.7	27.667
Sr	88	1	He	0.002745	117.2	275.007
Mo	95	1	He	0.008032	56.3	88.333
Pd	105	1	He	0.006435	84.6	113.337
Ag	107	1	He	0.215472	17.4	6114.487
Cd	111	1	He	0.006875	81.4	34.973
Sn	118	1	He	0.017932	7.2	388.343
Sb	121	1	He	0.003681	73.3	151.667
Ba	138	1	He	0.012999	3.0	666.687
Pt	195	1	He	0.006318	37.9	183.337
Hg	202	1	He	0.023348	21.4	250.010
Tl	205	1	He	0.043872	31.5	3108.683
Pb	206	1	He	0.007855	11.7	238.333
Pb	207	1	He	-0.002955		928.373
Pb	208	1	He	0.005267	28.6	1655.053
Bi	209	1	He	0.002089	99.5	1716.797
Th	232	1	He	0.007550	9.8	665.020
U	238	1	He	0.003372	20.3	366.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.01663943	1017255.083
Sc	45	2	H2	94.65305399	6343810.167
Ge	72	1	He	91.80404240	621643.230
Ge	72	2	H2	96.13289459	1743709.873
In	115	1	He	94.78706065	6909401.810
Tb	159	1	He	97.32258240	15758686.013
Ir	193	1	He	96.73798235	7562222.807

Sample Name	4322455_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	161SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:50:21
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.019861	45.9	82.333
Be	9	2	H2	0.014195	17.8	15.667
B	11	2	H2	-1.161119		2190.180
Na	23	1	He	9.270099	5.1	34445.387
Mg	24	1	He	0.588270	25.4	4022.133
Al	27	1	He	3.627474	7.6	2287.150
Si	28	2	H2	1.653996	10.7	19809.723
K	39	1	He	7.964274	3.5	138875.233
Ca	43	1	He	9.605892	18.6	55.967
Ca	44	1	He	12.070441	1.8	1141.503
Ti	47	1	He	0.216921	6.5	114.000
V	51	1	He	0.080122	60.5	-756.837
Cr	52	1	He	0.424706	2.1	6687.247
Mn	55	1	He	0.054867	16.9	1519.403
Fe	56	1	He	5.653448	1.5	91529.667
Co	59	1	He	0.008366	20.9	275.333
Ni	60	1	He	-0.061074		536.677
Cu	63	1	He	0.329525	3.7	4643.283
Zn	66	1	He	1.350969	2.2	3881.763
As	75	1	He	-0.032677		190.667
Se	78	2	H2	-0.001730		15.667
Sr	88	1	He	0.042885	16.1	1055.043
Mo	95	1	He	0.012188	17.7	123.333
Pd	105	1	He	0.003357	74.7	76.667
Ag	107	1	He	0.042149	16.8	1931.793
Cd	111	1	He	0.011389	35.0	56.630
Sn	118	1	He	0.034030	6.4	591.687
Sb	121	1	He	0.007509	29.0	215.000
Ba	138	1	He	0.084617	4.5	3530.400
Pt	195	1	He	0.007948	39.2	210.007
Hg	202	1	He	0.012626	79.6	173.337
Tl	205	1	He	0.006282	34.1	1116.720
Pb	206	1	He	0.037740	8.4	791.697
Pb	207	1	He	0.028842	0.5	1430.077
Pb	208	1	He	0.036175	4.5	3921.880
Bi	209	1	He	0.006055	36.3	1966.830
Th	232	1	He	0.007418	12.3	665.023
U	238	1	He	0.004453	24.7	463.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.58490722	1034406.083
Sc	45	2	H2	97.16774886	6512349.333
Ge	72	1	He	92.73371668	627938.440
Ge	72	2	H2	97.79418275	1773843.207
In	115	1	He	96.05543710	7001858.760
Tb	159	1	He	98.67642448	15977903.093
Ir	193	1	He	98.29145937	7683661.553

Sample Name	4322456_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	162SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:53:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.334786	4.6	80201.057
Be	9	2	H2	106.868533	3.9	68684.457
B	11	2	H2	102.582873	4.1	72176.233
Na	23	1	He	2251.585043	4.2	4115310.980
Mg	24	1	He	2216.495406	4.4	2244505.590
Al	27	1	He	2175.689917	4.1	1191787.667
Si	28	2	H2	541.150047	5.3	2375352.667
K	39	1	He	2261.376063	3.9	3528808.903
Ca	43	1	He	2252.635074	3.3	10429.830
Ca	44	1	He	2195.002987	5.3	170116.473
Ti	47	1	He	103.964306	4.3	51617.323
V	51	1	He	112.344599	4.6	1317778.347
Cr	52	1	He	113.937822	4.4	1600123.833
Mn	55	1	He	112.085769	4.0	1189886.873
Fe	56	1	He	2285.376038	4.3	29351180.000
Co	59	1	He	116.328144	5.7	2408729.917
Ni	60	1	He	116.320369	4.6	590554.793
Cu	63	1	He	117.348053	4.9	1533320.957
Zn	66	1	He	113.302466	4.4	305341.927
As	75	1	He	108.802101	4.2	240285.843
Se	78	2	H2	105.742432	0.4	118939.333
Sr	88	1	He	109.271474	4.1	1975677.523
Mo	95	1	He	110.579748	4.6	902729.857
Pd	105	1	He	21.847662	3.3	252177.550
Ag	107	1	He	51.317302	0.7	1181729.303
Cd	111	1	He	108.944654	2.7	477045.267
Sn	118	1	He	104.715775	2.8	1203993.707
Sb	121	1	He	104.261664	3.9	1563625.290
Ba	138	1	He	110.346488	2.9	4154527.960
Pt	195	1	He	21.682299	2.0	303915.527
Hg	202	1	He	0.027184	20.8	266.677
Tl	205	1	He	112.093450	3.9	5737448.663
Pb	206	1	He	113.464386	2.7	1972790.023
Pb	207	1	He	114.183185	3.4	1658338.257
Pb	208	1	He	113.323864	3.1	7771291.343
Bi	209	1	He	114.809058	3.4	6195051.993
Th	232	1	He	112.251993	4.1	8598578.623
U	238	1	He	105.894564	3.9	8297512.170

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.99045347	1006032.437
Sc	45	2	H2	94.38531739	6325866.000
Ge	72	1	He	92.25545620	624699.940
Ge	72	2	H2	95.80380480	1737740.667
In	115	1	He	89.78623626	6544872.043
Tb	159	1	He	93.26422124	15101547.273
Ir	193	1	He	91.98997214	7191060.310

Sample Name	10607514001_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	163SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:57:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.791692	8.6	650.177
Be	9	2	H2	0.044499	17.8	34.167
B	11	2	H2	3.889945	15.5	5440.913
Na	23	1	He	1027.109321	0.3	1868266.223
Mg	24	1	He	250.965790	0.4	254614.853
Al	27	1	He	276.378100	0.8	150150.253
Si	28	2	H2	729.107337	3.1	3136660.583
K	39	1	He	845.299387	2.0	1382665.347
Ca	43	1	He	1904.065303	1.1	8731.343
Ca	44	1	He	1945.256239	0.9	149365.750
Ti	47	1	He	9.022705	17.3	4444.840
V	51	1	He	0.872127	10.6	8482.787
Cr	52	1	He	1.680550	0.5	23898.397
Mn	55	1	He	16.679554	0.1	176115.103
Fe	56	1	He	367.215336	0.8	4684918.667
Co	59	1	He	0.642132	2.0	13037.403
Ni	60	1	He	2.294677	1.1	12138.100
Cu	63	1	He	111.625088	1.5	1419182.623
Zn	66	1	He	46.466329	0.1	121951.223
As	75	1	He	0.969317	3.1	2334.653
Se	78	2	H2	0.130594	10.3	160.000
Sr	88	1	He	6.586391	0.5	122548.173
Mo	95	1	He	0.168009	15.9	1356.790
Pd	105	1	He	0.008120	55.4	130.000
Ag	107	1	He	0.222869	21.8	6126.160
Cd	111	1	He	0.162017	11.4	731.280
Sn	118	1	He	0.444432	4.5	5414.237
Sb	121	1	He	0.656748	2.9	10209.793
Ba	138	1	He	10.847964	1.0	413691.023
Pt	195	1	He	0.011640	17.1	253.343
Hg	202	1	He	0.028596	35.4	280.013
Tl	205	1	He	0.035127	13.7	2563.567
Pb	206	1	He	1.996354	0.3	35235.420
Pb	207	1	He	2.019964	0.7	30634.377
Pb	208	1	He	1.993502	0.8	139640.797
Bi	209	1	He	0.020431	14.3	2666.953
Th	232	1	He	0.056145	3.4	4440.670
U	238	1	He	0.023748	4.7	1983.480

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.01156610	995327.060
Sc	45	2	H2	92.68158604	6211679.000
Ge	72	1	He	89.63244740	606938.460
Ge	72	2	H2	93.41286162	1694372.460
In	115	1	He	92.16714679	6718425.980
Tb	159	1	He	94.38194169	15282531.020
Ir	193	1	He	93.73130366	7327184.060

Sample Name	4323803_B70204Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	164SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:01:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.163067	5.1	191.167
Be	9	2	H2	0.019906	37.1	19.333
B	11	2	H2	-0.420984		2680.253
Na	23	1	He	209.794441	1.0	410071.243
Mg	24	1	He	50.565998	1.0	56024.300
Al	27	1	He	58.513835	3.7	33214.037
Si	28	2	H2	149.853831	5.4	679321.667
K	39	1	He	176.812617	0.7	400496.373
Ca	43	1	He	384.240929	4.3	1839.157
Ca	44	1	He	393.730808	2.8	31561.373
Ti	47	1	He	1.672553	8.9	858.023
V	51	1	He	0.245406	53.3	1243.577
Cr	52	1	He	0.487547	42.6	7602.800
Mn	55	1	He	3.388891	1.1	37911.530
Fe	56	1	He	74.444852	1.0	1000211.897
Co	59	1	He	0.129630	1.5	2814.897
Ni	60	1	He	0.364736	1.2	2720.217
Cu	63	1	He	22.364209	0.7	295606.123
Zn	66	1	He	9.675348	1.1	26552.953
As	75	1	He	0.170306	5.0	644.010
Se	78	2	H2	0.029797	18.0	51.333
Sr	88	1	He	1.350980	0.2	26254.810
Mo	95	1	He	0.029927	22.0	270.003
Pd	105	1	He	0.000941	217.9	46.667
Ag	107	1	He	0.047915	17.9	2065.147
Cd	111	1	He	0.030022	20.8	143.253
Sn	118	1	He	0.165976	9.8	2205.167
Sb	121	1	He	0.127195	1.2	2126.820
Ba	138	1	He	2.214976	0.8	87947.780
Pt	195	1	He	0.005326	111.7	170.007
Hg	202	1	He	0.009200	95.5	146.670
Tl	205	1	He	0.000900	280.7	820.030
Pb	206	1	He	0.405873	6.2	7526.830
Pb	207	1	He	0.409937	2.8	7246.697
Pb	208	1	He	0.401574	3.5	30279.503
Bi	209	1	He	0.003653	73.0	1820.147
Th	232	1	He	0.012518	5.7	1065.050
U	238	1	He	0.005820	7.5	568.353

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.56287594	1034165.143
Sc	45	2	H2	96.18988173	6446811.000
Ge	72	1	He	93.10367237	630443.563
Ge	72	2	H2	96.82551760	1756273.040
In	115	1	He	95.61414840	6969691.490
Tb	159	1	He	98.13093358	15889576.010
Ir	193	1	He	96.66971956	7556886.553

Sample Name	4322457_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	165SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:04:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.903493	4.7	79670.743
Be	9	2	H2	107.192367	4.6	68076.580
B	11	2	H2	108.579397	6.4	75335.747
Na	23	1	He	3186.803854	0.3	5910857.203
Mg	24	1	He	2398.140314	0.1	2467154.023
Al	27	1	He	2378.978293	0.1	1323959.210
Si	28	2	H2	1331.308418	5.8	5756326.167
K	39	1	He	2993.967672	0.7	4705673.783
Ca	43	1	He	4004.662572	0.6	18825.870
Ca	44	1	He	4089.922772	1.0	321979.587
Ti	47	1	He	111.774226	0.7	56386.730
V	51	1	He	111.309588	1.4	1326629.087
Cr	52	1	He	111.643581	0.5	1593083.127
Mn	55	1	He	124.038413	0.6	1337650.710
Fe	56	1	He	2542.196353	0.2	33171188.667
Co	59	1	He	114.294985	0.9	2367689.583
Ni	60	1	He	115.861451	0.7	588283.857
Cu	63	1	He	221.755647	0.6	2897808.250
Zn	66	1	He	155.225439	0.2	418261.657
As	75	1	He	107.001274	0.3	236311.803
Se	78	2	H2	105.445974	0.7	116847.710
Sr	88	1	He	110.538076	0.6	2057318.823
Mo	95	1	He	110.873397	0.5	905222.047
Pd	105	1	He	21.426052	0.7	254540.417
Ag	107	1	He	48.625374	2.3	1152006.960
Cd	111	1	He	104.917362	0.3	472787.163
Sn	118	1	He	103.000631	1.2	1218891.857
Sb	121	1	He	101.435182	1.1	1565856.903
Ba	138	1	He	117.725168	0.5	4460023.893
Pt	195	1	He	20.892121	1.2	294622.893
Hg	202	1	He	0.021804	39.4	230.007
Tl	205	1	He	108.938063	0.5	5611894.293
Pb	206	1	He	111.990796	1.0	1959300.963
Pb	207	1	He	112.871423	0.7	1649679.457
Pb	208	1	He	112.754770	1.1	7780831.297
Bi	209	1	He	112.177704	1.2	6091502.200
Th	232	1	He	110.525071	2.0	8499828.207
U	238	1	He	106.407325	1.6	8370421.963

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.36391841	1021053.020
Sc	45	2	H2	93.29927886	6253077.833
Ge	72	1	He	92.13649386	623894.397
Ge	72	2	H2	94.38797914	1712059.663
In	115	1	He	92.35337609	6732000.967
Tb	159	1	He	93.79628232	15187699.770
Ir	193	1	He	92.29902797	7215219.890

Sample Name	4322458_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	166SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:08:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	101.878229	4.1	76168.160
Be	9	2	H2	101.640857	3.6	64750.760
B	11	2	H2	105.131852	4.7	73260.587
Na	23	1	He	3026.472976	0.1	5569829.920
Mg	24	1	He	2287.032945	0.2	2334339.340
Al	27	1	He	2289.124884	0.8	1263877.793
Si	28	2	H2	1283.664706	5.4	5569976.667
K	39	1	He	2856.594389	1.2	4459957.953
Ca	43	1	He	3843.716435	0.5	17926.533
Ca	44	1	He	3842.005835	0.4	300075.317
Ti	47	1	He	105.266347	0.8	52680.367
V	51	1	He	105.746607	0.7	1250276.377
Cr	52	1	He	106.767886	0.7	1511462.960
Mn	55	1	He	119.441327	0.3	1277920.087
Fe	56	1	He	2437.924487	0.2	31558892.667
Co	59	1	He	108.638991	1.5	2258377.833
Ni	60	1	He	110.396013	0.9	562538.873
Cu	63	1	He	208.198180	0.9	2730263.000
Zn	66	1	He	146.729910	0.8	396774.293
As	75	1	He	102.054417	0.8	226191.870
Se	78	2	H2	100.724372	0.5	111363.760
Sr	88	1	He	106.443026	0.9	1959969.290
Mo	95	1	He	104.657706	1.1	857478.320
Pd	105	1	He	20.537536	0.6	241387.040
Ag	107	1	He	47.046633	3.0	1102508.477
Cd	111	1	He	100.468488	1.1	447889.910
Sn	118	1	He	99.123037	0.6	1160409.983
Sb	121	1	He	96.163243	0.7	1468673.673
Ba	138	1	He	112.203193	1.0	4278787.747
Pt	195	1	He	20.057939	0.6	284755.953
Hg	202	1	He	0.022534	10.9	236.677
Tl	205	1	He	104.627508	0.2	5425706.377
Pb	206	1	He	107.689750	0.8	1896441.220
Pb	207	1	He	108.317607	2.0	1593431.383
Pb	208	1	He	107.878746	1.0	7493250.463
Bi	209	1	He	107.085840	1.0	5853298.663
Th	232	1	He	103.470258	0.4	8063824.673
U	238	1	He	99.399222	0.5	7923190.297

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.62305795	1012950.770
Sc	45	2	H2	93.55673521	6270333.000
Ge	72	1	He	92.46408715	626112.667
Ge	72	2	H2	94.17115274	1708126.750
In	115	1	He	91.37017358	6660331.467
Tb	159	1	He	94.42048903	15288772.690
Ir	193	1	He	93.51417354	7310210.517

Sample Name	10607926001_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	167SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:11:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.035279	20.8	90.000
Be	9	2	H2	0.036847	11.5	29.333
B	11	2	H2	-0.722398		2390.217
Na	23	1	He	4.196848	2.8	24421.160
Mg	24	1	He	0.768032	8.7	4122.157
Al	27	1	He	3.289916	6.9	2054.113
Si	28	2	H2	1.504405	18.0	18300.443
K	39	1	He	8.376074	5.3	136614.867
Ca	43	1	He	9.303129	9.9	53.370
Ca	44	1	He	9.997820	11.6	955.783
Ti	47	1	He	0.103174	28.0	54.667
V	51	1	He	0.037031	212.0	-1249.590
Cr	52	1	He	0.339364	5.2	5341.470
Mn	55	1	He	0.012581	26.1	1036.033
Fe	56	1	He	2.884312	0.8	53803.503
Co	59	1	He	0.008153	15.3	266.667
Ni	60	1	He	-0.081064		428.010
Cu	63	1	He	0.068596	10.5	1193.380
Zn	66	1	He	1.100208	4.3	3151.623
As	75	1	He	-0.018887		217.833
Se	78	2	H2	0.010973	75.9	29.333
Sr	88	1	He	0.018820	17.5	578.347
Mo	95	1	He	0.020237	13.4	186.667
Pd	105	1	He	0.005945	62.0	106.667
Ag	107	1	He	0.224770	18.3	6309.563
Cd	111	1	He	0.011650	20.3	56.610
Sn	118	1	He	0.049077	11.6	761.690
Sb	121	1	He	0.010424	27.6	256.673
Ba	138	1	He	0.030987	22.4	1365.070
Pt	195	1	He	0.010324	53.7	240.007
Hg	202	1	He	0.004915	14.7	113.333
Tl	205	1	He	0.024563	20.4	2065.157
Pb	206	1	He	0.019403	22.2	445.010
Pb	207	1	He	0.015633	29.2	1201.723
Pb	208	1	He	0.019672	8.4	2668.443
Bi	209	1	He	0.011108	48.5	2210.207
Th	232	1	He	0.016782	10.6	1411.747
U	238	1	He	0.006016	17.6	586.683

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.61953969	1012912.293
Sc	45	2	H2	92.87266092	6224485.167
Ge	72	1	He	91.29772278	618214.730
Ge	72	2	H2	94.52877772	1714613.543
In	115	1	He	94.18278459	6865353.750
Tb	159	1	He	96.65709306	15650928.520
Ir	193	1	He	96.95553883	7579229.680

Sample Name	10608170001_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	168SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:15:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	7.791491	2.1	5259.067
Be	9	2	H2	0.026175	14.9	20.333
B	11	2	H2	178.102511	1.4	109116.313
Na	23	1	He	962531.6100	1.4	1793160399.95
Mg	24	1	He	34074.93431	0.8	35267401.973
Al	27	1	He	36.965199	3.2	20969.943
Si	28	2	H2	8531.109206	0.8	33007590.000
K	39	1	He	368441.3475	0.4	568023591.533
Ca	43	1	He	115297.8303	0.7	545724.850
Ca	44	1	He	116967.2401	0.8	9271383.657
Ti	47	1	He	1.125160	11.2	576.013
V	51	1	He	0.276484	13.9	1600.937
Cr	52	1	He	1.178346	1.8	17481.103
Mn	55	1	He	223.526594	1.0	2427499.833
Fe	56	1	He	3632.743668	1.6	47733894.667
Co	59	1	He	0.711194	0.8	13956.100
Ni	60	1	He	2.425858	1.8	12360.263
Cu	63	1	He	4.538255	1.6	56068.940
Zn	66	1	He	21.473329	2.1	54599.300
As	75	1	He	3.368676	1.9	7235.133
Se	78	2	H2	1.102438	0.8	1144.040
Sr	88	1	He	225.472988	0.6	3801351.403
Mo	95	1	He	41.179280	1.8	316209.747
Pd	105	1	He	0.037793	17.5	436.680
Ag	107	1	He	0.152369	20.3	4040.523
Cd	111	1	He	0.027270	66.9	113.473
Sn	118	1	He	0.173240	4.4	2008.470
Sb	121	1	He	0.255132	0.6	3650.420
Ba	138	1	He	62.208405	0.6	2179173.143
Pt	195	1	He	0.009899	28.1	210.010
Hg	202	1	He	0.012763	29.0	153.340
Tl	205	1	He	0.074656	9.3	4237.283
Pb	206	1	He	0.310169	0.6	5102.533
Pb	207	1	He	0.279180	5.1	4639.050
Pb	208	1	He	0.294218	0.7	19909.917
Bi	209	1	He	0.005933	41.2	1723.457
Th	232	1	He	0.030549	3.4	2071.820
U	238	1	He	1.139996	1.6	77375.427

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.06152646	1028682.250
Sc	45	2	H2	83.68997809	5609046.000
Ge	72	1	He	86.68090360	586952.333
Ge	72	2	H2	87.18258760	1581364.417
In	115	1	He	83.66503232	6098673.403
Tb	159	1	He	86.72843569	14043258.540
Ir	193	1	He	79.55460038	6218959.697

Sample Name	10608170001_B70204Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	169SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:19:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.499338	8.4	443.010
Be	9	2	H2	0.013730	22.0	15.000
B	11	2	H2	9.569844	9.8	9419.203
Na	23	1	He	49619.06046	1.3	96215415.230
Mg	24	1	He	1774.845768	1.4	1914901.950
Al	27	1	He	2.942463	6.4	1967.110
Si	28	2	H2	481.367892	6.3	2124688.417
K	39	1	He	18886.17827	0.8	30421886.213
Ca	43	1	He	5863.167586	1.4	28887.473
Ca	44	1	He	6020.284731	1.1	496726.283
Ti	47	1	He	0.073254	15.3	42.000
V	51	1	He	0.031505	164.2	-1388.690
Cr	52	1	He	0.087321	6.3	1874.767
Mn	55	1	He	11.628380	0.9	132317.503
Fe	56	1	He	193.587291	1.1	2663959.583
Co	59	1	He	0.031712	7.1	778.020
Ni	60	1	He	0.020841	62.9	975.367
Cu	63	1	He	0.315592	4.6	4556.597
Zn	66	1	He	1.189709	3.3	3518.357
As	75	1	He	0.153567	4.5	617.177
Se	78	2	H2	0.047759	3.1	71.333
Sr	88	1	He	10.704011	1.9	206550.883
Mo	95	1	He	1.995481	1.3	16771.513
Pd	105	1	He	0.004175	97.0	86.667
Ag	107	1	He	0.001899	277.5	938.370
Cd	111	1	He	0.003230	94.6	18.300
Sn	118	1	He	0.108051	10.4	1496.747
Sb	121	1	He	0.013829	20.8	315.010
Ba	138	1	He	3.066312	0.6	121033.173
Pt	195	1	He	0.001963	33.4	120.000
Hg	202	1	He	0.012429	19.2	170.003
Tl	205	1	He	-0.003909		558.353
Pb	206	1	He	0.017065	8.5	406.677
Pb	207	1	He	0.008033	68.6	1098.383
Pb	208	1	He	0.015337	14.8	2383.430
Bi	209	1	He	-0.001772		1503.433
Th	232	1	He	0.004174	74.5	380.023
U	238	1	He	0.055161	8.1	4479.020

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.87020589	1070334.997
Sc	45	2	H2	94.86139940	6357773.833
Ge	72	1	He	94.71745974	641371.187
Ge	72	2	H2	96.26495230	1746105.207
In	115	1	He	95.65989239	6973025.950
Tb	159	1	He	97.60290222	15804076.013
Ir	193	1	He	93.41193667	7302218.433

Sample Name	10608381001_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	170SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:22:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	9.132707	3.1	6578.647
Be	9	2	H2	0.019244	49.2	17.667
B	11	2	H2	58.338570	3.3	40060.080
Na	23	1	He	44028.79845	1.4	80660662.133
Mg	24	1	He	9942.628914	1.5	10119163.393
Al	27	1	He	41.739693	1.0	23239.217
Si	28	2	H2	8363.637469	5.3	34619846.667
K	39	1	He	1798.282816	1.1	2848547.563
Ca	43	1	He	71694.42345	1.0	333616.290
Ca	44	1	He	72347.98603	1.2	5637726.867
Ti	47	1	He	0.972286	4.8	488.677
V	51	1	He	0.232005	52.4	1058.063
Cr	52	1	He	1.016550	3.4	14896.130
Mn	55	1	He	16.770975	1.0	179895.260
Fe	56	1	He	119.984833	2.3	1566030.210
Co	59	1	He	0.264512	1.4	5357.483
Ni	60	1	He	0.626870	3.8	3861.100
Cu	63	1	He	3.804691	0.4	48035.093
Zn	66	1	He	361.598885	0.5	935340.293
As	75	1	He	0.269447	7.0	822.020
Se	78	2	H2	0.300988	2.6	332.667
Sr	88	1	He	419.759948	0.6	7725984.467
Mo	95	1	He	0.433031	3.5	3417.037
Pd	105	1	He	0.059280	17.5	730.030
Ag	107	1	He	-0.001192		823.360
Cd	111	1	He	0.027876	18.3	127.307
Sn	118	1	He	0.089665	10.2	1213.387
Sb	121	1	He	0.889905	3.9	13675.577
Ba	138	1	He	20.102960	0.7	763931.030
Pt	195	1	He	0.009092	73.5	216.673
Hg	202	1	He	0.011410	24.6	156.670
Tl	205	1	He	-0.000775		700.023
Pb	206	1	He	0.301447	2.4	5380.967
Pb	207	1	He	0.265500	3.3	4830.770
Pb	208	1	He	0.286898	1.3	21088.857
Bi	209	1	He	0.004259	77.0	1776.813
Th	232	1	He	0.008662	17.8	716.690
U	238	1	He	0.233983	5.1	18390.923

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.46744609	1011248.957
Sc	45	2	H2	89.38716132	5990881.000
Ge	72	1	He	88.47641716	599110.500
Ge	72	2	H2	89.55296481	1624359.587
In	115	1	He	91.33589807	6657832.990
Tb	159	1	He	94.06971354	15231974.353
Ir	193	1	He	91.81044865	7177026.560

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	171_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:26:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.886856	5.6	55474.130
Be	9	2	H2	76.986770	5.2	47321.077
B	11	2	H2	74.751531	5.1	51046.880
Na	23	1	He	2022.289890	1.6	3684745.050
Mg	24	1	He	1987.701047	1.7	2006105.857
Al	27	1	He	1972.203986	1.2	1076492.627
Si	28	2	H2	966.099710	5.6	4046136.500
K	39	1	He	2042.320917	1.1	3187176.823
Ca	43	1	He	2003.227134	1.3	9241.250
Ca	44	1	He	1987.711371	1.3	153564.307
Ti	47	1	He	76.541640	1.0	37869.180
V	51	1	He	80.838604	1.1	944468.110
Cr	52	1	He	81.449213	0.8	1140053.000
Mn	55	1	He	82.382490	1.6	871621.167
Fe	56	1	He	1021.101110	1.7	13076619.333
Co	59	1	He	82.292261	1.8	1686568.623
Ni	60	1	He	82.771298	0.7	416036.803
Cu	63	1	He	84.322422	1.2	1090348.917
Zn	66	1	He	80.377901	0.6	214383.550
As	75	1	He	78.172099	1.1	170873.580
Se	78	2	H2	76.452402	1.4	81412.217
Sr	88	1	He	75.189799	1.4	1395776.180
Mo	95	1	He	80.161936	1.4	647508.923
Pd	105	1	He	77.951851	0.7	923496.547
Ag	107	1	He	39.182347	2.6	925854.123
Cd	111	1	He	77.449909	0.3	348071.303
Sn	118	1	He	77.031302	0.6	909088.970
Sb	121	1	He	73.925639	0.5	1138194.930
Ba	138	1	He	79.941332	1.4	3056053.290
Pt	195	1	He	78.106678	0.7	1111154.490
Hg	202	1	He	3.530242	2.5	25400.633
Tl	205	1	He	39.346397	0.3	2045701.220
Pb	206	1	He	79.354643	1.1	1400853.313
Pb	207	1	He	83.134029	0.7	1226259.617
Pb	208	1	He	80.930222	0.6	5635453.820
Bi	209	1	He	83.452677	0.3	4573035.243
Th	232	1	He	78.750988	1.2	6092980.117
U	238	1	He	75.417935	1.6	5968463.037

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.56998531	1001434.083
Sc	45	2	H2	90.28881186	6051311.167
Ge	72	1	He	91.15912250	617276.210
Ge	72	2	H2	90.70391903	1645236.210
In	115	1	He	92.10318619	6713763.640
Tb	159	1	He	94.64366719	15324910.187
Ir	193	1	He	92.83937875	7257460.310

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	172_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:29:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.055899	25.6	104.667
Be	9	2	H2	0.022495	45.4	20.167
B	11	2	H2	-0.837490		2300.190
Na	23	1	He	22.009821	6.1	56490.680
Mg	24	1	He	-2.305748		978.367
Al	27	1	He	0.299692	22.7	398.670
Si	28	2	H2	0.345879	34.4	13249.300
K	39	1	He	12.075113	9.0	140710.700
Ca	43	1	He	1.744860	27.6	17.963
Ca	44	1	He	2.325155	48.7	353.023
Ti	47	1	He	0.011294	88.7	8.667
V	51	1	He	-0.026497		-1976.190
Cr	52	1	He	-0.003599		482.010
Mn	55	1	He	-0.057632		282.000
Fe	56	1	He	0.026047	62.9	16645.000
Co	59	1	He	0.001943	8.5	138.000
Ni	60	1	He	-0.134007		160.667
Cu	63	1	He	0.037686	7.0	787.353
Zn	66	1	He	0.010411	92.1	242.000
As	75	1	He	-0.009038		237.500
Se	78	2	H2	0.007303	57.9	25.000
Sr	88	1	He	0.011432	8.5	436.677
Mo	95	1	He	0.009009	6.5	95.000
Pd	105	1	He	0.007901	78.5	130.003
Ag	107	1	He	0.218088	22.7	6122.837
Cd	111	1	He	0.006221	43.5	31.637
Sn	118	1	He	0.024664	32.0	465.010
Sb	121	1	He	0.005914	9.8	185.000
Ba	138	1	He	0.014244	7.9	701.687
Pt	195	1	He	0.005868	41.4	173.337
Hg	202	1	He	0.020795	14.6	226.677
Tl	205	1	He	0.042707	25.8	2986.983
Pb	206	1	He	0.003438	22.6	155.000
Pb	207	1	He	-0.003099		908.367
Pb	208	1	He	0.003349	52.0	1488.377
Bi	209	1	He	0.006205	64.1	1910.160
Th	232	1	He	0.009369	7.7	793.367
U	238	1	He	0.004462	30.1	446.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.63700451	1002167.023
Sc	45	2	H2	92.55048674	6202892.500
Ge	72	1	He	90.58606941	613395.830
Ge	72	2	H2	93.74086238	1700321.913
In	115	1	He	93.82158567	6839024.540
Tb	159	1	He	95.42866098	15452018.103
Ir	193	1	He	94.52804335	7389466.970

Sample Name	4319206_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	173SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:33:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.061640	21.4	109.167
Be	9	2	H2	0.034208	29.8	27.500
B	11	2	H2	-0.751141		2356.860
Na	23	1	He	24.432807	4.0	60812.350
Mg	24	1	He	3.226379	11.1	6547.880
Al	27	1	He	7.205051	1.0	4164.483
Si	28	2	H2	1.548423	16.2	18435.243
K	39	1	He	10.336889	23.6	137917.930
Ca	43	1	He	17.202092	8.0	89.130
Ca	44	1	He	17.219167	4.3	1501.613
Ti	47	1	He	0.089608	30.2	47.333
V	51	1	He	-0.002526		-1697.753
Cr	52	1	He	0.840635	1.3	12285.503
Mn	55	1	He	0.035223	42.6	1262.717
Fe	56	1	He	7.170284	1.4	107947.923
Co	59	1	He	0.017484	2.8	448.677
Ni	60	1	He	-0.049328		575.343
Cu	63	1	He	0.636634	1.3	8372.643
Zn	66	1	He	0.886206	2.9	2528.187
As	75	1	He	-0.009019		234.500
Se	78	2	H2	0.013588	35.5	31.667
Sr	88	1	He	0.044027	4.6	1050.040
Mo	95	1	He	0.046171	14.9	388.343
Pd	105	1	He	0.004632	95.4	90.003
Ag	107	1	He	0.044769	20.1	1945.130
Cd	111	1	He	0.014605	52.2	69.883
Sn	118	1	He	0.113338	10.2	1526.750
Sb	121	1	He	0.012120	25.5	281.673
Ba	138	1	He	0.045085	10.3	1895.127
Pt	195	1	He	0.007480	77.2	196.670
Hg	202	1	He	0.011929	34.6	163.333
Tl	205	1	He	0.010072	14.0	1281.733
Pb	206	1	He	0.174105	3.6	3202.020
Pb	207	1	He	0.174868	6.3	3563.763
Pb	208	1	He	0.181509	2.6	14034.187
Bi	209	1	He	0.082754	6.7	6154.653
Th	232	1	He	0.008514	3.0	735.027
U	238	1	He	0.003666	27.4	386.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.51296008	1000810.440
Sc	45	2	H2	92.64206900	6209030.500
Ge	72	1	He	89.43017849	605568.813
Ge	72	2	H2	92.98888636	1686682.170
In	115	1	He	93.57690789	6821189.013
Tb	159	1	He	95.70424602	15496641.437
Ir	193	1	He	95.71564555	7482304.470

Sample Name	4319207_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	174SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:37:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	104.570711	5.8	73132.043
Be	9	2	H2	105.636723	5.3	62956.803
B	11	2	H2	99.798169	6.0	65180.833
Na	23	1	He	2200.072037	1.0	3868836.297
Mg	24	1	He	2108.560234	0.7	2054388.927
Al	27	1	He	2091.128081	0.4	1101980.210
Si	28	2	H2	532.761014	6.0	2168279.123
K	39	1	He	2159.443613	1.5	3246723.390
Ca	43	1	He	2121.529598	0.8	9448.113
Ca	44	1	He	2115.066708	1.2	157749.107
Ti	47	1	He	99.545894	0.8	47549.000
V	51	1	He	107.905233	0.9	1217714.363
Cr	52	1	He	108.159589	1.1	1461408.997
Mn	55	1	He	107.839369	0.3	1101325.337
Fe	56	1	He	2172.070559	1.0	26838494.000
Co	59	1	He	109.595081	1.7	2182232.250
Ni	60	1	He	110.033204	0.3	537077.000
Cu	63	1	He	110.620269	0.2	1389689.293
Zn	66	1	He	108.741497	0.2	281718.530
As	75	1	He	104.641939	0.7	222147.157
Se	78	2	H2	104.718576	2.0	109132.223
Sr	88	1	He	101.279846	1.4	1810987.630
Mo	95	1	He	106.959201	1.2	839405.220
Pd	105	1	He	21.014053	0.8	239860.270
Ag	107	1	He	47.476076	3.0	1080610.243
Cd	111	1	He	103.052677	1.0	446138.690
Sn	118	1	He	101.186260	0.5	1150331.443
Sb	121	1	He	100.595823	0.8	1491985.547
Ba	138	1	He	104.062025	0.2	3906543.690
Pt	195	1	He	20.775652	0.4	290308.153
Hg	202	1	He	0.012156	30.7	160.003
Tl	205	1	He	107.645576	0.2	5494834.707
Pb	206	1	He	107.973311	0.7	1871791.900
Pb	207	1	He	107.978519	1.1	1563821.433
Pb	208	1	He	107.718840	0.5	7365618.797
Bi	209	1	He	109.001088	1.2	5865118.663
Th	232	1	He	106.436729	0.8	8174500.087
U	238	1	He	101.063936	1.4	7939360.713

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.40583885	966830.123
Sc	45	2	H2	87.54398760	5867348.333
Ge	72	1	He	88.56724949	599725.563
Ge	72	2	H2	88.76909261	1610141.293
In	115	1	He	88.72749559	6467696.270
Tb	159	1	He	92.94211442	15049391.030
Ir	193	1	He	92.15705516	7204121.560

Sample Name	10607493001_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	175SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:40:38
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	60.157676	1.2	39615.847
Be	9	2	H2	0.089809	7.3	55.667
B	11	2	H2	163.290115	4.2	98833.673
Na	23	1	He	93500.64344	1.1	162658347.577
Mg	24	1	He	95079.51952	2.0	91864628.633
Al	27	1	He	1107.698555	1.4	579890.060
Si	28	2	H2	14378.82588	5.8	54860330.667
K	39	1	He	5599.625970	2.0	8174666.753
Ca	43	1	He	220520.5532	1.5	974459.817
Ca	44	1	He	221956.7094	2.2	16423822.170
Ti	47	1	He	30.248670	1.1	14355.677
V	51	1	He	11.576769	2.0	128333.713
Cr	52	1	He	9.062268	1.8	122085.897
Mn	55	1	He	22.295463	0.8	226845.543
Fe	56	1	He	983.857224	1.7	12082780.333
Co	59	1	He	0.512175	1.4	9726.643
Ni	60	1	He	1.385720	4.5	7145.430
Cu	63	1	He	2.071463	1.9	24863.150
Zn	66	1	He	12.351334	2.2	30406.350
As	75	1	He	3.690681	1.3	7632.130
Se	78	2	H2	3.666015	3.9	3618.043
Sr	88	1	He	2874.873103	0.6	48119874.283
Mo	95	1	He	0.988606	2.5	7351.620
Pd	105	1	He	0.448697	2.9	4824.117
Ag	107	1	He	0.263677	23.5	6384.603
Cd	111	1	He	0.035364	25.5	146.127
Sn	118	1	He	0.380859	2.4	4202.220
Sb	121	1	He	0.082113	4.8	1221.723
Ba	138	1	He	166.658385	1.1	6004041.997
Pt	195	1	He	0.016651	15.0	306.677
Hg	202	1	He	0.007691	11.6	123.333
Tl	205	1	He	0.037252	17.8	2525.227
Pb	206	1	He	1.190914	2.4	19899.113
Pb	207	1	He	1.169842	3.3	17140.977
Pb	208	1	He	1.170523	2.2	77967.450
Bi	209	1	He	0.027289	11.6	2873.670
Th	232	1	He	0.201256	3.6	14264.950
U	238	1	He	2.986449	1.0	215830.777

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	87.81949512	960417.710
Sc	45	2	H2	82.40542431	5522953.000
Ge	72	1	He	83.69185558	566712.250
Ge	72	2	H2	83.70790639	1518338.790
In	115	1	He	83.06297748	6054787.257
Tb	159	1	He	89.19776208	14443097.287
Ir	193	1	He	84.75313563	6625340.737

Sample Name	4322684_B70174Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	176SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:44:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	12.727854	3.9	8794.050
Be	9	2	H2	0.029868	12.9	23.000
B	11	2	H2	34.197608	5.3	23678.770
Na	23	1	He	18963.39359	1.4	32864672.847
Mg	24	1	He	19586.35418	0.8	18849352.220
Al	27	1	He	225.910989	1.5	117953.000
Si	28	2	H2	3098.018343	6.4	12335198.667
K	39	1	He	1138.973315	1.8	1749061.067
Ca	43	1	He	44581.46990	1.2	196189.297
Ca	44	1	He	45063.84160	1.6	3321087.740
Ti	47	1	He	6.220417	4.0	2941.587
V	51	1	He	2.340760	4.6	24566.070
Cr	52	1	He	1.888438	1.6	25736.890
Mn	55	1	He	4.547683	1.8	46750.673
Fe	56	1	He	204.507096	0.7	2513525.500
Co	59	1	He	0.102223	2.5	2068.127
Ni	60	1	He	0.176737	12.0	1621.410
Cu	63	1	He	0.437591	2.4	5619.563
Zn	66	1	He	2.583616	2.9	6691.933
As	75	1	He	0.727739	4.3	1740.917
Se	78	2	H2	0.693465	3.3	729.353
Sr	88	1	He	556.409757	1.4	9783477.560
Mo	95	1	He	0.202961	2.2	1566.753
Pd	105	1	He	0.086794	15.2	1006.720
Ag	107	1	He	0.045707	9.1	1835.117
Cd	111	1	He	0.005874	50.7	27.863
Sn	118	1	He	0.164455	7.6	1995.137
Sb	121	1	He	0.014814	22.7	301.670
Ba	138	1	He	32.759231	0.8	1214931.517
Pt	195	1	He	0.003477	127.7	133.337
Hg	202	1	He	0.004302	22.5	103.333
Tl	205	1	He	0.000062	4615.2	726.690
Pb	206	1	He	0.241459	4.2	4223.940
Pb	207	1	He	0.235401	0.6	4283.950
Pb	208	1	He	0.239044	3.0	17348.743
Bi	209	1	He	0.007370	7.1	1900.143
Th	232	1	He	0.039584	4.8	2993.650
U	238	1	He	0.576852	0.3	43926.650

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	87.44344522	956305.127
Sc	45	2	H2	85.96354713	5761424.500
Ge	72	1	He	85.92193220	581813.023
Ge	72	2	H2	87.62754489	1589435.290
In	115	1	He	87.25792673	6360573.613
Tb	159	1	He	91.81500415	14866886.863
Ir	193	1	He	89.16701439	6970383.437

Sample Name	4319208_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	177SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:47:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	155.593966	1.3	101315.963
Be	9	2	H2	98.435313	2.2	54661.297
B	11	2	H2	251.083766	3.6	149061.993
Na	23	1	He	95186.22832	0.9	162363957.580
Mg	24	1	He	96873.39284	1.1	91782398.630
Al	27	1	He	3448.359035	1.3	1769635.790
Si	28	2	H2	15075.23786	5.8	56947948.000
K	39	1	He	7785.186805	0.4	11099906.497
Ca	43	1	He	223164.2439	0.9	966958.700
Ca	44	1	He	222263.2634	0.9	16127569.600
Ti	47	1	He	136.200262	0.4	63360.117
V	51	1	He	120.746608	0.8	1327264.727
Cr	52	1	He	116.499247	1.1	1533001.623
Mn	55	1	He	127.116527	0.5	1264177.377
Fe	56	1	He	3175.985052	1.1	38212094.667
Co	59	1	He	107.090507	1.8	2007457.837
Ni	60	1	He	105.533256	1.8	484953.020
Cu	63	1	He	105.618320	1.2	1249130.087
Zn	66	1	He	114.107581	1.3	278285.877
As	75	1	He	109.798759	1.3	219430.753
Se	78	2	H2	103.312372	1.5	100840.413
Sr	88	1	He	2977.268881	0.3	48946675.937
Mo	95	1	He	111.681884	1.5	825128.217
Pd	105	1	He	20.155862	0.5	211532.607
Ag	107	1	He	46.464624	2.4	972445.323
Cd	111	1	He	101.513708	1.0	404108.233
Sn	118	1	He	104.644295	0.4	1093856.183
Sb	121	1	He	102.193552	0.5	1393672.793
Ba	138	1	He	277.627002	1.2	9873640.270
Pt	195	1	He	20.167347	0.7	266986.403
Hg	202	1	He	0.021398	44.7	213.340
Tl	205	1	He	102.936337	1.8	4977936.907
Pb	206	1	He	103.346108	1.9	1697266.487
Pb	207	1	He	104.310737	1.3	1431257.947
Pb	208	1	He	103.204634	1.2	6685688.027
Bi	209	1	He	100.391197	1.1	5117797.840
Th	232	1	He	108.717551	0.6	7663975.510
U	238	1	He	107.100928	2.0	7722359.050

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.09952814	941607.687
Sc	45	2	H2	81.55097738	5465686.500
Ge	72	1	He	83.38481141	564633.127
Ge	72	2	H2	83.12358192	1507740.000
In	115	1	He	81.58301786	5946907.177
Tb	159	1	He	88.05477744	14258022.707
Ir	193	1	He	84.58973040	6612566.987

Sample Name	4319209_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	178SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:51:21
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	161.092189	2.0	103769.863
Be	9	2	H2	100.961677	3.3	55453.857
B	11	2	H2	270.089725	4.5	158361.953
Na	23	1	He	97427.87051	0.4	166439860.853
Mg	24	1	He	98876.18078	0.5	93822768.603
Al	27	1	He	3337.016855	0.7	1715110.543
Si	28	2	H2	15561.26762	5.5	58098076.000
K	39	1	He	7817.770637	0.7	11162622.747
Ca	43	1	He	227608.3418	0.1	987717.130
Ca	44	1	He	227609.0852	0.9	16540313.200
Ti	47	1	He	130.937985	0.7	61003.493
V	51	1	He	119.755988	1.4	1318362.513
Cr	52	1	He	115.229109	0.4	1518599.670
Mn	55	1	He	126.040348	0.4	1255386.170
Fe	56	1	He	3071.518760	0.9	37011625.333
Co	59	1	He	106.440205	1.0	1992678.877
Ni	60	1	He	105.260085	0.4	483077.783
Cu	63	1	He	104.368422	0.7	1232693.250
Zn	66	1	He	111.205716	0.2	270862.873
As	75	1	He	109.141331	0.4	217830.160
Se	78	2	H2	106.828273	1.7	102543.097
Sr	88	1	He	3063.521292	1.1	49809340.927
Mo	95	1	He	111.761285	0.4	824631.340
Pd	105	1	He	20.581700	1.4	213624.943
Ag	107	1	He	46.654362	2.2	965631.757
Cd	111	1	He	102.323211	0.7	402847.540
Sn	118	1	He	104.723705	1.1	1082617.743
Sb	121	1	He	103.028351	0.1	1389622.373
Ba	138	1	He	272.528597	0.4	9602682.773
Pt	195	1	He	20.185507	1.6	264749.477
Hg	202	1	He	0.018701	19.7	193.337
Tl	205	1	He	103.140455	0.9	4941694.927
Pb	206	1	He	103.739767	0.9	1687978.670
Pb	207	1	He	103.801970	1.0	1411038.053
Pb	208	1	He	103.192622	0.7	6622850.627
Bi	209	1	He	100.869801	1.2	5094324.193
Th	232	1	He	109.390502	1.0	7597943.430
U	238	1	He	107.652782	1.2	7648269.887

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.22947647	943028.837
Sc	45	2	H2	80.68595179	5407711.000
Ge	72	1	He	83.26882728	563847.750
Ge	72	2	H2	81.75978894	1483002.793
In	115	1	He	80.68678444	5881577.197
Tb	159	1	He	87.23725259	14125647.290
Ir	193	1	He	83.34873378	6515555.527

Sample Name	10607493002_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	179SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:54:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	57.066515	0.6	35722.920
Be	9	2	H2	0.048238	18.1	30.833
B	11	2	H2	1287.936413	2.4	723997.957
Na	23	1	He	360999.9938	0.5	611353190.887
Mg	24	1	He	102779.3357	1.2	96683588.560
Al	27	1	He	4.764581	3.8	2646.527
Si	28	2	H2	15347.94703	4.3	55627293.333
K	39	1	He	6098.081915	1.1	8657110.497
Ca	43	1	He	274237.4728	2.1	1179746.667
Ca	44	1	He	274893.8518	1.7	19804079.543
Ti	47	1	He	0.169904	13.8	81.333
V	51	1	He	10.382451	0.3	111890.030
Cr	52	1	He	21.627621	1.2	282969.083
Mn	55	1	He	0.880909	1.2	9524.530
Fe	56	1	He	7.773608	1.1	108041.977
Co	59	1	He	0.080926	4.6	1531.407
Ni	60	1	He	0.595074	1.6	3328.320
Cu	63	1	He	0.183835	3.2	2337.497
Zn	66	1	He	4.596085	2.9	10859.980
As	75	1	He	4.152169	1.8	8123.683
Se	78	2	H2	5.060609	2.1	4750.640
Sr	88	1	He	3773.605514	1.1	60683055.760
Mo	95	1	He	0.955544	1.9	6748.020
Pd	105	1	He	0.570285	4.9	5884.477
Ag	107	1	He	0.266770	21.4	6196.203
Cd	111	1	He	0.010325	64.7	42.977
Sn	118	1	He	0.097626	2.7	1141.717
Sb	121	1	He	0.032716	11.9	515.013
Ba	138	1	He	35.727798	0.1	1238619.720
Pt	195	1	He	0.006982	60.3	170.003
Hg	202	1	He	0.022815	55.5	216.673
Tl	205	1	He	0.025445	20.5	1873.457
Pb	206	1	He	0.017732	20.3	368.343
Pb	207	1	He	0.013211	41.8	1035.043
Pb	208	1	He	0.017228	13.3	2215.083
Bi	209	1	He	0.006766	55.3	1746.803
Th	232	1	He	0.023700	7.6	1638.443
U	238	1	He	5.828990	1.1	400435.227

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	85.48704418	934909.397
Sc	45	2	H2	78.35563746	5251529.333
Ge	72	1	He	79.45359491	538013.230
Ge	72	2	H2	79.72171548	1446035.127
In	115	1	He	79.80492483	5817294.980
Tb	159	1	He	85.82530645	13897021.873
Ir	193	1	He	80.57802187	6298962.827

Sample Name	10607493003_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	180SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:58:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	56.644288	1.0	35963.380
Be	9	2	H2	0.033112	12.6	23.000
B	11	2	H2	1087.893995	2.2	620730.963
Na	23	1	He	360462.4982	1.9	621070990.747
Mg	24	1	He	97414.68990	1.1	93240681.943
Al	27	1	He	14.832352	3.4	7913.037
Si	28	2	H2	14309.51328	4.1	52621754.667
K	39	1	He	5995.510467	1.6	8662170.500
Ca	43	1	He	253891.1613	1.1	1111361.243
Ca	44	1	He	257474.5007	1.5	18873016.543
Ti	47	1	He	0.230979	16.4	111.333
V	51	1	He	10.107394	1.8	110796.053
Cr	52	1	He	11.536791	1.3	153819.433
Mn	55	1	He	215.514987	1.2	2164604.833
Fe	56	1	He	13.027245	0.9	173776.233
Co	59	1	He	0.493625	2.9	9077.650
Ni	60	1	He	2.827311	1.9	13343.617
Cu	63	1	He	0.309937	1.5	3831.753
Zn	66	1	He	3.589127	2.0	8690.127
As	75	1	He	3.788055	2.7	7576.443
Se	78	2	H2	3.821025	2.6	3607.037
Sr	88	1	He	3452.814081	1.0	56167827.497
Mo	95	1	He	1.892831	2.2	13605.447
Pd	105	1	He	0.522757	0.8	5457.643
Ag	107	1	He	0.076052	17.1	2325.177
Cd	111	1	He	0.012671	46.4	52.587
Sn	118	1	He	0.147786	11.3	1673.430
Sb	121	1	He	0.039945	7.8	618.350
Ba	138	1	He	39.177148	1.1	1371757.637
Pt	195	1	He	0.010159	8.5	213.340
Hg	202	1	He	0.018367	0.4	190.010
Tl	205	1	He	0.005673	67.2	951.703
Pb	206	1	He	0.035135	10.9	653.353
Pb	207	1	He	0.022566	44.5	1171.723
Pb	208	1	He	0.032252	3.6	3195.153
Bi	209	1	He	0.007968	73.9	1823.483
Th	232	1	He	0.011407	25.1	825.033
U	238	1	He	10.406509	0.4	725204.470

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.98562611	951298.293
Sc	45	2	H2	79.47867643	5326797.333
Ge	72	1	He	81.01039321	548554.957
Ge	72	2	H2	80.08190150	1452568.373
In	115	1	He	80.72946783	5884688.557
Tb	159	1	He	86.68242079	14035807.707
Ir	193	1	He	81.74589724	6390258.237

Sample Name	10607493004_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	181SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:02:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	59.428566	0.1	37468.927
Be	9	2	H2	0.054174	26.7	34.167
B	11	2	H2	1132.263548	3.0	641408.310
Na	23	1	He	371731.9659	0.7	637322883.837
Mg	24	1	He	100844.7456	1.4	96039018.567
Al	27	1	He	4.321194	1.9	2450.833
Si	28	2	H2	15026.93650	4.6	54855833.333
K	39	1	He	6146.955372	0.6	8833927.577
Ca	43	1	He	261363.0400	0.2	1138352.023
Ca	44	1	He	262702.4807	0.8	19160411.420
Ti	47	1	He	0.149257	42.2	72.667
V	51	1	He	10.136922	1.7	110560.503
Cr	52	1	He	11.727123	0.5	155570.353
Mn	55	1	He	224.073673	1.0	2239310.583
Fe	56	1	He	11.176044	0.6	150514.313
Co	59	1	He	0.505740	3.1	9319.767
Ni	60	1	He	2.836018	1.1	13415.010
Cu	63	1	He	0.239462	7.4	3030.930
Zn	66	1	He	2.950575	1.7	7194.800
As	75	1	He	3.866856	0.7	7748.680
Se	78	2	H2	3.997865	3.4	3760.403
Sr	88	1	He	3571.078136	1.1	57998980.800
Mo	95	1	He	1.444185	0.8	10411.527
Pd	105	1	He	0.516542	1.8	5384.270
Ag	107	1	He	0.046015	5.0	1701.767
Cd	111	1	He	0.031138	22.1	125.213
Sn	118	1	He	0.150455	4.4	1698.437
Sb	121	1	He	0.040769	8.7	628.353
Ba	138	1	He	40.498683	0.3	1412571.697
Pt	195	1	He	0.011509	34.9	230.007
Hg	202	1	He	0.023569	9.7	223.343
Tl	205	1	He	0.004089	30.7	873.367
Pb	206	1	He	0.026388	17.2	510.013
Pb	207	1	He	0.024416	29.9	1191.723
Pb	208	1	He	0.028333	12.2	2933.463
Bi	209	1	He	0.016246	27.0	2230.213
Th	232	1	He	0.013193	5.1	943.370
U	238	1	He	10.652895	1.0	739918.453

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.54490424	946478.440
Sc	45	2	H2	78.92139438	5289447.333
Ge	72	1	He	81.20637048	549882.000
Ge	72	2	H2	79.82097708	1447835.587
In	115	1	He	80.59902451	5875180.030
Tb	159	1	He	86.34878575	13981784.790
Ir	193	1	He	81.47398164	6369001.990

Sample Name	10607493005_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	182SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:05:47
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	45.259031	0.8	28968.930
Be	9	2	H2	0.032194	19.0	22.667
B	11	2	H2	1148.506739	2.3	660165.760
Na	23	1	He	330888.3929	1.5	567630244.873
Mg	24	1	He	91507.04617	2.0	87196668.700
Al	27	1	He	14.081450	1.2	7489.517
Si	28	2	H2	14705.96605	4.5	54487246.667
K	39	1	He	5179.883399	1.1	7466802.597
Ca	43	1	He	259424.8479	1.2	1130568.393
Ca	44	1	He	260685.2520	1.5	19024647.260
Ti	47	1	He	0.199152	15.5	96.000
V	51	1	He	6.581844	8.8	71246.387
Cr	52	1	He	116.596723	1.5	1543134.460
Mn	55	1	He	0.235678	1.4	3198.967
Fe	56	1	He	14.954947	0.7	196326.930
Co	59	1	He	0.099692	5.5	1897.443
Ni	60	1	He	1.201058	1.9	6077.043
Cu	63	1	He	0.253882	4.3	3178.297
Zn	66	1	He	1.921717	1.9	4727.303
As	75	1	He	3.886275	1.8	7743.513
Se	78	2	H2	5.508641	3.3	5235.113
Sr	88	1	He	3190.967425	0.6	52226402.553
Mo	95	1	He	0.980315	3.1	7034.817
Pd	105	1	He	0.467791	6.7	4917.450
Ag	107	1	He	0.031684	14.1	1416.737
Cd	111	1	He	0.032032	29.4	129.557
Sn	118	1	He	0.162816	4.2	1840.120
Sb	121	1	He	0.041020	5.9	636.687
Ba	138	1	He	37.780489	1.0	1312462.297
Pt	195	1	He	0.008234	52.4	186.670
Hg	202	1	He	0.012957	16.5	153.333
Tl	205	1	He	0.005410	37.5	931.700
Pb	206	1	He	0.052712	4.5	930.037
Pb	207	1	He	0.048783	22.1	1513.420
Pb	208	1	He	0.052837	5.4	4471.940
Bi	209	1	He	0.026761	18.4	2743.623
Th	232	1	He	0.015590	2.6	1093.387
U	238	1	He	8.409359	0.8	577370.953

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.59989313	947079.813
Sc	45	2	H2	80.08284130	5367289.500
Ge	72	1	He	80.76282111	546878.543
Ge	72	2	H2	80.71959100	1464135.127
In	115	1	He	81.21908959	5920379.013
Tb	159	1	He	86.00324942	13925834.790
Ir	193	1	He	80.53429893	6295544.907

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	183_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:09:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	78.610044	6.5	53113.043
Be	9	2	H2	77.855331	6.3	44814.847
B	11	2	H2	87.470830	7.7	55509.867
Na	23	1	He	2123.732772	2.2	3625418.487
Mg	24	1	He	2027.319834	1.6	1917281.797
Al	27	1	He	1970.596402	1.4	1007925.087
Si	28	2	H2	964.331957	7.0	3781887.500
K	39	1	He	2021.540758	1.7	2957413.390
Ca	43	1	He	1999.385088	2.0	8642.740
Ca	44	1	He	1969.155285	2.9	142556.207
Ti	47	1	He	75.513959	1.7	35008.830
V	51	1	He	80.405265	1.6	880297.897
Cr	52	1	He	81.298297	2.0	1066312.520
Mn	55	1	He	82.636605	1.1	819305.540
Fe	56	1	He	1022.304742	2.3	12268490.000
Co	59	1	He	82.351711	2.0	1582124.960
Ni	60	1	He	82.171935	1.6	387149.520
Cu	63	1	He	84.184698	1.3	1020392.123
Zn	66	1	He	80.557095	1.0	201400.467
As	75	1	He	77.456253	1.3	158707.423
Se	78	2	H2	75.828622	1.7	75748.893
Sr	88	1	He	75.660503	1.0	1311318.313
Mo	95	1	He	80.934947	0.9	612799.143
Pd	105	1	He	78.941695	0.3	873144.310
Ag	107	1	He	39.494487	2.5	871198.190
Cd	111	1	He	77.562910	0.6	325443.897
Sn	118	1	He	77.387320	1.0	852719.467
Sb	121	1	He	74.346626	0.9	1068746.103
Ba	138	1	He	78.016651	0.9	2839461.210
Pt	195	1	He	78.303737	1.6	1060532.170
Hg	202	1	He	3.678452	3.8	25193.420
Tl	205	1	He	39.896537	0.3	1974841.223
Pb	206	1	He	80.247427	1.4	1348656.597
Pb	207	1	He	83.575557	0.8	1173640.737
Pb	208	1	He	81.418597	0.9	5397597.290
Bi	209	1	He	83.159208	1.4	4338441.707
Th	232	1	He	78.370465	2.0	5829233.663
U	238	1	He	76.352328	2.7	5808931.163

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	85.80391029	938374.730
Sc	45	2	H2	84.53795448	5665878.833
Ge	72	1	He	85.44474190	578581.770
Ge	72	2	H2	85.08691817	1543352.043
In	115	1	He	85.99005535	6268153.480
Tb	159	1	He	90.10525037	14590039.780
Ir	193	1	He	89.25519048	6977276.357

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	184_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:12:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.078484	5.2	116.167
Be	9	2	H2	0.025983	16.9	21.333
B	11	2	H2	6.993436	12.1	7151.510
Na	23	1	He	53.627384	3.1	109013.800
Mg	24	1	He	0.500494	65.8	3645.403
Al	27	1	He	0.275353	12.3	369.000
Si	28	2	H2	0.883729	81.6	14807.747
K	39	1	He	12.997785	13.2	136013.917
Ca	43	1	He	7.730237	28.0	43.613
Ca	44	1	He	7.718260	26.5	737.063
Ti	47	1	He	0.012119	72.2	8.667
V	51	1	He	-0.045931		-2112.697
Cr	52	1	He	0.005486	15.2	583.343
Mn	55	1	He	-0.061075		235.333
Fe	56	1	He	0.008526	74.7	15717.500
Co	59	1	He	0.001170	117.3	116.000
Ni	60	1	He	-0.131895		162.667
Cu	63	1	He	0.016794	17.6	492.677
Zn	66	1	He	0.006031	209.6	218.667
As	75	1	He	0.005607	110.4	255.667
Se	78	2	H2	0.006051	40.2	22.333
Sr	88	1	He	0.079274	5.5	1643.423
Mo	95	1	He	0.011158	28.1	106.667
Pd	105	1	He	0.014465	35.7	200.007
Ag	107	1	He	0.224224	9.0	5987.747
Cd	111	1	He	0.003498	114.1	18.300
Sn	118	1	He	0.028348	25.7	486.677
Sb	121	1	He	0.004362	63.2	153.333
Ba	138	1	He	0.014722	22.4	701.690
Pt	195	1	He	0.006170	63.3	173.337
Hg	202	1	He	0.013072	115.7	166.670
Tl	205	1	He	0.038240	19.6	2685.260
Pb	206	1	He	0.003654	33.2	155.000
Pb	207	1	He	0.002148	240.4	961.710
Pb	208	1	He	0.003159	39.3	1438.383
Bi	209	1	He	0.007027	21.8	1906.820
Th	232	1	He	0.008724	30.2	730.027
U	238	1	He	0.003431	4.9	356.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	87.70660593	959183.123
Sc	45	2	H2	88.39070321	5924096.667
Ge	72	1	He	86.00840748	582398.583
Ge	72	2	H2	88.84063220	1611438.917
In	115	1	He	89.67736904	6536936.283
Tb	159	1	He	93.04675571	15066334.777
Ir	193	1	He	92.86656501	7259585.520

Sample Name	10607493007_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	185SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:16:32
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	59.318496	1.9	37690.637
Be	9	2	H2	0.061053	4.2	38.167
B	11	2	H2	246.028001	4.9	142447.897
Na	23	1	He	77143.27973	0.7	127055001.440
Mg	24	1	He	87515.60211	1.1	80058250.473
Al	27	1	He	256.578181	1.3	127331.463
Si	28	2	H2	14310.49469	6.4	52689053.333
K	39	1	He	9174.048020	0.8	12609322.727
Ca	43	1	He	200645.3436	0.6	839431.683
Ca	44	1	He	202221.6863	1.1	14167390.527
Ti	47	1	He	6.178285	2.2	2777.560
V	51	1	He	8.730423	1.7	91258.700
Cr	52	1	He	7.302625	1.1	93235.470
Mn	55	1	He	17.377914	0.1	167567.853
Fe	56	1	He	212.406011	1.5	2481258.333
Co	59	1	He	0.179175	4.8	3288.983
Ni	60	1	He	0.590753	1.3	3312.980
Cu	63	1	He	0.716377	2.5	8344.623
Zn	66	1	He	6.500953	0.9	15299.200
As	75	1	He	3.250528	1.6	6414.657
Se	78	2	H2	4.259430	3.1	4020.460
Sr	88	1	He	2412.797792	1.6	39160083.583
Mo	95	1	He	0.696848	0.8	4930.737
Pd	105	1	He	0.376911	4.0	3933.867
Ag	107	1	He	0.082191	9.1	2446.860
Cd	111	1	He	0.024391	21.1	98.520
Sn	118	1	He	0.311650	3.3	3360.360
Sb	121	1	He	0.067287	4.1	985.040
Ba	138	1	He	90.027274	1.0	3139043.807
Pt	195	1	He	0.014052	35.1	263.343
Hg	202	1	He	0.028257	76.7	253.343
Tl	205	1	He	0.021344	21.1	1690.107
Pb	206	1	He	0.256468	2.1	4213.927
Pb	207	1	He	0.250610	7.0	4233.927
Pb	208	1	He	0.254038	0.7	17265.370
Bi	209	1	He	0.019709	12.8	2403.563
Th	232	1	He	0.038111	7.4	2693.590
U	238	1	He	6.791166	0.6	482072.520

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.13202856	909154.310
Sc	45	2	H2	79.48645501	5327318.667
Ge	72	1	He	79.52726883	538512.107
Ge	72	2	H2	80.10717918	1453026.873
In	115	1	He	80.54636050	5871341.143
Tb	159	1	He	86.32942717	13978650.207
Ir	193	1	He	83.26257253	6508820.110

Sample Name	10607493008_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	186SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:20:09
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	61.315485	3.8	41813.867
Be	9	2	H2	0.051923	1.6	35.667
B	11	2	H2	97.901823	2.8	62347.333
Na	23	1	He	30924.21841	0.7	52979825.877
Mg	24	1	He	10563.73528	0.6	10053293.393
Al	27	1	He	313.239060	0.4	161624.077
Si	28	2	H2	2292.714299	5.8	9063032.833
K	39	1	He	5846.709047	0.4	8399735.917
Ca	43	1	He	56511.42629	0.6	245890.733
Ca	44	1	He	57628.56277	1.0	4199152.020
Ti	47	1	He	8.428242	1.3	3939.770
V	51	1	He	2.887035	5.2	30326.067
Cr	52	1	He	2.479767	1.1	33260.380
Mn	55	1	He	13.100481	0.8	131583.840
Fe	56	1	He	296.018287	0.7	3590422.000
Co	59	1	He	0.204670	2.9	3951.113
Ni	60	1	He	0.749633	0.5	4228.513
Cu	63	1	He	3.259152	0.9	39058.870
Zn	66	1	He	23.884609	0.5	58769.720
As	75	1	He	0.559325	0.8	1361.717
Se	78	2	H2	0.791478	1.2	811.687
Sr	88	1	He	1870.024849	0.5	32565598.683
Mo	95	1	He	3.759310	2.5	27964.120
Pd	105	1	He	0.287190	6.6	3223.707
Ag	107	1	He	0.034825	4.1	1576.753
Cd	111	1	He	0.279150	2.8	1180.000
Sn	118	1	He	0.421086	4.3	4817.387
Sb	121	1	He	0.688001	3.1	10023.033
Ba	138	1	He	463.158899	0.2	17116260.993
Pt	195	1	He	0.010287	30.2	226.677
Hg	202	1	He	0.018255	27.1	200.007
Tl	205	1	He	0.016699	10.8	1558.423
Pb	206	1	He	0.599842	6.1	10323.420
Pb	207	1	He	0.604882	4.5	9536.270
Pb	208	1	He	0.605728	1.3	41968.413
Bi	209	1	He	0.056639	20.4	4504.100
Th	232	1	He	0.058037	4.8	4383.980
U	238	1	He	0.727749	1.4	55645.307

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.45899897	945538.957
Sc	45	2	H2	85.28928558	5716234.333
Ge	72	1	He	83.89837914	568110.707
Ge	72	2	H2	85.69344216	1554353.500
In	115	1	He	86.41816276	6299359.913
Tb	159	1	He	91.49734644	14815451.030
Ir	193	1	He	89.56851577	7001769.690

Sample Name	10607493012_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	187SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:23:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	54.180835	1.9	33809.770
Be	9	2	H2	0.023967	9.0	17.833
B	11	2	H2	1173.607008	2.5	658096.773
Na	23	1	He	368497.7434	0.5	620603764.087
Mg	24	1	He	101582.2507	0.5	95033185.250
Al	27	1	He	24.837298	1.4	12802.750
Si	28	2	H2	14780.85115	3.8	53436461.333
K	39	1	He	6281.551984	0.7	8865107.573
Ca	43	1	He	270187.8802	1.2	1156010.170
Ca	44	1	He	270633.6246	0.4	19390231.500
Ti	47	1	He	0.189811	12.1	90.000
V	51	1	He	9.469870	3.3	101348.137
Cr	52	1	He	31.586955	0.5	410782.583
Mn	55	1	He	0.975973	1.0	10405.013
Fe	56	1	He	10.672632	0.7	141877.603
Co	59	1	He	0.141271	5.2	2601.530
Ni	60	1	He	4.090293	1.0	18558.233
Cu	63	1	He	0.874341	1.4	10090.853
Zn	66	1	He	17.592775	2.4	40923.770
As	75	1	He	3.827447	1.1	7485.737
Se	78	2	H2	5.235182	3.0	4856.003
Sr	88	1	He	3473.386326	0.7	55417934.177
Mo	95	1	He	0.928501	2.0	6537.957
Pd	105	1	He	0.501330	1.5	5134.227
Ag	107	1	He	0.036970	12.2	1488.413
Cd	111	1	He	0.035048	3.3	138.040
Sn	118	1	He	0.089145	3.9	1046.710
Sb	121	1	He	0.038322	18.7	585.013
Ba	138	1	He	40.428177	1.4	1379560.343
Pt	195	1	He	0.005598	28.0	150.000
Hg	202	1	He	0.006625	23.4	110.000
Tl	205	1	He	0.007122	4.1	995.043
Pb	206	1	He	0.131620	9.0	2156.827
Pb	207	1	He	0.110367	4.0	2296.860
Pb	208	1	He	0.121064	1.1	8632.603
Bi	209	1	He	0.016411	17.8	2190.197
Th	232	1	He	0.010777	10.2	755.027
U	238	1	He	9.749798	0.6	656157.897

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	85.01424617	929738.750
Sc	45	2	H2	78.12971069	5236387.333
Ge	72	1	He	79.23477948	536531.540
Ge	72	2	H2	78.81994530	1429678.337
In	115	1	He	79.17397467	5771302.540
Tb	159	1	He	84.47857688	13678956.467
Ir	193	1	He	78.94436659	6171256.367

Sample Name	10607493013_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	188SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:27:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	54.481462	1.1	34385.450
Be	9	2	H2	0.029218	5.6	20.833
B	11	2	H2	1193.471453	2.1	676412.853
Na	23	1	He	373931.3523	0.4	634765363.873
Mg	24	1	He	103310.3043	0.5	97416321.880
Al	27	1	He	82.005374	0.3	42099.123
Si	28	2	H2	14978.35424	4.6	54727730.667
K	39	1	He	6389.535002	1.5	9086890.907
Ca	43	1	He	277676.0720	1.0	1197425.880
Ca	44	1	He	274301.5670	1.4	19808684.403
Ti	47	1	He	0.278761	30.0	132.000
V	51	1	He	9.775289	1.5	105504.643
Cr	52	1	He	31.414656	0.7	411787.657
Mn	55	1	He	16.712003	1.0	166131.347
Fe	56	1	He	825.207074	1.7	9892242.000
Co	59	1	He	0.144489	3.7	2657.537
Ni	60	1	He	2.372783	2.0	11058.760
Cu	63	1	He	0.564164	0.8	6597.890
Zn	66	1	He	3.564973	1.9	8435.337
As	75	1	He	3.953914	1.3	7718.000
Se	78	2	H2	5.306468	3.1	4962.363
Sr	88	1	He	3500.127122	1.5	56418715.827
Mo	95	1	He	0.971066	4.3	6829.743
Pd	105	1	He	0.564298	4.4	5834.437
Ag	107	1	He	0.022804	16.0	1213.390
Cd	111	1	He	0.015031	18.4	61.287
Sn	118	1	He	0.133332	6.0	1510.087
Sb	121	1	He	0.040239	5.5	616.687
Ba	138	1	He	41.904750	2.3	1445711.070
Pt	195	1	He	0.005467	98.5	150.003
Hg	202	1	He	0.021357	53.9	206.673
Tl	205	1	He	-0.002744		543.350
Pb	206	1	He	0.058770	7.5	1020.043
Pb	207	1	He	0.058214	10.6	1628.437
Pb	208	1	He	0.060519	5.5	4923.663
Bi	209	1	He	0.011666	9.2	1980.163
Th	232	1	He	0.009023	17.5	643.357
U	238	1	He	10.339023	2.2	699644.547

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	85.69101927	937140.123
Sc	45	2	H2	78.97745830	5293204.833
Ge	72	1	He	79.15433740	535986.833
Ge	72	2	H2	79.44141905	1440950.960
In	115	1	He	79.99391436	5831071.170
Tb	159	1	He	85.41566783	13830692.290
Ir	193	1	He	79.37934102	6205259.283

Sample Name	10607493014_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	189SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:30:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	55.931084	0.7	34166.387
Be	9	2	H2	0.020003	12.1	15.333
B	11	2	H2	1224.648485	1.3	671817.283
Na	23	1	He	371916.0226	0.2	614242324.180
Mg	24	1	He	102740.8727	0.3	94255931.927
Al	27	1	He	16.762323	1.4	8542.307
Si	28	2	H2	15224.37446	3.5	53857600.000
K	39	1	He	6308.572322	0.3	8730577.370
Ca	43	1	He	270879.5156	0.7	1136480.600
Ca	44	1	He	273989.8228	0.1	19250640.387
Ti	47	1	He	0.243873	13.1	112.667
V	51	1	He	9.296601	3.5	97560.157
Cr	52	1	He	32.786186	0.2	418105.170
Mn	55	1	He	1.361760	2.3	13916.690
Fe	56	1	He	19.996223	0.4	247709.407
Co	59	1	He	0.164881	3.5	2948.253
Ni	60	1	He	5.674866	1.8	24830.387
Cu	63	1	He	1.306570	0.7	14573.263
Zn	66	1	He	18.532838	1.0	42029.017
As	75	1	He	3.855202	1.7	7349.513
Se	78	2	H2	5.421587	0.5	4892.017
Sr	88	1	He	3506.316996	1.6	54545764.190
Mo	95	1	He	0.992642	5.6	6814.717
Pd	105	1	He	0.550385	4.5	5494.330
Ag	107	1	He	0.011818	4.6	953.370
Cd	111	1	He	0.019551	33.7	76.290
Sn	118	1	He	0.362281	1.9	3722.103
Sb	121	1	He	0.033511	19.9	508.347
Ba	138	1	He	41.346933	1.5	1384194.040
Pt	195	1	He	0.014936	42.2	263.343
Hg	202	1	He	0.017045	11.5	173.340
Tl	205	1	He	-0.003487		493.343
Pb	206	1	He	0.174489	2.6	2778.607
Pb	207	1	He	0.174296	0.9	3078.663
Pb	208	1	He	0.169811	0.5	11441.630
Bi	209	1	He	0.006506	27.2	1673.460
Th	232	1	He	0.005703	0.8	413.343
U	238	1	He	9.825919	0.9	648818.770

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.36935841	911749.813
Sc	45	2	H2	76.47151184	5125252.000
Ge	72	1	He	77.25279135	523110.677
Ge	72	2	H2	76.64276874	1390187.543
In	115	1	He	77.20149273	5627520.570
Tb	159	1	He	82.88182232	13420406.467
Ir	193	1	He	77.45420059	6054766.783

Sample Name	10607493015_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	190SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:34:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	70.100857	1.3	43201.830
Be	9	2	H2	0.013049	20.5	11.833
B	11	2	H2	259.482753	3.8	145576.437
Na	23	1	He	130128.0647	0.5	213700663.480
Mg	24	1	He	112709.8587	1.2	102811301.803
Al	27	1	He	7.262668	0.5	3800.730
Si	28	2	H2	12345.88145	5.6	44085550.667
K	39	1	He	5894.965969	0.6	8118915.920
Ca	43	1	He	257762.1561	0.1	1075307.357
Ca	44	1	He	260716.4983	0.6	18213563.607
Ti	47	1	He	0.246913	13.8	113.333
V	51	1	He	9.027986	1.5	94148.300
Cr	52	1	He	27.650734	0.6	350685.207
Mn	55	1	He	1.497412	0.6	15135.007
Fe	56	1	He	1102.817912	1.2	12784373.667
Co	59	1	He	0.286088	2.2	5100.743
Ni	60	1	He	7.633271	1.4	33473.000
Cu	63	1	He	0.481950	2.7	5591.557
Zn	66	1	He	30.088152	0.6	68772.227
As	75	1	He	3.966375	1.1	7627.463
Se	78	2	H2	4.839858	1.3	4412.557
Sr	88	1	He	3682.731382	1.1	58124235.800
Mo	95	1	He	0.992770	4.4	6879.747
Pd	105	1	He	0.567814	10.1	5747.740
Ag	107	1	He	-0.004057		648.350
Cd	111	1	He	0.004433	111.5	19.603
Sn	118	1	He	0.043263	11.4	575.020
Sb	121	1	He	0.028998	9.1	456.677
Ba	138	1	He	103.850322	0.4	3514253.073
Pt	195	1	He	0.008611	19.4	186.673
Hg	202	1	He	0.013060	63.5	150.003
Tl	205	1	He	-0.007914		295.007
Pb	206	1	He	0.015103	24.5	318.340
Pb	207	1	He	0.009745	128.5	965.040
Pb	208	1	He	0.014464	18.3	1991.733
Bi	209	1	He	-0.001163		1320.087
Th	232	1	He	0.003375	31.5	270.007
U	238	1	He	5.080122	0.5	344333.313

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.89430857	906554.540
Sc	45	2	H2	77.13788043	5169913.167
Ge	72	1	He	77.98689940	528081.627
Ge	72	2	H2	77.41745442	1404239.207
In	115	1	He	78.32418755	5709358.213
Tb	159	1	He	83.77942936	13565748.967
Ir	193	1	He	79.50082224	6214755.740

Sample Name	4319210_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	191SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:38:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	164.608590	0.9	103554.530
Be	9	2	H2	97.439049	1.3	52263.263
B	11	2	H2	326.145977	4.3	186382.070
Na	23	1	He	126461.0478	0.8	210564996.867
Mg	24	1	He	109668.5468	1.0	101424441.823
Al	27	1	He	2102.817489	0.7	1053491.477
Si	28	2	H2	10764.05902	6.4	39287904.000
K	39	1	He	7804.402518	0.6	10861862.340
Ca	43	1	He	251168.4146	0.7	1062347.827
Ca	44	1	He	251479.4596	0.5	17812771.140
Ti	47	1	He	101.829068	2.0	46235.720
V	51	1	He	117.352098	1.3	1259083.683
Cr	52	1	He	132.790440	1.4	1705528.500
Mn	55	1	He	106.198937	1.3	1031035.707
Fe	56	1	He	3109.693436	1.5	36520485.333
Co	59	1	He	107.428147	1.4	1929732.623
Ni	60	1	He	111.661238	0.5	491694.940
Cu	63	1	He	103.574210	0.9	1173836.710
Zn	66	1	He	129.878557	0.5	303513.313
As	75	1	He	112.228560	0.3	214929.207
Se	78	2	H2	111.881043	0.4	104199.330
Sr	88	1	He	3655.133679	0.9	58179364.133
Mo	95	1	He	112.564206	1.2	796915.850
Pd	105	1	He	20.241701	0.6	205681.360
Ag	107	1	He	41.706630	4.2	845178.660
Cd	111	1	He	100.892921	0.8	388859.773
Sn	118	1	He	104.104486	0.6	1053617.903
Sb	121	1	He	103.432770	1.0	1365713.937
Ba	138	1	He	205.514166	1.3	6985230.523
Pt	195	1	He	20.209770	1.0	255709.217
Hg	202	1	He	0.019757	18.3	193.340
Tl	205	1	He	102.937624	0.7	4757690.970
Pb	206	1	He	102.601444	0.7	1610475.027
Pb	207	1	He	102.502370	0.7	1344187.950
Pb	208	1	He	101.701513	0.8	6296639.490
Bi	209	1	He	99.729554	1.7	4858890.550
Th	232	1	He	110.037366	1.1	7387063.430
U	238	1	He	109.222061	1.5	7499911.557

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	84.05111340	919205.670
Sc	45	2	H2	78.80589699	5281706.500
Ge	72	1	He	79.90274085	541054.583
Ge	72	2	H2	79.32291683	1438801.503
In	115	1	He	78.99056472	5757933.067
Tb	159	1	He	84.15597337	13626719.800
Ir	193	1	He	80.55611772	6297250.530

Sample Name	10607493016_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	192SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:41:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	65.851158	1.6	40187.713
Be	9	2	H2	0.041916	22.9	26.833
B	11	2	H2	252.187795	4.3	140175.427
Na	23	1	He	123851.1924	1.2	202900063.643
Mg	24	1	He	106591.1369	1.6	96995688.553
Al	27	1	He	10.373217	1.1	5324.437
Si	28	2	H2	11304.96057	6.1	39976277.333
K	39	1	He	5679.103582	1.1	7806673.220
Ca	43	1	He	250745.9725	0.7	1043490.033
Ca	44	1	He	252823.9169	1.3	17619373.450
Ti	47	1	He	0.205684	13.9	94.667
V	51	1	He	7.538671	2.3	78178.003
Cr	52	1	He	12.674599	0.4	160613.827
Mn	55	1	He	5.645808	1.9	54696.140
Fe	56	1	He	65.716987	1.0	773821.393
Co	59	1	He	0.265562	3.0	4743.310
Ni	60	1	He	1.050210	3.9	5222.773
Cu	63	1	He	0.609091	0.8	7000.720
Zn	66	1	He	3.124353	2.2	7310.180
As	75	1	He	3.218940	0.3	6235.087
Se	78	2	H2	4.543163	0.9	4113.817
Sr	88	1	He	3529.795691	1.1	55905574.167
Mo	95	1	He	1.090367	7.1	7558.377
Pd	105	1	He	0.522493	3.8	5310.927
Ag	107	1	He	0.294893	21.8	6673.030
Cd	111	1	He	0.064781	12.0	251.070
Sn	118	1	He	0.227131	4.6	2428.533
Sb	121	1	He	0.054765	8.2	796.693
Ba	138	1	He	98.197670	0.3	3333320.263
Pt	195	1	He	0.007770	15.2	176.670
Hg	202	1	He	0.009869	97.3	130.003
Tl	205	1	He	0.053915	25.1	3148.683
Pb	206	1	He	0.536406	1.5	8490.677
Pb	207	1	He	0.525944	4.4	7723.617
Pb	208	1	He	0.542116	0.6	34616.667
Bi	209	1	He	0.030354	6.0	2856.980
Th	232	1	He	0.030279	12.9	2031.823
U	238	1	He	4.117238	1.8	276294.737

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.69146457	904336.183
Sc	45	2	H2	76.37304127	5118652.333
Ge	72	1	He	78.02599463	528346.357
Ge	72	2	H2	76.87337795	1394370.457
In	115	1	He	78.59615138	5729182.727
Tb	159	1	He	84.04053985	13608028.550
Ir	193	1	He	78.71229881	6153115.113

Sample Name	10607493017_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	193SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:45:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	67.671343	1.3	40698.833
Be	9	2	H2	0.034986	23.6	22.667
B	11	2	H2	259.309691	4.0	142003.293
Na	23	1	He	127220.6269	0.5	203347330.303
Mg	24	1	He	108962.3052	1.2	96738238.560
Al	27	1	He	51.944920	0.7	25184.683
Si	28	2	H2	11707.36911	5.4	40803497.333
K	39	1	He	5834.682020	0.5	7822461.340
Ca	43	1	He	251997.7859	0.7	1023181.933
Ca	44	1	He	254595.3152	1.1	17311030.153
Ti	47	1	He	2.160696	18.1	944.057
V	51	1	He	7.855136	3.3	79530.047
Cr	52	1	He	21.686897	0.8	267800.147
Mn	55	1	He	10.359769	0.5	97267.020
Fe	56	1	He	652.733951	0.7	7370734.500
Co	59	1	He	0.219330	0.9	3851.757
Ni	60	1	He	7.986926	1.7	34285.843
Cu	63	1	He	606.147159	2.1	6568455.500
Zn	66	1	He	747.124633	1.6	1668940.663
As	75	1	He	3.464353	1.3	6555.533
Se	78	2	H2	4.664643	1.5	4161.160
Sr	88	1	He	3615.582090	1.1	56027994.167
Mo	95	1	He	1.268526	3.7	8612.197
Pd	105	1	He	0.578504	7.3	5751.107
Ag	107	1	He	0.108580	4.6	2856.940
Cd	111	1	He	0.149237	10.6	562.430
Sn	118	1	He	0.395035	3.9	4030.517
Sb	121	1	He	0.085792	15.1	1178.387
Ba	138	1	He	109.956517	0.9	3659676.720
Pt	195	1	He	0.008319	73.4	180.003
Hg	202	1	He	0.013470	31.9	150.003
Tl	205	1	He	0.015106	18.3	1331.737
Pb	206	1	He	20.199628	1.0	310530.530
Pb	207	1	He	21.165475	1.2	272441.957
Pb	208	1	He	20.594187	1.4	1249403.053
Bi	209	1	He	0.025086	3.2	2550.253
Th	232	1	He	0.027147	2.1	1818.457
U	238	1	He	4.497849	1.4	300463.570

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.68157638	882355.503
Sc	45	2	H2	75.26804620	5044593.667
Ge	72	1	He	76.42419491	517499.907
Ge	72	2	H2	75.74559724	1373914.167
In	115	1	He	76.90077704	5605600.220
Tb	159	1	He	82.40269302	13342824.800
Ir	193	1	He	78.35156486	6124915.740

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	194_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:48:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.686888	6.7	49827.783
Be	9	2	H2	75.644671	6.0	41873.597
B	11	2	H2	82.139062	5.9	50264.800
Na	23	1	He	2093.791796	1.6	3381799.117
Mg	24	1	He	2043.484374	1.9	1828346.117
Al	27	1	He	1982.690918	1.6	959453.813
Si	28	2	H2	966.548492	7.0	3645412.333
K	39	1	He	2045.549890	1.3	2829954.750
Ca	43	1	He	2032.272415	2.3	8311.250
Ca	44	1	He	1999.121862	2.3	136920.300
Ti	47	1	He	77.668803	2.3	34068.447
V	51	1	He	81.205110	0.9	841159.700
Cr	52	1	He	81.391546	1.4	1009992.460
Mn	55	1	He	82.923346	1.0	777848.517
Fe	56	1	He	1029.681835	1.8	11690705.333
Co	59	1	He	82.790756	1.1	1500609.710
Ni	60	1	He	82.820338	1.2	368143.887
Cu	63	1	He	84.766568	1.6	969323.457
Zn	66	1	He	81.099486	1.1	191289.300
As	75	1	He	78.054737	1.4	150885.817
Se	78	2	H2	76.144327	2.2	72731.413
Sr	88	1	He	76.417759	1.2	1264121.123
Mo	95	1	He	81.495774	2.0	582146.397
Pd	105	1	He	78.565882	0.5	829416.447
Ag	107	1	He	39.543309	2.8	832600.717
Cd	111	1	He	77.733427	0.4	311310.163
Sn	118	1	He	77.342094	0.9	813363.737
Sb	121	1	He	74.706219	0.7	1024954.670
Ba	138	1	He	79.389185	1.2	2756256.833
Pt	195	1	He	78.499785	0.7	1014263.553
Hg	202	1	He	3.571715	1.1	23340.723
Tl	205	1	He	39.981879	0.4	1887953.723
Pb	206	1	He	80.526072	1.2	1291029.307
Pb	207	1	He	84.170707	1.4	1127548.163
Pb	208	1	He	82.160684	1.6	5195779.927
Bi	209	1	He	84.667530	1.9	4213521.603
Th	232	1	He	79.021019	1.0	5584610.337
U	238	1	He	76.702504	0.3	5544631.793

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	81.18348577	887844.520
Sc	45	2	H2	81.29994432	5448861.833
Ge	72	1	He	80.61810393	545898.603
Ge	72	2	H2	81.36589458	1475858.127
In	115	1	He	82.07467920	5982746.307
Tb	159	1	He	85.95941407	13918736.873
Ir	193	1	He	84.80099202	6629081.777

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	195_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:52:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.106668	11.0	128.333
Be	9	2	H2	0.020864	29.9	17.167
B	11	2	H2	7.318557	14.2	6938.140
Na	23	1	He	41.606868	5.6	80930.130
Mg	24	1	He	-0.164879		2753.570
Al	27	1	He	0.375892	33.0	386.007
Si	28	2	H2	4.784051	28.0	28909.050
K	39	1	He	21.790553	24.5	136487.577
Ca	43	1	He	3.279062	23.1	21.943
Ca	44	1	He	3.449049	45.1	384.660
Ti	47	1	He	0.007373	101.9	6.000
V	51	1	He	-0.002374		-1507.960
Cr	52	1	He	0.004517	69.5	523.343
Mn	55	1	He	-0.064162		187.333
Fe	56	1	He	0.080941	127.9	15234.427
Co	59	1	He	0.002188	101.7	124.000
Ni	60	1	He	-0.136502		129.333
Cu	63	1	He	0.025834	13.4	555.343
Zn	66	1	He	0.005785	82.0	200.667
As	75	1	He	0.027690	51.2	276.333
Se	78	2	H2	0.012756	62.2	27.667
Sr	88	1	He	0.039984	13.1	855.030
Mo	95	1	He	0.013043	24.2	111.667
Pd	105	1	He	0.014770	31.4	186.670
Ag	107	1	He	0.254523	18.6	6116.153
Cd	111	1	He	0.002209	137.9	11.633
Sn	118	1	He	0.036946	16.2	540.017
Sb	121	1	He	0.008634	39.4	200.000
Ba	138	1	He	0.014571	13.0	638.353
Pt	195	1	He	0.005168	30.9	146.667
Hg	202	1	He	0.032979	38.3	280.010
Tl	205	1	He	0.044388	22.8	2745.270
Pb	206	1	He	0.004845	55.9	161.667
Pb	207	1	He	0.007100	114.2	946.700
Pb	208	1	He	0.004854	36.2	1425.043
Bi	209	1	He	0.007667	34.5	1783.467
Th	232	1	He	0.011361	9.8	856.700
U	238	1	He	0.004063	33.0	371.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.66294358	882151.730
Sc	45	2	H2	83.30807452	5583450.167
Ge	72	1	He	79.10730439	535668.353
Ge	72	2	H2	83.75324486	1519161.163
In	115	1	He	82.39513572	6006105.643
Tb	159	1	He	85.45971421	13837824.377
Ir	193	1	He	85.41466911	6677054.277

Sample Name	4319217_B70178Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	196SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:56:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.091075	8.0	118.500
Be	9	2	H2	0.029121	3.8	22.000
B	11	2	H2	6.439898	17.5	6444.587
Na	23	1	He	51.884420	1.7	99904.980
Mg	24	1	He	2.711176	2.4	5447.517
Al	27	1	He	10.131886	2.1	5204.740
Si	28	2	H2	6.195222	11.9	34586.053
K	39	1	He	20.822190	8.5	138811.660
Ca	43	1	He	22.684133	11.4	103.313
Ca	44	1	He	22.933469	12.0	1754.447
Ti	47	1	He	0.090857	45.5	43.333
V	51	1	He	0.014168	362.2	-1356.747
Cr	52	1	He	0.200797	4.0	3016.930
Mn	55	1	He	0.025073	6.9	1044.030
Fe	56	1	He	3.623145	1.5	56560.553
Co	59	1	He	0.007950	5.9	230.667
Ni	60	1	He	-0.092276		326.670
Cu	63	1	He	0.744904	2.9	8748.150
Zn	66	1	He	1.892998	2.3	4631.280
As	75	1	He	0.021426	32.7	269.000
Se	78	2	H2	0.005939	86.2	21.000
Sr	88	1	He	0.057112	11.2	1186.717
Mo	95	1	He	0.027642	15.1	216.667
Pd	105	1	He	0.001385	77.3	46.667
Ag	107	1	He	0.064288	11.5	2210.163
Cd	111	1	He	0.013661	46.3	59.933
Sn	118	1	He	0.149846	4.4	1798.443
Sb	121	1	He	0.010995	25.3	241.670
Ba	138	1	He	0.693154	0.2	24664.763
Pt	195	1	He	0.007466	41.6	180.003
Hg	202	1	He	0.014046	5.9	163.333
Tl	205	1	He	0.006348	48.3	995.040
Pb	206	1	He	0.038177	12.4	710.023
Pb	207	1	He	0.041853	12.6	1446.750
Pb	208	1	He	0.038208	9.0	3611.853
Bi	209	1	He	0.015743	21.0	2236.870
Th	232	1	He	0.007116	16.1	573.350
U	238	1	He	0.003372	32.7	333.340

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.67792248	904188.083
Sc	45	2	H2	83.71631533	5610811.167
Ge	72	1	He	80.26787578	543527.063
Ge	72	2	H2	83.72671074	1518679.873
In	115	1	He	85.65063164	6243411.550
Tb	159	1	He	87.59888462	14184203.540
Ir	193	1	He	88.04959911	6883032.603

Sample Name	4319218_B70178Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	197SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:59:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	103.758462	5.0	66337.437
Be	9	2	H2	104.616594	4.5	56992.423
B	11	2	H2	108.763915	7.9	64776.250
Na	23	1	He	2220.906934	2.3	3559953.177
Mg	24	1	He	2149.150943	2.5	1908648.307
Al	27	1	He	2118.835241	1.9	1017834.893
Si	28	2	H2	533.893881	5.5	1986678.960
K	39	1	He	2197.887466	2.2	3010395.060
Ca	43	1	He	2156.273518	3.8	8752.680
Ca	44	1	He	2097.613437	2.0	142617.580
Ti	47	1	He	100.451095	3.0	43736.237
V	51	1	He	109.065204	2.1	1121991.377
Cr	52	1	He	109.504893	2.3	1348728.787
Mn	55	1	He	108.785551	1.6	1012751.897
Fe	56	1	He	2195.127527	2.3	24724422.000
Co	59	1	He	110.946093	2.3	2003288.710
Ni	60	1	He	111.319009	1.8	492707.313
Cu	63	1	He	111.622025	0.9	1271623.877
Zn	66	1	He	108.357448	1.4	254566.370
As	75	1	He	104.766062	1.0	201691.103
Se	78	2	H2	103.463329	1.2	97871.960
Sr	88	1	He	101.793228	1.5	1677142.893
Mo	95	1	He	107.904612	1.3	767920.537
Pd	105	1	He	20.666933	0.5	217346.807
Ag	107	1	He	47.586139	2.4	997952.013
Cd	111	1	He	103.254121	0.7	411891.733
Sn	118	1	He	101.551322	0.9	1063749.747
Sb	121	1	He	99.685007	0.7	1362281.807
Ba	138	1	He	105.675404	2.1	3651237.443
Pt	195	1	He	21.012554	1.1	270250.080
Hg	202	1	He	0.018211	63.7	186.673
Tl	205	1	He	109.107717	2.1	5126003.780
Pb	206	1	He	110.300997	2.4	1759885.913
Pb	207	1	He	109.955147	2.5	1465643.470
Pb	208	1	He	109.632730	2.5	6899566.413
Bi	209	1	He	110.309639	1.8	5463077.000
Th	232	1	He	107.499043	1.7	7615442.387
U	238	1	He	102.195378	2.1	7405073.640

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.59580064	881417.437
Sc	45	2	H2	79.99571531	5361450.167
Ge	72	1	He	80.31827096	543868.310
Ge	72	2	H2	80.56619052	1461352.667
In	115	1	He	81.75245111	5959257.833
Tb	159	1	He	85.54884651	13852256.873
Ir	193	1	He	85.01337301	6645684.070

Sample Name	92603486001_B70178Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	198SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:03:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.325406	8.6	272.667
Be	9	2	H2	0.027808	21.4	21.000
B	11	2	H2	11.003491	8.5	9085.767
Na	23	1	He	11499.03577	1.6	18817847.220
Mg	24	1	He	1022.001023	1.1	931265.900
Al	27	1	He	82.310626	0.5	40703.800
Si	28	2	H2	1393.227666	5.1	5354612.667
K	39	1	He	6689.377999	0.8	9159363.820
Ca	43	1	He	3518.156346	0.7	14623.437
Ca	44	1	He	3642.179499	1.0	253523.143
Ti	47	1	He	3.887282	7.5	1736.460
V	51	1	He	0.222280	74.5	841.463
Cr	52	1	He	1.273490	2.8	16539.737
Mn	55	1	He	36.318684	0.8	346851.270
Fe	56	1	He	205.305846	1.7	2381911.667
Co	59	1	He	0.090592	2.6	1733.420
Ni	60	1	He	1.255338	2.1	6321.127
Cu	63	1	He	11.050552	1.2	126897.680
Zn	66	1	He	566.120841	1.7	1337238.873
As	75	1	He	0.091266	8.8	406.003
Se	78	2	H2	0.177023	4.6	188.000
Sr	88	1	He	18.580805	0.9	314789.447
Mo	95	1	He	0.431023	4.0	3106.973
Pd	105	1	He	0.007648	74.4	113.337
Ag	107	1	He	0.612619	6.6	13980.753
Cd	111	1	He	5.580645	1.0	22882.710
Sn	118	1	He	1.266337	0.9	13782.300
Sb	121	1	He	0.122648	1.9	1805.113
Ba	138	1	He	6.358545	0.8	225102.933
Pt	195	1	He	0.003902	57.7	133.337
Hg	202	1	He	0.024097	16.9	230.010
Tl	205	1	He	0.073647	31.4	4228.970
Pb	206	1	He	47.970190	1.3	783792.800
Pb	207	1	He	48.298173	1.2	659734.053
Pb	208	1	He	48.180474	1.5	3105521.413
Bi	209	1	He	2.447424	1.2	125521.143
Th	232	1	He	0.021521	8.3	1605.107
U	238	1	He	0.016319	14.5	1285.063

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.54485609	902732.833
Sc	45	2	H2	82.91219040	5556917.333
Ge	72	1	He	80.80612471	547171.770
Ge	72	2	H2	83.26099673	1510232.503
In	115	1	He	84.02185712	6124683.767
Tb	159	1	He	87.59893865	14184212.290
Ir	193	1	He	86.67692745	6775727.813

Sample Name	4322689_B70178Dx25
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	199SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:06:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.135514	14.3	147.000
Be	9	2	H2	0.016428	22.5	14.667
B	11	2	H2	5.867789	15.5	6051.117
Na	23	1	He	2339.129025	1.5	3866135.463
Mg	24	1	He	208.646660	1.1	193815.153
Al	27	1	He	17.813052	3.4	9035.913
Si	28	2	H2	280.184606	6.8	1087801.393
K	39	1	He	1374.189198	1.4	1982809.607
Ca	43	1	He	701.477306	2.6	2942.843
Ca	44	1	He	743.278619	3.0	52216.097
Ti	47	1	He	1.131396	44.7	510.753
V	51	1	He	0.014180	296.0	-1364.607
Cr	52	1	He	0.262933	3.0	3821.750
Mn	55	1	He	7.259055	1.8	70446.753
Fe	56	1	He	42.461033	1.1	507740.343
Co	59	1	He	0.020662	11.1	466.010
Ni	60	1	He	0.146682	16.2	1400.060
Cu	63	1	He	2.255870	0.2	26282.500
Zn	66	1	He	114.861956	0.6	273166.863
As	75	1	He	0.015957	59.4	261.833
Se	78	2	H2	0.044202	12.8	58.333
Sr	88	1	He	3.703549	0.5	64149.707
Mo	95	1	He	0.101059	7.9	748.357
Pd	105	1	He	0.005627	81.4	93.333
Ag	107	1	He	0.155593	2.1	4215.543
Cd	111	1	He	1.081603	2.0	4525.423
Sn	118	1	He	0.343201	5.9	3920.493
Sb	121	1	He	0.028324	16.3	490.010
Ba	138	1	He	1.283449	0.9	45674.973
Pt	195	1	He	0.002111	59.4	110.000
Hg	202	1	He	0.004967	62.7	103.333
Tl	205	1	He	0.002743	20.8	823.363
Pb	206	1	He	9.610952	1.9	157536.017
Pb	207	1	He	9.689753	0.7	133434.510
Pb	208	1	He	9.540396	0.9	617590.237
Bi	209	1	He	0.482831	5.4	25984.877
Th	232	1	He	0.004840	29.6	401.677
U	238	1	He	0.003551	11.7	343.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.11121494	908926.687
Sc	45	2	H2	83.11841460	5570738.833
Ge	72	1	He	81.30459565	550547.123
Ge	72	2	H2	83.43489868	1513386.830
In	115	1	He	85.68517676	6245929.680
Tb	159	1	He	87.84354430	14223819.373
Ir	193	1	He	87.02933048	6803275.940

Sample Name	4319219_B70178Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	200SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:10:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	20.467076	5.3	13523.343
Be	9	2	H2	20.405778	3.6	11451.983
B	11	2	H2	28.481221	6.7	19333.637
Na	23	1	He	11765.39956	2.0	19291558.047
Mg	24	1	He	1445.598012	2.1	1318624.957
Al	27	1	He	502.839549	1.7	248074.730
Si	28	2	H2	1460.751839	5.7	5580211.000
K	39	1	He	7025.754520	1.4	9633754.233
Ca	43	1	He	3909.215966	1.1	16281.087
Ca	44	1	He	4004.624890	1.2	279301.373
Ti	47	1	He	20.508828	7.9	9164.173
V	51	1	He	21.662821	1.8	227512.287
Cr	52	1	He	22.679303	1.6	287077.427
Mn	55	1	He	57.315266	1.9	547994.833
Fe	56	1	He	634.064420	1.9	7340187.333
Co	59	1	He	22.187183	1.4	404579.220
Ni	60	1	He	23.286412	2.5	104640.960
Cu	63	1	He	33.806002	1.8	389006.563
Zn	66	1	He	581.801374	1.8	1379125.583
As	75	1	He	20.735116	1.7	40486.327
Se	78	2	H2	20.069896	1.2	19426.597
Sr	88	1	He	38.900351	0.5	655809.260
Mo	95	1	He	21.837522	1.6	156924.287
Pd	105	1	He	3.093188	4.6	33302.523
Ag	107	1	He	9.159815	3.5	197167.743
Cd	111	1	He	26.227113	0.5	107033.873
Sn	118	1	He	12.950998	0.6	138916.233
Sb	121	1	He	19.243452	1.0	269111.110
Ba	138	1	He	26.779140	0.9	941726.600
Pt	195	1	He	3.795214	2.8	49736.983
Hg	202	1	He	0.010683	50.0	140.000
Tl	205	1	He	20.673178	0.6	988979.257
Pb	206	1	He	67.816659	0.7	1101222.717
Pb	207	1	He	68.227756	0.1	925881.417
Pb	208	1	He	68.189723	0.9	4367657.223
Bi	209	1	He	24.198726	0.3	1220743.027
Th	232	1	He	5.012840	8.1	362286.257
U	238	1	He	19.828580	0.5	1465872.113

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.71772673	904623.393
Sc	45	2	H2	82.38927780	5521870.833
Ge	72	1	He	81.10265950	549179.730
Ge	72	2	H2	82.38829431	1494402.960
In	115	1	He	83.63677629	6096613.710
Tb	159	1	He	87.05740799	14096526.457
Ir	193	1	He	86.72263581	6779300.937

Sample Name	4319220_B70178Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	201SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:13:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	20.812360	5.9	13767.857
Be	9	2	H2	20.708945	4.1	11636.430
B	11	2	H2	28.411803	9.4	19323.743
Na	23	1	He	11898.51605	0.8	19564614.710
Mg	24	1	He	1472.643795	1.4	1347008.520
Al	27	1	He	511.974888	1.2	253281.227
Si	28	2	H2	1509.776911	6.9	5774206.667
K	39	1	He	7120.685257	1.2	9789414.437
Ca	43	1	He	3970.861577	1.6	16582.993
Ca	44	1	He	4054.401458	1.2	283552.577
Ti	47	1	He	20.986675	1.8	9407.263
V	51	1	He	21.890923	0.4	230567.540
Cr	52	1	He	22.980714	1.3	291694.780
Mn	55	1	He	57.875861	0.7	554904.187
Fe	56	1	He	639.475722	1.4	7423436.667
Co	59	1	He	22.511462	1.5	412409.707
Ni	60	1	He	23.702097	2.8	106990.737
Cu	63	1	He	33.680798	2.1	389373.617
Zn	66	1	He	604.057305	2.3	1438526.040
As	75	1	He	21.138846	2.0	41463.057
Se	78	2	H2	20.178507	1.6	19579.753
Sr	88	1	He	39.140548	1.4	664271.240
Mo	95	1	He	21.922841	2.7	158260.173
Pd	105	1	He	2.509485	2.5	27211.950
Ag	107	1	He	9.838077	2.3	213131.337
Cd	111	1	He	26.497716	0.7	108870.477
Sn	118	1	He	12.914299	1.5	139449.697
Sb	121	1	He	19.264716	1.4	271204.370
Ba	138	1	He	27.456899	1.0	965659.230
Pt	195	1	He	3.791649	1.8	49697.010
Hg	202	1	He	0.014154	53.3	163.340
Tl	205	1	He	21.149894	2.0	1011824.127
Pb	206	1	He	68.927771	1.6	1119329.620
Pb	207	1	He	69.369988	1.3	941412.873
Pb	208	1	He	69.307913	1.2	4439821.623
Bi	209	1	He	24.288663	1.5	1225342.273
Th	232	1	He	5.013609	2.4	362382.393
U	238	1	He	20.068091	1.1	1483438.990

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.94200917	907076.207
Sc	45	2	H2	82.49376135	5528873.500
Ge	72	1	He	81.47862674	551725.560
Ge	72	2	H2	82.59458385	1498144.750
In	115	1	He	84.20050065	6137705.797
Tb	159	1	He	87.06835975	14098299.790
Ir	193	1	He	86.71583463	6778769.273

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	202_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:17:29
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.348566	5.1	50014.237
Be	9	2	H2	75.937808	4.8	42375.837
B	11	2	H2	77.584383	6.0	48025.547
Na	23	1	He	2040.493872	1.4	3331814.533
Mg	24	1	He	1999.629849	1.6	1808576.120
Al	27	1	He	1953.940084	0.7	955810.437
Si	28	2	H2	954.891505	5.8	3631245.833
K	39	1	He	2052.638868	1.2	2870153.397
Ca	43	1	He	1990.066400	1.3	8227.540
Ca	44	1	He	1972.455237	0.4	136566.487
Ti	47	1	He	76.455045	2.1	33899.467
V	51	1	He	80.861992	1.8	846655.410
Cr	52	1	He	81.181331	1.3	1018302.147
Mn	55	1	He	83.289090	1.1	789737.293
Fe	56	1	He	1026.282760	1.8	11778453.333
Co	59	1	He	82.277605	2.0	1521836.873
Ni	60	1	He	82.092392	1.3	372392.107
Cu	63	1	He	83.933878	1.6	979493.127
Zn	66	1	He	80.398129	1.4	193527.423
As	75	1	He	77.821570	1.4	153524.630
Se	78	2	H2	75.818368	0.8	73784.387
Sr	88	1	He	74.665620	1.3	1257482.793
Mo	95	1	He	80.447699	1.4	586469.040
Pd	105	1	He	77.898071	1.0	837275.923
Ag	107	1	He	39.382767	3.3	844204.673
Cd	111	1	He	76.977006	0.9	313867.513
Sn	118	1	He	76.804324	0.6	822394.833
Sb	121	1	He	73.370413	1.0	1024884.073
Ba	138	1	He	79.175630	1.4	2771630.373
Pt	195	1	He	77.492534	1.9	1009476.677
Hg	202	1	He	3.542811	3.6	23340.700
Tl	205	1	He	39.640240	1.3	1887256.640
Pb	206	1	He	79.509444	1.1	1285299.953
Pb	207	1	He	82.921203	0.9	1120045.167
Pb	208	1	He	80.917586	1.2	5159675.597
Bi	209	1	He	83.373363	1.4	4183623.060
Th	232	1	He	78.203907	1.7	5579446.170
U	238	1	He	75.944281	1.9	5542028.670

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.06222261	897454.623
Sc	45	2	H2	81.95940718	5493060.167
Ge	72	1	He	82.27373091	557109.540
Ge	72	2	H2	82.88675867	1503444.373
In	115	1	He	83.56738273	6091555.340
Tb	159	1	He	86.66959055	14033730.207
Ir	193	1	He	85.60973256	6692302.820

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	203_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:21:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.054785	53.2	95.167
Be	9	2	H2	0.025488	44.9	20.167
B	11	2	H2	3.050198	14.2	4450.640
Na	23	1	He	20.233143	1.8	48805.623
Mg	24	1	He	-1.834939		1331.727
Al	27	1	He	0.332546	35.0	382.007
Si	28	2	H2	0.649925	12.0	13301.993
K	39	1	He	17.369218	5.5	136198.673
Ca	43	1	He	1.551035	34.5	15.640
Ca	44	1	He	1.023693	20.3	231.653
Ti	47	1	He	0.007086	225.3	6.000
V	51	1	He	0.007781	268.6	-1447.200
Cr	52	1	He	-0.001029		474.677
Mn	55	1	He	-0.066441		173.333
Fe	56	1	He	0.025311	90.7	15240.447
Co	59	1	He	0.003847	27.7	160.000
Ni	60	1	He	-0.134207		144.667
Cu	63	1	He	0.011120	15.9	404.010
Zn	66	1	He	0.028292	15.6	262.000
As	75	1	He	-0.003194		226.667
Se	78	2	H2	0.008790	94.1	24.333
Sr	88	1	He	0.006393	53.2	313.343
Mo	95	1	He	0.013455	21.5	118.333
Pd	105	1	He	0.012199	30.5	166.667
Ag	107	1	He	0.257115	20.4	6479.623
Cd	111	1	He	0.008033	60.1	36.630
Sn	118	1	He	0.028402	31.5	468.347
Sb	121	1	He	0.007549	47.8	193.333
Ba	138	1	He	0.014530	23.0	666.690
Pt	195	1	He	0.005976	76.1	163.337
Hg	202	1	He	0.016071	19.1	180.003
Tl	205	1	He	0.046716	14.1	2991.980
Pb	206	1	He	0.010042	25.4	255.007
Pb	207	1	He	0.000892	902.2	905.037
Pb	208	1	He	0.006158	47.0	1576.720
Bi	209	1	He	0.005317	35.9	1740.133
Th	232	1	He	0.013453	12.1	1041.727
U	238	1	He	0.005042	15.9	460.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.95172302	918118.710
Sc	45	2	H2	84.52307125	5664881.333
Ge	72	1	He	82.05990705	555661.650
Ge	72	2	H2	85.42399280	1549466.083
In	115	1	He	86.16300038	6280760.123
Tb	159	1	He	89.22613732	14447691.867
Ir	193	1	He	88.28735676	6901618.647

Sample Name	4322412_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	204SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:24:38
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.051065	30.0	93.167
Be	9	2	H2	0.023678	12.6	19.167
B	11	2	H2	3.397542	14.1	4680.683
Na	23	1	He	24.020769	1.5	55223.487
Mg	24	1	He	1.052201	12.5	4007.133
Al	27	1	He	6.371892	1.6	3410.983
Si	28	2	H2	4.282406	22.5	27639.223
K	39	1	He	18.181487	2.9	137621.033
Ca	43	1	He	9.465020	15.0	49.187
Ca	44	1	He	8.453519	13.2	759.187
Ti	47	1	He	0.080385	8.7	39.333
V	51	1	He	0.029936	88.7	-1210.680
Cr	52	1	He	0.421255	3.2	5903.650
Mn	55	1	He	0.150038	4.9	2276.153
Fe	56	1	He	10.590689	1.7	139441.483
Co	59	1	He	0.003920	5.3	161.333
Ni	60	1	He	-0.103714		282.000
Cu	63	1	He	0.080980	12.3	1215.380
Zn	66	1	He	1.102110	5.8	2834.233
As	75	1	He	-0.002763		227.167
Se	78	2	H2	0.009829	90.8	25.000
Sr	88	1	He	0.021000	36.7	573.350
Mo	95	1	He	0.013708	36.9	120.000
Pd	105	1	He	0.003082	71.6	66.667
Ag	107	1	He	0.058195	10.6	2111.817
Cd	111	1	He	0.004806	85.9	23.297
Sn	118	1	He	0.112102	11.4	1408.407
Sb	121	1	He	0.003598	112.7	138.333
Ba	138	1	He	0.067986	2.0	2606.897
Pt	195	1	He	0.016049	19.6	300.010
Hg	202	1	He	0.012910	89.8	160.003
Tl	205	1	He	0.004519	44.3	928.370
Pb	206	1	He	0.011972	20.0	288.340
Pb	207	1	He	0.010010	49.5	1036.713
Pb	208	1	He	0.011548	11.4	1940.073
Bi	209	1	He	0.001963	182.0	1576.783
Th	232	1	He	0.006548	28.0	540.033
U	238	1	He	0.001308	26.9	181.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	84.13532798	920126.663
Sc	45	2	H2	84.86495795	5687795.167
Ge	72	1	He	81.98137152	555129.853
Ge	72	2	H2	84.69380483	1536221.543
In	115	1	He	87.16109951	6353515.497
Tb	159	1	He	89.71819978	14527367.700
Ir	193	1	He	89.44653616	6992234.273

Sample Name	4322413_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	205SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:28:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	103.877692	5.1	66937.597
Be	9	2	H2	104.588313	4.9	57432.040
B	11	2	H2	103.612100	6.3	62284.230
Na	23	1	He	2200.421967	1.3	3563424.737
Mg	24	1	He	2138.739225	1.7	1918884.247
Al	27	1	He	2102.300411	1.1	1020219.147
Si	28	2	H2	523.447405	5.5	1963421.163
K	39	1	He	2214.744983	1.9	3063642.457
Ca	43	1	He	2143.777626	2.3	8791.670
Ca	44	1	He	2123.196924	0.7	145826.100
Ti	47	1	He	99.912743	1.7	43948.030
V	51	1	He	109.081299	1.9	1133652.950
Cr	52	1	He	110.196588	1.3	1371151.040
Mn	55	1	He	108.334400	1.4	1018833.043
Fe	56	1	He	2184.312243	1.3	24854690.000
Co	59	1	He	111.995582	1.6	2037738.080
Ni	60	1	He	111.460433	0.8	497104.690
Cu	63	1	He	111.562273	1.2	1280617.540
Zn	66	1	He	109.074767	1.3	258201.370
As	75	1	He	104.928402	0.9	203542.823
Se	78	2	H2	103.963553	0.3	99203.563
Sr	88	1	He	102.333461	1.6	1701426.640
Mo	95	1	He	107.249515	0.5	769099.417
Pd	105	1	He	20.684065	0.9	219508.827
Ag	107	1	He	46.987232	3.7	994054.853
Cd	111	1	He	102.793977	1.4	413768.043
Sn	118	1	He	101.669811	1.3	1074623.030
Sb	121	1	He	99.069182	1.9	1366043.467
Ba	138	1	He	105.525192	0.8	3677418.070
Pt	195	1	He	20.516907	1.4	266101.677
Hg	202	1	He	0.011303	63.7	143.337
Tl	205	1	He	107.839953	0.3	5109844.197
Pb	206	1	He	109.921405	1.0	1768752.107
Pb	207	1	He	108.716888	1.7	1461387.740
Pb	208	1	He	108.803469	0.8	6905764.793
Bi	209	1	He	110.081684	0.5	5498796.170
Th	232	1	He	107.727605	0.5	7611173.013
U	238	1	He	102.061201	1.1	7375309.263

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	81.41252882	890349.397
Sc	45	2	H2	80.64454730	5404936.000
Ge	72	1	He	80.92793580	547996.603
Ge	72	2	H2	81.27229753	1474160.413
In	115	1	He	82.50574003	6014168.027
Tb	159	1	He	86.27706663	13970171.873
Ir	193	1	He	84.78183027	6627583.860

Sample Name	10607799001_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	206SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:31:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.039856	4.7	2027.110
Be	9	2	H2	0.027976	32.0	20.833
B	11	2	H2	10.978681	18.2	8902.320
Na	23	1	He	5989.750378	1.2	9690141.107
Mg	24	1	He	7011.421541	1.7	6294014.073
Al	27	1	He	6.177040	3.4	3210.950
Si	28	2	H2	6756.420925	5.8	25408456.000
K	39	1	He	539.408623	1.1	829901.397
Ca	43	1	He	48313.50185	1.5	198265.963
Ca	44	1	He	49117.84921	1.6	3375458.923
Ti	47	1	He	0.148451	38.8	68.000
V	51	1	He	0.383651	36.8	2519.050
Cr	52	1	He	3.291781	1.0	41485.160
Mn	55	1	He	0.679207	4.7	7186.120
Fe	56	1	He	9.592979	1.1	123785.007
Co	59	1	He	0.267173	2.4	4830.660
Ni	60	1	He	0.131765	17.0	1295.383
Cu	63	1	He	0.336898	2.8	4038.467
Zn	66	1	He	2.130512	3.1	5106.740
As	75	1	He	0.324883	2.5	838.687
Se	78	2	H2	0.287121	14.3	291.000
Sr	88	1	He	97.979620	0.9	1646626.537
Mo	95	1	He	0.732850	7.7	5149.133
Pd	105	1	He	0.012683	3.7	166.667
Ag	107	1	He	0.219879	16.0	5475.920
Cd	111	1	He	0.007952	17.8	35.123
Sn	118	1	He	0.055198	10.8	740.023
Sb	121	1	He	0.100770	3.2	1486.750
Ba	138	1	He	1.937843	1.2	68086.583
Pt	195	1	He	0.011660	30.6	233.340
Hg	202	1	He	0.004632	117.3	100.000
Tl	205	1	He	0.018959	24.8	1586.767
Pb	206	1	He	0.026014	11.7	506.680
Pb	207	1	He	0.016047	51.3	1085.047
Pb	208	1	He	0.024404	8.2	2698.447
Bi	209	1	He	0.007646	28.4	1810.150
Th	232	1	He	0.023740	2.9	1725.113
U	238	1	He	0.570637	0.4	41282.687

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	81.54629808	891812.333
Sc	45	2	H2	81.19942466	5442124.833
Ge	72	1	He	78.99374466	534899.393
Ge	72	2	H2	81.88618632	1485295.457
In	115	1	He	83.39034495	6078650.360
Tb	159	1	He	86.81223365	14056827.290
Ir	193	1	He	84.71139284	6622077.610

Sample Name	4323800_B70202Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	207SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:35:21
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.646933	4.5	495.010
Be	9	2	H2	0.024944	52.5	20.000
B	11	2	H2	4.434090	8.0	5290.847
Na	23	1	He	1263.690090	3.6	2068078.353
Mg	24	1	He	1470.253172	3.1	1330127.763
Al	27	1	He	2.513881	6.8	1439.727
Si	28	2	H2	1366.856599	5.2	5360385.333
K	39	1	He	127.181715	5.6	280692.280
Ca	43	1	He	9935.010229	4.0	41013.390
Ca	44	1	He	10244.94744	4.1	708237.693
Ti	47	1	He	0.047778	14.8	24.000
V	51	1	He	0.003217	5199.0	-1412.757
Cr	52	1	He	0.681978	3.3	9027.600
Mn	55	1	He	0.101016	4.4	1755.427
Fe	56	1	He	2.246619	6.3	40336.793
Co	59	1	He	0.058823	0.4	1150.707
Ni	60	1	He	-0.082632		370.007
Cu	63	1	He	0.090538	7.7	1299.383
Zn	66	1	He	0.527696	5.4	1428.727
As	75	1	He	0.070922	21.7	364.167
Se	78	2	H2	0.060720	14.1	76.333
Sr	88	1	He	19.593794	3.2	334518.603
Mo	95	1	He	0.149665	11.3	1088.377
Pd	105	1	He	0.007651	88.6	113.333
Ag	107	1	He	0.051701	15.6	1910.127
Cd	111	1	He	0.003283	111.2	16.337
Sn	118	1	He	0.100860	14.3	1243.400
Sb	121	1	He	0.024695	25.3	433.343
Ba	138	1	He	0.401930	4.1	14191.053
Pt	195	1	He	0.002228	87.2	110.000
Hg	202	1	He	0.006850	78.6	113.333
Tl	205	1	He	-0.001901		591.687
Pb	206	1	He	0.007040	24.5	198.333
Pb	207	1	He	-0.007226		768.363
Pb	208	1	He	0.004365	46.0	1415.043
Bi	209	1	He	0.000784	790.2	1453.437
Th	232	1	He	0.015142	100.7	1095.443
U	238	1	He	0.113190	5.4	8315.620

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.10384832	897909.853
Sc	45	2	H2	84.59300132	5669568.167
Ge	72	1	He	80.40133189	544430.750
Ge	72	2	H2	85.41269089	1549261.083
In	115	1	He	84.74263895	6177224.390
Tb	159	1	He	86.67072535	14033913.957
Ir	193	1	He	85.44817952	6679673.860

Sample Name	4322414_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	208SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:38:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	117.802539	23.1	65738.363
Be	9	2	H2	117.220389	22.3	55799.887
B	11	2	H2	124.319960	25.7	64110.527
Na	23	1	He	8065.328981	1.4	12938152.307
Mg	24	1	He	9029.312120	1.1	8040043.837
Al	27	1	He	2111.938482	0.7	1018352.373
Si	28	2	H2	8203.717428	25.0	26462750.667
K	39	1	He	2720.784287	1.0	3714885.880
Ca	43	1	He	50400.34588	0.9	205178.953
Ca	44	1	He	50886.39143	0.8	3469053.593
Ti	47	1	He	101.815335	1.0	44500.043
V	51	1	He	111.560072	0.3	1152017.750
Cr	52	1	He	113.883829	0.9	1407931.873
Mn	55	1	He	109.305259	1.2	1021363.730
Fe	56	1	He	2189.218707	1.6	24750332.667
Co	59	1	He	110.942498	1.5	1993041.417
Ni	60	1	He	109.710643	0.9	483125.887
Cu	63	1	He	109.220136	1.0	1237875.293
Zn	66	1	He	108.235256	0.7	252979.190
As	75	1	He	107.852691	0.6	206565.120
Se	78	2	H2	116.777926	22.4	96770.383
Sr	88	1	He	201.224617	1.1	3274427.140
Mo	95	1	He	111.277013	0.8	787879.443
Pd	105	1	He	20.552944	0.9	213493.977
Ag	107	1	He	47.299695	3.4	979607.303
Cd	111	1	He	102.943785	1.2	405583.693
Sn	118	1	He	105.212799	1.6	1088437.590
Sb	121	1	He	102.622356	1.7	1385088.573
Ba	138	1	He	108.302535	1.4	3727622.337
Pt	195	1	He	20.736072	2.9	265625.793
Hg	202	1	He	0.017290	48.9	180.003
Tl	205	1	He	108.859415	1.0	5094859.923
Pb	206	1	He	108.350358	1.3	1722120.857
Pb	207	1	He	107.162951	1.2	1422959.717
Pb	208	1	He	107.508666	0.7	6740260.937
Bi	209	1	He	108.942239	0.7	5374870.543
Th	232	1	He	109.632977	1.2	7633612.803
U	238	1	He	104.832208	1.2	7465887.180

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.89124933	884648.543
Sc	45	2	H2	71.95628879	4822634.000
Ge	72	1	He	79.90605429	541077.020
Ge	72	2	H2	72.61445149	1317119.770
In	115	1	He	80.74821799	5886055.330
Tb	159	1	He	85.22356170	13799586.043
Ir	193	1	He	83.55256527	6531489.487

Sample Name	4322415_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	209SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:42:29
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	102.391811	5.6	65041.270
Be	9	2	H2	101.787591	4.0	55084.707
B	11	2	H2	110.835468	6.2	65491.700
Na	23	1	He	8003.839227	0.6	12850731.893
Mg	24	1	He	8895.196618	1.0	7927241.130
Al	27	1	He	2080.182992	0.7	1003865.290
Si	28	2	H2	7177.547809	6.7	26413955.333
K	39	1	He	2683.612661	1.2	3668734.320
Ca	43	1	He	49977.68570	0.5	203627.057
Ca	44	1	He	50074.55043	0.6	3416596.753
Ti	47	1	He	101.549157	0.5	44419.877
V	51	1	He	109.537424	1.0	1132026.187
Cr	52	1	He	111.746204	1.1	1382693.913
Mn	55	1	He	108.152326	0.2	1011456.817
Fe	56	1	He	2151.438580	1.4	24344702.000
Co	59	1	He	108.285592	1.9	1960242.750
Ni	60	1	He	107.692858	1.2	477885.780
Cu	63	1	He	107.435701	0.9	1226998.917
Zn	66	1	He	108.215336	1.1	254869.840
As	75	1	He	105.256383	0.9	203141.857
Se	78	2	H2	102.703342	0.5	96106.960
Sr	88	1	He	199.548863	1.3	3247413.493
Mo	95	1	He	108.966155	1.2	777433.453
Pd	105	1	He	20.400117	0.9	211923.357
Ag	107	1	He	47.148154	1.4	976654.153
Cd	111	1	He	101.958093	1.0	401740.853
Sn	118	1	He	102.039482	1.5	1055743.450
Sb	121	1	He	101.166925	1.4	1365591.073
Ba	138	1	He	107.160888	1.3	3688222.757
Pt	195	1	He	20.377296	0.4	261060.990
Hg	202	1	He	0.013179	35.5	153.337
Tl	205	1	He	107.512274	1.4	5031481.593
Pb	206	1	He	107.119238	1.3	1702495.547
Pb	207	1	He	105.962754	0.4	1407002.060
Pb	208	1	He	106.209753	0.6	6658379.740
Bi	209	1	He	108.959039	1.4	5375220.963
Th	232	1	He	108.045938	1.1	7569727.597
U	238	1	He	103.250332	1.2	7399076.350

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.95630411	885360.000
Sc	45	2	H2	79.46970919	5326196.333
Ge	72	1	He	80.51674943	545212.290
Ge	72	2	H2	79.69997981	1445640.873
In	115	1	He	80.75303348	5886406.350
Tb	159	1	He	85.21230629	13797763.543
Ir	193	1	He	84.06837085	6571811.153

Sample Name	10607799001_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	210SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:46:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.228119	10.6	207.167
Be	9	2	H2	0.037956	12.1	26.667
B	11	2	H2	3.374911	20.0	4543.970
Na	23	1	He	315.088404	0.7	534705.380
Mg	24	1	He	354.153213	0.9	327460.130
Al	27	1	He	1.651973	1.2	1033.363
Si	28	2	H2	345.020091	6.5	1329246.127
K	39	1	He	42.952998	4.2	169981.710
Ca	43	1	He	2434.161576	1.7	10207.797
Ca	44	1	He	2507.803529	0.4	176119.153
Ti	47	1	He	0.014591	126.8	9.333
V	51	1	He	-0.078113		-2349.033
Cr	52	1	He	0.194457	1.0	2957.583
Mn	55	1	He	-0.017239		644.680
Fe	56	1	He	1.093217	3.3	27534.917
Co	59	1	He	0.018414	15.2	428.010
Ni	60	1	He	-0.121843		200.000
Cu	63	1	He	0.041826	14.5	760.020
Zn	66	1	He	0.099000	26.2	430.677
As	75	1	He	0.014107	56.5	260.167
Se	78	2	H2	0.027272	24.4	42.000
Sr	88	1	He	4.792350	2.0	83450.310
Mo	95	1	He	0.053688	9.4	410.010
Pd	105	1	He	0.004353	53.7	80.000
Ag	107	1	He	0.216986	19.1	5600.977
Cd	111	1	He	0.007989	74.4	36.547
Sn	118	1	He	0.116354	1.1	1440.077
Sb	121	1	He	0.016098	10.1	316.677
Ba	138	1	He	0.107849	2.5	3980.500
Pt	195	1	He	0.004599	61.6	143.333
Hg	202	1	He	-0.002061		56.667
Tl	205	1	He	0.020481	17.6	1685.110
Pb	206	1	He	0.007300	17.7	206.670
Pb	207	1	He	0.009704	95.7	1015.037
Pb	208	1	He	0.008617	23.1	1716.717
Bi	209	1	He	0.006630	59.4	1786.803
Th	232	1	He	0.020539	3.1	1545.090
U	238	1	He	0.034590	7.3	2655.247

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.25693403	910520.310
Sc	45	2	H2	82.61079804	5536717.500
Ge	72	1	He	81.89692978	554558.063
Ge	72	2	H2	83.97097211	1523110.417
In	115	1	He	86.19733785	6283263.117
Tb	159	1	He	88.14445271	14272543.123
Ir	193	1	He	87.30758896	6825028.023

Sample Name	4323800_B70202Dx100
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	211SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:49:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.082368	21.6	112.333
Be	9	2	H2	0.024664	12.7	19.333
B	11	2	H2	2.136023	40.4	3847.143
Na	23	1	He	77.728882	1.1	143030.003
Mg	24	1	He	73.552842	0.6	70289.087
Al	27	1	He	1.520412	2.1	966.697
Si	28	2	H2	70.102553	5.0	280800.030
K	39	1	He	22.861424	5.6	142368.363
Ca	43	1	He	499.718278	2.0	2099.733
Ca	44	1	He	512.082559	1.6	36036.290
Ti	47	1	He	0.017633	77.8	10.667
V	51	1	He	0.007366	563.3	-1438.270
Cr	52	1	He	0.060429	9.2	1250.713
Mn	55	1	He	-0.055979		272.000
Fe	56	1	He	0.459050	0.9	20131.873
Co	59	1	He	0.002396	15.1	132.667
Ni	60	1	He	-0.130928		158.667
Cu	63	1	He	0.028700	11.0	605.343
Zn	66	1	He	0.020492	44.1	242.000
As	75	1	He	-0.009728		212.667
Se	78	2	H2	0.007007	105.0	22.000
Sr	88	1	He	0.968250	1.8	16969.940
Mo	95	1	He	0.016538	36.6	140.000
Pd	105	1	He	0.001976	140.0	53.333
Ag	107	1	He	0.061674	15.0	2158.483
Cd	111	1	He	0.002501	100.6	13.290
Sn	118	1	He	0.111624	4.7	1383.407
Sb	121	1	He	0.006993	51.5	185.000
Ba	138	1	He	0.028276	8.7	1151.717
Pt	195	1	He	0.003576	66.1	130.003
Hg	202	1	He	0.002346	235.8	86.667
Tl	205	1	He	-0.003664		518.343
Pb	206	1	He	0.005933	8.3	185.000
Pb	207	1	He	0.004841	13.3	951.707
Pb	208	1	He	0.005210	29.0	1501.713
Bi	209	1	He	-0.000266		1440.097
Th	232	1	He	0.007196	20.3	581.683
U	238	1	He	0.007405	11.4	638.357

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.14245655	909268.353
Sc	45	2	H2	83.29896304	5582839.500
Ge	72	1	He	81.62285165	552702.167
Ge	72	2	H2	83.94178710	1522581.043
In	115	1	He	85.94141907	6264608.190
Tb	159	1	He	88.48611885	14327866.453
Ir	193	1	He	88.30416260	6902932.397

Sample Name	10607799002_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	212SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:53:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.609398	2.7	1094.700
Be	9	2	H2	0.032002	10.7	22.833
B	11	2	H2	7.270613	5.4	6701.343
Na	23	1	He	6246.145578	2.2	10024779.013
Mg	24	1	He	6265.494631	1.4	5580805.543
Al	27	1	He	52.903410	1.2	25715.410
Si	28	2	H2	3423.566432	6.1	12828321.000
K	39	1	He	670.360977	1.1	996994.620
Ca	43	1	He	22562.89622	1.4	91870.963
Ca	44	1	He	23088.08244	1.7	1574281.347
Ti	47	1	He	0.992798	19.1	436.677
V	51	1	He	0.954997	10.2	8398.477
Cr	52	1	He	0.844375	3.7	10906.637
Mn	55	1	He	1.068180	2.3	10762.553
Fe	56	1	He	42.454181	1.2	494177.563
Co	59	1	He	0.134624	1.2	2484.847
Ni	60	1	He	1.121242	1.7	5614.893
Cu	63	1	He	1.033157	2.0	11876.617
Zn	66	1	He	3.641255	2.8	8622.093
As	75	1	He	0.597858	3.5	1359.387
Se	78	2	H2	15.157979	0.8	14580.313
Sr	88	1	He	82.539755	2.5	1385594.823
Mo	95	1	He	2.152161	3.2	15133.313
Pd	105	1	He	0.014871	49.4	190.007
Ag	107	1	He	0.041482	10.9	1661.767
Cd	111	1	He	0.039646	17.6	163.793
Sn	118	1	He	0.131680	3.8	1555.087
Sb	121	1	He	0.185640	4.9	2666.903
Ba	138	1	He	22.565368	0.4	791466.423
Pt	195	1	He	0.007586	71.1	180.003
Hg	202	1	He	0.001108	692.5	76.667
Tl	205	1	He	0.005529	16.1	946.703
Pb	206	1	He	0.056591	6.4	1001.707
Pb	207	1	He	0.041792	8.3	1433.413
Pb	208	1	He	0.048849	2.1	4260.247
Bi	209	1	He	0.005853	77.0	1720.133
Th	232	1	He	0.018820	11.0	1388.413
U	238	1	He	0.956552	1.2	69662.663

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.90386606	884786.523
Sc	45	2	H2	80.89981779	5422044.667
Ge	72	1	He	79.25602073	536675.373
Ge	72	2	H2	81.85082679	1484654.087
In	115	1	He	83.29236703	6071508.363
Tb	159	1	He	86.82438455	14058794.790
Ir	193	1	He	85.33959184	6671185.320

Sample Name	10607799002_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	213SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:56:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.117735	12.1	133.833
Be	9	2	H2	0.016650	29.6	14.667
B	11	2	H2	1.640056	29.9	3497.077
Na	23	1	He	313.831010	1.9	526323.780
Mg	24	1	He	301.576186	2.1	275983.023
Al	27	1	He	3.731548	2.1	2040.783
Si	28	2	H2	164.764319	6.0	636584.960
K	39	1	He	49.649791	4.8	177000.760
Ca	43	1	He	1083.644134	3.0	4495.540
Ca	44	1	He	1116.041215	1.3	77540.193
Ti	47	1	He	0.065817	31.1	32.000
V	51	1	He	0.042799	26.7	-1049.847
Cr	52	1	He	0.085032	12.3	1546.737
Mn	55	1	He	-0.008635		718.687
Fe	56	1	He	2.274249	0.9	40783.127
Co	59	1	He	0.004767	8.7	174.000
Ni	60	1	He	-0.070980		422.677
Cu	63	1	He	0.052791	4.7	873.357
Zn	66	1	He	0.168546	8.4	588.010
As	75	1	He	0.017243	19.9	262.167
Se	78	2	H2	0.728011	3.7	727.020
Sr	88	1	He	3.937267	1.8	68118.017
Mo	95	1	He	0.108703	5.2	796.693
Pd	105	1	He	0.001687	1.4	50.000
Ag	107	1	He	0.029804	3.2	1451.743
Cd	111	1	He	0.002063	146.3	11.427
Sn	118	1	He	0.104815	14.8	1303.397
Sb	121	1	He	0.010434	49.3	233.337
Ba	138	1	He	1.077881	0.2	38642.453
Pt	195	1	He	0.002064	110.4	110.000
Hg	202	1	He	0.004874	124.8	103.333
Tl	205	1	He	-0.009385		240.000
Pb	206	1	He	0.002305	47.1	125.000
Pb	207	1	He	-0.005031		815.033
Pb	208	1	He	0.001079	93.4	1231.710
Bi	209	1	He	-0.000505		1426.757
Th	232	1	He	0.005195	28.8	426.707
U	238	1	He	0.043576	6.8	3307.050

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.27584877	899790.897
Sc	45	2	H2	82.15705705	5506307.000
Ge	72	1	He	80.62902632	545972.563
Ge	72	2	H2	83.29047338	1510767.167
In	115	1	He	85.59908707	6239654.263
Tb	159	1	He	88.43606139	14319761.040
Ir	193	1	He	86.89593906	6792848.437

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	214_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:00:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.646842	5.3	47140.407
Be	9	2	H2	76.479795	4.9	40068.960
B	11	2	H2	76.687673	9.0	44614.030
Na	23	1	He	2029.636269	0.8	3129496.620
Mg	24	1	He	2010.314843	1.5	1716956.693
Al	27	1	He	1954.208478	0.8	902656.917
Si	28	2	H2	949.958423	6.4	3392006.417
K	39	1	He	2055.706327	1.0	2714131.940
Ca	43	1	He	1985.167117	1.3	7749.380
Ca	44	1	He	1996.456084	0.5	130521.613
Ti	47	1	He	75.517753	0.9	31618.000
V	51	1	He	80.107710	1.0	791978.027
Cr	52	1	He	81.267004	0.7	962581.060
Mn	55	1	He	82.613331	1.2	739695.460
Fe	56	1	He	1025.383821	1.6	11112943.000
Co	59	1	He	82.291382	1.5	1432279.210
Ni	60	1	He	82.275853	1.5	351188.500
Cu	63	1	He	83.989521	0.5	922289.897
Zn	66	1	He	80.610428	1.4	182581.030
As	75	1	He	78.510640	1.1	145736.167
Se	78	2	H2	76.331906	0.9	69619.460
Sr	88	1	He	74.023276	1.2	1187828.470
Mo	95	1	He	80.893820	0.9	554898.503
Pd	105	1	He	77.251952	1.3	791129.700
Ag	107	1	He	38.789223	3.5	792337.643
Cd	111	1	He	76.941994	0.6	298913.877
Sn	118	1	He	76.233000	1.2	777707.227
Sb	121	1	He	73.831228	0.7	982642.797
Ba	138	1	He	78.333885	2.0	2623073.713
Pt	195	1	He	77.078120	1.0	960573.997
Hg	202	1	He	3.598100	0.7	22679.760
Tl	205	1	He	39.936787	2.1	1818761.120
Pb	206	1	He	78.840563	1.9	1219134.590
Pb	207	1	He	82.520865	0.9	1066279.777
Pb	208	1	He	80.850204	1.5	4931572.037
Bi	209	1	He	83.469710	2.6	4006501.503
Th	232	1	He	79.210494	2.5	5395497.420
U	238	1	He	76.031524	2.2	5297160.443

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.48623007	847410.333
Sc	45	2	H2	76.93310352	5156188.667
Ge	72	1	He	77.41051024	524178.657
Ge	72	2	H2	77.67625206	1408933.417
In	115	1	He	79.61855176	5803709.513
Tb	159	1	He	82.91165918	13425237.717
Ir	193	1	He	81.73725978	6389583.027

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	215_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:03:54
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.069542	22.5	96.000
Be	9	2	H2	0.029931	39.5	20.667
B	11	2	H2	1.772686	17.5	3353.713
Na	23	1	He	15.196627	2.6	37290.690
Mg	24	1	He	-2.099016		1003.373
Al	27	1	He	0.305946	28.0	340.000
Si	28	2	H2	0.163939	158.1	10408.047
K	39	1	He	23.470036	3.0	133371.800
Ca	43	1	He	0.613395	171.2	10.780
Ca	44	1	He	1.432342	31.5	240.390
Ti	47	1	He	0.009769	27.5	6.667
V	51	1	He	0.019980	247.3	-1212.330
Cr	52	1	He	0.000265	874.6	453.343
Mn	55	1	He	-0.065229		170.667
Fe	56	1	He	0.112229	34.7	14997.783
Co	59	1	He	0.002038	86.1	118.667
Ni	60	1	He	-0.142109		102.000
Cu	63	1	He	0.009939	29.2	365.337
Zn	66	1	He	0.005720	332.3	194.667
As	75	1	He	-0.000282		217.500
Se	78	2	H2	0.016198	42.3	29.000
Sr	88	1	He	0.006154	73.6	288.337
Mo	95	1	He	0.009662	7.5	85.000
Pd	105	1	He	0.003278	68.6	63.333
Ag	107	1	He	0.265741	6.9	6219.500
Cd	111	1	He	0.003986	36.5	18.307
Sn	118	1	He	0.037265	27.9	528.347
Sb	121	1	He	0.006408	15.7	165.000
Ba	138	1	He	0.013774	24.7	585.017
Pt	195	1	He	0.005189	41.8	140.000
Hg	202	1	He	0.027675	13.6	236.677
Tl	205	1	He	0.043924	25.8	2613.587
Pb	206	1	He	0.005122	30.1	158.333
Pb	207	1	He	-0.001858		793.363
Pb	208	1	He	0.004418	63.7	1338.373
Bi	209	1	He	0.002082	210.4	1440.107
Th	232	1	He	0.013110	15.9	941.707
U	238	1	He	0.004538	7.8	391.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.43716763	846873.773
Sc	45	2	H2	77.06693079	5165158.000
Ge	72	1	He	76.81878700	520171.853
Ge	72	2	H2	78.37214379	1421555.873
In	115	1	He	80.32989453	5855562.087
Tb	159	1	He	81.68515447	13226639.383
Ir	193	1	He	81.86879896	6399865.737

Sample Name	10607799003_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	216SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:07:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	7.527115	6.0	4706.087
Be	9	2	H2	0.027527	23.3	19.500
B	11	2	H2	16.121013	4.3	11303.703
Na	23	1	He	6832.863244	6.4	10061852.767
Mg	24	1	He	12860.44222	6.1	10509125.467
Al	27	1	He	6.642351	4.6	3131.613
Si	28	2	H2	8751.630275	6.1	31365394.667
K	39	1	He	923.156412	6.3	1222606.807
Ca	43	1	He	50490.71844	6.5	188619.993
Ca	44	1	He	51093.86710	7.0	3196189.950
Ti	47	1	He	0.129898	31.0	55.333
V	51	1	He	0.197126	39.5	489.610
Cr	52	1	He	1.398181	6.0	16293.320
Mn	55	1	He	1.014884	7.4	9417.137
Fe	56	1	He	5.810878	7.8	73479.267
Co	59	1	He	0.192183	4.1	3232.970
Ni	60	1	He	1.218200	7.5	5556.210
Cu	63	1	He	1.247536	5.1	13152.827
Zn	66	1	He	2.536395	5.4	5581.553
As	75	1	He	0.176619	26.1	513.677
Se	78	2	H2	0.153661	4.8	154.000
Sr	88	1	He	216.377690	5.1	3359967.553
Mo	95	1	He	0.705731	4.2	4583.983
Pd	105	1	He	0.030925	19.8	336.677
Ag	107	1	He	0.073306	9.9	2168.490
Cd	111	1	He	0.010406	22.2	41.960
Sn	118	1	He	0.045693	25.8	590.013
Sb	121	1	He	0.084110	3.7	1160.050
Ba	138	1	He	6.662745	5.7	216778.053
Pt	195	1	He	0.006008	114.8	150.003
Hg	202	1	He	0.017736	11.9	173.340
Tl	205	1	He	0.009934	19.8	1071.713
Pb	206	1	He	0.034496	10.9	596.683
Pb	207	1	He	0.025562	18.7	1128.383
Pb	208	1	He	0.032615	12.0	2986.793
Bi	209	1	He	0.007944	46.4	1700.130
Th	232	1	He	0.012940	13.7	890.037
U	238	1	He	0.813380	5.5	54473.003

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.41727176	813847.377
Sc	45	2	H2	77.38171930	5186255.667
Ge	72	1	He	73.09555905	494960.333
Ge	72	2	H2	77.59547798	1407468.293
In	115	1	He	77.17905588	5625885.060
Tb	159	1	He	80.65503270	13059839.807
Ir	193	1	He	78.59686466	6144091.370

Sample Name	10607799003_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	217SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:11:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.407247	11.9	309.667
Be	9	2	H2	0.012578	25.6	11.833
B	11	2	H2	2.033502	28.7	3560.397
Na	23	1	He	336.895342	0.3	542152.177
Mg	24	1	He	616.500978	0.8	539456.500
Al	27	1	He	1.581994	3.5	948.697
Si	28	2	H2	448.323923	7.0	1639281.003
K	39	1	He	64.079923	1.1	188870.143
Ca	43	1	He	2427.943389	1.3	9672.790
Ca	44	1	He	2478.215508	1.2	165357.650
Ti	47	1	He	0.018811	15.0	10.667
V	51	1	He	0.015008	637.3	-1283.030
Cr	52	1	He	0.092203	6.9	1574.077
Mn	55	1	He	-0.007365		702.687
Fe	56	1	He	0.775199	2.4	22644.857
Co	59	1	He	0.008094	12.9	226.000
Ni	60	1	He	-0.076718		382.677
Cu	63	1	He	0.066622	9.7	994.700
Zn	66	1	He	0.124784	3.6	467.343
As	75	1	He	0.000038	7647.2	220.667
Se	78	2	H2	0.005201	8.6	19.333
Sr	88	1	He	10.145405	0.9	167295.573
Mo	95	1	He	0.027183	20.4	206.667
Pd	105	1	He	0.003793	89.6	70.000
Ag	107	1	He	0.077517	9.4	2385.193
Cd	111	1	He	0.000563	224.2	4.940
Sn	118	1	He	0.105319	7.8	1250.060
Sb	121	1	He	0.007178	31.7	178.333
Ba	138	1	He	0.319115	1.8	10945.293
Pt	195	1	He	0.003052	85.6	116.667
Hg	202	1	He	0.004645	50.3	96.667
Tl	205	1	He	-0.003833		483.347
Pb	206	1	He	0.002727	72.5	125.000
Pb	207	1	He	-0.004387		781.693
Pb	208	1	He	0.001890	61.5	1218.370
Bi	209	1	He	-0.001877		1286.747
Th	232	1	He	0.002994	33.2	256.673
U	238	1	He	0.037642	0.6	2753.607

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	79.09555207	865010.313
Sc	45	2	H2	78.58413305	5266843.500
Ge	72	1	He	77.71819435	526262.113
Ge	72	2	H2	80.01560416	1451365.837
In	115	1	He	81.73337367	5957867.203
Tb	159	1	He	83.88196060	13582351.050
Ir	193	1	He	83.43552135	6522339.903

Sample Name	10607799004_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	218SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:14:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.287839	6.2	3318.127
Be	9	2	H2	0.032938	47.7	22.500
B	11	2	H2	13.374382	8.7	9782.767
Na	23	1	He	5933.958477	1.3	9037212.573
Mg	24	1	He	14328.21950	1.4	12105527.737
Al	27	1	He	4.380840	3.0	2201.137
Si	28	2	H2	5759.766220	7.1	20618363.333
K	39	1	He	739.918532	1.0	1033468.840
Ca	43	1	He	65294.15665	1.5	252242.730
Ca	44	1	He	66035.45287	1.9	4272083.513
Ti	47	1	He	0.093503	7.8	41.333
V	51	1	He	0.166199	66.6	231.417
Cr	52	1	He	1.723517	0.8	20659.757
Mn	55	1	He	0.260459	1.5	3054.937
Fe	56	1	He	10.648614	0.7	127844.353
Co	59	1	He	0.180034	1.3	3120.953
Ni	60	1	He	-0.010373		644.013
Cu	63	1	He	0.168437	7.9	2044.790
Zn	66	1	He	1.401385	2.6	3253.640
As	75	1	He	0.231043	5.4	628.510
Se	78	2	H2	0.479564	2.3	450.677
Sr	88	1	He	135.130126	1.6	2157198.043
Mo	95	1	He	0.285219	11.1	1916.790
Pd	105	1	He	0.015169	33.1	183.337
Ag	107	1	He	0.021947	14.7	1183.387
Cd	111	1	He	0.017732	17.8	71.093
Sn	118	1	He	0.040146	1.0	550.013
Sb	121	1	He	0.119903	3.4	1665.100
Ba	138	1	He	21.306671	1.1	709870.223
Pt	195	1	He	0.010199	44.1	203.340
Hg	202	1	He	0.016637	16.1	170.007
Tl	205	1	He	0.001391	100.2	711.690
Pb	206	1	He	0.035688	6.1	630.020
Pb	207	1	He	0.023247	30.0	1123.383
Pb	208	1	He	0.032094	7.6	3030.133
Bi	209	1	He	0.011418	32.6	1900.150
Th	232	1	He	0.008063	11.7	591.680
U	238	1	He	0.832863	1.3	57597.313

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.76043050	839472.793
Sc	45	2	H2	77.26968845	5178747.167
Ge	72	1	He	75.09021120	508466.950
Ge	72	2	H2	77.57885573	1407166.790
In	115	1	He	79.21259855	5774117.987
Tb	159	1	He	82.47081731	13353855.633
Ir	193	1	He	81.02106605	6333596.573

Sample Name	10607799004_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	219SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:18:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.307248	14.4	244.833
Be	9	2	H2	0.014601	34.6	12.833
B	11	2	H2	1.857845	49.1	3433.730
Na	23	1	He	309.432029	1.3	495593.613
Mg	24	1	He	713.452425	1.7	619451.750
Al	27	1	He	1.418268	2.2	865.353
Si	28	2	H2	293.825346	6.2	1068910.040
K	39	1	He	56.206230	4.5	177402.237
Ca	43	1	He	3233.369984	1.8	12788.140
Ca	44	1	He	3321.390621	1.5	219998.857
Ti	47	1	He	0.003257	143.0	4.000
V	51	1	He	-0.012156		-1554.877
Cr	52	1	He	0.109214	5.9	1766.760
Mn	55	1	He	-0.044229		363.340
Fe	56	1	He	0.924385	2.6	24122.070
Co	59	1	He	0.007321	19.4	211.333
Ni	60	1	He	-0.130677		151.333
Cu	63	1	He	0.024976	16.0	532.677
Zn	66	1	He	0.080681	6.7	365.340
As	75	1	He	0.000024	50208.	219.500
Se	78	2	H2	0.021679	23.8	34.333
Sr	88	1	He	6.536060	1.5	107588.223
Mo	95	1	He	0.012259	25.0	103.333
Pd	105	1	He	0.005097	57.6	83.333
Ag	107	1	He	0.030007	15.5	1386.733
Cd	111	1	He	0.001402	185.6	8.303
Sn	118	1	He	0.102580	3.1	1218.390
Sb	121	1	He	0.007565	29.0	183.333
Ba	138	1	He	1.072470	1.4	36243.863
Pt	195	1	He	0.003096	14.4	116.667
Hg	202	1	He	0.013722	92.7	153.337
Tl	205	1	He	-0.008430		270.003
Pb	206	1	He	0.003626	59.4	138.333
Pb	207	1	He	-0.007077		741.690
Pb	208	1	He	0.001580	226.1	1191.697
Bi	209	1	He	-0.001301		1306.750
Th	232	1	He	0.002348	37.4	210.003
U	238	1	He	0.040311	6.6	2915.297

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	78.54080931	858943.497
Sc	45	2	H2	77.93847168	5223570.167
Ge	72	1	He	77.32697575	523613.010
Ge	72	2	H2	79.07939716	1434384.413
In	115	1	He	81.53734236	5943577.710
Tb	159	1	He	83.36287898	13498300.217
Ir	193	1	He	82.64039924	6460183.443

Sample Name	10607799005_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	220SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:21:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.164073	4.9	1996.440
Be	9	2	H2	0.015309	68.0	12.833
B	11	2	H2	11.654819	2.5	8775.563
Na	23	1	He	6480.110249	2.2	9826160.270
Mg	24	1	He	6714.305852	2.2	5650254.290
Al	27	1	He	21.666715	2.5	10066.767
Si	28	2	H2	6217.424820	6.0	22143469.333
K	39	1	He	510.395063	1.8	741617.747
Ca	43	1	He	37332.67249	1.7	143619.283
Ca	44	1	He	37905.95249	2.5	2441972.610
Ti	47	1	He	0.334502	7.6	140.667
V	51	1	He	0.185284	71.3	418.703
Cr	52	1	He	1.296659	1.5	15588.037
Mn	55	1	He	4.363118	1.9	39241.680
Fe	56	1	He	26.747062	2.0	299196.053
Co	59	1	He	0.248253	4.2	4290.523
Ni	60	1	He	1.276311	4.8	5985.683
Cu	63	1	He	3.223827	1.0	34728.740
Zn	66	1	He	4.487522	0.3	10070.183
As	75	1	He	0.618376	4.8	1330.550
Se	78	2	H2	0.419680	5.9	394.003
Sr	88	1	He	57.685691	0.9	923861.083
Mo	95	1	He	0.895046	5.1	5999.430
Pd	105	1	He	0.009535	31.0	126.667
Ag	107	1	He	0.004980	125.2	841.697
Cd	111	1	He	0.006606	52.7	28.200
Sn	118	1	He	0.130843	8.7	1475.077
Sb	121	1	He	0.110845	6.0	1550.083
Ba	138	1	He	30.104039	0.6	1009624.857
Pt	195	1	He	0.008202	48.3	180.007
Hg	202	1	He	0.016460	53.6	170.003
Tl	205	1	He	-0.004158		463.347
Pb	206	1	He	0.138529	2.7	2226.840
Pb	207	1	He	0.118329	4.2	2360.197
Pb	208	1	He	0.127873	4.0	8899.330
Bi	209	1	He	0.001731	312.5	1446.760
Th	232	1	He	0.019996	8.3	1408.413
U	238	1	He	0.294670	2.1	20582.003

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.44304959	836001.830
Sc	45	2	H2	76.89089581	5153359.833
Ge	72	1	He	75.41173240	510644.103
Ge	72	2	H2	77.16848870	1399723.333
In	115	1	He	79.46142744	5792256.103
Tb	159	1	He	83.02525026	13443630.633
Ir	193	1	He	81.64808436	6382611.987

Sample Name	10607799005_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	221SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:25:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.200086	22.5	177.500
Be	9	2	H2	0.007490	58.9	9.000
B	11	2	H2	0.813937	38.5	2833.607
Na	23	1	He	341.288029	5.7	520093.887
Mg	24	1	He	347.468664	5.6	289192.157
Al	27	1	He	2.505977	12.9	1310.050
Si	28	2	H2	312.303151	6.0	1129116.207
K	39	1	He	50.055942	14.1	161703.047
Ca	43	1	He	1911.424887	5.6	7215.407
Ca	44	1	He	1960.999597	4.6	124000.900
Ti	47	1	He	0.018779	58.1	10.000
V	51	1	He	0.003370	1111.1	-1328.737
Cr	52	1	He	0.079380	11.3	1344.720
Mn	55	1	He	0.158658	11.7	2101.463
Fe	56	1	He	1.526383	7.1	29326.373
Co	59	1	He	0.011298	1.5	268.000
Ni	60	1	He	-0.067507		400.677
Cu	63	1	He	0.168127	7.1	2006.787
Zn	66	1	He	0.267013	15.6	749.353
As	75	1	He	0.025613	64.0	254.333
Se	78	2	H2	0.024094	23.3	36.667
Sr	88	1	He	2.946166	5.1	46142.180
Mo	95	1	He	0.034912	18.2	248.340
Pd	105	1	He	-0.000172		26.667
Ag	107	1	He	0.016102	7.4	1041.707
Cd	111	1	He	0.002326	140.5	11.590
Sn	118	1	He	0.109050	13.7	1223.390
Sb	121	1	He	0.007422	58.0	171.667
Ba	138	1	He	1.542265	5.7	49967.007
Pt	195	1	He	0.004786	71.2	133.333
Hg	202	1	He	0.010364	81.8	126.667
Tl	205	1	He	0.011388	321.9	1090.477
Pb	206	1	He	0.006642	54.7	176.667
Pb	207	1	He	0.002569	367.9	835.030
Pb	208	1	He	0.005549	42.1	1378.370
Bi	209	1	He	-0.000359		1300.087
Th	232	1	He	0.002033	26.4	181.667
U	238	1	He	0.015343	11.3	1116.720

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.03603239	820614.310
Sc	45	2	H2	77.44814802	5190707.833
Ge	72	1	He	73.91985260	500541.967
Ge	72	2	H2	79.14682745	1435607.500
In	115	1	He	77.50113727	5649362.840
Tb	159	1	He	80.10855881	12971353.557
Ir	193	1	He	80.00537859	6254198.030

Sample Name	10607799006_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	222SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:28:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.986630	4.7	1823.257
Be	9	2	H2	0.013107	41.1	11.500
B	11	2	H2	13.002482	7.8	9199.080
Na	23	1	He	5532.822595	1.8	8301917.790
Mg	24	1	He	8207.370985	1.2	6832121.980
Al	27	1	He	4.882747	4.5	2394.827
Si	28	2	H2	6268.197235	6.7	21565028.667
K	39	1	He	839.457336	0.7	1141455.297
Ca	43	1	He	102103.9095	1.0	388572.800
Ca	44	1	He	103534.8328	1.9	6598398.330
Ti	47	1	He	0.117812	14.2	50.667
V	51	1	He	0.314985	22.7	1665.820
Cr	52	1	He	1.914570	2.1	22560.003
Mn	55	1	He	3.661536	1.7	32698.127
Fe	56	1	He	10.504142	1.1	124416.620
Co	59	1	He	0.150919	7.6	2577.533
Ni	60	1	He	0.225937	9.3	1588.743
Cu	63	1	He	0.396671	3.5	4387.220
Zn	66	1	He	3.886037	3.1	8536.047
As	75	1	He	0.320960	6.2	774.687
Se	78	2	H2	1.084191	0.8	964.030
Sr	88	1	He	211.170430	2.3	3300371.720
Mo	95	1	He	0.121881	14.9	813.363
Pd	105	1	He	0.037588	23.5	403.347
Ag	107	1	He	0.037411	30.0	1466.747
Cd	111	1	He	0.005864	45.2	24.757
Sn	118	1	He	0.059750	13.3	733.357
Sb	121	1	He	0.078971	5.3	1100.047
Ba	138	1	He	38.101764	1.1	1247074.720
Pt	195	1	He	0.014885	59.0	256.673
Hg	202	1	He	0.008446	22.9	116.667
Tl	205	1	He	-0.004735		426.677
Pb	206	1	He	0.024290	10.7	446.677
Pb	207	1	He	0.022287	31.2	1091.717
Pb	208	1	He	0.023806	7.6	2483.430
Bi	209	1	He	0.000187	2402.6	1340.087
Th	232	1	He	0.002227	42.2	195.003
U	238	1	He	0.770869	1.6	52650.067

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.61933425	826993.457
Sc	45	2	H2	74.30143413	4979809.667
Ge	72	1	He	73.61492074	498477.147
Ge	72	2	H2	74.68347526	1354648.830
In	115	1	He	77.55548180	5653324.227
Tb	159	1	He	81.02880275	13120361.473
Ir	193	1	He	80.01645460	6255063.867

Sample Name	10607799006_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	223SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:32:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.183504	10.0	168.000
Be	9	2	H2	0.008303	33.0	9.500
B	11	2	H2	1.777166	33.9	3393.780
Na	23	1	He	293.000096	2.8	461839.277
Mg	24	1	He	418.106867	1.1	357830.373
Al	27	1	He	1.434296	5.4	857.687
Si	28	2	H2	317.255372	5.8	1155788.917
K	39	1	He	60.529991	7.0	179774.597
Ca	43	1	He	5099.218198	1.9	19811.590
Ca	44	1	He	5281.514327	1.8	343627.400
Ti	47	1	He	0.011414	63.8	7.333
V	51	1	He	-0.016978		-1574.850
Cr	52	1	He	0.126339	3.7	1938.113
Mn	55	1	He	0.126666	2.0	1879.440
Fe	56	1	He	0.883997	2.6	23267.627
Co	59	1	He	0.005193	9.6	172.000
Ni	60	1	He	-0.114954		215.333
Cu	63	1	He	0.038211	15.5	668.683
Zn	66	1	He	0.234682	5.1	704.020
As	75	1	He	0.003512	75.8	223.000
Se	78	2	H2	0.058017	28.6	68.000
Sr	88	1	He	10.257176	0.3	167755.657
Mo	95	1	He	0.002110	113.1	33.333
Pd	105	1	He	0.005120	70.0	83.333
Ag	107	1	He	0.000557	1063.0	766.690
Cd	111	1	He	0.001856	119.3	9.993
Sn	118	1	He	0.092993	14.2	1111.717
Sb	121	1	He	0.004321	33.1	138.333
Ba	138	1	He	1.895952	2.3	64176.327
Pt	195	1	He	0.003064	13.0	116.667
Hg	202	1	He	0.002636	254.4	83.333
Tl	205	1	He	-0.009801		208.337
Pb	206	1	He	0.003387	86.4	135.000
Pb	207	1	He	-0.002801		800.030
Pb	208	1	He	0.000895	152.2	1153.363
Bi	209	1	He	-0.002124		1270.077
Th	232	1	He	0.001252	4.1	135.000
U	238	1	He	0.037550	5.9	2731.937

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.17212815	843975.230
Sc	45	2	H2	78.06025062	5231732.000
Ge	72	1	He	76.30226519	516674.270
Ge	72	2	H2	78.95737132	1432171.043
In	115	1	He	81.06753363	5909331.503
Tb	159	1	He	83.63379871	13542168.133
Ir	193	1	He	82.95327147	6484641.360

Sample Name	10607799007_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	224SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:36:02
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.641230	5.2	3466.653
Be	9	2	H2	0.005958	25.7	8.000
B	11	2	H2	12.732878	10.7	9249.197
Na	23	1	He	6056.712508	1.8	9085535.697
Mg	24	1	He	12555.94671	2.4	10448877.763
Al	27	1	He	16.587451	3.3	7668.263
Si	28	2	H2	6730.578823	6.2	23621122.000
K	39	1	He	775.557101	1.7	1062158.573
Ca	43	1	He	60972.78070	1.4	232023.557
Ca	44	1	He	62080.90545	2.2	3955878.117
Ti	47	1	He	0.260922	26.2	109.333
V	51	1	He	0.061531	157.0	-785.037
Cr	52	1	He	1.614630	2.9	19092.737
Mn	55	1	He	2.937006	0.9	26371.837
Fe	56	1	He	14.986576	2.0	171744.383
Co	59	1	He	0.083598	2.2	1473.400
Ni	60	1	He	1.851897	3.1	8229.903
Cu	63	1	He	0.433692	2.2	4805.990
Zn	66	1	He	2.132465	2.2	4794.657
As	75	1	He	0.118892	2.6	421.343
Se	78	2	H2	0.279103	4.3	262.333
Sr	88	1	He	136.257898	1.9	2120966.687
Mo	95	1	He	0.756611	1.9	4987.423
Pd	105	1	He	0.015246	16.2	180.003
Ag	107	1	He	0.027846	23.7	1271.730
Cd	111	1	He	0.011262	56.8	45.170
Sn	118	1	He	0.162784	1.5	1750.113
Sb	121	1	He	0.043511	14.8	638.350
Ba	138	1	He	5.717121	1.1	189923.820
Pt	195	1	He	0.010272	45.1	203.340
Hg	202	1	He	0.010294	52.8	130.000
Tl	205	1	He	-0.006272		363.343
Pb	206	1	He	0.043307	15.1	745.027
Pb	207	1	He	0.033220	42.4	1246.730
Pb	208	1	He	0.040216	4.2	3511.840
Bi	209	1	He	0.001651	226.8	1430.093
Th	232	1	He	0.005479	6.9	416.677
U	238	1	He	0.782875	0.9	54074.740

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.62156871	827017.893
Sc	45	2	H2	75.81195697	5081047.500
Ge	72	1	He	74.11565659	501867.837
Ge	72	2	H2	75.91383960	1376965.837
In	115	1	He	77.24801429	5630911.710
Tb	159	1	He	82.19750960	13309601.050
Ir	193	1	He	80.91705962	6325466.160

Sample Name	10607799007_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	225SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:39:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.315893	10.2	245.833
Be	9	2	H2	0.006908	149.7	8.667
B	11	2	H2	1.032985	28.5	2923.617
Na	23	1	He	310.267750	1.8	491027.050
Mg	24	1	He	620.227793	2.3	532467.987
Al	27	1	He	2.035869	7.7	1140.703
Si	28	2	H2	339.216605	7.1	1211016.127
K	39	1	He	57.044322	3.1	176376.230
Ca	43	1	He	3002.647574	2.0	11735.807
Ca	44	1	He	3090.167440	2.5	202256.343
Ti	47	1	He	0.027201	62.9	14.000
V	51	1	He	0.004665	833.3	-1366.947
Cr	52	1	He	0.100622	7.8	1644.747
Mn	55	1	He	0.086764	4.6	1532.737
Fe	56	1	He	0.877463	2.3	23329.023
Co	59	1	He	0.001263	50.2	104.000
Ni	60	1	He	-0.046185		501.343
Cu	63	1	He	0.037477	5.8	657.347
Zn	66	1	He	0.164266	5.6	544.010
As	75	1	He	-0.009948		197.333
Se	78	2	H2	0.013867	58.5	26.667
Sr	88	1	He	6.470386	0.8	105353.330
Mo	95	1	He	0.031374	22.7	230.000
Pd	105	1	He	0.004217	35.3	73.333
Ag	107	1	He	0.001465	454.3	781.693
Cd	111	1	He	0.000572	221.8	4.930
Sn	118	1	He	0.113051	5.5	1313.397
Sb	121	1	He	-0.001305		61.667
Ba	138	1	He	0.285527	3.7	9731.230
Pt	195	1	He	0.000727	263.2	86.667
Hg	202	1	He	0.004246	57.8	93.333
Tl	205	1	He	-0.011304		138.333
Pb	206	1	He	0.001160	114.7	100.000
Pb	207	1	He	-0.001750		810.033
Pb	208	1	He	0.000893	81.2	1148.370
Bi	209	1	He	-0.003377		1203.403
Th	232	1	He	0.001210	19.4	131.667
U	238	1	He	0.036974	7.5	2681.930

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.61475317	848815.897
Sc	45	2	H2	76.49386032	5126749.833
Ge	72	1	He	75.89310696	513903.690
Ge	72	2	H2	77.53711697	1406409.710
In	115	1	He	80.65508647	5879266.607
Tb	159	1	He	83.23927281	13478285.633
Ir	193	1	He	82.63715589	6459929.903

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	226_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:43:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	78.122210	6.8	46138.287
Be	9	2	H2	77.779372	5.9	39133.353
B	11	2	H2	75.857168	4.0	42381.687
Na	23	1	He	2027.873430	0.0	3055153.080
Mg	24	1	He	2002.885372	0.8	1671503.723
Al	27	1	He	1948.937779	0.5	879640.707
Si	28	2	H2	959.637375	6.7	3290253.000
K	39	1	He	2027.649895	0.4	2617226.213
Ca	43	1	He	1946.516760	1.7	7426.277
Ca	44	1	He	1960.926461	1.3	125280.917
Ti	47	1	He	75.699893	0.9	30966.253
V	51	1	He	80.472099	0.7	777390.860
Cr	52	1	He	80.670293	0.7	933688.000
Mn	55	1	He	82.437464	0.3	721180.167
Fe	56	1	He	1016.925625	0.6	10769131.000
Co	59	1	He	81.979940	1.3	1389236.457
Ni	60	1	He	82.039495	0.5	340932.467
Cu	63	1	He	83.879488	0.7	896694.393
Zn	66	1	He	80.603960	0.6	177734.507
As	75	1	He	78.119201	0.3	141177.807
Se	78	2	H2	75.736592	1.9	67517.017
Sr	88	1	He	74.892735	0.9	1164072.483
Mo	95	1	He	80.825157	0.9	539776.127
Pd	105	1	He	77.889790	0.9	772759.700
Ag	107	1	He	38.668715	2.8	764967.670
Cd	111	1	He	77.001298	1.8	289732.503
Sn	118	1	He	76.308306	1.1	754083.427
Sb	121	1	He	74.281563	0.6	957690.507
Ba	138	1	He	78.513190	0.4	2569691.370
Pt	195	1	He	78.593991	1.6	957123.320
Hg	202	1	He	3.722559	2.7	22923.280
Tl	205	1	He	40.068755	0.8	1783569.973
Pb	206	1	He	79.875669	1.0	1207122.873
Pb	207	1	He	83.492380	1.3	1054251.627
Pb	208	1	He	81.761565	0.4	4874131.650
Bi	209	1	He	84.365670	1.3	3958431.400
Th	232	1	He	77.811129	0.3	5255921.590
U	238	1	He	75.879256	0.7	5243143.047

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.71191244	828005.917
Sc	45	2	H2	73.92410121	4954520.167
Ge	72	1	He	75.36571248	510332.483
Ge	72	2	H2	75.94225277	1377481.210
In	115	1	He	77.12805630	5622167.500
Tb	159	1	He	81.02815684	13120256.887
Ir	193	1	He	81.05499486	6336248.863

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	227_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:46:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.032810	54.7	71.167
Be	9	2	H2	0.016682	31.8	13.333
B	11	2	H2	0.741809	95.2	2706.927
Na	23	1	He	12.321557	2.4	31563.557
Mg	24	1	He	-2.169716		905.033
Al	27	1	He	0.945292	8.7	609.343
Si	28	2	H2	-0.031925		9413.780
K	39	1	He	22.425885	4.9	126739.777
Ca	43	1	He	1.981867	17.1	15.453
Ca	44	1	He	0.807899	88.6	191.587
Ti	47	1	He	0.012097	85.3	7.333
V	51	1	He	-0.082770		-2141.950
Cr	52	1	He	-0.001527		414.677
Mn	55	1	He	-0.068303		137.333
Fe	56	1	He	0.007266	310.9	13305.577
Co	59	1	He	-0.000011		79.333
Ni	60	1	He	-0.137585		115.333
Cu	63	1	He	0.001371	175.7	259.333
Zn	66	1	He	0.023700	92.1	224.000
As	75	1	He	-0.005881		197.500
Se	78	2	H2	0.013086	78.4	25.333
Sr	88	1	He	0.002043	97.4	213.333
Mo	95	1	He	0.009254	71.1	78.333
Pd	105	1	He	0.003187	31.0	60.000
Ag	107	1	He	0.215372	17.8	4984.110
Cd	111	1	He	0.005066	15.2	21.643
Sn	118	1	He	0.021521	37.7	351.673
Sb	121	1	He	0.011426	11.3	223.333
Ba	138	1	He	0.003734	9.4	250.003
Pt	195	1	He	0.005635	15.9	143.333
Hg	202	1	He	0.021152	57.0	193.337
Tl	205	1	He	0.039933	28.9	2395.213
Pb	206	1	He	0.002403	134.5	115.000
Pb	207	1	He	-0.000490		798.367
Pb	208	1	He	0.002713	109.2	1216.710
Bi	209	1	He	0.001683	36.9	1400.087
Th	232	1	He	0.012132	20.3	860.030
U	238	1	He	0.003562	18.3	318.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.32702130	812860.373
Sc	45	2	H2	74.78503609	5012221.500
Ge	72	1	He	73.21636000	495778.327
Ge	72	2	H2	75.74799765	1373957.707
In	115	1	He	77.18515296	5626329.500
Tb	159	1	He	80.45077050	13026765.223
Ir	193	1	He	80.49919212	6292800.530

Sample Name	10607799008_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	228SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:50:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.126520	5.4	731.347
Be	9	2	H2	0.025837	55.6	18.167
B	11	2	H2	8.349690	17.8	6851.363
Na	23	1	He	4607.367814	2.0	6841706.773
Mg	24	1	He	12562.79797	2.1	10344757.140
Al	27	1	He	6.435983	0.9	3061.923
Si	28	2	H2	4328.204620	7.0	15143686.333
K	39	1	He	736.539620	2.1	1003105.220
Ca	43	1	He	45970.29297	2.1	173083.390
Ca	44	1	He	46862.53236	2.0	2954772.197
Ti	47	1	He	0.109383	37.2	46.667
V	51	1	He	1.107880	10.8	9227.753
Cr	52	1	He	0.771066	3.8	9247.713
Mn	55	1	He	0.780942	3.2	7472.233
Fe	56	1	He	4.815353	0.7	63643.570
Co	59	1	He	0.475271	5.1	7917.100
Ni	60	1	He	0.077678	4.8	984.697
Cu	63	1	He	0.560211	3.0	6073.043
Zn	66	1	He	1.916182	5.7	4281.193
As	75	1	He	0.590695	5.5	1245.543
Se	78	2	H2	9.963269	0.8	8943.923
Sr	88	1	He	73.501276	1.6	1142919.617
Mo	95	1	He	0.128203	2.1	851.697
Pd	105	1	He	0.012593	8.6	153.333
Ag	107	1	He	0.086651	16.7	2433.530
Cd	111	1	He	0.018278	30.0	71.410
Sn	118	1	He	0.064544	8.1	776.690
Sb	121	1	He	0.384425	2.3	5034.127
Ba	138	1	He	21.752919	2.0	712846.370
Pt	195	1	He	0.007712	54.1	170.003
Hg	202	1	He	0.018168	58.2	176.673
Tl	205	1	He	0.018552	23.0	1465.080
Pb	206	1	He	0.028978	17.7	518.347
Pb	207	1	He	0.017585	46.3	1033.380
Pb	208	1	He	0.025490	10.2	2586.770
Bi	209	1	He	0.012940	14.2	1940.150
Th	232	1	He	0.010385	19.5	740.027
U	238	1	He	0.268694	1.8	18410.953

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.81835884	818233.773
Sc	45	2	H2	75.54860203	5063397.000
Ge	72	1	He	73.36650194	496795.000
Ge	72	2	H2	76.34821389	1384844.750
In	115	1	He	77.15642217	5624235.200
Tb	159	1	He	81.12612313	13136119.803
Ir	193	1	He	80.06861508	6259141.367

Sample Name	10607799008_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	229SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:53:52
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.078375	21.4	100.833
Be	9	2	H2	0.007819	52.1	9.000
B	11	2	H2	0.680642	48.1	2733.590
Na	23	1	He	242.206577	1.4	384753.207
Mg	24	1	He	638.816349	2.0	546041.397
Al	27	1	He	1.528693	3.8	902.357
Si	28	2	H2	222.373210	6.6	798484.290
K	39	1	He	54.868590	1.9	172870.020
Ca	43	1	He	2285.912506	0.7	8898.463
Ca	44	1	He	2376.856932	2.0	154951.660
Ti	47	1	He	0.009811	28.4	6.667
V	51	1	He	0.062415	69.3	-791.240
Cr	52	1	He	0.096132	9.9	1584.073
Mn	55	1	He	-0.018107		590.677
Fe	56	1	He	0.566282	3.8	19870.243
Co	59	1	He	0.021351	14.0	448.677
Ni	60	1	He	-0.126827		165.333
Cu	63	1	He	0.043746	7.5	728.020
Zn	66	1	He	0.138920	2.8	490.010
As	75	1	He	0.008002	55.0	231.000
Se	78	2	H2	0.519416	5.8	491.010
Sr	88	1	He	3.595172	1.7	58395.007
Mo	95	1	He	0.007060	80.6	66.667
Pd	105	1	He	0.004256	86.6	73.333
Ag	107	1	He	0.048536	32.6	1746.773
Cd	111	1	He	0.004428	58.4	19.980
Sn	118	1	He	0.111175	19.9	1288.393
Sb	121	1	He	0.016723	25.8	303.343
Ba	138	1	He	1.099599	1.2	36880.280
Pt	195	1	He	0.005837	95.8	150.003
Hg	202	1	He	0.016008	34.4	166.670
Tl	205	1	He	-0.004353		453.343
Pb	206	1	He	0.001534	58.0	105.000
Pb	207	1	He	-0.000470		821.697
Pb	208	1	He	0.001666	74.5	1188.367
Bi	209	1	He	0.000357	876.2	1376.753
Th	232	1	He	0.003447	23.7	283.337
U	238	1	He	0.014423	11.2	1083.383

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.27959502	845150.517
Sc	45	2	H2	76.64662175	5136988.167
Ge	72	1	He	76.23919368	516247.187
Ge	72	2	H2	78.24253704	1419204.997
In	115	1	He	80.33667840	5856056.590
Tb	159	1	He	82.73985084	13397418.133
Ir	193	1	He	82.01267735	6411113.030

Sample Name	10607799009_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	230SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:57:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.092265	4.8	3679.863
Be	9	2	H2	0.006584	45.4	8.167
B	11	2	H2	13.256065	3.9	9372.547
Na	23	1	He	5452.077965	2.0	8104249.463
Mg	24	1	He	17642.22915	1.7	14545701.033
Al	27	1	He	7.460063	3.2	3522.673
Si	28	2	H2	5559.905207	6.6	19213765.333
K	39	1	He	649.819578	1.4	897986.703
Ca	43	1	He	57811.52466	2.0	217952.537
Ca	44	1	He	58664.01829	2.6	3703578.440
Ti	47	1	He	0.114464	61.7	48.667
V	51	1	He	0.145524	111.1	35.260
Cr	52	1	He	4.149026	3.4	47918.320
Mn	55	1	He	0.885296	3.6	8385.963
Fe	56	1	He	10.761617	1.6	125949.070
Co	59	1	He	0.075148	4.4	1320.053
Ni	60	1	He	0.826382	2.3	4010.467
Cu	63	1	He	0.534109	1.8	5806.953
Zn	66	1	He	2.932922	2.8	6467.183
As	75	1	He	0.321826	4.4	774.020
Se	78	2	H2	2.873038	2.1	2552.520
Sr	88	1	He	122.356237	1.8	1908590.073
Mo	95	1	He	0.238978	3.7	1573.417
Pd	105	1	He	0.023576	24.3	263.343
Ag	107	1	He	0.042824	16.7	1571.757
Cd	111	1	He	0.002280	32.3	11.193
Sn	118	1	He	0.047661	14.7	611.683
Sb	121	1	He	0.079932	8.1	1110.047
Ba	138	1	He	4.921515	1.3	161776.217
Pt	195	1	He	0.005511	22.5	143.333
Hg	202	1	He	0.002432	406.5	80.000
Tl	205	1	He	-0.003429		486.677
Pb	206	1	He	0.024401	24.9	450.013
Pb	207	1	He	0.020799	28.2	1076.717
Pb	208	1	He	0.022797	5.5	2431.763
Bi	209	1	He	-0.001682		1256.747
Th	232	1	He	0.002891	25.5	240.003
U	238	1	He	0.369745	2.5	25343.913

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.91933965	819338.127
Sc	45	2	H2	74.57674042	4998261.167
Ge	72	1	He	73.42194334	497170.417
Ge	72	2	H2	75.28035606	1365475.373
In	115	1	He	77.40784533	5642562.423
Tb	159	1	He	81.32032132	13167564.800
Ir	193	1	He	80.18421723	6268178.243

Sample Name	10607799009_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	231SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:00:59
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.335779	13.3	261.667
Be	9	2	H2	0.006842	36.5	8.667
B	11	2	H2	0.562574	67.0	2706.920
Na	23	1	He	276.903928	0.2	440982.990
Mg	24	1	He	880.445901	0.4	756860.403
Al	27	1	He	1.521081	4.9	905.357
Si	28	2	H2	282.729028	6.3	1025271.023
K	39	1	He	49.125345	3.5	166774.243
Ca	43	1	He	2843.616583	1.8	11146.723
Ca	44	1	He	2949.087192	0.6	193584.510
Ti	47	1	He	0.017616	71.2	10.000
V	51	1	He	-0.061331		-2027.153
Cr	52	1	He	0.256301	2.7	3500.350
Mn	55	1	He	-0.011366		655.347
Fe	56	1	He	0.873135	2.6	23347.040
Co	59	1	He	0.001216	27.0	104.000
Ni	60	1	He	-0.090694		318.000
Cu	63	1	He	0.033754	8.6	622.013
Zn	66	1	He	0.155173	15.9	528.010
As	75	1	He	0.011391	114.3	238.000
Se	78	2	H2	0.130090	7.1	135.667
Sr	88	1	He	5.900033	0.8	96091.003
Mo	95	1	He	0.011190	36.7	95.000
Pd	105	1	He	0.003247	104.2	63.333
Ag	107	1	He	0.036898	23.7	1515.083
Cd	111	1	He	-0.000688		-0.030
Sn	118	1	He	0.102389	9.7	1203.390
Sb	121	1	He	0.002407	90.5	111.667
Ba	138	1	He	0.242046	5.3	8263.787
Pt	195	1	He	0.000972	211.2	90.000
Hg	202	1	He	0.006878	59.8	110.000
Tl	205	1	He	-0.008964		245.000
Pb	206	1	He	0.000303	605.8	86.667
Pb	207	1	He	-0.006849		743.360
Pb	208	1	He	-0.000918		1036.697
Bi	209	1	He	0.000550	417.3	1393.427
Th	232	1	He	0.000797	76.0	103.333
U	238	1	He	0.019128	0.4	1425.080

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.83014836	851171.517
Sc	45	2	H2	77.58452422	5199848.000
Ge	72	1	He	76.48615734	517919.480
Ge	72	2	H2	79.41834901	1440532.503
In	115	1	He	80.66111537	5879706.077
Tb	159	1	He	83.19078758	13470434.800
Ir	193	1	He	82.74400864	6468282.820

Sample Name	10607799010_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	232SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:04:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.958937	4.3	3023.243
Be	9	2	H2	0.024424	14.3	17.333
B	11	2	H2	16.035895	9.3	10930.053
Na	23	1	He	14400.07100	1.3	21544140.513
Mg	24	1	He	25017.03676	1.6	20780086.357
Al	27	1	He	22.984025	0.5	10532.997
Si	28	2	H2	5863.035507	8.2	20376152.000
K	39	1	He	1314.139742	1.4	1726407.527
Ca	43	1	He	50195.20682	1.4	190665.323
Ca	44	1	He	50901.47851	1.5	3237836.567
Ti	47	1	He	0.513409	11.7	212.000
V	51	1	He	0.946644	7.8	7754.370
Cr	52	1	He	1.131414	3.1	13487.037
Mn	55	1	He	40.482751	1.4	353428.900
Fe	56	1	He	34.408051	1.6	376196.157
Co	59	1	He	0.388632	2.8	6554.540
Ni	60	1	He	0.784724	3.5	3877.097
Cu	63	1	He	0.362627	4.1	4057.803
Zn	66	1	He	5.580490	1.0	12262.210
As	75	1	He	0.536046	3.0	1161.540
Se	78	2	H2	6.998636	1.6	6257.777
Sr	88	1	He	269.316864	1.4	4182002.123
Mo	95	1	He	0.674065	3.8	4443.937
Pd	105	1	He	0.045240	26.0	476.687
Ag	107	1	He	0.033349	17.1	1376.737
Cd	111	1	He	0.025563	9.1	98.667
Sn	118	1	He	0.098898	12.0	1115.050
Sb	121	1	He	0.105276	6.7	1431.743
Ba	138	1	He	44.781142	0.9	1480182.687
Pt	195	1	He	0.010608	89.2	206.673
Hg	202	1	He	0.009349	95.4	123.333
Tl	205	1	He	0.030707	4.7	2023.487
Pb	206	1	He	0.111025	5.8	1775.113
Pb	207	1	He	0.105964	5.7	2168.500
Pb	208	1	He	0.110943	1.8	7752.440
Bi	209	1	He	0.015332	19.3	2070.180
Th	232	1	He	0.015344	4.3	1070.047
U	238	1	He	0.813406	2.8	55564.993

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.48037188	825473.727
Sc	45	2	H2	75.07318647	5031533.833
Ge	72	1	He	74.10146556	501771.743
Ge	72	2	H2	76.01310102	1378766.293
In	115	1	He	77.05405028	5616772.910
Tb	159	1	He	81.82796740	13249763.967
Ir	193	1	He	80.04057865	6256949.697

Sample Name	10607799010_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	233SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:08:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.288940	10.2	231.500
Be	9	2	H2	0.007518	71.5	9.000
B	11	2	H2	0.363301	94.0	2580.233
Na	23	1	He	733.049518	1.3	1141133.627
Mg	24	1	He	1260.382416	0.7	1079275.740
Al	27	1	He	2.417255	1.6	1317.383
Si	28	2	H2	300.839239	5.3	1085938.250
K	39	1	He	86.675482	0.8	214081.200
Ca	43	1	He	2512.544044	1.7	9822.583
Ca	44	1	He	2551.986027	0.5	167077.417
Ti	47	1	He	0.044709	12.2	21.333
V	51	1	He	0.060336	65.7	-815.623
Cr	52	1	He	0.087889	3.5	1493.403
Mn	55	1	He	1.972315	1.2	18426.053
Fe	56	1	He	2.336653	0.9	39151.483
Co	59	1	He	0.017852	25.4	391.340
Ni	60	1	He	-0.094663		302.667
Cu	63	1	He	0.027546	13.7	557.343
Zn	66	1	He	0.317454	1.1	894.693
As	75	1	He	0.014804	83.8	245.333
Se	78	2	H2	0.327438	7.8	316.000
Sr	88	1	He	13.024639	0.1	210960.250
Mo	95	1	He	0.031934	27.6	236.673
Pd	105	1	He	0.001984	212.3	50.000
Ag	107	1	He	1.173401	86.7	24911.197
Cd	111	1	He	0.001854	68.7	9.930
Sn	118	1	He	0.109398	16.6	1270.060
Sb	121	1	He	0.006661	33.0	168.333
Ba	138	1	He	2.181748	0.9	73114.237
Pt	195	1	He	0.000740	378.3	86.667
Hg	202	1	He	0.006429	74.9	106.667
Tl	205	1	He	-0.007545		308.343
Pb	206	1	He	0.008752	28.5	216.670
Pb	207	1	He	0.002608	216.4	861.700
Pb	208	1	He	0.006717	25.6	1496.713
Bi	209	1	He	0.000268	273.3	1373.423
Th	232	1	He	0.000992	30.9	115.000
U	238	1	He	0.039445	6.5	2811.947

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.61708303	848841.377
Sc	45	2	H2	77.31285605	5181640.333
Ge	72	1	He	76.82263307	520197.897
Ge	72	2	H2	78.53984863	1424597.793
In	115	1	He	80.30503828	5853750.217
Tb	159	1	He	82.81970401	13410348.133
Ir	193	1	He	81.41887625	6364694.280

Sample Name	10607799011_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	234SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:11:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.640337	4.7	2905.560
Be	9	2	H2	0.008151	63.4	9.333
B	11	2	H2	12.038065	11.3	9015.687
Na	23	1	He	6554.309815	1.4	10007950.060
Mg	24	1	He	29547.25635	1.6	25029128.793
Al	27	1	He	11.468653	1.9	5458.477
Si	28	2	H2	5785.172477	5.7	20623690.667
K	39	1	He	1099.068153	1.4	1489352.163
Ca	43	1	He	44088.32835	1.0	170793.583
Ca	44	1	He	44868.85483	0.9	2910816.620
Ti	47	1	He	0.123675	3.5	54.000
V	51	1	He	1.189627	5.8	10303.817
Cr	52	1	He	2.692890	1.4	32116.973
Mn	55	1	He	0.750100	0.8	7414.207
Fe	56	1	He	16.063786	0.6	186428.470
Co	59	1	He	0.237127	1.2	4057.140
Ni	60	1	He	0.188221	12.6	1454.730
Cu	63	1	He	0.375993	3.8	4225.847
Zn	66	1	He	10.810579	2.3	23741.677
As	75	1	He	0.255130	5.4	667.343
Se	78	2	H2	0.176100	6.1	174.000
Sr	88	1	He	110.919833	0.7	1733925.963
Mo	95	1	He	0.627068	5.0	4162.210
Pd	105	1	He	0.015522	3.8	183.337
Ag	107	1	He	1.232405	82.0	25214.090
Cd	111	1	He	0.012202	11.0	48.753
Sn	118	1	He	0.163585	3.9	1765.113
Sb	121	1	He	5.962947	0.2	77387.273
Ba	138	1	He	45.271328	1.0	1496146.853
Pt	195	1	He	0.008154	23.3	176.673
Hg	202	1	He	0.012024	13.7	140.000
Tl	205	1	He	0.018802	5.9	1488.417
Pb	206	1	He	0.048357	4.0	818.363
Pb	207	1	He	0.040953	1.6	1340.067
Pb	208	1	He	0.046784	3.3	3890.217
Bi	209	1	He	-0.000227		1333.423
Th	232	1	He	0.002530	17.7	216.670
U	238	1	He	1.218327	0.8	83684.460

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.97604698	841830.833
Sc	45	2	H2	76.97653969	5159099.833
Ge	72	1	He	74.58173449	505023.843
Ge	72	2	H2	77.39561565	1403843.083
In	115	1	He	77.56581577	5654077.510
Tb	159	1	He	81.81753801	13248075.217
Ir	193	1	He	80.50990300	6293637.823

Sample Name	10607799011_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	235SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:15:14
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.239165	6.1	207.833
Be	9	2	H2	0.001482	240.9	6.000
B	11	2	H2	0.156018	229.5	2556.897
Na	23	1	He	338.117764	1.1	548530.277
Mg	24	1	He	1507.026033	0.8	1325332.793
Al	27	1	He	1.803343	1.6	1061.697
Si	28	2	H2	294.635889	6.8	1100525.247
K	39	1	He	74.870030	3.3	204513.760
Ca	43	1	He	2219.353966	1.2	8915.290
Ca	44	1	He	2277.858578	1.0	153236.000
Ti	47	1	He	0.007675	261.1	6.000
V	51	1	He	0.098563	132.8	-452.967
Cr	52	1	He	0.142211	2.2	2196.140
Mn	55	1	He	-0.028282		516.010
Fe	56	1	He	0.900571	5.3	24226.867
Co	59	1	He	0.008397	15.7	230.667
Ni	60	1	He	-0.123465		182.667
Cu	63	1	He	0.015428	14.7	429.343
Zn	66	1	He	0.541796	3.4	1412.063
As	75	1	He	0.018924	20.2	255.333
Se	78	2	H2	0.013311	88.5	27.000
Sr	88	1	He	5.284708	2.0	87484.760
Mo	95	1	He	0.029917	15.0	225.000
Pd	105	1	He	0.004129	158.1	73.333
Ag	107	1	He	0.123051	11.5	3350.360
Cd	111	1	He	0.000549	228.0	4.933
Sn	118	1	He	0.107207	2.6	1273.393
Sb	121	1	He	0.284813	5.5	3983.830
Ba	138	1	He	2.154492	1.3	73743.493
Pt	195	1	He	-0.000691		70.000
Hg	202	1	He	0.002977	83.0	86.667
Tl	205	1	He	-0.009667		216.670
Pb	206	1	He	0.001384	26.0	105.000
Pb	207	1	He	0.003977	160.5	898.367
Pb	208	1	He	0.001726	65.8	1218.367
Bi	209	1	He	-0.002344		1276.753
Th	232	1	He	0.000375	4.2	75.000
U	238	1	He	0.060609	5.7	4397.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	79.74934385	872160.357
Sc	45	2	H2	80.01603709	5362812.167
Ge	72	1	He	77.56810754	525245.813
Ge	72	2	H2	80.52711644	1460643.920
In	115	1	He	81.96791312	5974963.707
Tb	159	1	He	84.59795775	13698286.880
Ir	193	1	He	83.64563435	6538764.903

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	236_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:18:50
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	77.792543	5.9	47512.863
Be	9	2	H2	77.383683	4.9	40261.410
B	11	2	H2	76.796588	6.3	44343.373
Na	23	1	He	2032.395076	0.8	3082610.890
Mg	24	1	He	2016.844780	1.5	1694367.003
Al	27	1	He	1954.832059	0.7	888220.063
Si	28	2	H2	961.861561	6.0	3410270.750
K	39	1	He	2043.710888	1.5	2654801.313
Ca	43	1	He	1948.635840	2.9	7482.673
Ca	44	1	He	1945.699698	1.1	125130.130
Ti	47	1	He	76.065199	0.9	31327.513
V	51	1	He	80.587436	0.8	783782.247
Cr	52	1	He	80.837782	0.5	941877.897
Mn	55	1	He	82.124443	0.4	723323.293
Fe	56	1	He	1021.583442	1.5	10890549.000
Co	59	1	He	82.481196	1.2	1409057.877
Ni	60	1	He	81.966652	1.0	343409.810
Cu	63	1	He	83.868152	0.3	903960.893
Zn	66	1	He	80.376626	1.0	178689.957
As	75	1	He	78.194088	0.9	142468.470
Se	78	2	H2	77.051604	0.5	69740.527
Sr	88	1	He	74.786655	1.3	1174926.050
Mo	95	1	He	81.545556	0.5	549044.223
Pd	105	1	He	77.093572	0.6	773008.037
Ag	107	1	He	39.981057	5.5	799676.290
Cd	111	1	He	76.919505	1.2	292572.823
Sn	118	1	He	75.861397	0.2	757730.067
Sb	121	1	He	73.332169	0.8	955575.063
Ba	138	1	He	78.226234	1.3	2585148.867
Pt	195	1	He	76.836603	1.0	944946.730
Hg	202	1	He	3.540939	3.2	22025.613
Tl	205	1	He	39.438157	0.6	1772576.793
Pb	206	1	He	78.907005	0.8	1204179.463
Pb	207	1	He	81.809446	1.2	1043201.780
Pb	208	1	He	80.511931	0.7	4846544.020
Bi	209	1	He	84.047088	1.0	3981417.337
Th	232	1	He	78.263365	0.7	5281081.173
U	238	1	He	76.120293	0.7	5253930.443

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.22444459	833611.107
Sc	45	2	H2	76.38843429	5119684.000
Ge	72	1	He	75.98238816	514508.250
Ge	72	2	H2	77.08525890	1398213.667
In	115	1	He	77.95199298	5682227.487
Tb	159	1	He	81.81724723	13248028.133
Ir	193	1	He	80.96987834	6329595.117

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	237_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:22:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.038619	36.5	75.000
Be	9	2	H2	0.017548	6.1	13.833
B	11	2	H2	0.204383	93.8	2426.877
Na	23	1	He	10.366766	2.9	29136.277
Mg	24	1	He	-1.996460		1063.370
Al	27	1	He	0.923469	8.0	609.343
Si	28	2	H2	0.017539	238.0	9626.560
K	39	1	He	23.755723	6.4	130393.593
Ca	43	1	He	1.129693	147.8	12.490
Ca	44	1	He	0.821294	132.4	195.187
Ti	47	1	He	0.016706	15.9	9.333
V	51	1	He	-0.023709		-1607.480
Cr	52	1	He	0.001063	623.0	451.343
Mn	55	1	He	-0.064745		170.667
Fe	56	1	He	0.047009	59.7	13935.483
Co	59	1	He	0.003285	75.8	135.333
Ni	60	1	He	-0.142242		98.000
Cu	63	1	He	0.003621	75.8	286.667
Zn	66	1	He	0.024450	81.3	228.667
As	75	1	He	0.014773	28.4	237.000
Se	78	2	H2	0.009838	23.5	22.667
Sr	88	1	He	0.000834	497.7	196.670
Mo	95	1	He	0.022515	16.3	166.667
Pd	105	1	He	0.007108	42.6	100.000
Ag	107	1	He	0.979474	64.8	20312.330
Cd	111	1	He	0.005416	73.4	23.283
Sn	118	1	He	0.015602	36.4	296.673
Sb	121	1	He	0.012493	26.8	240.000
Ba	138	1	He	0.004735	36.6	281.673
Pt	195	1	He	0.002632	66.4	106.667
Hg	202	1	He	0.032762	20.7	263.340
Tl	205	1	He	0.046038	27.4	2658.587
Pb	206	1	He	0.007207	36.0	186.667
Pb	207	1	He	0.004605	156.4	860.030
Pb	208	1	He	0.004992	53.9	1348.370
Bi	209	1	He	0.003619	117.8	1486.767
Th	232	1	He	0.013827	20.5	980.043
U	238	1	He	0.004685	13.8	396.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.50620732	825756.270
Sc	45	2	H2	75.15043258	5036711.000
Ge	72	1	He	74.25415990	502805.700
Ge	72	2	H2	76.56456250	1388768.997
In	115	1	He	78.11384596	5694025.587
Tb	159	1	He	80.23980757	12992605.643
Ir	193	1	He	80.83794204	6319281.363

Sample Name	4322416_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	238SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:25:59
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.452022	4.5	64897.620
Be	9	2	H2	102.933758	3.9	53469.823
B	11	2	H2	111.259538	5.5	63100.697
Na	23	1	He	8797.348801	1.3	13412406.050
Mg	24	1	He	32116.40800	1.4	27173212.930
Al	27	1	He	2081.476722	0.8	953956.623
Si	28	2	H2	6486.732260	6.7	22920153.333
K	39	1	He	3276.294023	1.0	4230863.893
Ca	43	1	He	47577.31884	0.9	184095.687
Ca	44	1	He	47874.30546	1.4	3102024.373
Ti	47	1	He	101.146367	1.1	42017.553
V	51	1	He	108.883763	1.1	1068641.687
Cr	52	1	He	109.731877	1.2	1289422.453
Mn	55	1	He	106.322815	1.0	944354.627
Fe	56	1	He	2140.551791	1.8	23001345.333
Co	59	1	He	107.143581	1.7	1828938.460
Ni	60	1	He	106.117020	0.7	444062.123
Cu	63	1	He	105.651750	1.1	1137831.877
Zn	66	1	He	114.464928	0.7	254211.413
As	75	1	He	105.760351	0.4	192482.310
Se	78	2	H2	103.730232	0.9	93067.760
Sr	88	1	He	217.199291	0.2	3331904.950
Mo	95	1	He	110.340065	0.3	742380.927
Pd	105	1	He	20.016010	2.4	195986.240
Ag	107	1	He	47.509705	6.0	927563.060
Cd	111	1	He	102.132398	1.1	379354.850
Sn	118	1	He	103.074010	0.6	1005295.063
Sb	121	1	He	107.655835	0.8	1369830.083
Ba	138	1	He	148.447565	1.2	4941662.320
Pt	195	1	He	19.945299	1.2	247162.960
Hg	202	1	He	0.026266	1.1	230.010
Tl	205	1	He	104.189676	1.3	4716196.493
Pb	206	1	He	103.710175	1.4	1594253.047
Pb	207	1	He	103.412233	0.4	1328211.440
Pb	208	1	He	103.802096	0.7	6294223.187
Bi	209	1	He	104.977910	1.0	5009165.550
Th	232	1	He	107.733018	1.2	7172723.017
U	238	1	He	103.515595	1.0	7049487.603

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.88880852	840876.770
Sc	45	2	H2	76.25799896	5110942.000
Ge	72	1	He	75.92919888	514148.083
Ge	72	2	H2	76.41034001	1385971.627
In	115	1	He	76.12239408	5548860.823
Tb	159	1	He	82.42122816	13345826.050
Ir	193	1	He	79.89113566	6245267.407

Sample Name	10607799012_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	239SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:29:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	8.716254	3.8	5072.020
Be	9	2	H2	0.039962	13.8	24.333
B	11	2	H2	15.902611	9.1	10443.140
Na	23	1	He	5656.928841	1.3	8435735.707
Mg	24	1	He	57447.17244	1.1	47512642.627
Al	27	1	He	9.138295	2.6	4285.833
Si	28	2	H2	6774.062460	8.0	22651266.000
K	39	1	He	1520.734905	1.3	1973550.593
Ca	43	1	He	134715.4476	1.1	509536.923
Ca	44	1	He	136434.6997	1.5	8641736.373
Ti	47	1	He	0.172791	1.2	72.667
V	51	1	He	0.010654	450.2	-1268.273
Cr	52	1	He	0.403198	2.4	5066.727
Mn	55	1	He	365.032190	1.5	3167565.167
Fe	56	1	He	194.990735	2.1	2060458.207
Co	59	1	He	0.291284	2.0	4851.337
Ni	60	1	He	3.921425	3.2	16390.133
Cu	63	1	He	0.189045	8.4	2196.813
Zn	66	1	He	3.532526	2.9	7697.677
As	75	1	He	3.015974	2.5	5468.840
Se	78	2	H2	0.462128	3.5	411.677
Sr	88	1	He	167.833628	1.2	2564893.240
Mo	95	1	He	4.318916	1.8	27905.713
Pd	105	1	He	0.028933	12.9	310.010
Ag	107	1	He	1.599728	73.8	31794.157
Cd	111	1	He	0.018685	43.4	71.630
Sn	118	1	He	0.154944	3.4	1641.760
Sb	121	1	He	0.448760	3.0	5762.687
Ba	138	1	He	12.027549	0.2	393217.237
Pt	195	1	He	0.016798	34.0	280.010
Hg	202	1	He	0.012829	53.5	143.337
Tl	205	1	He	0.033289	13.3	2115.160
Pb	206	1	He	0.064855	7.6	1058.377
Pb	207	1	He	0.059056	6.3	1553.427
Pb	208	1	He	0.065794	2.0	4978.677
Bi	209	1	He	0.009199	54.1	1760.137
Th	232	1	He	0.031642	13.5	2106.833
U	238	1	He	0.275409	2.6	18419.243

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.15729403	821940.460
Sc	45	2	H2	72.14944509	4835579.667
Ge	72	1	He	72.87546422	493469.980
Ge	72	2	H2	73.42930635	1331900.043
In	115	1	He	75.83251394	5527730.320
Tb	159	1	He	80.91695891	13102251.473
Ir	193	1	He	78.15221335	6109331.990

Sample Name	10607799012_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	240SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:33:07
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.494283	13.6	362.500
Be	9	2	H2	0.018524	44.5	15.000
B	11	2	H2	0.207531	139.4	2526.893
Na	23	1	He	298.257753	1.9	473576.840
Mg	24	1	He	2967.289564	1.2	2542400.900
Al	27	1	He	1.934081	5.5	1096.033
Si	28	2	H2	358.739806	5.3	1306974.583
K	39	1	He	96.626520	2.7	227208.213
Ca	43	1	He	6763.894268	1.6	26483.613
Ca	44	1	He	6930.541586	1.2	454426.743
Ti	47	1	He	0.098598	154.8	44.003
V	51	1	He	-0.032501		-1742.957
Cr	52	1	He	0.054797	7.9	1103.370
Mn	55	1	He	18.520281	0.7	167033.597
Fe	56	1	He	10.566641	1.6	128646.407
Co	59	1	He	0.013199	1.4	311.333
Ni	60	1	He	0.069620	21.3	996.700
Cu	63	1	He	0.027199	8.8	553.343
Zn	66	1	He	0.237537	12.1	715.350
As	75	1	He	0.164164	10.0	519.843
Se	78	2	H2	0.031165	59.3	43.000
Sr	88	1	He	8.003997	1.0	130828.837
Mo	95	1	He	0.198874	13.0	1371.740
Pd	105	1	He	0.004185	70.2	73.333
Ag	107	1	He	1.125153	83.1	24093.850
Cd	111	1	He	0.000901	79.6	6.257
Sn	118	1	He	0.109790	1.2	1285.063
Sb	121	1	He	0.020471	26.6	356.677
Ba	138	1	He	0.611411	1.7	20681.130
Pt	195	1	He	0.003904	115.6	126.670
Hg	202	1	He	0.010594	23.5	133.337
Tl	205	1	He	0.000663	384.7	685.023
Pb	206	1	He	0.009657	12.2	231.667
Pb	207	1	He	0.004454	170.0	890.037
Pb	208	1	He	0.007463	30.5	1550.047
Bi	209	1	He	-0.001109		1313.410
Th	232	1	He	0.006613	20.8	501.683
U	238	1	He	0.015800	10.5	1181.727

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.78096035	850633.583
Sc	45	2	H2	78.14387276	5237336.500
Ge	72	1	He	76.80011488	520045.417
Ge	72	2	H2	79.01854624	1433280.667
In	115	1	He	80.99719362	5904204.143
Tb	159	1	He	83.20746741	13473135.633
Ir	193	1	He	82.20515831	6426159.693

Sample Name	10607799013_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	241SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:36:42
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	9.276935	5.4	5710.370
Be	9	2	H2	0.027606	19.4	19.333
B	11	2	H2	23.875445	11.4	15416.697
Na	23	1	He	15127.17060	0.9	22954240.493
Mg	24	1	He	49496.54698	0.9	41698047.710
Al	27	1	He	8.110163	3.6	3896.417
Si	28	2	H2	5267.395984	6.3	18631914.000
K	39	1	He	1887.418065	0.5	2470288.037
Ca	43	1	He	26396.15479	0.2	101702.607
Ca	44	1	He	26992.70824	0.8	1741607.843
Ti	47	1	He	0.109867	11.3	48.000
V	51	1	He	-0.043136		-1814.833
Cr	52	1	He	0.585325	3.1	7290.823
Mn	55	1	He	57.882470	0.4	512244.273
Fe	56	1	He	284.310487	0.6	3053924.833
Co	59	1	He	0.266594	5.1	4585.267
Ni	60	1	He	0.055880	27.5	918.693
Cu	63	1	He	0.139100	5.9	1734.090
Zn	66	1	He	2.479111	2.6	5622.897
As	75	1	He	0.124344	4.2	437.010
Se	78	2	H2	0.014441	30.0	27.000
Sr	88	1	He	63.700478	0.8	983622.593
Mo	95	1	He	0.128128	10.7	871.693
Pd	105	1	He	0.014053	14.5	166.667
Ag	107	1	He	1.406735	72.2	28395.527
Cd	111	1	He	0.020653	13.2	79.737
Sn	118	1	He	0.616952	5.7	6194.513
Sb	121	1	He	0.221521	4.7	2911.937
Ba	138	1	He	16.556653	1.0	549888.860
Pt	195	1	He	0.011317	25.0	216.673
Hg	202	1	He	0.015660	51.8	163.337
Tl	205	1	He	-0.000476		625.020
Pb	206	1	He	0.061494	9.0	1023.380
Pb	207	1	He	0.048193	31.0	1438.413
Pb	208	1	He	0.055751	6.6	4450.267
Bi	209	1	He	0.007848	40.3	1723.463
Th	232	1	He	0.009375	23.4	670.020
U	238	1	He	0.014931	4.0	1088.383

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.55472112	837223.100
Sc	45	2	H2	76.39467605	5120102.333
Ge	72	1	He	75.14549360	508841.290
Ge	72	2	H2	77.22880449	1400817.373
In	115	1	He	76.61469585	5584746.637
Tb	159	1	He	82.21344575	13312181.467
Ir	193	1	He	79.77448352	6236148.450

Sample Name	10607799013_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	242SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:40:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.479471	4.6	354.333
Be	9	2	H2	0.007701	79.8	9.167
B	11	2	H2	0.752984	38.6	2840.267
Na	23	1	He	775.689363	1.1	1216119.123
Mg	24	1	He	2519.894875	1.0	2171848.717
Al	27	1	He	1.728842	4.7	1006.697
Si	28	2	H2	267.157117	5.4	979863.250
K	39	1	He	117.414117	1.3	255152.647
Ca	43	1	He	1327.886150	2.1	5235.450
Ca	44	1	He	1373.525073	1.9	90689.140
Ti	47	1	He	0.015938	18.0	9.333
V	51	1	He	-0.091650		-2339.037
Cr	52	1	He	0.078163	5.7	1388.723
Mn	55	1	He	2.877507	3.3	26741.063
Fe	56	1	He	14.820654	1.2	175865.073
Co	59	1	He	0.014546	3.5	335.333
Ni	60	1	He	-0.125328		173.333
Cu	63	1	He	0.013230	21.7	402.010
Zn	66	1	He	0.159988	9.3	542.010
As	75	1	He	0.022047	56.1	259.000
Se	78	2	H2	0.003882	215.9	18.000
Sr	88	1	He	3.121193	1.2	50736.413
Mo	95	1	He	0.013316	24.5	110.000
Pd	105	1	He	0.004561	68.1	76.667
Ag	107	1	He	1.273802	82.1	26978.277
Cd	111	1	He	0.002282	84.9	11.630
Sn	118	1	He	0.131818	4.4	1501.743
Sb	121	1	He	0.013226	18.8	256.673
Ba	138	1	He	0.838584	0.9	28093.430
Pt	195	1	He	0.004261	32.5	130.000
Hg	202	1	He	0.003838	151.0	90.003
Tl	205	1	He	-0.007855		293.340
Pb	206	1	He	0.005554	41.4	166.667
Pb	207	1	He	0.002022	436.3	851.700
Pb	208	1	He	0.003937	39.9	1323.373
Bi	209	1	He	-0.002011		1260.080
Th	232	1	He	0.002672	43.9	230.003
U	238	1	He	0.001602	21.8	186.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	78.22398343	855478.603
Sc	45	2	H2	78.47702100	5259664.667
Ge	72	1	He	76.96133821	521137.127
Ge	72	2	H2	79.62152364	1444217.793
In	115	1	He	80.36858156	5858382.137
Tb	159	1	He	82.55391792	13367311.467
Ir	193	1	He	81.77027185	6392163.653

Sample Name	10607799014_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	243SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:43:51
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.394299	3.6	2050.447
Be	9	2	H2	0.021821	29.5	15.667
B	11	2	H2	12.357168	15.2	8815.597
Na	23	1	He	5905.717926	1.0	8744912.993
Mg	24	1	He	46121.83732	1.4	37881172.770
Al	27	1	He	45.747436	3.2	20541.627
Si	28	2	H2	7209.950337	7.2	24646619.333
K	39	1	He	1036.644774	0.2	1367688.677
Ca	43	1	He	121231.0274	0.7	455326.197
Ca	44	1	He	123354.3358	1.4	7758904.030
Ti	47	1	He	0.694457	14.5	282.670
V	51	1	He	1.414362	4.7	12132.943
Cr	52	1	He	1.357092	4.2	15911.027
Mn	55	1	He	175.864902	0.6	1515785.747
Fe	56	1	He	187.004368	1.5	1962828.873
Co	59	1	He	0.256454	1.3	4271.187
Ni	60	1	He	16.074254	0.6	64975.623
Cu	63	1	He	0.292758	1.2	3261.643
Zn	66	1	He	31.684508	1.9	67502.103
As	75	1	He	5.325264	1.8	9475.843
Se	78	2	H2	0.189234	8.4	179.000
Sr	88	1	He	159.767017	0.9	2421668.037
Mo	95	1	He	23.397373	0.5	150756.443
Pd	105	1	He	0.028176	24.4	300.010
Ag	107	1	He	1.401705	80.5	27620.840
Cd	111	1	He	0.016980	28.4	64.777
Sn	118	1	He	2.378049	2.5	23047.217
Sb	121	1	He	3.484451	0.7	43879.550
Ba	138	1	He	43.436297	1.8	1406712.117
Pt	195	1	He	0.010115	13.9	196.673
Hg	202	1	He	0.010326	94.0	126.667
Tl	205	1	He	0.133019	9.3	6484.717
Pb	206	1	He	0.133384	1.8	2073.490
Pb	207	1	He	0.113099	4.1	2213.507
Pb	208	1	He	0.122896	1.1	8300.880
Bi	209	1	He	-0.000079		1313.423
Th	232	1	He	0.032575	4.9	2173.507
U	238	1	He	12.527251	1.0	837083.163

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.63101953	816184.980
Sc	45	2	H2	73.80170307	4946316.833
Ge	72	1	He	72.70513743	492316.627
Ge	72	2	H2	74.48719903	1351088.667
In	115	1	He	75.21237213	5482525.743
Tb	159	1	He	80.17013934	12981324.810
Ir	193	1	He	78.38519787	6127544.907

Sample Name	10607799014_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	244SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:47:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.164964	5.9	154.667
Be	9	2	H2	0.007029	79.0	8.667
B	11	2	H2	0.674281	60.1	2753.590
Na	23	1	He	247.754297	30.9	437190.163
Mg	24	1	He	1914.390280	30.0	1812950.440
Al	27	1	He	2.830732	32.8	1673.747
Si	28	2	H2	328.657923	8.7	1184137.937
K	39	1	He	49.759256	70.0	186157.150
Ca	43	1	He	4899.499549	30.2	21176.710
Ca	44	1	He	4998.607950	30.6	361522.517
Ti	47	1	He	0.032994	99.5	16.667
V	51	1	He	0.132347	66.7	-168.720
Cr	52	1	He	0.102714	44.6	1837.437
Mn	55	1	He	6.948563	29.9	69773.187
Fe	56	1	He	7.992098	34.7	111182.457
Co	59	1	He	0.010892	59.6	292.000
Ni	60	1	He	0.523583	41.9	3199.630
Cu	63	1	He	0.016777	82.5	483.343
Zn	66	1	He	1.314974	33.7	3440.343
As	75	1	He	0.200674	50.3	644.510
Se	78	2	H2	0.013283	43.9	26.333
Sr	88	1	He	6.178220	29.0	110035.080
Mo	95	1	He	0.935295	34.8	6978.137
Pd	105	1	He	0.002898	60.0	66.667
Ag	107	1	He	1.317390	117.5	28396.953
Cd	111	1	He	0.005708	117.5	26.243
Sn	118	1	He	0.195552	28.5	2380.187
Sb	121	1	He	0.138696	34.5	2115.160
Ba	138	1	He	1.746424	30.9	64247.420
Pt	195	1	He	0.003101	72.7	130.000
Hg	202	1	He	0.014432	36.8	186.670
Tl	205	1	He	-0.000376		708.357
Pb	206	1	He	0.006064	45.1	195.000
Pb	207	1	He	-0.002937		898.370
Pb	208	1	He	0.003970	109.8	1491.713
Bi	209	1	He	-0.002096		1436.770
Th	232	1	He	0.004464	21.0	400.010
U	238	1	He	0.491449	30.7	37313.233

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.03168081	995547.040
Sc	45	2	H2	77.21445014	5175045.000
Ge	72	1	He	89.99071474	609364.437
Ge	72	2	H2	78.19722632	1418383.127
In	115	1	He	93.10320730	6786659.113
Tb	159	1	He	96.22553289	15581049.350
Ir	193	1	He	94.03322247	7350785.723

Sample Name	10607799015_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	245SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:50:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	10.355343	3.6	5884.420
Be	9	2	H2	0.018695	49.6	13.667
B	11	2	H2	7.555271	5.5	5987.803
Na	23	1	He	12867.24836	1.8	18469409.307
Mg	24	1	He	81066.90656	2.0	64593007.370
Al	27	1	He	11.240899	0.8	5037.023
Si	28	2	H2	288.965341	7.9	953666.520
K	39	1	He	2404.021029	1.2	2949601.100
Ca	43	1	He	244942.1159	1.1	892599.083
Ca	44	1	He	249278.3316	2.2	15211129.890
Ti	47	1	He	0.494258	74.8	194.693
V	51	1	He	0.037815	219.5	-975.750
Cr	52	1	He	0.218607	3.3	2840.237
Mn	55	1	He	4646.483524	1.5	38836693.333
Fe	56	1	He	30471.77146	1.4	308222826.667
Co	59	1	He	0.654879	2.5	10361.667
Ni	60	1	He	0.411042	4.7	2218.817
Cu	63	1	He	0.289023	4.8	3096.277
Zn	66	1	He	2.371397	2.1	5008.050
As	75	1	He	0.226792	1.4	577.677
Se	78	2	H2	0.092986	20.4	92.333
Sr	88	1	He	544.671404	1.8	8042258.007
Mo	95	1	He	0.274687	7.9	1716.770
Pd	105	1	He	0.081728	14.0	796.700
Ag	107	1	He	2.090906	82.1	40127.000
Cd	111	1	He	0.024329	19.3	89.483
Sn	118	1	He	0.063751	17.9	730.027
Sb	121	1	He	0.042555	2.0	593.353
Ba	138	1	He	18.444145	0.5	593114.210
Pt	195	1	He	0.008814	42.3	180.007
Hg	202	1	He	0.013196	13.4	143.333
Tl	205	1	He	-0.002581		513.347
Pb	206	1	He	0.035470	10.6	605.020
Pb	207	1	He	0.024908	37.8	1105.050
Pb	208	1	He	0.034659	4.3	3075.140
Bi	209	1	He	0.002964	160.3	1443.437
Th	232	1	He	0.012341	19.1	840.033
U	238	1	He	0.014616	5.5	1033.377

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.41655488	791966.997
Sc	45	2	H2	70.57215534	4729867.000
Ge	72	1	He	69.87066813	473123.260
Ge	72	2	H2	72.60980099	1317035.417
In	115	1	He	73.27936375	5341621.157
Tb	159	1	He	79.60098481	12889166.060
Ir	193	1	He	77.24387707	6038325.327

Sample Name	10607799015_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	246SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:54:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.553680	7.0	389.670
Be	9	2	H2	0.010382	27.0	10.333
B	11	2	H2	-0.182876		2250.180
Na	23	1	He	652.959639	0.7	993226.910
Mg	24	1	He	4176.782212	0.8	3483312.240
Al	27	1	He	1.830094	2.9	1020.363
Si	28	2	H2	16.320448	5.5	67277.823
K	39	1	He	138.131562	0.6	272734.410
Ca	43	1	He	12347.76879	0.4	47067.113
Ca	44	1	He	12758.33518	0.2	814397.033
Ti	47	1	He	0.029692	9.7	14.667
V	51	1	He	0.011744	353.5	-1266.890
Cr	52	1	He	0.030874	17.6	797.353
Mn	55	1	He	239.460767	0.4	2093978.250
Fe	56	1	He	1584.845540	0.4	16778580.667
Co	59	1	He	0.029517	5.3	577.343
Ni	60	1	He	-0.109350		234.000
Cu	63	1	He	0.041239	11.1	687.350
Zn	66	1	He	0.800675	7.2	1926.777
As	75	1	He	-0.021014		174.667
Se	78	2	H2	0.000841	1087.1	14.667
Sr	88	1	He	26.130094	0.4	416592.833
Mo	95	1	He	0.015305	31.4	120.000
Pd	105	1	He	0.008951	48.3	120.000
Ag	107	1	He	1.014186	81.9	21264.377
Cd	111	1	He	0.000606	0.8	4.963
Sn	118	1	He	0.114613	11.1	1303.397
Sb	121	1	He	0.003828	15.7	128.333
Ba	138	1	He	0.943919	2.2	31544.430
Pt	195	1	He	-0.000302		73.333
Hg	202	1	He	0.004914	178.5	96.667
Tl	205	1	He	-0.010423		176.667
Pb	206	1	He	0.008932	39.7	218.337
Pb	207	1	He	-0.002251		795.027
Pb	208	1	He	0.004753	19.8	1370.040
Bi	209	1	He	-0.002508		1233.407
Th	232	1	He	0.001773	69.3	168.333
U	238	1	He	0.000480	43.8	108.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.72953148	828198.603
Sc	45	2	H2	76.26918439	5111691.667
Ge	72	1	He	74.76567242	506269.363
Ge	72	2	H2	77.25275681	1401251.833
In	115	1	He	79.08178108	5764582.187
Tb	159	1	He	82.39550850	13341661.467
Ir	193	1	He	81.67797563	6384948.653

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	247_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:58:08
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	-0.055206		32.667
Be	9	2	H2	-0.003607		5.167
B	11	2	H2	-1.050024		3063.653
Na	23	1	He	-3.891166		22352.057
Mg	24	1	He	-1.329282		4567.550
Al	27	1	He	0.642833	71.6	1380.127
Si	28	2	H2	11.242327	46.0	83031.480
K	39	1	He	-55.541613		91635.260
Ca	43	1	He	3.572044	100.8	59.027
Ca	44	1	He	3.793184	107.7	1032.463
Ti	47	1	He	0.360029	155.4	515.923
V	51	1	He	0.136954	10.1	-201.710
Cr	52	1	He	-0.030146		251.333
Mn	55	1	He	0.005300	621.5	2222.840
Fe	56	1	He	-0.232104		31168.473
Co	59	1	He	-0.004255		26.667
Ni	60	1	He	-0.153182		152.667
Cu	63	1	He	-0.012199		292.670
Zn	66	1	He	-0.067305		90.667
As	75	1	He	-0.101438		92.333
Se	78	2	H2	-0.005587		15.667
Sr	88	1	He	0.001823	442.1	578.363
Mo	95	1	He	-0.000968		33.333
Pd	105	1	He	0.003322	60.6	176.673
Ag	107	1	He	0.076973	161.9	5462.533
Cd	111	1	He	-0.000214		4.993
Sn	118	1	He	0.009888	9.6	726.697
Sb	121	1	He	-0.000205		208.333
Ba	138	1	He	0.004669	160.8	740.260
Pt	195	1	He	0.001386	110.3	273.343
Hg	202	1	He	0.021935	47.9	573.357
Tl	205	1	He	-0.011925		305.007
Pb	206	1	He	-0.002251		125.000
Pb	207	1	He	-0.033364		1111.733
Pb	208	1	He	-0.008845		1506.737
Bi	209	1	He	-0.015208		1846.867
Th	232	1	He	0.011190	100.0	2670.363
U	238	1	He	-0.000086		205.003

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	230.2237990	2517789.627
Sc	45	2	H2	132.8244103	8902120.000
Ge	72	1	He	232.8134081	1576476.103
Ge	72	2	H2	137.9102235	2501489.417
In	115	1	He	235.2753676	17150147.287
Tb	159	1	He	247.4104962	40061250.237
Ir	193	1	He	252.6358068	19749101.787

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	248_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:01:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.021079	32.0	65.667
Be	9	2	H2	0.011233	18.9	10.833
B	11	2	H2	-0.611623		2033.480
Na	23	1	He	7.301065	3.2	24349.420
Mg	24	1	He	-2.116884		953.367
Al	27	1	He	0.887072	4.5	588.010
Si	28	2	H2	0.638042	206.5	11963.193
K	39	1	He	19.863936	13.3	124526.227
Ca	43	1	He	1.524307	74.9	13.910
Ca	44	1	He	0.763200	106.4	189.813
Ti	47	1	He	0.010290	24.9	6.667
V	51	1	He	0.044258	259.3	-957.007
Cr	52	1	He	-0.005571		372.007
Mn	55	1	He	-0.022331		537.360
Fe	56	1	He	0.155814	14.6	14960.867
Co	59	1	He	-0.001377		57.333
Ni	60	1	He	-0.141582		100.000
Cu	63	1	He	-0.000716		239.333
Zn	66	1	He	0.011004	101.2	198.667
As	75	1	He	-0.006024		198.833
Se	78	2	H2	0.008654	69.6	22.000
Sr	88	1	He	0.002217	136.2	220.003
Mo	95	1	He	0.004816	56.1	50.000
Pd	105	1	He	0.004041	84.9	70.000
Ag	107	1	He	0.872412	77.0	18492.610
Cd	111	1	He	0.001877	179.8	9.983
Sn	118	1	He	0.023930	28.9	383.343
Sb	121	1	He	0.009229	21.5	198.333
Ba	138	1	He	0.002834	60.8	225.003
Pt	195	1	He	0.006502	74.3	156.670
Hg	202	1	He	0.013933	107.0	150.003
Tl	205	1	He	-0.009371		221.667
Pb	206	1	He	0.000431	251.1	86.667
Pb	207	1	He	0.000988	574.8	830.030
Pb	208	1	He	0.000949	117.8	1130.030
Bi	209	1	He	-0.003677		1170.067
Th	232	1	He	0.003539	72.2	290.003
U	238	1	He	0.001863	67.5	205.003

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.89645525	819087.857
Sc	45	2	H2	76.75493241	5144247.333
Ge	72	1	He	73.77202725	499540.980
Ge	72	2	H2	78.09704366	1416565.960
In	115	1	He	78.58633707	5728467.323
Tb	159	1	He	81.60222114	13213210.637
Ir	193	1	He	81.50563180	6371476.153

Sample Name	10607799016_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	249SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:05:17
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	10.611330	4.4	6596.823
Be	9	2	H2	0.006837	89.5	8.500
B	11	2	H2	17.474810	6.4	12040.777
Na	23	1	He	7279.072223	0.7	11095303.167
Mg	24	1	He	20214.95806	0.5	17097498.497
Al	27	1	He	9.104261	2.3	4366.853
Si	28	2	H2	7172.860708	6.3	25656580.667
K	39	1	He	844.328130	0.2	1166163.447
Ca	43	1	He	45625.67425	0.3	176464.470
Ca	44	1	He	46895.30309	0.9	3037310.407
Ti	47	1	He	0.183384	18.3	78.667
V	51	1	He	0.398188	22.2	2512.717
Cr	52	1	He	0.597016	1.3	7456.887
Mn	55	1	He	0.941650	1.6	9100.990
Fe	56	1	He	15.636717	1.3	181535.380
Co	59	1	He	0.320305	1.4	5475.513
Ni	60	1	He	0.095751	10.5	1080.037
Cu	63	1	He	0.286581	0.5	3294.980
Zn	66	1	He	2.600486	1.2	5870.980
As	75	1	He	0.606986	2.1	1301.383
Se	78	2	H2	0.577622	2.3	541.010
Sr	88	1	He	146.538282	0.2	2314529.237
Mo	95	1	He	0.157339	7.4	1063.377
Pd	105	1	He	0.024279	21.2	273.343
Ag	107	1	He	1.189990	81.8	24712.987
Cd	111	1	He	0.032753	26.5	128.017
Sn	118	1	He	0.050906	21.0	651.690
Sb	121	1	He	0.157099	0.4	2135.157
Ba	138	1	He	9.190436	1.1	305871.863
Pt	195	1	He	0.003227	145.7	116.667
Hg	202	1	He	0.004936	20.7	96.667
Tl	205	1	He	-0.009389		223.333
Pb	206	1	He	0.042917	11.8	740.027
Pb	207	1	He	0.034598	26.1	1266.733
Pb	208	1	He	0.041588	7.0	3600.190
Bi	209	1	He	-0.003215		1200.067
Th	232	1	He	0.005244	17.1	398.343
U	238	1	He	0.261622	2.4	18012.127

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.85017987	840454.317
Sc	45	2	H2	77.22057253	5175455.333
Ge	72	1	He	74.90882468	507238.707
Ge	72	2	H2	77.72207310	1409764.543
In	115	1	He	78.37492653	5713056.777
Tb	159	1	He	82.36569480	13336833.967
Ir	193	1	He	80.44310604	6288416.157

Sample Name	10607799016_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	250SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:08:51
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.525526	3.6	382.333
Be	9	2	H2	0.006408	34.3	8.500
B	11	2	H2	-0.090273		2363.517
Na	23	1	He	378.398350	4.7	586881.307
Mg	24	1	He	1047.767392	4.8	884152.380
Al	27	1	He	1.853404	10.6	1039.697
Si	28	2	H2	365.114288	6.1	1332299.087
K	39	1	He	69.424572	11.1	189227.803
Ca	43	1	He	2343.798224	4.6	9026.117
Ca	44	1	He	2419.315874	5.3	155993.000
Ti	47	1	He	0.027732	5.0	14.000
V	51	1	He	0.038903	145.0	-1026.197
Cr	52	1	He	0.060336	9.9	1148.707
Mn	55	1	He	0.011041	46.9	841.353
Fe	56	1	He	1.409741	8.2	28666.673
Co	59	1	He	0.015108	22.4	335.337
Ni	60	1	He	-0.124987		170.000
Cu	63	1	He	0.064091	6.8	930.030
Zn	66	1	He	0.218739	6.5	655.343
As	75	1	He	0.029702	40.7	266.333
Se	78	2	H2	0.021446	29.0	34.333
Sr	88	1	He	7.255472	4.1	114962.833
Mo	95	1	He	0.008975	24.1	78.333
Pd	105	1	He	0.003041	80.6	60.000
Ag	107	1	He	1.019086	81.2	21578.653
Cd	111	1	He	0.005470	54.7	23.310
Sn	118	1	He	0.107921	10.5	1225.053
Sb	121	1	He	0.009354	10.7	200.000
Ba	138	1	He	0.483364	5.2	15867.553
Pt	195	1	He	-0.000958		63.333
Hg	202	1	He	0.005318	49.2	96.667
Tl	205	1	He	-0.011569		123.333
Pb	206	1	He	0.007793	2.2	196.667
Pb	207	1	He	-0.004243		751.693
Pb	208	1	He	0.004842	43.8	1345.037
Bi	209	1	He	-0.003814		1146.733
Th	232	1	He	0.001447	24.3	143.333
U	238	1	He	0.013160	7.4	968.373

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.54273897	837092.060
Sc	45	2	H2	78.29395099	5247395.000
Ge	72	1	He	74.89078069	507116.523
Ge	72	2	H2	79.58317067	1443522.127
In	115	1	He	78.57886434	5727922.607
Tb	159	1	He	80.73187771	13072282.720
Ir	193	1	He	79.81490444	6239308.243

Sample Name	10607799017_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	251SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:12:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.339772	4.1	3520.500
Be	9	2	H2	0.010497	59.6	9.333
B	11	2	H2	14.637706	4.8	9292.517
Na	23	1	He	9489.236893	1.4	13586438.550
Mg	24	1	He	85205.41052	1.4	67703298.993
Al	27	1	He	9.555677	3.3	4297.180
Si	28	2	H2	6068.995579	6.2	19285558.000
K	39	1	He	2568.454471	1.9	3135788.077
Ca	43	1	He	238360.9187	1.0	866189.203
Ca	44	1	He	242101.9775	1.4	14732586.877
Ti	47	1	He	0.417754	6.5	165.333
V	51	1	He	2.703714	2.4	23636.133
Cr	52	1	He	0.953723	0.6	10942.657
Mn	55	1	He	2233.093119	0.9	18613777.333
Fe	56	1	He	1008.636132	2.0	10185927.333
Co	59	1	He	2.653884	0.2	41531.560
Ni	60	1	He	69.773329	0.6	267409.283
Cu	63	1	He	0.309773	3.9	3284.980
Zn	66	1	He	56.794134	0.8	115507.077
As	75	1	He	14.805116	0.3	24826.857
Se	78	2	H2	79.505233	1.1	65324.597
Sr	88	1	He	422.502588	0.5	6210910.533
Mo	95	1	He	0.971770	7.1	5999.413
Pd	105	1	He	0.065692	14.3	643.360
Ag	107	1	He	0.164916	24.2	3762.133
Cd	111	1	He	0.163690	12.2	584.883
Sn	118	1	He	0.051220	11.1	610.017
Sb	121	1	He	0.300881	5.2	3740.440
Ba	138	1	He	37.185660	0.7	1172183.030
Pt	195	1	He	0.010541	39.3	196.673
Hg	202	1	He	0.004081	185.9	86.667
Tl	205	1	He	0.014025	12.7	1215.057
Pb	206	1	He	0.029437	33.8	505.017
Pb	207	1	He	0.018218	28.6	1001.710
Pb	208	1	He	0.027103	17.3	2580.107
Bi	209	1	He	0.004178	119.1	1470.103
Th	232	1	He	0.009195	15.1	628.353
U	238	1	He	1.548708	1.4	100691.627

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.21295712	789740.397
Sc	45	2	H2	68.57891086	4596276.333
Ge	72	1	He	69.48031346	470480.007
Ge	72	2	H2	69.97098773	1269171.210
In	115	1	He	72.94676361	5317376.623
Tb	159	1	He	78.03900004	12636246.060
Ir	193	1	He	76.22321930	5958538.243

Sample Name	10607799017_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	252SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:16:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.331794	4.1	252.667
Be	9	2	H2	0.004697	37.9	7.333
B	11	2	H2	-0.057250		2310.193
Na	23	1	He	478.807465	0.9	724623.400
Mg	24	1	He	4327.650225	1.7	3572812.237
Al	27	1	He	1.739891	7.1	969.030
Si	28	2	H2	306.247496	6.5	1082784.980
K	39	1	He	147.483745	2.6	281457.603
Ca	43	1	He	11754.60125	1.8	44357.490
Ca	44	1	He	12133.75946	1.2	766762.047
Ti	47	1	He	0.028539	33.0	14.000
V	51	1	He	0.031677	377.3	-1080.170
Cr	52	1	He	0.057956	9.0	1100.040
Mn	55	1	He	111.720737	2.0	967614.333
Fe	56	1	He	51.378236	1.7	551452.353
Co	59	1	He	0.123370	4.7	2144.137
Ni	60	1	He	3.437152	1.2	14744.710
Cu	63	1	He	0.012843	29.4	384.673
Zn	66	1	He	2.916985	4.1	6513.877
As	75	1	He	0.715661	3.7	1485.397
Se	78	2	H2	3.413646	2.9	3097.940
Sr	88	1	He	19.920705	0.6	313969.880
Mo	95	1	He	0.038277	28.0	270.003
Pd	105	1	He	0.005052	118.4	80.000
Ag	107	1	He	2.304411	86.7	46607.827
Cd	111	1	He	0.012909	63.0	51.587
Sn	118	1	He	0.102413	6.4	1166.720
Sb	121	1	He	0.014402	15.8	265.003
Ba	138	1	He	1.851792	1.1	61428.000
Pt	195	1	He	0.002183	59.6	103.333
Hg	202	1	He	0.002341	74.2	80.000
Tl	205	1	He	-0.010027		193.333
Pb	206	1	He	0.001506	96.1	103.333
Pb	207	1	He	-0.006041		741.690
Pb	208	1	He	0.000408	293.9	1100.027
Bi	209	1	He	-0.002656		1220.067
Th	232	1	He	0.000782	42.4	100.000
U	238	1	He	0.072270	3.4	5054.200

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.97551938	819952.523
Sc	45	2	H2	75.70201748	5073679.167
Ge	72	1	He	74.35477748	503487.023
Ge	72	2	H2	76.94248515	1395623.960
In	115	1	He	78.16162995	5697508.750
Tb	159	1	He	81.94433247	13268606.053
Ir	193	1	He	80.86040582	6321037.407

Sample Name	10607799018_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	253SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:19:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.116879	3.0	2837.217
Be	9	2	H2	0.031279	31.1	19.000
B	11	2	H2	91.935645	5.3	47053.083
Na	23	1	He	11078.19091	0.8	15717105.183
Mg	24	1	He	132658.0151	1.6	104460918.443
Al	27	1	He	65.549295	1.7	28138.237
Si	28	2	H2	5179.776039	5.9	16392132.000
K	39	1	He	2260.720069	1.0	2746879.437
Ca	43	1	He	276608.4692	1.1	996134.833
Ca	44	1	He	281106.8489	2.0	16952461.750
Ti	47	1	He	0.193905	9.7	77.333
V	51	1	He	11.799404	2.3	106623.387
Cr	52	1	He	1.416309	1.2	15900.980
Mn	55	1	He	947.384893	1.5	7826196.333
Fe	56	1	He	4454.064572	1.8	44534664.000
Co	59	1	He	9.329587	1.3	143450.433
Ni	60	1	He	585.166059	2.4	2201570.333
Cu	63	1	He	1.311431	1.3	12941.337
Zn	66	1	He	4007.019856	2.4	8005633.000
As	75	1	He	2.773516	1.7	4733.130
Se	78	2	H2	512.173416	1.8	420244.540
Sr	88	1	He	537.997227	0.5	7771749.677
Mo	95	1	He	1.266571	2.4	7688.440
Pd	105	1	He	0.082093	9.4	783.373
Ag	107	1	He	1.224086	82.9	23106.507
Cd	111	1	He	2.160294	3.8	7557.750
Sn	118	1	He	0.071079	8.8	781.690
Sb	121	1	He	0.374853	1.4	4562.320
Ba	138	1	He	34.756160	0.9	1093421.703
Pt	195	1	He	0.008591	20.5	173.337
Hg	202	1	He	0.010340	50.1	123.333
Tl	205	1	He	1.403446	1.9	60636.090
Pb	206	1	He	0.055993	15.1	890.037
Pb	207	1	He	0.039125	27.1	1253.393
Pb	208	1	He	0.051647	9.2	3981.893
Bi	209	1	He	0.001930	278.9	1366.760
Th	232	1	He	0.008427	19.2	570.017
U	238	1	He	0.430769	2.6	27567.817

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.56021690	782601.853
Sc	45	2	H2	68.31011739	4578261.333
Ge	72	1	He	68.35981198	462892.627
Ge	72	2	H2	69.89283441	1267753.623
In	115	1	He	71.68457812	5225370.957
Tb	159	1	He	77.88264408	12610928.560
Ir	193	1	He	74.89335911	5854580.120

Sample Name	10607799018_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	254SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:23:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.260930	6.2	212.167
Be	9	2	H2	0.000682	394.3	5.333
B	11	2	H2	4.759114	12.7	4967.430
Na	23	1	He	567.657329	1.0	877330.690
Mg	24	1	He	6799.363403	0.1	5748071.790
Al	27	1	He	4.523598	2.0	2267.480
Si	28	2	H2	280.395919	6.2	1002708.730
K	39	1	He	130.165351	0.4	266523.237
Ca	43	1	He	13838.06372	0.2	53484.863
Ca	44	1	He	14354.50218	0.6	929094.943
Ti	47	1	He	0.014702	49.3	8.667
V	51	1	He	0.448865	19.6	3008.313
Cr	52	1	He	0.114158	4.1	1785.427
Mn	55	1	He	48.039152	0.5	426566.593
Fe	56	1	He	232.266771	0.7	2505131.667
Co	59	1	He	0.474003	1.4	8094.493
Ni	60	1	He	30.046389	1.5	125006.250
Cu	63	1	He	0.096140	2.9	1276.717
Zn	66	1	He	206.345986	1.5	453677.010
As	75	1	He	0.150860	10.1	485.010
Se	78	2	H2	22.752564	0.8	20671.653
Sr	88	1	He	25.621752	0.8	411729.577
Mo	95	1	He	0.057215	3.6	400.010
Pd	105	1	He	0.002667	104.7	56.667
Ag	107	1	He	1.042254	85.3	21964.737
Cd	111	1	He	0.105536	10.0	413.223
Sn	118	1	He	0.095453	10.5	1118.380
Sb	121	1	He	0.022267	11.8	375.010
Ba	138	1	He	1.799402	0.2	60705.390
Pt	195	1	He	0.005515	86.1	146.670
Hg	202	1	He	0.004711	133.6	96.667
Tl	205	1	He	0.062689	3.2	3525.420
Pb	206	1	He	0.007380	37.5	196.667
Pb	207	1	He	0.003315	72.9	876.700
Pb	208	1	He	0.006771	13.9	1510.043
Bi	209	1	He	-0.000602		1340.087
Th	232	1	He	0.001143	77.1	126.667
U	238	1	He	0.020457	0.8	1516.760

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.78856106	839780.437
Sc	45	2	H2	76.53365339	5129416.833
Ge	72	1	He	75.18967294	509140.447
Ge	72	2	H2	77.34102873	1402852.957
In	115	1	He	79.70549891	5810047.433
Tb	159	1	He	83.34444678	13495315.633
Ir	193	1	He	82.63268393	6459580.320

Sample Name	10607799019_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	255SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:26:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.506043	3.1	3122.427
Be	9	2	H2	0.014003	36.5	11.167
B	11	2	H2	21.232908	7.9	12777.997
Na	23	1	He	11531.62335	1.0	16926414.750
Mg	24	1	He	63819.12440	1.8	51993387.557
Al	27	1	He	15.872012	1.7	7194.070
Si	28	2	H2	6053.320923	5.9	19616680.667
K	39	1	He	3012.778177	0.8	3754587.757
Ca	43	1	He	226930.1856	1.0	845539.820
Ca	44	1	He	229293.7335	1.2	14306795.703
Ti	47	1	He	0.202368	21.6	83.333
V	51	1	He	0.617781	9.3	4493.643
Cr	52	1	He	0.447347	2.6	5491.517
Mn	55	1	He	842.410845	1.5	7199847.167
Fe	56	1	He	169.747234	1.5	1768667.457
Co	59	1	He	1.329721	1.0	21378.643
Ni	60	1	He	131.917689	0.7	517898.770
Cu	63	1	He	0.514663	2.2	5438.843
Zn	66	1	He	445.460660	1.4	927888.960
As	75	1	He	1.092117	3.0	2065.620
Se	78	2	H2	180.823269	1.3	151603.453
Sr	88	1	He	507.040649	0.9	7633744.470
Mo	95	1	He	0.729481	0.3	4623.983
Pd	105	1	He	0.080457	14.4	800.033
Ag	107	1	He	1.393198	79.5	27493.700
Cd	111	1	He	1.234939	1.3	4504.250
Sn	118	1	He	0.100117	15.4	1093.380
Sb	121	1	He	0.226256	5.1	2898.607
Ba	138	1	He	31.565853	0.6	1026372.067
Pt	195	1	He	0.006446	92.4	153.337
Hg	202	1	He	0.006358	80.5	103.333
Tl	205	1	He	0.796832	3.3	35856.857
Pb	206	1	He	0.032803	4.3	571.687
Pb	207	1	He	0.031425	27.4	1198.390
Pb	208	1	He	0.031503	8.7	2921.797
Bi	209	1	He	0.002939	118.6	1460.097
Th	232	1	He	0.005066	27.8	376.677
U	238	1	He	2.170893	2.2	145022.300

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.04340663	809758.687
Sc	45	2	H2	69.92164728	4686268.833
Ge	72	1	He	71.25788591	482516.687
Ge	72	2	H2	71.40326051	1295150.540
In	115	1	He	74.71374258	5446178.673
Tb	159	1	He	80.49357141	13033695.640
Ir	193	1	He	78.32364045	6122732.827

Sample Name	10607799019_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	256SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:30:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.289060	4.1	231.167
Be	9	2	H2	0.002160	215.8	6.167
B	11	2	H2	-0.054044		2350.193
Na	23	1	He	590.950563	1.5	897425.300
Mg	24	1	He	3281.455005	2.7	2728645.377
Al	27	1	He	2.128529	4.0	1151.373
Si	28	2	H2	325.700148	6.4	1172647.080
K	39	1	He	175.146011	1.7	317689.037
Ca	43	1	He	11415.14824	1.0	43378.863
Ca	44	1	He	11742.28123	1.4	747240.070
Ti	47	1	He	0.031365	58.3	15.333
V	51	1	He	0.015323	103.3	-1228.147
Cr	52	1	He	0.053381	13.7	1054.703
Mn	55	1	He	42.758158	1.6	373349.230
Fe	56	1	He	9.150508	1.6	109939.123
Co	59	1	He	0.067338	5.8	1211.380
Ni	60	1	He	6.695066	0.2	28190.017
Cu	63	1	He	0.039680	14.0	670.013
Zn	66	1	He	23.466696	0.8	51389.227
As	75	1	He	0.071443	17.3	339.667
Se	78	2	H2	8.437873	0.4	7760.030
Sr	88	1	He	24.703837	0.1	391231.870
Mo	95	1	He	0.030172	22.6	218.337
Pd	105	1	He	0.005058	51.3	80.000
Ag	107	1	He	1.340070	83.9	27680.337
Cd	111	1	He	0.063637	11.6	246.603
Sn	118	1	He	0.107199	10.2	1220.060
Sb	121	1	He	0.008340	27.3	186.667
Ba	138	1	He	1.586231	1.8	52536.637
Pt	195	1	He	0.001376	180.2	93.333
Hg	202	1	He	0.013097	37.2	146.670
Tl	205	1	He	0.030020	8.1	1991.813
Pb	206	1	He	0.006959	36.2	186.667
Pb	207	1	He	-0.004027		766.693
Pb	208	1	He	0.004775	10.4	1361.703
Bi	209	1	He	-0.001556		1270.073
Th	232	1	He	0.000558	114.1	85.000
U	238	1	He	0.101637	3.9	7101.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.49964872	825684.543
Sc	45	2	H2	77.17207333	5172204.833
Ge	72	1	He	74.66212586	505568.207
Ge	72	2	H2	78.19782578	1418394.000
In	115	1	He	78.55258580	5726007.060
Tb	159	1	He	81.79575286	13244547.717
Ir	193	1	He	81.09812612	6339620.530

Sample Name	10607799020_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	257SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:33:54
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.090143	2.2	2226.630
Be	9	2	H2	0.009045	85.6	8.333
B	11	2	H2	3.166541	29.6	3590.420
Na	23	1	He	9684.046397	2.2	13408070.633
Mg	24	1	He	61543.56506	2.3	47290524.293
Al	27	1	He	7.887511	3.2	3461.330
Si	28	2	H2	50.953007	5.0	166215.010
K	39	1	He	1621.682866	1.8	1949211.010
Ca	43	1	He	261350.6955	1.8	918447.537
Ca	44	1	He	265644.1973	2.2	15632419.563
Ti	47	1	He	0.164007	42.2	64.000
V	51	1	He	0.095567	83.3	-418.810
Cr	52	1	He	0.535776	2.8	6121.733
Mn	55	1	He	7678.208160	1.9	61890345.333
Fe	56	1	He	34217.50867	2.5	333756650.667
Co	59	1	He	0.169840	5.7	2637.537
Ni	60	1	He	0.294050	5.2	1700.753
Cu	63	1	He	0.144050	6.8	1596.077
Zn	66	1	He	1.947468	3.1	3982.460
As	75	1	He	0.343404	8.5	742.517
Se	78	2	H2	0.130264	6.9	117.667
Sr	88	1	He	819.402368	1.3	11801418.570
Mo	95	1	He	0.158761	7.7	961.703
Pd	105	1	He	0.110929	9.0	1046.717
Ag	107	1	He	1.661360	87.7	31180.940
Cd	111	1	He	0.018393	37.7	66.377
Sn	118	1	He	0.056227	4.4	643.353
Sb	121	1	He	0.098109	8.2	1241.720
Ba	138	1	He	33.821732	1.5	1054388.423
Pt	195	1	He	0.009290	23.2	180.003
Hg	202	1	He	0.003694	96.3	83.333
Tl	205	1	He	-0.002692		493.347
Pb	206	1	He	0.034144	24.0	566.680
Pb	207	1	He	0.022083	61.5	1038.383
Pb	208	1	He	0.032074	2.8	2835.127
Bi	209	1	He	0.003440	162.7	1420.097
Th	232	1	He	0.007006	22.7	483.347
U	238	1	He	0.011460	14.2	805.030

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.84109207	763801.040
Sc	45	2	H2	66.83028859	4479080.667
Ge	72	1	He	67.15803010	454754.863
Ge	72	2	H2	68.76051235	1247214.960
In	115	1	He	71.47684232	5210228.277
Tb	159	1	He	77.18355061	12497729.813
Ir	193	1	He	75.30813774	5887004.287

Sample Name	10607799020_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	258SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:37:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.199955	11.7	166.833
Be	9	2	H2	0.002586	149.7	6.000
B	11	2	H2	-1.051272		1703.450
Na	23	1	He	489.945560	0.7	719432.413
Mg	24	1	He	3179.028960	1.5	2548204.910
Al	27	1	He	2.145902	3.6	1117.370
Si	28	2	H2	2.789503	5.6	18733.253
K	39	1	He	99.309395	3.1	215773.273
Ca	43	1	He	13221.76049	1.0	48428.013
Ca	44	1	He	13660.76146	1.0	837920.953
Ti	47	1	He	0.406872	165.0	163.430
V	51	1	He	0.042402	154.2	-932.170
Cr	52	1	He	0.065752	2.8	1154.040
Mn	55	1	He	401.241134	1.1	3371072.667
Fe	56	1	He	1795.733039	1.4	18266277.333
Co	59	1	He	0.006984	1.9	191.333
Ni	60	1	He	-0.109043		226.667
Cu	63	1	He	0.048214	6.0	733.353
Zn	66	1	He	0.306673	2.6	816.020
As	75	1	He	-0.013985		180.333
Se	78	2	H2	0.005746	159.7	18.333
Sr	88	1	He	39.837058	0.6	620398.490
Mo	95	1	He	0.010231	23.2	83.333
Pd	105	1	He	0.007221	49.2	100.000
Ag	107	1	He	1.180413	80.9	24148.287
Cd	111	1	He	0.002852	27.2	13.310
Sn	118	1	He	0.109537	3.8	1223.393
Sb	121	1	He	0.005995	21.5	153.333
Ba	138	1	He	1.691311	0.9	55340.297
Pt	195	1	He	-0.000999		63.333
Hg	202	1	He	0.003045	110.7	83.333
Tl	205	1	He	-0.009671		206.667
Pb	206	1	He	0.006007	52.9	170.000
Pb	207	1	He	-0.008201		705.023
Pb	208	1	He	0.001713	121.6	1163.367
Bi	209	1	He	-0.004302		1126.737
Th	232	1	He	0.001240	54.8	130.000
U	238	1	He	0.000724	24.9	123.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.77265801	795861.437
Sc	45	2	H2	73.11159094	4900064.333
Ge	72	1	He	72.01684845	487655.937
Ge	72	2	H2	73.71984543	1337169.997
In	115	1	He	77.26044798	5631818.050
Tb	159	1	He	80.82309438	13087052.723
Ir	193	1	He	80.36458019	6282277.617

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	259_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:41:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	75.584116	4.9	45508.040
Be	9	2	H2	75.117539	5.1	38533.627
B	11	2	H2	72.610861	5.4	41459.877
Na	23	1	He	2025.162037	1.3	2920447.870
Mg	24	1	He	1997.356853	1.8	1595252.787
Al	27	1	He	1926.794071	1.2	832369.063
Si	28	2	H2	960.706484	5.9	3358130.667
K	39	1	He	2034.631861	1.6	2513287.410
Ca	43	1	He	1938.392853	0.7	7078.370
Ca	44	1	He	1971.924172	2.1	120555.943
Ti	47	1	He	76.445661	0.9	29935.210
V	51	1	He	80.354578	0.5	743105.917
Cr	52	1	He	81.302500	1.3	900626.667
Mn	55	1	He	82.651924	0.7	692170.400
Fe	56	1	He	1021.342587	1.8	10351024.333
Co	59	1	He	81.210080	0.9	1331621.043
Ni	60	1	He	81.597165	0.3	328169.207
Cu	63	1	He	83.608031	0.9	864974.250
Zn	66	1	He	80.134521	0.8	170999.597
As	75	1	He	77.837952	0.8	136126.947
Se	78	2	H2	77.832882	1.1	70025.240
Sr	88	1	He	74.517116	0.4	1129156.470
Mo	95	1	He	81.392457	0.9	526002.597
Pd	105	1	He	77.324902	1.0	747765.953
Ag	107	1	He	40.071761	5.4	773372.800
Cd	111	1	He	77.004178	0.3	282502.260
Sn	118	1	He	76.558304	0.5	737505.170
Sb	121	1	He	74.016604	0.7	930292.150
Ba	138	1	He	77.724466	0.7	2519094.443
Pt	195	1	He	77.593106	0.9	935901.447
Hg	202	1	He	3.560749	1.9	21721.643
Tl	205	1	He	39.609245	0.8	1745861.693
Pb	206	1	He	79.276719	0.4	1186512.690
Pb	207	1	He	82.666515	0.5	1033798.160
Pb	208	1	He	81.091568	0.8	4787081.853
Bi	209	1	He	83.420757	0.8	3875368.797
Th	232	1	He	77.123921	0.5	5137768.987
U	238	1	He	75.203772	0.9	5124237.633

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.48420835	792706.873
Sc	45	2	H2	75.33642951	5049176.833
Ge	72	1	He	72.94030887	493909.070
Ge	72	2	H2	76.63341223	1390017.830
In	115	1	He	75.18413942	5480467.750
Tb	159	1	He	80.24357222	12993215.223
Ir	193	1	He	79.93923996	6249027.827

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	260_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:44:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.021083	87.3	62.833
Be	9	2	H2	0.022648	32.3	16.167
B	11	2	H2	-0.823643		1840.133
Na	23	1	He	5.301265	9.0	20821.813
Mg	24	1	He	-2.100578		943.370
Al	27	1	He	0.991836	8.2	618.343
Si	28	2	H2	-0.064629		9143.723
K	39	1	He	27.564652	1.9	130472.347
Ca	43	1	He	1.883335	38.6	14.817
Ca	44	1	He	2.001998	43.1	261.630
Ti	47	1	He	0.000583	1001.7	2.667
V	51	1	He	0.007373	406.1	-1261.920
Cr	52	1	He	0.000078	7761.9	424.677
Mn	55	1	He	0.023602	29.4	908.693
Fe	56	1	He	0.410606	2.6	17162.143
Co	59	1	He	0.001711	82.5	106.000
Ni	60	1	He	-0.137141		115.333
Cu	63	1	He	0.006821	15.1	310.667
Zn	66	1	He	0.024812	26.1	222.667
As	75	1	He	-0.002462		200.167
Se	78	2	H2	0.022115	35.2	33.000
Sr	88	1	He	0.008800	21.7	315.010
Mo	95	1	He	0.032157	31.6	223.337
Pd	105	1	He	0.010748	70.3	133.337
Ag	107	1	He	1.316051	67.7	26447.067
Cd	111	1	He	0.005097	83.5	21.600
Sn	118	1	He	0.016457	37.4	298.337
Sb	121	1	He	0.012413	43.0	233.337
Ba	138	1	He	0.005953	17.8	316.677
Pt	195	1	He	0.005848	9.0	143.333
Hg	202	1	He	0.017282	39.7	166.670
Tl	205	1	He	0.043812	23.8	2525.233
Pb	206	1	He	0.006140	26.8	168.333
Pb	207	1	He	-0.001693		770.023
Pb	208	1	He	0.003490	49.3	1241.700
Bi	209	1	He	0.004696	49.3	1513.433
Th	232	1	He	0.010089	12.4	711.690
U	238	1	He	0.005794	13.3	463.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.91272709	797393.270
Sc	45	2	H2	73.60107159	4932870.167
Ge	72	1	He	72.02472814	487709.293
Ge	72	2	H2	74.86664900	1357971.333
In	115	1	He	76.38564968	5568050.560
Tb	159	1	He	79.05893434	12801396.060
Ir	193	1	He	79.14487737	6186930.740

Sample Name	4322449_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	261SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:48:15
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.036379	25.0	72.000
Be	9	2	H2	0.035855	28.2	22.667
B	11	2	H2	-0.724053		1883.467
Na	23	1	He	12.683108	1.6	31783.967
Mg	24	1	He	1.299545	13.7	3707.077
Al	27	1	He	5.565869	2.1	2630.527
Si	28	2	H2	2.051031	32.6	16367.923
K	39	1	He	25.066709	5.5	128708.393
Ca	43	1	He	12.399128	16.7	53.877
Ca	44	1	He	13.133691	26.5	953.980
Ti	47	1	He	0.097836	20.0	41.333
V	51	1	He	0.093500	8.5	-462.097
Cr	52	1	He	0.271308	3.0	3479.013
Mn	55	1	He	0.102039	6.3	1583.410
Fe	56	1	He	3.662691	1.5	50767.523
Co	59	1	He	0.021298	8.1	425.343
Ni	60	1	He	-0.103656		249.333
Cu	63	1	He	0.058412	2.2	842.020
Zn	66	1	He	0.859865	5.0	1990.783
As	75	1	He	-0.010081		188.000
Se	78	2	H2	0.009719	129.0	22.000
Sr	88	1	He	0.039462	9.5	795.027
Mo	95	1	He	0.023950	28.5	171.667
Pd	105	1	He	0.002212	199.4	50.000
Ag	107	1	He	1.163466	79.4	23691.997
Cd	111	1	He	0.020167	32.4	78.283
Sn	118	1	He	0.040025	20.4	535.017
Sb	121	1	He	0.003792	77.6	125.000
Ba	138	1	He	0.042224	10.6	1481.747
Pt	195	1	He	0.006338	71.9	150.003
Hg	202	1	He	0.009995	56.2	123.333
Tl	205	1	He	0.013141	10.1	1196.723
Pb	206	1	He	0.028856	5.6	505.010
Pb	207	1	He	0.027595	39.8	1135.057
Pb	208	1	He	0.027289	5.7	2635.110
Bi	209	1	He	0.021782	22.8	2303.557
Th	232	1	He	0.014297	9.0	995.043
U	238	1	He	0.005657	7.4	456.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	73.61165522	805036.937
Sc	45	2	H2	73.48112042	4924830.833
Ge	72	1	He	72.40165234	490261.603
Ge	72	2	H2	74.71588563	1355236.707
In	115	1	He	77.14015868	5623049.690
Tb	159	1	He	79.36893920	12851592.727
Ir	193	1	He	79.60846384	6223170.323

Sample Name	4322450_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	262SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:51:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	102.181140	5.0	59225.033
Be	9	2	H2	102.642211	4.6	50698.337
B	11	2	H2	100.526328	5.2	54402.873
Na	23	1	He	2169.002614	1.4	3133328.390
Mg	24	1	He	2144.697105	1.2	1716417.317
Al	27	1	He	2096.537419	0.5	907547.083
Si	28	2	H2	521.181774	4.3	1757903.750
K	39	1	He	2224.486349	1.3	2744398.813
Ca	43	1	He	2118.953813	1.2	7751.720
Ca	44	1	He	2115.933555	0.4	129635.067
Ti	47	1	He	101.480427	1.2	39817.923
V	51	1	He	108.664392	0.7	1007334.490
Cr	52	1	He	109.497950	0.2	1215333.083
Mn	55	1	He	108.920118	0.5	913723.750
Fe	56	1	He	2192.864350	0.9	22257122.000
Co	59	1	He	110.924190	1.3	1820254.623
Ni	60	1	He	110.186191	0.5	443218.147
Cu	63	1	He	110.963213	0.3	1148785.750
Zn	66	1	He	108.430983	0.8	231498.803
As	75	1	He	105.229277	0.2	184101.540
Se	78	2	H2	103.332283	1.0	89949.770
Sr	88	1	He	101.862912	0.3	1539604.610
Mo	95	1	He	107.498731	0.6	695249.753
Pd	105	1	He	20.573300	0.7	198478.220
Ag	107	1	He	48.406325	4.8	931132.877
Cd	111	1	He	103.098344	1.0	377270.707
Sn	118	1	He	100.885609	0.6	969427.277
Sb	121	1	He	99.207840	0.2	1243713.680
Ba	138	1	He	106.704807	0.4	3384126.300
Pt	195	1	He	20.674688	0.3	244063.463
Hg	202	1	He	0.026413	10.9	220.010
Tl	205	1	He	109.479731	1.1	4721276.803
Pb	206	1	He	110.330320	0.6	1615831.747
Pb	207	1	He	109.475953	0.6	1339435.867
Pb	208	1	He	109.816747	0.4	6343779.333
Bi	209	1	He	112.076529	0.4	5094750.130
Th	232	1	He	109.510919	1.1	7085948.437
U	238	1	He	103.695908	0.9	6862997.813

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.61970580	794188.710
Sc	45	2	H2	72.51455560	4860050.000
Ge	72	1	He	72.98799856	494231.997
Ge	72	2	H2	74.14230495	1344832.793
In	115	1	He	74.99625054	5466771.790
Tb	159	1	He	78.51863884	12713910.227
Ir	193	1	He	77.64215099	6069459.283

Sample Name	10607799001_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	263SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:55:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.955708	8.0	1810.590
Be	9	2	H2	0.039027	17.4	24.667
B	11	2	H2	7.282744	11.4	6181.147
Na	23	1	He	5835.288468	1.7	8459059.873
Mg	24	1	He	6865.050954	2.0	5521981.377
Al	27	1	He	35.583938	1.4	15682.640
Si	28	2	H2	6537.838284	7.8	22557130.000
K	39	1	He	542.285741	0.7	747096.500
Ca	43	1	He	47701.08452	1.2	175407.710
Ca	44	1	He	48566.17738	2.0	2990558.060
Ti	47	1	He	0.553408	40.9	221.343
V	51	1	He	0.483763	10.0	3188.307
Cr	52	1	He	3.192400	1.6	36062.340
Mn	55	1	He	9.470946	1.7	80587.333
Fe	56	1	He	43.019207	1.5	452071.020
Co	59	1	He	0.047521	1.4	841.353
Ni	60	1	He	-0.013235		602.010
Cu	63	1	He	0.134445	1.5	1602.077
Zn	66	1	He	0.916263	2.3	2083.460
As	75	1	He	0.319125	5.1	748.853
Se	78	2	H2	0.303497	3.3	279.000
Sr	88	1	He	95.223939	1.6	1468920.657
Mo	95	1	He	0.726458	4.9	4617.317
Pd	105	1	He	0.012066	57.8	146.670
Ag	107	1	He	2.612760	75.2	52109.033
Cd	111	1	He	0.016351	0.5	63.613
Sn	118	1	He	0.094713	13.9	1066.707
Sb	121	1	He	0.041271	17.8	603.347
Ba	138	1	He	1.982852	1.0	64062.487
Pt	195	1	He	0.009346	86.3	186.670
Hg	202	1	He	0.003801	136.2	86.667
Tl	205	1	He	0.035365	1.0	2178.503
Pb	206	1	He	0.053684	15.5	878.367
Pb	207	1	He	0.047983	1.2	1395.077
Pb	208	1	He	0.052804	2.9	4150.240
Bi	209	1	He	0.009798	38.7	1763.467
Th	232	1	He	0.037238	7.8	2470.227
U	238	1	He	0.589348	1.8	39296.103

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	73.07026679	799116.167
Sc	45	2	H2	74.55506834	4996808.667
Ge	72	1	He	71.48421922	484049.283
Ge	72	2	H2	74.54476983	1352132.917
In	115	1	He	76.54527370	5579686.183
Tb	159	1	He	79.83748984	12927461.473
Ir	193	1	He	78.08727929	6104255.950

Sample Name	4323801_B70203Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	264SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:58:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.642798	5.3	428.007
Be	9	2	H2	0.016456	15.4	13.000
B	11	2	H2	0.901133	35.1	2743.583
Na	23	1	He	1191.865085	1.8	1749984.190
Mg	24	1	He	1390.846792	1.8	1128409.020
Al	27	1	He	8.408967	4.0	3874.413
Si	28	2	H2	1369.322685	5.4	4673089.167
K	39	1	He	127.368568	2.9	251932.717
Ca	43	1	He	9682.675868	1.9	35850.677
Ca	44	1	He	9956.765944	1.3	617386.250
Ti	47	1	He	0.076014	45.1	32.667
V	51	1	He	0.080441	25.8	-582.937
Cr	52	1	He	0.652421	3.0	7760.350
Mn	55	1	He	1.906547	0.9	16905.240
Fe	56	1	He	9.272679	1.8	108373.023
Co	59	1	He	0.007584	17.5	202.667
Ni	60	1	He	-0.116381		199.333
Cu	63	1	He	0.030236	6.6	554.677
Zn	66	1	He	0.250115	10.3	702.683
As	75	1	He	0.052665	19.9	297.833
Se	78	2	H2	0.056125	24.3	62.333
Sr	88	1	He	18.833021	0.7	293311.637
Mo	95	1	He	0.146771	8.5	963.373
Pd	105	1	He	0.006546	78.9	93.333
Ag	107	1	He	1.331777	76.1	27156.923
Cd	111	1	He	0.001882	184.4	9.710
Sn	118	1	He	0.103056	8.4	1158.387
Sb	121	1	He	0.005990	14.5	153.333
Ba	138	1	He	0.395325	2.1	12849.993
Pt	195	1	He	0.001004	260.5	86.667
Hg	202	1	He	0.008280	78.4	113.333
Tl	205	1	He	-0.002021		538.343
Pb	206	1	He	0.007867	21.0	195.000
Pb	207	1	He	0.004239	203.1	848.367
Pb	208	1	He	0.008717	12.4	1556.717
Bi	209	1	He	-0.000873		1266.743
Th	232	1	He	0.009604	19.0	676.690
U	238	1	He	0.119395	2.3	8083.817

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	73.56694345	804547.957
Sc	45	2	H2	73.58579047	4931846.000
Ge	72	1	He	72.64269995	491893.837
Ge	72	2	H2	74.46683024	1350719.207
In	115	1	He	77.24154782	5630440.343
Tb	159	1	He	79.66658471	12899788.140
Ir	193	1	He	78.72781481	6154328.033

Sample Name	4322451_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	265SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:02:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	92.842312	4.6	53593.873
Be	9	2	H2	91.862916	4.6	45186.710
B	11	2	H2	95.446159	4.4	51548.253
Na	23	1	He	7469.732163	2.2	10642858.173
Mg	24	1	He	8360.815702	2.4	6611574.487
Al	27	1	He	1966.995577	2.0	842314.500
Si	28	2	H2	6557.909909	6.3	21930239.333
K	39	1	He	2538.558154	2.4	3084520.370
Ca	43	1	He	46677.43100	2.4	168752.313
Ca	44	1	He	47119.56329	2.6	2852721.393
Ti	47	1	He	94.368775	2.7	36628.000
V	51	1	He	102.445595	2.8	939304.260
Cr	52	1	He	104.433409	2.0	1146646.123
Mn	55	1	He	108.233824	1.9	898200.063
Fe	56	1	He	2046.564373	2.7	20548416.000
Co	59	1	He	101.282856	2.0	1628367.543
Ni	60	1	He	99.777850	1.2	393293.283
Cu	63	1	He	100.446119	1.5	1018853.163
Zn	66	1	He	99.195673	1.5	207510.370
As	75	1	He	98.699304	1.5	169191.203
Se	78	2	H2	92.809938	0.9	79502.413
Sr	88	1	He	186.185089	1.7	2744780.377
Mo	95	1	He	102.208840	1.2	647682.007
Pd	105	1	He	18.906390	1.0	177914.080
Ag	107	1	He	46.370757	6.8	870060.143
Cd	111	1	He	95.733587	0.8	341711.747
Sn	118	1	He	95.119183	0.8	891543.553
Sb	121	1	He	92.880590	0.8	1135769.487
Ba	138	1	He	98.874126	2.1	3119236.513
Pt	195	1	He	18.782261	1.7	220569.690
Hg	202	1	He	0.013626	110.7	143.337
Tl	205	1	He	100.263881	2.0	4301103.477
Pb	206	1	He	99.455088	2.0	1448880.133
Pb	207	1	He	99.094812	0.2	1206166.570
Pb	208	1	He	99.089287	1.3	5694071.137
Bi	209	1	He	101.607604	1.5	4594689.723
Th	232	1	He	102.099919	2.8	6510524.697
U	238	1	He	96.917863	2.8	6321143.657

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.84926640	785762.977
Sc	45	2	H2	72.23261465	4841153.833
Ge	72	1	He	71.51442856	484253.843
Ge	72	2	H2	72.96123051	1323409.833
In	115	1	He	73.15178835	5332321.683
Tb	159	1	He	78.10811502	12647437.310
Ir	193	1	He	76.52924767	5982461.160

Sample Name	4322452_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	266SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:06:04
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	102.043800	4.5	58458.407
Be	9	2	H2	101.543172	4.6	49575.197
B	11	2	H2	107.259621	4.8	57224.707
Na	23	1	He	7809.900901	1.1	11178584.830
Mg	24	1	He	8741.371531	1.3	6944526.353
Al	27	1	He	2111.782390	1.2	908485.850
Si	28	2	H2	6991.213765	6.7	23205426.667
K	39	1	He	2686.873821	0.6	3274387.450
Ca	43	1	He	48951.31872	1.2	177796.203
Ca	44	1	He	49033.79955	0.9	2982466.287
Ti	47	1	He	101.671276	0.9	39646.257
V	51	1	He	110.113153	2.1	1014433.890
Cr	52	1	He	112.307015	1.4	1238774.337
Mn	55	1	He	116.580351	0.6	971900.523
Fe	56	1	He	2205.058268	1.0	22242507.333
Co	59	1	He	107.727369	1.7	1749339.420
Ni	60	1	He	106.720674	1.1	424830.457
Cu	63	1	He	106.846770	1.0	1094655.960
Zn	66	1	He	105.489589	1.2	222880.100
As	75	1	He	104.963831	1.1	181723.340
Se	78	2	H2	101.862461	1.7	86968.733
Sr	88	1	He	193.540163	0.3	2895952.040
Mo	95	1	He	109.694755	0.9	702077.620
Pd	105	1	He	20.105527	1.9	192015.460
Ag	107	1	He	47.726050	5.0	908752.123
Cd	111	1	He	101.185035	0.4	366604.643
Sn	118	1	He	101.120119	1.7	961913.293
Sb	121	1	He	99.289935	2.1	1232220.063
Ba	138	1	He	105.759604	1.3	3323827.243
Pt	195	1	He	20.493657	1.6	239739.097
Hg	202	1	He	0.019975	39.0	180.003
Tl	205	1	He	108.111679	1.4	4620070.557
Pb	206	1	He	108.013237	1.0	1567613.207
Pb	207	1	He	107.607821	1.5	1304685.240
Pb	208	1	He	107.486589	1.0	6153129.647
Bi	209	1	He	108.573954	0.7	4891127.533
Th	232	1	He	108.354545	0.6	6932893.650
U	238	1	He	103.739902	0.5	6789396.567

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.17202665	789292.770
Sc	45	2	H2	71.67918706	4804062.167
Ge	72	1	He	72.23115768	489107.113
Ge	72	2	H2	72.72057583	1319044.710
In	115	1	He	74.25035538	5412400.557
Tb	159	1	He	77.81388420	12599794.810
Ir	193	1	He	76.77695131	6001824.703

Sample Name	10607799001_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	267SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:09:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.165622	7.6	148.333
Be	9	2	H2	0.051866	14.8	30.833
B	11	2	H2	-0.193120		2173.517
Na	23	1	He	296.946745	1.0	443168.783
Mg	24	1	He	347.345182	1.5	282018.647
Al	27	1	He	3.391012	1.1	1664.747
Si	28	2	H2	335.216856	5.2	1153096.877
K	39	1	He	50.743090	2.4	158560.937
Ca	43	1	He	2413.012783	0.1	8884.010
Ca	44	1	He	2474.265949	0.6	152553.657
Ti	47	1	He	0.068041	50.4	29.333
V	51	1	He	0.040690	217.8	-952.817
Cr	52	1	He	0.185143	7.5	2492.847
Mn	55	1	He	0.431448	2.9	4351.873
Fe	56	1	He	2.735681	1.3	40944.130
Co	59	1	He	0.009134	14.6	228.000
Ni	60	1	He	-0.125023		164.667
Cu	63	1	He	0.023863	15.9	488.677
Zn	66	1	He	0.056302	12.4	291.333
As	75	1	He	0.015382	31.8	232.833
Se	78	2	H2	0.042976	14.3	51.000
Sr	88	1	He	4.583901	2.8	71362.287
Mo	95	1	He	0.095881	15.0	635.020
Pd	105	1	He	0.006223	80.9	90.000
Ag	107	1	He	1.720233	71.4	34716.343
Cd	111	1	He	0.008587	107.6	34.810
Sn	118	1	He	0.125905	3.1	1381.733
Sb	121	1	He	0.009517	8.7	198.333
Ba	138	1	He	0.102648	1.9	3423.713
Pt	195	1	He	0.004382	95.9	126.667
Hg	202	1	He	0.005484	122.0	96.667
Tl	205	1	He	0.032971	12.1	2065.153
Pb	206	1	He	0.016421	24.8	321.677
Pb	207	1	He	0.006579	94.0	876.700
Pb	208	1	He	0.012607	9.8	1781.727
Bi	209	1	He	0.007618	41.7	1656.797
Th	232	1	He	0.020929	26.4	1418.420
U	238	1	He	0.037605	8.2	2593.580

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	73.09298935	799364.667
Sc	45	2	H2	73.73559266	4941886.000
Ge	72	1	He	72.60868540	491663.510
Ge	72	2	H2	74.42678437	1349992.833
In	115	1	He	77.06116830	5617291.770
Tb	159	1	He	79.51132497	12874648.143
Ir	193	1	He	78.68689021	6151128.867

Sample Name	4323801_B70203Dx100
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	268SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:13:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.052643	8.7	79.833
Be	9	2	H2	0.018327	20.2	13.667
B	11	2	H2	-0.544701		1940.137
Na	23	1	He	65.807268	1.8	106579.810
Mg	24	1	He	70.171314	2.7	58035.537
Al	27	1	He	5.291805	2.7	2449.167
Si	28	2	H2	69.101733	6.3	239428.483
K	39	1	He	30.375591	6.1	131808.790
Ca	43	1	He	487.880826	1.7	1770.950
Ca	44	1	He	506.242284	1.2	30774.427
Ti	47	1	He	0.014434	94.0	8.000
V	51	1	He	0.030741	307.3	-1028.307
Cr	52	1	He	0.065554	2.2	1136.707
Mn	55	1	He	0.064898	15.2	1236.713
Fe	56	1	He	1.357884	2.5	26404.560
Co	59	1	He	0.003377	28.0	130.667
Ni	60	1	He	-0.130655		138.667
Cu	63	1	He	0.026698	12.0	504.677
Zn	66	1	He	0.083562	58.5	340.673
As	75	1	He	-0.007211		188.667
Se	78	2	H2	0.017161	47.3	27.667
Sr	88	1	He	0.950768	1.4	14602.837
Mo	95	1	He	0.026142	17.3	181.667
Pd	105	1	He	0.005062	23.5	76.667
Ag	107	1	He	1.468212	75.7	29036.547
Cd	111	1	He	0.004289	91.3	18.277
Sn	118	1	He	0.113629	12.0	1231.723
Sb	121	1	He	0.006171	69.4	151.667
Ba	138	1	He	0.029192	15.7	1048.373
Pt	195	1	He	0.001702	52.5	93.333
Hg	202	1	He	0.007998	77.8	110.000
Tl	205	1	He	0.002925	80.2	741.690
Pb	206	1	He	0.011034	18.7	238.333
Pb	207	1	He	0.001406	741.2	800.030
Pb	208	1	He	0.008323	24.1	1508.373
Bi	209	1	He	-0.000382		1270.077
Th	232	1	He	0.006997	20.9	500.013
U	238	1	He	0.009455	9.1	700.027

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.81068316	785341.020
Sc	45	2	H2	72.03917237	4828189.000
Ge	72	1	He	70.77605995	479254.043
Ge	72	2	H2	72.54896844	1315932.003
In	115	1	He	75.29325573	5488421.667
Tb	159	1	He	78.36886268	12689658.143
Ir	193	1	He	77.95268864	6093734.700

Sample Name	10607799002_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	269SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:16:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.014422	3.3	1191.203
Be	9	2	H2	0.063242	21.8	35.167
B	11	2	H2	5.332969	12.1	4904.087
Na	23	1	He	7087.714810	0.4	10115166.933
Mg	24	1	He	6814.850671	0.4	5398134.710
Al	27	1	He	501.889568	0.8	215396.153
Si	28	2	H2	4559.232976	7.1	15010903.667
K	39	1	He	821.310866	0.1	1064660.610
Ca	43	1	He	24452.75911	0.2	88548.147
Ca	44	1	He	25135.13060	0.7	1524243.593
Ti	47	1	He	7.585408	3.1	2950.943
V	51	1	He	2.484183	4.7	21533.760
Cr	52	1	He	2.067876	2.1	23150.837
Mn	55	1	He	31.808297	0.4	264875.490
Fe	56	1	He	567.950370	0.9	5720952.500
Co	59	1	He	0.187204	4.4	3066.937
Ni	60	1	He	2.650968	4.5	11012.060
Cu	63	1	He	1.470937	3.0	15055.663
Zn	66	1	He	11.908134	0.9	24897.240
As	75	1	He	0.879252	0.8	1697.247
Se	78	2	H2	16.060414	1.8	13503.130
Sr	88	1	He	89.689605	2.5	1359777.063
Mo	95	1	He	2.404685	1.5	15156.653
Pd	105	1	He	0.017153	51.9	193.337
Ag	107	1	He	1.325838	78.8	26212.193
Cd	111	1	He	0.122049	7.8	450.463
Sn	118	1	He	0.114280	4.3	1236.723
Sb	121	1	He	0.149504	7.4	1953.463
Ba	138	1	He	27.589809	0.2	884947.720
Pt	195	1	He	0.010270	17.8	196.673
Hg	202	1	He	0.004957	20.2	93.333
Tl	205	1	He	0.015769	21.8	1311.737
Pb	206	1	He	0.600412	3.3	8969.267
Pb	207	1	He	0.563841	4.0	7765.283
Pb	208	1	He	0.574241	3.2	34579.637
Bi	209	1	He	0.012902	25.1	1896.813
Th	232	1	He	0.144186	1.1	9471.297
U	238	1	He	1.159257	1.2	77584.660

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.94962267	786860.500
Sc	45	2	H2	70.99750503	4758374.667
Ge	72	1	He	71.04400298	481068.397
Ge	72	2	H2	71.53281214	1297500.417
In	115	1	He	75.22311848	5483309.087
Tb	159	1	He	79.40316346	12857134.393
Ir	193	1	He	78.44017268	6131842.410

Sample Name	10607799002_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	270SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:20:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.108811	27.0	111.667
Be	9	2	H2	0.027152	37.1	18.000
B	11	2	H2	-0.775002		1823.467
Na	23	1	He	350.762834	0.7	512257.543
Mg	24	1	He	336.107852	1.7	268349.247
Al	27	1	He	26.878759	2.6	11694.450
Si	28	2	H2	222.984689	5.7	752003.980
K	39	1	He	62.627791	2.8	169870.630
Ca	43	1	He	1223.742180	2.1	4433.033
Ca	44	1	He	1259.104863	0.3	76381.550
Ti	47	1	He	0.345942	13.7	136.667
V	51	1	He	0.098813	49.3	-401.253
Cr	52	1	He	0.114013	3.0	1669.420
Mn	55	1	He	1.532727	1.3	13412.327
Fe	56	1	He	28.501776	1.5	298871.747
Co	59	1	He	0.008140	12.5	206.667
Ni	60	1	He	0.010394	114.8	688.683
Cu	63	1	He	0.092833	8.5	1170.043
Zn	66	1	He	0.621121	10.2	1454.067
As	75	1	He	0.046591	8.0	280.167
Se	78	2	H2	0.787537	5.1	684.347
Sr	88	1	He	4.299126	0.7	65856.097
Mo	95	1	He	0.123532	8.1	793.360
Pd	105	1	He	0.003976	64.1	66.667
Ag	107	1	He	1.975016	77.8	39024.960
Cd	111	1	He	0.017249	39.4	66.427
Sn	118	1	He	0.123526	10.2	1336.733
Sb	121	1	He	0.010944	19.9	213.333
Ba	138	1	He	1.384760	0.5	43798.360
Pt	195	1	He	0.002310	74.9	100.000
Hg	202	1	He	0.001266	262.5	70.000
Tl	205	1	He	-0.005199		391.677
Pb	206	1	He	0.032036	8.1	543.350
Pb	207	1	He	0.026391	15.4	1101.717
Pb	208	1	He	0.030810	11.0	2795.123
Bi	209	1	He	-0.003532		1123.407
Th	232	1	He	0.009062	13.4	631.683
U	238	1	He	0.059432	6.1	4003.893

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.85366887	785811.123
Sc	45	2	H2	71.99467187	4825206.500
Ge	72	1	He	70.85881567	479814.417
Ge	72	2	H2	72.58880977	1316654.667
In	115	1	He	75.81404935	5526384.363
Tb	159	1	He	78.08640964	12643922.727
Ir	193	1	He	77.62809813	6068360.740

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	271_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:23:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	74.240416	5.9	41291.917
Be	9	2	H2	74.354167	5.7	35231.857
B	11	2	H2	70.828176	7.2	37407.890
Na	23	1	He	1993.271427	2.5	2778797.667
Mg	24	1	He	1971.585133	2.5	1522346.330
Al	27	1	He	1920.324578	1.6	801926.440
Si	28	2	H2	928.544026	6.0	2997838.417
K	39	1	He	2040.660036	2.4	2436450.433
Ca	43	1	He	1915.126372	1.5	6759.413
Ca	44	1	He	1937.848977	1.9	114540.313
Ti	47	1	He	75.200786	2.3	28464.847
V	51	1	He	79.701306	1.5	712402.227
Cr	52	1	He	80.356772	1.2	860501.627
Mn	55	1	He	81.766023	1.6	661877.167
Fe	56	1	He	1011.773662	2.2	9913295.333
Co	59	1	He	80.532241	2.1	1275097.043
Ni	60	1	He	80.579279	1.6	312907.853
Cu	63	1	He	82.939544	1.5	828544.357
Zn	66	1	He	79.286760	1.4	163373.303
As	75	1	He	77.065584	1.6	130142.453
Se	78	2	H2	74.769392	0.9	62451.970
Sr	88	1	He	73.263937	0.5	1083480.427
Mo	95	1	He	79.761747	1.8	497734.040
Pd	105	1	He	75.974263	1.3	717006.967
Ag	107	1	He	40.929258	7.8	770117.877
Cd	111	1	He	75.278319	0.5	269526.903
Sn	118	1	He	75.523669	0.6	710048.893
Sb	121	1	He	72.919730	0.5	894396.757
Ba	138	1	He	77.220843	1.1	2423559.857
Pt	195	1	He	75.903307	0.8	886445.090
Hg	202	1	He	3.522872	2.8	20807.113
Tl	205	1	He	39.263314	0.7	1675888.830
Pb	206	1	He	77.971483	0.8	1129986.570
Pb	207	1	He	81.551082	0.9	987546.417
Pb	208	1	He	80.259972	0.6	4588233.107
Bi	209	1	He	83.295034	1.0	3747286.713
Th	232	1	He	76.873170	0.6	4979000.237
U	238	1	He	74.079158	0.7	4907712.323

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.05624373	766153.997
Sc	45	2	H2	69.60680406	4665167.500
Ge	72	1	He	70.42551429	476880.353
Ge	72	2	H2	71.14063603	1290386.917
In	115	1	He	73.37587192	5348656.017
Tb	159	1	He	77.69738792	12580931.477
Ir	193	1	He	77.71678855	6075293.867

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	272_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:27:27
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.025435	52.4	62.667
Be	9	2	H2	0.029195	50.6	18.333
B	11	2	H2	-0.624646		1846.793
Na	23	1	He	4.084647	3.3	18204.003
Mg	24	1	He	-2.406488		666.687
Al	27	1	He	0.981777	8.4	586.010
Si	28	2	H2	-0.078233		8671.543
K	39	1	He	25.524693	3.6	122263.573
Ca	43	1	He	1.490301	40.8	12.750
Ca	44	1	He	0.579637	107.2	166.080
Ti	47	1	He	0.008015	101.0	5.333
V	51	1	He	-0.000286		-1271.957
Cr	52	1	He	0.004563	68.8	453.343
Mn	55	1	He	-0.048659		286.667
Fe	56	1	He	0.108717	32.0	13451.020
Co	59	1	He	0.003236	7.6	125.333
Ni	60	1	He	-0.138524		105.333
Cu	63	1	He	0.004370	36.2	274.000
Zn	66	1	He	0.026014	44.3	216.000
As	75	1	He	0.000649	562.1	197.167
Se	78	2	H2	0.018815	20.0	28.333
Sr	88	1	He	0.004987	56.1	245.003
Mo	95	1	He	0.045080	15.1	293.343
Pd	105	1	He	0.011342	29.1	133.337
Ag	107	1	He	1.591418	69.9	30456.710
Cd	111	1	He	0.006770	106.4	26.577
Sn	118	1	He	0.021040	21.2	328.343
Sb	121	1	He	0.013914	16.8	241.670
Ba	138	1	He	0.007463	14.3	351.677
Pt	195	1	He	0.008043	45.0	163.337
Hg	202	1	He	0.029844	58.1	233.340
Tl	205	1	He	0.045227	15.7	2491.880
Pb	206	1	He	0.005750	39.4	156.667
Pb	207	1	He	0.000805	48.5	771.697
Pb	208	1	He	0.005604	12.4	1315.040
Bi	209	1	He	0.003962	120.6	1426.763
Th	232	1	He	0.012573	7.8	838.367
U	238	1	He	0.006640	12.5	498.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.62616321	761450.520
Sc	45	2	H2	70.12498685	4699897.000
Ge	72	1	He	69.08453845	467800.050
Ge	72	2	H2	70.59831678	1280550.040
In	115	1	He	73.06457350	5325964.250
Tb	159	1	He	76.20882582	12339900.237
Ir	193	1	He	75.80046422	5925490.540

Sample Name	10607799003_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	273SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:31:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	7.034019	4.3	4046.107
Be	9	2	H2	0.065143	32.4	36.333
B	11	2	H2	12.471426	13.5	8555.457
Na	23	1	He	6357.124463	2.4	8845589.453
Mg	24	1	He	12033.88645	2.2	9290572.153
Al	27	1	He	119.417741	2.8	50096.903
Si	28	2	H2	8574.954081	7.0	28264088.667
K	39	1	He	886.943101	2.5	1113327.277
Ca	43	1	He	47685.95622	2.2	168331.837
Ca	44	1	He	48518.96787	2.6	2868071.953
Ti	47	1	He	2.181618	24.7	828.750
V	51	1	He	0.293872	41.0	1349.120
Cr	52	1	He	3.594937	2.3	38933.563
Mn	55	1	He	57.308585	2.6	464664.353
Fe	56	1	He	130.133098	2.0	1287518.917
Co	59	1	He	0.226125	5.3	3579.027
Ni	60	1	He	1.438520	4.3	6087.047
Cu	63	1	He	6.358643	2.1	62392.240
Zn	66	1	He	4.273011	2.1	8773.500
As	75	1	He	0.208340	5.3	539.510
Se	78	2	H2	0.160138	6.4	146.667
Sr	88	1	He	206.405548	1.9	3049068.080
Mo	95	1	He	0.613681	7.1	3765.447
Pd	105	1	He	0.031770	18.3	326.677
Ag	107	1	He	3.026878	78.7	57587.330
Cd	111	1	He	0.040924	38.4	148.873
Sn	118	1	He	0.282198	4.8	2781.923
Sb	121	1	He	0.087951	6.2	1150.057
Ba	138	1	He	7.123905	1.1	224191.563
Pt	195	1	He	0.007748	28.8	163.337
Hg	202	1	He	0.019949	9.2	180.007
Tl	205	1	He	0.019163	15.6	1431.747
Pb	206	1	He	0.181191	5.0	2708.583
Pb	207	1	He	0.177260	5.4	2928.633
Pb	208	1	He	0.171680	3.2	10858.130
Bi	209	1	He	0.011572	43.4	1800.137
Th	232	1	He	0.291147	3.1	18501.023
U	238	1	He	0.880666	1.6	57165.647

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.15199972	767201.210
Sc	45	2	H2	71.17481323	4770258.167
Ge	72	1	He	68.93992809	466820.833
Ge	72	2	H2	71.20899657	1291626.877
In	115	1	He	73.30611335	5343571.040
Tb	159	1	He	77.87260839	12609303.560
Ir	193	1	He	76.05978213	5945761.997

Sample Name	10607799003_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	274SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:34:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.349596	9.3	250.167
Be	9	2	H2	0.019632	30.4	14.333
B	11	2	H2	-0.403968		2010.143
Na	23	1	He	319.500623	1.9	467358.900
Mg	24	1	He	600.800076	2.4	477244.730
Al	27	1	He	7.168723	2.2	3251.627
Si	28	2	H2	438.748391	6.8	1469825.170
K	39	1	He	65.018852	2.3	172532.043
Ca	43	1	He	2364.940054	1.1	8552.313
Ca	44	1	He	2453.758988	3.0	148600.807
Ti	47	1	He	0.072973	30.0	30.667
V	51	1	He	-0.038746		-1665.290
Cr	52	1	He	0.228217	3.0	2920.913
Mn	55	1	He	2.844096	2.3	24267.603
Fe	56	1	He	6.926551	1.1	82245.630
Co	59	1	He	0.013104	21.6	286.667
Ni	60	1	He	-0.048343		461.343
Cu	63	1	He	0.326100	6.6	3525.693
Zn	66	1	He	0.255546	3.2	699.350
As	75	1	He	0.001780	82.2	204.833
Se	78	2	H2	0.010891	14.4	22.333
Sr	88	1	He	9.861574	2.2	151156.707
Mo	95	1	He	0.031818	15.6	218.333
Pd	105	1	He	0.005684	28.8	83.333
Ag	107	1	He	2.453539	75.4	48278.677
Cd	111	1	He	0.008740	30.8	34.933
Sn	118	1	He	0.120680	9.8	1311.733
Sb	121	1	He	0.008145	37.6	178.333
Ba	138	1	He	0.362106	2.8	11637.470
Pt	195	1	He	0.004754	107.2	130.000
Hg	202	1	He	0.015758	80.9	156.673
Tl	205	1	He	-0.003070		486.677
Pb	206	1	He	0.012781	34.1	265.003
Pb	207	1	He	0.006891	64.1	871.700
Pb	208	1	He	0.010294	31.0	1630.050
Bi	209	1	He	0.000877	205.5	1333.420
Th	232	1	He	0.016641	6.3	1123.387
U	238	1	He	0.045802	1.8	3105.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.79275901	785144.997
Sc	45	2	H2	71.93286106	4821063.833
Ge	72	1	He	71.09872763	481438.960
Ge	72	2	H2	72.44052951	1313965.080
In	115	1	He	75.96587648	5537451.640
Tb	159	1	He	78.71442989	12745613.143
Ir	193	1	He	77.71715364	6075322.407

Sample Name	10607799004_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	275SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:38:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.340351	3.8	3119.923
Be	9	2	H2	0.028083	28.6	18.500
B	11	2	H2	10.939489	1.4	7851.820
Na	23	1	He	5979.762484	0.9	8362510.083
Mg	24	1	He	14552.08329	1.6	11288939.413
Al	27	1	He	154.947471	1.7	65267.900
Si	28	2	H2	6142.778912	5.5	20489772.000
K	39	1	He	787.563926	1.0	1004038.187
Ca	43	1	He	66737.95055	1.0	236745.583
Ca	44	1	He	68002.01596	1.3	4039562.400
Ti	47	1	He	1.463276	7.4	559.343
V	51	1	He	0.383379	19.0	2174.677
Cr	52	1	He	1.542240	3.5	17016.660
Mn	55	1	He	31.262869	1.2	255046.683
Fe	56	1	He	168.972058	1.3	1676253.293
Co	59	1	He	0.895262	2.6	14053.493
Ni	60	1	He	0.126515	4.8	1119.373
Cu	63	1	He	0.202837	3.5	2231.483
Zn	66	1	He	1.321688	2.2	2847.570
As	75	1	He	0.264558	2.8	637.343
Se	78	2	H2	0.501405	1.5	438.010
Sr	88	1	He	137.341949	1.7	2039631.427
Mo	95	1	He	0.295011	8.0	1831.780
Pd	105	1	He	0.029865	7.3	310.010
Ag	107	1	He	2.660881	78.2	51202.027
Cd	111	1	He	0.013065	9.9	49.450
Sn	118	1	He	0.082994	7.0	916.703
Sb	121	1	He	0.027680	4.2	413.343
Ba	138	1	He	22.955469	1.4	724349.157
Pt	195	1	He	0.014043	71.5	236.673
Hg	202	1	He	0.016470	20.7	160.003
Tl	205	1	He	0.002823	49.8	735.027
Pb	206	1	He	0.122857	7.0	1868.460
Pb	207	1	He	0.113387	6.4	2161.840
Pb	208	1	He	0.116491	2.3	7722.437
Bi	209	1	He	0.010079	21.7	1740.143
Th	232	1	He	0.061709	3.5	3970.537
U	238	1	He	0.868795	1.3	56630.600

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.49362442	770937.310
Sc	45	2	H2	72.04859221	4828820.333
Ge	72	1	He	69.46715668	470390.917
Ge	72	2	H2	72.20446487	1309683.213
In	115	1	He	73.69882787	5372197.547
Tb	159	1	He	78.12515510	12650196.477
Ir	193	1	He	76.38015647	5970806.370

Sample Name	10607799004_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	276SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:41:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.273343	8.0	207.500
Be	9	2	H2	0.009729	40.7	9.500
B	11	2	H2	-0.509009		1966.813
Na	23	1	He	300.246120	1.0	443901.543
Mg	24	1	He	726.906902	0.6	582002.897
Al	27	1	He	9.220316	4.6	4165.840
Si	28	2	H2	315.197749	6.2	1064464.480
K	39	1	He	60.166543	3.9	168310.147
Ca	43	1	He	3317.170830	1.2	12100.307
Ca	44	1	He	3414.350552	0.8	208562.463
Ti	47	1	He	0.079172	54.4	33.333
V	51	1	He	0.053964	112.8	-822.387
Cr	52	1	He	0.099901	2.2	1526.737
Mn	55	1	He	1.479600	3.2	13076.747
Fe	56	1	He	8.988505	1.4	103842.133
Co	59	1	He	0.042406	4.1	762.020
Ni	60	1	He	-0.117416		192.667
Cu	63	1	He	0.044347	8.4	691.350
Zn	66	1	He	0.141196	10.7	466.010
As	75	1	He	0.001836	267.9	206.833
Se	78	2	H2	0.027807	13.6	37.000
Sr	88	1	He	6.683325	1.8	102617.050
Mo	95	1	He	0.017665	40.9	130.000
Pd	105	1	He	0.005332	58.3	80.000
Ag	107	1	He	1.731251	71.5	34509.090
Cd	111	1	He	0.002900	53.5	13.297
Sn	118	1	He	0.111331	6.4	1221.723
Sb	121	1	He	0.001865	209.5	98.333
Ba	138	1	He	1.167403	1.5	37371.427
Pt	195	1	He	0.000811	337.3	83.333
Hg	202	1	He	0.014474	29.1	150.000
Tl	205	1	He	-0.007867		280.007
Pb	206	1	He	0.010461	26.0	231.670
Pb	207	1	He	0.000960	228.8	801.697
Pb	208	1	He	0.008169	17.2	1511.710
Bi	209	1	He	0.000779	552.6	1333.420
Th	232	1	He	0.004298	11.7	328.343
U	238	1	He	0.043924	2.6	3023.660

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.43593077	792178.897
Sc	45	2	H2	72.33273642	4847864.167
Ge	72	1	He	71.76598703	485957.250
Ge	72	2	H2	72.94002795	1323025.250
In	115	1	He	76.06588169	5544741.413
Tb	159	1	He	78.99824161	12791568.560
Ir	193	1	He	78.81720875	6161316.157

Sample Name	10607799005_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	277SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:45:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.916225	5.2	2284.140
Be	9	2	H2	0.066099	32.1	37.000
B	11	2	H2	10.612257	10.1	7638.373
Na	23	1	He	6518.029586	2.3	9133276.947
Mg	24	1	He	6855.347490	2.4	5331000.753
Al	27	1	He	957.775175	2.0	403388.437
Si	28	2	H2	8119.889597	5.2	26870574.000
K	39	1	He	714.260099	1.7	921356.963
Ca	43	1	He	37457.60185	2.0	133163.350
Ca	44	1	He	38374.24545	1.4	2284680.163
Ti	47	1	He	13.984719	9.9	5336.913
V	51	1	He	1.223090	10.4	9747.050
Cr	52	1	He	5.375214	2.0	58422.130
Mn	55	1	He	106.477078	1.2	868938.207
Fe	56	1	He	1079.990641	1.7	10669230.667
Co	59	1	He	0.452908	3.9	7174.120
Ni	60	1	He	2.315001	2.0	9519.203
Cu	63	1	He	1.069595	1.4	10807.943
Zn	66	1	He	4.682131	3.8	9703.980
As	75	1	He	1.123918	2.6	2073.623
Se	78	2	H2	0.441347	4.4	384.003
Sr	88	1	He	58.397242	0.5	878721.240
Mo	95	1	He	1.337932	7.4	8278.717
Pd	105	1	He	0.012406	33.3	146.667
Ag	107	1	He	1.390488	81.4	27373.847
Cd	111	1	He	0.014620	60.0	55.847
Sn	118	1	He	0.111070	9.3	1196.723
Sb	121	1	He	0.042336	1.7	601.687
Ba	138	1	He	40.675229	0.5	1298533.967
Pt	195	1	He	0.010048	45.6	193.340
Hg	202	1	He	0.015592	15.6	156.667
Tl	205	1	He	0.002915	47.2	748.360
Pb	206	1	He	0.789742	0.9	11719.347
Pb	207	1	He	0.738509	1.4	9879.783
Pb	208	1	He	0.761661	1.4	45316.773
Bi	209	1	He	0.012125	26.6	1853.490
Th	232	1	He	0.470709	0.2	30626.557
U	238	1	He	0.368348	1.8	24549.500

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.64981722	772645.477
Sc	45	2	H2	71.48928593	4791334.667
Ge	72	1	He	69.71132378	472044.273
Ge	72	2	H2	71.60459302	1298802.417
In	115	1	He	74.65780533	5442101.187
Tb	159	1	He	79.03449874	12797439.393
Ir	193	1	He	77.95827728	6094171.577

Sample Name	10607799005_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	278SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:48:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.180018	4.2	151.333
Be	9	2	H2	0.013974	55.8	11.333
B	11	2	H2	-0.912744		1726.790
Na	23	1	He	324.298234	0.5	471497.220
Mg	24	1	He	341.296173	0.6	270674.100
Al	27	1	He	49.199340	2.7	21116.467
Si	28	2	H2	421.000791	8.8	1396327.877
K	39	1	He	56.718086	1.1	161849.347
Ca	43	1	He	1867.130632	0.6	6715.633
Ca	44	1	He	1936.610352	1.5	116642.403
Ti	47	1	He	0.695735	9.9	270.670
V	51	1	He	0.206109	5.5	579.703
Cr	52	1	He	0.282701	9.4	3498.350
Mn	55	1	He	6.371775	0.3	53200.377
Fe	56	1	He	112.100429	0.8	1130551.957
Co	59	1	He	0.028720	10.0	533.343
Ni	60	1	He	0.014349	55.9	702.683
Cu	63	1	He	0.152172	0.6	1762.760
Zn	66	1	He	0.271507	9.9	728.683
As	75	1	He	0.044334	15.9	275.833
Se	78	2	H2	0.022360	5.3	31.667
Sr	88	1	He	2.843608	1.1	43456.927
Mo	95	1	He	0.065232	28.6	426.680
Pd	105	1	He	0.006414	16.9	90.000
Ag	107	1	He	1.074229	80.9	21443.233
Cd	111	1	He	0.006080	59.7	24.873
Sn	118	1	He	0.097722	4.7	1081.717
Sb	121	1	He	0.003084	110.8	113.333
Ba	138	1	He	2.046447	1.3	65043.147
Pt	195	1	He	0.001970	212.1	96.667
Hg	202	1	He	0.009073	106.1	116.670
Tl	205	1	He	-0.009292		216.670
Pb	206	1	He	0.040581	8.8	671.687
Pb	207	1	He	0.027212	36.1	1118.383
Pb	208	1	He	0.039041	10.9	3286.823
Bi	209	1	He	0.000901	508.3	1330.083
Th	232	1	He	0.024721	8.2	1641.777
U	238	1	He	0.018951	7.7	1323.403

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.38733468	780711.167
Sc	45	2	H2	71.21015004	4772626.500
Ge	72	1	He	70.71753549	478857.750
Ge	72	2	H2	71.47267314	1296409.583
In	115	1	He	75.53130571	5505774.067
Tb	159	1	He	78.54606456	12718351.060
Ir	193	1	He	77.49071719	6057621.367

Sample Name	10607799006_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	279SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:52:29
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.813349	3.5	1609.237
Be	9	2	H2	0.020210	78.5	14.167
B	11	2	H2	10.465736	7.8	7351.553
Na	23	1	He	5607.662592	1.9	7770521.760
Mg	24	1	He	8367.823163	2.0	6432977.193
Al	27	1	He	45.465020	1.2	19102.850
Si	28	2	H2	6281.679974	7.4	20228094.000
K	39	1	He	855.376645	2.0	1072401.703
Ca	43	1	He	105079.5550	1.7	369324.137
Ca	44	1	He	107027.8041	2.3	6299212.557
Ti	47	1	He	0.684827	4.8	260.667
V	51	1	He	0.373450	16.8	2058.457
Cr	52	1	He	2.071765	2.4	22512.613
Mn	55	1	He	23.794956	1.8	192497.190
Fe	56	1	He	49.819054	1.9	498433.417
Co	59	1	He	0.041829	10.4	716.017
Ni	60	1	He	0.324774	4.4	1844.100
Cu	63	1	He	0.388980	1.8	3993.790
Zn	66	1	He	4.815125	3.3	9767.350
As	75	1	He	0.345478	1.6	758.353
Se	78	2	H2	1.072625	3.9	892.023
Sr	88	1	He	216.332647	2.3	3193050.577
Mo	95	1	He	0.109850	3.6	681.687
Pd	105	1	He	0.034945	34.7	356.680
Ag	107	1	He	2.708677	81.5	51754.967
Cd	111	1	He	0.020243	23.8	74.793
Sn	118	1	He	0.085036	4.8	930.033
Sb	121	1	He	0.033452	5.0	481.677
Ba	138	1	He	38.390099	1.1	1206095.137
Pt	195	1	He	0.006895	37.2	153.337
Hg	202	1	He	0.005853	146.0	96.670
Tl	205	1	He	-0.001919		530.013
Pb	206	1	He	0.102501	4.4	1563.423
Pb	207	1	He	0.080684	8.5	1755.113
Pb	208	1	He	0.094690	1.8	6438.873
Bi	209	1	He	0.006335	69.7	1563.447
Th	232	1	He	0.018364	8.4	1211.727
U	238	1	He	0.787168	2.5	51228.777

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.84440307	763837.250
Sc	45	2	H2	69.51261817	4658855.000
Ge	72	1	He	68.26284948	462236.053
Ge	72	2	H2	69.84516445	1266888.960
In	115	1	He	73.25003072	5339482.957
Tb	159	1	He	77.77694259	12593813.143
Ir	193	1	He	76.24806300	5960480.330

Sample Name	10607799006_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	280SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:56:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.122174	18.9	118.500
Be	9	2	H2	0.013229	42.7	11.000
B	11	2	H2	-0.575284		1900.137
Na	23	1	He	296.553160	4.7	417487.847
Mg	24	1	He	441.414680	5.3	337288.053
Al	27	1	He	4.537628	39.6	2018.013
Si	28	2	H2	326.891622	6.0	1086387.417
K	39	1	He	67.246496	10.8	168195.453
Ca	43	1	He	5468.169076	4.1	18984.440
Ca	44	1	He	5609.151982	3.9	326119.193
Ti	47	1	He	0.086775	112.1	33.333
V	51	1	He	0.026491	376.9	-1045.187
Cr	52	1	He	0.137327	4.7	1849.433
Mn	55	1	He	1.214256	5.1	10333.633
Fe	56	1	He	3.945743	39.0	49821.357
Co	59	1	He	-0.000301		70.000
Ni	60	1	He	-0.117104		186.000
Cu	63	1	He	0.022707	19.7	450.010
Zn	66	1	He	0.297519	10.4	757.353
As	75	1	He	0.003470	272.0	200.167
Se	78	2	H2	0.063863	6.1	66.333
Sr	88	1	He	10.831939	3.6	159852.497
Mo	95	1	He	0.006422	92.1	56.667
Pd	105	1	He	0.001659	190.0	43.333
Ag	107	1	He	2.015452	85.9	37294.787
Cd	111	1	He	0.002012	132.2	9.983
Sn	118	1	He	0.121659	16.5	1266.723
Sb	121	1	He	0.000842	277.2	83.333
Ba	138	1	He	1.987904	3.4	61238.973
Pt	195	1	He	0.001986	140.6	93.333
Hg	202	1	He	0.011528	53.6	126.667
Tl	205	1	He	-0.009714		191.667
Pb	206	1	He	0.005809	45.1	156.667
Pb	207	1	He	-0.000989		751.693
Pb	208	1	He	0.003756	32.0	1211.700
Bi	209	1	He	-0.003576		1096.727
Th	232	1	He	0.001929	35.9	165.000
U	238	1	He	0.040056	5.2	2663.593

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.05849739	755242.373
Sc	45	2	H2	71.22973822	4773939.333
Ge	72	1	He	68.63841551	464779.167
Ge	72	2	H2	71.33410296	1293896.123
In	115	1	He	73.25336365	5339725.907
Tb	159	1	He	76.21122922	12340289.400
Ir	193	1	He	75.95064805	5937230.743

Sample Name	10607799007_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	281SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:59:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	8.387431	3.5	4747.267
Be	9	2	H2	0.218489	1.8	108.833
B	11	2	H2	13.019208	8.5	8695.550
Na	23	1	He	5949.943006	0.6	8206884.043
Mg	24	1	He	13229.10157	0.6	10122916.307
Al	27	1	He	3116.386387	0.9	1291367.580
Si	28	2	H2	12108.94889	6.3	39342314.667
K	39	1	He	1562.113910	4.3	1873027.473
Ca	43	1	He	62743.84546	0.4	219530.107
Ca	44	1	He	64207.57436	0.6	3762010.770
Ti	47	1	He	42.207311	8.8	15861.603
V	51	1	He	3.975448	8.1	34073.393
Cr	52	1	He	10.449298	0.6	111400.950
Mn	55	1	He	612.140990	0.5	4913062.000
Fe	56	1	He	3490.982257	1.6	33912582.667
Co	59	1	He	1.946829	1.5	29801.207
Ni	60	1	He	5.984954	1.5	22990.640
Cu	63	1	He	3.832500	1.0	37141.520
Zn	66	1	He	14.325582	0.2	28600.740
As	75	1	He	0.785119	3.0	1469.563
Se	78	2	H2	0.272751	6.5	236.667
Sr	88	1	He	141.236497	1.2	2039453.667
Mo	95	1	He	1.042505	2.0	6291.193
Pd	105	1	He	0.035868	12.3	356.677
Ag	107	1	He	2.572757	42.9	48000.400
Cd	111	1	He	0.049363	28.4	174.780
Sn	118	1	He	0.271286	6.9	2620.223
Sb	121	1	He	0.072898	5.0	943.370
Ba	138	1	He	34.466994	0.5	1066894.437
Pt	195	1	He	0.010576	25.5	193.340
Hg	202	1	He	0.014701	41.3	146.670
Tl	205	1	He	0.022464	13.9	1548.427
Pb	206	1	He	3.299912	1.4	47239.563
Pb	207	1	He	3.210695	1.6	39082.807
Pb	208	1	He	3.243145	0.1	183813.967
Bi	209	1	He	0.035343	19.3	2826.963
Th	232	1	He	1.071123	1.6	66885.520
U	238	1	He	0.943182	1.0	60273.990

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.52308328	760323.210
Sc	45	2	H2	70.17261071	4703088.833
Ge	72	1	He	67.91920341	459909.083
Ge	72	2	H2	69.95429197	1268868.373
In	115	1	He	71.65597583	5223286.023
Tb	159	1	He	76.62924634	12407975.650
Ir	193	1	He	74.88249365	5853730.743

Sample Name	10607799007_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	282SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:03:07
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.448468	11.9	303.333
Be	9	2	H2	0.009140	42.1	9.000
B	11	2	H2	-0.138049		2113.580
Na	23	1	He	302.520646	0.5	437288.730
Mg	24	1	He	666.736316	1.4	522249.277
Al	27	1	He	157.143801	1.3	66521.100
Si	28	2	H2	630.872948	6.9	2082339.207
K	39	1	He	97.021873	3.4	207384.857
Ca	43	1	He	3156.346388	1.8	11259.323
Ca	44	1	He	3251.207272	1.5	194218.950
Ti	47	1	He	1.861262	5.3	714.690
V	51	1	He	0.176053	55.5	303.530
Cr	52	1	He	0.543188	1.7	6290.443
Mn	55	1	He	30.600024	1.0	250889.977
Fe	56	1	He	179.879089	1.6	1792464.123
Co	59	1	He	0.098182	7.4	1616.747
Ni	60	1	He	0.188206	2.7	1361.390
Cu	63	1	He	0.241772	3.8	2626.870
Zn	66	1	He	0.787330	7.6	1771.427
As	75	1	He	0.033741	7.0	254.500
Se	78	2	H2	0.013233	20.9	24.000
Sr	88	1	He	6.885062	0.8	104072.567
Mo	95	1	He	0.052957	22.6	345.010
Pd	105	1	He	0.002679	118.2	53.333
Ag	107	1	He	1.268107	81.0	24998.053
Cd	111	1	He	0.003855	41.2	16.563
Sn	118	1	He	0.111520	19.1	1205.057
Sb	121	1	He	0.003175	44.6	113.333
Ba	138	1	He	1.738131	1.3	55093.377
Pt	195	1	He	0.002275	127.8	100.000
Hg	202	1	He	0.011347	111.6	130.003
Tl	205	1	He	-0.009681		200.000
Pb	206	1	He	0.160525	10.8	2421.880
Pb	207	1	He	0.145310	2.9	2555.230
Pb	208	1	He	0.158745	4.0	10173.020
Bi	209	1	He	-0.003305		1136.730
Th	232	1	He	0.050118	4.4	3298.717
U	238	1	He	0.044988	8.6	3055.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.83378123	774657.357
Sc	45	2	H2	71.02846515	4760449.667
Ge	72	1	He	69.79844393	472634.200
Ge	72	2	H2	71.39396869	1294982.000
In	115	1	He	74.88290229	5458509.390
Tb	159	1	He	78.30194268	12678822.310
Ir	193	1	He	77.86260710	6086692.827

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	283_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:06:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	74.709629	6.6	41625.503
Be	9	2	H2	74.140509	6.3	35193.807
B	11	2	H2	72.863000	9.8	38507.147
Na	23	1	He	1979.880212	1.4	2760860.583
Mg	24	1	He	1966.271953	1.3	1518612.583
Al	27	1	He	1913.994845	0.8	799465.770
Si	28	2	H2	933.814945	7.1	3020364.583
K	39	1	He	2029.795787	1.1	2424552.670
Ca	43	1	He	1928.013824	0.1	6806.400
Ca	44	1	He	1936.975921	1.2	114515.503
Ti	47	1	He	75.623998	2.7	28631.120
V	51	1	He	80.197847	0.5	717012.623
Cr	52	1	He	79.977410	1.4	856624.523
Mn	55	1	He	81.141587	0.7	656978.270
Fe	56	1	He	1009.797667	1.4	9896216.667
Co	59	1	He	80.143507	1.4	1266688.207
Ni	60	1	He	80.797346	1.8	313180.583
Cu	63	1	He	82.360803	1.8	821260.397
Zn	66	1	He	79.151455	1.6	162802.497
As	75	1	He	77.223642	1.2	130176.573
Se	78	2	H2	75.608116	1.3	63160.073
Sr	88	1	He	72.919061	1.1	1079570.817
Mo	95	1	He	79.975930	1.0	498219.967
Pd	105	1	He	75.077382	0.6	709388.400
Ag	107	1	He	40.168615	6.3	757127.697
Cd	111	1	He	74.739159	1.2	267891.983
Sn	118	1	He	74.931103	1.2	705289.807
Sb	121	1	He	72.489630	0.2	890160.273
Ba	138	1	He	77.676125	1.9	2420506.580
Pt	195	1	He	75.521284	0.5	875790.743
Hg	202	1	He	3.568689	2.7	20930.593
Tl	205	1	He	39.446382	1.0	1671796.693
Pb	206	1	He	78.317367	0.9	1127004.487
Pb	207	1	He	81.703967	0.7	982413.190
Pb	208	1	He	80.017002	1.2	4541921.757
Bi	209	1	He	82.830725	1.8	3699864.110
Th	232	1	He	77.126806	2.2	4945745.553
U	238	1	He	74.595175	2.0	4892824.410

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.07092729	766314.580
Sc	45	2	H2	69.69679976	4671199.167
Ge	72	1	He	70.30330988	476052.857
Ge	72	2	H2	71.15024963	1290561.293
In	115	1	He	73.45910212	5354722.993
Tb	159	1	He	77.15026557	12492340.227
Ir	193	1	He	76.95194949	6015504.700

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	284_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:10:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.021302	7.7	59.000
Be	9	2	H2	0.022228	7.4	14.833
B	11	2	H2	-0.863626		1696.773
Na	23	1	He	3.484857	4.7	16972.867
Mg	24	1	He	-2.327206		710.020
Al	27	1	He	1.029997	3.3	592.010
Si	28	2	H2	0.408331	73.5	10068.340
K	39	1	He	25.358371	1.5	119241.957
Ca	43	1	He	1.624125	5.6	12.917
Ca	44	1	He	-0.171528		119.147
Ti	47	1	He	0.022887	27.9	10.667
V	51	1	He	0.027561	198.4	-1001.820
Cr	52	1	He	0.004500	42.5	442.010
Mn	55	1	He	-0.049582		272.667
Fe	56	1	He	0.177696	19.8	13794.617
Co	59	1	He	0.003835	49.3	132.000
Ni	60	1	He	-0.138880		102.000
Cu	63	1	He	0.003349	72.0	258.667
Zn	66	1	He	0.032983	11.2	225.333
As	75	1	He	0.002105	405.9	195.500
Se	78	2	H2	0.017771	29.3	27.000
Sr	88	1	He	0.006350	55.0	261.673
Mo	95	1	He	0.032735	13.2	213.333
Pd	105	1	He	0.002535	41.5	50.000
Ag	107	1	He	2.145970	69.2	40484.373
Cd	111	1	He	0.008287	34.8	31.603
Sn	118	1	He	0.025290	5.5	363.343
Sb	121	1	He	0.013471	19.3	233.333
Ba	138	1	He	0.008689	14.4	381.677
Pt	195	1	He	0.009521	23.7	176.673
Hg	202	1	He	0.024199	64.0	196.673
Tl	205	1	He	0.042087	25.3	2313.527
Pb	206	1	He	0.009315	47.5	203.337
Pb	207	1	He	0.001264	418.9	761.693
Pb	208	1	He	0.006258	3.7	1325.040
Bi	209	1	He	0.005848	59.7	1480.103
Th	232	1	He	0.012897	18.2	846.703
U	238	1	He	0.006803	28.8	501.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.00974707	743772.957
Sc	45	2	H2	68.74335258	4607297.500
Ge	72	1	He	67.66436399	458183.460
Ge	72	2	H2	69.34053880	1257735.790
In	115	1	He	72.07786109	5254038.900
Tb	159	1	He	74.70332394	12096126.070
Ir	193	1	He	74.70721028	5840028.453

Sample Name	10607799008_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	285SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:13:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.438955	5.3	841.853
Be	9	2	H2	0.193275	7.5	95.500
B	11	2	H2	7.963795	8.4	6054.433
Na	23	1	He	4578.420282	1.0	6284609.283
Mg	24	1	He	13619.20041	1.2	10366146.513
Al	27	1	He	1258.769740	0.8	518971.717
Si	28	2	H2	6684.693050	5.3	21395530.667
K	39	1	He	854.564043	0.9	1060989.023
Ca	43	1	He	48486.48295	1.4	168746.673
Ca	44	1	He	49246.65993	2.2	2870072.717
Ti	47	1	He	10.187572	2.5	3808.407
V	51	1	He	1.845193	4.9	15046.923
Cr	52	1	He	1.399192	2.5	15185.707
Mn	55	1	He	23.699403	1.1	189852.490
Fe	56	1	He	703.458765	1.3	6807582.000
Co	59	1	He	0.275336	1.7	4331.200
Ni	60	1	He	0.560938	1.5	2751.557
Cu	63	1	He	1.326690	0.9	13167.507
Zn	66	1	He	5.831444	0.6	11884.633
As	75	1	He	0.792275	1.5	1499.730
Se	78	2	H2	10.111282	0.2	8276.937
Sr	88	1	He	76.293930	0.3	1121136.103
Mo	95	1	He	0.184725	8.4	1143.380
Pd	105	1	He	0.015964	32.4	176.670
Ag	107	1	He	1.345099	81.0	25865.533
Cd	111	1	He	0.046573	33.9	167.990
Sn	118	1	He	0.321440	1.7	3133.650
Sb	121	1	He	0.057734	9.6	775.023
Ba	138	1	He	27.983094	1.5	880843.710
Pt	195	1	He	0.008302	35.9	170.003
Hg	202	1	He	0.005887	170.3	96.667
Tl	205	1	He	0.030035	5.6	1898.467
Pb	206	1	He	1.715766	2.1	25012.953
Pb	207	1	He	1.610229	1.7	20321.377
Pb	208	1	He	1.659886	1.4	96173.160
Bi	209	1	He	0.035687	1.8	2890.330
Th	232	1	He	1.739785	1.3	110839.233
U	238	1	He	0.717718	1.8	46826.707

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.15735621	756323.520
Sc	45	2	H2	69.10663782	4631645.500
Ge	72	1	He	68.76882303	465662.210
Ge	72	2	H2	69.62358720	1262869.873
In	115	1	He	72.91227331	5314862.490
Tb	159	1	He	77.93482706	12619378.143
Ir	193	1	He	76.42037749	5973950.537

Sample Name	10607799008_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	286SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:17:27
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.064870	23.8	84.667
Be	9	2	H2	0.018783	56.7	13.667
B	11	2	H2	-1.269020		1533.430
Na	23	1	He	226.371719	2.5	328818.727
Mg	24	1	He	668.522602	1.9	521084.067
Al	27	1	He	63.227856	1.9	26742.587
Si	28	2	H2	329.285549	5.7	1080785.127
K	39	1	He	63.286007	2.5	167404.637
Ca	43	1	He	2351.781409	1.7	8350.310
Ca	44	1	He	2458.246220	2.3	146163.670
Ti	47	1	He	0.568065	13.6	218.667
V	51	1	He	0.055037	98.8	-789.160
Cr	52	1	He	0.119134	4.9	1692.753
Mn	55	1	He	1.131164	2.0	9890.050
Fe	56	1	He	35.307847	2.5	360197.093
Co	59	1	He	0.013363	10.6	288.000
Ni	60	1	He	-0.107377		228.000
Cu	63	1	He	0.930230	1.8	9521.873
Zn	66	1	He	0.769861	1.6	1750.760
As	75	1	He	0.026422	21.3	244.333
Se	78	2	H2	0.475720	9.9	412.007
Sr	88	1	He	3.615339	2.3	54796.957
Mo	95	1	He	0.013743	7.1	103.333
Pd	105	1	He	0.007167	60.1	96.667
Ag	107	1	He	2.541933	79.0	49590.457
Cd	111	1	He	0.007059	29.7	28.303
Sn	118	1	He	0.107777	9.0	1170.053
Sb	121	1	He	0.007816	27.9	171.667
Ba	138	1	He	1.382040	1.4	43688.070
Pt	195	1	He	0.004013	118.2	120.000
Hg	202	1	He	0.015373	31.9	153.340
Tl	205	1	He	-0.003284		473.347
Pb	206	1	He	0.106839	7.3	1631.763
Pb	207	1	He	0.094037	7.5	1923.470
Pb	208	1	He	0.101332	0.9	6842.280
Bi	209	1	He	0.000545	86.1	1306.747
Th	232	1	He	0.085658	2.1	5542.697
U	238	1	He	0.033936	2.1	2298.527

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.49261890	770926.313
Sc	45	2	H2	70.33437918	4713930.833
Ge	72	1	He	70.39714749	476688.270
Ge	72	2	H2	71.47704449	1296488.873
In	115	1	He	74.97248642	5465039.530
Tb	159	1	He	78.04267721	12636841.477
Ir	193	1	He	77.00789703	6019878.243

Sample Name	10607799009_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	287SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:21:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.959467	5.7	3372.303
Be	9	2	H2	0.008118	49.1	8.333
B	11	2	H2	11.489170	14.1	7908.523
Na	23	1	He	5536.709866	2.0	7587633.220
Mg	24	1	He	17789.72756	1.9	13522668.133
Al	27	1	He	9.378480	1.9	4037.777
Si	28	2	H2	5632.960394	5.6	18216816.667
K	39	1	He	664.432500	1.4	844465.430
Ca	43	1	He	59327.89321	1.5	206222.920
Ca	44	1	He	60612.54627	1.8	3528185.757
Ti	47	1	He	0.134932	13.6	52.667
V	51	1	He	0.178869	144.8	307.703
Cr	52	1	He	4.017079	1.6	42793.560
Mn	55	1	He	7.903477	0.9	63687.263
Fe	56	1	He	14.625265	1.4	153405.900
Co	59	1	He	0.046116	1.7	779.353
Ni	60	1	He	0.947695	2.5	4171.170
Cu	63	1	He	0.639921	2.4	6402.490
Zn	66	1	He	2.153394	0.7	4443.897
As	75	1	He	0.329137	0.8	729.353
Se	78	2	H2	2.851602	1.6	2365.160
Sr	88	1	He	124.772760	1.0	1826446.743
Mo	95	1	He	0.236625	8.5	1443.403
Pd	105	1	He	0.019302	59.9	206.673
Ag	107	1	He	1.446292	76.4	27511.230
Cd	111	1	He	0.003903	21.9	16.230
Sn	118	1	He	0.060651	4.7	695.020
Sb	121	1	He	0.026266	17.3	390.010
Ba	138	1	He	4.912377	0.7	154240.337
Pt	195	1	He	0.010066	66.8	190.003
Hg	202	1	He	0.006963	75.6	103.333
Tl	205	1	He	-0.004405		423.343
Pb	206	1	He	0.037876	6.8	625.020
Pb	207	1	He	0.027984	20.5	1115.057
Pb	208	1	He	0.032799	7.7	2893.467
Bi	209	1	He	-0.006356		990.053
Th	232	1	He	0.004050	15.4	301.677
U	238	1	He	0.372058	1.1	24238.867

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.07544833	755427.753
Sc	45	2	H2	69.83931576	4680750.833
Ge	72	1	He	68.04181836	460739.360
Ge	72	2	H2	70.28114894	1274797.080
In	115	1	He	72.63555363	5294691.303
Tb	159	1	He	77.67932369	12578006.477
Ir	193	1	He	76.20939836	5957457.830

Sample Name	10607799009_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	288SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:24:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.313654	7.3	226.500
Be	9	2	H2	0.003602	42.8	6.333
B	11	2	H2	-0.760731		1803.460
Na	23	1	He	273.931254	1.4	396916.217
Mg	24	1	He	884.778178	1.3	691752.803
Al	27	1	He	1.472061	7.8	802.687
Si	28	2	H2	285.599829	5.4	946184.980
K	39	1	He	53.514338	4.4	156777.410
Ca	43	1	He	2928.523899	1.2	10440.480
Ca	44	1	He	3011.160728	0.6	179772.733
Ti	47	1	He	0.039180	63.2	17.333
V	51	1	He	0.089019	95.9	-484.807
Cr	52	1	He	0.213453	6.3	2720.213
Mn	55	1	He	0.326025	2.5	3352.990
Fe	56	1	He	0.970397	1.7	22196.937
Co	59	1	He	-0.000215		72.667
Ni	60	1	He	-0.085907		309.333
Cu	63	1	He	0.024248	9.4	474.677
Zn	66	1	He	0.105508	6.3	381.343
As	75	1	He	0.008418	122.2	212.667
Se	78	2	H2	0.154745	14.7	143.000
Sr	88	1	He	5.995766	1.4	90457.917
Mo	95	1	He	0.010883	6.9	85.000
Pd	105	1	He	-0.000438		23.333
Ag	107	1	He	1.126293	83.8	22302.033
Cd	111	1	He	0.000683	199.8	4.973
Sn	118	1	He	0.097608	11.3	1068.377
Sb	121	1	He	0.000528	160.5	80.000
Ba	138	1	He	0.236536	3.4	7530.087
Pt	195	1	He	0.004372	49.6	123.337
Hg	202	1	He	0.005914	120.5	96.667
Tl	205	1	He	-0.009353		211.667
Pb	206	1	He	-0.000314		71.667
Pb	207	1	He	-0.010517		648.353
Pb	208	1	He	-0.001925		908.353
Bi	209	1	He	-0.003271		1126.733
Th	232	1	He	0.001287	37.7	128.333
U	238	1	He	0.017652	6.9	1235.067

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.78897040	774167.293
Sc	45	2	H2	70.91545949	4752875.833
Ge	72	1	He	69.96912171	473789.930
Ge	72	2	H2	71.67362652	1300054.583
In	115	1	He	74.72803828	5447220.743
Tb	159	1	He	77.51551044	12551481.477
Ir	193	1	He	77.39958558	6050497.407

Sample Name	10607799010_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	289SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:28:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.962764	1.4	2838.050
Be	9	2	H2	0.032346	37.3	20.167
B	11	2	H2	12.632105	6.4	8535.443
Na	23	1	He	13741.46251	1.5	19017552.217
Mg	24	1	He	24200.11189	1.9	18593989.723
Al	27	1	He	358.018337	1.4	149145.370
Si	28	2	H2	6085.653829	5.3	19850989.333
K	39	1	He	1313.634558	1.2	1596384.507
Ca	43	1	He	48833.25190	1.3	171583.467
Ca	44	1	He	49896.58217	1.7	2935904.107
Ti	47	1	He	8.700975	2.4	3284.317
V	51	1	He	1.560295	1.8	12651.240
Cr	52	1	He	1.571910	1.2	17173.470
Mn	55	1	He	40.364337	1.6	325972.523
Fe	56	1	He	258.736173	1.6	2535710.583
Co	59	1	He	0.172559	2.3	2736.217
Ni	60	1	He	0.959644	3.4	4250.517
Cu	63	1	He	0.508659	1.5	5178.760
Zn	66	1	He	3.661904	0.9	7506.260
As	75	1	He	0.641962	0.8	1249.377
Se	78	2	H2	6.894105	1.9	5747.933
Sr	88	1	He	259.055546	1.3	3796355.047
Mo	95	1	He	0.608891	3.7	3718.767
Pd	105	1	He	0.043823	12.0	436.683
Ag	107	1	He	2.466386	79.8	46629.690
Cd	111	1	He	0.013093	21.4	48.883
Sn	118	1	He	0.073609	19.1	816.697
Sb	121	1	He	0.054717	9.9	736.690
Ba	138	1	He	43.016515	1.1	1353868.883
Pt	195	1	He	0.010294	20.8	193.343
Hg	202	1	He	0.008081	37.4	110.000
Tl	205	1	He	0.029112	8.0	1858.463
Pb	206	1	He	0.601261	2.3	8814.167
Pb	207	1	He	0.552009	4.1	7476.827
Pb	208	1	He	0.576915	2.3	34087.683
Bi	209	1	He	0.005630	76.9	1533.443
Th	232	1	He	0.092614	5.3	5926.487
U	238	1	He	0.809517	0.7	52663.483

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.81875813	763556.790
Sc	45	2	H2	70.43619443	4720754.667
Ge	72	1	He	68.61267151	464604.843
Ge	72	2	H2	70.86564359	1285398.957
In	115	1	He	72.71912158	5300782.900
Tb	159	1	He	77.91864902	12616758.560
Ir	193	1	He	76.21858748	5958176.163

Sample Name	10607799010_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	290SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:31:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.219826	21.4	172.833
Be	9	2	H2	0.001645	327.6	5.333
B	11	2	H2	-0.861947		1736.783
Na	23	1	He	698.730106	4.9	966275.143
Mg	24	1	He	1240.045915	5.5	942642.043
Al	27	1	He	19.879605	10.5	8329.247
Si	28	2	H2	312.207137	5.8	1027785.730
K	39	1	He	92.275312	6.5	196458.293
Ca	43	1	He	2480.995174	5.6	8609.527
Ca	44	1	He	2537.487376	4.5	147510.267
Ti	47	1	He	0.416503	6.7	157.333
V	51	1	He	0.077092	42.7	-583.037
Cr	52	1	He	0.129924	9.2	1767.427
Mn	55	1	He	2.022208	6.5	16749.777
Fe	56	1	He	13.805613	6.2	145126.013
Co	59	1	He	0.006103	16.4	166.667
Ni	60	1	He	-0.086665		298.000
Cu	63	1	He	0.046161	15.8	670.013
Zn	66	1	He	0.311397	2.8	779.353
As	75	1	He	0.033492	45.4	246.667
Se	78	2	H2	0.305848	3.9	269.000
Sr	88	1	He	12.705058	5.3	185708.337
Mo	95	1	He	0.039693	15.4	256.670
Pd	105	1	He	0.002792	147.8	53.333
Ag	107	1	He	1.755911	79.5	33726.877
Cd	111	1	He	0.000683	203.5	4.923
Sn	118	1	He	0.225009	3.3	2223.500
Sb	121	1	He	0.003330	8.3	111.667
Ba	138	1	He	2.212669	4.3	67646.513
Pt	195	1	He	0.003680	82.3	113.333
Hg	202	1	He	0.002238	38.2	73.333
Tl	205	1	He	-0.006738		315.010
Pb	206	1	He	0.040315	16.8	641.687
Pb	207	1	He	0.018717	27.3	978.370
Pb	208	1	He	0.032935	2.4	2825.113
Bi	209	1	He	-0.003391		1096.737
Th	232	1	He	0.005331	10.2	376.677
U	238	1	He	0.039760	5.7	2603.580

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.99760491	754576.437
Sc	45	2	H2	70.50706947	4725504.833
Ge	72	1	He	67.91565565	459885.060
Ge	72	2	H2	71.31757994	1293596.420
In	115	1	He	72.56838155	5289794.867
Tb	159	1	He	75.63751488	12247392.317
Ir	193	1	He	74.83872550	5850309.290

Sample Name	10607799011_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	291SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:35:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.602739	1.6	2637.853
Be	9	2	H2	0.007807	23.6	8.333
B	11	2	H2	10.330673	6.8	7368.257
Na	23	1	He	6501.312004	0.7	9012441.117
Mg	24	1	He	29699.83084	0.8	22840042.993
Al	27	1	He	20.292505	3.5	8630.353
Si	28	2	H2	5790.827859	5.5	18902366.667
K	39	1	He	1109.822363	0.8	1364444.403
Ca	43	1	He	44772.65562	0.4	157460.800
Ca	44	1	He	45954.43125	1.0	2706402.507
Ti	47	1	He	0.341416	18.5	131.333
V	51	1	He	1.256136	14.9	9938.773
Cr	52	1	He	2.141514	1.1	23270.230
Mn	55	1	He	0.925371	2.6	8143.850
Fe	56	1	He	20.640067	1.0	213907.453
Co	59	1	He	0.027678	9.8	500.677
Ni	60	1	He	0.306861	10.0	1782.763
Cu	63	1	He	0.278286	3.9	2932.253
Zn	66	1	He	11.817788	2.8	23822.473
As	75	1	He	0.233827	2.5	578.010
Se	78	2	H2	0.167623	12.0	151.000
Sr	88	1	He	110.840279	1.0	1611188.620
Mo	95	1	He	0.682397	3.1	4158.870
Pd	105	1	He	0.018356	41.6	196.673
Ag	107	1	He	1.429979	78.1	27099.047
Cd	111	1	He	0.025947	23.6	93.750
Sn	118	1	He	0.202270	10.0	1998.470
Sb	121	1	He	5.875629	0.6	70909.397
Ba	138	1	He	43.692511	1.0	1359298.313
Pt	195	1	He	0.014229	54.4	236.673
Hg	202	1	He	0.006527	133.5	100.000
Tl	205	1	He	0.019529	15.2	1431.750
Pb	206	1	He	0.079064	2.7	1211.723
Pb	207	1	He	0.064680	16.1	1546.757
Pb	208	1	He	0.076287	2.3	5333.717
Bi	209	1	He	0.000984	330.3	1310.080
Th	232	1	He	0.011332	13.5	755.027
U	238	1	He	1.241322	0.9	79726.967

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.88091948	764236.603
Sc	45	2	H2	70.49475008	4724679.167
Ge	72	1	He	68.50820687	463897.470
Ge	72	2	H2	70.29044333	1274965.667
In	115	1	He	72.12804798	5257697.220
Tb	159	1	He	77.02332963	12471786.480
Ir	193	1	He	75.28353130	5885080.747

Sample Name	10607799011_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	292SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:38:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.223332	8.4	181.167
Be	9	2	H2	0.001785	265.7	5.667
B	11	2	H2	-1.340754		1556.763
Na	23	1	He	323.235353	1.2	478715.473
Mg	24	1	He	1484.885241	1.8	1190716.887
Al	27	1	He	2.285687	7.4	1177.040
Si	28	2	H2	289.205102	6.6	990846.750
K	39	1	He	77.000685	1.2	189022.143
Ca	43	1	He	2216.241054	1.7	8117.477
Ca	44	1	He	2285.100320	0.7	140164.053
Ti	47	1	He	0.009103	96.4	6.000
V	51	1	He	-0.016827		-1481.323
Cr	52	1	He	0.113602	3.4	1684.753
Mn	55	1	He	-0.002585		686.017
Fe	56	1	He	1.793972	2.1	31164.100
Co	59	1	He	-0.000408		71.333
Ni	60	1	He	-0.122107		174.000
Cu	63	1	He	0.013286	16.5	375.343
Zn	66	1	He	0.531428	9.6	1283.383
As	75	1	He	0.016152	84.4	231.167
Se	78	2	H2	0.013210	38.2	24.667
Sr	88	1	He	5.223814	2.4	80684.197
Mo	95	1	He	0.035508	21.2	243.337
Pd	105	1	He	0.002896	106.0	56.667
Ag	107	1	He	1.299508	78.7	26247.783
Cd	111	1	He	0.003321	70.1	14.927
Sn	118	1	He	0.109267	12.0	1208.393
Sb	121	1	He	0.282542	0.9	3687.107
Ba	138	1	He	2.179181	0.2	70335.883
Pt	195	1	He	0.005193	61.7	136.667
Hg	202	1	He	0.003256	131.6	83.333
Tl	205	1	He	-0.010147		183.333
Pb	206	1	He	0.003463	24.7	130.000
Pb	207	1	He	-0.002894		761.690
Pb	208	1	He	0.002519	51.5	1195.030
Bi	209	1	He	-0.005784		1043.390
Th	232	1	He	0.001165	50.3	123.333
U	238	1	He	0.059819	4.3	4117.257

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.71130437	795190.457
Sc	45	2	H2	73.32772238	4914549.833
Ge	72	1	He	71.72937774	485709.353
Ge	72	2	H2	73.57127132	1334475.080
In	115	1	He	76.48183427	5575061.833
Tb	159	1	He	79.76831054	12916259.810
Ir	193	1	He	79.31488931	6200220.950

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	293_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:42:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.327694	4.7	42594.267
Be	9	2	H2	75.300561	4.0	35798.413
B	11	2	H2	73.057887	2.5	38630.500
Na	23	1	He	2013.033218	1.2	2781044.127
Mg	24	1	He	2000.195092	1.8	1530510.083
Al	27	1	He	1938.246033	1.0	802144.190
Si	28	2	H2	938.312603	5.1	3039823.083
K	39	1	He	2049.430829	1.0	2424593.350
Ca	43	1	He	1956.939355	0.9	6844.833
Ca	44	1	He	1958.642012	0.6	114731.163
Ti	47	1	He	75.647117	1.8	28376.033
V	51	1	He	80.243325	0.8	710829.287
Cr	52	1	He	80.311823	1.2	852306.543
Mn	55	1	He	82.077531	0.8	658435.310
Fe	56	1	He	1016.774686	1.5	9872714.667
Co	59	1	He	80.568760	1.1	1263002.207
Ni	60	1	He	81.245910	0.6	312358.657
Cu	63	1	He	83.121216	0.4	822116.480
Zn	66	1	He	79.641420	0.2	162477.640
As	75	1	He	77.617163	0.3	129772.847
Se	78	2	H2	75.185875	0.4	62759.393
Sr	88	1	He	73.242741	0.4	1073435.557
Mo	95	1	He	80.585861	1.0	497878.887
Pd	105	1	He	75.860086	1.9	709540.877
Ag	107	1	He	39.480707	5.9	736426.943
Cd	111	1	He	75.370882	0.6	267431.690
Sn	118	1	He	75.881321	1.7	707017.077
Sb	121	1	He	72.925973	2.0	886424.520
Ba	138	1	He	77.707825	1.3	2406195.743
Pt	195	1	He	76.563083	0.5	882271.520
Hg	202	1	He	3.542494	1.6	20646.837
Tl	205	1	He	39.854713	0.3	1678433.253
Pb	206	1	He	78.719429	1.5	1125640.453
Pb	207	1	He	81.718250	0.7	976389.570
Pb	208	1	He	80.440945	0.9	4537192.437
Bi	209	1	He	83.623742	0.3	3711768.590
Th	232	1	He	77.756965	1.1	4964524.510
U	238	1	He	75.236138	1.2	4913478.780

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.42798291	759283.167
Sc	45	2	H2	69.81794706	4679318.667
Ge	72	1	He	69.72470060	472134.853
Ge	72	2	H2	71.08881946	1289447.040
In	115	1	He	72.71879233	5300758.900
Tb	159	1	He	76.66219939	12413311.480
Ir	193	1	He	76.61749837	5989359.913

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	294_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:46:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.014514	193.7	55.167
Be	9	2	H2	0.021494	28.0	14.500
B	11	2	H2	-1.369698		1443.420
Na	23	1	He	2.501525	8.9	15650.050
Mg	24	1	He	-2.055985		913.367
Al	27	1	He	1.099812	5.4	620.343
Si	28	2	H2	-0.065922		8516.013
K	39	1	He	25.557065	2.2	119471.350
Ca	43	1	He	1.875299	63.5	13.780
Ca	44	1	He	0.875622	24.8	179.173
Ti	47	1	He	0.026486	54.2	12.000
V	51	1	He	-0.068018		-1830.920
Cr	52	1	He	-0.002121		373.340
Mn	55	1	He	-0.056295		220.000
Fe	56	1	He	0.114735	15.3	13197.507
Co	59	1	He	0.002852	52.5	116.667
Ni	60	1	He	-0.141837		90.667
Cu	63	1	He	-0.002861		198.667
Zn	66	1	He	0.017349	100.0	194.000
As	75	1	He	-0.003511		186.000
Se	78	2	H2	0.011058	68.5	21.333
Sr	88	1	He	0.006272	28.6	260.007
Mo	95	1	He	0.035623	13.3	230.000
Pd	105	1	He	0.005433	23.2	76.667
Ag	107	1	He	0.426531	4.1	8535.500
Cd	111	1	He	0.001674	177.6	8.263
Sn	118	1	He	0.018856	22.8	303.343
Sb	121	1	He	0.012552	29.8	221.670
Ba	138	1	He	0.006660	20.6	320.010
Pt	195	1	He	0.007489	32.1	153.340
Hg	202	1	He	0.032556	22.9	243.343
Tl	205	1	He	0.044811	29.5	2416.887
Pb	206	1	He	0.008889	24.1	196.667
Pb	207	1	He	0.003469	256.2	785.027
Pb	208	1	He	0.007333	39.0	1380.037
Bi	209	1	He	0.001914	150.9	1306.750
Th	232	1	He	0.011433	11.9	756.693
U	238	1	He	0.005069	9.1	391.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.01468660	743826.977
Sc	45	2	H2	68.48983774	4590306.500
Ge	72	1	He	67.52553283	457243.377
Ge	72	2	H2	68.84191804	1248691.540
In	115	1	He	71.93605432	5243702.047
Tb	159	1	He	74.54204278	12070011.070
Ir	193	1	He	74.79618848	5846984.077

Sample Name	4322453_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	295SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:49:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.458713	4.4	60107.250
Be	9	2	H2	103.399947	4.0	49750.987
B	11	2	H2	110.358433	5.2	57977.210
Na	23	1	He	8855.198497	1.1	12258088.153
Mg	24	1	He	32791.24998	1.3	25190811.290
Al	27	1	He	2138.626267	0.7	889928.627
Si	28	2	H2	6492.142410	5.9	21237848.667
K	39	1	He	3364.814525	0.7	3942751.610
Ca	43	1	He	49260.80388	0.8	173064.493
Ca	44	1	He	49870.21469	2.1	2933815.373
Ti	47	1	He	102.966527	1.1	38837.200
V	51	1	He	112.831440	1.1	1005497.007
Cr	52	1	He	112.030305	1.0	1195266.960
Mn	55	1	He	109.611157	1.1	883903.417
Fe	56	1	He	2218.364133	1.4	21643456.667
Co	59	1	He	111.072871	0.9	1721277.377
Ni	60	1	He	108.807097	0.9	413332.780
Cu	63	1	He	110.140803	0.5	1076839.373
Zn	66	1	He	119.813611	0.1	241559.680
As	75	1	He	107.207950	0.4	177126.117
Se	78	2	H2	101.989409	0.7	86031.267
Sr	88	1	He	222.334466	1.4	3158704.537
Mo	95	1	He	112.718725	0.7	688480.277
Pd	105	1	He	20.011857	1.3	181497.420
Ag	107	1	He	49.110184	4.7	888268.347
Cd	111	1	He	103.691869	0.5	356709.740
Sn	118	1	He	103.774172	0.9	937397.460
Sb	121	1	He	108.973968	0.2	1284240.320
Ba	138	1	He	153.980573	1.2	4750432.323
Pt	195	1	He	20.466523	1.3	235026.903
Hg	202	1	He	0.029174	17.6	230.010
Tl	205	1	He	109.515055	2.0	4593875.350
Pb	206	1	He	109.613138	1.5	1561572.113
Pb	207	1	He	107.693276	0.6	1281849.250
Pb	208	1	He	108.562535	0.6	6100561.943
Bi	209	1	He	109.582769	1.2	4845628.470
Th	232	1	He	112.184693	1.3	6973771.150
U	238	1	He	108.095785	1.1	6873295.313

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.81062586	763467.853
Sc	45	2	H2	70.64531322	4734770.167
Ge	72	1	He	68.92875662	466745.187
Ge	72	2	H2	71.84712657	1303201.620
In	115	1	He	70.50051591	5139060.003
Tb	159	1	He	76.38353160	12368188.980
Ir	193	1	He	74.59616273	5831347.620

Sample Name	10607799012_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	296SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:53:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	8.849162	2.7	4867.800
Be	9	2	H2	0.068259	7.1	36.167
B	11	2	H2	15.827409	13.6	9852.887
Na	23	1	He	5683.465415	0.8	7923888.633
Mg	24	1	He	56654.65032	1.1	43808906.017
Al	27	1	He	607.019617	1.6	254388.363
Si	28	2	H2	7789.976432	6.4	24628419.333
K	39	1	He	1913.050948	1.3	2296935.800
Ca	43	1	He	133986.3080	1.1	473812.370
Ca	44	1	He	136656.9793	1.7	8092845.647
Ti	47	1	He	5.665691	20.6	2152.347
V	51	1	He	1.152674	3.6	9072.900
Cr	52	1	He	1.220460	2.4	13511.727
Mn	55	1	He	591.829171	1.5	4801078.500
Fe	56	1	He	1045.494405	1.1	10274500.333
Co	59	1	He	0.688393	1.6	10677.190
Ni	60	1	He	9.390459	1.9	36027.860
Cu	63	1	He	0.848605	0.9	8473.353
Zn	66	1	He	8.899981	1.4	17983.697
As	75	1	He	3.052577	1.1	5201.427
Se	78	2	H2	3.881724	2.9	3143.950
Sr	88	1	He	167.372612	2.3	2416306.057
Mo	95	1	He	5.453155	1.3	33119.783
Pd	105	1	He	0.035118	18.8	350.013
Ag	107	1	He	1.246569	67.7	23531.173
Cd	111	1	He	0.021286	27.7	76.730
Sn	118	1	He	0.289605	4.6	2786.920
Sb	121	1	He	0.636981	5.1	7698.463
Ba	138	1	He	17.940782	0.7	565125.527
Pt	195	1	He	0.009143	58.3	180.003
Hg	202	1	He	0.010313	8.3	123.333
Tl	205	1	He	0.057968	2.0	3095.327
Pb	206	1	He	0.814472	3.2	11919.530
Pb	207	1	He	0.777333	5.3	10216.690
Pb	208	1	He	0.787960	1.8	46212.853
Bi	209	1	He	0.017621	31.0	2076.847
Th	232	1	He	0.269744	2.3	16932.603
U	238	1	He	0.341410	0.7	21933.837

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.26482368	768435.083
Sc	45	2	H2	68.24521305	4573911.333
Ge	72	1	He	68.50318823	463863.487
Ge	72	2	H2	68.72931487	1246649.083
In	115	1	He	71.63293354	5221606.380
Tb	159	1	He	77.96955825	12625001.893
Ir	193	1	He	75.12981885	5873064.703

Sample Name	10607799012_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	297SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:56:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.437002	11.0	302.500
Be	9	2	H2	0.012306	55.5	10.667
B	11	2	H2	-0.792694		1823.467
Na	23	1	He	287.031330	0.9	418432.440
Mg	24	1	He	2909.529040	1.6	2286114.497
Al	27	1	He	31.698688	1.2	13657.760
Si	28	2	H2	408.012714	5.3	1374816.833
K	39	1	He	115.213393	2.6	230080.557
Ca	43	1	He	6686.082372	1.5	24006.697
Ca	44	1	He	6917.149395	1.0	415933.140
Ti	47	1	He	0.179080	24.1	71.333
V	51	1	He	-0.026923		-1544.937
Cr	52	1	He	0.073225	4.6	1212.713
Mn	55	1	He	29.562048	1.1	244080.523
Fe	56	1	He	53.428575	1.5	545005.063
Co	59	1	He	0.034078	5.4	618.013
Ni	60	1	He	0.343861	10.8	1982.780
Cu	63	1	He	0.048336	8.3	720.687
Zn	66	1	He	0.517655	7.2	1236.047
As	75	1	He	0.160232	1.6	471.510
Se	78	2	H2	0.177505	4.3	164.000
Sr	88	1	He	7.885250	0.4	120051.373
Mo	95	1	He	0.262390	4.4	1660.100
Pd	105	1	He	0.007819	81.5	103.337
Ag	107	1	He	1.025166	85.3	20472.023
Cd	111	1	He	0.002358	67.1	11.170
Sn	118	1	He	0.127030	4.1	1363.400
Sb	121	1	He	0.033353	17.4	495.010
Ba	138	1	He	0.932122	8.1	29871.437
Pt	195	1	He	0.005568	79.7	140.000
Hg	202	1	He	0.003323	223.5	83.333
Tl	205	1	He	0.000450	361.9	641.687
Pb	206	1	He	0.040633	11.1	676.687
Pb	207	1	He	0.042095	6.3	1308.400
Pb	208	1	He	0.043013	2.2	3538.510
Bi	209	1	He	0.001502	197.0	1366.753
Th	232	1	He	0.016798	10.1	1141.720
U	238	1	He	0.016228	11.4	1155.060

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.32680581	780049.207
Sc	45	2	H2	72.33035660	4847704.667
Ge	72	1	He	70.63884243	478324.887
Ge	72	2	H2	72.41729426	1313543.627
In	115	1	He	75.43988974	5499110.397
Tb	159	1	He	79.03541482	12797587.727
Ir	193	1	He	78.30365517	6121170.533

Sample Name	10607799013_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	298SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:00:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	10.351842	6.9	5738.547
Be	9	2	H2	0.261255	14.3	127.167
B	11	2	H2	32.673867	8.7	18212.557
Na	23	1	He	13244.70325	0.7	17914740.567
Mg	24	1	He	47095.85877	1.1	35363636.973
Al	27	1	He	3798.368552	1.1	1544771.667
Si	28	2	H2	11836.27793	6.8	37715401.333
K	39	1	He	3598.828408	0.8	4115298.377
Ca	43	1	He	43687.86657	0.7	150020.367
Ca	44	1	He	44651.07233	0.8	2567632.467
Ti	47	1	He	19.039980	9.4	7021.467
V	51	1	He	6.076903	1.2	51757.107
Cr	52	1	He	5.948381	1.3	62406.607
Mn	55	1	He	1287.430961	0.8	10140386.667
Fe	56	1	He	16375.19866	1.5	156085861.333
Co	59	1	He	3.230314	1.4	48706.757
Ni	60	1	He	7.236846	1.5	27280.607
Cu	63	1	He	3.023194	0.9	28934.563
Zn	66	1	He	109.126025	1.0	213765.133
As	75	1	He	0.832523	1.9	1524.900
Se	78	2	H2	0.129374	13.3	117.333
Sr	88	1	He	83.085476	0.3	1174309.593
Mo	95	1	He	0.334293	6.1	2000.133
Pd	105	1	He	0.034084	15.9	333.343
Ag	107	1	He	1.873702	82.7	34354.117
Cd	111	1	He	0.109212	4.7	376.077
Sn	118	1	He	2.248189	1.4	20325.493
Sb	121	1	He	0.496749	4.8	5892.743
Ba	138	1	He	33.043619	0.8	1030439.673
Pt	195	1	He	0.000967	313.4	83.333
Hg	202	1	He	0.015086	52.1	150.003
Tl	205	1	He	0.077292	3.8	3883.843
Pb	206	1	He	3.045512	1.2	43926.823
Pb	207	1	He	2.951348	1.8	36254.423
Pb	208	1	He	2.999749	1.2	171359.497
Bi	209	1	He	0.045179	8.3	3287.063
Th	232	1	He	1.309093	1.0	82386.333
U	238	1	He	0.171166	2.9	11082.360

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.23182553	746201.667
Sc	45	2	H2	68.79965772	4611071.167
Ge	72	1	He	66.96745742	453464.417
Ge	72	2	H2	69.01547800	1251839.663
In	115	1	He	70.12865036	5111953.260
Tb	159	1	He	77.19832878	12500122.727
Ir	193	1	He	75.47854675	5900325.537

Sample Name	10607799013_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	299SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:03:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.540492	11.2	359.833
Be	9	2	H2	0.020880	16.9	14.833
B	11	2	H2	0.044732	432.3	2236.857
Na	23	1	He	663.051406	0.9	971075.373
Mg	24	1	He	2418.433533	1.5	1943397.523
Al	27	1	He	193.316127	1.8	84207.007
Si	28	2	H2	633.850251	6.3	2115919.000
K	39	1	He	202.246703	2.3	339265.660
Ca	43	1	He	2198.492764	0.9	8076.670
Ca	44	1	He	2273.746635	1.1	139883.890
Ti	47	1	He	0.889142	13.8	352.673
V	51	1	He	0.327700	7.2	1725.903
Cr	52	1	He	0.298115	4.0	3745.733
Mn	55	1	He	65.280516	1.1	550248.663
Fe	56	1	He	843.815909	1.6	8608894.667
Co	59	1	He	0.167644	3.2	2797.560
Ni	60	1	He	0.241689	8.9	1619.413
Cu	63	1	He	0.348769	3.1	3809.753
Zn	66	1	He	5.751629	2.2	12300.240
As	75	1	He	0.023556	19.6	245.500
Se	78	2	H2	0.005744	51.2	18.000
Sr	88	1	He	4.030216	2.1	62890.367
Mo	95	1	He	0.020905	22.8	151.667
Pd	105	1	He	-0.000168		26.667
Ag	107	1	He	1.086664	74.9	22183.327
Cd	111	1	He	0.009044	22.9	36.620
Sn	118	1	He	0.228213	4.5	2396.860
Sb	121	1	He	0.028840	18.4	448.343
Ba	138	1	He	1.698868	1.0	56091.350
Pt	195	1	He	0.001673	58.3	96.667
Hg	202	1	He	0.003469	28.4	86.667
Tl	205	1	He	-0.003682		476.677
Pb	206	1	He	0.161591	4.7	2538.563
Pb	207	1	He	0.151922	1.2	2745.263
Pb	208	1	He	0.157320	1.9	10509.723
Bi	209	1	He	-0.000637		1310.087
Th	232	1	He	0.061863	4.2	4187.273
U	238	1	He	0.008538	18.9	658.357

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.92971765	797579.083
Sc	45	2	H2	71.78816915	4811366.333
Ge	72	1	He	72.14973403	488555.760
Ge	72	2	H2	72.54458293	1315852.457
In	115	1	He	77.21782582	5628711.153
Tb	159	1	He	81.55754174	13205976.050
Ir	193	1	He	80.31987386	6278782.823

Sample Name	10607799014_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	300SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:07:32
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.242471	6.4	2432.823
Be	9	2	H2	0.116634	6.3	60.333
B	11	2	H2	15.094070	10.5	9779.413
Na	23	1	He	9135.706658	1.4	12941547.310
Mg	24	1	He	41684.22928	1.9	32769834.513
Al	27	1	He	1072.816036	1.6	456935.013
Si	28	2	H2	8667.976593	7.1	28247217.333
K	39	1	He	1973.188439	1.6	2405610.170
Ca	43	1	He	103830.9532	1.0	373305.133
Ca	44	1	He	105183.7082	1.7	6332627.327
Ti	47	1	He	8.147355	7.6	3148.307
V	51	1	He	6.147609	2.3	54838.010
Cr	52	1	He	8.014659	1.5	87894.660
Mn	55	1	He	355.589473	1.3	2932970.000
Fe	56	1	He	1893.346217	1.4	18906592.000
Co	59	1	He	1.568501	3.7	24535.323
Ni	60	1	He	100.351640	1.6	383748.790
Cu	63	1	He	4.336589	2.5	42892.860
Zn	66	1	He	836.427530	2.8	1696037.040
As	75	1	He	11.351678	1.7	19052.463
Se	78	2	H2	3.901570	2.3	3257.970
Sr	88	1	He	148.096952	0.8	2177270.800
Mo	95	1	He	23.320549	1.6	143375.643
Pd	105	1	He	0.040132	12.5	403.347
Ag	107	1	He	1.588913	74.2	30342.177
Cd	111	1	He	0.138527	17.7	495.337
Sn	118	1	He	62.815157	0.4	587185.800
Sb	121	1	He	23.727850	0.9	289400.900
Ba	138	1	He	48.705307	1.4	1551785.343
Pt	195	1	He	0.014624	54.3	246.673
Hg	202	1	He	0.017350	39.8	166.667
Tl	205	1	He	2.256448	1.9	98372.957
Pb	206	1	He	2.367596	2.8	34908.167
Pb	207	1	He	2.253021	3.1	28463.760
Pb	208	1	He	2.281281	0.8	133401.243
Bi	209	1	He	0.021430	22.4	2273.557
Th	232	1	He	0.519231	2.1	33206.967
U	238	1	He	12.160916	0.9	794496.160

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.44403835	781331.293
Sc	45	2	H2	70.37331929	4716540.667
Ge	72	1	He	69.38814168	469855.873
Ge	72	2	H2	70.86741955	1285431.170
In	115	1	He	72.95067893	5317662.027
Tb	159	1	He	78.88150345	12772666.060
Ir	193	1	He	76.63845104	5990997.830

Sample Name	10607799014_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	301SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:11:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.216712	5.9	176.333
Be	9	2	H2	0.015708	51.1	12.500
B	11	2	H2	-0.922232		1763.453
Na	23	1	He	460.365276	0.9	685276.993
Mg	24	1	He	2155.795454	0.9	1750631.380
Al	27	1	He	56.777104	3.2	25125.013
Si	28	2	H2	464.668703	6.4	1577147.417
K	39	1	He	120.896088	0.5	244549.503
Ca	43	1	He	5217.822400	0.3	19356.143
Ca	44	1	He	5408.150471	0.7	335968.610
Ti	47	1	He	0.553356	22.7	222.677
V	51	1	He	0.324833	23.7	1718.553
Cr	52	1	He	0.417993	0.9	5134.090
Mn	55	1	He	17.958194	0.6	153452.057
Fe	56	1	He	97.276337	0.4	1014339.043
Co	59	1	He	0.077325	3.1	1347.390
Ni	60	1	He	5.049633	1.1	20937.487
Cu	63	1	He	0.222460	2.1	2545.527
Zn	66	1	He	41.998294	1.2	89729.230
As	75	1	He	0.574557	2.6	1210.540
Se	78	2	H2	0.206623	8.3	193.333
Sr	88	1	He	7.126944	0.7	111422.043
Mo	95	1	He	1.168073	3.4	7568.363
Pd	105	1	He	0.004511	46.7	73.333
Ag	107	1	He	1.029605	76.3	21089.963
Cd	111	1	He	0.005308	99.2	22.730
Sn	118	1	He	3.576096	0.9	35623.717
Sb	121	1	He	1.171730	3.5	15246.900
Ba	138	1	He	2.391614	1.0	78188.313
Pt	195	1	He	0.002832	115.1	110.000
Hg	202	1	He	-0.000219		63.333
Tl	205	1	He	0.118810	1.2	5907.823
Pb	206	1	He	0.125486	8.4	1970.143
Pb	207	1	He	0.109799	6.5	2190.180
Pb	208	1	He	0.116898	5.6	8009.163
Bi	209	1	He	0.001129	132.7	1380.090
Th	232	1	He	0.026929	4.0	1825.127
U	238	1	He	0.598143	1.1	40487.513

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	73.68161570	805802.043
Sc	45	2	H2	72.94040513	4888591.167
Ge	72	1	He	72.94972394	493972.823
Ge	72	2	H2	74.19113726	1345718.540
In	115	1	He	77.45407424	5645932.230
Tb	159	1	He	80.80814634	13084632.303
Ir	193	1	He	79.26577761	6196381.780

Sample Name	10607799015_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	302SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:14:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	9.113027	3.7	4855.963
Be	9	2	H2	0.027460	10.7	16.667
B	11	2	H2	5.935166	4.5	4844.050
Na	23	1	He	11812.40735	1.9	15935957.680
Mg	24	1	He	69751.36013	2.1	52232589.223
Al	27	1	He	37.608614	3.3	15426.440
Si	28	2	H2	330.039123	5.8	1018513.333
K	39	1	He	2346.948404	1.5	2708364.853
Ca	43	1	He	213012.2580	1.5	729499.677
Ca	44	1	He	217340.8174	1.5	12464598.343
Ti	47	1	He	0.840853	8.0	311.333
V	51	1	He	0.300842	16.9	1378.387
Cr	52	1	He	1.092310	1.8	11752.493
Mn	55	1	He	3907.866364	1.9	30697014.667
Fe	56	1	He	35579.02471	1.8	338213749.333
Co	59	1	He	0.583385	1.1	8738.803
Ni	60	1	He	1.083701	3.5	4544.587
Cu	63	1	He	0.585413	4.6	5705.593
Zn	66	1	He	3.220990	1.6	6378.483
As	75	1	He	0.282696	8.7	634.843
Se	78	2	H2	0.083391	2.7	78.667
Sr	88	1	He	469.736362	1.6	6685247.817
Mo	95	1	He	0.437990	7.4	2580.223
Pd	105	1	He	0.064294	9.4	610.027
Ag	107	1	He	1.823632	83.3	33770.007
Cd	111	1	He	0.109825	6.8	380.903
Sn	118	1	He	0.217159	3.5	2091.820
Sb	121	1	He	0.032251	12.4	450.010
Ba	138	1	He	19.087911	0.7	588384.197
Pt	195	1	He	0.008916	31.5	173.337
Hg	202	1	He	0.007840	177.5	106.670
Tl	205	1	He	0.009633	29.4	1003.377
Pb	206	1	He	0.146030	2.1	2153.503
Pb	207	1	He	0.122817	8.5	2223.507
Pb	208	1	He	0.139304	2.7	8822.687
Bi	209	1	He	0.003859	49.3	1423.427
Th	232	1	He	0.026662	2.8	1690.113
U	238	1	He	0.036862	3.5	2396.877

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.05465117	744264.040
Sc	45	2	H2	66.11609968	4431214.500
Ge	72	1	He	66.08553189	447492.533
Ge	72	2	H2	67.84276091	1230568.293
In	115	1	He	70.62752831	5148318.437
Tb	159	1	He	76.30714203	12355819.813
Ir	193	1	He	74.12489562	5794507.623

Sample Name	10607799015_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	303SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:18:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.486551	5.9	336.667
Be	9	2	H2	0.006732	39.4	8.167
B	11	2	H2	-1.596580		1430.083
Na	23	1	He	591.073314	1.5	861307.880
Mg	24	1	He	3593.206546	1.7	2866909.437
Al	27	1	He	3.035970	7.1	1496.397
Si	28	2	H2	18.034868	7.8	70820.433
K	39	1	He	136.231365	1.2	258649.363
Ca	43	1	He	10696.15977	0.9	39003.717
Ca	44	1	He	11036.37574	1.1	673933.840
Ti	47	1	He	0.043275	18.8	19.333
V	51	1	He	0.061596	90.4	-748.460
Cr	52	1	He	0.083786	10.0	1348.053
Mn	55	1	He	202.811604	1.3	1696668.750
Fe	56	1	He	1845.017584	1.9	18682788.667
Co	59	1	He	0.028113	10.5	531.343
Ni	60	1	He	-0.077736		349.337
Cu	63	1	He	0.498695	1.9	5313.470
Zn	66	1	He	0.159779	24.2	504.677
As	75	1	He	-0.016253		175.667
Se	78	2	H2	0.008995	106.1	21.000
Sr	88	1	He	22.591040	0.7	352129.263
Mo	95	1	He	0.020545	45.1	148.333
Pd	105	1	He	0.006513	63.2	93.333
Ag	107	1	He	1.529125	77.6	31130.597
Cd	111	1	He	0.006826	124.8	28.290
Sn	118	1	He	0.201722	10.8	2136.833
Sb	121	1	He	0.004300	48.4	131.667
Ba	138	1	He	0.968159	0.9	31898.550
Pt	195	1	He	0.002537	97.2	106.667
Hg	202	1	He	0.000866	693.7	70.000
Tl	205	1	He	-0.006330		356.673
Pb	206	1	He	0.008014	25.2	201.667
Pb	207	1	He	0.003637	90.4	858.363
Pb	208	1	He	0.006650	19.3	1465.040
Bi	209	1	He	-0.002089		1236.743
Th	232	1	He	0.001472	45.0	145.000
U	238	1	He	0.002344	23.4	233.340

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.44847130	792316.043
Sc	45	2	H2	73.62350462	4934373.667
Ge	72	1	He	71.73580968	485752.907
Ge	72	2	H2	73.62320275	1335417.040
In	115	1	He	77.31268959	5635626.147
Tb	159	1	He	81.24556324	13155459.807
Ir	193	1	He	80.02117175	6255432.617

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	304_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:21:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	73.072408	5.0	42047.207
Be	9	2	H2	72.116965	4.5	35351.410
B	11	2	H2	68.771709	3.9	37635.073
Na	23	1	He	2036.980966	4.8	2763846.833
Mg	24	1	He	2026.488835	5.3	1522768.673
Al	27	1	He	1962.988385	4.9	797879.627
Si	28	2	H2	919.514470	5.3	3071653.167
K	39	1	He	2073.485272	5.3	2407971.217
Ca	43	1	He	1983.822952	2.9	6819.010
Ca	44	1	He	1975.656560	4.6	113670.733
Ti	47	1	He	77.125839	5.2	28412.103
V	51	1	He	82.321578	4.7	716266.760
Cr	52	1	He	82.475747	4.7	859663.750
Mn	55	1	He	83.221627	4.9	655664.687
Fe	56	1	He	1042.574611	5.5	9940345.667
Co	59	1	He	82.578708	4.6	1272896.707
Ni	60	1	He	82.696494	4.9	312573.753
Cu	63	1	He	84.926964	5.2	825746.190
Zn	66	1	He	81.290946	5.6	163005.230
As	75	1	He	78.905614	5.2	129686.820
Se	78	2	H2	74.414744	0.6	64023.553
Sr	88	1	He	74.724551	4.8	1076871.990
Mo	95	1	He	82.792501	5.5	502813.170
Pd	105	1	He	78.276676	5.2	719818.923
Ag	107	1	He	41.167759	1.8	756721.943
Cd	111	1	He	76.594572	5.3	267190.480
Sn	118	1	He	77.556024	5.5	710397.023
Sb	121	1	He	74.640714	5.5	891947.250
Ba	138	1	He	78.966342	5.5	2433333.450
Pt	195	1	He	77.765177	4.0	892175.793
Hg	202	1	He	3.504346	7.7	20319.990
Tl	205	1	He	40.596372	4.4	1701927.057
Pb	206	1	He	80.000762	4.5	1138745.843
Pb	207	1	He	83.634328	4.4	994739.073
Pb	208	1	He	82.200240	4.5	4615251.233
Bi	209	1	He	84.970460	5.1	3753761.197
Th	232	1	He	79.474955	4.9	5010802.217
U	238	1	He	77.340950	4.8	4987787.740

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.28876329	746824.353
Sc	45	2	H2	72.00184368	4825687.167
Ge	72	1	He	68.66645889	464969.060
Ge	72	2	H2	73.27340640	1329072.247
In	115	1	He	71.62280041	5220867.737
Tb	159	1	He	76.41937445	12373992.733
Ir	193	1	He	75.75553398	5921978.243

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	305_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:25:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.014326	22.7	57.667
Be	9	2	H2	0.021149	24.7	15.000
B	11	2	H2	-1.292820		1550.097
Na	23	1	He	0.775304	20.9	13858.623
Mg	24	1	He	-1.874288		1091.710
Al	27	1	He	1.323367	20.4	740.033
Si	28	2	H2	0.595386	147.6	11085.667
K	39	1	He	23.455987	2.6	121827.000
Ca	43	1	He	3.819352	67.7	21.293
Ca	44	1	He	1.410698	88.3	217.950
Ti	47	1	He	0.014754	34.6	8.000
V	51	1	He	-0.033817		-1593.827
Cr	52	1	He	0.000520	620.8	416.673
Mn	55	1	He	-0.011996		590.677
Fe	56	1	He	0.423258	3.2	16775.803
Co	59	1	He	0.005490	16.4	163.333
Ni	60	1	He	-0.134413		123.333
Cu	63	1	He	0.005451	43.0	290.000
Zn	66	1	He	0.050596	61.3	270.667
As	75	1	He	-0.007010		188.000
Se	78	2	H2	0.015399	73.7	26.000
Sr	88	1	He	0.010533	43.4	336.673
Mo	95	1	He	0.042304	26.0	281.673
Pd	105	1	He	0.011279	50.9	136.670
Ag	107	1	He	2.277384	69.3	44681.407
Cd	111	1	He	0.012916	18.4	49.913
Sn	118	1	He	0.069287	13.9	803.363
Sb	121	1	He	0.016388	24.9	280.007
Ba	138	1	He	0.010235	19.7	450.010
Pt	195	1	He	0.009869	59.0	190.007
Hg	202	1	He	0.024163	44.4	206.673
Tl	205	1	He	0.048680	13.9	2711.927
Pb	206	1	He	0.014874	24.5	295.007
Pb	207	1	He	0.002474	374.6	815.030
Pb	208	1	He	0.009341	40.5	1570.050
Bi	209	1	He	0.007653	68.0	1636.787
Th	232	1	He	0.012449	26.3	865.033
U	238	1	He	0.009178	22.8	690.023

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.74022952	773634.250
Sc	45	2	H2	71.84594396	4815238.500
Ge	72	1	He	70.37987980	476571.343
Ge	72	2	H2	72.22698341	1310091.667
In	115	1	He	75.24388866	5484823.107
Tb	159	1	He	78.42328697	12698470.643
Ir	193	1	He	78.96660914	6172995.117

Sample Name	10607799016_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	306SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:28:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	10.005556	4.6	5901.093
Be	9	2	H2	0.030570	11.8	20.000
B	11	2	H2	15.780234	9.3	10526.503
Na	23	1	He	7281.632565	2.8	10125420.890
Mg	24	1	He	20411.47520	2.9	15748651.847
Al	27	1	He	40.524485	2.9	17111.540
Si	28	2	H2	7021.675581	6.0	23817484.000
K	39	1	He	877.230549	3.6	1101554.880
Ca	43	1	He	47339.21565	3.0	167020.947
Ca	44	1	He	48363.15548	3.1	2857427.160
Ti	47	1	He	0.649364	14.8	248.670
V	51	1	He	0.562063	2.1	3759.843
Cr	52	1	He	0.622236	6.2	7079.720
Mn	55	1	He	4.418793	3.7	36437.217
Fe	56	1	He	47.643319	2.8	479050.313
Co	59	1	He	0.037528	4.6	654.017
Ni	60	1	He	0.232952	4.5	1508.070
Cu	63	1	He	0.342664	2.0	3565.700
Zn	66	1	He	4.990084	3.7	10172.243
As	75	1	He	0.568855	7.7	1128.873
Se	78	2	H2	0.584271	4.7	512.677
Sr	88	1	He	145.927958	4.0	2149263.510
Mo	95	1	He	0.149947	7.1	928.367
Pd	105	1	He	0.020912	8.0	223.340
Ag	107	1	He	2.057478	77.6	39380.823
Cd	111	1	He	0.040471	18.5	146.387
Sn	118	1	He	0.173355	7.4	1755.107
Sb	121	1	He	0.088697	9.8	1155.053
Ba	138	1	He	11.948750	5.4	374878.313
Pt	195	1	He	0.011650	82.2	206.673
Hg	202	1	He	0.008099	52.9	110.000
Tl	205	1	He	0.016142	6.0	1300.067
Pb	206	1	He	0.113145	5.9	1715.110
Pb	207	1	He	0.097290	17.6	1956.810
Pb	208	1	He	0.104659	4.0	7002.300
Bi	209	1	He	0.014452	20.2	1930.163
Th	232	1	He	0.017684	20.1	1160.053
U	238	1	He	0.254227	5.1	16535.550

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.13436695	767008.373
Sc	45	2	H2	73.26338254	4910237.667
Ge	72	1	He	68.67458964	465024.117
Ge	72	2	H2	72.86469791	1321658.873
In	115	1	He	73.13852917	5331355.170
Tb	159	1	He	77.74329219	12588364.397
Ir	193	1	He	76.06522413	5946187.410

Sample Name	10607799016_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	307SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:32:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.512395	7.9	357.833
Be	9	2	H2	0.009502	35.5	9.667
B	11	2	H2	-1.032676		1753.453
Na	23	1	He	355.800402	0.6	535340.277
Mg	24	1	He	999.383577	1.3	817069.987
Al	27	1	He	3.301397	2.3	1647.077
Si	28	2	H2	362.954926	7.3	1266248.127
K	39	1	He	62.093886	2.6	174427.780
Ca	43	1	He	2343.737444	1.7	8743.083
Ca	44	1	He	2382.002463	2.1	148806.303
Ti	47	1	He	0.068789	25.9	30.000
V	51	1	He	-0.019802		-1536.983
Cr	52	1	He	0.073506	6.7	1262.050
Mn	55	1	He	0.183798	3.4	2292.153
Fe	56	1	He	2.981514	2.1	44025.937
Co	59	1	He	-0.000595		70.000
Ni	60	1	He	-0.127649		156.000
Cu	63	1	He	0.547288	3.1	5947.003
Zn	66	1	He	0.641962	5.7	1552.077
As	75	1	He	0.012886	28.8	231.167
Se	78	2	H2	0.030583	16.6	40.667
Sr	88	1	He	6.827070	0.7	108253.943
Mo	95	1	He	0.008954	21.6	76.667
Pd	105	1	He	0.003765	130.3	66.667
Ag	107	1	He	1.288653	84.6	26579.257
Cd	111	1	He	0.002343	127.2	11.643
Sn	118	1	He	0.149596	1.6	1646.767
Sb	121	1	He	0.002879	48.3	115.000
Ba	138	1	He	0.580071	1.1	19242.737
Pt	195	1	He	0.002216	57.7	103.333
Hg	202	1	He	0.009398	20.4	123.333
Tl	205	1	He	-0.004464		441.677
Pb	206	1	He	0.026615	23.1	485.013
Pb	207	1	He	0.018982	40.4	1056.717
Pb	208	1	He	0.024038	9.1	2513.437
Bi	209	1	He	0.000558	720.7	1366.757
Th	232	1	He	0.001562	39.1	151.667
U	238	1	He	0.012787	10.5	951.703

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.05692068	809906.480
Sc	45	2	H2	74.83893653	5015834.000
Ge	72	1	He	73.45400360	497387.510
Ge	72	2	H2	75.50324948	1369518.333
In	115	1	He	78.55458994	5726153.150
Tb	159	1	He	81.57302757	13208483.550
Ir	193	1	He	80.51036139	6293673.657

Sample Name	10607799017_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	308SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:36:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.998898	1.0	3202.607
Be	9	2	H2	0.016862	84.0	12.000
B	11	2	H2	13.625797	7.1	8472.097
Na	23	1	He	9475.504893	0.9	12983410.640
Mg	24	1	He	85189.61930	0.9	64779839.033
Al	27	1	He	39.353865	0.4	16384.557
Si	28	2	H2	6001.054001	6.8	18347872.667
K	39	1	He	2620.826065	0.5	3060359.533
Ca	43	1	He	240239.9256	0.4	835459.723
Ca	44	1	He	246085.7723	1.4	14331024.530
Ti	47	1	He	1.631279	11.4	611.347
V	51	1	He	3.847156	1.2	32720.837
Cr	52	1	He	1.066463	1.9	11661.107
Mn	55	1	He	2266.766473	0.6	18081498.667
Fe	56	1	He	1473.772924	0.6	14238109.000
Co	59	1	He	2.547298	1.4	37995.840
Ni	60	1	He	72.928167	0.8	266357.980
Cu	63	1	He	1.052955	1.3	10109.520
Zn	66	1	He	113.169310	1.3	219197.797
As	75	1	He	17.739353	1.3	28313.197
Se	78	2	H2	76.788085	1.4	60368.620
Sr	88	1	He	421.393054	1.2	6068245.117
Mo	95	1	He	1.038763	2.1	6112.797
Pd	105	1	He	0.070764	13.0	676.697
Ag	107	1	He	1.324143	73.1	24953.503
Cd	111	1	He	1.114929	7.7	3890.313
Sn	118	1	He	0.137058	1.1	1383.403
Sb	121	1	He	0.220575	7.5	2705.240
Ba	138	1	He	37.922816	0.9	1179403.107
Pt	195	1	He	0.009922	53.3	186.673
Hg	202	1	He	0.004877	71.4	90.000
Tl	205	1	He	0.226718	2.6	10191.633
Pb	206	1	He	0.150865	3.8	2241.837
Pb	207	1	He	0.132870	11.0	2363.533
Pb	208	1	He	0.144988	2.1	9222.757
Bi	209	1	He	0.008112	53.8	1626.790
Th	232	1	He	0.020975	18.0	1353.403
U	238	1	He	1.620758	1.5	103617.273

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.10236366	755722.107
Sc	45	2	H2	65.95656557	4420522.250
Ge	72	1	He	66.22404160	448430.440
Ge	72	2	H2	66.94657699	1214312.830
In	115	1	He	71.46106071	5209077.893
Tb	159	1	He	76.99005233	12466398.147
Ir	193	1	He	74.94965843	5858981.163

Sample Name	10607799017_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	309SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:39:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.306980	9.1	231.833
Be	9	2	H2	0.011123	107.0	10.333
B	11	2	H2	-1.179290		1650.117
Na	23	1	He	479.109232	0.8	704764.363
Mg	24	1	He	4363.582975	1.2	3501545.260
Al	27	1	He	3.438181	5.6	1680.080
Si	28	2	H2	320.953541	4.6	1104679.667
K	39	1	He	149.220926	1.0	275680.647
Ca	43	1	He	12088.83749	1.1	44339.450
Ca	44	1	He	12477.59069	1.0	766405.880
Ti	47	1	He	0.107337	36.4	44.667
V	51	1	He	0.189048	54.0	434.363
Cr	52	1	He	0.082076	4.7	1337.387
Mn	55	1	He	113.124803	0.4	952255.047
Fe	56	1	He	76.998272	1.3	796724.167
Co	59	1	He	0.124470	4.3	2101.463
Ni	60	1	He	3.611258	1.6	15026.970
Cu	63	1	He	0.268803	2.7	2997.593
Zn	66	1	He	6.267138	1.4	13413.720
As	75	1	He	0.856730	3.9	1688.083
Se	78	2	H2	3.472432	3.8	3062.600
Sr	88	1	He	20.440073	0.9	318106.917
Mo	95	1	He	0.057541	9.1	386.677
Pd	105	1	He	0.008212	41.5	110.000
Ag	107	1	He	1.191168	79.2	24234.960
Cd	111	1	He	0.052840	7.9	201.550
Sn	118	1	He	0.144228	11.0	1565.090
Sb	121	1	He	0.012982	15.6	243.337
Ba	138	1	He	1.896876	0.3	62294.360
Pt	195	1	He	0.007445	21.9	166.667
Hg	202	1	He	0.001362	415.5	73.333
Tl	205	1	He	0.004221	28.4	826.693
Pb	206	1	He	0.036793	6.9	636.687
Pb	207	1	He	0.032305	22.6	1220.060
Pb	208	1	He	0.037146	10.9	3283.490
Bi	209	1	He	-0.001210		1276.740
Th	232	1	He	0.002296	20.5	201.667
U	238	1	He	0.078682	2.7	5491.007

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.87063474	796932.937
Sc	45	2	H2	73.77163819	4944301.833
Ge	72	1	He	72.29128791	489514.280
Ge	72	2	H2	74.77426300	1356295.587
In	115	1	He	77.18709304	5626470.920
Tb	159	1	He	81.13986687	13138345.220
Ir	193	1	He	80.76272086	6313401.157

Sample Name	10607799018_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	310SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:43:14
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	7.113009	2.1	3863.563
Be	9	2	H2	0.214127	11.1	102.667
B	11	2	H2	95.213395	3.5	47881.600
Na	23	1	He	11404.84231	1.2	16107095.177
Mg	24	1	He	153523.4697	1.2	120346944.873
Al	27	1	He	2976.946690	0.9	1264056.040
Si	28	2	H2	10518.36404	5.6	32753536.000
K	39	1	He	2834.699295	1.1	3404569.427
Ca	43	1	He	313836.0210	0.8	1125116.110
Ca	44	1	He	317894.3829	1.3	19084752.780
Ti	47	1	He	71.909338	1.4	27678.963
V	51	1	He	93.563839	0.9	850659.673
Cr	52	1	He	29.589887	1.4	322470.377
Mn	55	1	He	1067.668251	1.3	8779935.667
Fe	56	1	He	14148.92305	0.7	140808650.667
Co	59	1	He	10.402779	1.0	157484.630
Ni	60	1	He	757.022419	1.1	2804317.167
Cu	63	1	He	132.488258	0.1	1264804.543
Zn	66	1	He	7832.181665	0.7	15408306.000
As	75	1	He	21.300378	0.2	34516.537
Se	78	2	H2	551.589097	0.7	444834.137
Sr	88	1	He	595.911650	1.6	8574599.873
Mo	95	1	He	2.827339	1.9	16879.930
Pd	105	1	He	0.190788	17.3	1776.803
Ag	107	1	He	1.610917	67.0	30268.693
Cd	111	1	He	32.211004	1.0	112233.737
Sn	118	1	He	0.554640	2.8	5202.500
Sb	121	1	He	1.950249	2.6	23349.367
Ba	138	1	He	118.971577	1.6	3760827.443
Pt	195	1	He	0.009649	12.8	186.673
Hg	202	1	He	0.066362	21.0	456.683
Tl	205	1	He	6.773838	3.0	291757.573
Pb	206	1	He	18.886836	1.6	275767.147
Pb	207	1	He	17.232080	1.7	210810.220
Pb	208	1	He	17.624255	1.5	1015683.700
Bi	209	1	He	0.092517	4.9	5477.730
Th	232	1	He	1.012092	0.8	63375.530
U	238	1	He	3.941441	0.8	252345.743

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.23853532	779083.857
Sc	45	2	H2	67.23077818	4505922.167
Ge	72	1	He	67.30549314	455753.397
Ge	72	2	H2	68.69474997	1246022.127
In	115	1	He	71.41020115	5205370.540
Tb	159	1	He	78.27119232	12673843.143
Ir	193	1	He	75.08672226	5869695.747

Sample Name	10607799018_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	311SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:46:52
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.394979	6.6	284.500
Be	9	2	H2	0.009893	76.8	9.833
B	11	2	H2	3.757778	9.4	4270.570
Na	23	1	He	588.967853	1.2	862662.880
Mg	24	1	He	8063.657297	1.8	6463326.360
Al	27	1	He	153.834963	1.5	66941.283
Si	28	2	H2	584.208075	6.5	2010260.667
K	39	1	He	164.409197	1.0	293578.847
Ca	43	1	He	16024.45988	0.9	58724.950
Ca	44	1	He	16431.13930	0.8	1008391.237
Ti	47	1	He	3.695046	3.9	1456.067
V	51	1	He	4.674015	1.0	42172.327
Cr	52	1	He	1.533659	2.0	17484.430
Mn	55	1	He	55.207427	1.0	464710.540
Fe	56	1	He	747.837348	1.4	7619111.000
Co	59	1	He	0.517733	0.6	8488.680
Ni	60	1	He	38.536869	1.0	153884.000
Cu	63	1	He	7.047939	1.5	72460.430
Zn	66	1	He	406.529035	1.0	858740.293
As	75	1	He	0.997337	1.1	1930.440
Se	78	2	H2	23.952410	2.2	21189.587
Sr	88	1	He	28.854762	0.4	445191.943
Mo	95	1	He	0.134393	7.9	878.363
Pd	105	1	He	0.014745	37.7	173.340
Ag	107	1	He	1.185580	81.1	23944.900
Cd	111	1	He	1.719798	6.0	6424.320
Sn	118	1	He	0.159541	11.9	1701.770
Sb	121	1	He	0.096650	3.4	1311.730
Ba	138	1	He	5.963354	0.9	194624.887
Pt	195	1	He	0.003678	78.4	120.000
Hg	202	1	He	0.015039	32.8	156.673
Tl	205	1	He	0.354992	1.1	16378.517
Pb	206	1	He	0.981086	2.0	14856.983
Pb	207	1	He	0.899564	2.6	12121.350
Pb	208	1	He	0.913182	1.4	55303.553
Bi	209	1	He	0.002415	116.9	1440.097
Th	232	1	He	0.046420	3.5	3160.360
U	238	1	He	0.185163	2.4	12776.977

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.81107940	796281.623
Sc	45	2	H2	74.05021208	4962972.333
Ge	72	1	He	72.25358234	489258.960
Ge	72	2	H2	75.33131810	1366399.750
In	115	1	He	76.53252756	5578757.067
Tb	159	1	He	80.75420840	13075898.553
Ir	193	1	He	80.48506468	6291696.157

Sample Name	10607799019_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	312SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:50:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.508697	2.9	2976.907
Be	9	2	H2	0.014410	77.0	11.000
B	11	2	H2	20.015382	8.1	11610.523
Na	23	1	He	11726.64038	1.7	16250219.760
Mg	24	1	He	64992.86330	1.9	49991815.923
Al	27	1	He	13.231585	3.9	5690.547
Si	28	2	H2	6227.380575	5.9	19222984.000
K	39	1	He	3086.509480	1.2	3629236.193
Ca	43	1	He	231977.9954	1.4	816045.560
Ca	44	1	He	234476.2496	2.1	13812082.497
Ti	47	1	He	0.476494	39.4	182.007
V	51	1	He	0.784415	13.4	5735.653
Cr	52	1	He	0.770711	1.7	8637.423
Mn	55	1	He	863.410581	1.9	6966956.833
Fe	56	1	He	217.531076	1.5	2136429.333
Co	59	1	He	1.305591	0.7	19722.773
Ni	60	1	He	134.549233	1.4	496236.230
Cu	63	1	He	0.660326	3.1	6491.857
Zn	66	1	He	474.404197	0.4	928450.647
As	75	1	He	1.192069	4.2	2100.293
Se	78	2	H2	187.440852	1.7	149641.103
Sr	88	1	He	521.561303	1.0	7501966.137
Mo	95	1	He	0.811636	2.8	4830.717
Pd	105	1	He	0.098894	21.2	933.387
Ag	107	1	He	1.010513	77.6	19188.863
Cd	111	1	He	3.003494	0.7	10463.500
Sn	118	1	He	0.043209	14.6	523.347
Sb	121	1	He	0.179503	3.4	2211.830
Ba	138	1	He	32.507368	0.5	1017202.850
Pt	195	1	He	0.020966	29.0	316.677
Hg	202	1	He	0.006481	69.7	100.000
Tl	205	1	He	0.891234	3.1	38524.563
Pb	206	1	He	0.056111	6.6	886.703
Pb	207	1	He	0.050200	18.2	1380.070
Pb	208	1	He	0.054942	11.4	4146.907
Bi	209	1	He	0.001593	414.6	1343.417
Th	232	1	He	0.007776	6.7	533.347
U	238	1	He	2.259512	0.4	145432.693

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.90830176	764536.063
Sc	45	2	H2	66.63978566	4466312.833
Ge	72	1	He	66.94419394	453306.890
Ge	72	2	H2	67.99954020	1233412.040
In	115	1	He	71.37953116	5203134.883
Tb	159	1	He	77.46511844	12543321.893
Ir	193	1	He	75.47306739	5899897.203

Sample Name	10607799019_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	313SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:53:59
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.271857	7.1	209.667
Be	9	2	H2	0.006140	44.1	7.833
B	11	2	H2	-0.803534		1843.463
Na	23	1	He	599.256816	0.6	876208.710
Mg	24	1	He	3377.575361	1.4	2704832.253
Al	27	1	He	1.967209	1.2	1039.030
Si	28	2	H2	334.737980	5.8	1145722.837
K	39	1	He	176.174248	1.7	307159.707
Ca	43	1	He	11806.17094	1.1	43205.460
Ca	44	1	He	12119.49933	1.4	742752.060
Ti	47	1	He	0.027731	55.4	13.333
V	51	1	He	-0.095899		-2216.313
Cr	52	1	He	0.064759	2.8	1142.040
Mn	55	1	He	44.031837	1.3	370235.897
Fe	56	1	He	11.749217	1.1	132269.647
Co	59	1	He	0.062521	1.0	1092.040
Ni	60	1	He	6.885044	2.1	27978.303
Cu	63	1	He	0.042769	1.5	678.683
Zn	66	1	He	25.020015	1.5	52904.187
As	75	1	He	0.063466	26.5	314.167
Se	78	2	H2	8.595368	0.8	7496.257
Sr	88	1	He	25.282034	1.1	395121.283
Mo	95	1	He	0.035331	37.7	243.337
Pd	105	1	He	0.004512	47.4	73.333
Ag	107	1	He	0.880624	83.2	18323.080
Cd	111	1	He	0.143349	4.0	544.940
Sn	118	1	He	0.114898	8.1	1280.063
Sb	121	1	He	0.009821	17.3	203.337
Ba	138	1	He	1.632882	1.2	53822.133
Pt	195	1	He	0.004421	116.4	130.003
Hg	202	1	He	0.011057	9.1	133.333
Tl	205	1	He	0.041036	6.5	2475.217
Pb	206	1	He	0.003293	66.4	130.000
Pb	207	1	He	-0.001240		798.363
Pb	208	1	He	0.002075	68.0	1193.370
Bi	209	1	He	-0.002698		1210.073
Th	232	1	He	0.000384	11.5	73.333
U	238	1	He	0.108600	2.7	7583.587

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.70546752	795126.623
Sc	45	2	H2	73.35597939	4916443.667
Ge	72	1	He	72.11250005	488303.633
Ge	72	2	H2	74.15830679	1345123.043
In	115	1	He	77.52551246	5651139.643
Tb	159	1	He	81.40881290	13181893.550
Ir	193	1	He	81.11988901	6341321.783

Sample Name	10607799020_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	314SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:57:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.449306	4.0	1903.430
Be	9	2	H2	0.012468	65.5	10.000
B	11	2	H2	2.927600	10.0	3490.407
Na	23	1	He	8492.982955	1.3	11463866.080
Mg	24	1	He	48641.17108	1.6	36432422.793
Al	27	1	He	13.188602	3.3	5523.497
Si	28	2	H2	62.885623	6.6	204866.923
K	39	1	He	1454.148243	0.8	1713232.840
Ca	43	1	He	165540.4828	0.9	567070.753
Ca	44	1	He	168553.6028	1.2	9668723.980
Ti	47	1	He	0.363099	25.2	136.000
V	51	1	He	0.162660	79.9	185.997
Cr	52	1	He	0.659474	2.0	7253.470
Mn	55	1	He	3203.014639	0.9	25167238.667
Fe	56	1	He	8485.630810	1.6	80689349.333
Co	59	1	He	0.072307	4.5	1138.040
Ni	60	1	He	0.599426	2.2	2764.890
Cu	63	1	He	0.281341	4.5	2837.570
Zn	66	1	He	2.304511	3.4	4575.937
As	75	1	He	0.269891	2.7	610.510
Se	78	2	H2	0.114708	9.8	104.000
Sr	88	1	He	493.375459	0.9	7075653.433
Mo	95	1	He	0.424878	3.7	2486.870
Pd	105	1	He	0.076140	6.4	723.367
Ag	107	1	He	0.906509	66.1	17319.937
Cd	111	1	He	0.032165	26.1	114.253
Sn	118	1	He	0.088422	8.5	935.037
Sb	121	1	He	0.027163	12.1	393.343
Ba	138	1	He	17.148523	0.6	539905.083
Pt	195	1	He	0.007686	94.7	163.337
Hg	202	1	He	0.008089	111.8	110.000
Tl	205	1	He	0.002077	47.8	701.690
Pb	206	1	He	0.123006	6.1	1865.130
Pb	207	1	He	0.115080	7.9	2175.167
Pb	208	1	He	0.117101	2.1	7735.760
Bi	209	1	He	0.001687	86.7	1356.750
Th	232	1	He	0.007772	7.1	533.343
U	238	1	He	0.015411	6.8	1061.713

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.07445164	744480.583
Sc	45	2	H2	67.41688452	4518395.333
Ge	72	1	He	65.63356577	444432.083
Ge	72	2	H2	68.11418121	1235491.460
In	115	1	He	71.17405247	5188156.733
Tb	159	1	He	77.93365108	12619187.727
Ir	193	1	He	75.52029751	5903589.287

Sample Name	10607799020_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	315SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 05:01:09
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.142496	22.5	135.833
Be	9	2	H2	0.008268	37.8	9.000
B	11	2	H2	-1.749403		1360.080
Na	23	1	He	426.121472	1.6	626220.643
Mg	24	1	He	2481.524221	2.4	1985854.290
Al	27	1	He	1.751474	3.8	944.693
Si	28	2	H2	4.089993	7.4	23498.337
K	39	1	He	91.425788	3.0	205980.187
Ca	43	1	He	8260.834345	1.2	30202.740
Ca	44	1	He	8558.635739	1.3	524020.477
Ti	47	1	He	0.036355	22.4	16.667
V	51	1	He	0.006684	471.4	-1263.417
Cr	52	1	He	0.054234	3.8	1024.030
Mn	55	1	He	164.137347	1.9	1376800.420
Fe	56	1	He	437.117313	2.0	4447707.500
Co	59	1	He	0.001095	141.8	95.333
Ni	60	1	He	-0.101195		256.000
Cu	63	1	He	0.033717	15.2	581.343
Zn	66	1	He	0.246214	13.1	684.017
As	75	1	He	-0.002929		198.000
Se	78	2	H2	0.011581	42.2	23.333
Sr	88	1	He	23.613341	2.6	368663.733
Mo	95	1	He	0.025576	19.2	180.000
Pd	105	1	He	0.005852	40.2	86.667
Ag	107	1	He	2.232251	80.0	45206.517
Cd	111	1	He	0.001075	73.3	6.613
Sn	118	1	He	0.119003	2.2	1320.060
Sb	121	1	He	0.001340	122.6	93.333
Ba	138	1	He	0.859861	0.5	28627.697
Pt	195	1	He	0.004320	85.4	130.003
Hg	202	1	He	0.006589	85.2	106.667
Tl	205	1	He	-0.007262		318.340
Pb	206	1	He	0.009653	28.7	228.333
Pb	207	1	He	0.007643	56.7	918.367
Pb	208	1	He	0.009260	15.6	1636.710
Bi	209	1	He	-0.000660		1316.753
Th	232	1	He	0.000562	48.7	85.000
U	238	1	He	0.001468	79.9	175.003

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.63570943	794363.730
Sc	45	2	H2	74.22705277	4974824.500
Ge	72	1	He	71.52409863	484319.323
Ge	72	2	H2	73.78996117	1338441.793
In	115	1	He	77.45181218	5645767.340
Tb	159	1	He	82.05259947	13286136.883
Ir	193	1	He	80.83740106	6319239.073

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	316_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 05:04:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	73.406492	5.9	42035.043
Be	9	2	H2	73.719153	5.2	35959.373
B	11	2	H2	69.176353	4.8	37655.103
Na	23	1	He	2002.011213	2.2	2812183.083
Mg	24	1	He	1976.240115	2.9	1537465.913
Al	27	1	He	1919.111012	1.6	807565.937
Si	28	2	H2	946.607135	6.0	3146172.000
K	39	1	He	2049.555684	1.5	2465469.753
Ca	43	1	He	1927.917079	2.2	6856.570
Ca	44	1	He	1967.383083	1.0	117183.573
Ti	47	1	He	75.899432	2.5	28946.977
V	51	1	He	80.532811	1.5	725367.563
Cr	52	1	He	80.627726	1.7	870000.290
Mn	55	1	He	82.109539	1.2	669781.250
Fe	56	1	He	1021.943706	2.2	10089031.333
Co	59	1	He	80.956582	1.2	1289605.163
Ni	60	1	He	81.579120	1.5	318691.323
Cu	63	1	He	83.395361	1.3	838120.980
Zn	66	1	He	79.670290	1.0	165165.327
As	75	1	He	77.378656	1.2	131460.393
Se	78	2	H2	76.259763	1.8	64761.860
Sr	88	1	He	73.537413	1.1	1105014.800
Mo	95	1	He	80.766531	1.9	507014.407
Pd	105	1	He	75.473615	0.3	723836.993
Ag	107	1	He	40.048039	5.7	766345.923
Cd	111	1	He	75.935074	0.8	276274.097
Sn	118	1	He	75.388068	1.4	720199.183
Sb	121	1	He	72.377788	0.6	902126.157
Ba	138	1	He	77.847073	1.7	2504804.023
Pt	195	1	He	76.158316	1.3	912054.543
Hg	202	1	He	3.469894	1.0	21017.393
Tl	205	1	He	40.001547	1.9	1750482.370
Pb	206	1	He	79.007844	1.6	1173981.780
Pb	207	1	He	82.520795	2.0	1024499.827
Pb	208	1	He	80.882744	2.4	4740132.507
Bi	209	1	He	83.943055	2.4	3871539.217
Th	232	1	He	77.595963	0.3	5138633.047
U	238	1	He	75.375619	0.5	5105661.483

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.60180451	772120.397
Sc	45	2	H2	71.64818468	4801984.333
Ge	72	1	He	70.85862024	479813.093
Ge	72	2	H2	72.33296661	1312014.047
In	115	1	He	74.56274031	5435171.523
Tb	159	1	He	79.67531318	12901201.473
Ir	193	1	He	79.46385527	6211865.950

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	317_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 05:08:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.003682	221.7	46.833
Be	9	2	H2	0.022116	6.6	14.167
B	11	2	H2	-1.379362		1363.417
Na	23	1	He	0.478528	25.5	13391.583
Mg	24	1	He	-1.400080		1455.070
Al	27	1	He	1.106462	4.5	645.677
Si	28	2	H2	0.822843	112.0	10715.033
K	39	1	He	21.811038	13.8	119455.580
Ca	43	1	He	3.439263	33.1	19.780
Ca	44	1	He	2.546835	28.9	284.513
Ti	47	1	He	0.013050	44.2	7.333
V	51	1	He	-0.049193		-1733.967
Cr	52	1	He	-0.003659		370.010
Mn	55	1	He	-0.009913		604.680
Fe	56	1	He	0.216202	21.8	14670.640
Co	59	1	He	0.002785	61.3	120.000
Ni	60	1	He	-0.138358		107.333
Cu	63	1	He	0.003249	147.3	266.000
Zn	66	1	He	0.060410	14.4	289.333
As	75	1	He	0.008787	66.1	213.333
Se	78	2	H2	0.028987	42.4	34.000
Sr	88	1	He	0.010952	27.4	343.340
Mo	95	1	He	0.045881	20.5	301.673
Pd	105	1	He	0.005072	13.6	76.667
Ag	107	1	He	1.278798	63.3	25215.293
Cd	111	1	He	0.003828	19.2	16.577
Sn	118	1	He	0.031527	21.0	440.010
Sb	121	1	He	0.011311	39.4	216.670
Ba	138	1	He	0.006613	29.2	335.010
Pt	195	1	He	0.002808	60.7	106.667
Hg	202	1	He	0.022588	44.1	196.670
Tl	205	1	He	0.042118	17.8	2440.213
Pb	206	1	He	0.008735	46.5	205.000
Pb	207	1	He	-0.000573		778.367
Pb	208	1	He	0.006298	28.1	1395.043
Bi	209	1	He	0.005115	16.8	1523.443
Th	232	1	He	0.009794	21.2	690.023
U	238	1	He	0.006297	10.1	496.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.48551715	770848.647
Sc	45	2	H2	65.63562730	4399012.417
Ge	72	1	He	70.00689668	474045.720
Ge	72	2	H2	65.73052674	1192255.460
In	115	1	He	75.25817567	5485864.543
Tb	159	1	He	78.59088032	12725607.727
Ir	193	1	He	79.03035992	6177978.657

Prep Log Report

Batch Information: MPRP 812968 6020BS

Template Version: ENV-EPL-MIN4-0015-Rev.00 (13Dec2020)

Prep Method	EPA 3050B	Analysis Method	EPA 6020B	Prepared By	NJ1	Instrument	10BALU
Block ID	10MET04	Thermometer ID	210354350	Correction Factor (C)	0.6	Block Temp (C)	91.4
Corrected Temp. (C)	92.00	Digestion Start Date/Time	05/04/2022 14:05:20:345	Digestion End Date/Time	05/04/2022 16:09:33:772	Block End Temp (C)	96.5
Corrected End Temp. (C)	97.10	Digestion Vessel	360406	Resin Pellets Solid Matrix	344615	Metals Pipette 1	Q765
Metals Pipette 2		Bottle Disp. 1	Q791	Bottle Disp. 2	Q814	Bottle Disp. 3	Q452
Reviewed By	HTV	Reviewed By Date	05/04/2022 17:57	Batch Notes	Weighed by DJM.		

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Matrix	Initial Weight (g)	Conc. HNO3 (mL)	H2O2 (mL)	Conc. HCL (mL)	Final Volume (mL)	Sample Notes	Hg-SPK (mL)	METALS-STK1 (mL)	METALS-STK2 (mL)
6020BS_P	BLANK	**4310659**	Solid	1.01	364107 (7.5)	332176 (2.5)	363604 (5)	50				
6020BS_P	LCS	**4310660**	Solid	1.02	364107 (7.5)	332176 (2.5)	363604 (5)	50		363145 (.25)	343315 (.5)	343316 (.5)
6020BS_P	PS	**10606560001**	Solid	1.05	364107 (7.5)	332176 (2.5)	363604 (5)	50				
6020BS_P	PS	**10606560002**	Solid	1.05	364107 (7.5)	332176 (2.5)	363604 (5)	50				
6020BS_P	RQS	**10606560003**	Solid	1	364107 (7.5)	332176 (2.5)	363604 (5)	50				
6020BS_P	MS	**4310661**	Solid	1.01	364107 (7.5)	332176 (2.5)	363604 (5)	50		363145 (.25)	343315 (.5)	343316 (.5)
6020BS_P	MSD	**4310662**	Solid	1.04	364107 (7.5)	332176 (2.5)	363604 (5)	50		363145 (.25)	343315 (.5)	343316 (.5)
6020BS_P	PS	**10606565001**	Solid	1.03	364107 (7.5)	332176 (2.5)	363604 (5)	50				
6020BS_P	PS	**10606565002**	Solid	1.08	364107 (7.5)	332176 (2.5)	363604 (5)	50				
6020BS_P	PS	**10606565003**	Solid	1.09	364107 (7.5)	332176 (2.5)	363604 (5)	50				
6020BS_P	PS	**10606565004**	Solid	1.05	364107 (7.5)	332176 (2.5)	363604 (5)	50				
6020BS_P	PS	**10606565005**	Solid	1.1	364107 (7.5)	332176 (2.5)	363604 (5)	50				
6020BS_P	PS	**10606565006**	Solid	1.01	364107 (7.5)	332176 (2.5)	363604 (5)	50				

Standard Notes:

343315: ZPACEMN-116 (MIX 1)

343316: ZPACEMN-106

363145: Intermediate Spike for ICPMS Soil

10606560
673 of 710
737 of 10

SAMPLE NO.

BNSF-L320-042922-0-2

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Lab Sample ID: 10606560001 Percent Moisture: 23.4

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury	0.016	J	mg/kg	1	05/19/2022 11:52

SAMPLE NO.

BNSF-I120-042922-0-6

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Lab Sample ID: 10606560002 Percent Moisture: 35.8

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury	0.016	J	mg/kg	1	05/19/2022 11:54

SAMPLE NO.

BNSF-BG20-042922-0-10

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Lab Sample ID: 10606560003 Percent Moisture: 32.6

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury	0.012	J	mg/kg	1	05/19/2022 11:56

FORM II INORGANIC-1

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Initial Calibration Verification Source: 366885

Continuing Calibration Verification Source: 366885

Concentration Units: ug/L Instrument ID: 10HG09

	Initial Calibration Verification				Continuing Calibration Verification						
	05/19/2022 10:06				05/19/2022 10:23			05/19/2022 11:30			Control Limit
Analyte	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	
Mercury	5.0	4.9	97.6	90-110	5.0	4.9	97.6	5.0	4.8	95.2	90-110

FORM II INORGANIC-2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Initial Calibration Verification Source:

Continuing Calibration Verification Source: 366885

Concentration Units: ug/L Instrument ID: 10HG09

	Continuing Calibration Verification						
	05/19/2022 11:46			05/19/2022 12:02			Control Limit
Analyte	True	Found	%R	True	Found	%R	
Mercury	5.0	4.9	97.8	5.0	4.9	97.2	90-110

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

CRDL Check Standard Source: 366880 Analysis Date/Time: 05/19/2022 10:09

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Mercury	0.2	0.18	90.0	70-130

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

CRDL Check Standard Source: 366489,366880 Analysis Date/Time: 05/19/2022 11:44

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Mercury	0.2	0.21	105.0	70-130

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract : D3593500

Method Blank Matrix: Solid Instrument ID: 10HG09

Method Blank Concentration Units: mg/kg

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Method Blank	
	05/19/2022 10:07	C	05/19/2022 10:25	C	05/19/2022 11:31	C	05/19/2022 11:48	C	4310667	C
Mercury	0.087	U	0.087	U	0.087	U	0.087	U	ND	U

FORM III INORGANIC-2

BLANKS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract : D3593500

Method Blank Matrix: Instrument ID: 10HG09

Method Blank Concentration Units:

Analyte	Initial Calibration Blank		Continuing Calibration Blank (ug/L)					
		C	05/19/2022 12:04	C		C		C
Mercury			0.087	U				

SAMPLE NO.

4310669MS

FORM V INORGANIC-1

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Matrix: Solid Basis: Dry Parent Sample ID: BNSF-BG20-042922-0-10

Percent Moisture: 32.6

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Mercury	mg/kg	80-120	0.66	0.012J	0.65	100

SAMPLE NO.

4310670MSD

FORM V INORGANIC-2

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Matrix: Solid Basis: Dry Parent Sample ID: BNSF-BG20-042922-0-10

Percent Moisture: 32.6

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Mercury	mg/kg	80-120	0.67	0.012J	0.65	102

SAMPLE NO.

4310670MSD

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Matrix: Solid Concentration Units: mg/kg

Percent Moisture: 32.6 Basis: Dry

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Mercury	20	0.66	0.67	2

SAMPLE NO.

4310668LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Matrix: Solid

Analyte	Units	True	Found	%R	Limits	
Mercury	mg/kg	0.46	0.48	104	80	120

FORM IX INORGANIC-1
INSTRUMENT DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Preparation Method: None Instrument ID: 10HG09

Concentration Units: ug/L

Analyte	PQL	IDL	IDL Date
Mercury	0.20	0.087	03/30/2021

FORM IX INORGANIC-2
METHOD DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Preparation Method: EPA 7471B Instrument ID: 10HG09

Concentration Units: mg/kg

Analyte	PQL	MDL	MDL Date
Mercury	0.020	0.0087	03/30/2021

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Preparation Method: EPA 7471B Batch: MERP 37107

Lab Sample ID	Sample Name	Preparation Date	Initial Weight (g)	Final Volume (mL)
4310667	4310667	05/04/2022	0.357	30
4310668	4310668	05/04/2022	0.327	30
4310669	4310669	05/04/2022	0.341	30
4310670	4310670	05/04/2022	0.343	30
10606560001	BNSF-L320-042922-0-2	05/04/2022	0.339	30
10606560002	BNSF-I120-042922-0-6	05/04/2022	0.36	30
10606560003	BNSF-BG20-042922-0-10	05/04/2022	0.326	30

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Instrument ID: 10HG09 Analysis Method: EPA 7471B

Start Date: 05/19/2022 09:52 End Date: 05/19/2022 12:04

Sample Name	Lab Sample ID	D/F	Date	Time	Hg
30015984CAL0	30015984CAL0	1	05/19/2022	09:52	X
30015985CAL1	30015985CAL1	1	05/19/2022	09:54	X
30015986CAL2	30015986CAL2	1	05/19/2022	09:55	X
30015987CAL3	30015987CAL3	1	05/19/2022	09:57	X
30015988CAL4	30015988CAL4	1	05/19/2022	09:59	X
30015989CAL5	30015989CAL5	1	05/19/2022	10:00	X
30015990ICV	30015990ICV	1	05/19/2022	10:06	X
30015991ICB	30015991ICB	1	05/19/2022	10:07	X
30015992CRDL	30015992CRDL	1	05/19/2022	10:09	X
30015995CCV	30015995CCV	1	05/19/2022	10:23	X
30015996CCB	30015996CCB	1	05/19/2022	10:25	X
30019872CCV	30019872CCV	1	05/19/2022	11:30	X
30019873CCB	30019873CCB	1	05/19/2022	11:31	X
30019874CRDL	30019874CRDL	1	05/19/2022	11:44	X
30019875CCV	30019875CCV	1	05/19/2022	11:46	X
30019876CCB	30019876CCB	1	05/19/2022	11:48	X
4310667BLANK	4310667	1	05/19/2022	11:49	X
4310668LCS	4310668	1	05/19/2022	11:51	X
BNSF-L320-042922-0-2	10606560001	1	05/19/2022	11:52	X
BNSF-I120-042922-0-6	10606560002	1	05/19/2022	11:54	X
BNSF-BG20-042922-0-10	10606560003	1	05/19/2022	11:56	X
4310669MS	4310669	1	05/19/2022	11:57	X
4310670MSD	4310670	1	05/19/2022	11:59	X
30019877CCV	30019877CCV	1	05/19/2022	12:02	X
30019878CCB	30019878CCB	1	05/19/2022	12:04	X

Report Generated By Teledyne Leeman QuickTrace

Analyst: 10metalsuser,LENA WIGER

Worksheet file: C:\Users\Public\Documents\Teledyne CETAC\QuickTrace\Worksheets\19MAY22SOLIDS10HG09.wszf

Creation Date: 5/19/2022 9:42:53 AM

Comment: EPA 7471/7471B

Results

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
Calibration Blank	STD	05/19/22 09:52:31 am	0.00	360	4.97			1.0000	N/A
Replicates	355.7	359.1	383.4	340.1					
Standard #1 (0.2 ug/L)	STD	05/19/22 09:54:08 am	0.20	1876	0.36	-3.33%		1.0000	N/A
Replicates	1883.2	1877.0	1866.8	1877.5					
Standard #2 (1 ug/L)	STD	05/19/22 09:55:45 am	1.00	8160	0.20	-1.38%		1.0000	N/A
Replicates	8141.7	8152.1	8165.6	8179.4					
Standard #3 (3 ug/L)	STD	05/19/22 09:57:22 am	3.00	24631	0.25	2.15%		1.0000	N/A
Replicates	24550.2	24626.2	24698.2	24648.5					
Standard #4 (5 ug/L)	STD	05/19/22 09:59:00 am	5.00	39522	0.17	-1.13%		1.0000	N/A
Replicates	39421.2	39553.3	39550.8	39562.6					
Standard #5 (10 ug/L)	STD	05/19/22 10:00:38 am	10.00	79678	0.41	0.10%		1.0000	N/A
Replicates	79236.2	79655.2	79812.5	80007.2					

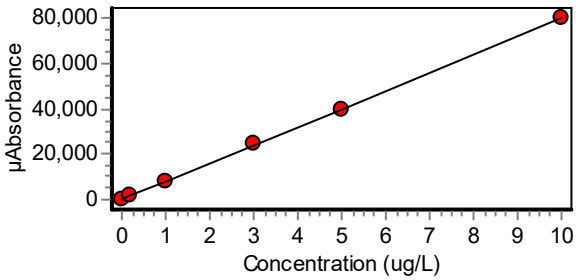
Calibration

Equation: Abs = 7925.164x + 343.805

R2: 0.99990 RSE: 2.51%

SEE: 347.7650

Flags:



ICV	ICV	05/19/22 10:06:19 am	4.88	39030	0.28			1.0000	97.63
Replicates	38892.9	39021.6	39048.6	39158.1					
ICB	ICB	05/19/22 10:07:58 am	0.00	337	321.80			1.0000	N/A
Replicates	356.0	317.8	321.3	354.5					
CRDL	CRDL	05/19/22 10:09:35 am	0.18	1755	1.50			1.0000	89.03
Replicates	1727.6	1748.8	1771.8	1771.3					
4322608_43684	UNK	05/19/22 10:12:30 am	0.02	463	14.06			1.0000	N/A
Replicates	475.4	449.3	448.3	480.1					
4322609_43684	UNK	05/19/22 10:14:07 am	5.19	41457	0.10			1.0000	N/A
Replicates	41401.0	41483.6	41447.9	41493.9					
92604256001_43684	UNK	05/19/22 10:15:43 am	0.16	1639	0.67			1.0000	N/A
Replicates	1649.4	1632.4	1643.4	1631.7					
4322610_43684	UNK	05/19/22 10:17:20 am	5.31	42418	0.21			1.0000	N/A
Replicates	42294.3	42496.7	42466.0	42415.2					

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual Flags	DF	% Recovery
4322611_43684					UNK	05/19/22 10:18:57 am	5.27	42075	0.16		1.0000	N/A
	Replicates	41975.9	42103.0	42099.2	42122.2							
92604256002_43684					UNK	05/19/22 10:20:34 am	0.45	3874	0.25		1.0000	N/A
	Replicates	3869.6	3863.1	3880.3	3881.8							
CRDL					CRDL	05/19/22 10:22:11 am	0.18	1789	1.98		1.0000	91.19
	Replicates	1755.8	1808.6	1816.9	1775.6							
CCV					CCV	05/19/22 10:23:50 am	4.88	39008	0.48		1.0000	97.57
	Replicates	38753.8	38988.8	39121.3	39168.0							
CCB					CCB	05/19/22 10:25:28 am	0.00	339	281.65		1.0000	N/A
	Replicates	319.2	340.2	344.7	351.4							
4322612_43705					UNK	05/19/22 10:27:06 am	0.03	615	5.51		1.0000	N/A
	Replicates	604.0	623.0	600.8	631.8							
4322613_43705					UNK	05/19/22 10:28:43 am	5.05	40362	0.15		1.0000	N/A
	Replicates	40273.7	40392.7	40370.7	40409.7							
10608219001_43705					UNK	05/19/22 10:30:20 am	0.11	1201	2.92		1.0000	N/A
	Replicates	1223.1	1165.7	1201.2	1212.9							
4322614_43705					UNK	05/19/22 10:31:58 am	5.30	42382	0.89		1.0000	N/A
	Replicates	42869.7	42476.0	42125.5	42056.8							
4322615_43705					UNK	05/19/22 10:33:36 am	5.09	40717	0.61		1.0000	N/A
	Replicates	40377.5	40686.0	40889.8	40913.0							
10608219002_43705					UNK	05/19/22 10:35:14 am	0.13	1355	1.04		1.0000	N/A
	Replicates	1341.5	1359.7	1353.5	1366.2							
10608219003_43705					UNK	05/19/22 10:36:50 am	0.12	1296	2.61		1.0000	N/A
	Replicates	1270.0	1283.5	1327.2	1302.7							
10608219004_43705					UNK	05/19/22 10:38:54 am	0.26	2382	1.11		1.0000	N/A
	Replicates	2411.1	2371.7	2387.7	2358.7							
CCV					CCV	05/19/22 10:40:32 am	4.88	38991	2.37		1.0000	97.53
	Replicates	40278.0	38986.2	38193.9	38507.7							
CCB					CCB	05/19/22 10:42:11 am	0.01	409	18.31		1.0000	N/A
	Replicates	416.3	408.4	418.9	392.4							
10608319001_43705					UNK	05/19/22 10:43:48 am	0.15	1539	1.96		1.0000	N/A
	Replicates	1517.5	1527.8	1571.6	1538.3							
10608319002_43705					UNK	05/19/22 10:45:25 am	0.09	1063	1.35		1.0000	N/A
	Replicates	1068.2	1048.6	1069.1	1066.1							
10608319003_43705					UNK	05/19/22 10:47:02 am	0.40	3484	1.12		1.0000	N/A
	Replicates	3448.3	3458.5	3514.3	3513.8							
10608319004_43705					UNK	05/19/22 10:48:39 am	0.30	2738	0.48		1.0000	N/A
	Replicates	2736.6	2740.5	2723.3	2751.0							

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual Flags	DF	% Recovery
10608319005_43705	UNK	05/19/22 10:50:16 am	1.81	14673	0.10		1.0000	N/A
Replicates	14659.8	14671.4	14668.4	14693.7				
10608319006_43705	UNK	05/19/22 10:51:53 am	0.49	4264	0.74		1.0000	N/A
Replicates	4250.8	4229.7	4285.2	4290.7				
10608319007_43705	UNK	05/19/22 10:53:31 am	0.30	2706	0.67		1.0000	N/A
Replicates	2693.0	2691.8	2715.3	2723.0				
10608319008_43705	UNK	05/19/22 10:55:08 am	0.61	5139	0.22		1.0000	N/A
Replicates	5126.6	5145.1	5134.1	5149.8				
CCV	CCV	05/19/22 10:56:47 am	4.75	37995	1.66		1.0000	95.02
Replicates	38924.0	37745.1	37581.1	37727.9				
CCB	CCB	05/19/22 10:58:26 am	0.01	423	17.00		1.0000	N/A
Replicates	414.9	438.1	409.3	431.3				
10608319009_43705	UNK	05/19/22 11:00:04 am	0.12	1279	1.20		1.0000	N/A
Replicates	1280.7	1284.4	1288.7	1263.2				
10608319010_43705	UNK	05/19/22 11:01:42 am	0.09	1071	1.63		1.0000	N/A
Replicates	1081.3	1055.0	1078.5	1069.2				
10608319011_43705	UNK	05/19/22 11:03:18 am	0.20	1930	1.67		1.0000	N/A
Replicates	1909.7	1965.4	1933.9	1909.2				
10608319012_43705	UNK	05/19/22 11:04:55 am	0.12	1286	1.44		1.0000	N/A
Replicates	1295.3	1289.0	1293.0	1265.8				
10608319013_43705	UNK	05/19/22 11:06:31 am	0.08	1001	1.32		1.0000	N/A
Replicates	997.4	1009.3	990.3	1006.3				
10608319014_43705	UNK	05/19/22 11:08:08 am	0.10	1168	1.41		1.0000	N/A
Replicates	1164.2	1159.2	1185.5	1164.7				
CRDL	CRDL	05/19/22 11:09:45 am	0.21	2023	0.68		1.0000	105.92
Replicates	2024.6	2006.8	2025.1	2034.1				
CCV	CCV	05/19/22 11:11:24 am	4.91	39278	0.33		1.0000	98.26
Replicates	39093.9	39327.0	39381.5	39310.5				
CCB	CCB	05/19/22 11:13:02 am	0.01	400	27.39		1.0000	N/A
Replicates	378.4	401.6	408.3	413.6				
4322620_43706	UNK	05/19/22 11:14:39 am	0.04	696	4.94		1.0000	N/A
Replicates	703.2	672.1	694.6	712.9				
4322621_43706	UNK	05/19/22 11:16:16 am	5.11	40844	1.88		1.0000	N/A
Replicates	39791.7	40772.3	41443.0	41367.3				
10608062001Dx20_43706	UNK	05/19/22 11:17:54 am	0.18	1740	0.49		1.0000	N/A
Replicates	1729.9	1742.5	1745.8	1739.8				
10608062001_43706	UNK	05/19/22 11:20:24 am	4.05	32409	0.22		1.0000	N/A
Replicates	32334.8	32364.7	32455.9	32482.4				

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
4322622_43706				UNK	05/19/22 11:22:02 am	6.90	55013	0.56			1.0000	N/A
Replicates	54604.5	55006.0	55340.5	55102.0								
4322623_43706				UNK	05/19/22 11:23:39 am	8.31	66200	0.22			1.0000	N/A
Replicates	66019.1	66215.7	66197.9	66367.2								
10608092001Dx20_43706				UNK	05/19/22 11:25:17 am	-0.03	91	5.34			1.0000	N/A
Replicates	80.7	102.0	77.8	103.0								
10608092002Dx20_43706				UNK	05/19/22 11:26:54 am	-0.03	120	3.55			1.0000	N/A
Replicates	110.9	127.0	126.3	115.8								
CRDL				CRDL	05/19/22 11:28:32 am	0.20	1960	0.99			1.0000	101.94
Replicates	1944.6	1960.4	1951.6	1981.4								
CCV				CCV	05/19/22 11:30:10 am	4.76	38102	0.56			1.0000	95.29
Replicates	37805.3	38100.4	38242.6	38261.6								
CCB				CCB	05/19/22 11:31:49 am	0.01	417	8.72			1.0000	N/A
Replicates	423.1	414.6	409.6	422.1								
4322628_43686				UNK	05/19/22 11:33:27 am	0.03	554	4.28			1.0000	N/A
Replicates	552.4	557.0	564.5	543.0								
4322629_43686				UNK	05/19/22 11:35:04 am	5.23	41766	0.39			1.0000	N/A
Replicates	41675.6	41645.1	41744.1	41999.3								
10608351001_43686				UNK	05/19/22 11:36:40 am	0.17	1675	0.95			1.0000	N/A
Replicates	1659.6	1678.9	1670.7	1689.4								
4322630_43686				UNK	05/19/22 11:38:17 am	5.37	42888	0.17			1.0000	N/A
Replicates	42797.6	42940.3	42956.1	42857.6								
4322631_43686				UNK	05/19/22 11:39:54 am	5.33	42606	0.18			1.0000	N/A
Replicates	42492.8	42623.1	42655.4	42654.6								
10608351002_43686				UNK	05/19/22 11:41:31 am	0.23	2165	0.78			1.0000	N/A
Replicates	2162.9	2148.4	2166.1	2183.1								
10608351003_43686				UNK	05/19/22 11:43:08 am	0.23	2190	0.80			1.0000	N/A
Replicates	2204.0	2186.3	2170.3	2197.8								
CRDL				CRDL	05/19/22 11:44:45 am	0.21	1971	0.87			1.0000	102.66
Replicates	1950.7	1979.8	1981.5	1971.8								
CCV				CCV	05/19/22 11:46:24 am	4.89	39076	0.34			1.0000	97.74
Replicates	38892.4	39072.6	39147.1	39190.1								
CCB				CCB	05/19/22 11:48:03 am	0.01	393	15.65			1.0000	N/A
Replicates	393.8	395.9	382.2	400.2								
4310667_43574				UNK	05/19/22 11:49:40 am	0.03	601	9.53			1.0000	N/A
Replicates	571.4	595.4	629.9	609.1								
4310668_43574				UNK	05/19/22 11:51:18 am	5.22	41746	0.23			1.0000	N/A
Replicates	41634.9	41841.9	41807.4	41699.7								

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual Flags	DF	% Recovery
10606560001_43574	UNK	05/19/22 11:52:55 am	0.14	1480	1.31		1.0000	N/A
Replicates	1482.7	1494.1	1459.1	1484.6				
10606560002_43574	UNK	05/19/22 11:54:33 am	0.12	1310	1.08		1.0000	N/A
Replicates	1312.5	1320.5	1311.0	1295.5				
10606560003_43574	UNK	05/19/22 11:56:11 am	0.09	1073	3.00		1.0000	N/A
Replicates	1051.8	1096.4	1057.6	1087.1				
4310669_43574	UNK	05/19/22 11:57:49 am	5.07	40530	0.29		1.0000	N/A
Replicates	40394.8	40660.5	40581.2	40484.7				
4310670_43574	UNK	05/19/22 11:59:26 am	5.20	41587	0.09		1.0000	N/A
Replicates	41554.3	41594.7	41560.7	41638.9				
10606565001_43574	UNK	05/19/22 12:01:03 pm	0.11	1242	3.05		1.0000	N/A
Replicates	1201.3	1255.0	1251.3	1260.5				
CCV	CCV	05/19/22 12:02:41 pm	4.86	38845	0.35		1.0000	97.16
Replicates	38647.1	38936.6	38873.4	38923.6				
CCB	CCB	05/19/22 12:04:20 pm	0.00	336	102.44		1.0000	N/A
Replicates	337.8	324.9	342.7	339.4				
10606565002_43574	UNK	05/19/22 12:05:57 pm	0.13	1379	1.66		1.0000	N/A
Replicates	1377.2	1403.8	1371.1	1364.6				
10606565003_43574	UNK	05/19/22 12:07:34 pm	0.19	1824	1.08		1.0000	N/A
Replicates	1812.7	1830.3	1844.0	1810.0				
10606565004_43574	UNK	05/19/22 12:09:11 pm	0.23	2168	0.97		1.0000	N/A
Replicates	2166.1	2173.1	2187.3	2144.8				
10606565005_43574	UNK	05/19/22 12:10:48 pm	0.14	1441	1.06		1.0000	N/A
Replicates	1431.7	1450.4	1429.9	1451.4				
10606565006_43574	UNK	05/19/22 12:12:25 pm	0.13	1401	0.84		1.0000	N/A
Replicates	1396.8	1397.1	1396.9	1414.6				
CRDL	CRDL	05/19/22 12:14:03 pm	0.19	1871	1.73		1.0000	96.36
Replicates	1870.7	1871.3	1903.8	1839.0				
CCV	CCV	05/19/22 12:15:41 pm	4.94	39493	0.47		1.0000	98.80
Replicates	39220.6	39546.9	39609.9	39595.9				
CCB	CCB	05/19/22 12:17:20 pm	0.00	313	78.49		1.0000	N/A
Replicates	306.8	329.6	334.4	282.1				
4316296_43657	UNK	05/19/22 12:18:58 pm	-0.04	17	1.28		1.0000	N/A
Replicates	11.8	21.3	19.5	16.0				
10608092001_43706	UNK	05/19/22 12:21:07 pm	0.04	697	2.96		1.0000	N/A
Replicates	708.5	684.2	701.5	693.5				
10608092002_43706	UNK	05/19/22 12:22:45 pm	0.05	735	4.11		1.0000	N/A
Replicates	719.4	722.5	750.5	746.7				

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
4316297_43657				UNK	05/19/22 12:24:23 pm	5.02	40126	0.16			1.0000	N/A
Replicates	40034.9	40153.8	40185.3	40129.5								
10606637001_43657				UNK	05/19/22 12:26:00 pm	-0.03	72	9.94			1.0000	N/A
Replicates	66.1	92.0	93.5	36.0								
4316298_43657				UNK	05/19/22 12:27:38 pm	4.38	35090	1.17			1.0000	N/A
Replicates	34671.8	34815.1	35380.3	35491.6								
4316299_43657				UNK	05/19/22 12:29:16 pm	4.48	35880	1.49			1.0000	N/A
Replicates	35199.2	35719.3	36310.8	36290.8								
10606842001_43657				UNK	05/19/22 12:30:54 pm	-0.05	-69	2.97			1.0000	N/A
Replicates	-60.7	-58.8	-72.5	-85.3								
CRDL				CRDL	05/19/22 12:32:31 pm	0.19	1821	0.69			1.0000	93.20
Replicates	1822.0	1807.8	1822.3	1832.5								
CCV				CCV	05/19/22 12:34:09 pm	4.81	38465	0.48			1.0000	96.20
Replicates	38207.0	38556.6	38628.1	38470.1								
CCB				CCB	05/19/22 12:35:48 pm	0.00	363	111.56			1.0000	N/A
Replicates	341.0	384.5	348.7	376.2								
4323775_43718				UNK	05/19/22 12:37:26 pm	0.04	661	3.31			1.0000	N/A
Replicates	657.1	667.3	648.8	672.3								
4323776_43718				UNK	05/19/22 12:39:04 pm	4.99	39873	0.44			1.0000	N/A
Replicates	39700.7	39772.6	39926.3	40092.1								
10608532001_43718				UNK	05/19/22 12:40:43 pm	0.21	1987	1.18			1.0000	N/A
Replicates	1989.0	2013.2	1977.9	1967.9								
4323777_43718				UNK	05/19/22 12:42:21 pm	5.05	40370	0.28			1.0000	N/A
Replicates	40322.9	40276.3	40350.6	40531.6								
4323778_43718				UNK	05/19/22 12:43:59 pm	5.18	41357	0.27			1.0000	N/A
Replicates	41301.2	41286.6	41316.4	41523.6								
10608532002_43718				UNK	05/19/22 12:45:37 pm	0.28	2536	0.50			1.0000	N/A
Replicates	2528.4	2552.2	2529.7	2533.9								
10608532003_43718				UNK	05/19/22 12:47:15 pm	0.14	1419	2.64			1.0000	N/A
Replicates	1447.5	1416.4	1432.2	1381.2								
10608532004_43718				UNK	05/19/22 12:48:53 pm	0.31	2811	1.07			1.0000	N/A
Replicates	2779.0	2808.5	2812.3	2843.8								
CCV				CCV	05/19/22 12:50:32 pm	4.81	38487	0.35			1.0000	96.26
Replicates	38302.2	38479.3	38577.0	38588.8								
CCB				CCB	05/19/22 12:52:11 pm	0.01	406	59.29			1.0000	N/A
Replicates	380.4	397.6	385.1	459.6								
10608536001_43718				UNK	05/19/22 12:53:49 pm	0.25	2308	1.96			1.0000	N/A
Replicates	2257.8	2299.7	2347.2	2325.4								

Sample Name			Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual Flags	DF	% Recovery
10608536002_43718			UNK	05/19/22 12:55:27 pm	0.06	800	4.17		1.0000	N/A
Replicates	813.5	813.5	773.2	798.0						
10608536003_43718			UNK	05/19/22 12:57:05 pm	0.06	812	4.72		1.0000	N/A
Replicates	783.6	811.0	837.5	815.2						
10608536004_43718			UNK	05/19/22 12:58:43 pm	0.12	1291	0.89		1.0000	N/A
Replicates	1290.2	1281.1	1301.6	1291.8						
10608536005_43718			UNK	05/19/22 01:00:21 pm	0.07	868	1.45		1.0000	N/A
Replicates	869.3	862.0	862.0	878.0						
10608536006_43718			UNK	05/19/22 01:02:00 pm	0.18	1802	0.61		1.0000	N/A
Replicates	1800.4	1790.0	1811.3	1804.5						
10608536007_43718			UNK	05/19/22 01:03:38 pm	0.10	1123	1.70		1.0000	N/A
Replicates	1104.4	1124.4	1127.9	1135.4						
10608536008_43718			UNK	05/19/22 01:05:16 pm	0.24	2217	1.11		1.0000	N/A
Replicates	2192.8	2228.0	2206.3	2239.0						
CRDL			CRDL	05/19/22 01:06:53 pm	0.20	1928	0.91		1.0000	99.97
Replicates	1937.0	1923.9	1942.7	1910.2						
CCV			CCV	05/19/22 01:08:32 pm	4.83	38632	0.40		1.0000	96.62
Replicates	38409.9	38676.0	38749.0	38694.0						
CCB			CCB	05/19/22 01:10:11 pm	0.00	378	53.02		1.0000	N/A
Replicates	399.7	368.3	358.8	386.0						
4323779_43715			UNK	05/19/22 01:11:49 pm	-0.03	100	4.71		1.0000	N/A
Replicates	113.8	95.3	87.3	104.5						
4323780_43715			UNK	05/19/22 01:13:27 pm	4.99	39902	0.21		1.0000	N/A
Replicates	39802.0	39952.4	39988.6	39864.9						
92604347011_43715			UNK	05/19/22 01:15:05 pm	0.02	490	9.23		1.0000	N/A
Replicates	505.5	496.8	476.1	481.8						
4323781_43715			UNK	05/19/22 01:16:43 pm	4.98	39836	0.35		1.0000	N/A
Replicates	39725.5	39746.0	39841.0	40029.7						
4323782_43715			UNK	05/19/22 01:18:22 pm	5.01	40026	0.18		1.0000	N/A
Replicates	39938.8	40074.7	40093.9	39994.9						
92604347012_43715			UNK	05/19/22 01:20:00 pm	-0.01	293	49.37		1.0000	N/A
Replicates	308.1	305.6	256.1	303.6						
CRDL			CRDL	05/19/22 01:21:37 pm	0.19	1859	0.92		1.0000	95.57
Replicates	1858.6	1866.9	1838.9	1869.9						
CCV			CCV	05/19/22 01:23:15 pm	4.71	37676	0.33		1.0000	94.21
Replicates	37500.4	37681.6	37739.6	37780.6						
CCB			CCB	05/19/22 01:24:54 pm	-0.01	301	26.30		1.0000	N/A
Replicates	298.9	296.1	292.6	317.6						

Sample Name		Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual Flags	DF	% Recovery
4323787_43716		UNK	05/19/22 01:26:32 pm	0.04	638	4.45		1.0000	N/A
Replicates	621.9	634.5	644.3	652.3					
4323788_43716		UNK	05/19/22 01:28:10 pm	4.92	39359	0.37		1.0000	N/A
Replicates	39294.1	39224.1	39357.1	39560.4					
10608548002_43716		UNK	05/19/22 01:29:49 pm	0.08	997	0.85		1.0000	N/A
Replicates	998.9	995.7	1003.5	990.2					
4323789_43716		UNK	05/19/22 01:31:27 pm	5.05	40403	0.63		1.0000	N/A
Replicates	40065.1	40367.8	40636.6	40542.8					
4323790_43716		UNK	05/19/22 01:33:05 pm	5.02	40167	0.30		1.0000	N/A
Replicates	39988.5	40200.5	40255.0	40223.0					
10608548004_43716		UNK	05/19/22 01:34:44 pm	0.08	976	2.07		1.0000	N/A
Replicates	987.7	984.5	958.5	974.7					
10608548006_43716		UNK	05/19/22 01:36:22 pm	0.09	1057	1.57		1.0000	N/A
Replicates	1055.0	1051.7	1047.2	1072.7					
10608548008_43716		UNK	05/19/22 01:38:00 pm	0.13	1383	1.43		1.0000	N/A
Replicates	1383.8	1372.4	1373.2	1404.4					
CCV		CCV	05/19/22 01:39:39 pm	4.75	38016	0.46		1.0000	95.07
Replicates	37782.1	37994.3	38121.1	38165.3					
CCB		CCB	05/19/22 01:41:18 pm	0.00	329	14.69		1.0000	N/A
Replicates	325.3	330.1	328.9	329.9					
10608548010_43716		UNK	05/19/22 01:42:56 pm	0.12	1260	1.64		1.0000	N/A
Replicates	1242.4	1274.5	1252.8	1270.0					
10608548012_43716		UNK	05/19/22 01:44:34 pm	0.14	1456	0.66		1.0000	N/A
Replicates	1450.3	1456.4	1450.4	1465.9					
10608548014_43716		UNK	05/19/22 01:46:12 pm	0.01	442	20.08		1.0000	N/A
Replicates	444.8	418.8	466.6	437.8					
CRDL		CRDL	05/19/22 01:47:49 pm	0.21	1973	0.28		1.0000	102.78
Replicates	1968.3	1971.1	1972.9	1979.1					
CCV		CCV	05/19/22 01:49:28 pm	4.91	39229	0.62		1.0000	98.13
Replicates	38874.9	39302.2	39421.2	39318.7					
CCB		CCB	05/19/22 01:51:48 pm	0.00	360	132.46		1.0000	N/A
Replicates	345.7	338.7	383.2	370.7					
4326253_43743		UNK	05/19/22 01:53:24 pm	0.02	536	7.14		1.0000	N/A
Replicates	521.8	538.6	554.1	530.3					
4326254_43743		UNK	05/19/22 01:55:01 pm	5.04	40296	0.30		1.0000	N/A
Replicates	40210.5	40406.5	40389.3	40177.0					
4326255_43743		UNK	05/19/22 01:56:38 pm	4.96	39646	0.34		1.0000	N/A
Replicates	39461.7	39702.7	39771.7	39647.7					

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
10608606001_43743				UNK	05/19/22 01:58:15 pm	0.01	461	6.91			1.0000	N/A
	Replicates	472.9	457.8	454.8	458.3							
BLANK				UNK	05/19/22 01:59:51 pm	0.02	486	4.61			1.0000	N/A
	Replicates	486.4	488.8	492.8	477.3							
CRDL				CRDL	05/19/22 02:01:28 pm	0.19	1841	0.50			1.0000	94.43
	Replicates	1848.5	1832.1	1845.1	1836.6							
CCV				CCV	05/19/22 02:03:07 pm	4.83	38615	0.22			1.0000	96.58
	Replicates	38489.7	38668.5	38651.5	38651.5							
CCB				CCB	05/19/22 02:04:45 pm	0.00	316	40.36			1.0000	N/A
	Replicates	310.8	323.8	301.8	326.0							

Prep Log Report

Batch Information: MERP 812970 7471BS

Template Version: ENV-EPL-MIN4-0028-Rev.00 (13Dec2020)

Prep Method	EPA 7471B	Analysis Method	EPA 7471B	Prepared By	HTV	Instrument	10BALT
Block ID	10MET54	Thermometer ID	210354363	Correction Factor (C)	0.8	Block Temp (C)	93.9
Corrected Temp. (C)	94.70	Digestion Start Date/Time	05/04/2022 16:12:32:014	Digestion End Date/Time	05/04/2022 16:07:02:163	Block End Temp (C)	97.3
Corrected End Temp. (C)	98.10	Digestion Vessel	360406	Resin Pellets Solid Matrix	344615	Metals Pipette 1	Q473
Metals Pipette 2	Q778	Bottle Disp. 1	Q791	Bottle Disp. 2	Q452	Bottle Disp. 3	Q814
Bottle Disp. 4	Q671	Bottle Disp. 5		Reviewed By	NJ1	Reviewed By Date	05/04/2022 17:52
Batch Notes	Weighed by DJM.						

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Matrix	Initial Weight (g)	Aqua Regia (mL)	5% KMnO4 (mL)	12% NH2OH*HCL (mL)	Final Volume (mL)	Sample Notes	MERCURY-SPK (mL)
7471B S_P	BLANK	**4310667**	Solid	0.357	364253 (3)	362590 (9)	363339 (3.6)	30		
7471B S_P	LCS	**4310668**	Solid	0.327	364253 (3)	364250 (9)	363339 (3.6)	30		350870 (.15)
7471B S_P	PS	**10606560001**	Solid	0.339	364253 (3)	364250 (9)	363339 (3.6)	30		
7471B S_P	PS	**10606560002**	Solid	0.36	364253 (3)	364250 (9)	363339 (3.6)	30		
7471B S_P	RQS	**10606560003**	Solid	0.326	364253 (3)	364250 (9)	363339 (3.6)	30		
7471B S_P	MS	**4310669**	Solid	0.341	364253 (3)	364250 (9)	363339 (3.6)	30		350870 (.15)
7471B S_P	MSD	**4310670**	Solid	0.343	364253 (3)	364250 (9)	363339 (3.6)	30		350870 (.15)
7471B S_P	PS	**10606565001**	Solid	0.332	364253 (3)	364250 (9)	363339 (3.6)	30		
7471B S_P	PS	**10606565002**	Solid	0.351	364253 (3)	364250 (9)	363339 (3.6)	30		
7471B S_P	PS	**10606565003**	Solid	0.325	364253 (3)	364250 (9)	363339 (3.6)	30		
7471B S_P	PS	**10606565004**	Solid	0.355	364253 (3)	364250 (9)	363339 (3.6)	30		
7471B S_P	PS	**10606565005**	Solid	0.317	364253 (3)	364250 (9)	363339 (3.6)	30		
7471B S_P	PS	**10606565006**	Solid	0.333	364253 (3)	364250 (9)	363339 (3.6)	30		

Standard Notes:

350870: LCS, MS, MSD Spike Solution

10606560 700 of 710 764 of 10

SAMPLE NO.

BNSF-L320-042922-0-2

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Lab Sample ID: 10606560001 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	23.4		%	1	05/03/2022 12:34

SAMPLE NO.

BNSF-I120-042922-0-6

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Lab Sample ID: 10606560002 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	35.8		%	1	05/03/2022 12:34

SAMPLE NO.

BNSF-BG20-042922-0-10

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Lab Sample ID: 10606560003 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	32.6		%	1	05/03/2022 12:34

SAMPLE NO.

4309419DUP

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Matrix: Solid Concentration Units: %

Percent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Percent Moisture	30	20.6	21.0	2

SAMPLE NO.

4309420DUP

FORM VI INORGANIC-2
DUPLICATES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Matrix: Solid Concentration Units: %

Percent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Percent Moisture	30	32.6	33.2	2

FORM IX INORGANIC-1
METHOD DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Preparation Method: ASTM D2974 Instrument ID: 10BALG

Concentration Units: %

Analyte	PQL	MDL	MDL Date
Percent Moisture	0.10	0.10	01/01/2003

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Preparation Method: ASTM D2974 Batch: MPRP 123959

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
4309419	4309419	05/03/2022	1	1
4309420	4309420	05/03/2022	1	1
10606560001	BNSF-L320-042922-0-2	05/03/2022	1	1
10606560002	BNSF-I120-042922-0-6	05/03/2022	1	1
10606560003	BNSF-BG20-042922-0-10	05/03/2022	1	1

FORM XIII INORGANIC-1

ANALYSIS RUN LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606560 Contract: D3593500

Instrument ID: 10BALG Analysis Method: ASTM D2974

Start Date: 05/03/2022 12:30 End Date: 05/03/2022 12:34

Sample Name	Lab Sample ID	D/F	Date	Time	MOIST
10606437001	10606437001	1	05/03/2022	12:30	X
4309419DUP	4309419	1	05/03/2022	12:31	X
BNSF-L320-042922-0-2	10606560001	1	05/03/2022	12:34	X
BNSF-I120-042922-0-6	10606560002	1	05/03/2022	12:34	X
BNSF-BG20-042922-0-10	10606560003	1	05/03/2022	12:34	X
4309420DUP	4309420	1	05/03/2022	12:34	X

Prep Log Report

Batch Information: MPRP 812703 DW

Template Version: ENV-EPL-MIN4-0033-Rev.00 (13Dec2020)

Analysis Method	ASTM D2974	Analyzed By	JL5	Instrument	10BALG	Oven ID	10MET52
Acceptance Range	100-110 C	Thermometer ID	V79006	Oven Correction Factor (C)	0	Oven Temp In1 (C) | Corr | Date/Time | Init	105.0 | 105.0 | 05/03/2022 14:59 | JL5
Oven Temp Out1 (C) | Corr | Date/Time | Init	104.0 | 104.0 | 05/04/2022 10:51 | JL5	Desic. In 1 ID | Date/Time | Init	10WET20 | 05/04/2022 10:02 | JL5	Desic. Out 1 Date/Time | Init	05/04/2022 10:32 | JL5	Reviewed By	CR2
Reviewed By Date	05/04/2022 11:52	Batch Notes					

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	ID	TS Posted (%)	Percent Moisture	Run Date/Time	Posted Dry Weight /w Dish (g)	Dish Weight (g)	Wet Weight /w Dish (g)	Dry Weight 1 (g)	Dry Wt Use 1	Sample Notes
DRY WEIGHT	PS	**10606437001**	Y		79.38	20.62	05/03/2022 12:30:50	6.8245	1.2987	8.2596	6.8245	M	
DRY WEIGHT	DUP	**4309419**	Y		78.98	21.02	05/03/2022 12:31:01	6.8981	1.296	8.3895	6.8981	M	
DRY WEIGHT	PS	**10606437002**	Y		70.01	29.99	05/03/2022 12:31:12	6.0003	1.2985	8.0142	6.0003	M	
DRY WEIGHT	PS	**10606438001**	Y		78.01	21.99	05/03/2022 12:31:23	5.9035	1.2975	7.2017	5.9035	M	
DRY WEIGHT	PS	**10606438002**	Y		76.01	23.99	05/03/2022 12:31:35	6.8192	1.3002	8.5608	6.8192	M	
DRY WEIGHT	PS	**10606438003**	Y		82.21	17.79	05/03/2022 12:31:51	7.9976	1.2998	9.4471	7.9976	M	
DRY WEIGHT	PS	**10606459001**	Y		80.58	19.42	05/03/2022 12:32:03	6.3816	1.3024	7.6059	6.3816	M	
DRY WEIGHT	PS	**10606459002**	Y		79.14	20.86	05/03/2022 12:32:15	6.6946	1.3063	8.1151	6.6946	M	
DRY WEIGHT	PS	**10606459003**	Y		82.12	17.88	05/03/2022 12:32:25	7.266	1.3021	8.5644	7.266	M	
DRY WEIGHT	PS	**10606459004**	Y		82.07	17.93	05/03/2022 12:32:35	6.6221	1.3052	7.7837	6.6221	M	
DRY WEIGHT	PS	**10606459005**	Y		83.53	16.47	05/03/2022 12:32:44	7.4292	1.3012	8.6374	7.4292	M	
DRY WEIGHT	PS	**10606461001**	Y		81.65	18.35	05/03/2022 12:32:55	6.8655	1.3017	8.1163	6.8655	M	
DRY WEIGHT	PS	**10606461002**	Y		83.35	16.65	05/03/2022 12:33:05	7.3705	1.3069	8.5817	7.3705	M	
DRY WEIGHT	PS	**10606461003**	Y		82.71	17.29	05/03/2022 12:33:16	8.0997	1.3092	9.5193	8.0997	M	
DRY WEIGHT	PS	**10606461004**	Y		82.81	17.19	05/03/2022 12:33:26	7.2171	1.3001	8.445	7.2171	M	
DRY WEIGHT	PS	**10606461005**	Y		82.55	17.45	05/03/2022 12:33:36	7.5095	1.3029	8.8216	7.5095	M	

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Prep Log Report

QC Rule	Sample Type	Lab Sample ID	Select	ID	TS Posted (%)	Percent Moisture	Run Date/Time	Posted Dry Weight /w Dish (g)	Dish Weight (g)	Wet Weight /w Dish (g)	Dry Weight 1 (g)	Dry Wt Use 1	Sample Notes
DRY WEIGHT	PS	**10606494001**	Y		73.40	26.60	05/03/2022 12:33:47	6.3617	1.2995	8.1965	6.3617	M	
DRY WEIGHT	PS	**10606494002**	Y		75.46	24.54	05/03/2022 12:33:57	6.6289	1.3032	8.3613	6.6289	M	
DRY WEIGHT	PS	**10606560001**	Y		76.57	23.43	05/03/2022 12:34:05	6.9124	1.3008	8.6296	6.9124	M	
DRY WEIGHT	PS	**10606560002**	Y		64.19	35.81	05/03/2022 12:34:17	5.6324	1.3054	8.0463	5.6324	M	
DRY WEIGHT	RQS	**10606560003**	Y		67.40	32.60	05/03/2022 12:34:26	6.1467	1.3023	8.4897	6.1467	M	
DRY WEIGHT	DUP	**4309420**	Y		66.84	33.16	05/03/2022 12:34:37	6.3568	1.3068	8.8618	6.3568	M	

ANALYTICAL REPORT

June 10, 2022

Revised Report

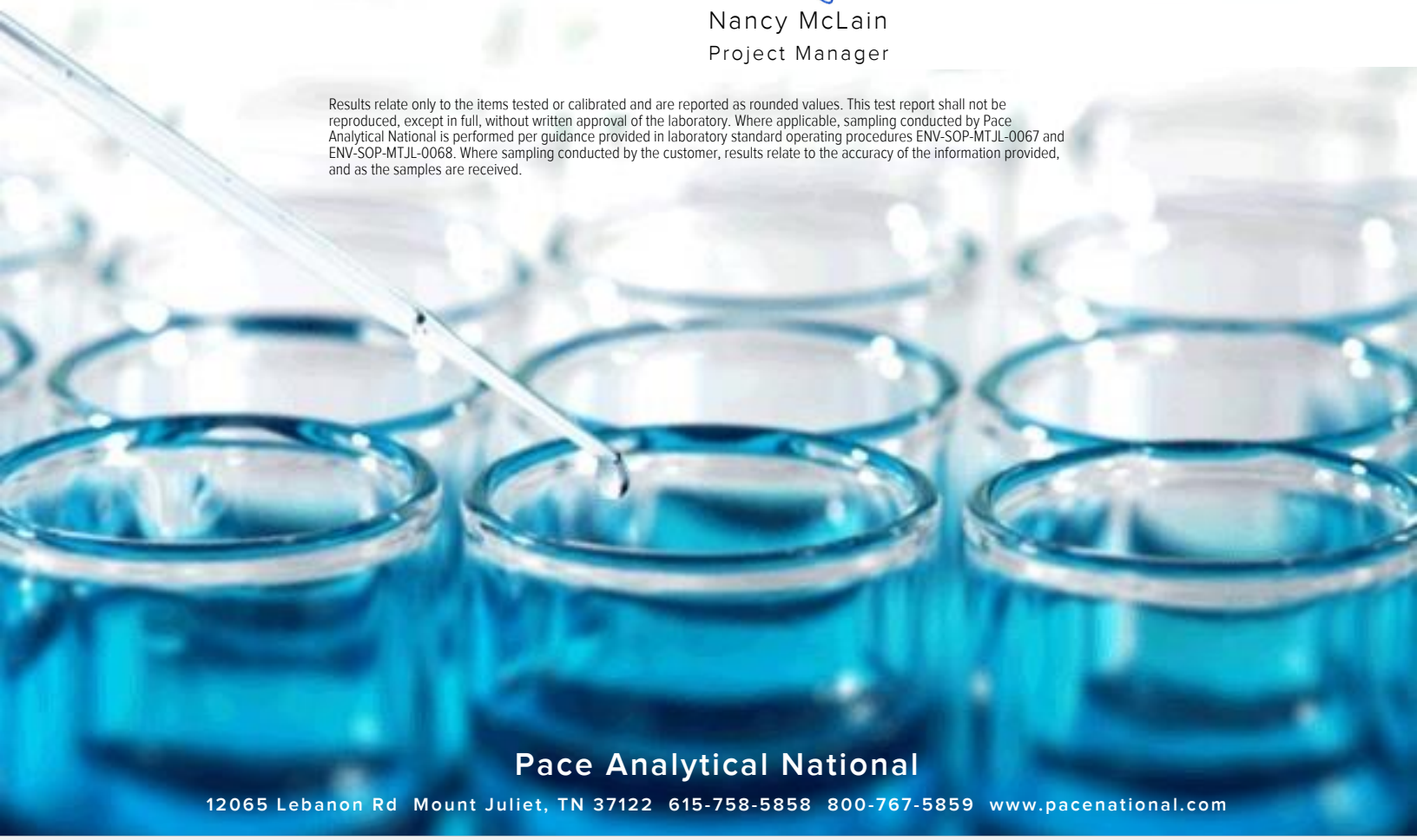
Pace Analytical - Minnesota

Sample Delivery Group:	L1488800
Samples Received:	05/03/2022
Project Number:	10606560
Description:	D3593500
Site:	001
Report To:	Kongmeng Vang 1700 Elm Street Suite 200 Minneapolis, MN 55414

Entire Report Reviewed By:

Nancy McLain
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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2_Phenol 165

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1_Naphthalene 184

2_Naphthalene 185

3_Hydroquinone 186

4_Hydroquinone 187

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1_bis(2-Chloroethyl)ether 192

2_bis(2-Chloroethyl)ether 193

3_Phenol 194

4_Phenol 195

5_Nitrobenzene-d5 196

6_Nitrobenzene-d5 197

7_Hydroquinone 198

8_Hydroquinone 199

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1_Phenol 204

2_Phenol 205

3_Nitrobenzene-d5 206

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BNSF-L320-042922-0-2 L1488800-01 Solid

Collected by	Collected date/time	Received date/time
	04/29/22 10:00	05/03/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1858339	1	05/05/22 06:22	05/05/22 06:27	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9034/9030B	WG1857987	1	05/03/22 12:51	05/05/22 18:00	BMD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1861634	2	05/10/22 22:21	05/11/22 09:07	AGW	Mt. Juliet, TN

BNSF-1120-042922-0-6 L1488800-02 Solid

Collected by	Collected date/time	Received date/time
	04/29/22 10:45	05/03/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1858339	1	05/05/22 06:22	05/05/22 06:27	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9034/9030B	WG1857987	1	05/03/22 12:51	05/05/22 18:00	BMD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1861634	1	05/10/22 22:21	05/11/22 16:01	AGW	Mt. Juliet, TN

BNSF-BG20-042922-0-10 L1488800-03 Solid

Collected by	Collected date/time	Received date/time
	04/29/22 11:25	05/03/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1858339	1	05/05/22 06:22	05/05/22 06:27	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9034/9030B	WG1860960	1	05/05/22 08:00	05/09/22 12:00	BMD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1861634	2	05/10/22 22:21	05/11/22 16:22	AGW	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Nancy McLain
Project Manager

Report Revision History

Level II Report - Version 1: 05/13/22 09:37
Level IV Report - Version 2: 06/01/22 10:21
Level II Report - Version 3: 06/10/22 08:31

Project Narrative

2540 G-2011 Total Solids

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BNSF-L320-042922-0-2

Lab Sample ID:	L1488800-01	**SDG:**	L1488800
Client Sample ID:	BNSF-L320-042922-0-2	**Collected Date/Time:**	04/29/22 10:00
Lab File ID:	09	**Received Date/Time:**	05/03/22 09:30
Instrument ID:	LOGBAL4	**Preparation Date/Time:**	05/05/22 06:22
Analytical Batch:	WG1858339	**Analysis Date/Time:**	05/05/22 06:27
Dilution Factor:	1	**Prep Method:**	SM 2540 G
Analytical Method:	2540 G-2011	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	11.298 g
Total Solids (%):	80.2	**Final Wt/Vol:**	9.315 g

Analyte	CAS	Result	Qualifier
		%	
Total Solids	TSOLIDS	80.2	

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BNSF-1120-042922-0-6

Lab Sample ID:	L1488800-02	**SDG:**	L1488800
Client Sample ID:	BNSF-1120-042922-0-6	**Collected Date/Time:**	04/29/22 10:45
Lab File ID:	10	**Received Date/Time:**	05/03/22 09:30
Instrument ID:	LOGBAL4	**Preparation Date/Time:**	05/05/22 06:22
Analytical Batch:	WG1858339	**Analysis Date/Time:**	05/05/22 06:27
Dilution Factor:	1	**Prep Method:**	SM 2540 G
Analytical Method:	2540 G-2011	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	14.269 g
Total Solids (%):	74.7	**Final Wt/Vol:**	10.985 g

Analyte	CAS	Result	Qualifier
		%	
Total Solids	TSOLIDS	74.7	

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BNSF-BG20-042922-0-10

Lab Sample ID:	L1488800-03	**SDG:**	L1488800
Client Sample ID:	BNSF-BG20-042922-0-10	**Collected Date/Time:**	04/29/22 11:25
Lab File ID:	11	**Received Date/Time:**	05/03/22 09:30
Instrument ID:	LOGBAL4	**Preparation Date/Time:**	05/05/22 06:22
Analytical Batch:	WG1858339	**Analysis Date/Time:**	05/05/22 06:27
Dilution Factor:	1	**Prep Method:**	SM 2540 G
Analytical Method:	2540 G-2011	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	9.713 g
Total Solids (%):	70.4	**Final Wt/Vol:**	7.211 g

Analyte	CAS	Result	Qualifier
		%	
Total Solids	TSOLIDS	70.4	

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3788778-1	**SDG:**	L1488800
Client Sample ID:	BLANK	**Collected Date/Time:**	
Lab File ID:	01	**Received Date/Time:**	
Instrument ID:	LOGBAL4	**Preparation Date/Time:**	05/05/22 06:21
Analytical Batch:	WG1858339	**Analysis Date/Time:**	05/05/22 06:27
Dilution Factor:	1	**Prep Method:**	SM 2540 G
Analytical Method:	2540 G-2011	**Sample Vol Used:**	
Matrix:	Solid	**Initial Wt/Vol:**	1.27 g
Total Solids (%):		**Final Wt/Vol:**	1.271 g

Analyte	CAS	Result	Qualifier
		%	
Total Solids	TSOLIDS	0.00100	

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3788778-3	**SDG:**	L1488800
Client Sample ID:	DUP	**Collected Date/Time:**	04/29/22 14:00
Lab File ID:	02	**Received Date/Time:**	05/03/22 09:30
Instrument ID:	LOGBAL4	**Preparation Date/Time:**	05/05/22 06:21
Analytical Batch:	WG1858339	**Analysis Date/Time:**	05/05/22 06:27
Dilution Factor:	1	**Prep Method:**	SM 2540 G
Analytical Method:	2540 G-2011	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	12.712 g
Total Solids (%):	77.9	**Final Wt/Vol:**	10.345 g

Analyte	CAS	Result	Qualifier
		%	
Total Solids	TSOLIDS	79.3	

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3788778-2	**SDG:**	L1488800
Client Sample ID:	LCS	**Collected Date/Time:**	_____
Lab File ID:	03	**Received Date/Time:**	_____
Instrument ID:	LOGBAL4	**Preparation Date/Time:**	05/05/22 06:21
Analytical Batch:	WG1858339	**Analysis Date/Time:**	05/05/22 06:27
Dilution Factor:	1	**Prep Method:**	SM 2540 G
Analytical Method:	2540 G-2011	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	11.274 g
Total Solids (%):	_____	**Final Wt/Vol:**	6.273 g

Analyte	CAS	Result	Qualifier
		%	
Total Solids	TSOLIDS	50.0	

SDG:	L1488800	**Calibration (begin) date/time:**	_____
Instrument ID:	LOGBAL4	**Calibration (end) date/time:**	_____
Analytical Method:	2540 G-2011	**Analytical Run:**	WG1858339

Sample ID:	**BLANK Result**	**BLANK Qual**
File ID:	01	
Analyte	%	
TOTAL SOLIDS	0.00100	

DUP Sample / File ID:	R3788778-3 / 02	**SDG:**	L1488800
OS Sample / File ID:	L1488686-01 / 07	**Analytical Batch:**	WG1858339
Instrument ID:	LOGBAL4	**Dilution Factor:**	1
Analytical Method:	2540 G-2011	**Matrix:**	Solid

Analyte	OS Result	DUP Result	RPD	RPD Limits
	%	%	%	%
Total Solids	77.9	79.3	1.81	10

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE RECOVERY
L1488800-01,02,03

SAMPLE NO.:
R3788778-2

LCS Sample / File ID:	R3788778-2 / 03	**SDG:**	L1488800
LCSD Sample / File ID:	_____	**Analytical Batch:**	WG1858339
Instrument ID:	LOGBAL4	**Dilution Factor:**	1
Analytical Method:	2540 G-2011	**Matrix:**	Solid

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	RPD	RPD Limits
	%	%		%	%	%	%	%
Total Solids	50.0	50.0		100		85.0 - 115		

*: Value outside the established quality control limits.
D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

DETECTION LIMIT SUMMARY

Lab Sample IDs: L1488800-01,02,03 **Analytical Method:** 2540 G-2011

Matrix: Solid **Prep Method:** SM 2540 G

Analyte	CAS	Wavelength	Mass	MDL	RDL
				%	%
Total Solids	TSOLIDS				

ANALYSIS LOG

SDG:	L1488800	**Analytical Method:**	2540 G-2011
Instrument ID:	LOGBAL4	**Calibration Start Date:**	
Analytical Run:	WG1858339	**Calibration End Date:**	

Client Sample ID	Lab Sample ID	File ID	Analysis Date Time	Dilution	Batch
BLANK	R3788778-1	01	05/05/22 06:27	1	WG1858339
DUP	R3788778-3	02	05/05/22 06:27	1	WG1858339
LCS	R3788778-2	03	05/05/22 06:27	1	WG1858339
OS	L1488686-01	07	05/05/22 06:27		
BNSF-L320-042922-0-2	L1488800-01	09	05/05/22 06:27	1	WG1858339
BNSF-BG20-042922-0-10	L1488800-03	11	05/05/22 06:27	1	WG1858339
BNSF-1120-042922-0-6	L1488800-02	10	05/05/22 06:27	1	WG1858339

Total Solids WetChem Prep Benchsheet

Batch: WG1858339

SDG	PrePrep Batch	PrePrep Analyst	PrePrep Balance	PrePrep Start Time
L1488371	WG1858269	BJM688	PREPREPBAL3	03-MAY-22
L1488378	WG1858269	BJM688	PREPREPBAL3	03-MAY-22
L1488552	WG1858269	BJM688	PREPREPBAL3	03-MAY-22
L1488686	WG1858206	BJM688	PREPREPBAL4	03-MAY-22
L1488723	WG1858206	BJM688	PREPREPBAL4	03-MAY-22
L1488800	WG1858206	BJM688	PREPREPBAL4	03-MAY-22
L1488802	WG1858206	BJM688	PREPREPBAL4	03-MAY-22

Analyst: KDW475 **Prep Start Date/Time:** 05/05/22 06:21-06:22 **Prep End Date/Time:** 05/06/22 08:54 **SOP:** 0178 **Method:** SM 2540G **Oven ID:** 2305
Balance ID: LOGBAL4 **LCS True Value:** 50

LCS: 22D11416 Amt. Used: 50 Exp. Date:10/11/22

Sample Number	Matrix	State	Collect Date	Vessel ID	Vessel Wt (g)	Sample + Vessel Wt (g)	Oven Wt1 (g)	Oven Wt2 (g)	Wt Diff (g)	% TS Result	% Moisture Result	TS % Recovery	Moisture % Rec.	TS RPD	% Moisture RPD	Box ID	Review Analyst	Review Date
BLANK				C1	1.270	1.270	1.269	1.271	0.002	0.001	99.999						CMK3616	05/06/22 08:54:43
LCS				C2	1.274	11.274	6.273	6.273	0	49.99	50.01	99.98	100.02				CMK3616	05/06/22 08:54:43
DUP(L1488686-01)				C3	1.250	12.712	10.379	10.345	0.034	79.3492	20.6508			1.81	6.67	PP4 0503	CMK3616	05/06/22 08:54:43
1. L1488371-09	SS	TX	04/29/22 13:15	C4	1.267	9.924	8.697	8.647	0.05	85.2489	14.7511					5/3 PP3 TUES 7	CMK3616	05/06/22 08:54:43
2. L1488378-01	SS	WV	04/29/22 09:30	C5	1.272	7.035	5.788	5.770	0.018	78.0496	21.9504					5/3 PP3 TUES 7	CMK3616	05/06/22 08:54:43
3. L1488552-01	SS	OK	04/29/22 14:00	C6	1.255	7.122	7.135	7.120	0.015	99.9659	0.0341					5/3 PP3 TUES 7	CMK3616	05/06/22 08:54:43
4. L1488686-01	SS	PA	04/29/22 14:00	C7	1.267	9.502	7.710	7.684	0.026	77.9235	22.0765						CMK3616	05/06/22 08:54:43
5. L1488723-01	SS	MD	04/29/22 13:00	C8	1.284	12.562	9.136	9.105	0.031	69.3474	30.6526					PP4 0503	CMK3616	05/06/22 08:54:43
6. L1488800-01	SS	WA	04/29/22 10:00	C9	1.285	11.298	9.338	9.315	0.023	80.1957	19.8043					PP4 0503	CMK3616	05/06/22 08:54:43
7. L1488800-02	SS	WA	04/29/22 10:45	C10	1.266	14.269	11.024	10.985	0.039	74.7443	25.2557					PP4 0503	CMK3616	05/06/22 08:54:43
8. L1488800-03	SS	WA	04/29/22 11:25	C11	1.274	9.713	7.240	7.211	0.029	70.3519	29.6481					PP4 0503	CMK3616	05/06/22 08:54:43
9. L1488802-01	SS	WA	04/28/22 08:05	C12	1.255	7.922	6.409	6.389	0.02	77.0061	22.9939					PP4 0503	CMK3616	05/06/22 08:54:43
10. L1488802-02	SS	WA	04/28/22 08:35	C13	1.264	10.999	8.634	8.604	0.03	75.398	24.602					PP4 0503	CMK3616	05/06/22 08:54:43

Comments:

Reviewed By:CMK3616 on 05/06/22 08:54:43

#	Type	Time In	Obs. Temp In (°C)	Corrected Temp In (°C)	Time Out	Obs. Temp Out (°C)	Corrected Temp Out (°C)	Samples
1	Oven-4hr	05/05/22 06:27:48	104	104	05/06/22 05:20:58	104	104	BLANK, LCS, DUP(L1488686-01), L1488371-09, L1488802-02, L1488802-01, L1488800-03, L1488800-02, L1488800-01, L1488723-01, L1488686-01, L1488552-01, L1488378-01
2	Oven-1hr	05/06/22 06:02:51	104	104	05/06/22 08:52:13	104	104	BLANK, LCS, DUP(L1488686-01), L1488371-09, L1488378-01, L1488552-01, L1488686-01, L1488723-01, L1488800-01, L1488800-02, L1488800-03, L1488802-01, L1488802-02

8270E Semi Volatile Organic Compounds (GC/MS)

2A-OR

SURROGATE RECOVERY

Analytical Method: 8270E **SDG:** L1488800

Matrix: Solid

Sample ID	Lab Sample ID	Instrument	File ID	DMC-1	DMC-2	DMC-3	DMC-4	DMC-5	DMC-6	TOT Out
				% Rec.	*% Rec.*	*% Rec.*	*% Rec.*	*% Rec.*	*% Rec.*	
BNSF-L320-042922-0-2	L1488800-01	BNAMS4	0511_11	74.7	73.5	74.6	66.1	76.5	66.1	0
BNSF-1120-042922-0-6	L1488800-02	BNAMS4	0511_29	64.7	64.7	64.5	57.6	68.6	61.8	0
BNSF-BG20-042922-0-10	L1488800-03	BNAMS4	0511_30	73.8	70.2	73.9	64.3	78.7	74.8	0
MS	R3790422-3	BNAMS4	0511_31	69.5	66.7	67.8	62.2	69.7	68.1	0
MSD	R3790422-4	BNAMS4	0511_32	60.7	56.8	60.1	61.9	64.2	59.1	0
BLANK	R3790422-2	BNAMS4	0511_06	85.6	83.9	86.8	82.0	85.4	89.5	0
LCS	R3790422-1	BNAMS4	0511_05	83.6	84.4	69.7	82.3	90.7	91.6	0

Parm Abbreviation	Parameter	QC LIMITS
DMC-1	2-Fluorophenol	12.0 - 120
DMC-2	Phenol-d5	10.0 - 120
DMC-3	Nitrobenzene-d5	10.0 - 122
DMC-4	2-Fluorobiphenyl	15.0 - 120
DMC-5	2,4,6-Tribromophenol	10.0 - 127
DMC-6	p-Terphenyl-d14	10.0 - 120

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

L1488800-01,02,03

SAMPLE NO.:
R3790422-3
R3790422-4

MS Sample / File ID: R3790422-3 / 0511_31
MSD Sample / File ID: R3790422-4 / 0511_32
OS Sample / File ID: L1488800-03 / 0511_30
Instrument ID: BNAMS4
Analytical Method: 8270E

SDG: L1488800
Analytical Batch: WG1861634
Matrix: Solid

Analyte	Spike Amount (dry)	OS Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	RPD	RPD Limit
	mg/kg	*mg/kg*	*mg/kg*	*mg/kg*	*%*	*%*		*%*	*%*	*%*
Acenaphthene	0.918	U	0.667	0.689	72.6	75.1	2	18.0 - 120	3.35	32
Acenaphthylene	0.918	U	0.689	0.728	75.1	79.3	2	25.0 - 120	5.42	32
Anthracene	0.918	U	0.652	0.682	71.1	74.3	2	22.0 - 120	4.47	29
Benzoic Acid	1.83	U	2.12	1.85	116	101	2	10.0 - 152	13.6	40
Benzo(a)anthracene	0.918	U	0.657	0.702	71.5	76.5	2	25.0 - 120	6.69	29
Benzo(b)fluoranthene	0.918	U	0.712	0.701	77.6	76.3	2	19.0 - 122	1.61	31
Benzo(k)fluoranthene	0.918	U	0.739	0.688	80.5	74.9	2	23.0 - 120	7.17	30
Benzo(g,h,i)perylene	0.918	U	0.422	0.432	46.0	47.1	2	10.0 - 120	2.33	33
Benzo(a)pyrene	0.918	U	0.758	0.738	82.5	80.3	2	24.0 - 120	2.66	30
Carbazole	0.918	U	0.655	0.661	71.4	72.0	2	31.0 - 120	0.864	24
Chrysene	0.918	U	0.655	0.671	71.4	73.1	2	21.0 - 120	2.36	29
Dibenz(a,h)anthracene	0.918	U	0.522	0.529	56.8	57.6	2	10.0 - 120	1.35	32
Dibenzofuran	0.918	U	0.665	0.678	72.4	73.8	2	24.0 - 120	1.90	30
Fluoranthene	0.918	U	0.729	0.735	79.4	80.0	2	18.0 - 126	0.777	32
Fluorene	0.918	U	0.705	0.685	76.8	74.6	2	25.0 - 120	2.86	30
Indeno(1,2,3-cd)pyrene	0.918	U	0.469	0.496	51.1	54.0	2	10.0 - 120	5.60	32
1-Methylnaphthalene	0.918	U	0.569	0.576	61.9	62.7	2	10.0 - 120	1.24	36
2-Methylnaphthalene	0.918	U	0.549	0.567	59.8	61.8	2	10.0 - 120	3.31	37
Naphthalene	0.918	U	0.556	0.547	60.5	59.6	2	10.0 - 120	1.55	35
Phenanthrene	0.918	U	0.640	0.664	69.7	72.3	2	17.0 - 120	3.71	31
Bis(2-ethylhexyl)phthalate	0.918	U	0.776	0.768	84.5	83.6	2	17.0 - 126	1.10	30
Di-n-butyl phthalate	0.918	U	0.773	0.782	84.2	85.1	2	30.0 - 120	1.10	29
Di-n-octyl phthalate	0.918	U	0.785	0.807	85.4	87.9	2	21.0 - 123	2.86	29
Pyrene	0.918	U	0.658	0.662	71.7	72.1	2	16.0 - 121	0.646	32
3&4-Methyl Phenol	0.918	U	0.760	0.739	82.8	80.5	2	12.0 - 123	2.84	38
Pentachlorophenol	0.918	U	0.751	0.743	81.7	81.0	2	10.0 - 160	0.951	31
Phenol	0.918	U	0.675	0.658	73.5	71.7	2	12.0 - 120	2.56	38

*: Value outside the established quality control limits.
D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE RECOVERY
L1488800-01,02,03

SAMPLE NO.:
R3790422-1

LCS Sample / File ID:	R3790422-1 / 0511_05	**SDG:**	L1488800
LCSD Sample / File ID:		**Analytical Batch:**	WG1861634
Instrument ID:	BNAMS4	**Dilution Factor:**	1
Analytical Method:	8270E	**Matrix:**	Solid

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	RPD	RPD Limit
	mg/kg	*mg/kg*		*%*	*%*	*%*	*%*	*%*
Acenaphthene	0.666	0.584		87.7		38.0 - 120		
Acenaphthylene	0.666	0.630		94.6		40.0 - 120		
Anthracene	0.666	0.579		86.9		42.0 - 120		
Benzoic Acid	1.33	0.533		40.1		10.0 - 120		
Benzo(a)anthracene	0.666	0.619		92.9		44.0 - 120		
Benzo(b)fluoranthene	0.666	0.584		87.7		43.0 - 120		
Benzo(k)fluoranthene	0.666	0.594		89.2		44.0 - 120		
Benzo(g,h,i)perylene	0.666	0.612		91.9		43.0 - 120		
Benzo(a)pyrene	0.666	0.643		96.5		45.0 - 120		
Carbazole	0.666	0.570		85.6		48.0 - 120		
Chrysene	0.666	0.616		92.5		43.0 - 120		
Dibenz(a,h)anthracene	0.666	0.584		87.7		44.0 - 120		
Dibenzofuran	0.666	0.598		89.8		44.0 - 120		
Fluoranthene	0.666	0.576		86.5		44.0 - 120		
Fluorene	0.666	0.601		90.2		41.0 - 120		
Indeno(1,2,3-cd)pyrene	0.666	0.590		88.6		45.0 - 120		
1-Methylnaphthalene	0.666	0.448		67.3		34.0 - 120		
2-Methylnaphthalene	0.666	0.424		63.7		34.0 - 120		
Naphthalene	0.666	0.431		64.7		18.0 - 120		
Phenanthrene	0.666	0.574		86.2		42.0 - 120		
Bis(2-ethylhexyl)phthalate	0.666	0.707		106		41.0 - 120		
Di-n-butyl phthalate	0.666	0.641		96.2		43.0 - 120		
Di-n-octyl phthalate	0.666	0.656		98.5		40.0 - 120		
Pyrene	0.666	0.607		91.1		41.0 - 120		
3&4-Methyl Phenol	0.666	0.683		103		42.0 - 120		
Pentachlorophenol	0.666	0.550		82.6		29.0 - 120		
Phenol	0.666	0.570		85.6		28.0 - 120		

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Lab Sample ID:	R3790422-2	**SDG:**	L1488800
Lab File ID:	0511_06	**Preparation Date/Time:**	05/10/22 22:02
Instrument ID:	BNAMS4	**Analysis Date/Time:**	05/11/22 07:22
Analytical Batch:	WG1861634	**Dilution Factor:**	1
Analytical Method:	8270E	**Matrix:**	Solid

Sample ID	Lab Sample ID	Instrument	File ID	Analysis *date/time*
LCS	R3790422-1	BNAMS4	0511_05	05/11/22 07:01
BNSF-L320-042922-0-2	L1488800-01	BNAMS4	0511_11	05/11/22 09:07
BNSF-1120-042922-0-6	L1488800-02	BNAMS4	0511_29	05/11/22 16:01
BNSF-BG20-042922-0-10	L1488800-03	BNAMS4	0511_30	05/11/22 16:22
MS	R3790422-3	BNAMS4	0511_31	05/11/22 16:43
MSD	R3790422-4	BNAMS4	0511_32	05/11/22 17:04

Sample Narrative:

Dilution due to matrix impact during extract concentration procedure

5A-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

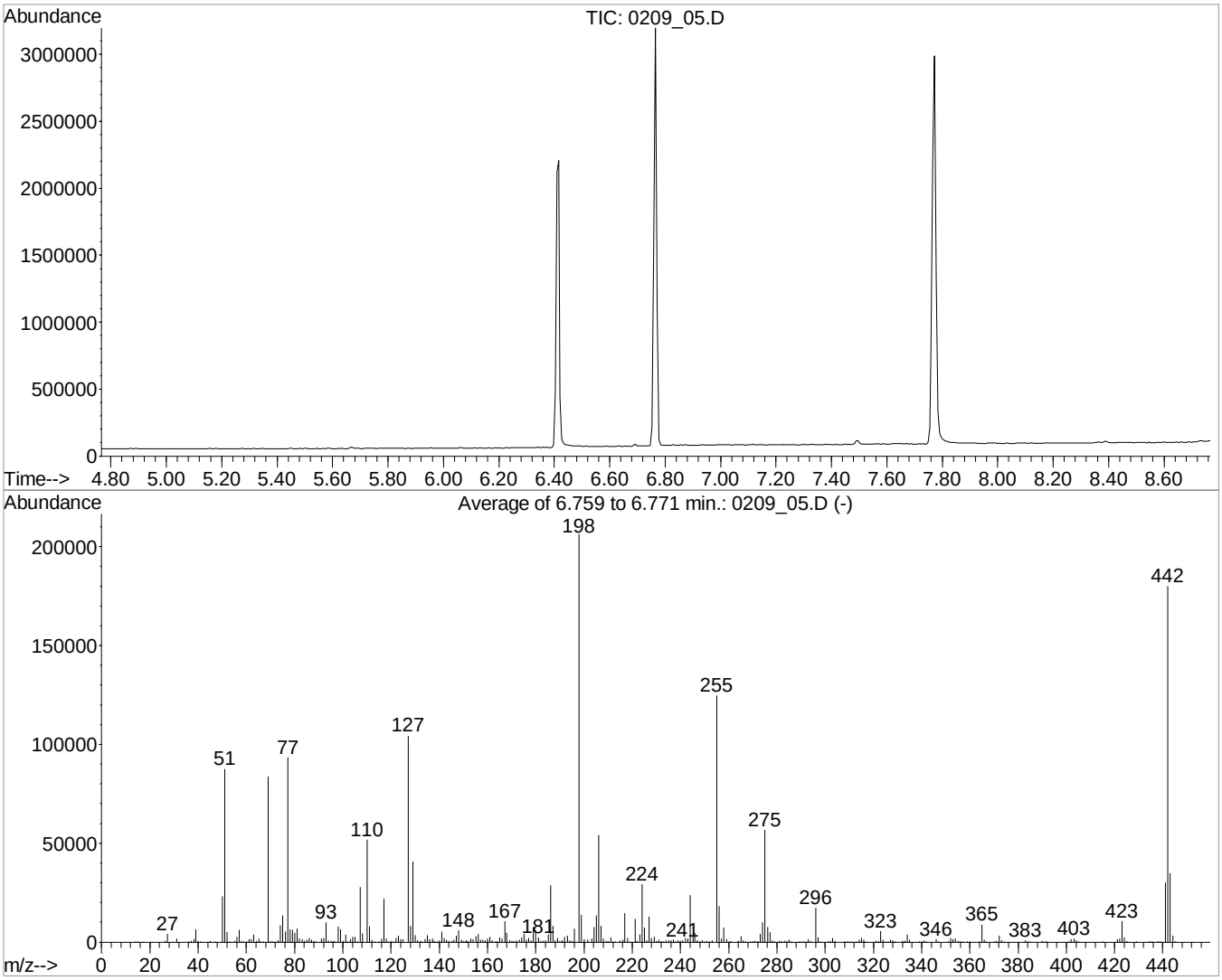
Lab File ID: 0209_05
Instrument ID: BNAMS4
Analysis Date/Time: 02/09/22 10:23

SDG: L1488800
Analytical Method: 8270E

Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
51	198	10	80	42
68	69	0	2	0
69	69	100	100	100
70	69	0	2	1
127	198	10	80	50
197	198	0	2	0
198	198	50	100	100
199	198	5	9	7
275	198	10	60	28
365	198	1	100	4
441	442	0.0001	24	17
442	198	50	100	87
443	442	15	24	19

Sample ID	Lab Sample ID	File ID	Analysis date/time
STD-500	500	0209_06	02/09/22 10:43
STD-1000	1000	0209_07	02/09/22 11:04
STD-4000	4000	0209_08	02/09/22 11:25
STD-10000	10000	0209_09	02/09/22 11:46
STD-20000	20000	0209_10	02/09/22 12:07
STD-30000	30000	0209_11	02/09/22 12:27
STD-40000	40000	0209_12	02/09/22 12:48
STD-50000	50000	0209_13	02/09/22 13:09
STD-1K1	1K1	0209_14	02/09/22 13:30
STD-4K1	4K1	0209_15	02/09/22 13:51
STD-10K1	10K1	0209_16	02/09/22 14:11
STD-20K1	20K1	0209_17	02/09/22 14:32
STD-30K1	30K1	0209_18	02/09/22 14:53
STD-40K1	40K1	0209_19	02/09/22 15:14
STD-50K1	50K1	0209_20	02/09/22 15:35
SSCV	BNAMS40209220209_21577847	0209_21	02/09/22 15:56
SSCV	BNAMS40209220209_22577847	0209_22	02/09/22 16:16

Data File : C:\MSDCHEM\1\DATA\020922\0209 05.D Vial: 2
Acq On : 9 Feb 2022 10:23 am Operator: 917
Sample : TUNE 50 PPM Inst : BNAMS4
Misc : DFTTP TUNE 22B07163 exp. 05/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)
Title : 8270 BNA



Spectrum Information: Average of 6.759 to 6.771 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.4	87399	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	83556	PASS
70	69	0.00	2	0.7	564	PASS
127	198	10	80	50.5	104194	PASS
197	198	0.00	2	0.0	0	PASS
198	198	50	100	100.0	206269	PASS
199	198	5	9	6.6	13692	PASS
275	198	10	60	27.5	56626	PASS
365	198	1	100	4.3	8784	PASS
441	442	0.01	24	16.7	30103	PASS
442	198	50	100	87.1	179744	PASS
443	442	15	24	19.4	34822	PASS

0209_05.D TUNED.M Mon Feb 14 10:17:16 2022

5A-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

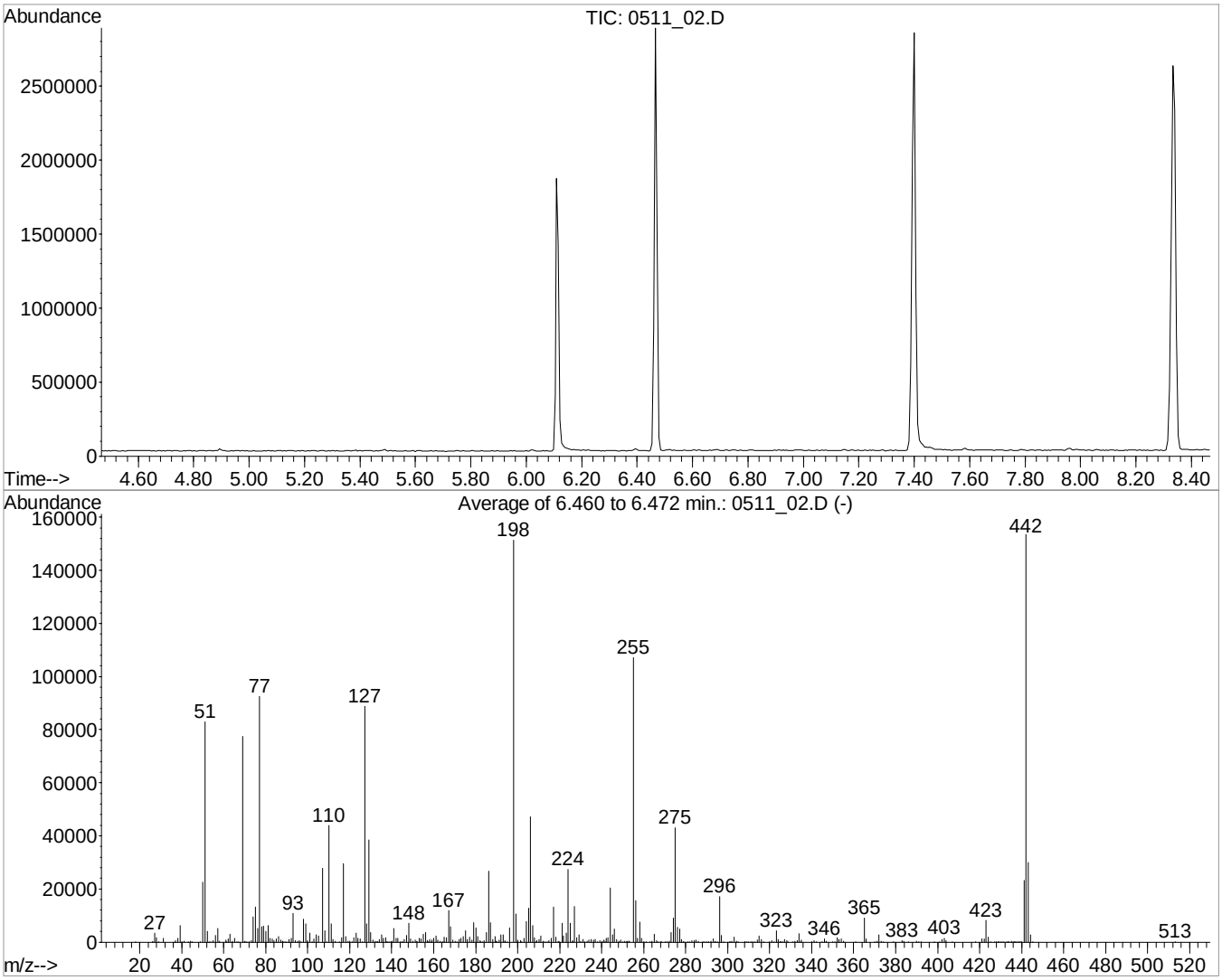
Lab File ID:	0511_02T-1	**SDG:**	L1488800
Instrument ID:	BNAMS4	**Analytical Method:**	8270E
Analysis Date/Time:	05/11/22 05:34		

Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
51	442	10	80	54
68	69	0	2	0
69	69	100	100	100
70	69	0	2	0
127	442	10	80	58
197	198	0	2	0
198	442	50	100	98
199	198	5	9	7
275	442	10	60	28
365	198	1	100	6
441	442	0.0001	24	15
442	442	50	100	100
443	442	15	24	20

Sample ID	Lab Sample ID	File ID	Analysis date/time
ICV	BNAMS40511220511_03577847	0511_03	05/11/22 05:55
ICV	BNAMS40511220511_04577847	0511_04	05/11/22 06:26
LCS	R3790422-1	0511_05	05/11/22 07:01
BLANK	R3790422-2	0511_06	05/11/22 07:22
BNSF-L320-042922-0-2	L1488800-01	0511_11	05/11/22 09:07
BNSF-1120-042922-0-6	L1488800-02	0511_29	05/11/22 16:01
OS	L1488800-03	0511_30	05/11/22 16:22
BNSF-BG20-042922-0-10	L1488800-03	0511_30	05/11/22 16:22
MS	R3790422-3	0511_31	05/11/22 16:43
MSD	R3790422-4	0511_32	05/11/22 17:04

DFTPP

```
Data File : C:\MSDCHEM\1\DATA\051122\0511 02.D          Vial: 2
Acq On    : 11 May 2022   5:34 am                   Operator: 3545
Sample    : TUNE 50 PPM 22D18771 exp 08/11/22       Inst    : BNAMS4
Misc      : DFTTP TUNE                              Multiplr: 1.00
MS Integration Params: RTEINT.P
Method    : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)
Title     : 8270 BNA
```



Spectrum Information: Average of 6.460 to 6.472 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	442	10	80	54.0	82906	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	77578	PASS
70	69	0.00	2	0.4	344	PASS
127	442	10	80	57.9	88906	PASS
197	198	0.00	2	0.0	0	PASS
198	442	50	100	98.5	151325	PASS
199	198	5	9	6.9	10505	PASS
275	442	10	60	28.1	43122	PASS
365	198	1	100	5.9	8988	PASS
441	442	0.01	24	15.1	23196	PASS
442	442	50	100	100.0	153613	PASS
443	442	15	24	19.5	29939	PASS

0511_02.D TUNED.M Wed May 11 06:44:08 2022

INTERNAL STANDARD AND RETENTION TIME

SDG:	L1488800	**Analytical Method:**	8270E
Instrument ID:	BNAMS4	**Calibration Start Date:**	02/09/22 10:43
Std File:	0511_03	**Calibration End Date:**	02/09/22 15:35
		Std Analysis Date:	05/11/22 05:55

Sample ID	File ID	1,4-DCB		ACE		CHR		NAP	
		Response	*RT*	*Response*	*RT*	*Response*	*RT*	*Response*	*RT*
STANDARD		56197	3.25	116381	5.15	198380	9	230752	3.98
UPPER LIMIT		112394		232762		396760		461504	
LOWER LIMIT		28099		58191		99190		115376	
LCS R3790422-1 WG1861634 1x	0511_05	48033	3.25	99122	5.15	175697	9.01	240896	3.98
BLANK R3790422-2 WG1861634 1x	0511_06	40536	3.25	75891	5.15	124262	9	159467	3.98
L1488800-01 WG1861634 2x	0511_11	44001	3.25	87269	5.15	185049	9.01	175148	3.98
L1488800-02 WG1861634 1x	0511_29	38002	3.25	76525	5.15	158586	9.02	149158	3.98
L1488800-03 WG1861634 2x	0511_30	41381	3.25	81437	5.15	158229	9.01	162372	3.98
OS L1488800-03 WG1861634 2x	0511_30	41381	3.25	81437	5.15	158229	9.01	162372	3.98
MS R3790422-3 WG1861634 2x	0511_31	45338	3.25	93414	5.15	191759	9.01	203360	3.98
MSD R3790422-4 WG1861634 2x	0511_32	43816	3.25	85264	5.15	172867	9	191135	3.98

1,4-DCB - 1,4-DICHLOROBENZENE-D4 ACE - ACENAPHTHENE-D10
CHR - CHRYSENE-D12 NAP - NAPHTHALENE-D8
PER - PERYLENE-D12 PHEN - PHENANTHRENE-D10

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

INTERNAL STANDARD AND RETENTION TIME

SDG:	L1488800	**Analytical Method:**	8270E
Instrument ID:	BNAMS4	**Calibration Start Date:**	02/09/22 10:43
Std File:	0511_03	**Calibration End Date:**	02/09/22 15:35
		Std Analysis Date:	05/11/22 05:55

Sample ID	File ID	PER		PHEN	
		Response	*RT*	*Response*	*RT*
STANDARD		215609	11.66	231078	6.26
UPPER LIMIT		431218		462156	
LOWER LIMIT		107805		115539	
LCS R3790422-1 WG1861634 1x	0511_05	184368	11.67	205409	6.27
BLANK R3790422-2 WG1861634 1x	0511_06	129493	11.66	146134	6.26
L1488800-01 WG1861634 2x	0511_11	206695	11.67	177386	6.26
L1488800-02 WG1861634 1x	0511_29	168444	11.69	149288	6.27
L1488800-03 WG1861634 2x	0511_30	157529	11.67	162972	6.26
OS L1488800-03 WG1861634 2x	0511_30	157529	11.67	162972	6.26
MS R3790422-3 WG1861634 2x	0511_31	166442	11.67	195238	6.26
MSD R3790422-4 WG1861634 2x	0511_32	163952	11.67	176095	6.26

1,4-DCB - 1,4-DICHLOROBENZENE-D4 ACE - ACENAPHTHENE-D10
CHR - CHRYSENE-D12 NAP - NAPHTHALENE-D8
PER - PERYLENE-D12 PHEN - PHENANTHRENE-D10

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BNSF-L320-042922-0-2

Lab Sample ID:	L1488800-01	**SDG:**	L1488800
Client Sample ID:	BNSF-L320-042922-0-2	**Collected Date/Time:**	04/29/22 10:00
Lab File ID:	0511_11	**Received Date/Time:**	05/03/22 09:30
Instrument ID:	BNAMS4	**Preparation Date/Time:**	05/10/22 22:21
Analytical Batch:	WG1861634	**Analysis Date/Time:**	05/11/22 09:07
Dilution Factor:	2	**Prep Method:**	3546
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	15.69 g
Total Solids (%):	80.2	**Final Wt/Vol:**	1.0 mL

Analyte	CAS	RT	Result (dry)	Qualifier	MDL (dry)	RDL (dry)
			mg/kg		*mg/kg*	*mg/kg*
Acenaphthene	83-32-9	0	U		0.0135	0.0830
Acenaphthylene	208-96-8	0	U		0.0117	0.0830
Anthracene	120-12-7	6.36	U		0.0148	0.0830
Benzoic Acid	65-85-0	3.79	U		0.294	4.16
Benzo(a)anthracene	56-55-3	9	U		0.0146	0.0830
Benzo(b)fluoranthene	205-99-2	0	U		0.0155	0.0830
Benzo(k)fluoranthene	207-08-9	11.07	U		0.0147	0.0830
Benzo(g,h,i)perylene	191-24-2	14.13	U		0.0152	0.0830
Benzo(a)pyrene	50-32-8	11.44	U		0.0155	0.0830
Carbazole	86-74-8	0	U		0.0257	0.830
Chrysene	218-01-9	9.05	U		0.0165	0.0830
Dibenz(a,h)anthracene	53-70-3	13.77	U		0.0231	0.0830
Dibenzofuran	132-64-9	0	U		0.0272	0.830
Fluoranthene	206-44-0	7.27	U		0.0150	0.0830
Fluorene	86-73-7	0	U		0.0135	0.0830
Indeno(1,2,3-cd)pyrene	193-39-5	13.67	U		0.0234	0.0830
1-Methylnaphthalene	90-12-0	0	U		0.0106	0.0830
2-Methylnaphthalene	91-57-6	0	U		0.0108	0.0830
Naphthalene	91-20-3	4	U		0.0208	0.0830
Phenanthrene	85-01-8	6.28	U		0.0165	0.0830
Bis(2-ethylhexyl)phthalate	117-81-7	9.08	U		0.105	0.830
Di-n-butyl phthalate	84-74-2	6.60	U		0.0284	0.830
Di-n-octyl phthalate	117-84-0	10.27	U		0.0561	0.830
Pyrene	129-00-0	7.50	U		0.0162	0.0830
3&4-Methyl Phenol	3&4-Methyl Phenol	0	U		0.0259	0.830
Pentachlorophenol	87-86-5	0	U		0.0223	0.830
Phenol	108-95-2	0	U		0.0334	0.830

Sample Narrative:
Dilution due to matrix impact during extract concentration procedure

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051122\0511 11.D Vial: 84
Acq On : 11 May 2022 9:07 am Operator: 3545
Sample : L1488800-01 1x WG1861634 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 11:44 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	44001	8000.00	ppb	0.00
23) Naphthalene-d8	3.98	136	175148	8000.00	ppb	0.00
46) Acenaphthene-d10	5.15	164	87269	8000.00	ppb	0.00
70) Phenanthrene-d10	6.26	188	177386	8000.00	ppb	0.00
84) Chrysene-d12	9.01	240	185049	8000.00	ppb	0.00
94) Perylene-d12	11.67	264	206695	8000.00	ppb	0.00

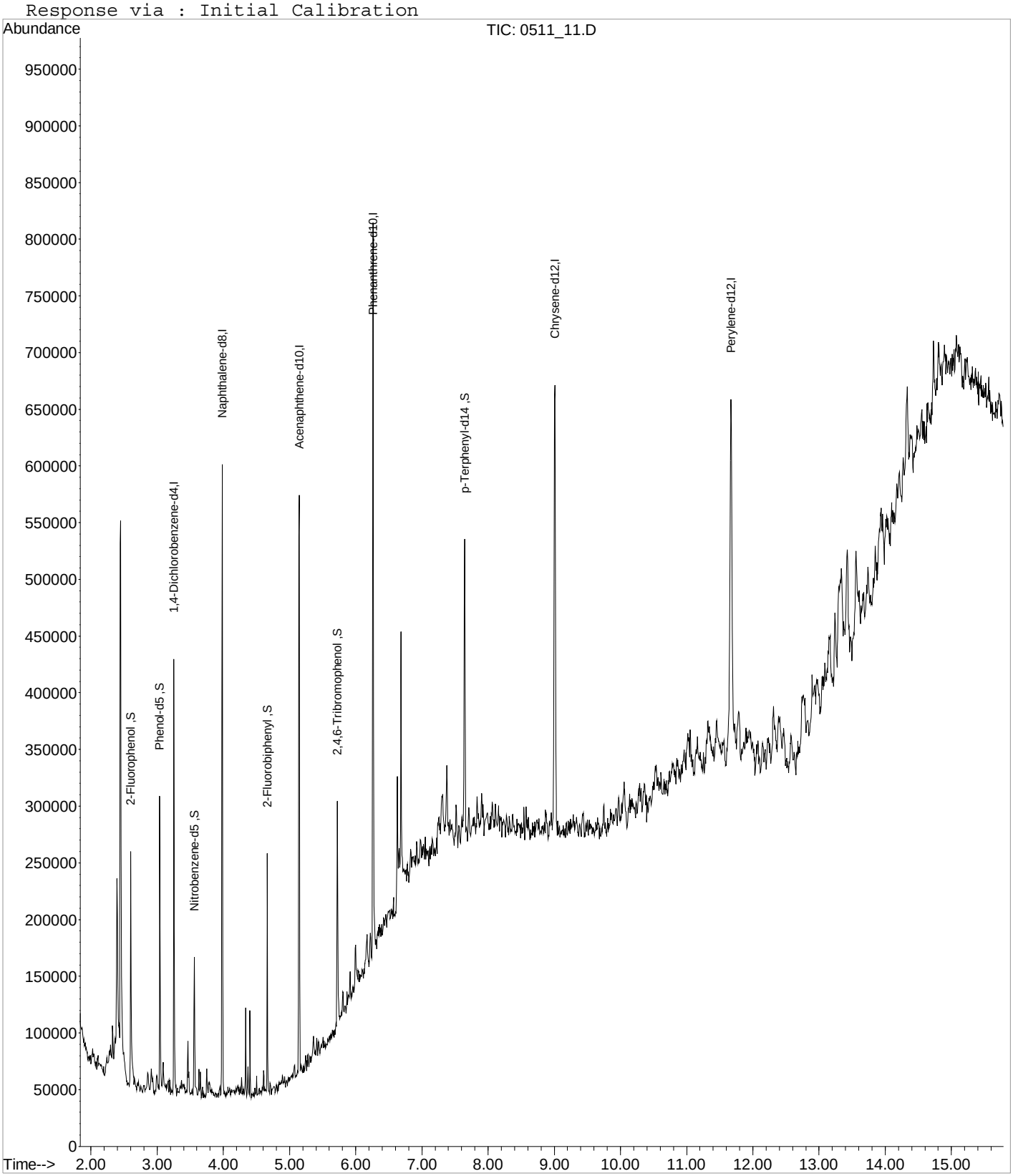
System Monitoring Compounds						
4) 2-Fluorophenol	2.60	112	53428	7472.3796816	ppb	0.02
Spiked Amount 20000.000	Range 20 - 120		Recovery = 37.36%			
7) Phenol-d5	3.04	99	63097	7352.5571178	ppb	0.00
Spiked Amount 20000.000	Range 20 - 120		Recovery = 36.76%			
24) Nitrobenzene-d5	3.56	82	27722	3730.3020035	ppb	0.00
Spiked Amount 10000.000	Range 18 - 125		Recovery = 37.30%			
50) 2-Fluorobiphenyl	4.67	172	48832	3317.0174146	ppb	0.00
Spiked Amount 10000.000	Range 28 - 120		Recovery = 33.17%			
73) 2,4,6-Tribromophenol	5.72	330	15364	7651.2843047	ppb	0.00
Spiked Amount 20000.000	Range 17 - 137		Recovery = 38.26%			
87) p-Terphenyl-d14	7.65	244	83680	3308.9400426	ppb	0.00
Spiked Amount 10000.000	Range 13 - 131		Recovery = 33.09%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Data File : C:\MSDCHEM\1\DATA\051122\0511 11.D Vial: 84
Acq On : 11 May 2022 9:07 am Operator: 3545
Sample : L1488800-01 1x WG1861634 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 11:44 2022 Quant Results File: S804E04BV.RES

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration



SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BNSF-1120-042922-0-6

Lab Sample ID:	L1488800-02	**SDG:**	L1488800
Client Sample ID:	BNSF-1120-042922-0-6	**Collected Date/Time:**	04/29/22 10:45
Lab File ID:	0511_29	**Received Date/Time:**	05/03/22 09:30
Instrument ID:	BNAMS4	**Preparation Date/Time:**	05/10/22 22:21
Analytical Batch:	WG1861634	**Analysis Date/Time:**	05/11/22 16:01
Dilution Factor:	1	**Prep Method:**	3546
Analytical Method:	8270E	**Sample Vol Used:**	
Matrix:	Solid	**Initial Wt/Vol:**	15.17 g
Total Solids (%):	74.7	**Final Wt/Vol:**	0.5 mL

Analyte	CAS	RT	Result (dry)	Qualifier	MDL (dry)	RDL (dry)
			mg/kg		*mg/kg*	*mg/kg*
Acenaphthene	83-32-9	0	U		0.00721	0.0446
Acenaphthylene	208-96-8	0	U		0.00627	0.0446
Anthracene	120-12-7	6.29	U		0.00793	0.0446
Benzoic Acid	65-85-0	3.79	U		0.158	2.23
Benzo(a)anthracene	56-55-3	9.06	U		0.00785	0.0446
Benzo(b)fluoranthene	205-99-2	10.92	U		0.00831	0.0446
Benzo(k)fluoranthene	207-08-9	10.92	U		0.00792	0.0446
Benzo(g,h,i)perylene	191-24-2	13.94	U		0.00815	0.0446
Benzo(a)pyrene	50-32-8	11.57	U		0.00828	0.0446
Carbazole	86-74-8	6.58	U		0.0138	0.446
Chrysene	218-01-9	9.06	U		0.00886	0.0446
Dibenz(a,h)anthracene	53-70-3	0	U		0.0123	0.0446
Dibenzofuran	132-64-9	0	U		0.0146	0.446
Fluoranthene	206-44-0	7.28	U		0.00804	0.0446
Fluorene	86-73-7	0	U		0.00725	0.0446
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.0126	0.0446
1-Methylnaphthalene	90-12-0	4.49	U		0.00570	0.0446
2-Methylnaphthalene	91-57-6	4.43	0.00706	J	0.00578	0.0446
Naphthalene	91-20-3	4	U		0.0112	0.0446
Phenanthrene	85-01-8	6.29	U		0.00884	0.0446
Bis(2-ethylhexyl)phthalate	117-81-7	9.09	U		0.0565	0.446
Di-n-butyl phthalate	84-74-2	6.72	U		0.0153	0.446
Di-n-octyl phthalate	117-84-0	0	U		0.0301	0.446
Pyrene	129-00-0	7.50	U		0.00867	0.0446
3&4-Methyl Phenol	3&4-Methyl Phenol	0	U		0.0139	0.446
Pentachlorophenol	87-86-5	0	U		0.0120	0.446
Phenol	108-95-2	0	U		0.0179	0.446

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051122\0511 29.D Vial: 6
Acq On : 11 May 2022 4:01 pm Operator: 3545
Sample : L1488800-02 1x WG1861634 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:08 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

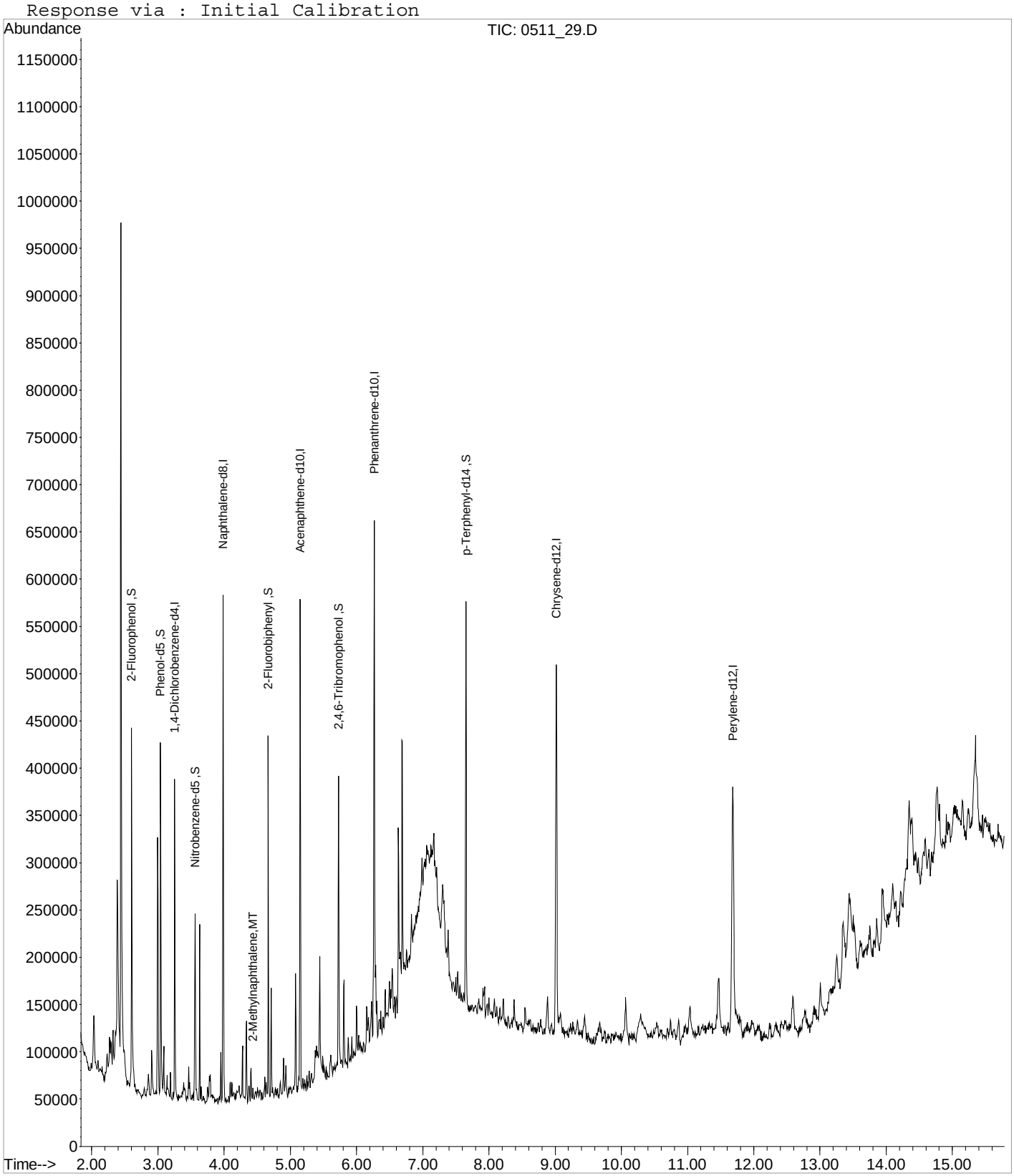
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	38002	8000.00	ppb	0.00
23) Naphthalene-d8	3.98	136	149158	8000.00	ppb	0.00
46) Acenaphthene-d10	5.15	164	76525	8000.00	ppb	0.00
70) Phenanthrene-d10	6.27	188	149288	8000.00	ppb	0.00
84) Chrysene-d12	9.02	240	158586	8000.00	ppb	0.01
94) Perylene-d12	11.69	264	168444	8000.00	ppb	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	2.60	112	79923	12942.4913651	ppb	0.02
Spiked Amount 20000.000	Range 20 - 120		Recovery = 64.71%			
7) Phenol-d5	3.04	99	95862	12933.9826727	ppb	0.00
Spiked Amount 20000.000	Range 20 - 120		Recovery = 64.67%			
24) Nitrobenzene-d5	3.56	82	40922	6465.9883296	ppb	0.00
Spiked Amount 10000.000	Range 18 - 125		Recovery = 64.66%			
50) 2-Fluorobiphenyl	4.67	172	74434	5765.9551376	ppb	0.00
Spiked Amount 10000.000	Range 28 - 120		Recovery = 57.66%			
73) 2,4,6-Tribromophenol	5.73	330	23180	13716.3296320	ppb	0.00
Spiked Amount 20000.000	Range 17 - 137		Recovery = 68.58%			
87) p-Terphenyl-d14	7.65	244	133720	6170.0046556	ppb	0.00
Spiked Amount 10000.000	Range 13 - 131		Recovery = 61.70%			
Target Compounds						Qvalue
41) 2-Methylnaphthalene	4.43	142	1979	159.8949319	ppb #	82

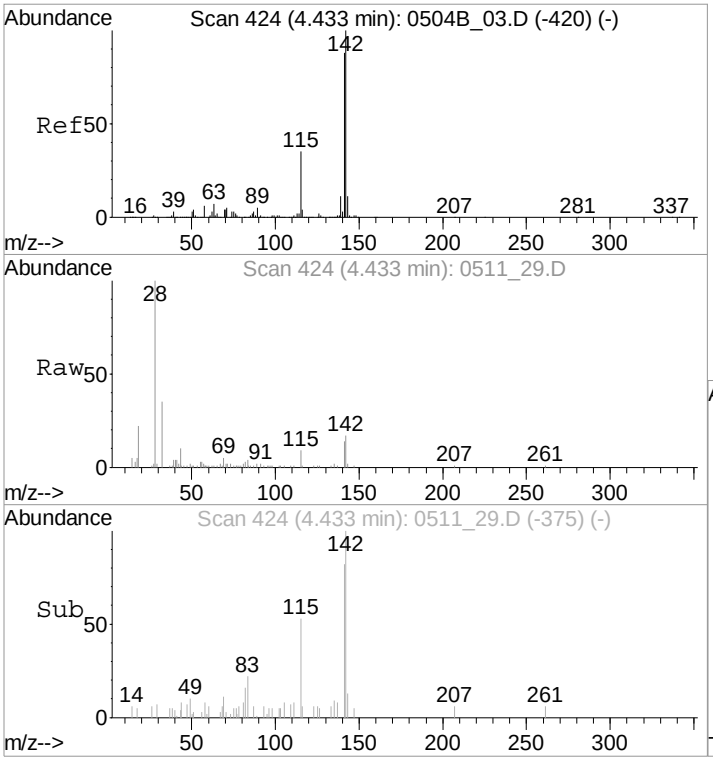
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051122\0511 29.D Vial: 6
Acq On : 11 May 2022 4:01 pm Operator: 3545
Sample : L1488800-02 1x WG1861634 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:08 2022 Quant Results File: S804E04BV.RES

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration

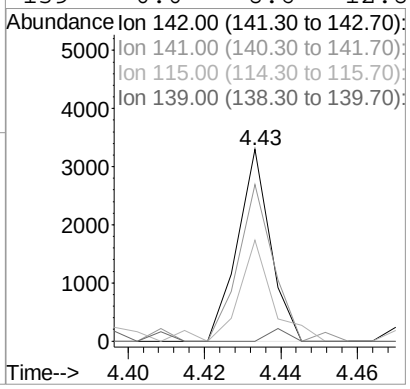




#41
2-Methylnaphthalene
Concen: 159.8949319 ppb
RT: 4.43 min Scan# 424
Delta R.T. -0.00 min
Lab File: 0511_29.D
Acq: 11 May 2022 4:01 pm

Tgt Ion:142 Resp: 1979

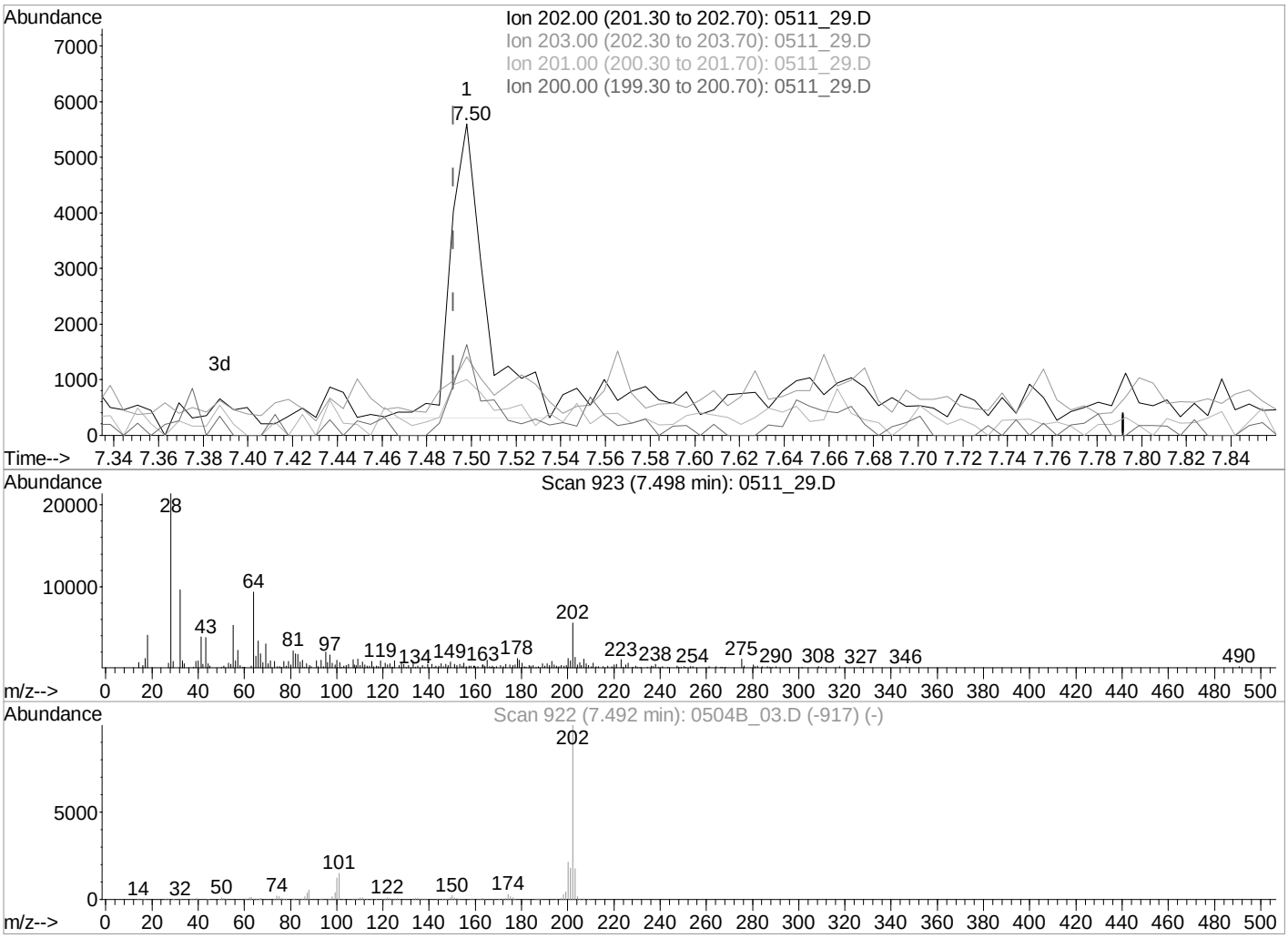
Ion	Ratio	Lower	Upper
142	100		
141	92.3	68.1	102.1
115	55.0	24.7	37.1#
139	0.0	8.6	12.8#



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 29.D Vial: 6
Acq On : 11 May 2022 4:01 pm Operator: 3545
Sample : L1488800-02 1x WG1861634 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:08 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0511_29.D

(86) Pyrene (MT)

7.50min (+0.006) 226.9068746 ppb

Qvalue = 90

response 5790 Limit = 194.0000000

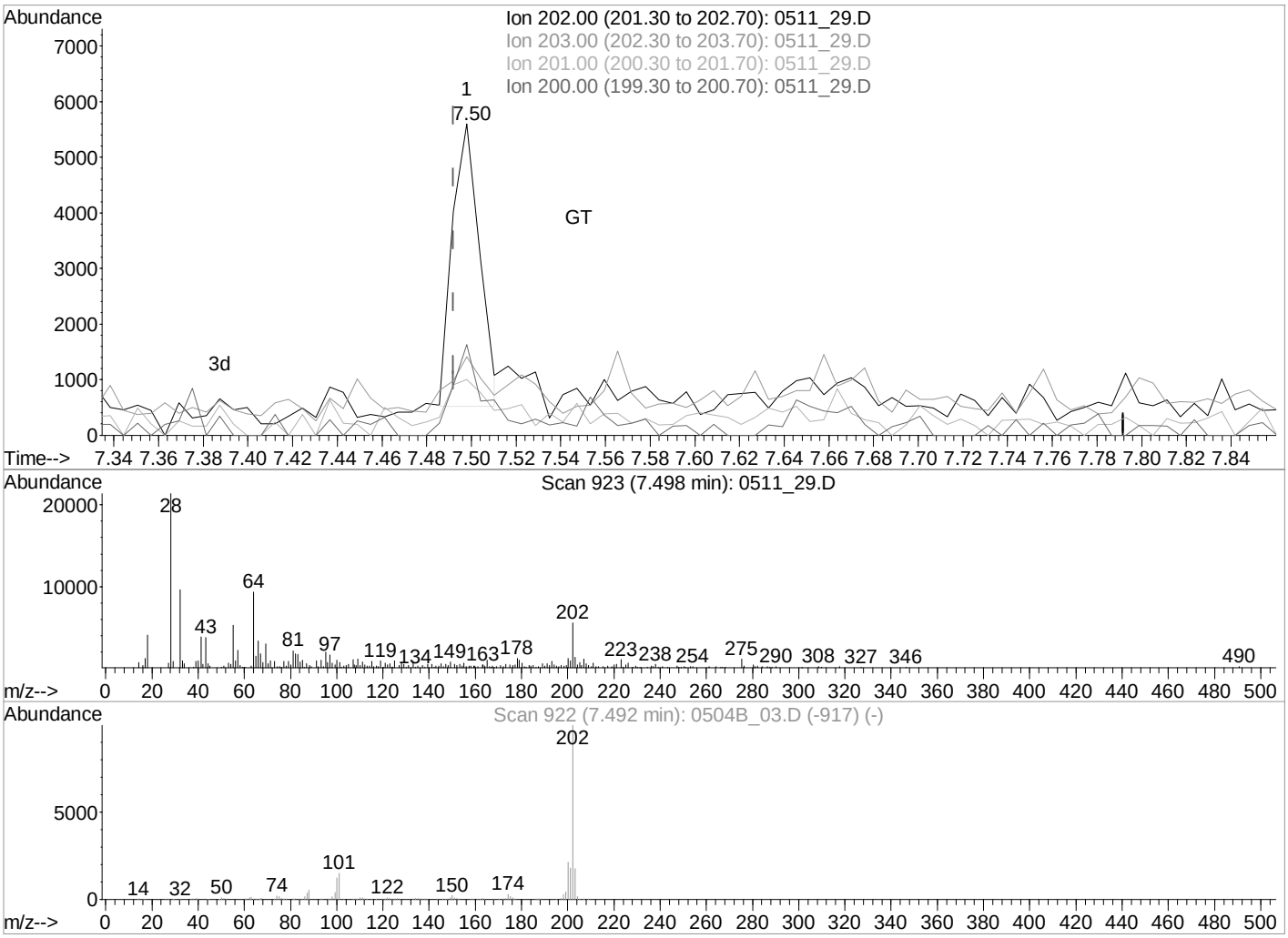
Ion	Exp%	Act%
202.00	100	100
203.00	17.50	17.86
201.00	17.30	11.40
200.00	19.90	27.23

0511_29.D S804E04BV.M Thu May 12 13:08:10 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 29.D Vial: 6
Acq On : 11 May 2022 4:01 pm Operator: 3545
Sample : L1488800-02 1x WG1861634 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:08 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0511_29.D

(86) Pyrene (MT)

7.50min (+0.006) 169.6119090 ppb m

response 4328 Limit = 194.0000000

Ion	Exp%	Act%
202.00	100	100
203.00	17.50	25.28
201.00	17.30	17.88
200.00	19.90	21.79

0511_29.D S804E04BV.M Thu May 12 13:08:15 2022

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BNSF-BG20-042922-0-10

Lab Sample ID:	L1488800-03	**SDG:**	L1488800
Client Sample ID:	BNSF-BG20-042922-0-10	**Collected Date/Time:**	04/29/22 11:25
Lab File ID:	0511_30	**Received Date/Time:**	05/03/22 09:30
Instrument ID:	BNAMS4	**Preparation Date/Time:**	05/10/22 22:21
Analytical Batch:	WG1861634	**Analysis Date/Time:**	05/11/22 16:22
Dilution Factor:	2	**Prep Method:**	3546
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	15.52 g
Total Solids (%):	70.4	**Final Wt/Vol:**	1.0 mL

Analyte	CAS	RT	Result (dry)	Qualifier	MDL (dry)	RDL (dry)
			mg/kg		*mg/kg*	*mg/kg*
Acenaphthene	83-32-9	0	U		0.0154	0.0947
Acenaphthylene	208-96-8	0	U		0.0133	0.0947
Anthracene	120-12-7	0	U		0.0169	0.0947
Benzoic Acid	65-85-0	3.79	U		0.335	4.75
Benzo(a)anthracene	56-55-3	0	U		0.0166	0.0947
Benzo(b)fluoranthene	205-99-2	0	U		0.0176	0.0947
Benzo(k)fluoranthene	207-08-9	0	U		0.0168	0.0947
Benzo(g,h,i)perylene	191-24-2	0	U		0.0173	0.0947
Benzo(a)pyrene	50-32-8	11.72	U		0.0176	0.0947
Carbazole	86-74-8	0	U		0.0293	0.947
Chrysene	218-01-9	0	U		0.0188	0.0947
Dibenz(a,h)anthracene	53-70-3	0	U		0.0263	0.0947
Dibenzofuran	132-64-9	0	U		0.0310	0.947
Fluoranthene	206-44-0	0	U		0.0171	0.0947
Fluorene	86-73-7	0	U		0.0154	0.0947
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.0267	0.0947
1-Methylnaphthalene	90-12-0	4.63	U		0.0121	0.0947
2-Methylnaphthalene	91-57-6	0	U		0.0123	0.0947
Naphthalene	91-20-3	0	U		0.0237	0.0947
Phenanthrene	85-01-8	0	U		0.0188	0.0947
Bis(2-ethylhexyl)phthalate	117-81-7	9.08	U		0.120	0.947
Di-n-butyl phthalate	84-74-2	6.71	U		0.0324	0.947
Di-n-octyl phthalate	117-84-0	0	U		0.0640	0.947
Pyrene	129-00-0	0	U		0.0185	0.0947
3&4-Methyl Phenol	3&4-Methyl Phenol	0	U		0.0296	0.947
Pentachlorophenol	87-86-5	0	U		0.0254	0.947
Phenol	108-95-2	0	U		0.0381	0.947

Sample Narrative:
Dilution due to matrix impact during extract concentration procedure

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051122\0511 30.D Vial: 7
Acq On : 11 May 2022 4:22 pm Operator: 3545
Sample : L1488800-03 1x WG1861634 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:08 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

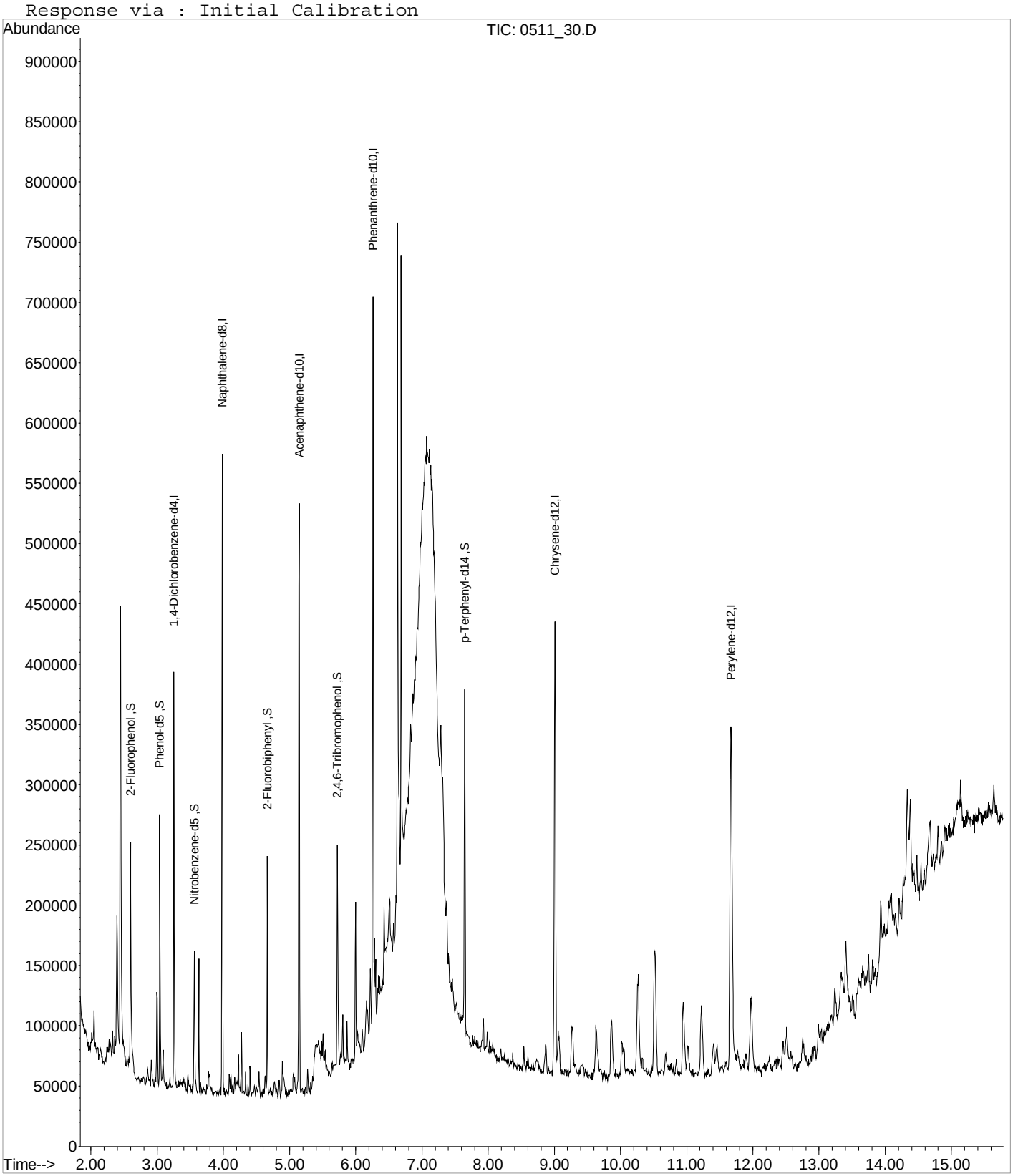
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	41381	8000.00	ppb	0.00
23) Naphthalene-d8	3.98	136	162372	8000.00	ppb	0.00
46) Acenaphthene-d10	5.15	164	81437	8000.00	ppb	0.00
70) Phenanthrene-d10	6.26	188	162972	8000.00	ppb	0.00
84) Chrysene-d12	9.01	240	158229	8000.00	ppb	0.00
94) Perylene-d12	11.67	264	157529	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.60	112	49577	7372.7892869	ppb	0.01
Spiked Amount 20000.000	Range 20 - 120		Recovery = 36.86%			
7) Phenol-d5	3.04	99	56584	7011.0797381	ppb	0.00
Spiked Amount 20000.000	Range 20 - 120		Recovery = 35.06%			
24) Nitrobenzene-d5	3.56	82	25413	3688.6666840	ppb	0.00
Spiked Amount 10000.000	Range 18 - 125		Recovery = 36.89%			
50) 2-Fluorobiphenyl	4.67	172	44239	3220.2291274	ppb	0.00
Spiked Amount 10000.000	Range 28 - 120		Recovery = 32.20%			
73) 2,4,6-Tribromophenol	5.72	330	14518	7869.4282245	ppb	0.00
Spiked Amount 20000.000	Range 17 - 137		Recovery = 39.35%			
87) p-Terphenyl-d14	7.65	244	80939	3743.0507879	ppb	0.00
Spiked Amount 10000.000	Range 13 - 131		Recovery = 37.43%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Data File : C:\MSDCHEM\1\DATA\051122\0511 30.D Vial: 7
Acq On : 11 May 2022 4:22 pm Operator: 3545
Sample : L1488800-03 1x WG1861634 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:08 2022 Quant Results File: S804E04BV.RES

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration



6A-OR

GC/MS INITIAL CALIBRATION DATA

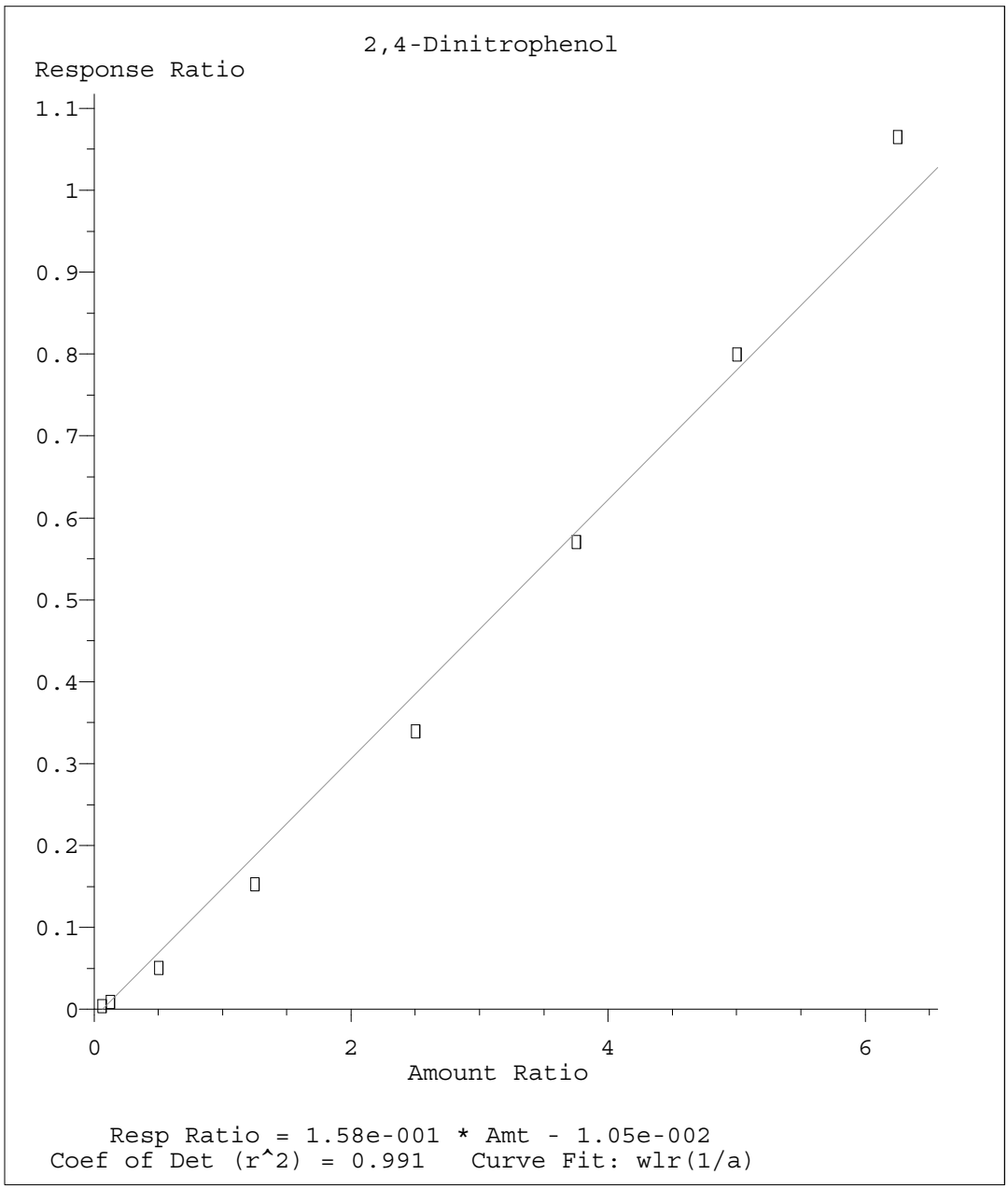
SDG: L1488800 **Analytical Method:** 8270E

Instrument ID: BNAMS4

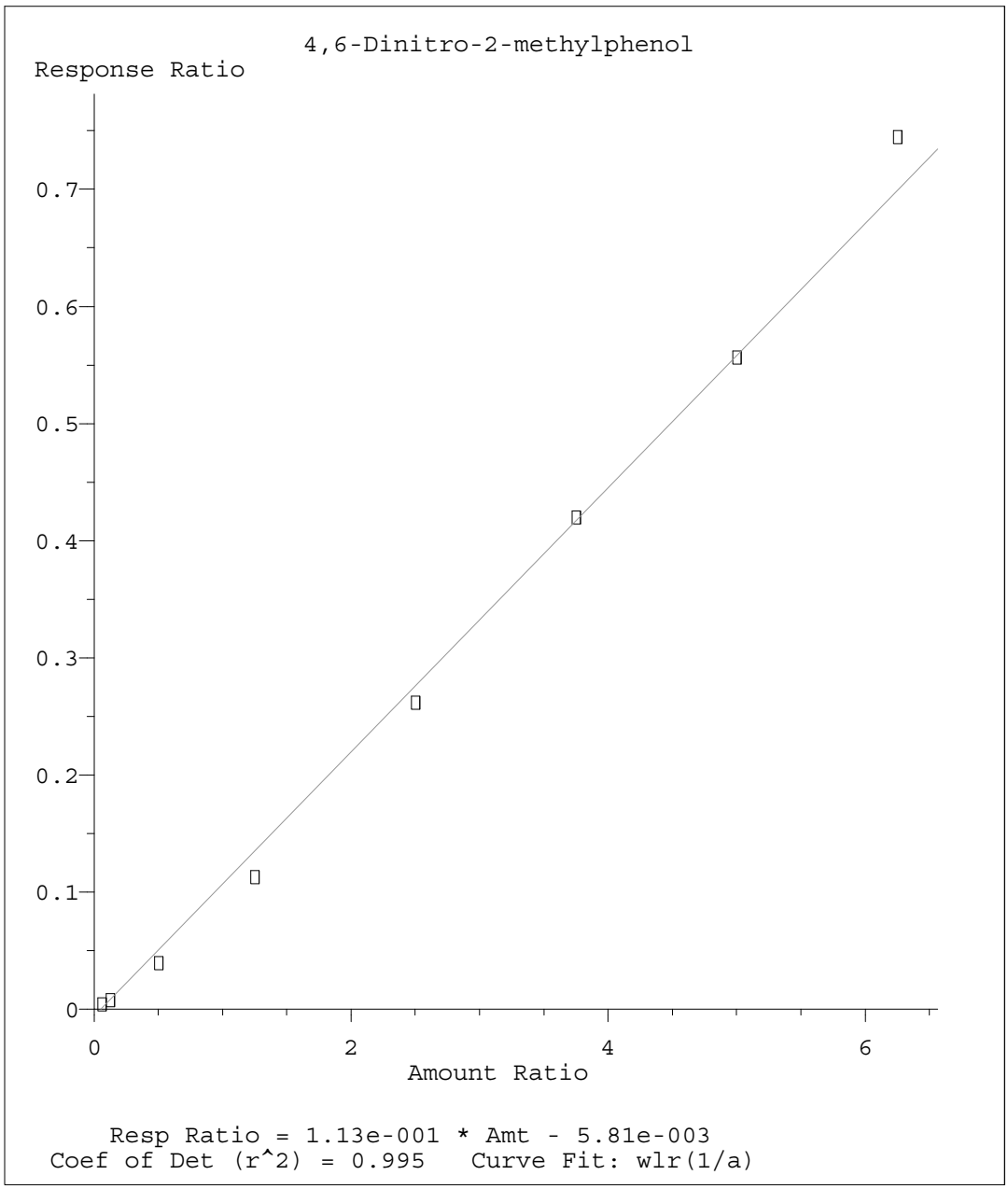
Analyte	**RRF: 500**	**RRF: 1000**	**RRF: 4000**	**RRF: 10000**	**RRF: 20000**	**RRF: 30000**	**RRF: 40000**	**RRF: 50000**	**RRF: 4K1**	**RRF: 10K1**
Analysis date/time	02/09/22 10:43	02/09/22 11:04	02/09/22 11:25	02/09/22 11:46	02/09/22 12:07	02/09/22 12:27	02/09/22 12:48	02/09/22 13:09	02/09/22 13:51	02/09/22 14:11
PHENOL	1.86	1.7610	1.6110	1.6190	1.5890	1.5540	1.5380	1.6160		
3&4-METHYL PHENOL	1.5470	1.4040	1.3310	1.3490	1.31	1.2870	1.2680	1.31		
NAPHTHALENE	1.1570	1.1090	0.9970	1.0020	0.9730	0.9690	0.9590	0.9840		
2-METHYLNAPHTHALENE	0.7650	0.7160	0.6390	0.6560	0.6250	0.6280	0.6270	0.6560		
1-METHYLNAPHTHALENE	0.7270	0.6540	0.6070	0.61	0.5920	0.59	0.5960	0.6150		
ACENAPHTHYLENE	1.9170	1.8280	1.7420	1.7820	1.7190	1.7290	1.74	1.7750		
ACENAPHTHENE	1.33	1.2470	1.1440	1.17	1.1090	1.1180	1.11	1.1350		
DIBENZOFURAN	1.8720	1.7490	1.5850	1.6110	1.5540	1.5280	1.5350	1.55		
FLUORENE	1.4190	1.3880	1.3130	1.3260	1.2610	1.2670	1.27	1.2890		
PHENANTHRENE	1.1840	1.1520	1.0180	1.0260	1.0090	1.0070	0.9990	1.0250		
ANTHRACENE	1.1850	1.1120	1.0030	1.0530	1.0410	1.0380	1.0290	1.0620		
CARBAZOLE	1.0770	1.0220	0.94	0.9840	0.9550	0.9160	0.9280	0.9550		
DI-N-BUTYL PHTHALATE	1.1590	1.0630	1.0420	1.1170	1.1170	1.1430	1.2090	1.2550		
FLUORANTHENE	1.2040	1.1390	1.0510	1.0870	1.0630	1.0850	1.1220	1.1950		
PYRENE	1.3430	1.3720	1.2060	1.2780	1.2960	1.2780	1.2720	1.2520		
BENZO(A)ANTHRACENE	1.27	1.23	1.0720	1.1390	1.1430	1.1290	1.1310	1.1030		
CHRYSENE	1.2320	1.2020	1.0740	1.1040	1.0990	1.0820	1.0840	1.0520		
BIS(2-ETHYLHEXYL)PHTHALATE	0.7150	0.6660	0.6360	0.7410	0.7620	0.7650	0.7620	0.7520		
DI-N-OCTYL PHTHALATE	1.1290	1.0730	1.0570	1.2150	1.2870	1.2960	1.3010	1.2770		
BENZO(B)FLUORANTHENE	1.3280	1.1770	1.0640	1.1090	1.1020	1.1070	1.0910	1.1410		
BENZO(K)FLUORANTHENE	1.2610	1.1670	1.0410	1.1050	1.1010	1.1030	1.0950	1.1080		
BENZO(A)PYRENE	1.0460	1.0160	0.9140	0.97	0.9830	0.9890	0.9780	1		
INDENO(1,2,3-CD)PYRENE	1.0370	1.0050	0.9320	0.9830	0.9830	0.9540	0.9270	0.9370		
DIBENZ(A,H)ANTHRACENE	1.0930	1.1170	0.99	1.0520	1.0270	1.0160	0.9840	0.9890		
BENZO(G,H,I)PERYLENE	1.15	1.0620	0.9870	1.04	1.0060	0.9740	0.93	0.9250		
2-FLUOROPHENOL	1.4680	1.4030	1.2730	1.2720	1.2630	1.2240	1.2140	1.2830		
PHENOL-D5	1.8550	1.5980	1.5240	1.5320	1.5050	1.4770	1.4580	1.5320		
NITROBENZENE-D5	0.39	0.3210	0.3390	0.3160	0.34	0.3450	0.3410	0.3230		
2-FLUOROBIPHENYL	1.5680	1.4650	1.3320	1.3440	1.2780	1.2630	1.2610	1.2850		
2,4,6-TRIBROMOPHENOL	0.0790	0.0770	0.0830	0.0910	0.0930	0.0940	0.1010	0.1070		
P-TERPHENYL-D14	1.1760	1.1190	0.9890	1.0850	1.1070	1.0910	1.1020	1.0760		
PENTACHLOROPHENOL		0.0960	0.1020	0.12	0.1250	0.1290	0.1350	0.1420		
BENZOIC ACID									0.1110	0.1390
File ID:	0209_06	0209_07	0209_08	0209_09	0209_10	0209_11	0209_12	0209_13	0209_15	0209_16

SDG: L1488800 **Analytical Method:** 8270E
Instrument ID: BNAMS4

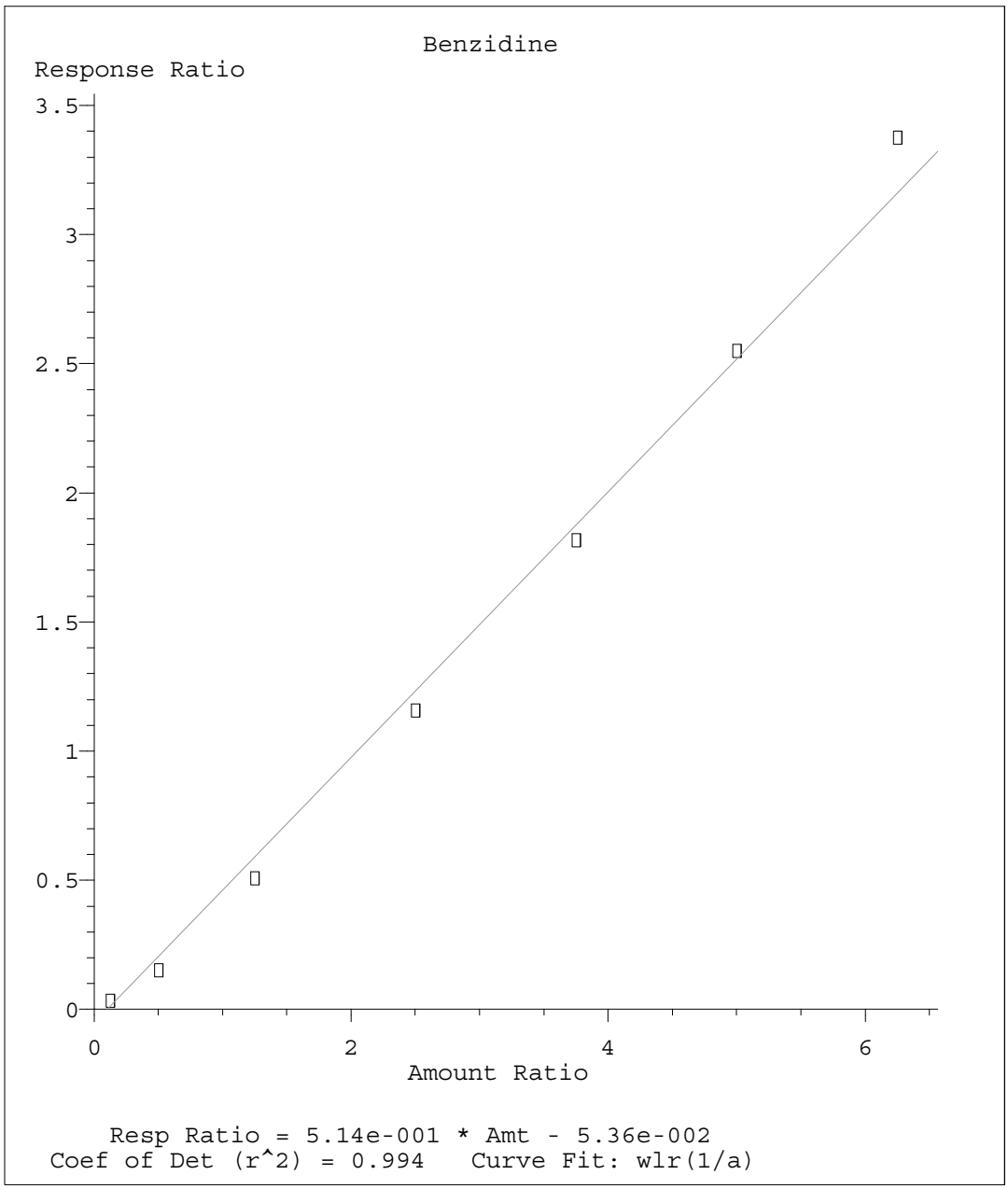
Analyte	**RRF: 20K1**	**RRF: 30K1**	**RRF: 40K1**	**RRF: 50K1**	**RRF. Avg**	**%RSD**	**COD**
Analysis date/time	02/09/22 14:32	02/09/22 14:53	02/09/22 15:14	02/09/22 15:35			
PHENOL					1.643512	6.71	
3&4-METHYL PHENOL					1.350649	6.63	
NAPHTHALENE					1.018747	7.18	
2-METHYLNAPHTHALENE					0.663826	7.61	
1-METHYLNAPHTHALENE					0.623837	7.43	
ACENAPHTHYLENE					1.779211	3.71	
ACENAPHTHENE					1.170435	6.73	
DIBENZOFURAN					1.623192	7.59	
FLUORENE					1.316666	4.46	
PHENANTHRENE					1.052577	6.87	
ANTHRACENE					1.065424	5.42	
CARBAZOLE					0.972084	5.54	
DI-N-BUTYL PHTHALATE					1.138017	6.21	
FLUORANTHENE					1.1182	5.15	
PYRENE					1.28723	3.99	
BENZO(A)ANTHRACENE					1.151953	5.68	
CHRYSENE					1.116357	5.8	
BIS(2-ETHYLHEXYL)PHTHALATE					0.724997	6.75	
DI-N-OCTYL PHTHALATE					1.204403	8.59	
BENZO(B)FLUORANTHENE					1.139642	7.29	
BENZO(K)FLUORANTHENE					1.122546	5.83	
BENZO(A)PYRENE					0.987052	3.86	
INDENO(1,2,3-CD)PYRENE					0.969769	4.03	
DIBENZ(A,H)ANTHRACENE					1.033545	4.86	
BENZO(G,H,I)PERYLENE					1.009366	7.35	
2-FLUOROPHENOL					1.299982	6.82	
PHENOL-D5					1.560263	8.09	
NITROBENZENE-D5					0.339442	6.83	
2-FLUOROBIPHENYL					1.349543	8.23	
2,4,6-TRIBROMOPHENOL					0.090561	11.74	
P-TERPHENYL-D14					1.093292	4.78	
PENTACHLOROPHENOL					0.121187	13.94	
BENZOIC ACID	0.1430	0.1360	0.1310	0.1260	0.13089	8.56	
File ID:	0209_17	0209_18	0209_19	0209_20			



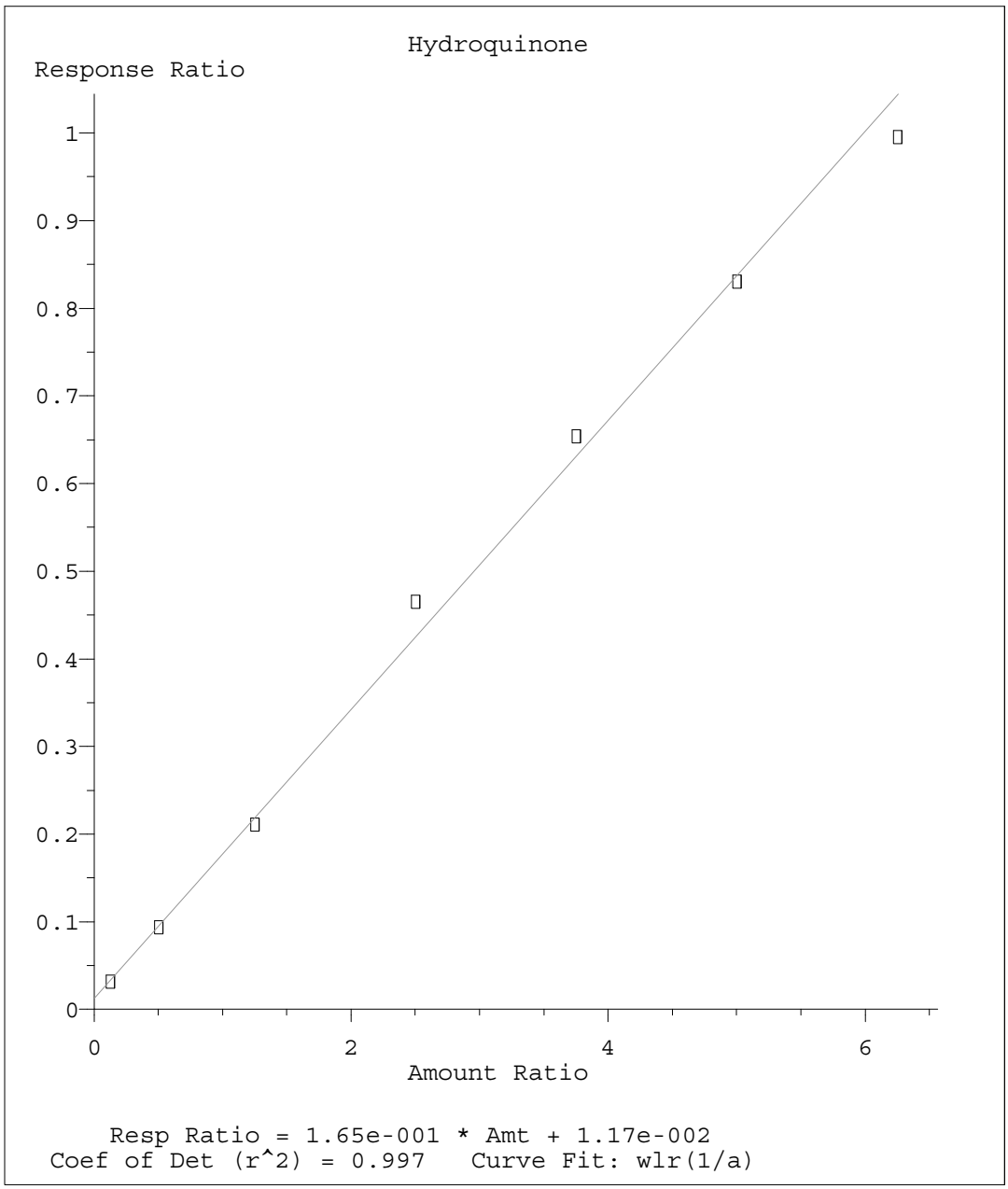
Method Name: C:\MSDCHEM\1\METHODS\S804B09V.M



Method Name: C:\MSDCHEM\1\METHODS\S804B09V.M



Method Name: C:\MSDCHEM\1\METHODS\S804B09V.M



Method Name: C:\MSDCHEM\1\METHODS\S804B09V.M

Response Factor Report BNAMS4

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 17:49:17 2022
Response via : Initial Calibration

Calibration Files
500 =0209 06.D 1K =0209 07.D 4K =0209 08.D
10K =0209_09.D 20K =0209_10.D 30K =0209_11.D

		Compound	500	1K	4K	10K	20K	30K	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
2)	TM	Pyridine	1.278	1.248	1.226	1.224	1.215	1.222	1.238	2.11
3)	MT	N-Nitrosodimeth	0.791	0.721	0.658	0.658	0.631	0.611	0.664	9.34
4)	S	2-Fluorophenol	1.468	1.403	1.273	1.272	1.263	1.224	1.300	6.82
5)	MT	Aniline	0.809	0.804	0.729	0.745	0.717	0.697	0.740	6.02
6)	MT	bis(2-Chloroeth	1.328	1.237	1.062	1.037	1.077	1.116	1.150	8.78
7)	S	Phenol-d5	1.855	1.598	1.524	1.532	1.505	1.477	1.560	8.09
8)	MC	Phenol	1.860	1.761	1.611	1.619	1.589	1.554	1.644	6.71
9)		Benzaldehyde							0.356	4.92
10)	MT	2-Chlorophenol	1.477	1.400	1.305	1.295	1.266	1.249	1.316	6.22
11)	T	n-Decane	0.972	0.830	0.789	0.770	0.731	0.709	0.775	11.94
12)	MT	1,3-Dichloroben	1.717	1.603	1.455	1.474	1.421	1.398	1.488	7.66
13)	MTC	1,4-Dichloroben	1.747	1.661	1.518	1.503	1.485	1.442	1.531	7.38
14)	MT	Benzyl Alcohol	1.106	1.048	0.989	1.007	1.002	0.992	1.018	4.06
15)	MT	1,2-Dichloroben	1.627	1.513	1.396	1.385	1.360	1.324	1.408	7.72
16)	MT	bis(2-Chloroiso	0.614	0.531	0.483	0.469	0.447	0.442	0.482	13.00
17)	MT	2,2-oxybis(1-ch	0.614	0.531	0.483	0.469	0.447	0.442	0.482	13.00
18)	MT	2-Methylphenol	1.336	1.276	1.157	1.194	1.153	1.132	1.189	6.54
19)	MT	Hexachloroethan	0.600	0.593	0.549	0.559	0.545	0.530	0.556	4.83
20)	MP	N-Nitrosodi-n-p	0.979	0.933	0.849	0.875	0.841	0.818	0.869	6.73
21)	MT	3&4-Methyl phen	1.547	1.404	1.331	1.349	1.310	1.287	1.351	6.63
22)	MT	Acetophenone							1.654	2.40
23)	I	Naphthalene-d8	----------ISTD----------							
24)	S	Nitrobenzene-d5	0.390	0.321	0.339	0.316	0.340	0.345	0.339	6.83
25)	MT	Nitrobenzene	0.370	0.342	0.326	0.333	0.320	0.320	0.332	5.25
26)	MT	Isophorone	0.663	0.613	0.559	0.595	0.580	0.586	0.595	5.24
27)	MCT	2-Nitrophenol	0.172	0.163	0.155	0.163	0.165	0.169	0.167	4.46
28)	MT	2,4-Dimethylphe	0.342	0.334	0.302	0.302	0.297	0.303	0.311	5.62
29)	MT	bis(2-Chloretho	0.449	0.419	0.366	0.371	0.360	0.359	0.381	9.03
30)	MCT	2,4-Dichlorophe	0.284	0.271	0.247	0.260	0.255	0.257	0.262	4.42
31)	MT	Benzoic Acid							0.131	8.56
32)	MT	1,2,4-Trichloro	0.335	0.317	0.288	0.289	0.278	0.274	0.293	7.40
33)	MT	alpha-terpineol							0.251	14.78
34)	MT	Naphthalene	1.157	1.109	0.997	1.002	0.973	0.969	1.019	7.18
35)	MT	4-Chloroaniline	0.127	0.128	0.116	0.119	0.113	0.115	0.118	5.02
36)	MCT	Hexachloro-1,3-	0.188	0.166	0.153	0.158	0.152	0.151	0.160	7.77
37)		Hydroquinone							0.185	16.97
38)	MT	Quinoline							0.533	14.37
39)	MT	Caprolactam							0.055	10.67
40)	MCT	4-Chloro-3-meth	0.283	0.267	0.250	0.262	0.259	0.262	0.264	3.75
41)	MT	2-Methylnaphtha	0.765	0.716	0.639	0.656	0.625	0.628	0.664	7.61
42)	MT	1-Methylnaphtha	0.727	0.654	0.607	0.610	0.592	0.590	0.624	7.43
43)	MT	1,2,4,5-Tetrach							0.214	14.86
44)		Diphenyl Ether							0.342	14.08
45)		Diphenyl Oxide							0.342	14.08
46)	I	Acenaphthene-d10	----------ISTD----------							
47)	MPT	Hexachlorocyclo	0.392	0.376	0.366	0.371	0.367	0.370	0.375	2.29
48)	MCT	2,4,6-Trichloro	0.395	0.343	0.318	0.333	0.327	0.352	0.347	6.74
49)	MT	2,4,5-Trichloro	0.362	0.375	0.352	0.375	0.364	0.343	0.361	3.07
50)	S	2-Fluorobipheny	1.568	1.465	1.332	1.344	1.278	1.263	1.350	8.23
51)	MT	Biphenyl	1.711	1.622	1.487	1.490	1.411	1.401	1.499	7.42
52)	MT	2-Chloronaphtha	1.276	1.255	1.149	1.153	1.091	1.072	1.144	7.16
53)	MT	2-Nitroaniline	0.334	0.327	0.326	0.364	0.362	0.370	0.355	6.12
54)	MT	Acenaphthylene	1.917	1.828	1.742	1.782	1.719	1.729	1.779	3.71

(#) = Out of Range ### Number of calibration levels exceeded format ###

S804B09V.M Sat Feb 19 13:22:02 2022 Page 1

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 17:49:17 2022
Response via : Initial Calibration

Calibration Files
500 =0209 06.D 1K =0209 07.D 4K =0209 08.D
10K =0209_09.D 20K =0209_10.D 30K =0209_11.D

		Compound	500	1K	4K	10K	20K	30K	Avg	%RSD
55)	MT	Dimethyl phthal	1.249	1.203	1.131	1.200	1.165	1.172	1.185	3.02
56)	MT	2,6-Dinitrotolu	0.255	0.251	0.256	0.286	0.283	0.287	0.275	6.29
57)	MT	3-Nitroaniline	0.267	0.255	0.278	0.308	0.306	0.315	0.296	8.64
58)	MCT	Acenaphthene	1.330	1.247	1.144	1.170	1.109	1.118	1.170	6.73
59)	MPT	2,4-Dinitrophen	0.062	0.072	0.100	0.122	0.136	0.152	0.122	33.30
60)	MT	Dibenzofuran	1.872	1.749	1.585	1.611	1.554	1.528	1.623	7.59
61)	MT	2,4-Dinitrotolu	0.292	0.296	0.313	0.350	0.366	0.367	0.344	11.15
62)	T	2,3,4,6-Tetrach							0.228	3.11
63)	MPT	4-Nitrophenol	0.235	0.200	0.222	0.250	0.253	0.263	0.244	9.73
64)	MT	Fluorene	1.419	1.388	1.313	1.326	1.261	1.267	1.317	4.46
65)	MT	4-Chlorophenyl-	0.726	0.679	0.607	0.624	0.592	0.580	0.624	8.28
66)	MT	Diethyl phthala	1.293	1.255	1.186	1.217	1.177	1.194	1.214	3.32
67)	MT	4-Nitroaniline	0.274	0.262	0.287	0.298	0.303	0.298	0.277	8.67
68)	MT	Azobenzene	1.317	1.240	1.192	1.245	1.172	1.163	1.211	4.41
69)	MT	Atrazine							0.327	2.53
70)	I	Phenanthrene-d10	----------ISTD----------							
71)	MT	4,6-Dinitro-2-m	0.062	0.063	0.079	0.090	0.105	0.112	0.093	24.46
72)	MCT	N-Nitrosodiphen	0.639	0.604	0.572	0.592	0.585	0.597	0.608	4.74
73)	S	2,4,6-Tribromop	0.079	0.077	0.083	0.091	0.093	0.094	0.091	11.74
74)	MT	4-Bromophenyl-p	0.199	0.199	0.191	0.194	0.192	0.193	0.197	3.66
75)	MT	Hexachlorobenze	0.243	0.233	0.202	0.209	0.207	0.212	0.220	6.70
76)	T	n-octadecane	0.153	0.127	0.114	0.120	0.113	0.113	0.122	10.82
77)	MCT	Pentachlorophen		0.096	0.102	0.120	0.125	0.129	0.121	13.94
78)	MT	Phenanthrene	1.184	1.152	1.018	1.026	1.009	1.007	1.053	6.87
79)	MT	Anthracene	1.185	1.112	1.003	1.053	1.041	1.038	1.065	5.42
80)	MT	Carbazole	1.077	1.022	0.940	0.984	0.955	0.916	0.972	5.54
81)	MT	Di-n-butyl phth	1.159	1.063	1.042	1.117	1.117	1.143	1.138	6.21
82)	MT	2-nitrodiphenyl							0.202	14.20
83)	MCT	Fluoranthene	1.204	1.139	1.051	1.087	1.063	1.085	1.118	5.15
84)	I	Chrysene-d12	----------ISTD----------							
85)	MT	Benzidine							0.423	25.01
86)	MT	Pyrene	1.343	1.372	1.206	1.278	1.296	1.278	1.287	3.99
87)	S	p-Terphenyl-d14	1.176	1.119	0.989	1.085	1.107	1.091	1.093	4.78
88)	MT	Benzylbutyl pht	0.532	0.484	0.472	0.528	0.551	0.549	0.526	5.91
89)	MT	3,3-Dichloroben							0.412	4.48
90)	MT	Benzo(a)anthrac	1.270	1.230	1.072	1.139	1.143	1.129	1.152	5.68
91)	MT	Chrysene	1.232	1.202	1.074	1.104	1.099	1.082	1.116	5.80
92)	MT	bis(2-Ethylhexy	0.715	0.666	0.636	0.741	0.762	0.765	0.725	6.75
93)	MC	Di-n-octyl phth	1.129	1.073	1.057	1.215	1.287	1.296	1.204	8.59
94)	I	Perylene-d12	----------ISTD----------							
95)	MT	Benzo(b)fluoran	1.328	1.177	1.064	1.109	1.102	1.107	1.140	7.29
96)	MT	Benzo(k)fluoran	1.261	1.167	1.041	1.105	1.101	1.103	1.123	5.83
97)	MC	Benzo(a)pyrene	1.046	1.016	0.914	0.970	0.983	0.989	0.987	3.86
98)	MT	Indeno(1,2,3-cd	1.037	1.005	0.932	0.983	0.983	0.954	0.970	4.03
99)	MT	Dibenz(a,h)anth	1.093	1.117	0.990	1.052	1.027	1.016	1.034	4.86
100)	MT	Benzo(g,h,i)per	1.150	1.062	0.987	1.040	1.006	0.974	1.009	7.35

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 06.D Vial: 3
Acq On : 9 Feb 2022 10:43 am Operator: 917
Sample : STD SVMS 500 PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:40 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:18:21 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	73198m	8000.00 ppb	0.00
23) Naphthalene-d8	4.26	136	291221	8000.00 ppb	0.00
46) Acenaphthene-d10	5.44	164	151021	8000.00 ppb	0.00
70) Phenanthrene-d10	6.57	188	282418	8000.00 ppb	0.00
84) Chrysene-d12	9.54	240	254847	8000.00 ppb	0.00
94) Perylene-d12	12.39	264	266366	8000.00 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.85	112	6716	564.7582426 ppb	0.00
Spiked Amount 666.000			Recovery = 84.80%		
7) Phenol-d5	3.28	99	8487	594.6294949 ppb	0.00
Spiked Amount 666.000			Recovery = 89.28%		
24) Nitrobenzene-d5	3.82	82	7103	566.4718290 ppb	0.00
Spiked Amount 333.000			Recovery = 170.11%		
50) 2-Fluorobiphenyl	4.95	172	14804	581.0921036 ppb	0.00
Spiked Amount 333.000			Recovery = 174.50%		
73) 2,4,6-Tribromophenol	6.02	330	1390	434.7822532 ppb	0.00
Spiked Amount 666.000			Recovery = 65.28%		
87) p-Terphenyl-d14	8.04	244	18732	537.8468042 ppb	0.00
Spiked Amount 333.000			Recovery = 161.52%		
Target Compounds					Qvalue
2) Pyridine	2.31	79	5846	516.2841543 ppb #	85
3) N-Nitrosodimethylamine	2.29	42	3617	595.1420623 ppb	89
5) Aniline	3.34	66	3700	546.4526374 ppb	87
6) bis(2-Chloroethyl)ether	3.36	93	6074m	280.2271058 ppb	
8) Phenol	3.29	94	8510	566.0388074 ppb	95
10) 2-Chlorophenol	3.41	128	6755	561.1658820 ppb	97
11) n-Decane	3.40	41	4449	627.4781303 ppb #	89
12) 1,3-Dichlorobenzene	3.49	146	7856	577.2009286 ppb	95
13) 1,4-Dichlorobenzene	3.53	146	7993	570.5643647 ppb	92
14) Benzyl Alcohol	3.58	79	5058	543.2830139 ppb	94
15) 1,2-Dichlorobenzene	3.61	146	7444	578.0573187 ppb	94
16) bis(2-Chloroisopropyl)ethe	3.65	121	2809	637.4442809 ppb #	55
17) 2,2-oxybis(1-chloropropane	3.65	121	2809	637.4442809 ppb #	55
18) 2-Methylphenol	3.62	108	6113	561.9967038 ppb	97
19) Hexachloroethane	3.80	117	2744	539.6006744 ppb	98
20) N-Nitrosodi-n-propylamine	3.72	70	4481	563.7205314 ppb	99
21) 3&4-Methyl phenol	3.70	107	7078	572.8724821 ppb	95
25) Nitrobenzene	3.84	77	6737	557.6116506 ppb	91
26) Isophorone	3.96	82	12066	556.7216060 ppb	99
27) 2-Nitrophenol	4.02	139	3136	514.9782790 ppb	93
28) 2,4-Dimethylphenol	4.01	107	6231	550.9528074 ppb	95
29) bis(2-Chlorethoxy)methane	4.08	93	8179	590.2143618 ppb	94
30) 2,4-Dichlorophenol	4.15	162	5177	543.3798696 ppb	95
32) 1,2,4-Trichlorobenzene	4.22	180	6095	571.5118181 ppb	98
34) Naphthalene	4.27	128	21058	567.8297386 ppb	99
35) 4-Chloroaniline	4.29	65	2308	535.6261108 ppb	97
36) Hexachloro-1,3-butadiene	4.33	225	3425	588.6986796 ppb #	84
40) 4-Chloro-3-methylphenol	4.57	107	5149	536.1373266 ppb	88
41) 2-Methylnaphthalene	4.71	142	13922	576.1219160 ppb	99
42) 1-Methylnaphthalene	4.78	142	13232	582.6684229 ppb	99
47) Hexachlorocyclopentadiene	4.81	237	3703	523.3554859 ppb	94
48) 2,4,6-Trichlorophenol	4.89	196	3726	568.8364160 ppb	87
49) 2,4,5-Trichlorophenol	4.91	196	3416	501.1076239 ppb	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 06.D Vial: 3
Acq On : 9 Feb 2022 10:43 am Operator: 917
Sample : STD SVMS 500 PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:40 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:18:21 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

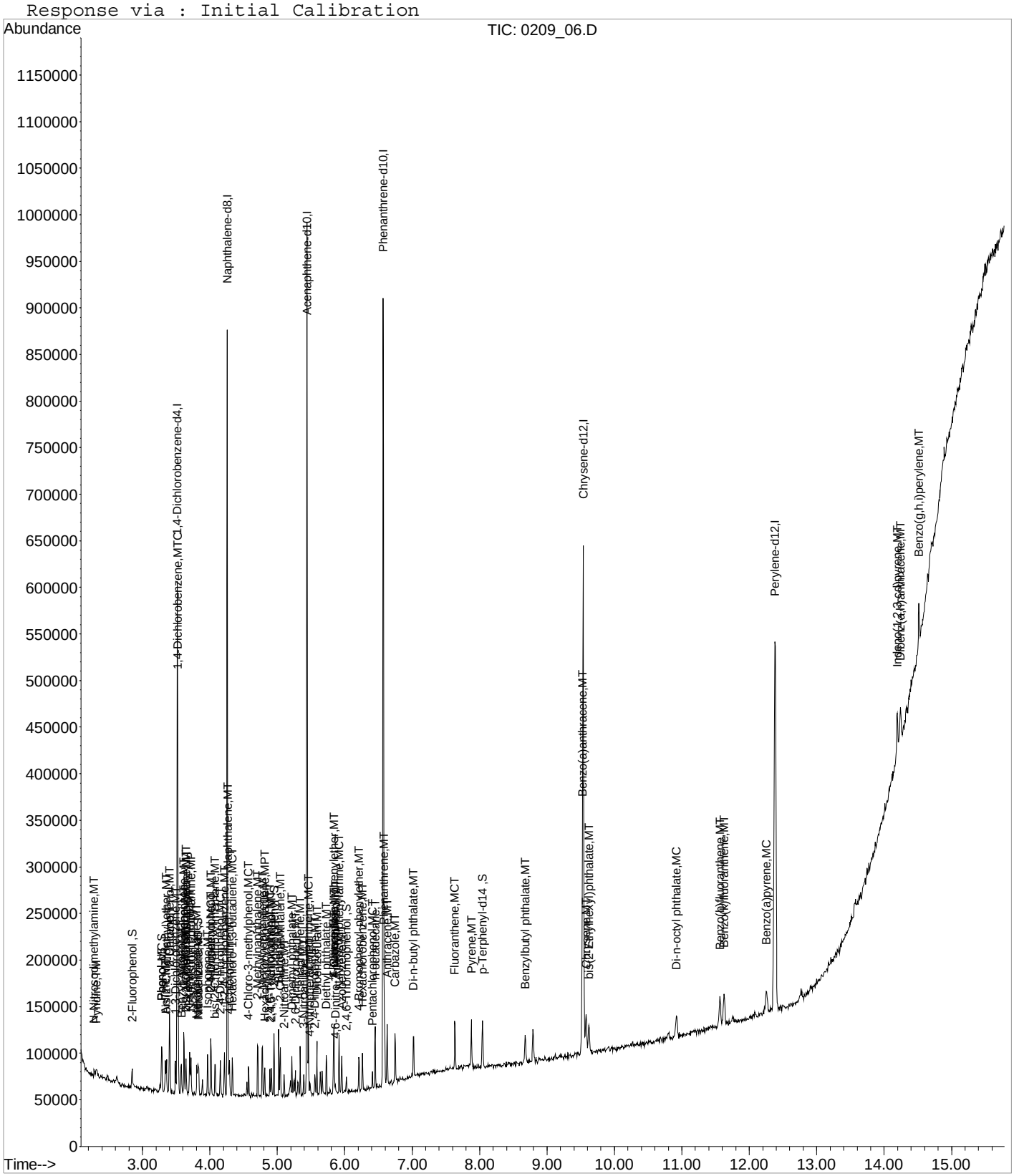
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	Biphenyl	5.02	154	16154	571.0219592	ppb		98
52)	2-Chloronaphthalene	5.05	162	12048	558.0401136	ppb		95
53)	2-Nitroaniline	5.10	138	3154	471.2803774	ppb	#	93
54)	Acenaphthylene	5.34	152	18097	538.8052071	ppb		98
55)	Dimethyl phthalate	5.22	163	11792	527.1899145	ppb		93
56)	2,6-Dinitrotoluene	5.27	165	2406	463.9446622	ppb		92
57)	3-Nitroaniline	5.39	138	2518	450.9660011	ppb		89
58)	Acenaphthene	5.46	153	12554	568.1820999	ppb		96
60)	Dibenzofuran	5.59	168	17674	576.7899184	ppb	#	97
61)	2,4-Dinitrotoluene	5.56	165	2753	423.9069814	ppb	#	80
63)	4-Nitrophenol	5.49	139	2219	481.1339126	ppb		93
64)	Fluorene	5.84	166	13394	538.8741946	ppb		99
65)	4-Chlorophenyl-phenylether	5.83	204	6853	581.3973883	ppb		96
66)	Diethyl phthalate	5.73	149	12208	532.7351724	ppb		97
67)	4-Nitroaniline	5.84	138	2583	493.9183878	ppb		98
68)	Azobenzene	5.95	77	12432	543.8645129	ppb		96
71)	4,6-Dinitro-2-methylphenol	5.86	198	1098	335.9892172	ppb		80
72)	N-Nitrosodiphenylamine	5.92	169	11278	525.5181216	ppb		95
74)	4-Bromophenyl-phenylether	6.21	248	3507	503.5169622	ppb		90
75)	Hexachlorobenzene	6.26	284	4283	552.6506620	ppb		97
76)	n-octadecane	6.45	55	2700	624.8296052	ppb	#	88
77)	Pentachlorophenol	6.41	266	1641	395.0735832	ppb		87
78)	Phenanthrene	6.59	178	20891	562.2158818	ppb		93
79)	Anthracene	6.63	178	20925	556.3404017	ppb		99
80)	Carbazole	6.75	167	19009	553.9274983	ppb		99
81)	Di-n-butyl phthalate	7.02	149	20464	509.3768613	ppb		99
83)	Fluoranthene	7.64	202	21245	538.1889960	ppb		98
86)	Pyrene	7.88	202	21399	521.8526444	ppb		98
88)	Benzylbutyl phthalate	8.68	149	8466	504.9149051	ppb		93
90)	Benzo(a)anthracene	9.52	228	20222	551.0613246	ppb		94
91)	Chrysene	9.58	228	19627	551.9009123	ppb		97
92)	bis(2-Ethylhexyl)phthalate	9.62	149	11394	493.3450222	ppb		98
93)	Di-n-octyl phthalate	10.92	149	17985	468.7583125	ppb		99
95)	Benzo(b)fluoranthene	11.57	252	22101	582.4447660	ppb		95
96)	Benzo(k)fluoranthene	11.62	252	20993	561.6702641	ppb		98
97)	Benzo(a)pyrene	12.25	252	17410	529.7489985	ppb		97
98)	Indeno(1,2,3-cd)pyrene	14.20	276	17264	534.6681369	ppb		98
99)	Dibenz(a,h)anthracene	14.24	278	18203	528.7141684	ppb		95
100)	Benzo(g,h,i)perylene	14.52	276	19143	569.6031683	ppb		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 06.D Vial: 3
Acq On : 9 Feb 2022 10:43 am Operator: 917
Sample : STD SVMS 500 PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:40 2022 Quant Results File: S804B09V.RES

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:18:21 2022
Response via : Initial Calibration

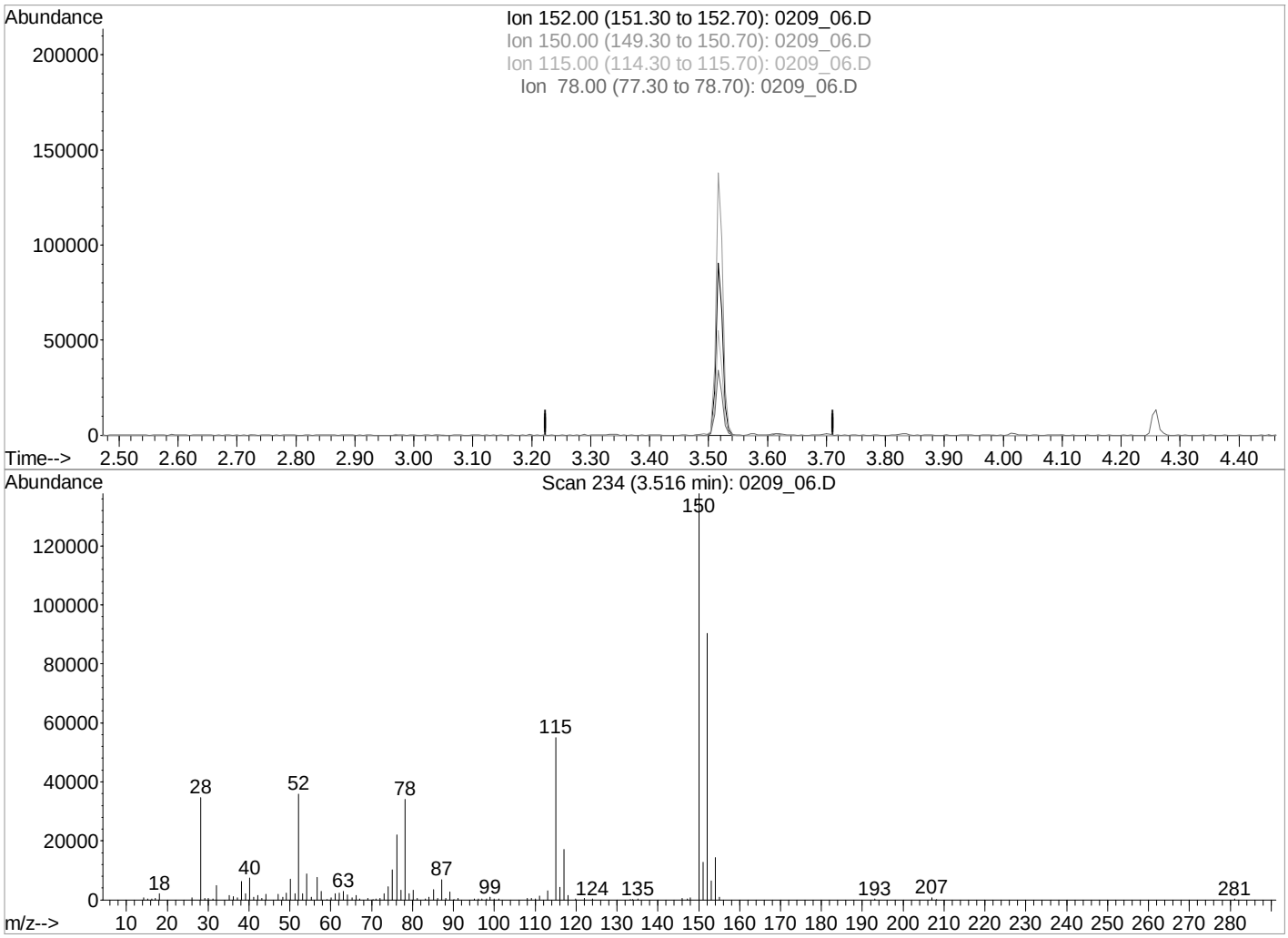


0209_06.D S804B09V.M Mon Feb 14 15:44:29 2022 Page 3

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 06.D Vial: 3
Acq On : 9 Feb 2022 10:43 am Operator: 917
Sample : STD SVMS 500 PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:37 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:18:21 2022
Response via : Multiple Level Calibration



TIC: 0209_06.D

(1) 1,4-Dichlorobenzene-d4 (I)

3.52min (-3.516) 0.0000000 ppb d

response 0

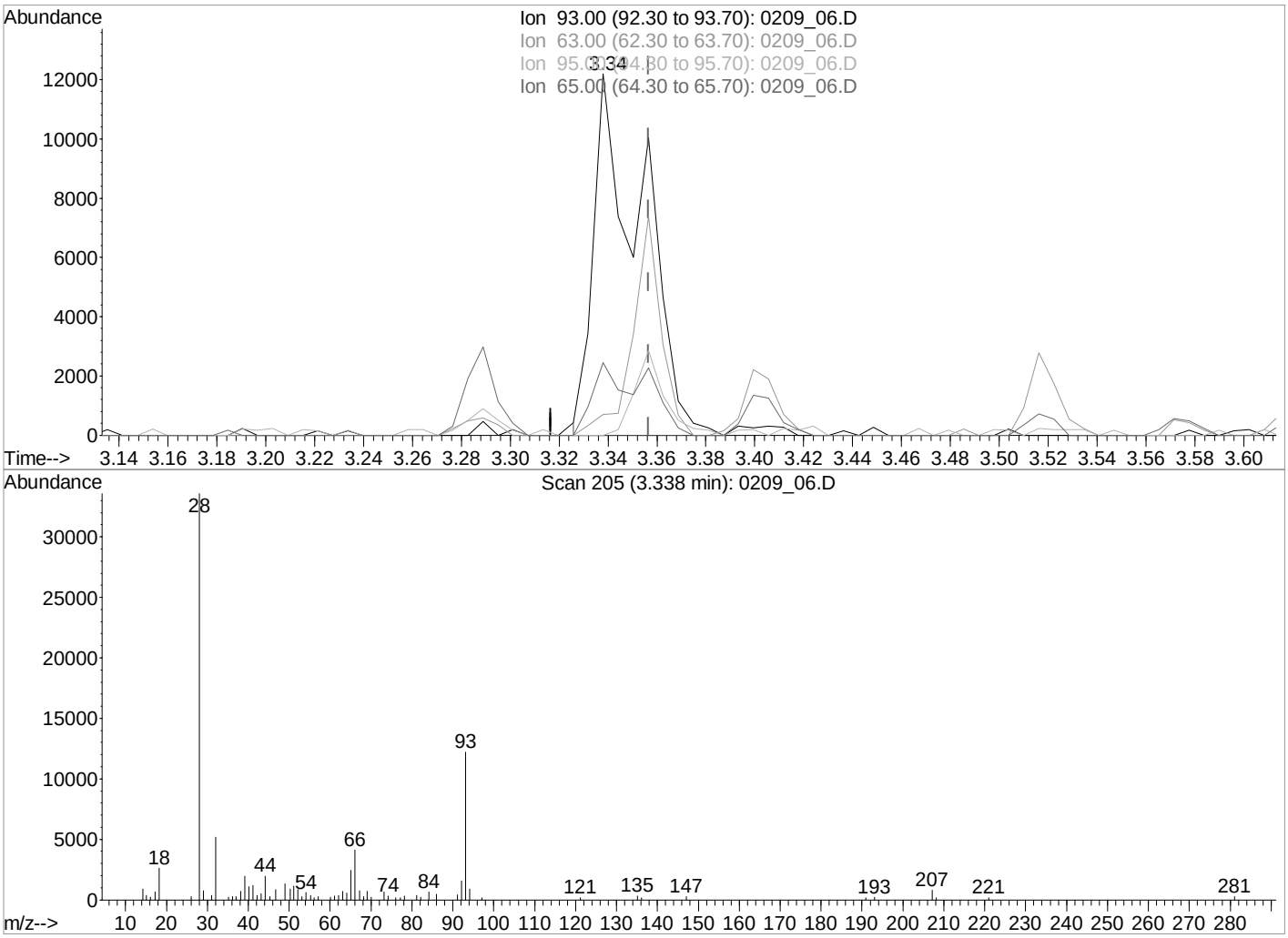
Ion	Exp%	Act%
152.00	100	0.00
150.00	155.20	0.00
115.00	59.30	0.00
78.00	35.00	0.00

0209_06.D S804B09V.M Mon Feb 14 15:38:07 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 06.D Vial: 3
Acq On : 9 Feb 2022 10:43 am Operator: 917
Sample : STD SVMS 500 PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:38 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:18:21 2022
Response via : Multiple Level Calibration



TIC: 0209_06.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.018) 773.8770947 ppb

response 16774

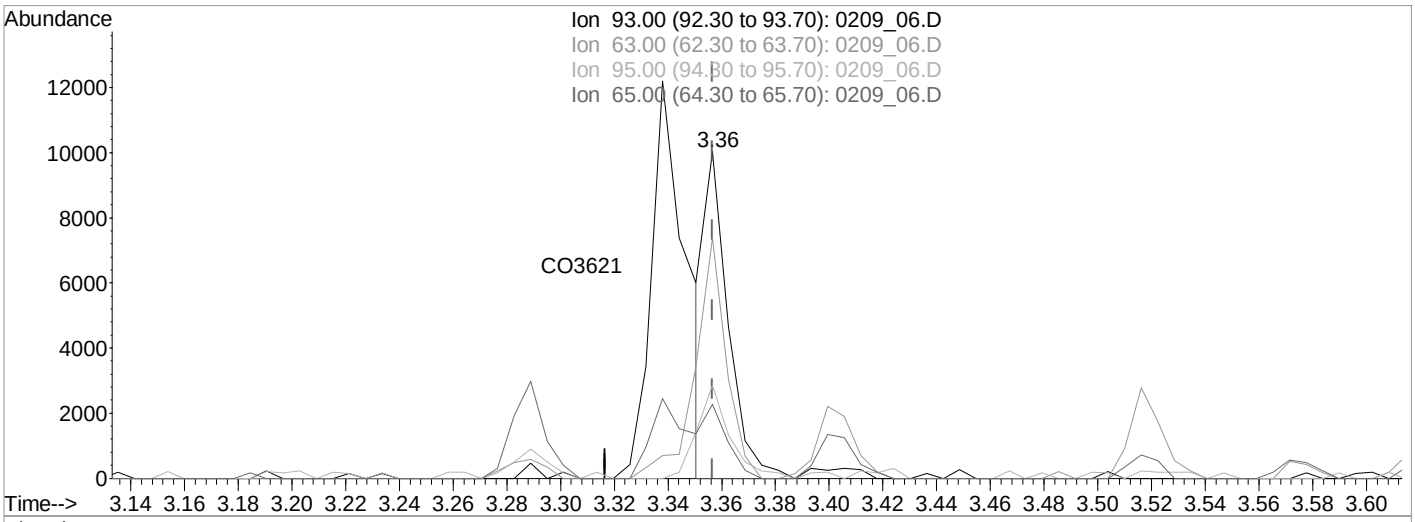
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.71#
95.00	30.20	0.00#
65.00	24.00	20.09

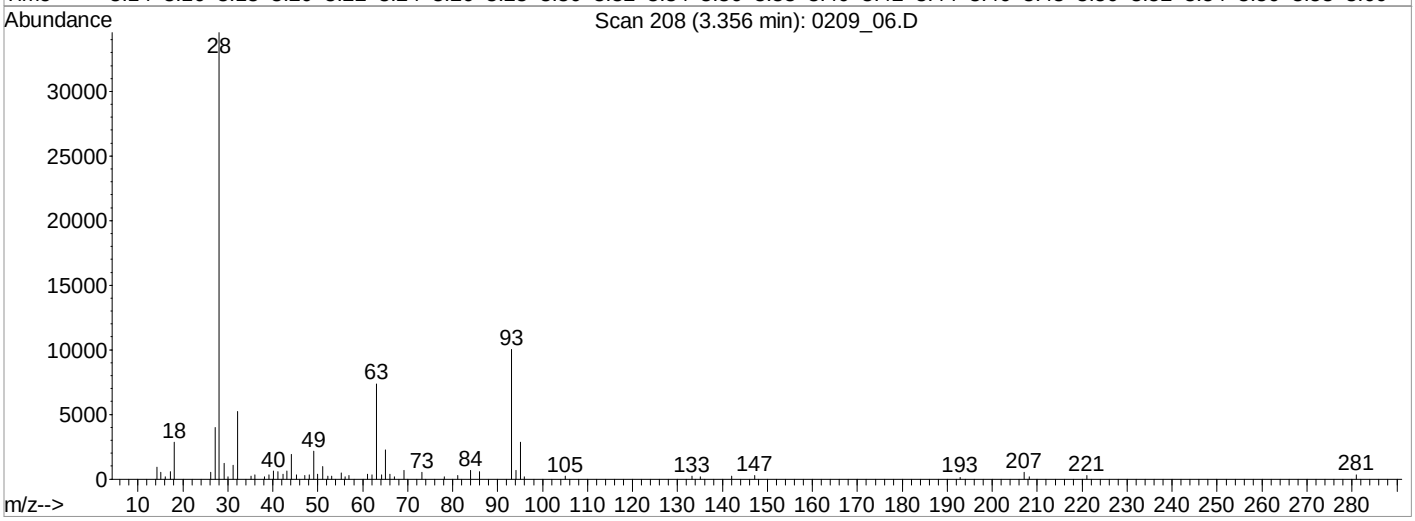
0209_06.D S804B09V.M Mon Feb 14 15:39:52 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 06.D Vial: 3
Acq On : 9 Feb 2022 10:43 am Operator: 917
Sample : STD SVMS 500 PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:40 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:18:21 2022
Response via : Multiple Level Calibration





TIC: 0209_06.D

(6) bis(2-Chloroethyl)ether (MT)

3.36min (0.000) 280.2271058 ppb m

response 6074

Ion	Exp%	Act%
93.00	100	100
63.00	76.20	73.44
95.00	30.20	28.46
65.00	24.00	22.56

0209_06.D S804B09V.M Mon Feb 14 15:40:10 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 07.D Vial: 4
Acq On : 9 Feb 2022 11:04 am Operator: 917
Sample : STD SVMS 1K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:47 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:19:47 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	76270	8000.00	ppb		0.00
23) Naphthalene-d8	4.26	136	301288	8000.00	ppb		0.00
46) Acenaphthene-d10	5.44	164	154859	8000.00	ppb		0.00
70) Phenanthrene-d10	6.57	188	290690	8000.00	ppb		0.00
84) Chrysene-d12	9.54	240	252819	8000.00	ppb		0.00
94) Perylene-d12	12.38	264	273649	8000.00	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.85	112	13374	1024.1746086	ppb		0.00
Spiked Amount 666.000			Recovery = 153.78%				
7) Phenol-d5	3.28	99	15234	943.4936610	ppb		0.00
Spiked Amount 666.000			Recovery = 141.67%				
24) Nitrobenzene-d5	3.82	82	12081m	907.8777697	ppb		0.00
Spiked Amount 333.000			Recovery = 272.64%				
50) 2-Fluorobiphenyl	4.95	172	28365	1006.2816806	ppb		0.00
Spiked Amount 333.000			Recovery = 302.19%				
73) 2,4,6-Tribromophenol	6.02	330	2781	902.8887466	ppb		0.00
Spiked Amount 666.000			Recovery = 135.57%				
87) p-Terphenyl-d14	8.04	244	35378	990.0403797	ppb		0.00
Spiked Amount 333.000			Recovery = 297.31%				
Target Compounds							Qvalue
2) Pyridine	2.31	79	11901	998.1129452	ppb		94
3) N-Nitrosodimethylamine	2.29	42	6873	995.7330245	ppb		90
5) Aniline	3.34	66	7669	1035.6691945	ppb	#	95
6) bis(2-Chloroethyl)ether	3.36	93	11795m	558.9513471	ppb		
8) Phenol	3.29	94	16788	1012.5031366	ppb		99
10) 2-Chlorophenol	3.41	128	13345	1010.2445624	ppb		99
11) n-Decane	3.40	41	7909	952.1233752	ppb	#	90
12) 1,3-Dichlorobenzene	3.49	146	15281	1004.7592285	ppb		96
13) 1,4-Dichlorobenzene	3.53	146	15836	1022.2006471	ppb		96
14) Benzyl Alcohol	3.58	79	9993	992.2878509	ppb		94
15) 1,2-Dichlorobenzene	3.61	146	14424	1004.8210774	ppb		99
16) bis(2-Chloroisopropyl)ethe	3.65	121	5060	980.4227239	ppb		68
17) 2,2-oxybis(1-chloropropane	3.65	121	5060	980.4227239	ppb		68
18) 2-Methylphenol	3.62	108	12162	1008.5121853	ppb		98
19) Hexachloroethane	3.80	117	5649	1022.8026899	ppb		95
20) N-Nitrosodi-n-propylamine	3.72	70	8897	1006.4466665	ppb		95
21) 3&4-Methyl phenol	3.70	107	13385	969.5977105	ppb		96
25) Nitrobenzene	3.84	77	12867	971.7918627	ppb		97
26) Isophorone	3.96	82	23074	973.7600763	ppb		99
27) 2-Nitrophenol	4.02	139	6136	971.3209513	ppb		95
28) 2,4-Dimethylphenol	4.01	107	12562	1035.6727790	ppb		99
29) bis(2-Chlorethoxy)methane	4.08	93	15787	1022.5280775	ppb		95
30) 2,4-Dichlorophenol	4.15	162	10201	995.5789595	ppb		97
32) 1,2,4-Trichlorobenzene	4.22	180	11941	1016.2429131	ppb		99
34) Naphthalene	4.27	128	41782	1027.7434603	ppb		99
35) 4-Chloroaniline	4.29	65	4826	1042.1949294	ppb		96
36) Hexachloro-1,3-butadiene	4.33	225	6244	957.7274149	ppb		92
40) 4-Chloro-3-methylphenol	4.57	107	10067	981.5027088	ppb		86
41) 2-Methylnaphthalene	4.71	142	26958	1007.7179044	ppb		99
42) 1-Methylnaphthalene	4.78	142	24628	978.4163804	ppb		99
47) Hexachlorocyclopentadiene	4.81	237	7287	986.5856772	ppb		97
48) 2,4,6-Trichlorophenol	4.89	196	6640	943.0418676	ppb		95
49) 2,4,5-Trichlorophenol	4.91	196	7255	1017.6821826	ppb		93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 07.D Vial: 4
Acq On : 9 Feb 2022 11:04 am Operator: 917
Sample : STD SVMS 1K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:47 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:19:47 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

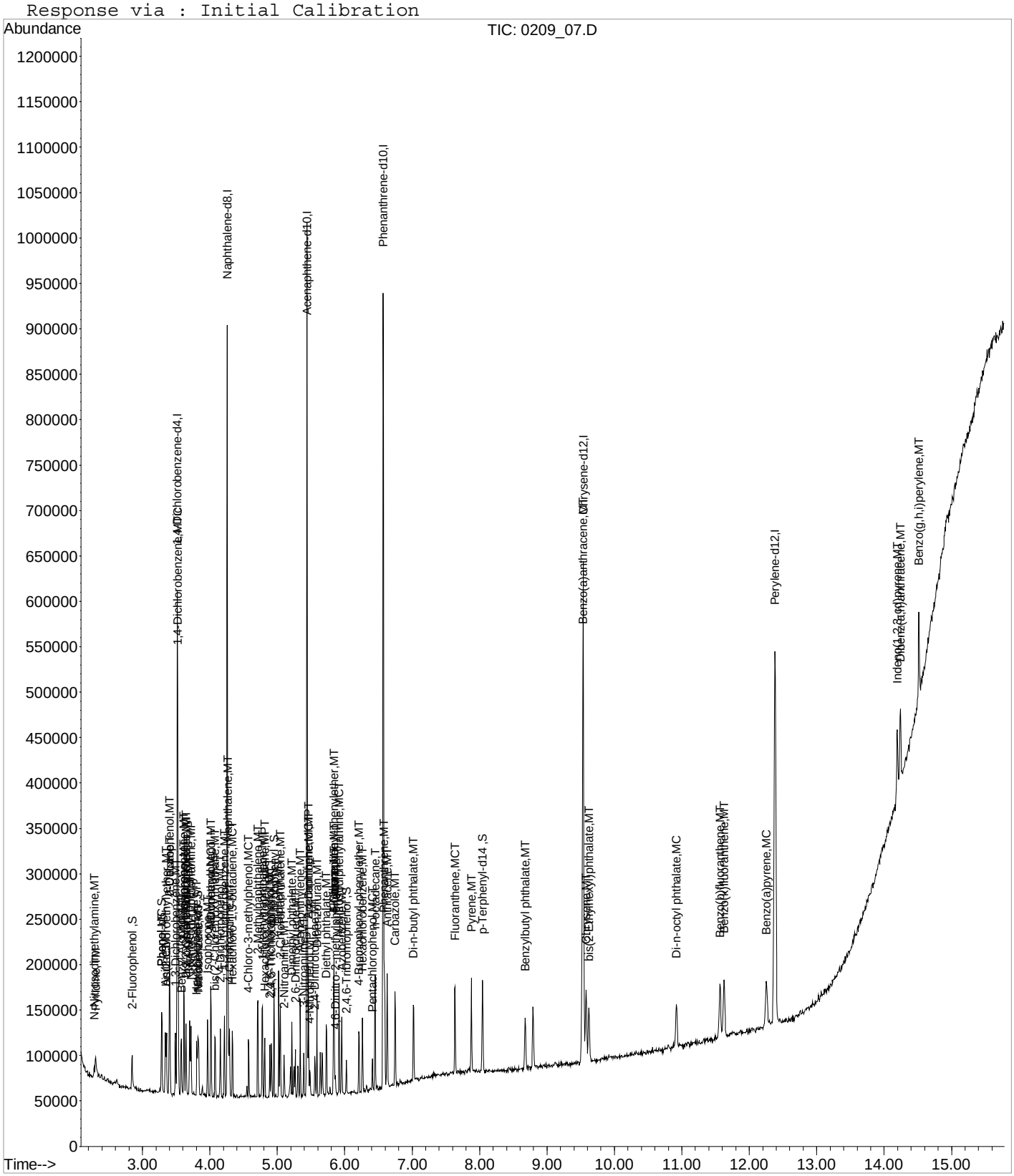
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	Biphenyl	5.02	154	31396	1013.2193660	ppb		98
52)	2-Chloronaphthalene	5.05	162	24285	1032.7965655	ppb		97
53)	2-Nitroaniline	5.10	138	6335	936.9430644	ppb	#	96
54)	Acenaphthylene	5.34	152	35382	988.1131522	ppb		99
55)	Dimethyl phthalate	5.22	163	23291	982.3490986	ppb		96
56)	2,6-Dinitrotoluene	5.27	165	4865	928.8368997	ppb		99
57)	3-Nitroaniline	5.39	138	4936	887.3217022	ppb		91
58)	Acenaphthene	5.46	153	24135	997.3544259	ppb		99
59)	2,4-Dinitrophenol	5.46	184	1390	781.2926895	ppb	#	1
60)	Dibenzofuran	5.59	168	33852	1004.0506798	ppb		100
61)	2,4-Dinitrotoluene	5.56	165	5734	923.6569672	ppb	#	77
63)	4-Nitrophenol	5.49	139	3863	823.0078370	ppb		97
64)	Fluorene	5.84	166	26866	1011.0676989	ppb		98
65)	4-Chlorophenyl-phenylether	5.83	204	13151	1006.1449282	ppb		94
66)	Diethyl phthalate	5.73	149	24302	1000.2320751	ppb		99
67)	4-Nitroaniline	5.84	138	5080	917.9528314	ppb		96
68)	Azobenzene	5.95	77	23996	967.7887017	ppb		99
71)	4,6-Dinitro-2-methylphenol	5.86	198	2275	821.1747835	ppb		91
72)	N-Nitrosodiphenylamine	5.92	169	21933	980.5621274	ppb		94
74)	4-Bromophenyl-phenylether	6.21	248	7249	1016.9661888	ppb		94
75)	Hexachlorobenzene	6.26	284	8451	1030.4154727	ppb		97
76)	n-octadecane	6.45	55	4622	932.7469322	ppb	#	89
77)	Pentachlorophenol	6.41	266	3482	901.2827855	ppb		97
78)	Phenanthrene	6.59	178	41877	1043.2531380	ppb		98
79)	Anthracene	6.63	178	40406	993.3957930	ppb		99
80)	Carbazole	6.75	167	37131	991.6965643	ppb		98
81)	Di-n-butyl phthalate	7.02	149	38609	933.6214592	ppb		99
83)	Fluoranthene	7.64	202	41394	994.6744483	ppb		99
86)	Pyrene	7.88	202	43345	1046.3115430	ppb		97
88)	Benzylbutyl phthalate	8.68	149	15306	914.0065001	ppb		96
90)	Benzo(a)anthracene	9.52	228	38865	1021.2752983	ppb		91
91)	Chrysene	9.58	228	37999	1029.2590925	ppb		96
92)	bis(2-Ethylhexyl)phthalate	9.62	149	21050	914.9946856	ppb		99
93)	Di-n-octyl phthalate	10.92	149	33904	915.3989320	ppb		97
95)	Benzo(b)fluoranthene	11.56	252	40261	966.1548100	ppb		98
96)	Benzo(k)fluoranthene	11.62	252	39928	986.7291781	ppb		93
97)	Benzo(a)pyrene	12.26	252	34757	1008.2775726	ppb		99
98)	Indeno(1,2,3-cd)pyrene	14.20	276	34378	995.1350728	ppb		98
99)	Dibenz(a,h)anthracene	14.24	278	38216	1041.3233414	ppb		97
100)	Benzo(g,h,i)perylene	14.52	276	36328	970.1482120	ppb		88

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 07.D Vial: 4
Acq On : 9 Feb 2022 11:04 am Operator: 917
Sample : STD SVMS 1K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:47 2022 Quant Results File: S804B09V.RES

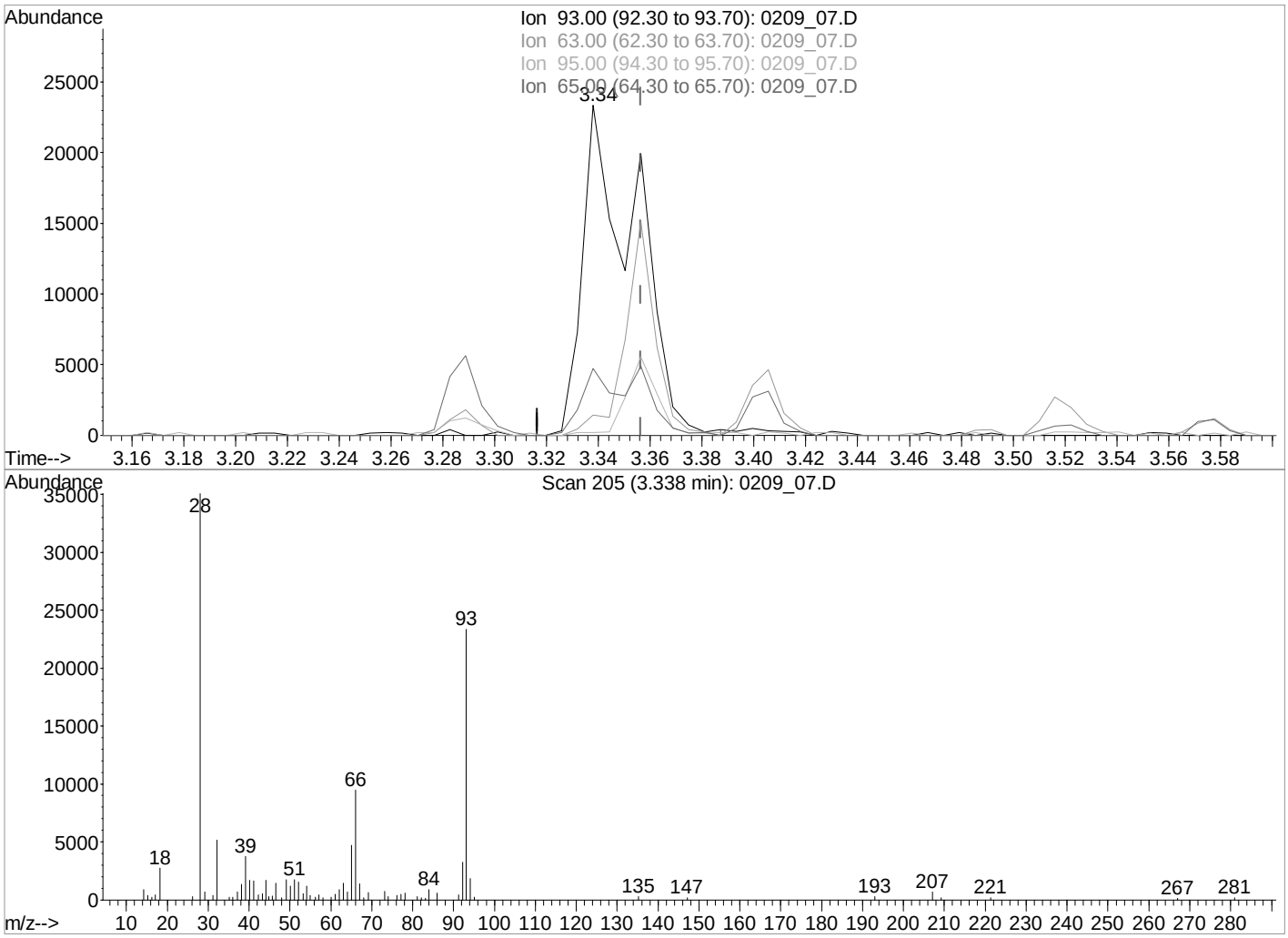
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:44:48 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 07.D Vial: 4
Acq On : 9 Feb 2022 11:04 am Operator: 917
Sample : STD SVMS 1K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:46 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:44:48 2022
Response via : Multiple Level Calibration



TIC: 0209_07.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.018) 1569.5183226 ppb m

response 33120

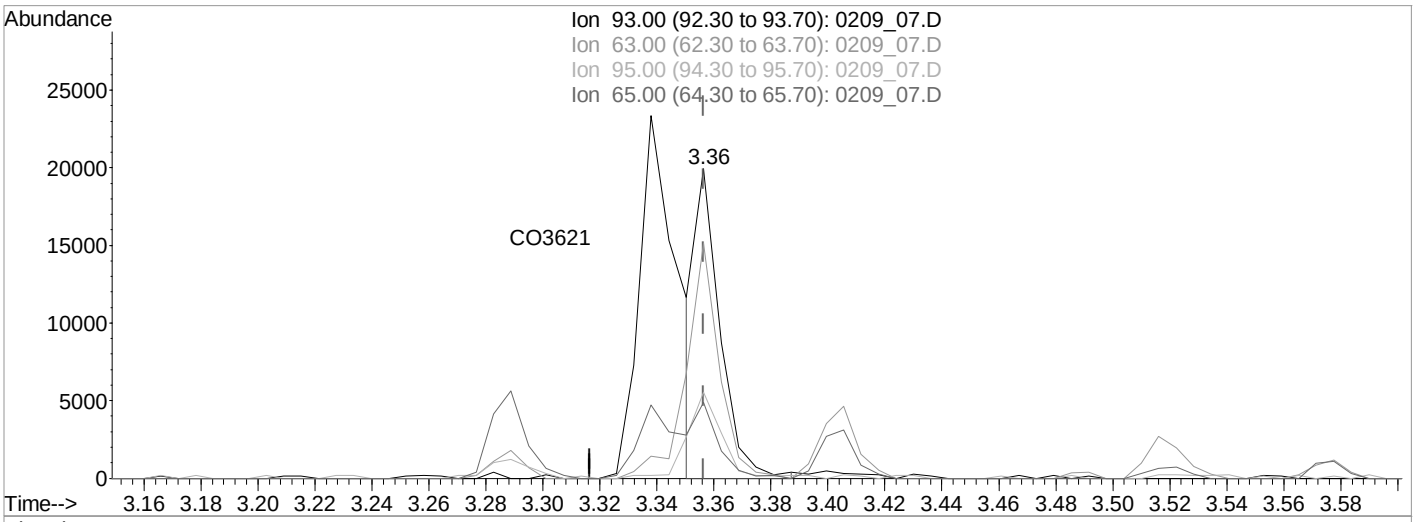
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	6.09#
95.00	30.20	0.87#
65.00	24.00	20.20

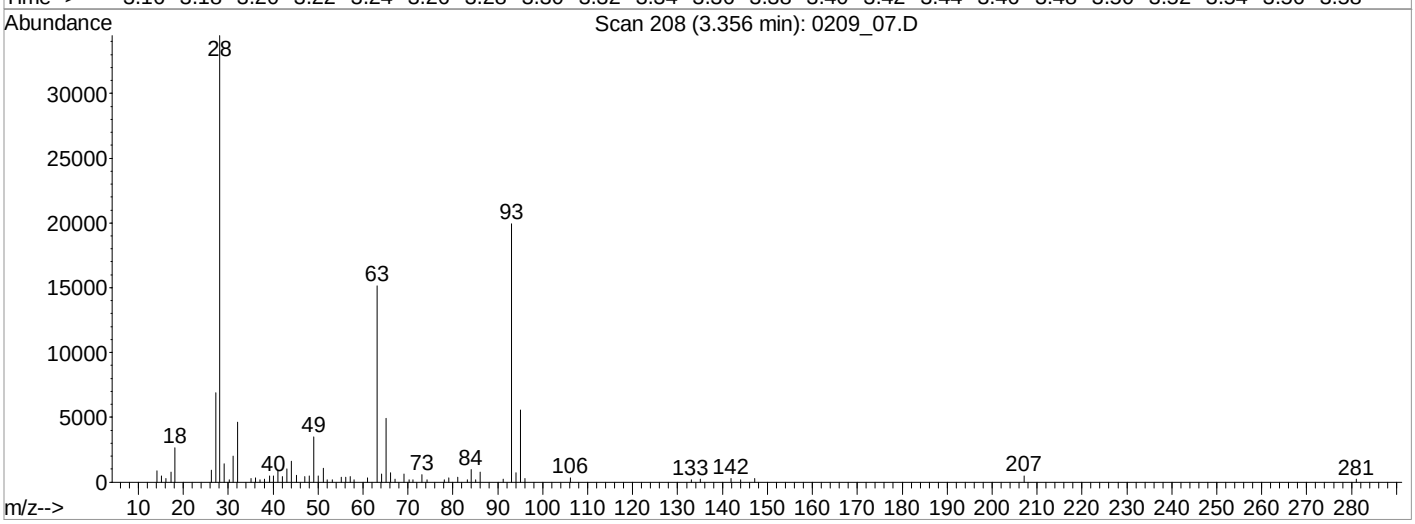
0209_07.D S804B09V.M Mon Feb 14 15:46:21 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 07.D Vial: 4
Acq On : 9 Feb 2022 11:04 am Operator: 917
Sample : STD SVMS 1K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:47 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:44:48 2022
Response via : Multiple Level Calibration





TIC: 0209_07.D

(6) bis(2-Chloroethyl)ether (MT)

3.36min (-0.000) 558.9513471 ppb m

response 11795

Ion	Exp%	Act%
93.00	100	100
63.00	76.20	75.97
95.00	30.20	27.78
65.00	24.00	24.57

0209_07.D S804B09V.M Mon Feb 14 15:47:20 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 08.D Vial: 5
Acq On : 9 Feb 2022 11:25 am Operator: 917
Sample : STD SVMS 4K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:16 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:27:29 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	76560	8000.00	ppb	0.00
23) Naphthalene-d8	4.26	136	308834	8000.00	ppb	0.00
46) Acenaphthene-d10	5.44	164	158910	8000.00	ppb	0.00
70) Phenanthrene-d10	6.57	188	298649	8000.00	ppb	0.00
84) Chrysene-d12	9.54	240	273094	8000.00	ppb	0.00
94) Perylene-d12	12.39	264	293434	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.85	112	48725	3687.4891163	ppb	0.00
Spiked Amount 666.000			Recovery = 553.68%			
7) Phenol-d5	3.28	99	58350	3669.2378705	ppb	0.00
Spiked Amount 666.000			Recovery = 550.94%			
24) Nitrobenzene-d5	3.82	82	52297	3806.9552688	ppb	0.00
Spiked Amount 333.000			Recovery = 1143.23%			
50) 2-Fluorobiphenyl	4.95	172	105816	3650.6056885	ppb	0.00
Spiked Amount 333.000			Recovery = 1096.28%			
73) 2,4,6-Tribromophenol	6.02	330	12407	4051.9112414	ppb	0.00
Spiked Amount 666.000			Recovery = 608.40%			
87) p-Terphenyl-d14	8.04	244	135025	3509.7450349	ppb	0.00
Spiked Amount 333.000			Recovery = 1053.98%			
Target Compounds						Qvalue
2) Pyridine	2.30	79	46914	3922.1462465	ppb	92
3) N-Nitrosodimethylamine	2.29	42	25194	3641.3603720	ppb	92
5) Aniline	3.34	66	27896	3708.8809048	ppb	97
6) bis(2-Chloroethyl)ether	3.36	93	40648m	2249.7087184	ppb	
8) Phenol	3.29	94	61675	3690.2190244	ppb	98
10) 2-Chlorophenol	3.41	128	49941	3753.5004602	ppb	98
11) n-Decane	3.40	41	30186	3678.8814437	ppb #	100
12) 1,3-Dichlorobenzene	3.49	146	55691	3642.1568344	ppb	98
13) 1,4-Dichlorobenzene	3.53	146	58102	3708.7838455	ppb	99
14) Benzyl Alcohol	3.58	79	37857	3754.5482410	ppb	99
15) 1,2-Dichlorobenzene	3.61	146	53437	3702.5382219	ppb	98
16) bis(2-Chloroisopropyl)ethe	3.65	121	18481	3590.7364409	ppb	70
17) 2,2-oxybis(1-chloropropane	3.65	121	18481	3590.7364409	ppb	70
18) 2-Methylphenol	3.62	108	44297	3648.9823869	ppb	97
19) Hexachloroethane	3.80	117	21006	3760.3383531	ppb	98
20) N-Nitrosodi-n-propylamine	3.72	70	32491	3653.6742608	ppb	97
21) 3&4-Methyl phenol	3.70	107	50954	3714.7273657	ppb	98
25) Nitrobenzene	3.84	77	50279	3739.7466534	ppb	97
26) Isophorone	3.96	82	86386	3587.9344294	ppb	100
27) 2-Nitrophenol	4.02	139	23882	3723.7157111	ppb	97
28) 2,4-Dimethylphenol	4.01	107	46618	3705.4455563	ppb	99
29) bis(2-Chlorethoxy)methane	4.08	93	56471	3541.6753632	ppb	94
30) 2,4-Dichlorophenol	4.15	162	38182	3640.7331375	ppb	98
32) 1,2,4-Trichlorobenzene	4.22	180	44416	3667.8194095	ppb	98
34) Naphthalene	4.27	128	153901	3659.2817273	ppb	100
35) 4-Chloroaniline	4.29	65	17865	3711.5524610	ppb	100
36) Hexachloro-1,3-butadiene	4.33	225	23634	3587.0389463	ppb	99
40) 4-Chloro-3-methylphenol	4.57	107	38533	3687.7972059	ppb	91
41) 2-Methylnaphthalene	4.71	142	98637	3587.8315328	ppb	99
42) 1-Methylnaphthalene	4.78	142	93691	3657.5057324	ppb	99
47) Hexachlorocyclopentadiene	4.81	237	29092	3855.5923968	ppb	97
48) 2,4,6-Trichlorophenol	4.89	196	25288	3567.6924956	ppb	87
49) 2,4,5-Trichlorophenol	4.91	196	27944	3797.4870871	ppb	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 08.D Vial: 5
Acq On : 9 Feb 2022 11:25 am Operator: 917
Sample : STD SVMS 4K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:16 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:27:29 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

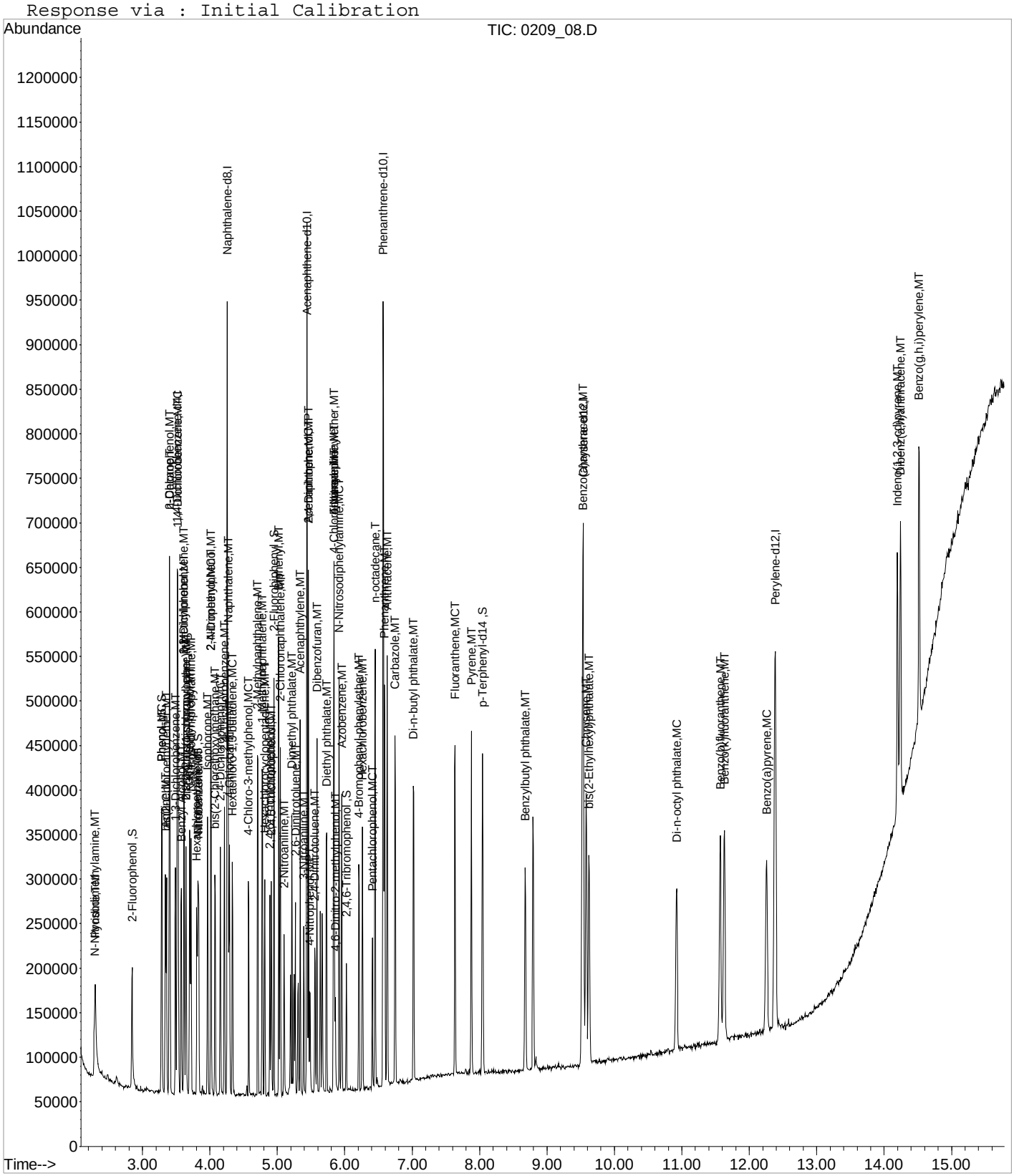
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	Biphenyl	5.02	154	118174	3700.2138562	ppb		99
52)	2-Chloronaphthalene	5.05	162	91273	3741.8140427	ppb		98
53)	2-Nitroaniline	5.10	138	25895	3812.3559871	ppb		97
54)	Acenaphthylene	5.34	152	138397	3781.4678851	ppb		98
55)	Dimethyl phthalate	5.22	163	89878	3716.0291707	ppb		100
56)	2,6-Dinitrotoluene	5.27	165	20369	3881.8398479	ppb		95
57)	3-Nitroaniline	5.39	138	22058	4014.9800104	ppb		98
58)	Acenaphthene	5.46	153	90926	3664.8708952	ppb		99
59)	2,4-Dinitrophenol	5.46	184	7954	4699.4207519	ppb	#	65
60)	Dibenzofuran	5.59	168	125970	3636.1153668	ppb		99
61)	2,4-Dinitrotoluene	5.56	165	24897	4010.3299275	ppb		99
63)	4-Nitrophenol	5.49	139	17661	3896.6279998	ppb		97
64)	Fluorene	5.84	166	104287	3810.5999505	ppb		98
65)	4-Chlorophenyl-phenylether	5.83	204	48245	3589.6378717	ppb		99
66)	Diethyl phthalate	5.73	149	94239	3779.5583767	ppb		99
67)	4-Nitroaniline	5.84	138	22766	4121.6546071	ppb		99
68)	Azobenzene	5.95	77	94745	3764.1896388	ppb		100
71)	4,6-Dinitro-2-methylphenol	5.86	198	11741	4386.5146094	ppb		93
72)	N-Nitrosodiphenylamine	5.92	169	85367	3739.0321479	ppb		100
74)	4-Bromophenyl-phenylether	6.21	248	28452	3863.3232975	ppb		96
75)	Hexachlorobenzene	6.26	284	30100	3536.3795647	ppb		97
76)	n-octadecane	6.45	55	17047	3425.2915399	ppb		93
77)	Pentachlorophenol	6.41	266	15204	3960.8681961	ppb		97
78)	Phenanthrene	6.59	178	152049	3634.5438187	ppb		98
79)	Anthracene	6.63	178	149791	3592.4300031	ppb		99
80)	Carbazole	6.75	167	140338	3658.3915478	ppb		98
81)	Di-n-butyl phthalate	7.02	149	155562	3744.3117272	ppb		100
83)	Fluoranthene	7.64	202	156913	3676.5726891	ppb		99
86)	Pyrene	7.88	202	164730	3625.2603146	ppb		99
88)	Benzylbutyl phthalate	8.68	149	64453	3668.2506321	ppb		98
90)	Benzo(a)anthracene	9.52	228	146345	3535.0092132	ppb		100
91)	Chrysene	9.58	228	146632	3641.3605935	ppb		99
92)	bis(2-Ethylhexyl)phthalate	9.62	149	86899	3598.8379231	ppb		99
93)	Di-n-octyl phthalate	10.92	149	144282	3711.0126159	ppb		98
95)	Benzo(b)fluoranthene	11.57	252	156039	3531.8820648	ppb		99
96)	Benzo(k)fluoranthene	11.63	252	152687	3534.5271144	ppb		98
97)	Benzo(a)pyrene	12.26	252	134154	3619.3303945	ppb		98
98)	Indeno(1,2,3-cd)pyrene	14.20	276	136698	3696.1693366	ppb		97
99)	Dibenz(a,h)anthracene	14.24	278	145241	3640.5893699	ppb		98
100)	Benzo(g,h,i)perylene	14.52	276	144798	3642.3839778	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 08.D Vial: 5
Acq On : 9 Feb 2022 11:25 am Operator: 917
Sample : STD SVMS 4K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:16 2022 Quant Results File: S804B09V.RES

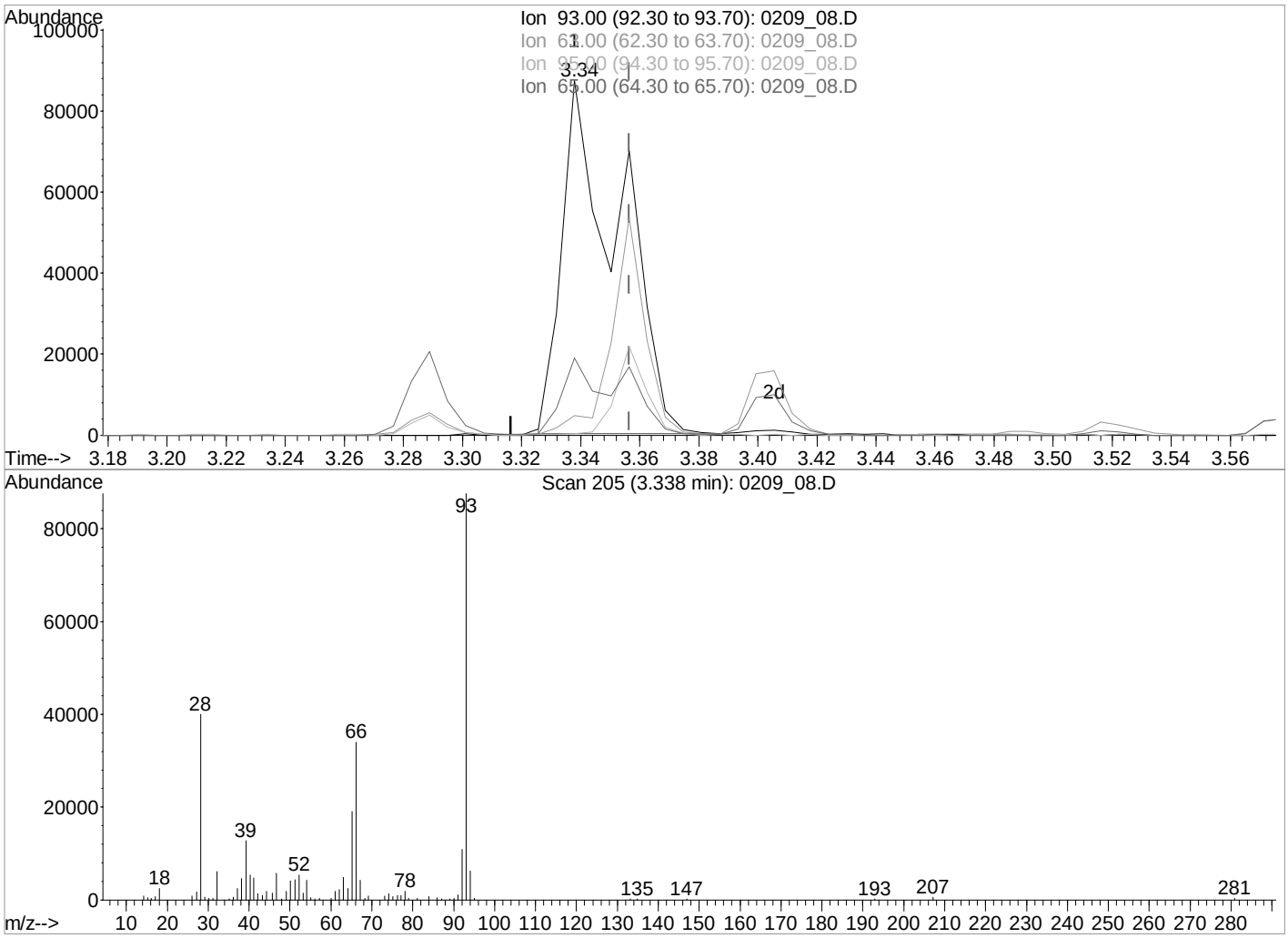
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:47:45 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 08.D Vial: 5
Acq On : 9 Feb 2022 11:25 am Operator: 917
Sample : STD SVMS 4K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 12:29 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:27:29 2022
Response via : Multiple Level Calibration



TIC: 0209_08.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.018) 6535.1580902 ppb

Qvalue = 38

response 118078

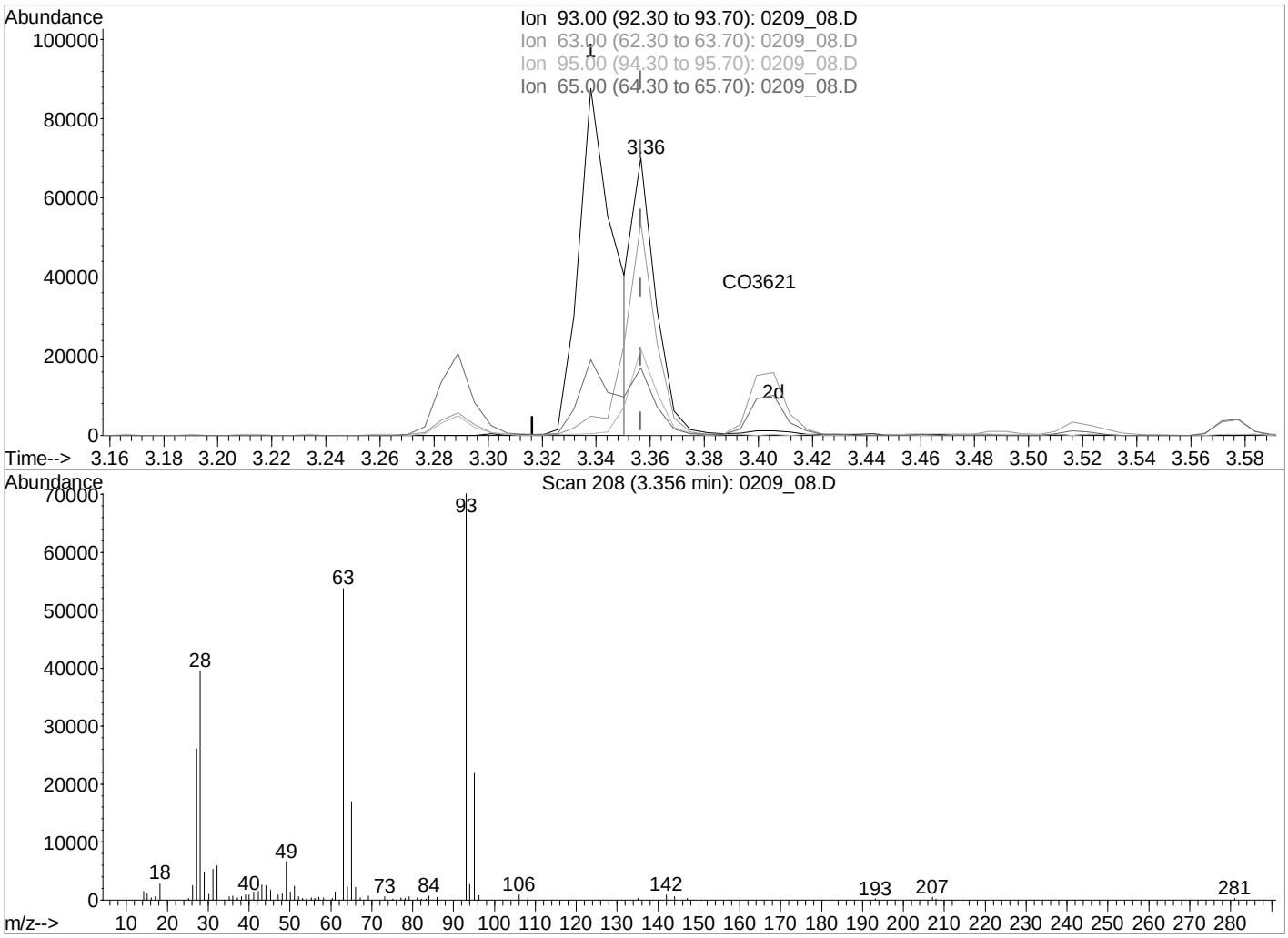
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.23#
95.00	30.20	0.18#
65.00	24.00	21.53

0209_08.D S804B09V.M Mon Feb 14 12:30:09 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 08.D Vial: 5
Acq On : 9 Feb 2022 11:25 am Operator: 917
Sample : STD SVMS 4K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:16 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 14:25:02 2022
Response via : Multiple Level Calibration



TIC: 0209_08.D

(6) bis(2-Chloroethyl)ether (MT)

3.36min (-0.000) 2249.7087184 ppb m

response 40648

Ion	Exp%	Act%
93.00	100	100
63.00	76.20	76.56
95.00	30.20	31.18
65.00	24.00	24.14

0209_08.D S804B09V.M Mon Feb 14 15:16:38 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 09.D Vial: 6
Acq On : 9 Feb 2022 11:46 am Operator: 917
Sample : MSTD SVMS 10K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:51 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 11:39:40 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	79698	8000.00 ppb	0.00
23) Naphthalene-d8	4.26	136	318573	8000.00 ppb	0.00
46) Acenaphthene-d10	5.44	164	166698	8000.00 ppb	0.00
70) Phenanthrene-d10	6.57	188	313275	8000.00 ppb	0.00
84) Chrysene-d12	9.54	240	276256	8000.00 ppb	0.00
94) Perylene-d12	12.38	264	294444	8000.00 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.85	112	126685	10000.0000000 ppb	0.00
Spiked Amount 666.000			Recovery = 1501.50%		
7) Phenol-d5	3.28	99	152664	10000.0000000 ppb	0.00
Spiked Amount 666.000			Recovery = 1501.50%		
24) Nitrobenzene-d5	3.82	82	126003m	9983.3614604 ppb	0.00
Spiked Amount 333.000			Recovery = 2998.01%		
50) 2-Fluorobiphenyl	4.95	172	280043	10000.0000000 ppb	0.00
Spiked Amount 333.000			Recovery = 3003.00%		
73) 2,4,6-Tribromophenol	6.02	330	35551	10000.0000000 ppb	0.00
Spiked Amount 666.000			Recovery = 1501.50%		
87) p-Terphenyl-d14	8.04	244	374818	10000.0000000 ppb	0.00
Spiked Amount 333.000			Recovery = 3003.00%		
Target Compounds					Qvalue
2) Pyridine	2.29	79	121910	9699.8002912 ppb	99
3) N-Nitrosodimethylamine	2.28	42	65505	10000.0000000 ppb	100
5) Aniline	3.34	66	74198	10000.0000000 ppb	100
6) bis(2-Chloroethyl)ether	3.36	93	103260m	10000.0000000 ppb	
8) Phenol	3.29	94	161240	10000.0000000 ppb	100
10) 2-Chlorophenol	3.41	128	128999	10000.0000000 ppb	100
11) n-Decane	3.40	41	76738	10000.0000000 ppb	100
12) 1,3-Dichlorobenzene	3.49	146	146804	10000.0000000 ppb	100
13) 1,4-Dichlorobenzene	3.53	146	149745	10000.0000000 ppb	100
14) Benzyl Alcohol	3.58	79	100344	10000.0000000 ppb	100
15) 1,2-Dichlorobenzene	3.61	146	137930	10000.0000000 ppb	100
16) bis(2-Chloroisopropyl)ethe	3.65	121	46703	10000.0000000 ppb	100
17) 2,2-oxybis(1-chloropropane	3.65	121	46703	10000.0000000 ppb	100
18) 2-Methylphenol	3.62	108	118936	10000.0000000 ppb	100
19) Hexachloroethane	3.80	117	55684	10000.0000000 ppb	100
20) N-Nitrosodi-n-propylamine	3.72	70	87187	10000.0000000 ppb	100
21) 3&4-Methyl phenol	3.70	107	134402	10000.0000000 ppb	100
25) Nitrobenzene	3.84	77	132607	10000.0000000 ppb	100
26) Isophorone	3.96	82	237119	10000.0000000 ppb	100
27) 2-Nitrophenol	4.02	139	64981	10000.0000000 ppb	100
28) 2,4-Dimethylphenol	4.01	107	120179	10000.0000000 ppb	100
29) bis(2-Chlorethoxy)methane	4.08	93	147555	10000.0000000 ppb	100
30) 2,4-Dichlorophenol	4.15	162	103418	10000.0000000 ppb	100
32) 1,2,4-Trichlorobenzene	4.22	180	115136	10000.0000000 ppb	100
34) Naphthalene	4.27	128	399013	10000.0000000 ppb	100
35) 4-Chloroaniline	4.29	65	47430	10000.0000000 ppb	100
36) Hexachloro-1,3-butadiene	4.33	225	62939	10000.0000000 ppb	100
40) 4-Chloro-3-methylphenol	4.58	107	104251	10000.0000000 ppb	100
41) 2-Methylnaphthalene	4.71	142	261134	10000.0000000 ppb	100
42) 1-Methylnaphthalene	4.78	142	242812	10000.0000000 ppb	100
47) Hexachlorocyclopentadiene	4.81	237	77267	10000.0000000 ppb	100
48) 2,4,6-Trichlorophenol	4.89	196	69331	10000.0000000 ppb	100
49) 2,4,5-Trichlorophenol	4.91	196	78067	10000.0000000 ppb	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 09.D Vial: 6
Acq On : 9 Feb 2022 11:46 am Operator: 917
Sample : MSTD SVMS 10K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:51 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 11:39:40 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

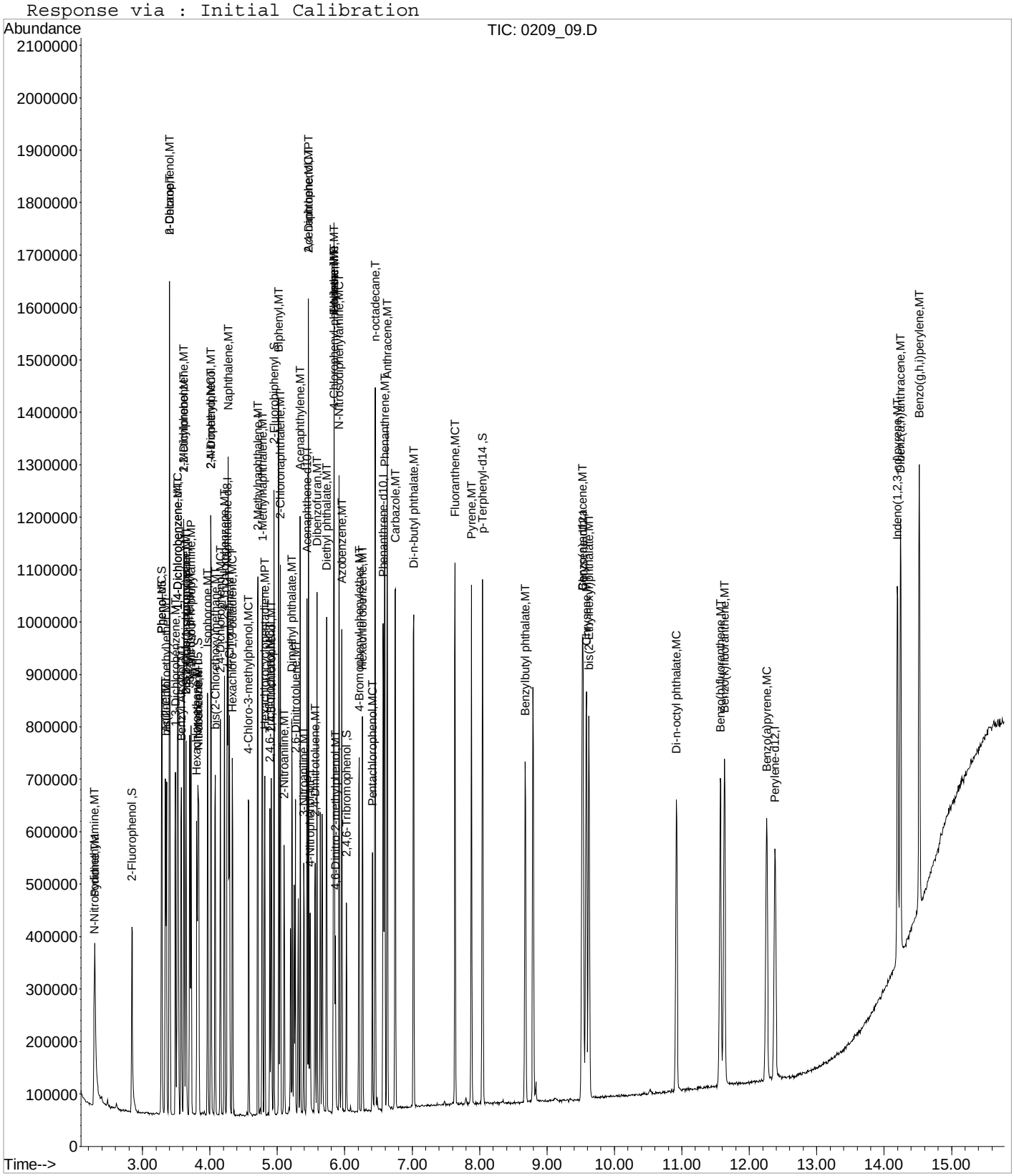
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
51)	Biphenyl	5.02	154	310488	10000.0000000	ppb	100
52)	2-Chloronaphthalene	5.05	162	240256	10000.0000000	ppb	100
53)	2-Nitroaniline	5.10	138	75937	10000.0000000	ppb	100
54)	Acenaphthylene	5.34	152	371391	10000.0000000	ppb	100
55)	Dimethyl phthalate	5.22	163	250120	10000.0000000	ppb	100
56)	2,6-Dinitrotoluene	5.27	165	59648	10000.0000000	ppb	100
57)	3-Nitroaniline	5.39	138	64174	10000.0000000	ppb	100
58)	Acenaphthene	5.46	153	243837	10000.0000000	ppb	100
59)	2,4-Dinitrophenol	5.46	184	25454	10000.0000000	ppb	100
60)	Dibenzofuran	5.59	168	335686	10000.0000000	ppb	100
61)	2,4-Dinitrotoluene	5.56	165	72875	10000.0000000	ppb	100
63)	4-Nitrophenol	5.49	139	52065	10000.0000000	ppb	100
64)	Fluorene	5.84	166	276379	10000.0000000	ppb	100
65)	4-Chlorophenyl-phenylether	5.83	204	130111	10000.0000000	ppb	100
66)	Diethyl phthalate	5.73	149	253571	10000.0000000	ppb	100
67)	4-Nitroaniline	5.84	138	62120	10000.0000000	ppb	100
68)	Azobenzene	5.95	77	259354	10000.0000000	ppb	100
71)	4,6-Dinitro-2-methylphenol	5.86	198	35354	10000.0000000	ppb	100
72)	N-Nitrosodiphenylamine	5.92	169	231908	10000.0000000	ppb	100
74)	4-Bromophenyl-phenylether	6.21	248	75834	10000.0000000	ppb	100
75)	Hexachlorobenzene	6.26	284	81756	10000.0000000	ppb	100
76)	n-octadecane	6.45	55	46905	10000.0000000	ppb	100
77)	Pentachlorophenol	6.41	266	46865	10000.0000000	ppb	100
78)	Phenanthrene	6.59	178	401719	10000.0000000	ppb	100
79)	Anthracene	6.63	178	412471	10000.0000000	ppb	100
80)	Carbazole	6.75	167	385300	10000.0000000	ppb	100
81)	Di-n-butyl phthalate	7.02	149	437342	10000.0000000	ppb	100
83)	Fluoranthene	7.64	202	425654	10000.0000000	ppb	100
86)	Pyrene	7.88	202	441403	10000.0000000	ppb	100
88)	Benzylbutyl phthalate	8.68	149	182425	10000.0000000	ppb	100
90)	Benzo(a)anthracene	9.52	228	393248	10000.0000000	ppb	100
91)	Chrysene	9.58	228	381309	10000.0000000	ppb	100
92)	bis(2-Ethylhexyl)phthalate	9.62	149	255742	10000.0000000	ppb	100
93)	Di-n-octyl phthalate	10.92	149	419500	10000.0000000	ppb	100
95)	Benzo(b)fluoranthene	11.57	252	408147	10000.0000000	ppb	100
96)	Benzo(k)fluoranthene	11.63	252	406682	10000.0000000	ppb	100
97)	Benzo(a)pyrene	12.26	252	356920	10000.0000000	ppb	100
98)	Indeno(1,2,3-cd)pyrene	14.20	276	361749	10000.0000000	ppb	100
99)	Dibenz(a,h)anthracene	14.24	278	387330	10000.0000000	ppb	100
100)	Benzo(g,h,i)perylene	14.52	276	382610	10000.0000000	ppb	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 09.D Vial: 6
Acq On : 9 Feb 2022 11:46 am Operator: 917
Sample : MSTD SVMS 10K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:51 2022 Quant Results File: S804B09V.RES

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:49:28 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050422B\0504B 03.D Vial: 3
Acq On : 4 May 2022 8:09 pm Operator: 3545
Sample : ICV SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 5 16:03 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	72810	8000.00 ppb		0.00
23) Naphthalene-d8	3.98	136	308811	8000.00 ppb		0.00
46) Acenaphthene-d10	5.15	164	153956	8000.00 ppb		0.00
70) Phenanthrene-d10	6.26	188	290793	8000.00 ppb		0.00
84) Chrysene-d12	9.01	240	239869	8000.00 ppb		0.00
94) Perylene-d12	11.67	264	248833	8000.00 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.58	112	125991	10648.8093607 ppb		0.00
Spiked Amount 20000.000			Recovery = 53.24%			
7) Phenol-d5	3.03	99	154852	10904.8081827 ppb		0.00
Spiked Amount 20000.000			Recovery = 54.52%			
24) Nitrobenzene-d5	3.56	82	148958m	11368.3042392 ppb		0.00
Spiked Amount 10000.000			Recovery = 113.68%			
50) 2-Fluorobiphenyl	4.67	172	266294	10253.4023911 ppb		0.00
Spiked Amount 10000.000			Recovery = 102.53%			
73) 2,4,6-Tribromophenol	5.72	330	38217	11609.7274995 ppb		0.00
Spiked Amount 20000.000			Recovery = 58.05%			
87) p-Terphenyl-d14	7.65	244	342371	10444.2393420 ppb		0.00
Spiked Amount 10000.000			Recovery = 104.44%			
Target Compounds						Qvalue
2) Pyridine	1.99	79	148014	13138.2970554 ppb		91
3) N-Nitrosodimethylamine	1.98	42	78031	12904.7576433 ppb		92
5) Aniline	3.08	66	77309	11476.0102541 ppb	#	36
6) bis(2-Chloroethyl)ether	3.09	93	134334	12837.6695153 ppb		98
8) Phenol	3.04	94	159489	10662.4454340 ppb		91
10) 2-Chlorophenol	3.14	128	126641	10574.2456665 ppb		95
11) n-Decane	3.14	41	83245	11800.6717158 ppb		97
12) 1,3-Dichlorobenzene	3.22	146	137383	10145.3675510 ppb		93
13) 1,4-Dichlorobenzene	3.27	146	142112	10196.1300433 ppb		97
14) Benzyl Alcohol	3.32	79	102792	11097.2164608 ppb		96
15) 1,2-Dichlorobenzene	3.35	146	135933	10609.6074912 ppb		95
16) bis(2-Chloroisopropyl)ethe	3.38	121	46434	10591.0535705 ppb	#	39
17) 2,2-oxybis(1-chloropropane	3.38	121	46434	10591.0535705 ppb	#	39
18) 2-Methylphenol	3.37	108	122831	11350.0352901 ppb		95
19) Hexachloroethane	3.54	117	58879	11637.4411130 ppb		95
20) N-Nitrosodi-n-propylamine	3.46	70	100110	12658.3109219 ppb		93
21) 3&4-Methyl phenol	3.45	107	139627	11358.6276700 ppb		95
25) Nitrobenzene	3.57	77	149196	11645.3460556 ppb		93
26) Isophorone	3.70	82	273139	11884.7047612 ppb		96
27) 2-Nitrophenol	3.76	139	67830	10504.2391718 ppb		81
28) 2,4-Dimethylphenol	3.76	107	131358	10953.2526094 ppb		95
29) bis(2-Chlorethoxy)methane	3.82	93	162553	11062.0210610 ppb		98
30) 2,4-Dichlorophenol	3.89	162	100259	9923.8153739 ppb		95
32) 1,2,4-Trichlorobenzene	3.95	180	112134	9915.5942513 ppb		97
34) Naphthalene	4.00	128	374919m	9533.8516433 ppb		
35) 4-Chloroaniline	4.02	65	50343	11017.8017774 ppb	#	49
36) Hexachloro-1,3-butadiene	4.06	225	66952	10852.4043763 ppb		96
40) 4-Chloro-3-methylphenol	4.32	107	102521	10066.9036815 ppb		91
41) 2-Methylnaphthalene	4.43	142	242446	9461.4504064 ppb		96
42) 1-Methylnaphthalene	4.49	142	232320	9647.4495585 ppb		98
47) Hexachlorocyclopentadiene	4.53	237	49301	6835.0157549 ppb		95
48) 2,4,6-Trichlorophenol	4.61	196	68606	10274.1845518 ppb		90
49) 2,4,5-Trichlorophenol	4.64	196	71338	10265.3745585 ppb		91

(#) = qualifier out of range (m) = manual integration
0504B_03.D S804E04BV.M Thu May 05 16:04:03 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050422B\0504B 03.D Vial: 3
Acq On : 4 May 2022 8:09 pm Operator: 3545
Sample : ICV SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 5 16:03 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

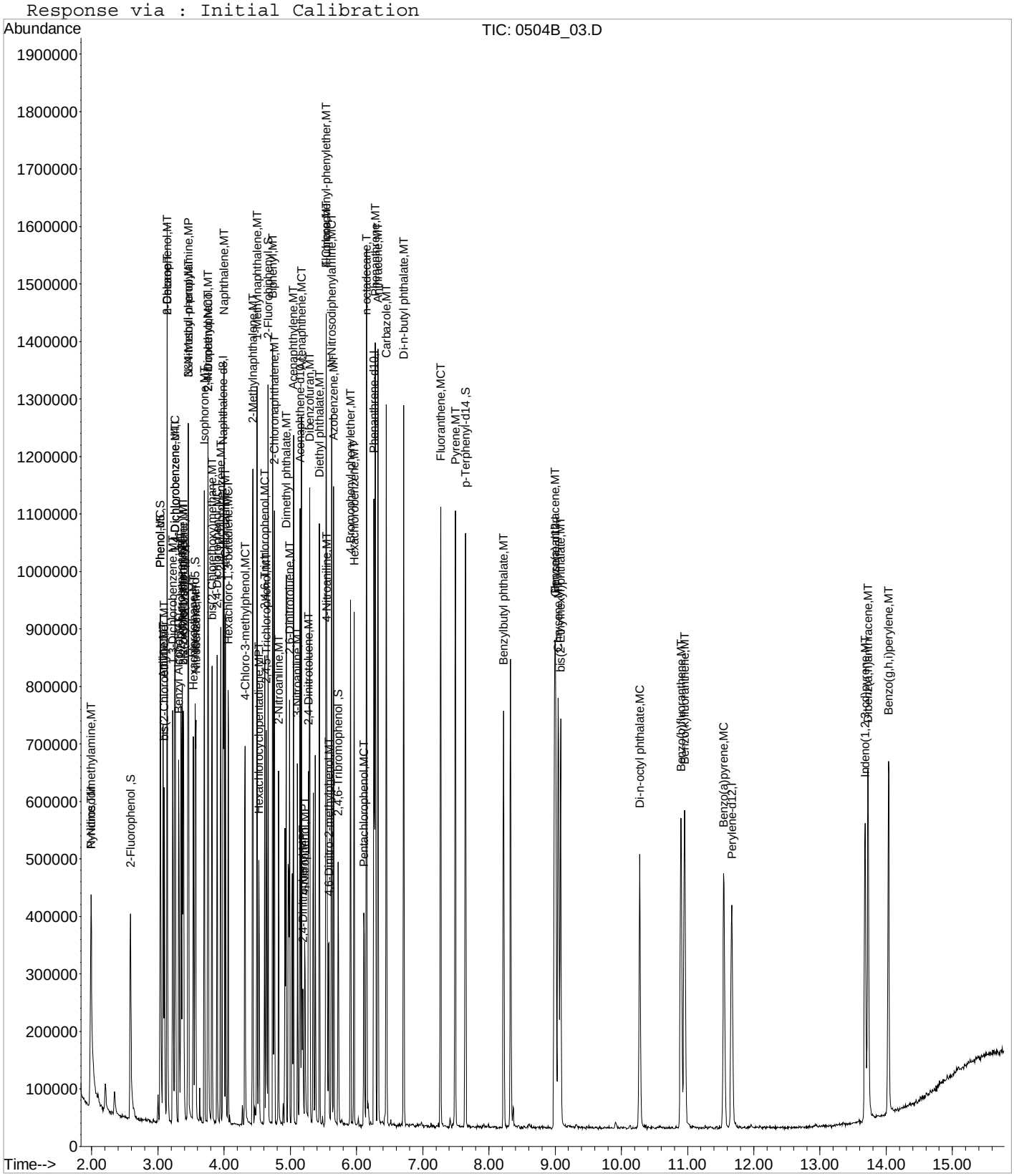
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
51)	Biphenyl	4.73	154	301118	10441.1941443 ppb		99
52)	2-Chloronaphthalene	4.76	162	225125	10228.5696808 ppb		97
53)	2-Nitroaniline	4.82	138	77356	11338.4162347 ppb		92
54)	Acenaphthylene	5.05	152	349630	10211.1489350 ppb		99
55)	Dimethyl phthalate	4.94	163	241288	10581.7152130 ppb		99
56)	2,6-Dinitrotoluene	4.99	165	57670	10908.4044924 ppb	#	77
57)	3-Nitroaniline	5.11	138	60805	10682.3816714 ppb		93
58)	Acenaphthene	5.17	153	225966	10032.0397375 ppb		98
59)	2,4-Dinitrophenol	5.19	184	25739	8991.4846740 ppb	#	1
60)	Dibenzofuran	5.29	168	313173	10025.5416474 ppb		96
61)	2,4-Dinitrotoluene	5.27	165	75641	11425.1613528 ppb	#	70
63)	4-Nitrophenol	5.22	139	45267	9627.8896252 ppb	#	76
64)	Fluorene	5.54	166	256925	10139.6783842 ppb		97
65)	4-Chlorophenyl-phenylether	5.54	204	121190	10085.5561793 ppb		97
66)	Diethyl phthalate	5.44	149	247489	10594.0855044 ppb		99
67)	4-Nitroaniline	5.56	138	65508	12287.5656579 ppb	#	84
68)	Azobenzene	5.66	77	297244	12755.6777858 ppb		93
71)	4,6-Dinitro-2-methylphenol	5.58	198	37511	9563.0231518 ppb		99
72)	N-Nitrosodiphenylamine	5.62	169	211635	9577.4859602 ppb		97
74)	4-Bromophenyl-phenylether	5.91	248	72523	10112.5929308 ppb	#	81
75)	Hexachlorobenzene	5.96	284	77452	9706.0758801 ppb		98
76)	n-octadecane	6.15	55	48116	10814.2343337 ppb	#	96
77)	Pentachlorophenol	6.12	266	38231	8678.9089734 ppb		98
78)	Phenanthrene	6.28	178	384570	10051.4266576 ppb		96
79)	Anthracene	6.32	178	388432	10029.9451799 ppb		100
80)	Carbazole	6.45	167	353123	9993.7408883 ppb		98
81)	Di-n-butyl phthalate	6.71	149	434009	10491.9411679 ppb		98
83)	Fluoranthene	7.27	202	378397	9309.6678860 ppb		99
86)	Pyrene	7.49	202	390486	10117.3151564 ppb		98
88)	Benzylbutyl phthalate	8.22	149	171356	10857.8701556 ppb		93
90)	Benzo(a)anthracene	8.99	228	347193	10051.9932243 ppb		98
91)	Chrysene	9.05	228	348883	10422.9918589 ppb		99
92)	bis(2-Ethylhexyl)phthalate	9.08	149	240106	11045.4381754 ppb		98
93)	Di-n-octyl phthalate	10.28	149	361907	10021.6890694 ppb		99
95)	Benzo(b)fluoranthene	10.90	252	334061	9424.0897312 ppb		99
96)	Benzo(k)fluoranthene	10.96	252	351862	10077.4373458 ppb		96
97)	Benzo(a)pyrene	11.55	252	295004	9608.8207390 ppb		94
98)	Indeno(1,2,3-cd)pyrene	13.68	276	275571	9135.8130051 ppb		97
99)	Dibenz(a,h)anthracene	13.73	278	313847	9762.7192535 ppb		97
100)	Benzo(g,h,i)perylene	14.03	276	325162	10356.9766358 ppb		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050422B\0504B 03.D Vial: 3
Acq On : 4 May 2022 8:09 pm Operator: 3545
Sample : ICV SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 5 16:03 2022 Quant Results File: S804E04BV.RES

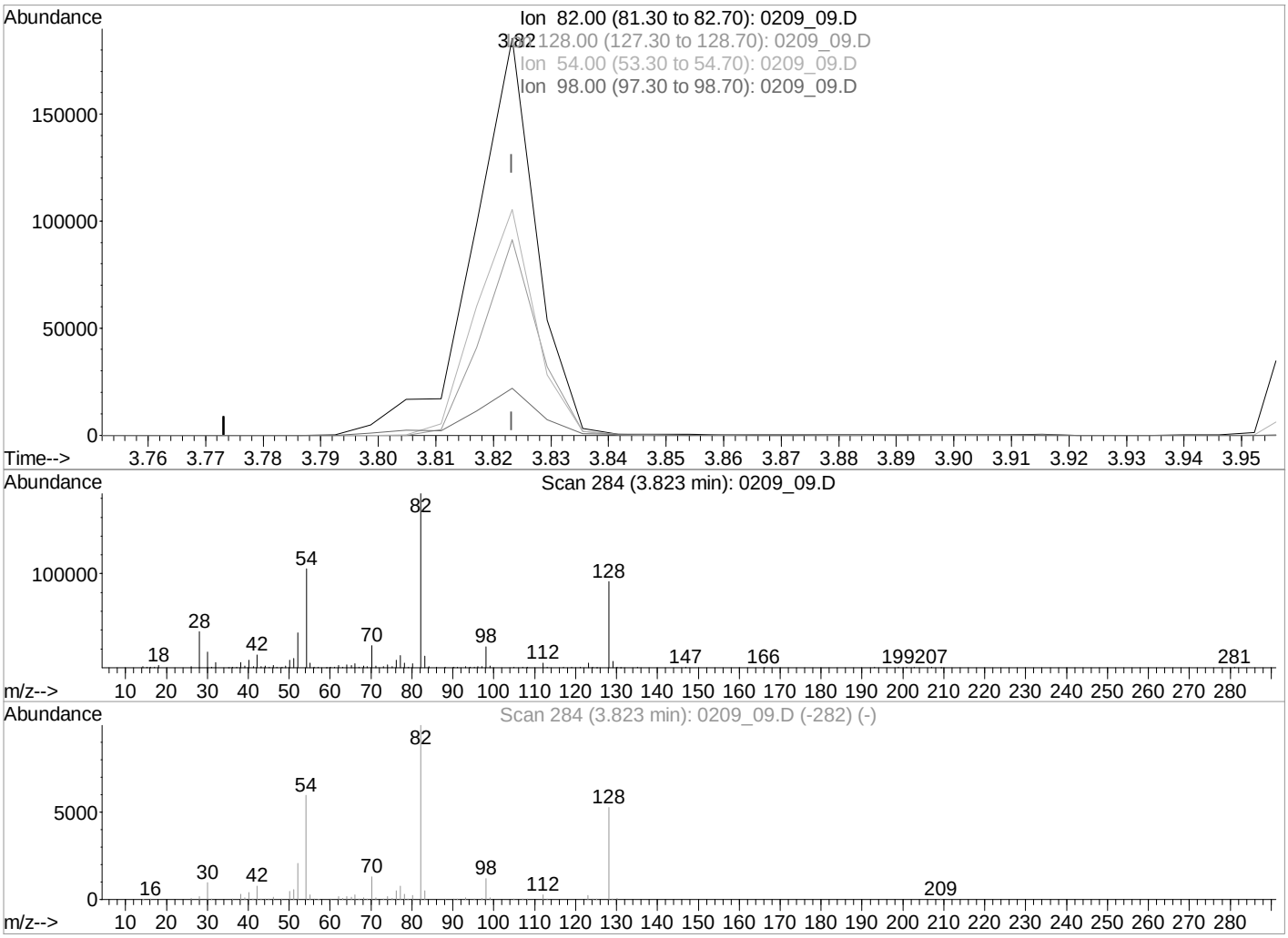
Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 09.D Vial: 6
Acq On : 9 Feb 2022 11:46 am Operator: 917
Sample : MSTD SVMS 10K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 11:46 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 11:39:40 2022
Response via : Multiple Level Calibration



TIC: 0209_09.D

(24) Nitrobenzene-d5 (S)

3.82min (0.000) 11153.2092574 ppb

Qvalue = 100

response 140768

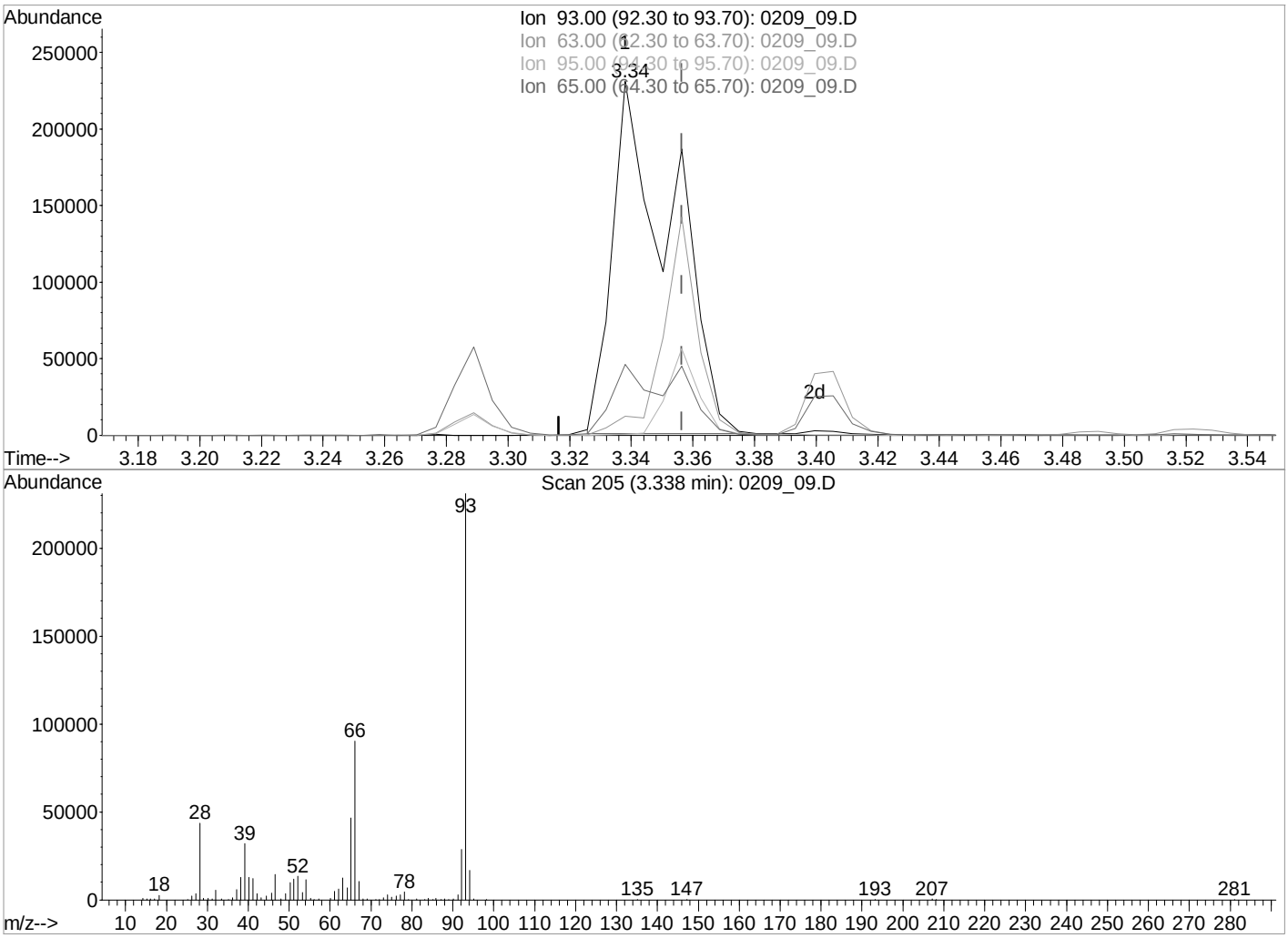
Ion	Exp%	Act%
82.00	100	100
128.00	49.30	49.28
54.00	56.90	56.86
98.00	11.80	11.80

0209_09.D S804B09V.M Mon Feb 14 11:48:43 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 09.D Vial: 6
Acq On : 9 Feb 2022 11:46 am Operator: 917
Sample : MSTD SVMS 10K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 11:48 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:49:28 2022
Response via : Multiple Level Calibration



TIC: 0209_09.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.018) 29901.8981212 ppb

Qvalue = 37

response 308767

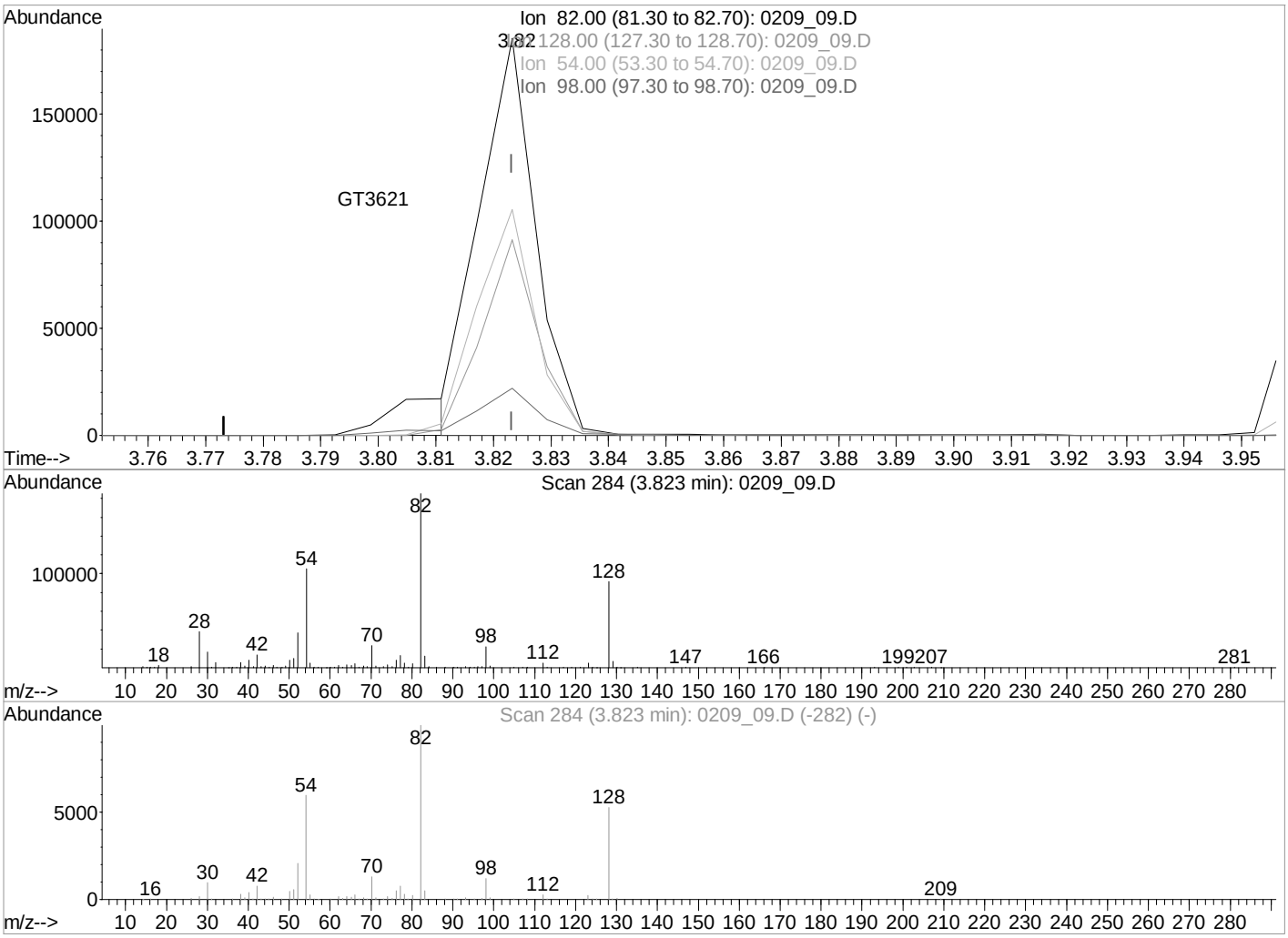
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.25#
95.00	30.20	0.25#
65.00	24.00	19.97

0209_09.D S804B09V.M Mon Feb 14 15:50:53 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 09.D Vial: 6
Acq On : 9 Feb 2022 11:46 am Operator: 917
Sample : MSTD SVMS 10K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 11:48 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 11:39:40 2022
Response via : Multiple Level Calibration



TIC: 0209_09.D

(24) Nitrobenzene-d5 (S)

3.82min (0.000) 9983.3614604 ppb m

response 126003

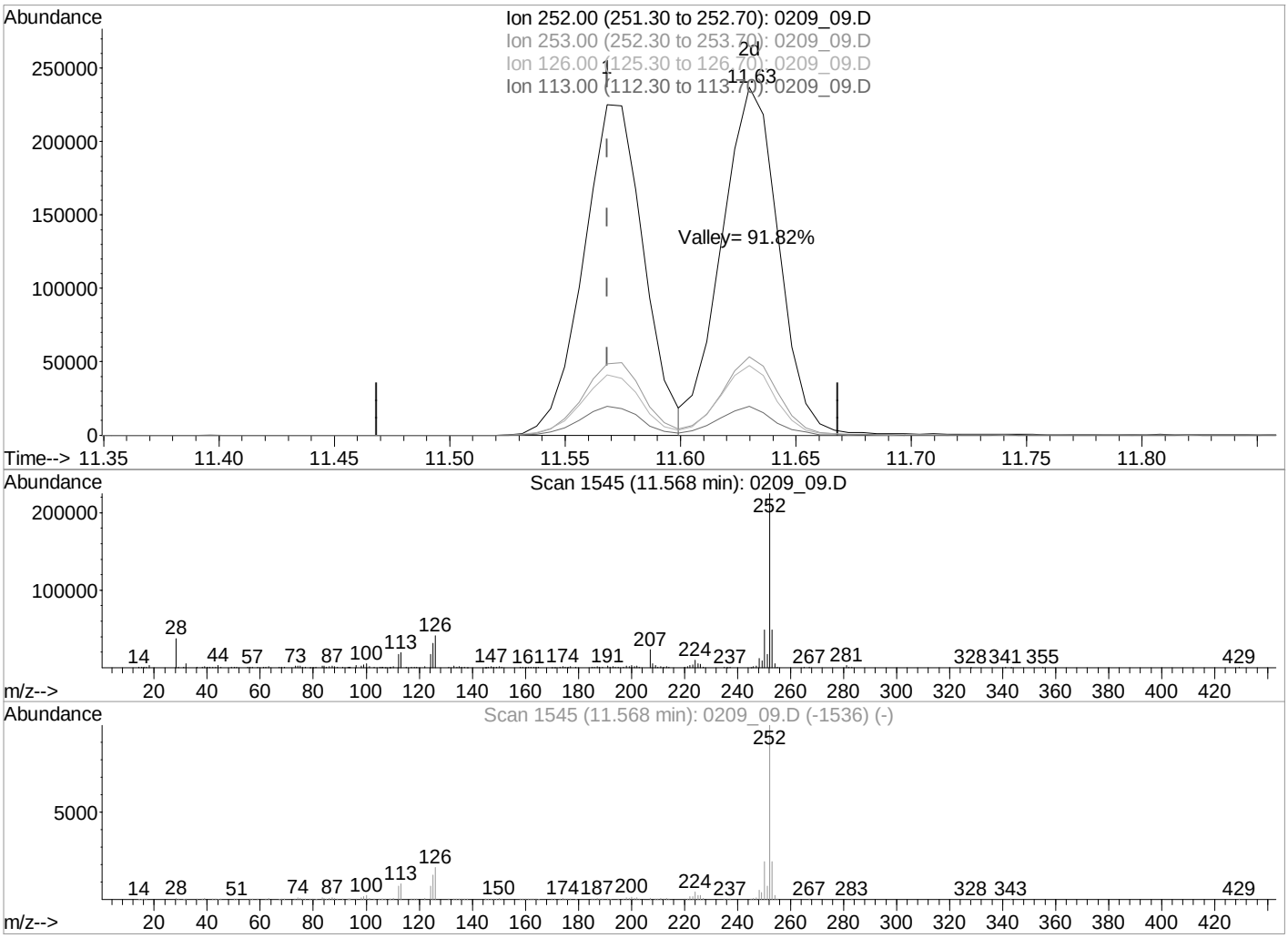
Ion	Exp%	Act%
82.00	100	100
128.00	49.30	49.28
54.00	56.90	56.86
98.00	11.80	11.80

0209_09.D S804B09V.M Mon Feb 14 11:48:56 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 09.D Vial: 6
Acq On : 9 Feb 2022 11:46 am Operator: 917
Sample : MSTD SVMS 10K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 11:48 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 11:39:40 2022
Response via : Multiple Level Calibration



TIC: 0209_09.D

(95) Benzo(b)fluoranthene (MT)

11.57min (0.000) 10000.0000000 ppb

Qvalue = 100

response 408147

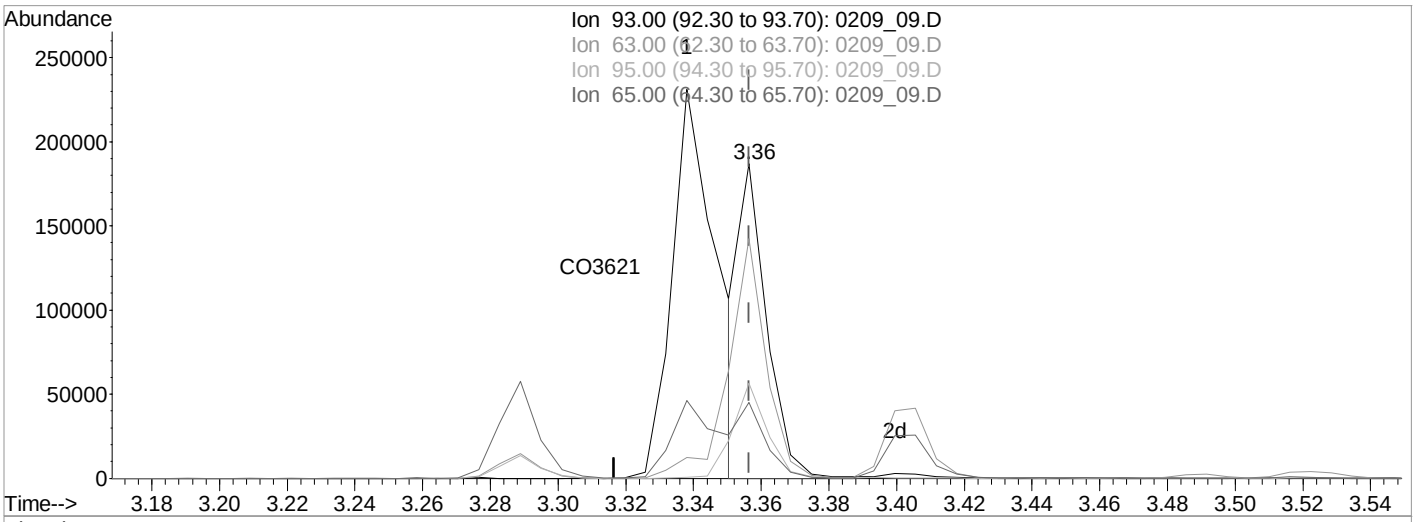
Ion	Exp%	Act%
252.00	100	100
253.00	21.60	21.58
126.00	18.30	18.28
113.00	8.80	8.83

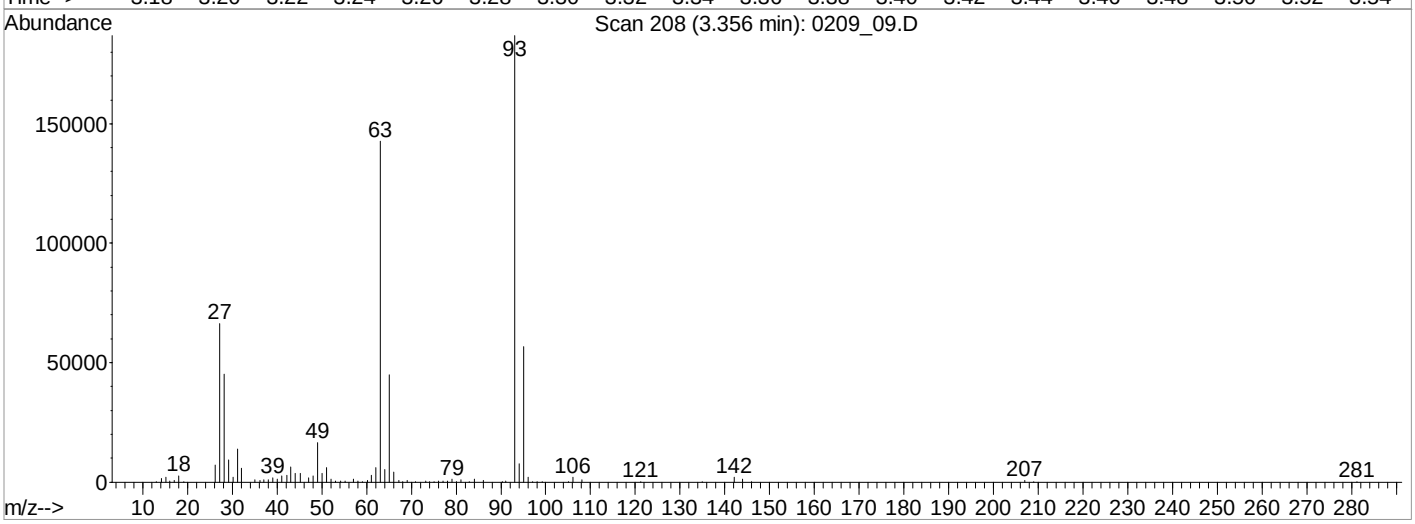
0209_09.D S804B09V.M Mon Feb 14 11:53:36 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 09.D Vial: 6
Acq On : 9 Feb 2022 11:46 am Operator: 917
Sample : MSTD SVMS 10K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:51 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:49:28 2022
Response via : Multiple Level Calibration





TIC: 0209_09.D

(6) bis(2-Chloroethyl)ether (MT)

3.36min (0.000) 10000.0000000 ppb m

response 103260

Ion	Exp%	Act%
93.00	100	100
63.00	76.20	76.22
95.00	30.20	30.24
65.00	24.00	24.04

0209_09.D S804B09V.M Mon Feb 14 15:51:08 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 10.D Vial: 7
Acq On : 9 Feb 2022 12:07 pm Operator: 917
Sample : STD SVMS 20K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:56 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:33:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	86208	8000.00 ppb		0.00
23) Naphthalene-d8	4.26	136	347138	8000.00 ppb		0.00
46) Acenaphthene-d10	5.44	164	183569	8000.00 ppb		0.00
70) Phenanthrene-d10	6.57	188	330840	8000.00 ppb		0.00
84) Chrysene-d12	9.54	240	285073	8000.00 ppb		0.01
94) Perylene-d12	12.39	264	302743	8000.00 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.85	112	272239	18661.6543157 ppb		0.00
Spiked Amount 666.000			Recovery = 2802.05%			
7) Phenol-d5	3.28	99	324364	18496.6942819 ppb		0.00
Spiked Amount 666.000			Recovery = 2777.28%			
24) Nitrobenzene-d5	3.82	82	295460	19368.4291281 ppb		0.00
Spiked Amount 333.000			Recovery = 5816.35%			
50) 2-Fluorobiphenyl	4.95	172	586401	17903.9561881 ppb		0.00
Spiked Amount 333.000			Recovery = 5376.56%			
73) 2,4,6-Tribromophenol	6.03	330	77136	22666.6083724 ppb		0.00
Spiked Amount 666.000			Recovery = 3403.39%			
87) p-Terphenyl-d14	8.04	244	789163	20272.1352079 ppb		0.00
Spiked Amount 333.000			Recovery = 6087.73%			
Target Compounds						Qvalue
2) Pyridine	2.30	79	261928	19542.3134867 ppb		96
3) N-Nitrosodimethylamine	2.29	42	136057	17864.3509858 ppb		95
5) Aniline	3.34	66	154541	18585.4791613 ppb		96
6) bis(2-Chloroethyl)ether	3.36	93	232095m	9847.6121887 ppb		
8) Phenol	3.29	94	342395	18553.0677715 ppb		100
10) 2-Chlorophenol	3.41	128	272840	18496.2866686 ppb		99
11) n-Decane	3.40	41	157445	17389.9510473 ppb		99
12) 1,3-Dichlorobenzene	3.49	146	306344	18199.5524043 ppb		98
13) 1,4-Dichlorobenzene	3.53	146	320047	18479.3195352 ppb		99
14) Benzyl Alcohol	3.58	79	215987	19320.0163386 ppb		100
15) 1,2-Dichlorobenzene	3.61	146	293093	18376.6949746 ppb		98
16) bis(2-Chloroisopropyl)ethe	3.65	121	96264	17046.2821911 ppb	#	60
17) 2,2-oxybis(1-chloropropane	3.65	121	96264	17046.2821911 ppb	#	60
18) 2-Methylphenol	3.62	108	248477	18585.3987464 ppb		98
19) Hexachloroethane	3.80	117	117446	18955.2970174 ppb		99
20) N-Nitrosodi-n-propylamine	3.72	70	181180	18494.1786409 ppb		94
21) 3&4-Methyl phenol	3.71	107	282323	18610.6871902 ppb		98
25) Nitrobenzene	3.84	77	277783	18685.5725230 ppb		99
26) Isophorone	3.97	82	502937	19075.1991737 ppb		92
27) 2-Nitrophenol	4.02	139	143139	20204.6602031 ppb		98
28) 2,4-Dimethylphenol	4.01	107	257480	18549.1054427 ppb		100
29) bis(2-Chlorethoxy)methane	4.08	93	312005	17922.1424470 ppb		99
30) 2,4-Dichlorophenol	4.15	162	221280	19202.5171699 ppb		97
32) 1,2,4-Trichlorobenzene	4.22	180	241090	18087.6469240 ppb		98
34) Naphthalene	4.27	128	844829	18259.7283814 ppb		100
35) 4-Chloroaniline	4.29	65	98492	18538.6186811 ppb		96
36) Hexachloro-1,3-butadiene	4.34	225	131833	18272.6824704 ppb		96
40) 4-Chloro-3-methylphenol	4.58	107	224609	19504.8371308 ppb		97
41) 2-Methylnaphthalene	4.71	142	542000	18003.1584047 ppb		100
42) 1-Methylnaphthalene	4.78	142	513619	18228.4010365 ppb		100
47) Hexachlorocyclopentadiene	4.81	237	168652	19525.3320136 ppb		98
48) 2,4,6-Trichlorophenol	4.89	196	150293	18865.1085833 ppb		99
49) 2,4,5-Trichlorophenol	4.91	196	167246	19927.2482835 ppb		97

(#) = qualifier out of range (m) = manual integration
0209_10.D S804B09V.M Mon Feb 14 15:57:34 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 10.D Vial: 7
Acq On : 9 Feb 2022 12:07 pm Operator: 917
Sample : STD SVMS 20K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:56 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:33:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

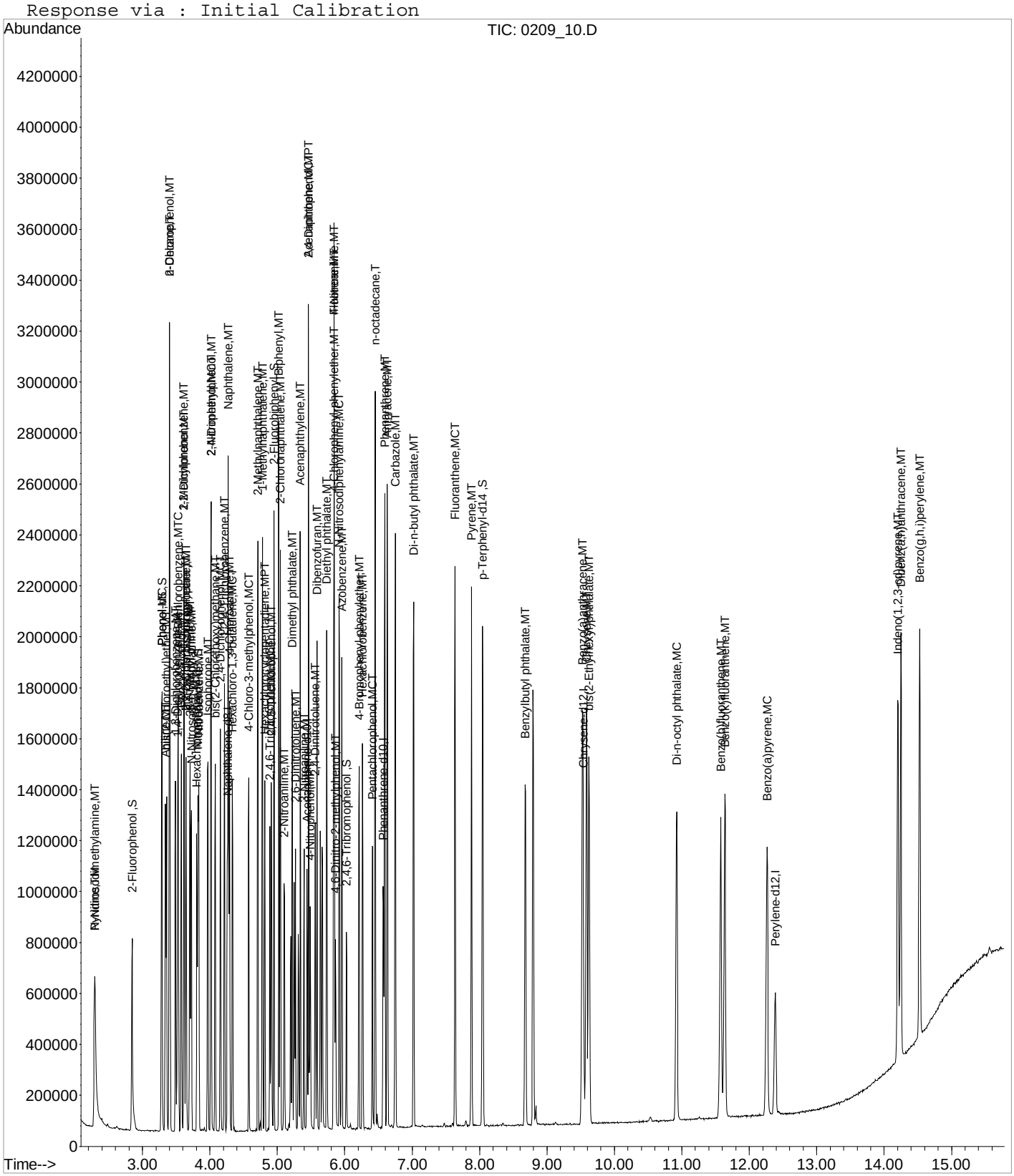
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	Biphenyl	5.02	154	647595	17888.5309328	ppb		100
52)	2-Chloronaphthalene	5.05	162	500906	18068.1297005	ppb		99
53)	2-Nitroaniline	5.11	138	166348	21452.1290308	ppb		100
54)	Acenaphthylene	5.34	152	788960	18919.6543485	ppb		100
55)	Dimethyl phthalate	5.22	163	534597	19479.6555890	ppb		95
56)	2,6-Dinitrotoluene	5.27	165	129766	21567.5036117	ppb	#	79
57)	3-Nitroaniline	5.40	138	140498	22117.3384802	ppb	#	85
58)	Acenaphthene	5.46	153	508839	18134.1011029	ppb		99
59)	2,4-Dinitrophenol	5.47	184	62248	30503.8465152	ppb	#	8
60)	Dibenzofuran	5.59	168	713375	18240.2762900	ppb		99
61)	2,4-Dinitrotoluene	5.56	165	167911	23398.2738002	ppb		94
63)	4-Nitrophenol	5.49	139	116283	22354.0769151	ppb		90
64)	Fluorene	5.84	166	578867	18529.5764942	ppb		98
65)	4-Chlorophenyl-phenylether	5.83	204	271726	17962.4414075	ppb		98
66)	Diethyl phthalate	5.73	149	540003	19010.0642596	ppb		100
67)	4-Nitroaniline	5.84	138	139219	21654.3738027	ppb		98
68)	Azobenzene	5.95	77	538003	18780.1955363	ppb		100
71)	4,6-Dinitro-2-methylphenol	5.86	198	86560	28504.1559685	ppb		91
72)	N-Nitrosodiphenylamine	5.92	169	483553	19435.6144222	ppb		99
74)	4-Bromophenyl-phenylether	6.21	248	158468	19591.0940675	ppb		99
75)	Hexachlorobenzene	6.26	284	171080	18685.5046189	ppb		98
76)	n-octadecane	6.45	55	93724	17633.1560311	ppb		98
77)	Pentachlorophenol	6.41	266	103486	24396.1140361	ppb		98
78)	Phenanthrene	6.59	178	834889	18436.2632779	ppb		99
79)	Anthracene	6.63	178	861133	19130.3122795	ppb		100
80)	Carbazole	6.75	167	789748	18989.7533321	ppb		100
81)	Di-n-butyl phthalate	7.02	149	923993	20402.1772648	ppb		100
83)	Fluoranthene	7.64	202	879416	18984.1216772	ppb		100
86)	Pyrene	7.88	202	923400	19934.4915246	ppb		99
88)	Benzylbutyl phthalate	8.68	149	392900	21875.2708207	ppb		95
90)	Benzo(a)anthracene	9.52	228	814305	19407.2635003	ppb		99
91)	Chrysene	9.58	228	783536	19067.5727386	ppb		98
92)	bis(2-Ethylhexyl)phthalate	9.62	149	543287	22108.5689402	ppb		99
93)	Di-n-octyl phthalate	10.92	149	917409	23020.5211479	ppb		99
95)	Benzo(b)fluoranthene	11.57	252	833715	18841.8209418	ppb		100
96)	Benzo(k)fluoranthene	11.64	252	832949	19248.9008472	ppb		99
97)	Benzo(a)pyrene	12.26	252	744155	19933.4238986	ppb		99
98)	Indeno(1,2,3-cd)pyrene	14.20	276	743921	19873.7191700	ppb		97
99)	Dibenz(a,h)anthracene	14.25	278	777012m	19311.3833174	ppb		
100)	Benzo(g,h,i)perylene	14.53	276	761773	18997.7471488	ppb		99

(#) = qualifier out of range (m) = manual integration
0209_10.D S804B09V.M Mon Feb 14 15:57:34 2022 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 10.D Vial: 7
Acq On : 9 Feb 2022 12:07 pm Operator: 917
Sample : STD SVMS 20K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:56 2022 Quant Results File: S804B09V.RES

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:53:30 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:00 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:40:00 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	86467	8000.00 ppb		0.00
23) Naphthalene-d8	4.26	136	338831	8000.00 ppb		0.00
46) Acenaphthene-d10	5.44	164	181617	8000.00 ppb		0.00
70) Phenanthrene-d10	6.57	188	323775	8000.00 ppb		0.00
84) Chrysene-d12	9.54	240	286155	8000.00 ppb		0.01
94) Perylene-d12	12.39	264	297513	8000.00 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.85	112	396904	27493.7551409 ppb		0.00
Spiked Amount 666.000			Recovery = 4128.19%			
7) Phenol-d5	3.28	99	479003	27648.7325708 ppb		0.00
Spiked Amount 666.000			Recovery = 4151.46%			
24) Nitrobenzene-d5	3.82	82	437748	29586.2873557 ppb		0.00
Spiked Amount 333.000			Recovery = 8884.77%			
50) 2-Fluorobiphenyl	4.95	172	859895	27104.5580823 ppb		0.00
Spiked Amount 333.000			Recovery = 8139.51%			
73) 2,4,6-Tribromophenol	6.03	330	114484	33482.6410351 ppb		0.00
Spiked Amount 666.000			Recovery = 5027.42%			
87) p-Terphenyl-d14	8.05	244	1170779	29880.1096870 ppb		0.00
Spiked Amount 333.000			Recovery = 8973.01%			
Target Compounds						Qvalue
2) Pyridine	2.30	79	396351	29618.5269538 ppb		94
3) N-Nitrosodimethylamine	2.29	42	198133	26503.0481554 ppb		92
5) Aniline	3.34	66	225992	27485.7338400 ppb		95
6) bis(2-Chloroethyl)ether	3.36	93	361980m	14180.1077032 ppb		
8) Phenol	3.29	94	503929	27623.8813249 ppb		98
10) 2-Chlorophenol	3.41	128	404850	27781.0061873 ppb		99
11) n-Decane	3.40	41	230021	26008.7813892 ppb		100
12) 1,3-Dichlorobenzene	3.49	146	453285	27340.7451256 ppb		97
13) 1,4-Dichlorobenzene	3.53	146	467492	27327.4140627 ppb		99
14) Benzyl Alcohol	3.58	79	321645	28881.3226194 ppb		100
15) 1,2-Dichlorobenzene	3.61	146	429368	27283.2803134 ppb		98
16) bis(2-Chloroisopropyl)ethe	3.65	121	143314	26071.8989188 ppb	#	61
17) 2,2-oxybis(1-chloropropane	3.65	121	143314	26071.8989188 ppb	#	61
18) 2-Methylphenol	3.62	108	367051	27764.9362732 ppb		99
19) Hexachloroethane	3.80	117	171733	27925.7118393 ppb		97
20) N-Nitrosodi-n-propylamine	3.72	70	265139	27395.8653183 ppb		97
21) 3&4-Methyl phenol	3.71	107	417216	27806.7541719 ppb		98
25) Nitrobenzene	3.84	77	406583	28393.2636833 ppb		99
26) Isophorone	3.97	82	744063	29182.2832651 ppb		95
27) 2-Nitrophenol	4.02	139	215234	31062.4386869 ppb		97
28) 2,4-Dimethylphenol	4.02	107	384614	28805.1997458 ppb		95
29) bis(2-Chlorethoxy)methane	4.08	93	456276	27421.6832015 ppb		98
30) 2,4-Dichlorophenol	4.15	162	325979	29214.7349032 ppb		95
32) 1,2,4-Trichlorobenzene	4.22	180	348647	27320.8062112 ppb		98
34) Naphthalene	4.27	128	1231112	27743.8370133 ppb		100
35) 4-Chloroaniline	4.29	65	145575	28488.9054183 ppb		98
36) Hexachloro-1,3-butadiene	4.34	225	192487	27814.1495195 ppb		96
40) 4-Chloro-3-methylphenol	4.58	107	332331	29713.9819067 ppb		96
41) 2-Methylnaphthalene	4.71	142	798214	27717.0946035 ppb		99
42) 1-Methylnaphthalene	4.78	142	749807	27754.8528533 ppb		99
47) Hexachlorocyclopentadiene	4.81	237	252254	29658.8428408 ppb		97
48) 2,4,6-Trichlorophenol	4.89	196	239963	30793.8957639 ppb		99
49) 2,4,5-Trichlorophenol	4.92	196	233799	28176.8965672 ppb		90

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:00 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:40:00 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

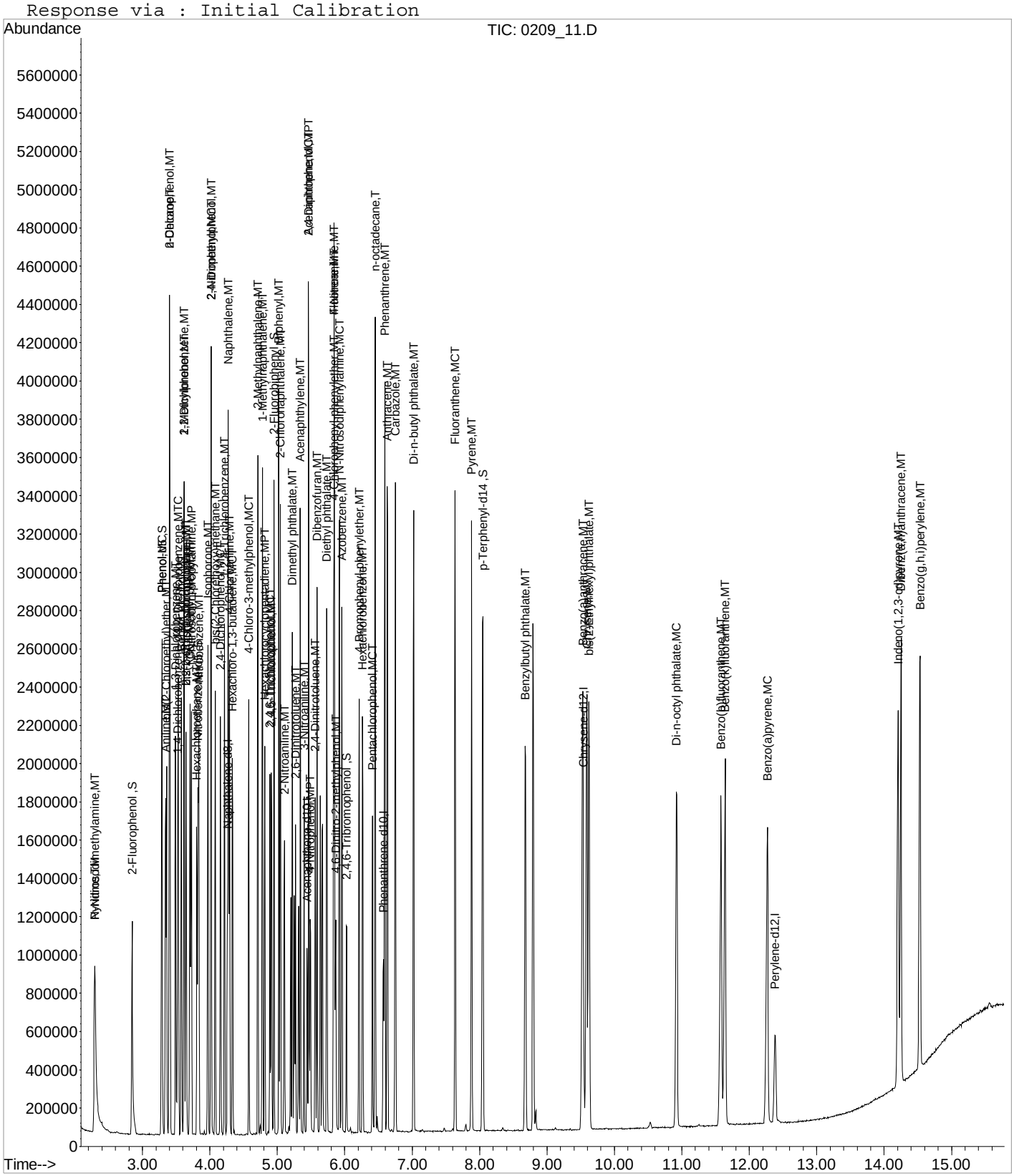
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
51)	Biphenyl	5.02	154	954298	27218.6284076 ppb		100
52)	2-Chloronaphthalene	5.05	162	729917	27135.9728440 ppb		99
53)	2-Nitroaniline	5.11	138	252000	32376.8830601 ppb		99
54)	Acenaphthylene	5.34	152	1177864	28861.1488889 ppb		100
55)	Dimethyl phthalate	5.22	163	798035	29545.0865909 ppb		98
56)	2,6-Dinitrotoluene	5.27	165	195650	32359.8783339 ppb		87
57)	3-Nitroaniline	5.40	138	214569	33432.8235967 ppb		92
58)	Acenaphthene	5.46	153	761361	27946.6119578 ppb		100
59)	2,4-Dinitrophenol	5.47	184	103583	46428.3381283 ppb	#	5
60)	Dibenzofuran	5.59	168	1040729	27378.1723117 ppb		100
61)	2,4-Dinitrotoluene	5.56	165	250004	34055.0234732 ppb		91
63)	4-Nitrophenol	5.49	139	179386	34053.8922654 ppb		94
64)	Fluorene	5.84	166	862949	28336.6208660 ppb		98
65)	4-Chlorophenyl-phenylether	5.83	204	395130	26949.9161147 ppb		98
66)	Diethyl phthalate	5.73	149	813472	29234.3554715 ppb		99
67)	4-Nitroaniline	5.85	138	203025	31398.8262569 ppb		98
68)	Azobenzene	5.95	77	792154	28294.2375148 ppb		99
71)	4,6-Dinitro-2-methylphenol	5.87	198	135786	42108.9352390 ppb		92
72)	N-Nitrosodiphenylamine	5.92	169	724399	29920.2193573 ppb		99
74)	4-Bromophenyl-phenylether	6.21	248	234282	29717.3604968 ppb		98
75)	Hexachlorobenzene	6.27	284	257996	29176.9503169 ppb		98
76)	n-octadecane	6.45	55	136953	26966.7219366 ppb		98
77)	Pentachlorophenol	6.41	266	156898	36203.1890934 ppb		96
78)	Phenanthrene	6.59	178	1222718	28027.8670594 ppb		99
79)	Anthracene	6.64	178	1260001	28852.9977991 ppb		100
80)	Carbazole	6.75	167	1111930	27598.9585677 ppb		99
81)	Di-n-butyl phthalate	7.02	149	1387515	31180.0704196 ppb		100
83)	Fluoranthene	7.64	202	1317288	29355.2678784 ppb		100
86)	Pyrene	7.88	202	1371296	29511.1301678 ppb		99
88)	Benzylbutyl phthalate	8.68	149	589200	32078.9480949 ppb		96
90)	Benzo(a)anthracene	9.53	228	1211731	28941.4341701 ppb		99
91)	Chrysene	9.59	228	1161595	28425.9125421 ppb		99
92)	bis(2-Ethylhexyl)phthalate	9.62	149	821035	32597.5941135 ppb		99
93)	Di-n-octyl phthalate	10.92	149	1390793	33747.8146961 ppb		99
95)	Benzo(b)fluoranthene	11.58	252	1234766	28728.7906567 ppb		99
96)	Benzo(k)fluoranthene	11.64	252	1230724	29160.2102659 ppb		98
97)	Benzo(a)pyrene	12.27	252	1103829	30107.7078810 ppb		99
98)	Indeno(1,2,3-cd)pyrene	14.21	276	1064818	28983.0879255 ppb		98
99)	Dibenz(a,h)anthracene	14.25	278	1133383m	28860.8413210 ppb		
100)	Benzo(g,h,i)perylene	14.53	276	1087164	27868.5544106 ppb		94

(#) = qualifier out of range (m) = manual integration
0209_11.D S804B09V.M Mon Feb 14 16:00:15 2022 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:00 2022 Quant Results File: S804B09V.RES

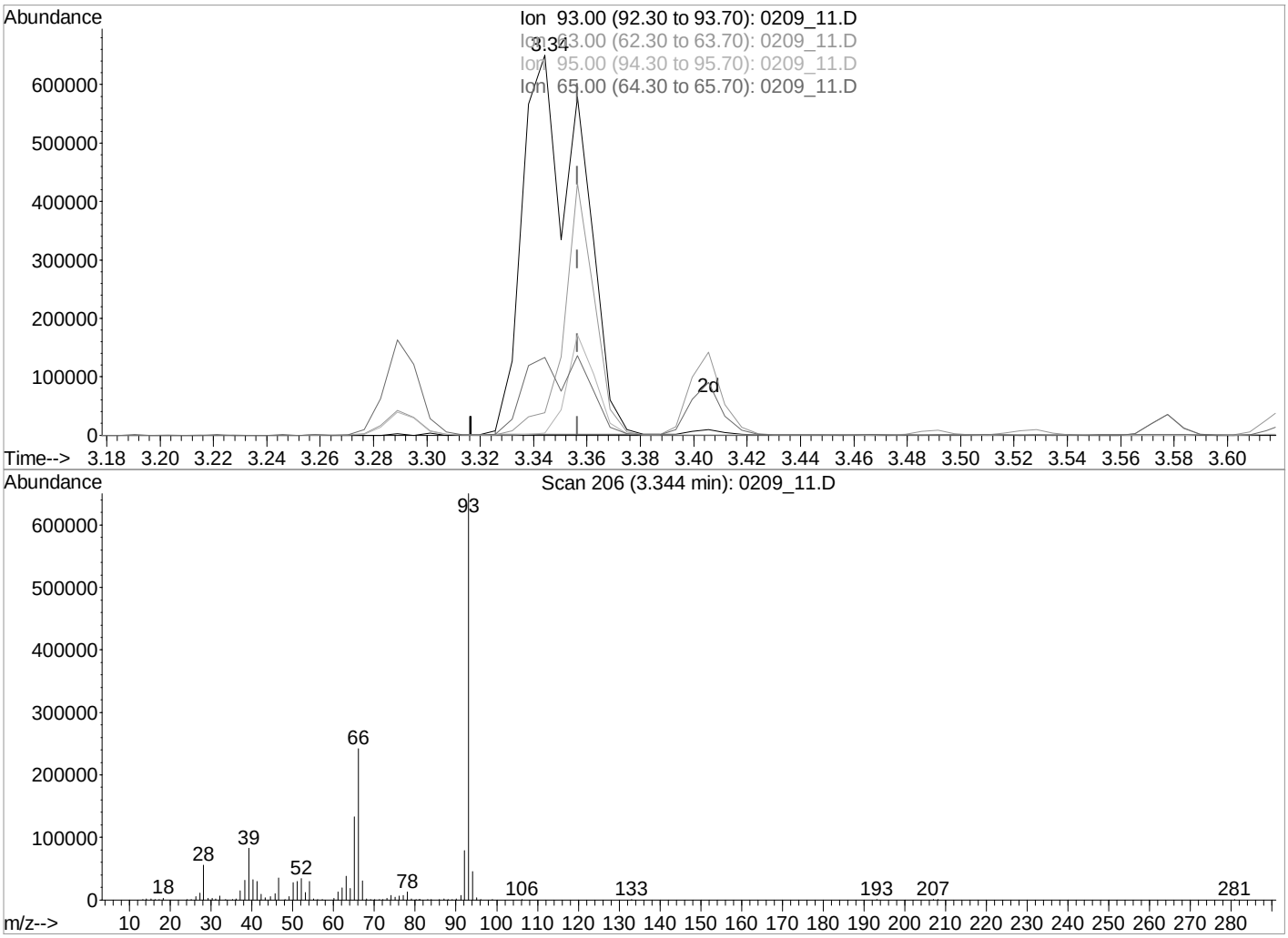
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:58:05 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 12:41 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:40:00 2022
Response via : Multiple Level Calibration



TIC: 0209_11.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.012) 38212.7225291 ppb

Qvalue = 38

response 975468

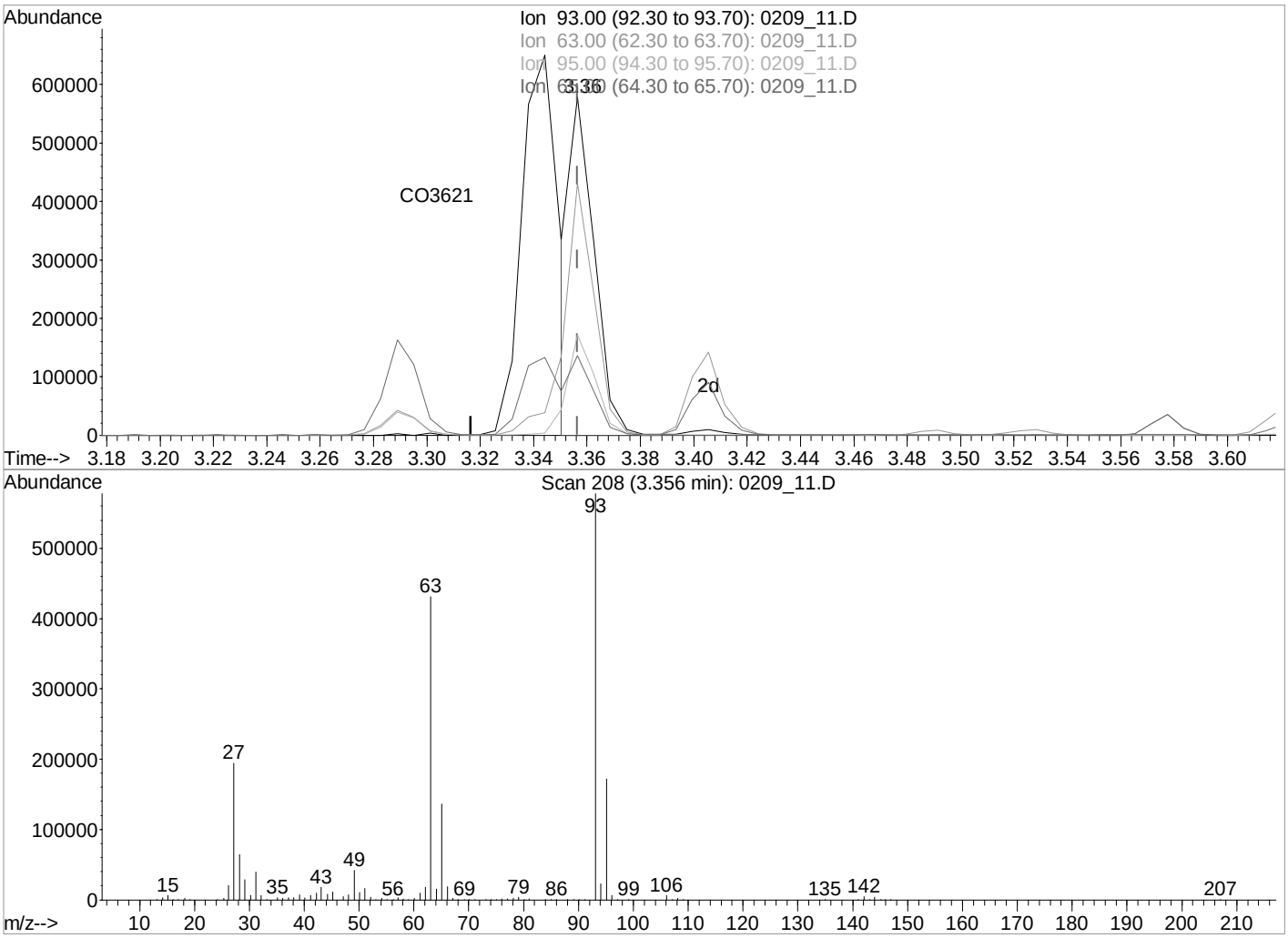
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.77#
95.00	30.20	0.50#
65.00	24.00	20.39

0209_11.D S804B09V.M Mon Feb 14 12:41:54 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 12:41 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:40:00 2022
Response via : Multiple Level Calibration



TIC: 0209_11.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.012) 38212.7225291 ppb

Qvalue = 38

response 975468

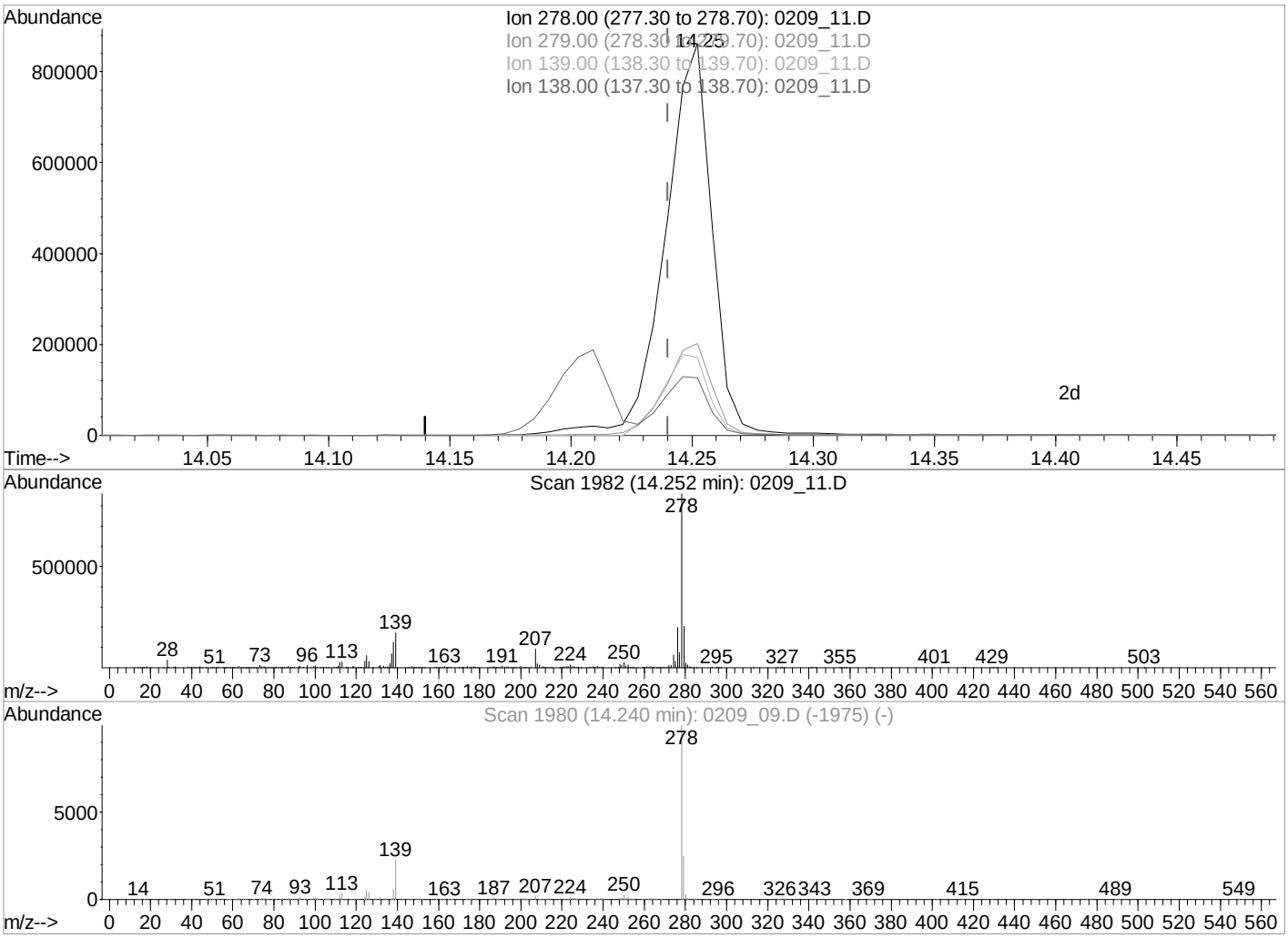
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.77#
95.00	30.20	0.50#
65.00	24.00	20.39

0209_11.D S804B09V.M Mon Feb 14 12:42:08 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 12:41 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:40:00 2022
Response via : Multiple Level Calibration



TIC: 0209_11.D

(99) Dibenz(a,h)anthracene (MT)

14.25min (+0.012) 29724.9225085 ppb

Qvalue = 96

response 1167316

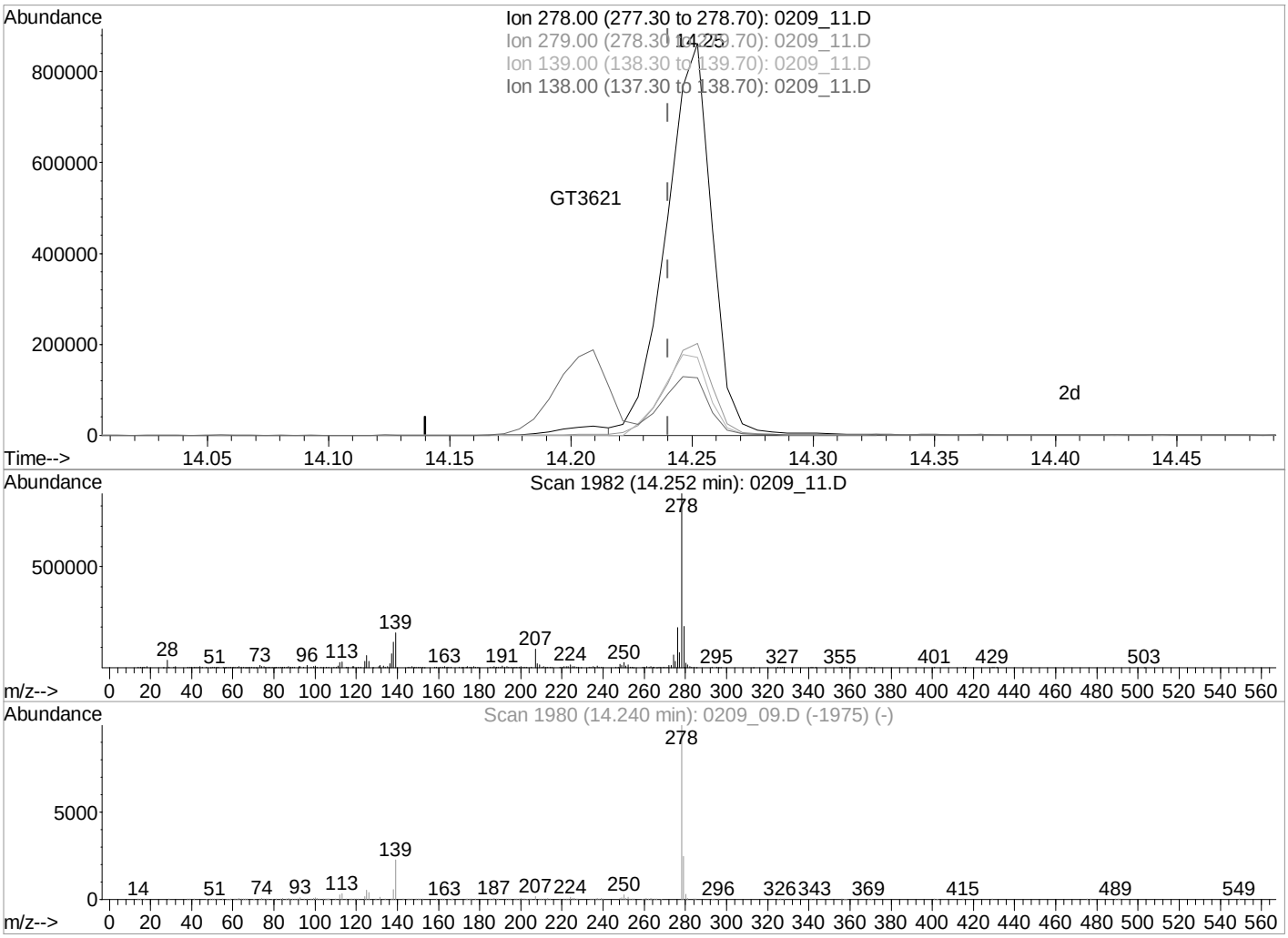
Ion	Exp%	Act%
278.00	100	100
279.00	24.40	23.43
139.00	22.10	19.81
138.00	16.70	14.55

0209_11.D S804B09V.M Mon Feb 14 12:45:49 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 12:46 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:40:00 2022
Response via : Multiple Level Calibration



TIC: 0209_11.D

(99) Dibenz(a,h)anthracene (MT)

14.25min (+0.012) 28882.0021811 ppb m

response 1134214

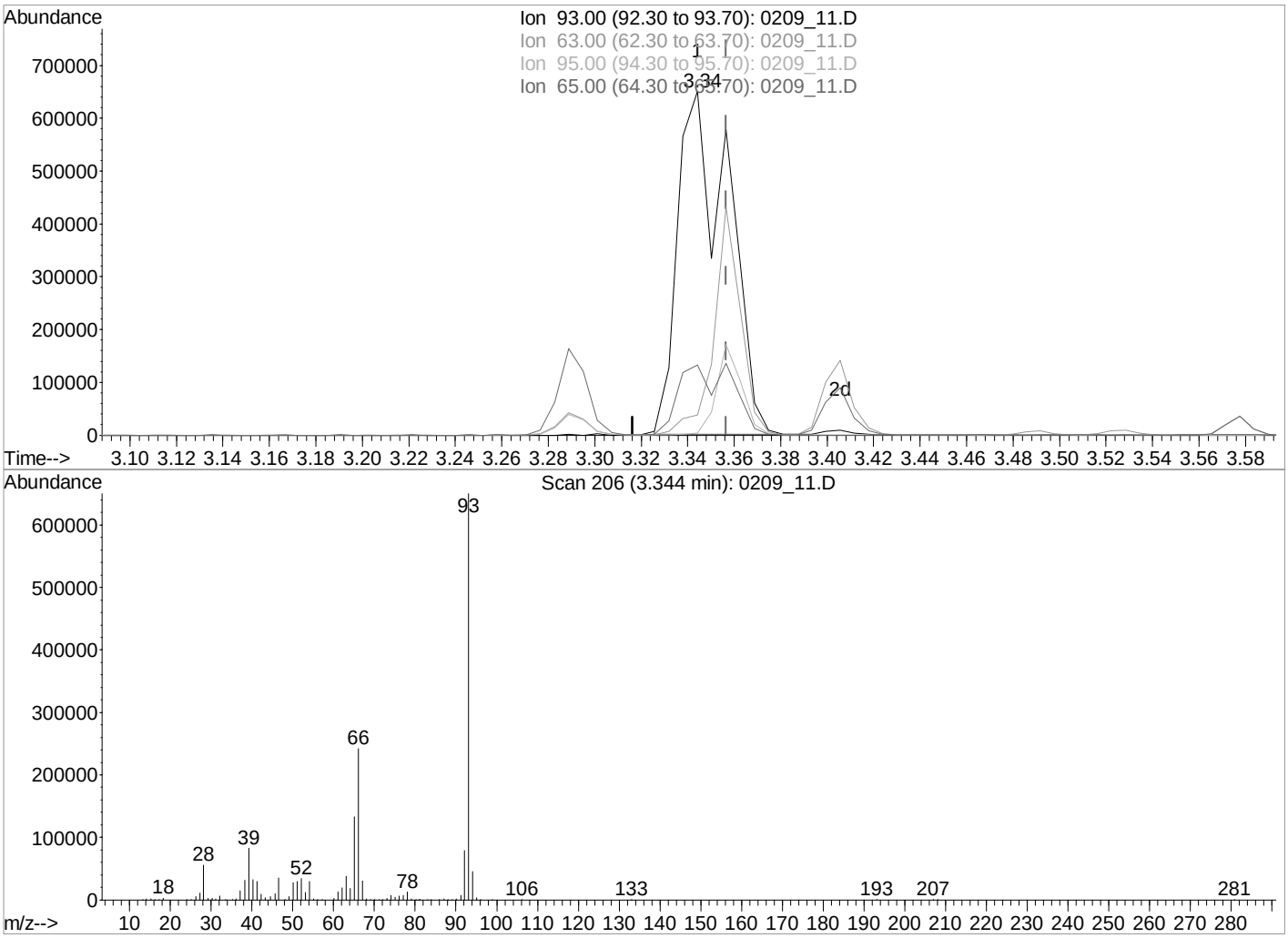
Ion	Exp%	Act%
278.00	100	100
279.00	24.40	23.46
139.00	22.10	19.84
138.00	16.70	14.59

0209_11.D S804B09V.M Mon Feb 14 12:46:05 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 12:46 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:58:05 2022
Response via : Multiple Level Calibration



TIC: 0209_11.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.012) 38212.7225291 ppb

Qvalue = 38

response 975468

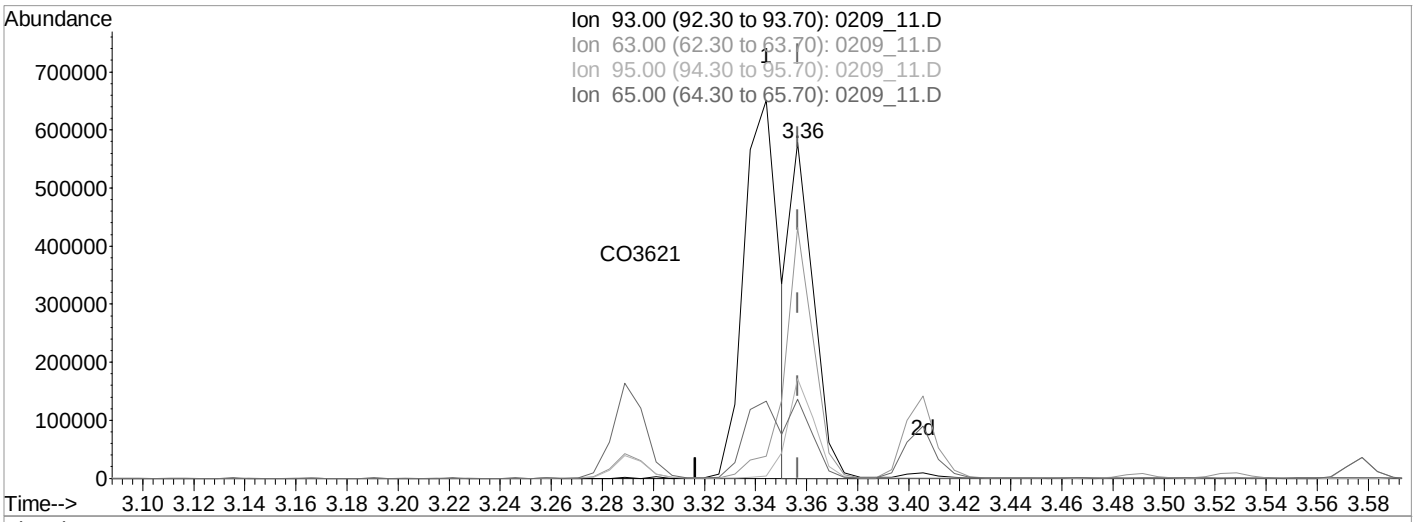
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.77#
95.00	30.20	0.50#
65.00	24.00	20.39

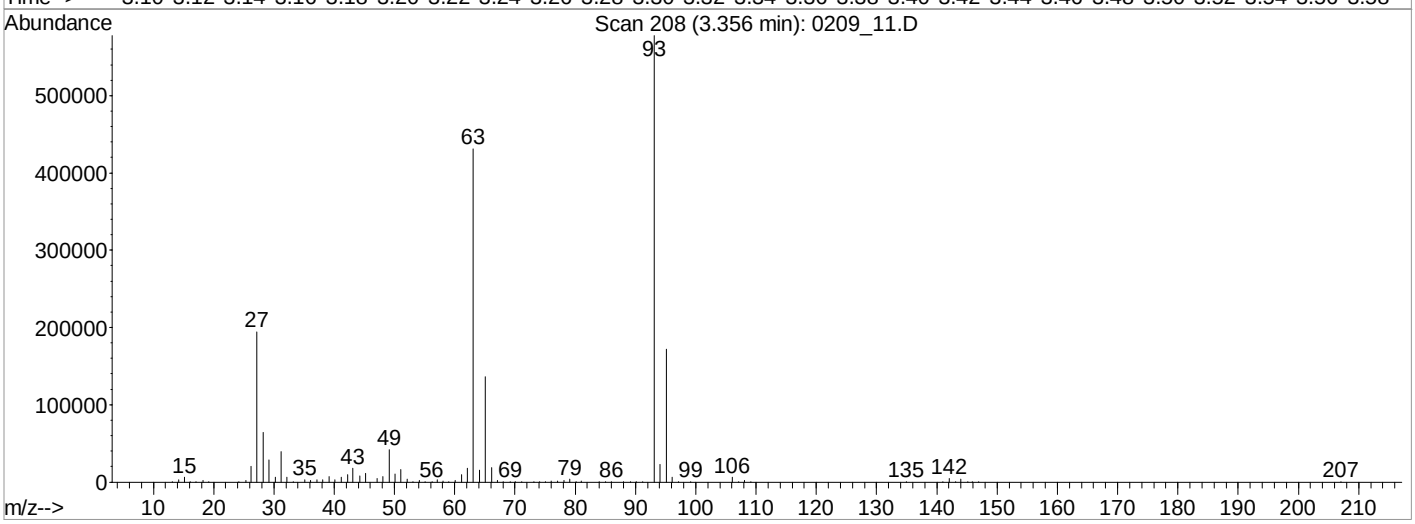
0209_11.D S804B09V.M Mon Feb 14 15:59:21 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:59 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:58:05 2022
Response via : Multiple Level Calibration





TIC: 0209_11.D

(6) bis(2-Chloroethyl)ether (MT)

3.36min (-0.000) 14180.1077032 ppb m

response 361980

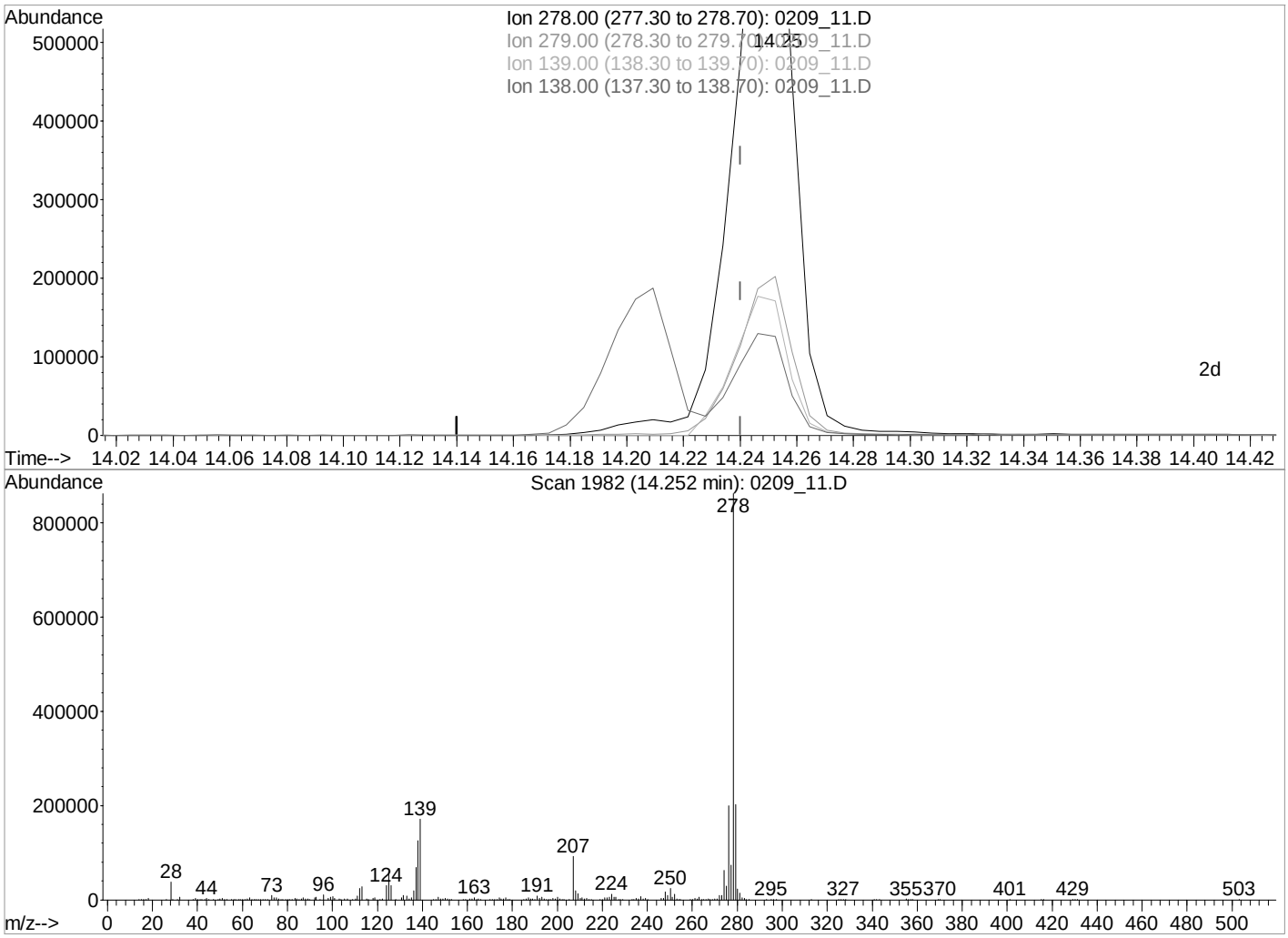
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	74.57
95.00	30.20	29.67
65.00	24.00	23.57

0209_11.D S804B09V.M Mon Feb 14 15:59:35 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 15:59 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:58:05 2022
Response via : Multiple Level Calibration



TIC: 0209_11.D

(99) Dibenz(a,h)anthracene (MT)

14.25min (+0.012) 29577.4840246 ppb m

response 1161526

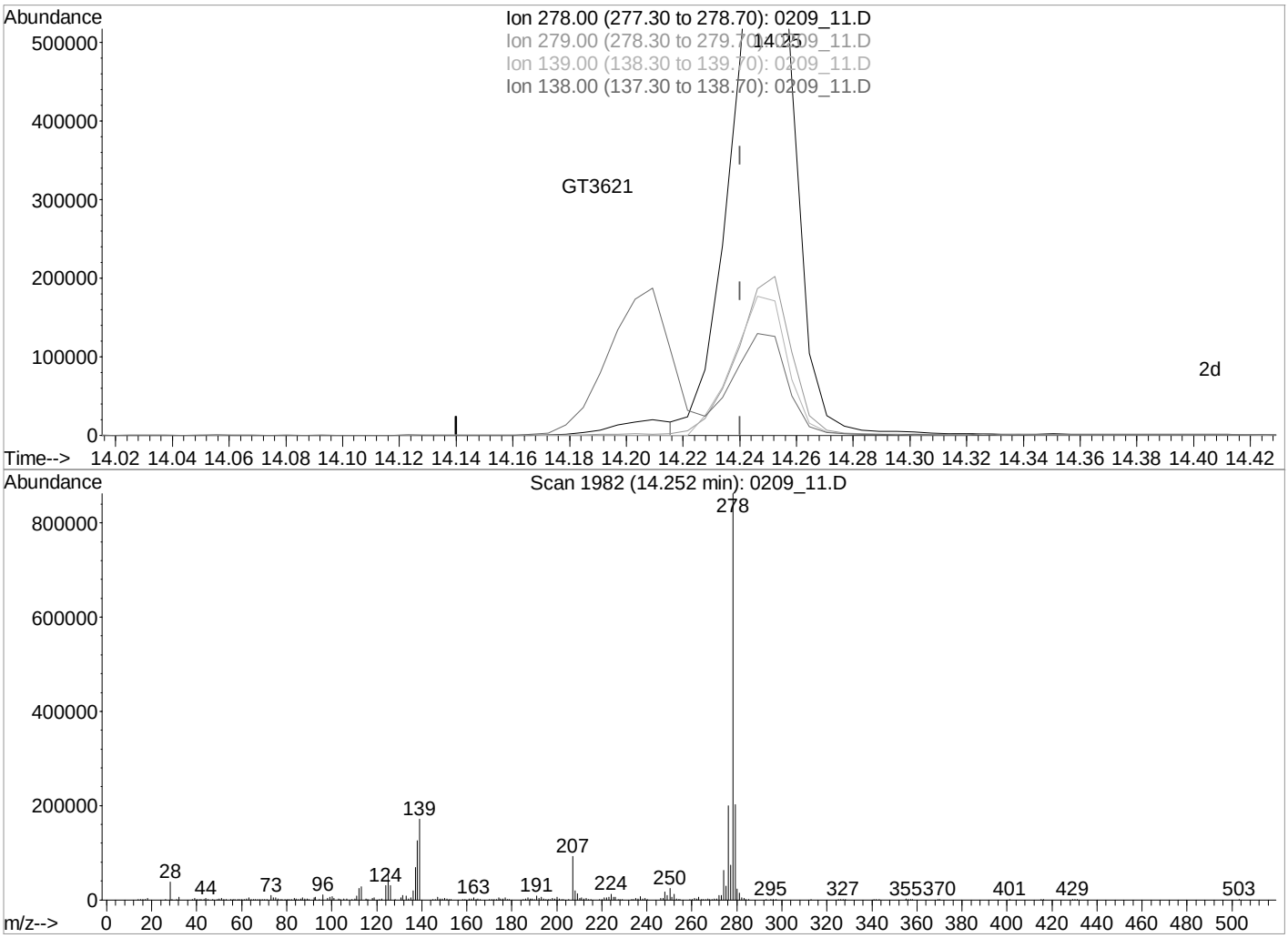
Ion	Exp%	Act%
278.00	100	100
279.00	24.40	23.46
139.00	22.10	19.84
138.00	16.70	14.59

0209_11.D S804B09V.M Mon Feb 14 15:59:56 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 11.D Vial: 8
Acq On : 9 Feb 2022 12:27 pm Operator: 917
Sample : STD SVMS 30K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:00 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 15:58:05 2022
Response via : Multiple Level Calibration



TIC: 0209_11.D

(99) Dibenz(a,h)anthracene (MT)

14.25min (+0.012) 28860.8413210 ppb m

response 1133383

Ion	Exp%	Act%
278.00	100	100
279.00	24.40	23.46
139.00	22.10	19.84
138.00	16.70	14.59

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 12.D Vial: 9
Acq On : 9 Feb 2022 12:48 pm Operator: 917
Sample : STD SVMS 40K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:10 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:00:35 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	87467m	8000.00 ppb	0.00
23) Naphthalene-d8	4.26	136	341732	8000.00 ppb	0.00
46) Acenaphthene-d10	5.44	164	182560	8000.00 ppb	0.00
70) Phenanthrene-d10	6.57	188	318126	8000.00 ppb	0.00
84) Chrysene-d12	9.55	240	292226	8000.00 ppb	0.02
94) Perylene-d12	12.39	264	304548	8000.00 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.85	112	531044	37370.2200771 ppb	0.00
Spiked Amount 666.000			Recovery	= 5611.14%	
7) Phenol-d5	3.28	99	637749	37392.5144194 ppb	0.00
Spiked Amount 666.000			Recovery	= 5614.49%	
24) Nitrobenzene-d5	3.82	82	583502	40242.1631535 ppb	0.00
Spiked Amount 333.000			Recovery	= 12084.73%	
50) 2-Fluorobiphenyl	4.95	172	1151371	37386.3354702 ppb	0.00
Spiked Amount 333.000			Recovery	= 11227.13%	
73) 2,4,6-Tribromophenol	6.03	330	159920	44407.1598699 ppb	0.00
Spiked Amount 666.000			Recovery	= 6667.74%	
87) p-Terphenyl-d14	8.05	244	1610324	40322.5863908 ppb	0.00
Spiked Amount 333.000			Recovery	= 12108.88%	
Target Compounds					Qvalue
2) Pyridine	2.29	79	530979	39242.0417090 ppb	94
3) N-Nitrosodimethylamine	2.28	42	266600	36709.1991107 ppb	92
5) Aniline	3.34	66	302187	37348.2466300 ppb	94
6) bis(2-Chloroethyl)ether	3.36	93	492159m	27672.6256004 ppb	
8) Phenol	3.29	94	672710	37444.4764522 ppb	97
10) 2-Chlorophenol	3.41	128	540976	37608.6060560 ppb	99
11) n-Decane	3.40	41	301867	35628.1919174 ppb	98
12) 1,3-Dichlorobenzene	3.49	146	608753	37429.1238340 ppb	99
13) 1,4-Dichlorobenzene	3.53	146	623673	37255.8873494 ppb	99
14) Benzyl Alcohol	3.58	79	428419	38508.7772803 ppb	100
15) 1,2-Dichlorobenzene	3.61	146	571666	37149.2358810 ppb	98
16) bis(2-Chloroisopropyl)ethe	3.65	121	186702	35455.3036766 ppb #	59
17) 2,2-oxybis(1-chloropropane	3.65	121	186702	35455.3036766 ppb #	59
18) 2-Methylphenol	3.62	108	484867	37303.1335811 ppb	98
19) Hexachloroethane	3.80	117	230924	38001.5428483 ppb	98
20) N-Nitrosodi-n-propylamine	3.72	70	356081	37487.0261982 ppb	99
21) 3&4-Methyl phenol	3.71	107	554387	37549.4457488 ppb	98
25) Nitrobenzene	3.84	77	541148	38169.6686673 ppb	97
26) Isophorone	3.97	82	988961	38885.7931128 ppb	97
27) 2-Nitrophenol	4.02	139	293528	41077.0676710 ppb	94
28) 2,4-Dimethylphenol	4.02	107	507150	38214.6705164 ppb	96
29) bis(2-Chlorethoxy)methane	4.08	93	608273	37406.3337815 ppb	97
30) 2,4-Dichlorophenol	4.15	162	436215	39017.8213772 ppb	94
32) 1,2,4-Trichlorobenzene	4.22	180	470672	37610.3096616 ppb	98
34) Naphthalene	4.27	128	1638066	37641.7190686 ppb	100
35) 4-Chloroaniline	4.29	65	192978	38165.4842430 ppb	98
36) Hexachloro-1,3-butadiene	4.34	225	260451	38150.0890158 ppb	96
40) 4-Chloro-3-methylphenol	4.58	107	441649	39189.2944371 ppb	95
41) 2-Methylnaphthalene	4.71	142	1071294	37779.6978255 ppb	99
42) 1-Methylnaphthalene	4.78	142	1018387	38216.0571488 ppb	99
47) Hexachlorocyclopentadiene	4.81	237	340960	39863.7559909 ppb	97
48) 2,4,6-Trichlorophenol	4.89	196	320804	40515.0174392 ppb	97
49) 2,4,5-Trichlorophenol	4.92	196	322612	39149.4243208 ppb	90

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 12.D Vial: 9
Acq On : 9 Feb 2022 12:48 pm Operator: 917
Sample : STD SVMS 40K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:10 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:00:35 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

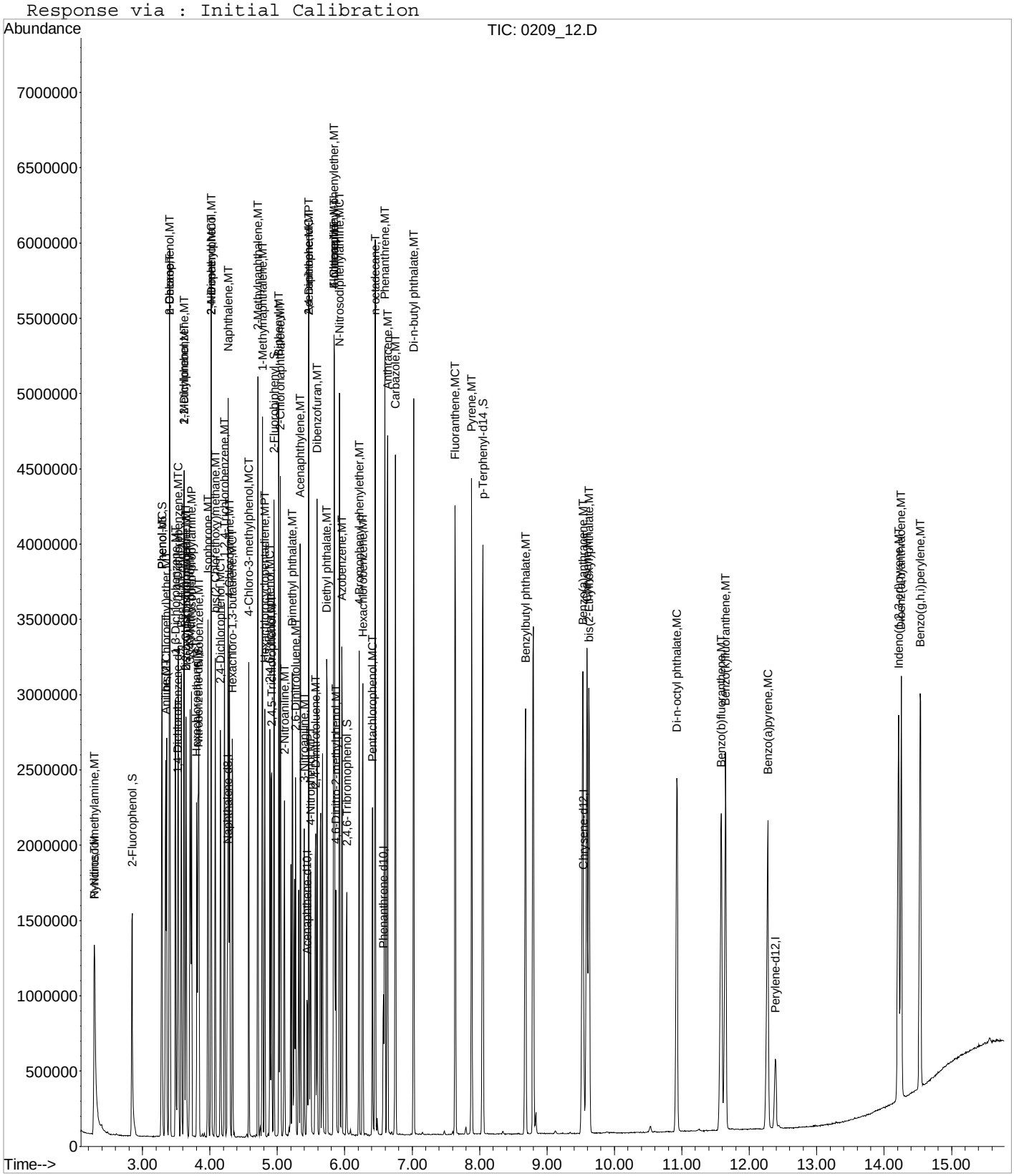
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	Biphenyl	5.02	154	1303316	38111.3359445	ppb		99
52)	2-Chloronaphthalene	5.05	162	979007	37511.8057862	ppb		98
53)	2-Nitroaniline	5.11	138	342351	42317.5955894	ppb		98
54)	Acenaphthylene	5.34	152	1588608	39126.7393856	ppb		99
55)	Dimethyl phthalate	5.22	163	1058778	39157.6162617	ppb		100
56)	2,6-Dinitrotoluene	5.27	165	260810	41603.1785962	ppb		95
57)	3-Nitroaniline	5.40	138	286828	42495.3425702	ppb		96
58)	Acenaphthene	5.47	153	1013503	37945.6657033	ppb		96
59)	2,4-Dinitrophenol	5.47	184	145907	52538.8415132	ppb	#	17
60)	Dibenzofuran	5.59	168	1401121	37825.9781253	ppb		100
61)	2,4-Dinitrotoluene	5.57	165	344829	43923.7949054	ppb		97
63)	4-Nitrophenol	5.49	139	240093	43064.5466551	ppb		95
64)	Fluorene	5.84	166	1159234	38581.5718380	ppb		99
65)	4-Chlorophenyl-phenylether	5.84	204	535116	37555.3657476	ppb		88
66)	Diethyl phthalate	5.73	149	1089772	39339.9868130	ppb		99
67)	4-Nitroaniline	5.85	138	213656	33796.9567868	ppb		96
68)	Azobenzene	5.95	77	1061155	38402.5673874	ppb		100
71)	4,6-Dinitro-2-methylphenol	5.87	198	176996	48081.6828813	ppb		99
72)	N-Nitrosodiphenylamine	5.92	169	982230	40631.4208105	ppb		99
74)	4-Bromophenyl-phenylether	6.21	248	315621	40228.8334657	ppb		94
75)	Hexachlorobenzene	6.27	284	348572	39928.9901746	ppb		99
76)	n-octadecane	6.45	55	187466	38513.5503620	ppb		98
77)	Pentachlorophenol	6.41	266	214451	45834.3096376	ppb		97
78)	Phenanthrene	6.59	178	1588877	37960.1017014	ppb		99
79)	Anthracene	6.64	178	1636676	38630.5645907	ppb		100
80)	Carbazole	6.75	167	1476577	38198.2056116	ppb		99
81)	Di-n-butyl phthalate	7.02	149	1922913	42491.4478801	ppb		100
83)	Fluoranthene	7.64	202	1784764	40137.6631631	ppb		99
86)	Pyrene	7.88	202	1858834	39532.6283317	ppb		99
88)	Benzylbutyl phthalate	8.68	149	805471	41893.8726269	ppb		98
90)	Benzo(a)anthracene	9.53	228	1652877	39280.5024417	ppb		99
91)	Chrysene	9.59	228	1584261	38850.3193263	ppb		99
92)	bis(2-Ethylhexyl)phthalate	9.62	149	1113109	42031.3076523	ppb		99
93)	Di-n-octyl phthalate	10.92	149	1901374	43218.2087672	ppb		99
95)	Benzo(b)fluoranthene	11.59	252	1661740	38302.6598317	ppb		99
96)	Benzo(k)fluoranthene	11.65	252	1666940	39007.6629727	ppb		98
97)	Benzo(a)pyrene	12.27	252	1488575	39615.4990577	ppb		100
98)	Indeno(1,2,3-cd)pyrene	14.22	276	1411209	38225.8587590	ppb		98
99)	Dibenz(a,h)anthracene	14.26	278	1497799m	38054.6751967	ppb		
100)	Benzo(g,h,i)perylene	14.54	276	1416806	36871.9258324	ppb		94

(#) = qualifier out of range (m) = manual integration
0209_12.D S804B09V.M Mon Feb 14 16:14:43 2022 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 12.D Vial: 9
Acq On : 9 Feb 2022 12:48 pm Operator: 917
Sample : STD SVMS 40K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:10 2022 Quant Results File: S804B09V.RES

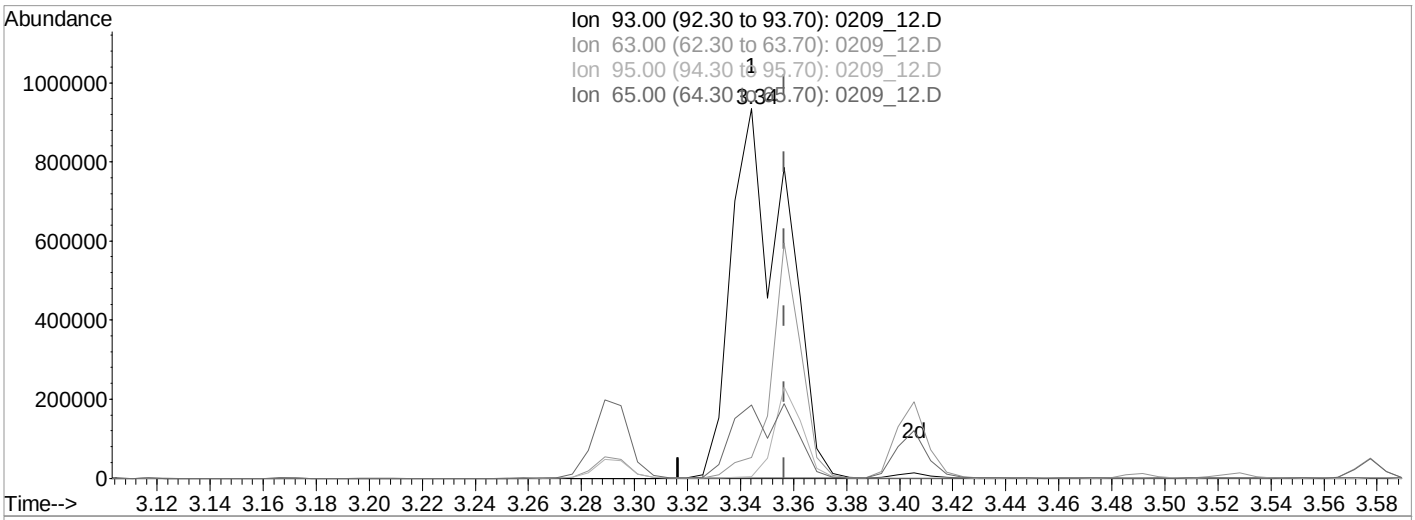
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:14:29 2022
Response via : Initial Calibration

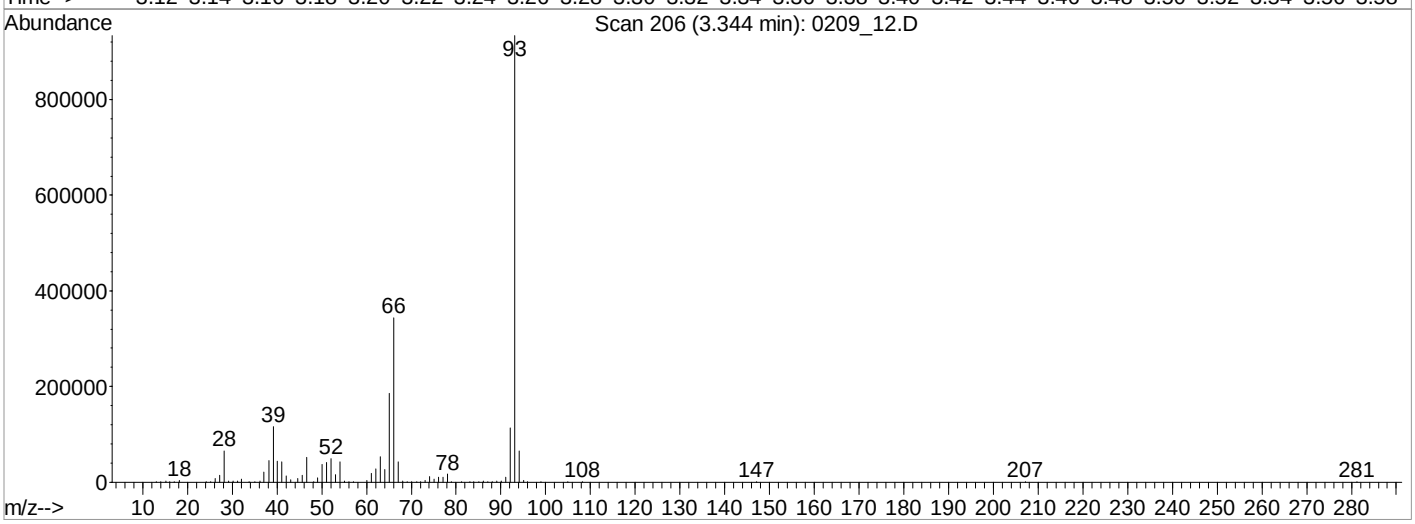


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 12.D Vial: 9
Acq On : 9 Feb 2022 12:48 pm Operator: 917
Sample : STD SVMS 40K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:02 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:00:35 2022
Response via : Multiple Level Calibration





TIC: 0209_12.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.012) 0.0000000 ppb

response 1313644

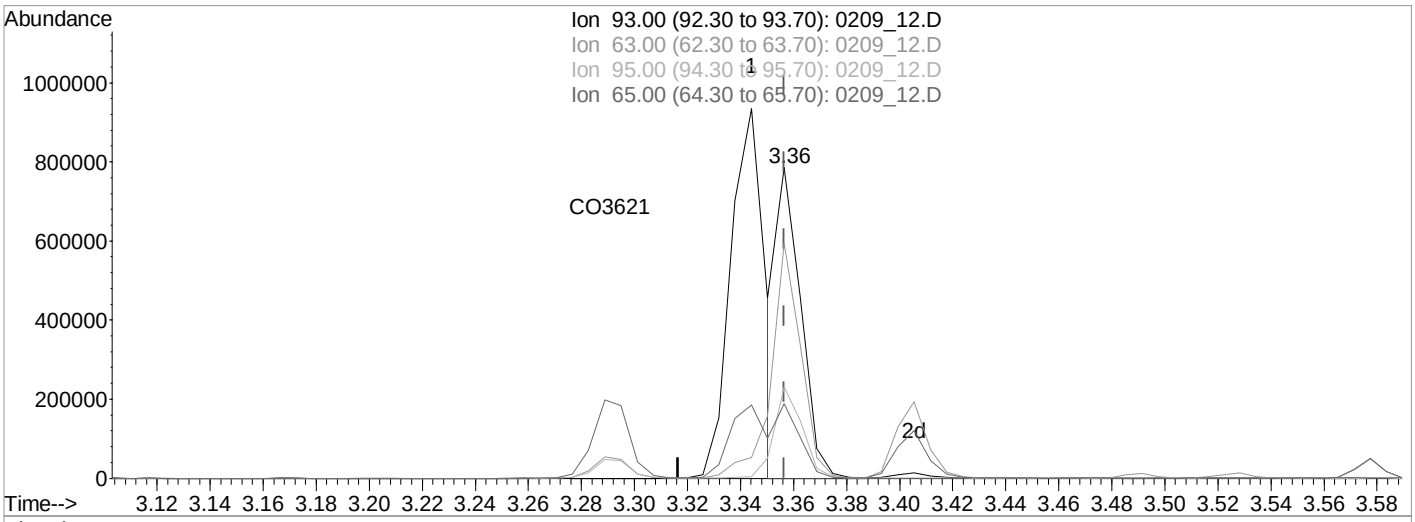
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.62#
95.00	30.20	0.39#
65.00	24.00	19.74

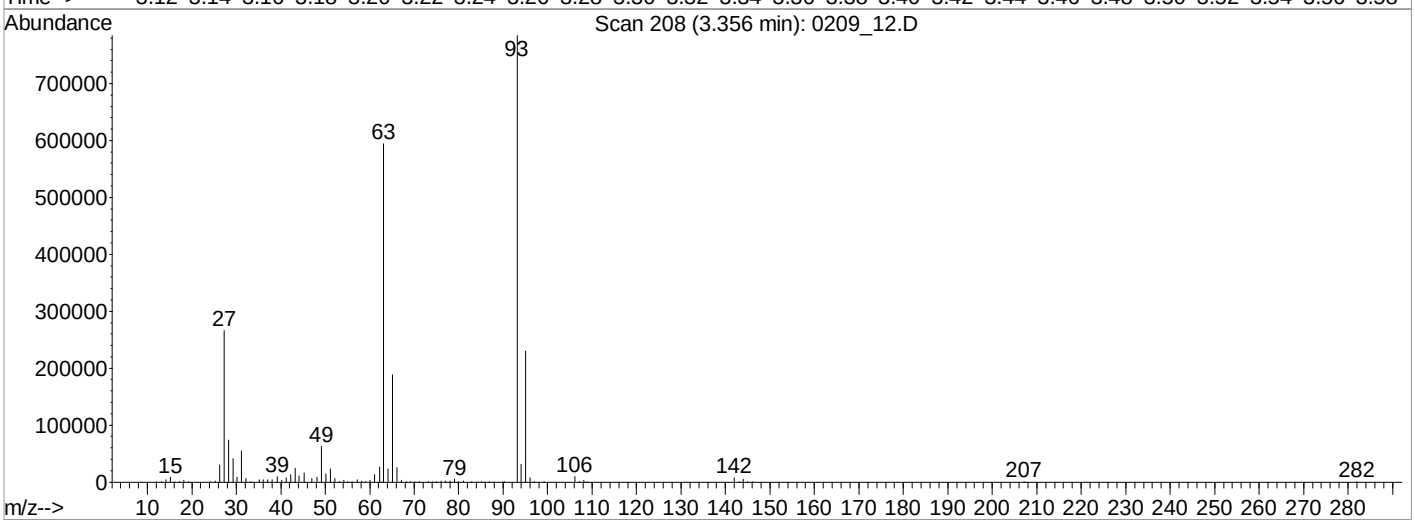
0209_12.D S804B09V.M Mon Feb 14 16:03:04 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 12.D Vial: 9
Acq On : 9 Feb 2022 12:48 pm Operator: 917
Sample : STD SVMS 40K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:02 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:00:35 2022
Response via : Multiple Level Calibration





TIC: 0209_12.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.012) 0.0000000 ppb

response 1313644

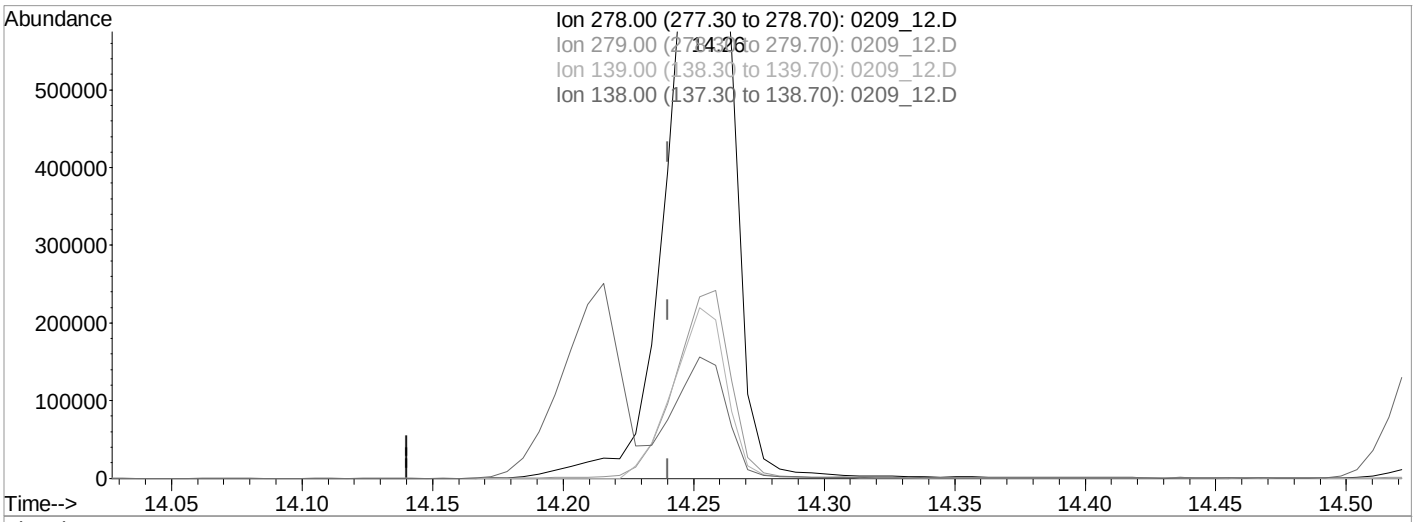
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.62#
95.00	30.20	0.39#
65.00	24.00	19.74

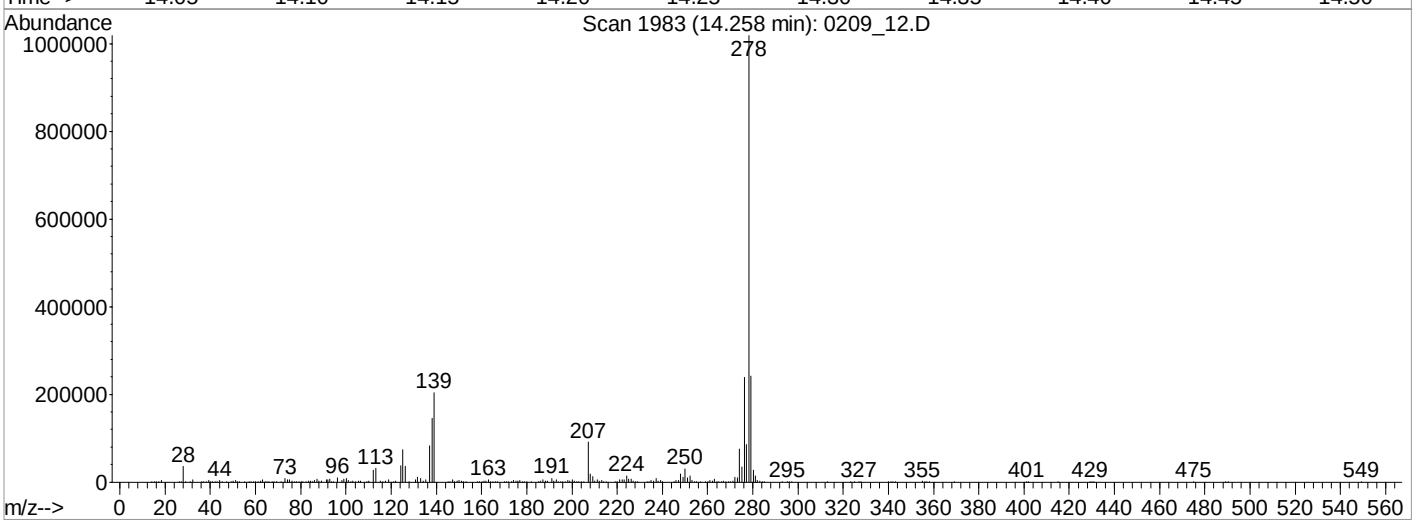
0209_12.D S804B09V.M Mon Feb 14 16:03:19 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 12.D Vial: 9
Acq On : 9 Feb 2022 12:48 pm Operator: 917
Sample : STD SVMS 40K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:02 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:00:35 2022
Response via : Multiple Level Calibration





TIC: 0209_12.D

(99) Dibenz(a,h)anthracene (MT)

14.26min (+0.018) 39213.5930184 ppb

Qvalue = 96

response 1543413

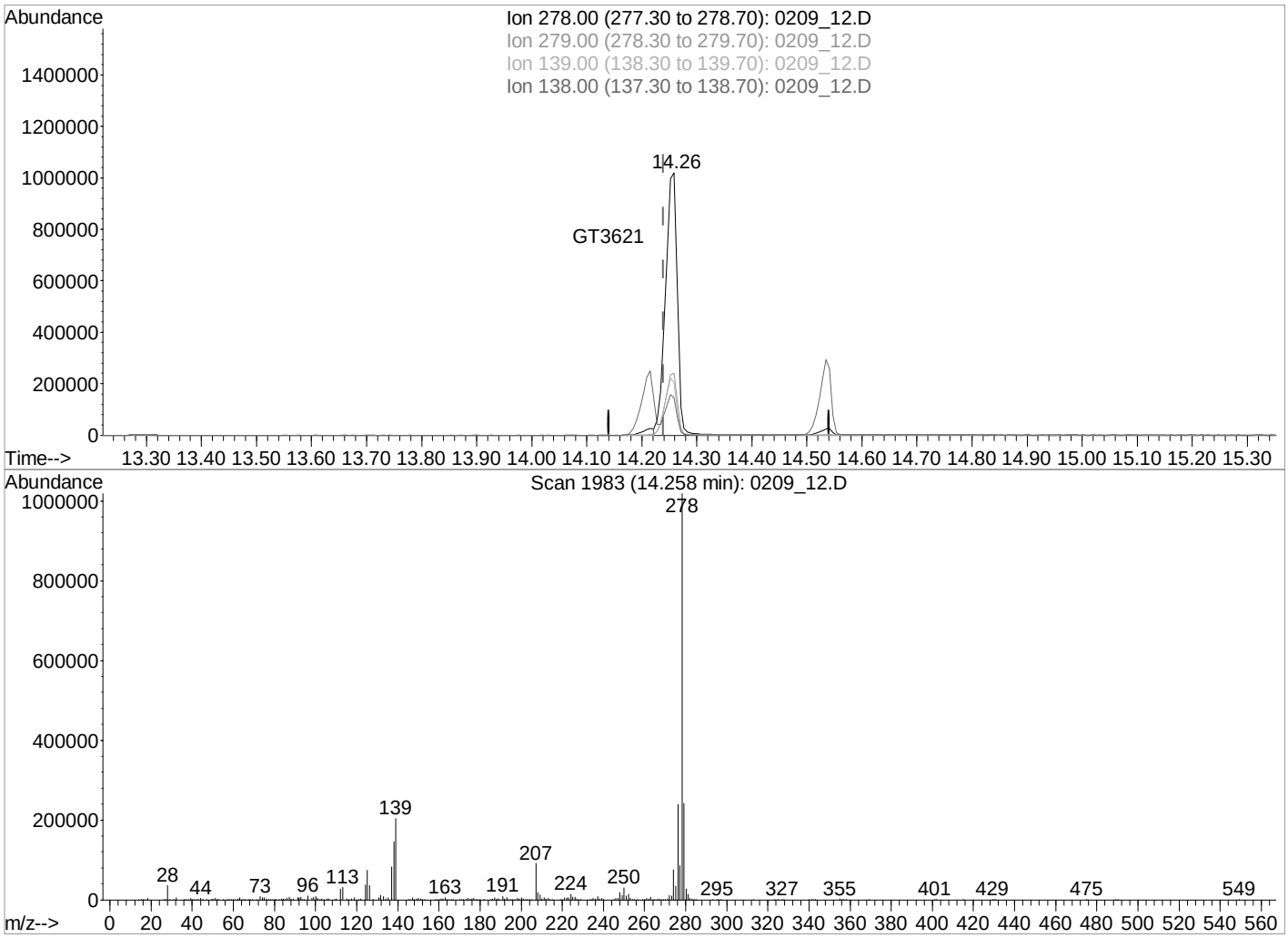
Ion	Exp%	Act%
278.00	100	100
279.00	24.40	23.68
139.00	22.10	20.02
138.00	16.70	14.26

0209_12.D S804B09V.M Mon Feb 14 16:03:34 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 12.D Vial: 9
Acq On : 9 Feb 2022 12:48 pm Operator: 917
Sample : STD SVMS 40K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:03 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:00:35 2022
Response via : Multiple Level Calibration



TIC: 0209_12.D

(99) Dibenz(a,h)anthracene (MT)

14.26min (+0.018) 38054.6751967 ppb m

response 1497799

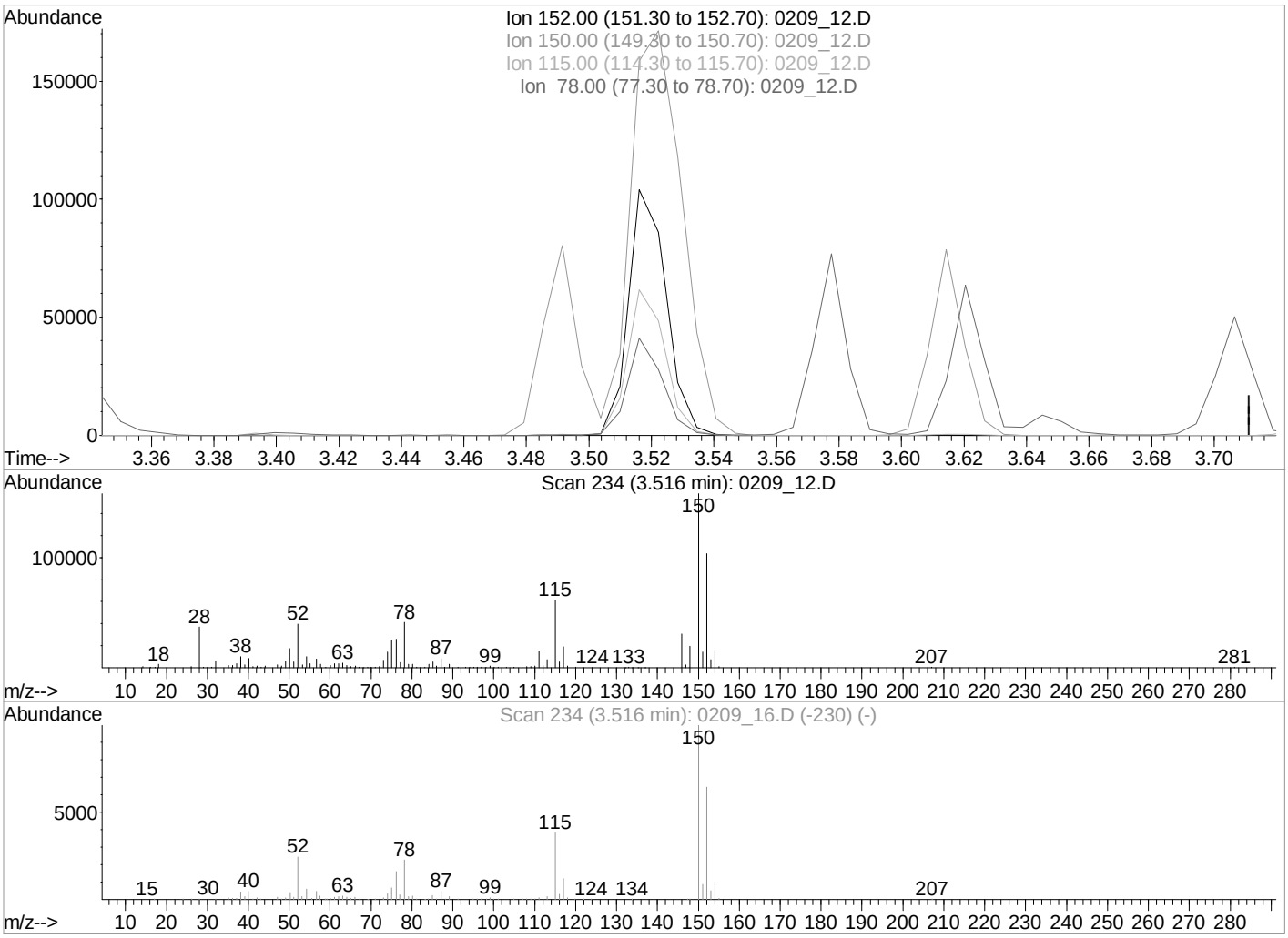
Ion	Exp%	Act%
278.00	100	100
279.00	24.40	23.71
139.00	22.10	20.02
138.00	16.70	14.29

0209_12.D S804B09V.M Mon Feb 14 16:05:30 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 12.D Vial: 9
Acq On : 9 Feb 2022 12:48 pm Operator: 917
Sample : STD SVMS 40K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:08 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:00:35 2022
Response via : Multiple Level Calibration



TIC: 0209_12.D

(1) 1,4-Dichlorobenzene-d4 (I)

3.52min (-3.516) 0.0000000 ppb d

response 0

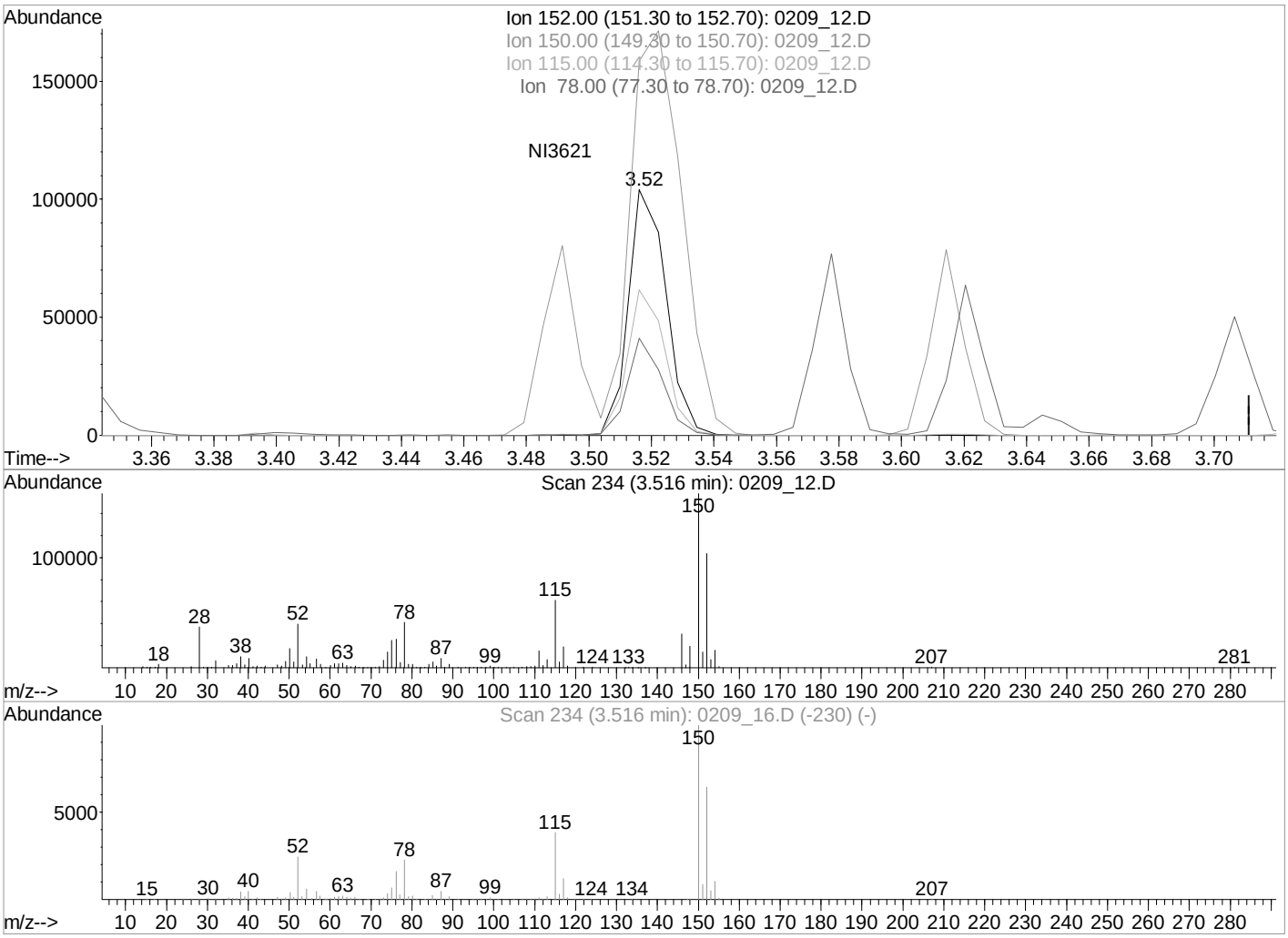
Ion	Exp%	Act%
152.00	100	0.00
150.00	155.20	0.00
115.00	59.30	0.00
78.00	35.00	0.00

0209_12.D S804B09V.M Mon Feb 14 16:10:09 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 12.D Vial: 9
Acq On : 9 Feb 2022 12:48 pm Operator: 917
Sample : STD SVMS 40K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:10 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:00:35 2022
Response via : Multiple Level Calibration



TIC: 0209_12.D

(1) 1,4-Dichlorobenzene-d4 (I)

3.52min (-0.000) 8000.0000000 ppb m

response 87467

Ion	Exp%	Act%
152.00	100	100
150.00	155.20	152.53
115.00	59.30	59.26
78.00	35.00	39.45

0209_12.D S804B09V.M Mon Feb 14 16:10:29 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:18 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:51:32 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	85491	8000.00	ppb		0.00
23) Naphthalene-d8	4.26	136	336033	8000.00	ppb		0.00
46) Acenaphthene-d10	5.44	164	182036	8000.00	ppb		0.00
70) Phenanthrene-d10	6.57	188	303150	8000.00	ppb		0.00
84) Chrysene-d12	9.55	240	299422	8000.00	ppb		0.02
94) Perylene-d12	12.39	264	295920	8000.00	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.85	112	685540	49268.3997408	ppb		0.00
Spiked Amount 666.000			Recovery = 7397.66%				
7) Phenol-d5	3.28	99	818468	48972.9451566	ppb		0.00
Spiked Amount 666.000			Recovery = 7353.30%				
24) Nitrobenzene-d5	3.82	82	678256m	46463.7671389	ppb		0.00
Spiked Amount 333.000			Recovery = 13953.08%				
50) 2-Fluorobiphenyl	4.95	172	1462149	47291.9672001	ppb		0.00
Spiked Amount 333.000			Recovery = 14201.79%				
73) 2,4,6-Tribromophenol	6.03	330	203186	60808.6198147	ppb		0.00
Spiked Amount 666.000			Recovery = 9130.42%				
87) p-Terphenyl-d14	8.05	244	2013746	49101.9592081	ppb		0.00
Spiked Amount 333.000			Recovery = 14745.33%				
Target Compounds							Qvalue
2) Pyridine	2.29	79	681495	51757.7992292	ppb		97
3) N-Nitrosodimethylamine	2.29	42	339759	47575.2742185	ppb		91
5) Aniline	3.34	66	389920	49209.1195109	ppb		95
6) bis(2-Chloroethyl)ether	3.36	93	649750m	23889.2924070	ppb		
8) Phenol	3.30	94	863642	49070.2900117	ppb		97
10) 2-Chlorophenol	3.41	128	694562	49319.1896257	ppb		99
11) n-Decane	3.40	41	379161	45241.9961601	ppb		99
12) 1,3-Dichlorobenzene	3.49	146	771098	48302.1674606	ppb		98
13) 1,4-Dichlorobenzene	3.53	146	785122	47710.9860129	ppb		99
14) Benzyl Alcohol	3.58	79	544123	50046.4969320	ppb		99
15) 1,2-Dichlorobenzene	3.61	146	721401	47687.1870177	ppb		98
16) bis(2-Chloroisopropyl)ethe	3.65	121	236106	45340.6582642	ppb	#	62
17) 2,2-oxybis(1-chloropropane	3.65	121	236106	45340.6582642	ppb	#	62
18) 2-Methylphenol	3.62	108	617710	48432.5889244	ppb		97
19) Hexachloroethane	3.80	117	291009	48857.5187075	ppb		98
20) N-Nitrosodi-n-propylamine	3.73	70	450158	48279.2340149	ppb		100
21) 3&4-Methyl phenol	3.71	107	699728	48282.1151226	ppb		99
25) Nitrobenzene	3.84	77	688841	49328.1690268	ppb		96
26) Isophorone	3.97	82	1236245	49353.4494025	ppb		98
27) 2-Nitrophenol	4.02	139	376131	54074.7423875	ppb		93
28) 2,4-Dimethylphenol	4.02	107	650314	49809.6897293	ppb		97
29) bis(2-Chlorethoxy)methane	4.08	93	768717	47811.7231221	ppb		97
30) 2,4-Dichlorophenol	4.16	162	555918	50650.3447239	ppb		92
32) 1,2,4-Trichlorobenzene	4.22	180	603526	48910.7083770	ppb		98
34) Naphthalene	4.27	128	2066329	48053.2072182	ppb		100
35) 4-Chloroaniline	4.29	65	244067	48960.4771090	ppb		97
36) Hexachloro-1,3-butadiene	4.34	225	331135	49231.5094775	ppb		96
40) 4-Chloro-3-methylphenol	4.58	107	567518	51390.2025153	ppb		94
41) 2-Methylnaphthalene	4.71	142	1377022	49298.2911741	ppb		100
42) 1-Methylnaphthalene	4.78	142	1292317	49222.1326390	ppb		99
47) Hexachlorocyclopentadiene	4.81	237	433861	50998.3780748	ppb		97
48) 2,4,6-Trichlorophenol	4.89	196	404822	51460.1647062	ppb		97
49) 2,4,5-Trichlorophenol	4.92	196	414908	50566.0675110	ppb		92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:18 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 12:51:32 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

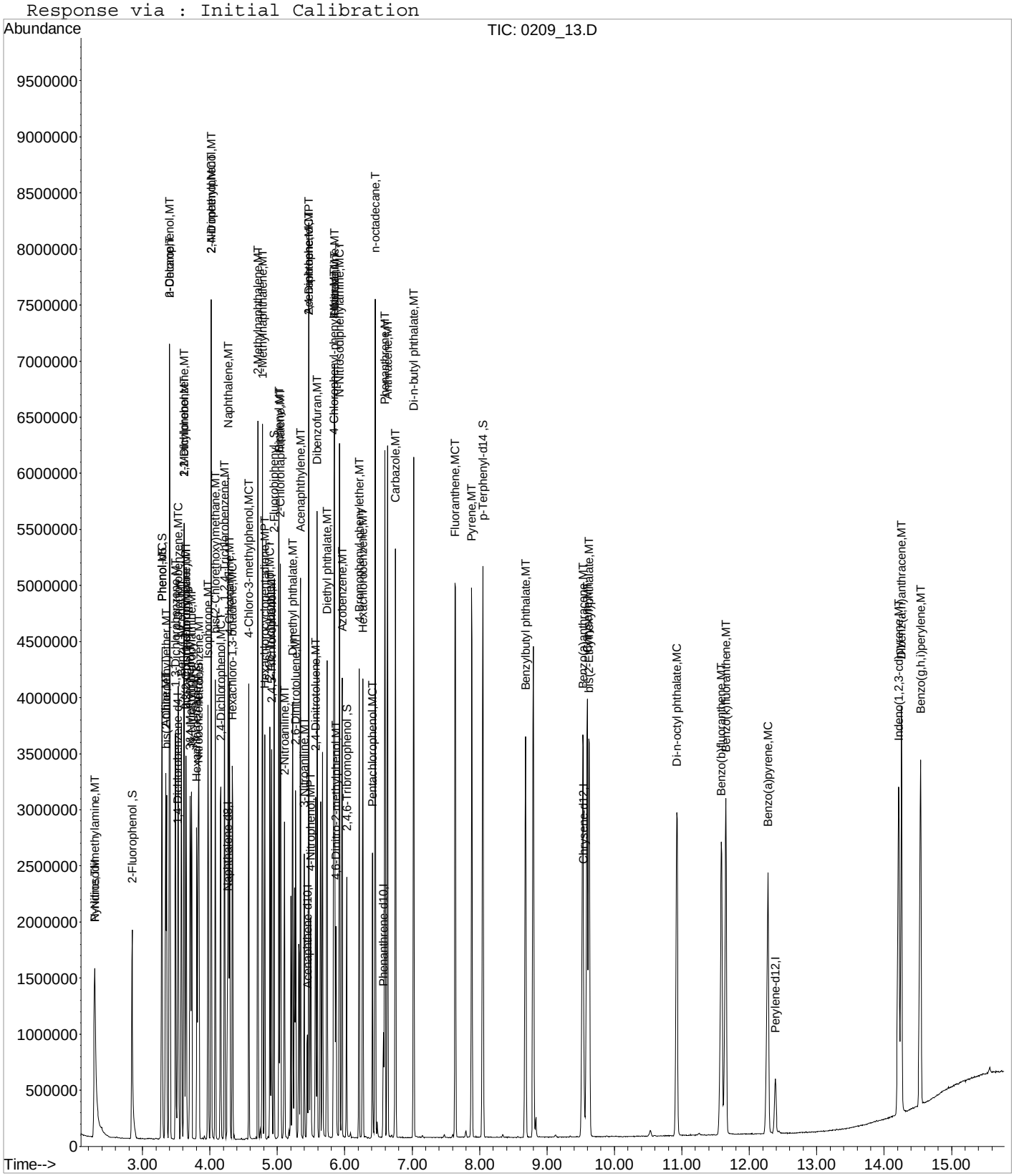
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	Biphenyl	5.03	154	1635800	47695.0348514	ppb		100
52)	2-Chloronaphthalene	5.05	162	1229770	46888.0832571	ppb		98
53)	2-Nitroaniline	5.11	138	428726	53629.0313312	ppb		98
54)	Acenaphthylene	5.35	152	2019937	49878.2058817	ppb		99
55)	Dimethyl phthalate	5.23	163	1363440	50652.8594150	ppb		93
56)	2,6-Dinitrotoluene	5.27	165	333483	53864.1240120	ppb		99
57)	3-Nitroaniline	5.40	138	367978	55415.3653662	ppb	#	84
58)	Acenaphthene	5.47	153	1291393	48280.6520842	ppb		97
59)	2,4-Dinitrophenol	5.47	184	193721	74186.7854642	ppb	#	30
60)	Dibenzofuran	5.59	168	1763845	47451.1885412	ppb		100
61)	2,4-Dinitrotoluene	5.57	165	444272	57870.2558482	ppb		95
63)	4-Nitrophenol	5.49	139	304788	55592.5457447	ppb		88
64)	Fluorene	5.85	166	1466642	48807.2477794	ppb		99
65)	4-Chlorophenyl-phenylether	5.84	204	682219	47746.6307713	ppb		90
66)	Diethyl phthalate	5.74	149	1359007	49088.2502660	ppb		99
67)	4-Nitroaniline	5.86	138	295753	46508.5221381	ppb		98
68)	Azobenzene	5.96	77	1359895	49264.7305857	ppb		99
71)	4,6-Dinitro-2-methylphenol	5.87	198	225615	67060.1415206	ppb		91
72)	N-Nitrosodiphenylamine	5.92	169	1246858	54771.8942299	ppb		98
74)	4-Bromophenyl-phenylether	6.21	248	403603	54605.9256471	ppb		91
75)	Hexachlorobenzene	6.27	284	439934	53323.4768919	ppb		99
76)	n-octadecane	6.45	55	229571	49422.1734343	ppb		98
77)	Pentachlorophenol	6.42	266	268709	62089.4694687	ppb		95
78)	Phenanthrene	6.59	178	1942260	48514.3249917	ppb		98
79)	Anthracene	6.64	178	2011440	49796.1324302	ppb		100
80)	Carbazole	6.75	167	1809779	49009.1104903	ppb		99
81)	Di-n-butyl phthalate	7.02	149	2377465	55951.5065493	ppb		99
83)	Fluoranthene	7.64	202	2263702	53951.1908184	ppb		100
86)	Pyrene	7.88	202	2343672	48458.5250985	ppb		99
88)	Benzylbutyl phthalate	8.68	149	1016118	51813.7045194	ppb		98
90)	Benzo(a)anthracene	9.53	228	2063460	47568.5271200	ppb		100
91)	Chrysene	9.60	228	1968627	46730.6970697	ppb		99
92)	bis(2-Ethylhexyl)phthalate	9.63	149	1407831	52163.0604523	ppb		99
93)	Di-n-octyl phthalate	10.93	149	2390033	53481.2603710	ppb		99
95)	Benzo(b)fluoranthene	11.59	252	2109399	50044.2348538	ppb		99
96)	Benzo(k)fluoranthene	11.65	252	2049426	49265.8283619	ppb		98
97)	Benzo(a)pyrene	12.28	252	1849955	50765.3229273	ppb		99
98)	Indeno(1,2,3-cd)pyrene	14.22	276	1733830m	48105.1614875	ppb		
99)	Dibenz(a,h)anthracene	14.26	278	1829680m	47566.6475034	ppb		
100)	Benzo(g,h,i)perylene	14.54	276	1711126	45290.2795709	ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:18 2022 Quant Results File: S804B09V.RES

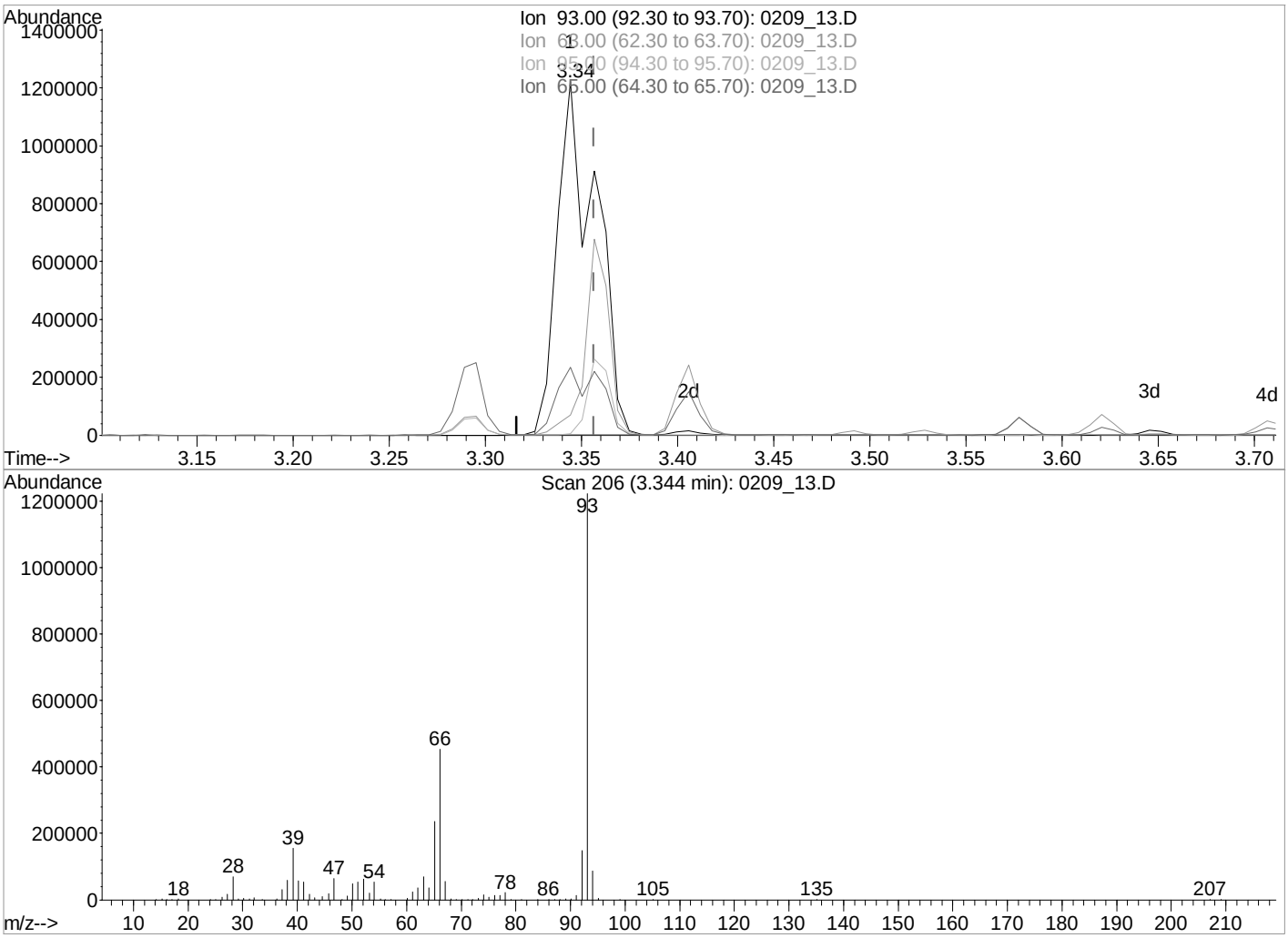
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:14:29 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 12:57 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:14:29 2022
Response via : Multiple Level Calibration



TIC: 0209_13.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.012) 62045.3548033 ppb

Qvalue = 37

response 1687533

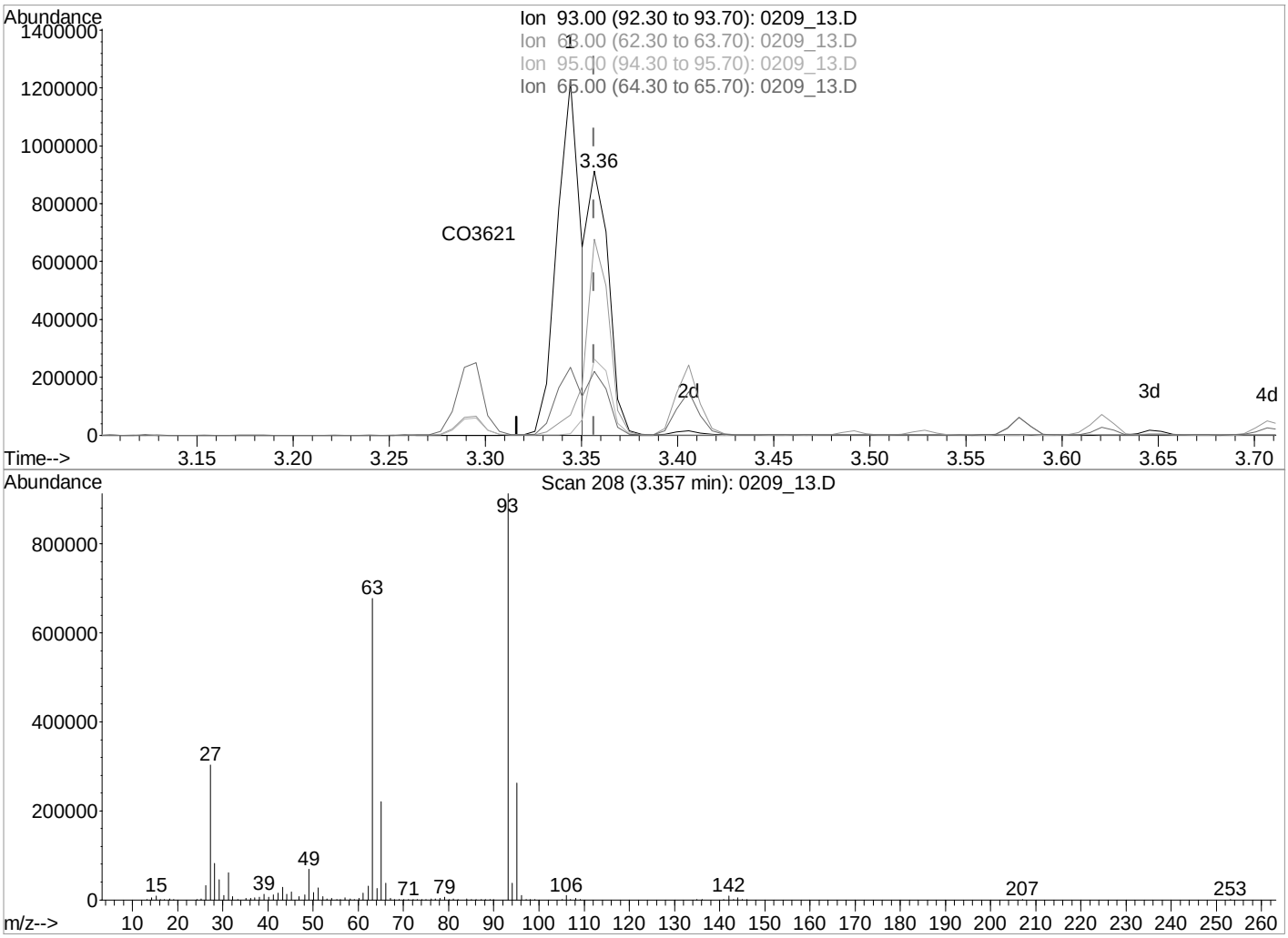
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.65#
95.00	30.20	0.34#
65.00	24.00	19.20

0209_13.D S804B09V.M Mon Feb 14 16:16:25 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:16 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:14:29 2022
Response via : Multiple Level Calibration



TIC: 0209_13.D

(6) bis(2-Chloroethyl)ether (MT)

3.36min (+0.000) 23889.2924070 ppb m

response 649750

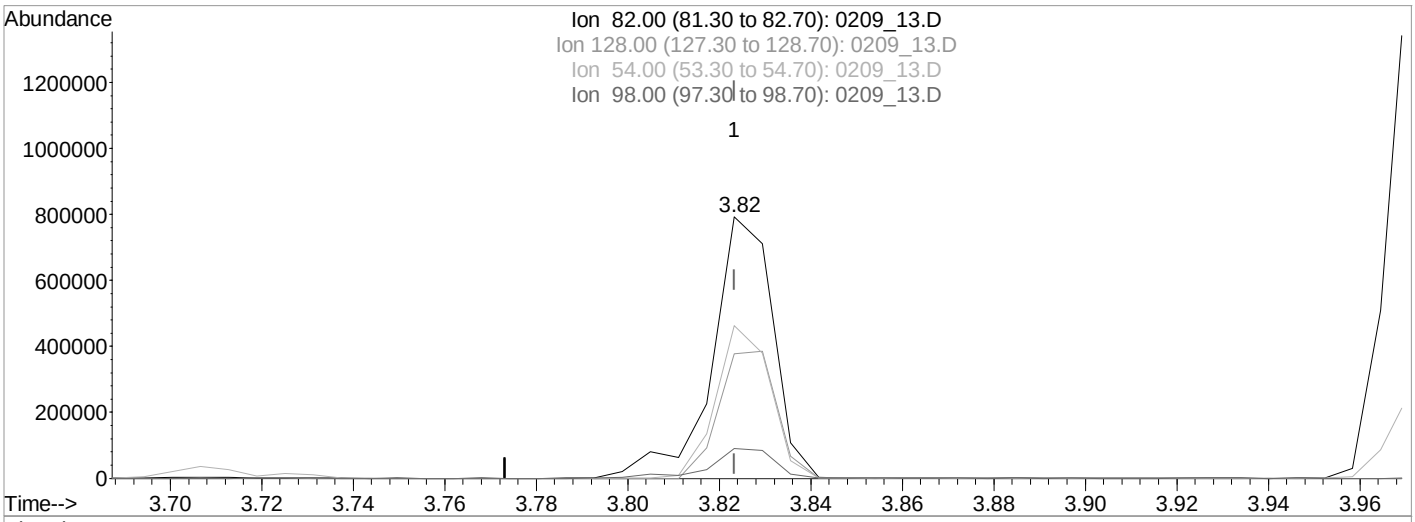
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	74.11
95.00	30.20	28.75
65.00	24.00	24.19

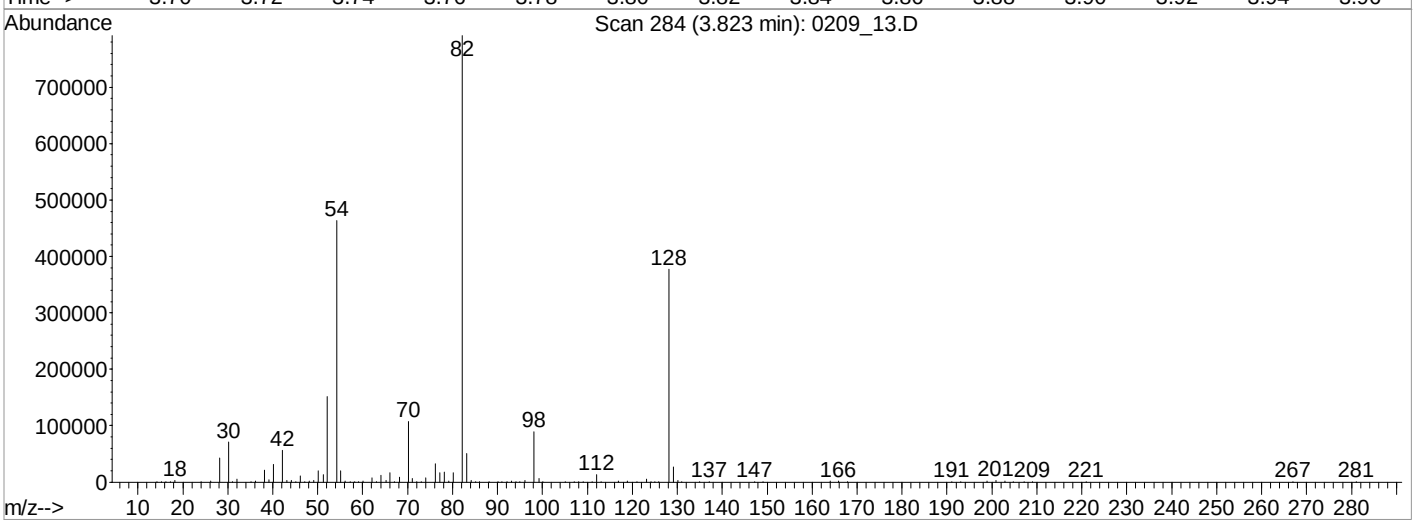
0209_13.D S804B09V.M Mon Feb 14 16:16:36 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:16 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:14:29 2022
Response via : Multiple Level Calibration





TIC: 0209_13.D

(24) Nitrobenzene-d5 (S)

3.82min (+0.000) 50604.5375924 ppb m

response 738701

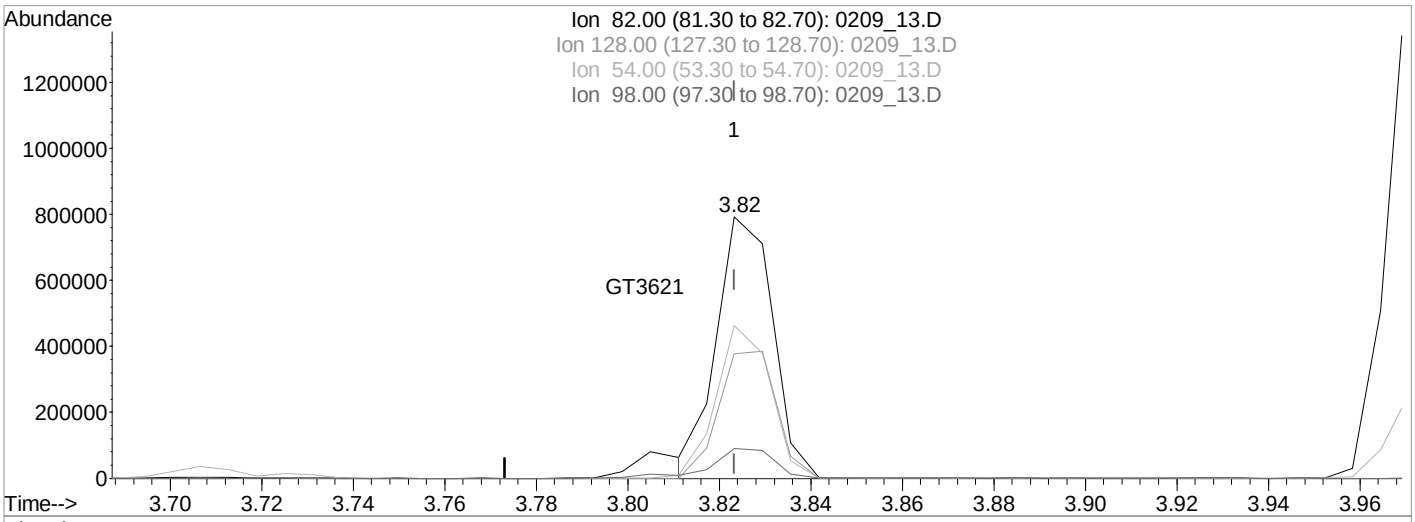
Ion	Exp%	Act%
82.00	100	100
128.00	49.30	47.68
54.00	56.90	58.54
98.00	11.80	11.31

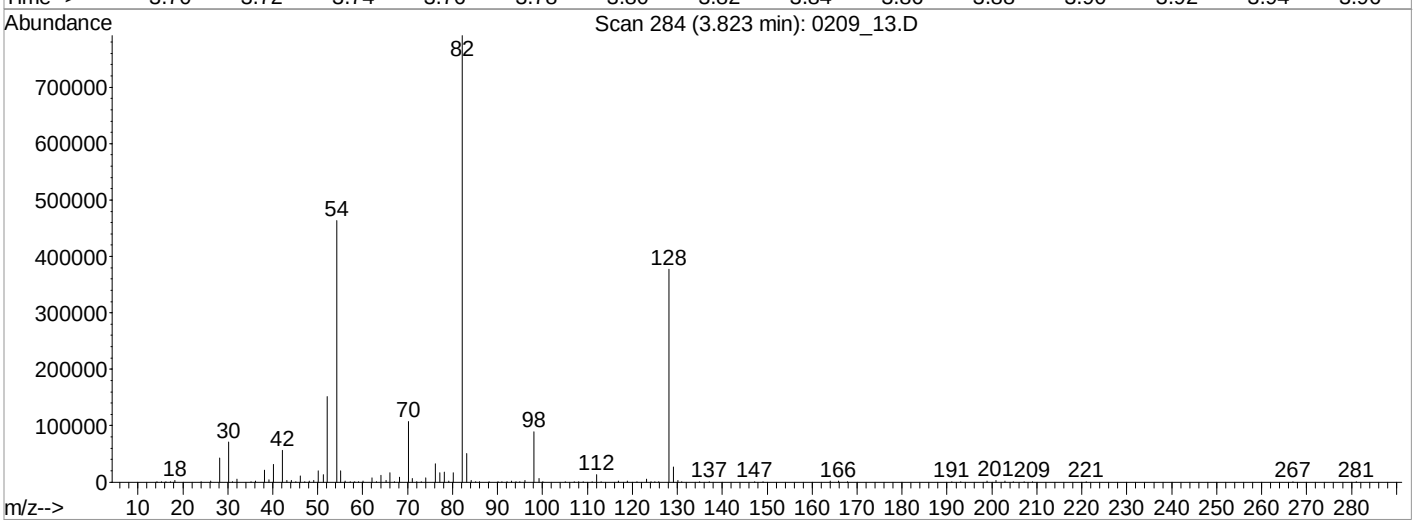
0209_13.D S804B09V.M Mon Feb 14 16:16:58 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:17 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:14:29 2022
Response via : Multiple Level Calibration





TIC: 0209_13.D

(24) Nitrobenzene-d5 (S)

3.82min (+0.000) 46463.7671389 ppb m

response 678256

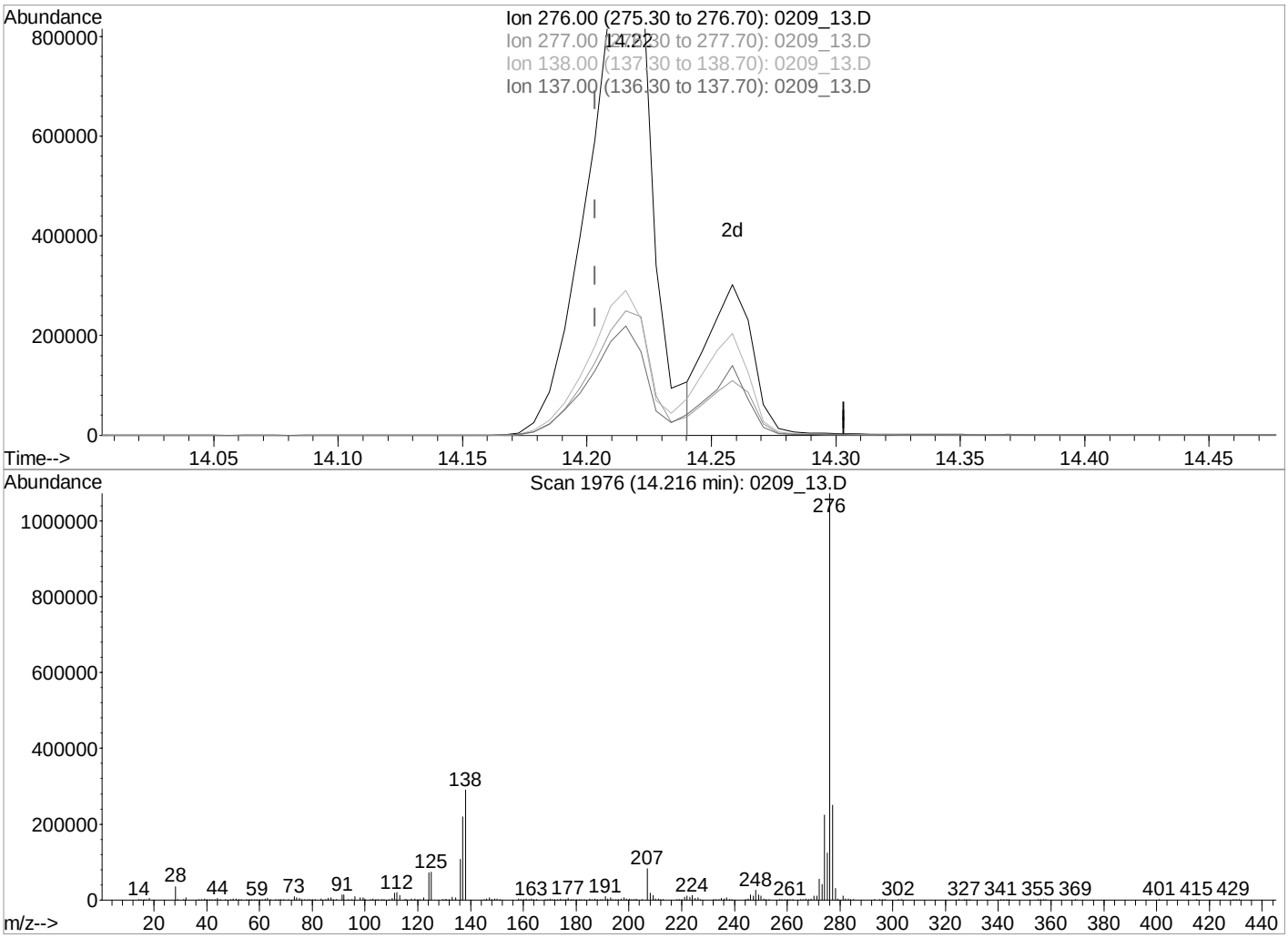
Ion	Exp%	Act%
82.00	100	100
128.00	49.30	47.68
54.00	56.90	58.54
98.00	11.80	11.31

0209_13.D S804B09V.M Mon Feb 14 16:17:09 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:17 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:14:29 2022
Response via : Multiple Level Calibration



TIC: 0209_13.D

(98) Indeno(1,2,3-cd)pyrene (MT)

14.22min (+0.012) 49190.5747186 ppb m

response 1772951

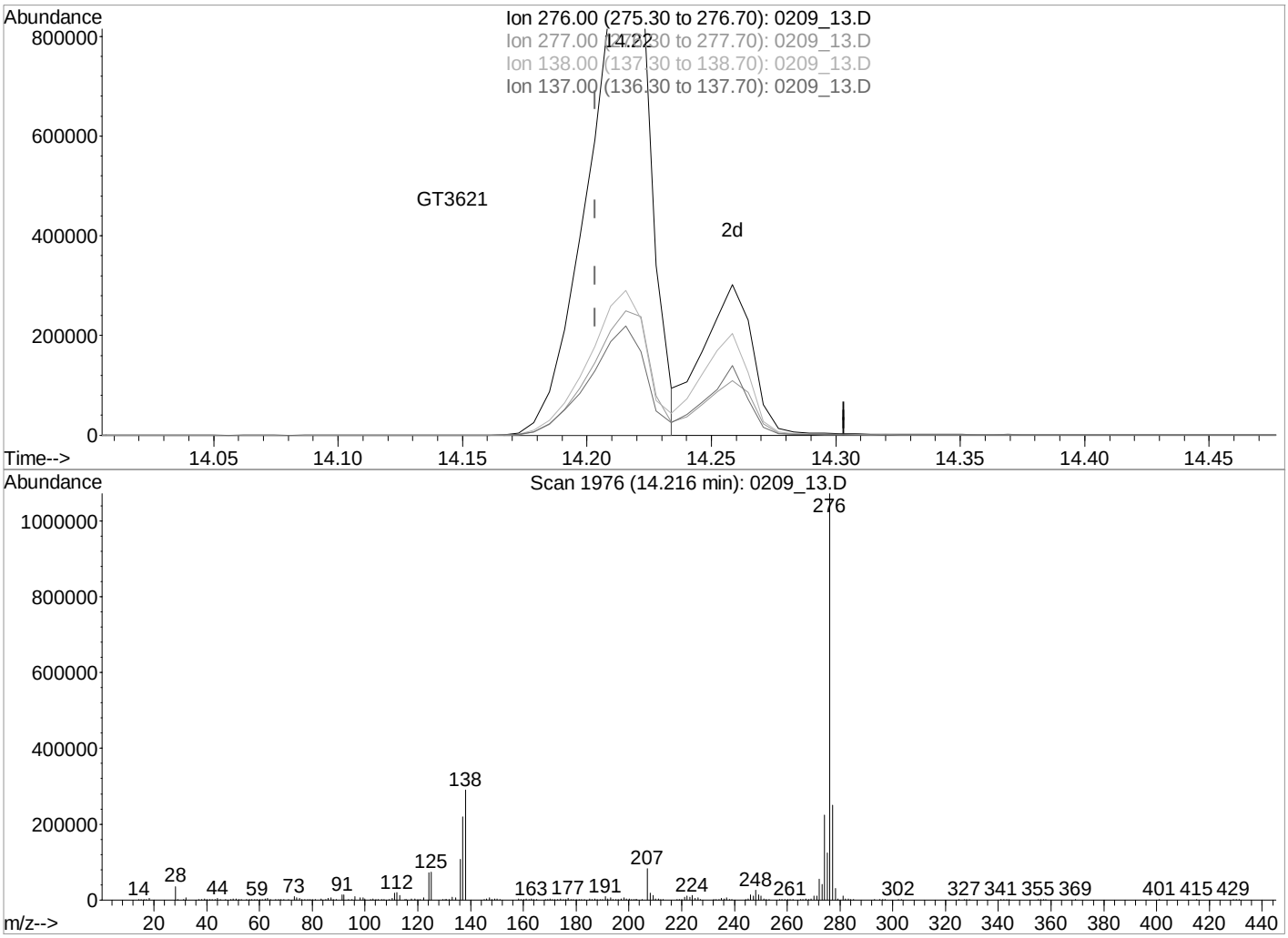
Ion	Exp%	Act%
276.00	100	100
277.00	24.10	23.27
138.00	25.30	27.03
137.00	18.00	20.45

0209_13.D S804B09V.M Mon Feb 14 16:17:30 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:17 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:14:29 2022
Response via : Multiple Level Calibration



TIC: 0209_13.D

(98) Indeno(1,2,3-cd)pyrene (MT)

14.22min (+0.012) 48105.1614875 ppb m

response 1733830

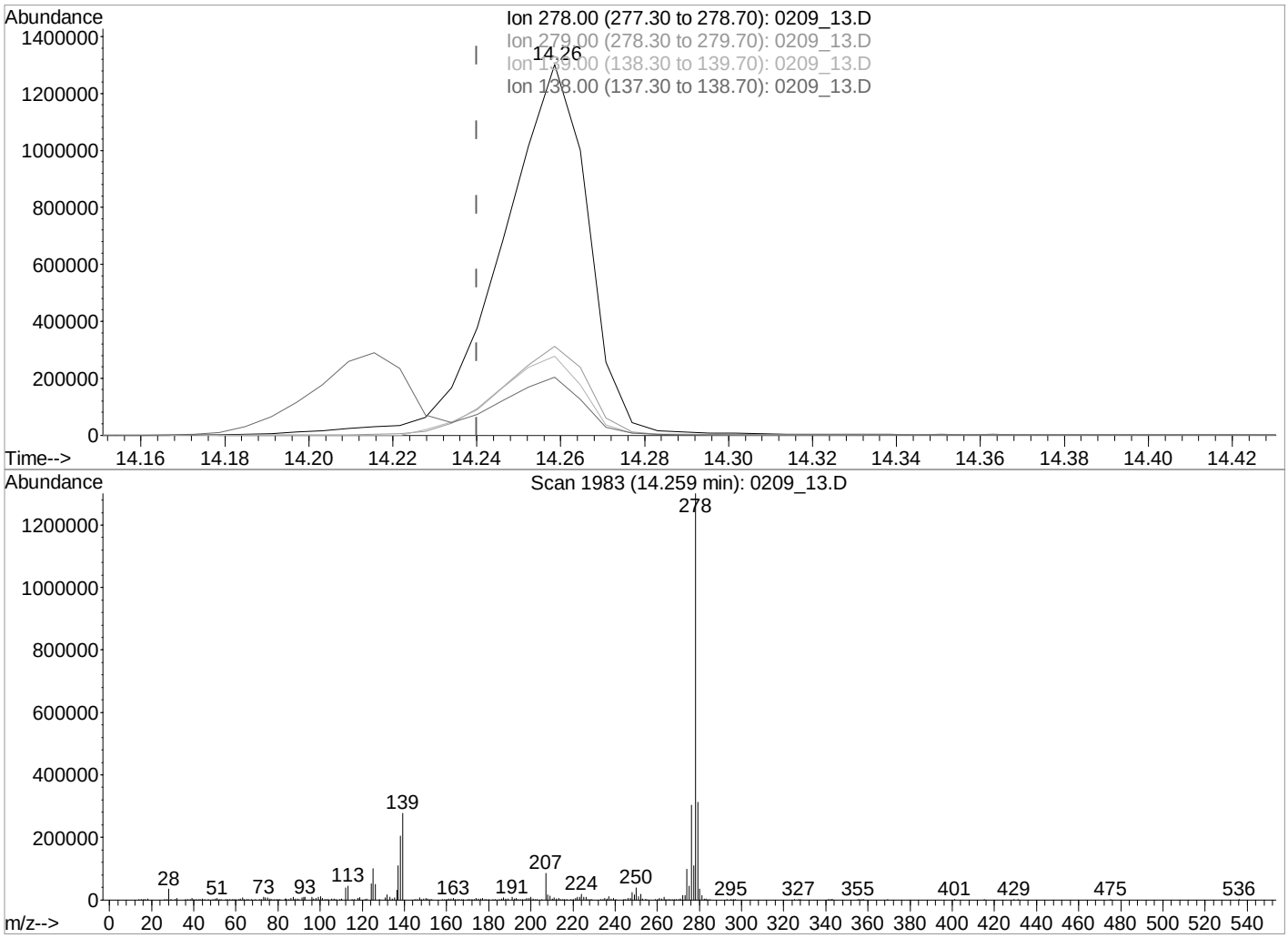
Ion	Exp%	Act%
276.00	100	100
277.00	24.10	23.27
138.00	25.30	27.03
137.00	18.00	20.45

0209_13.D S804B09V.M Mon Feb 14 16:17:41 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:18 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:14:29 2022
Response via : Multiple Level Calibration



TIC: 0209_13.D

(99) Dibenz(a,h)anthracene (MT)

14.26min (+0.019) 48815.3733897 ppb m

response 1877713

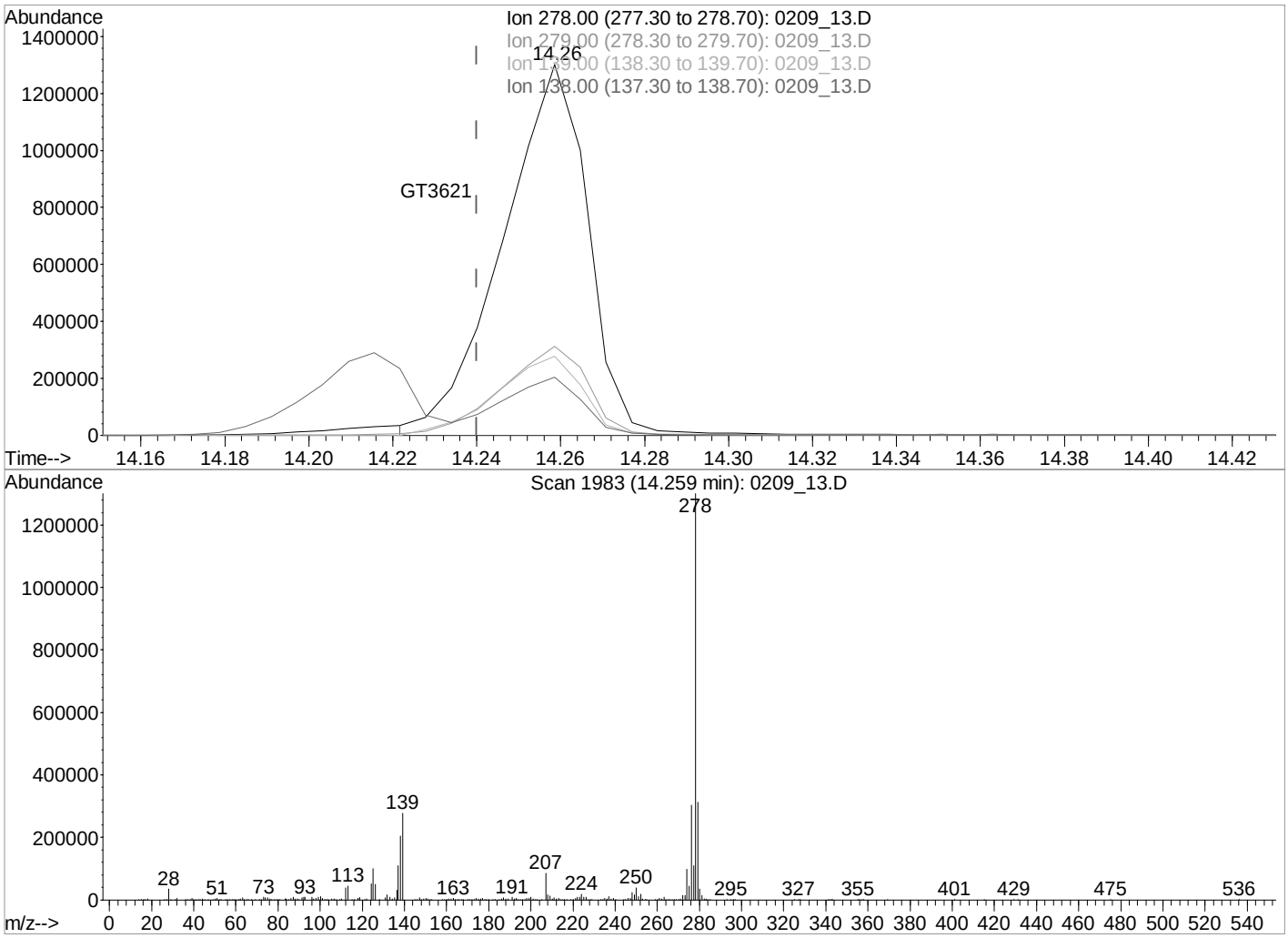
Ion	Exp%	Act%
278.00	100	100
279.00	24.40	24.02
139.00	22.10	21.24
138.00	16.70	15.70

0209_13.D S804B09V.M Mon Feb 14 16:18:21 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 13.D Vial: 10
Acq On : 9 Feb 2022 1:09 pm Operator: 917
Sample : STD SVMS 50K PPB 22B06090 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:18 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:14:29 2022
Response via : Multiple Level Calibration



TIC: 0209_13.D

(99) Dibenz(a,h)anthracene (MT)

14.26min (+0.019) 47566.6475034 ppb m

response 1829680

Ion	Exp%	Act%
278.00	100	100
279.00	24.40	24.02
139.00	22.10	21.24
138.00	16.70	15.70

0209_13.D S804B09V.M Mon Feb 14 16:18:35 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 15.D Vial: 12
Acq On : 9 Feb 2022 1:51 pm Operator: 917
Sample : STD TCL 4K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:24 2022 Quant Results File: S804B09V.RES

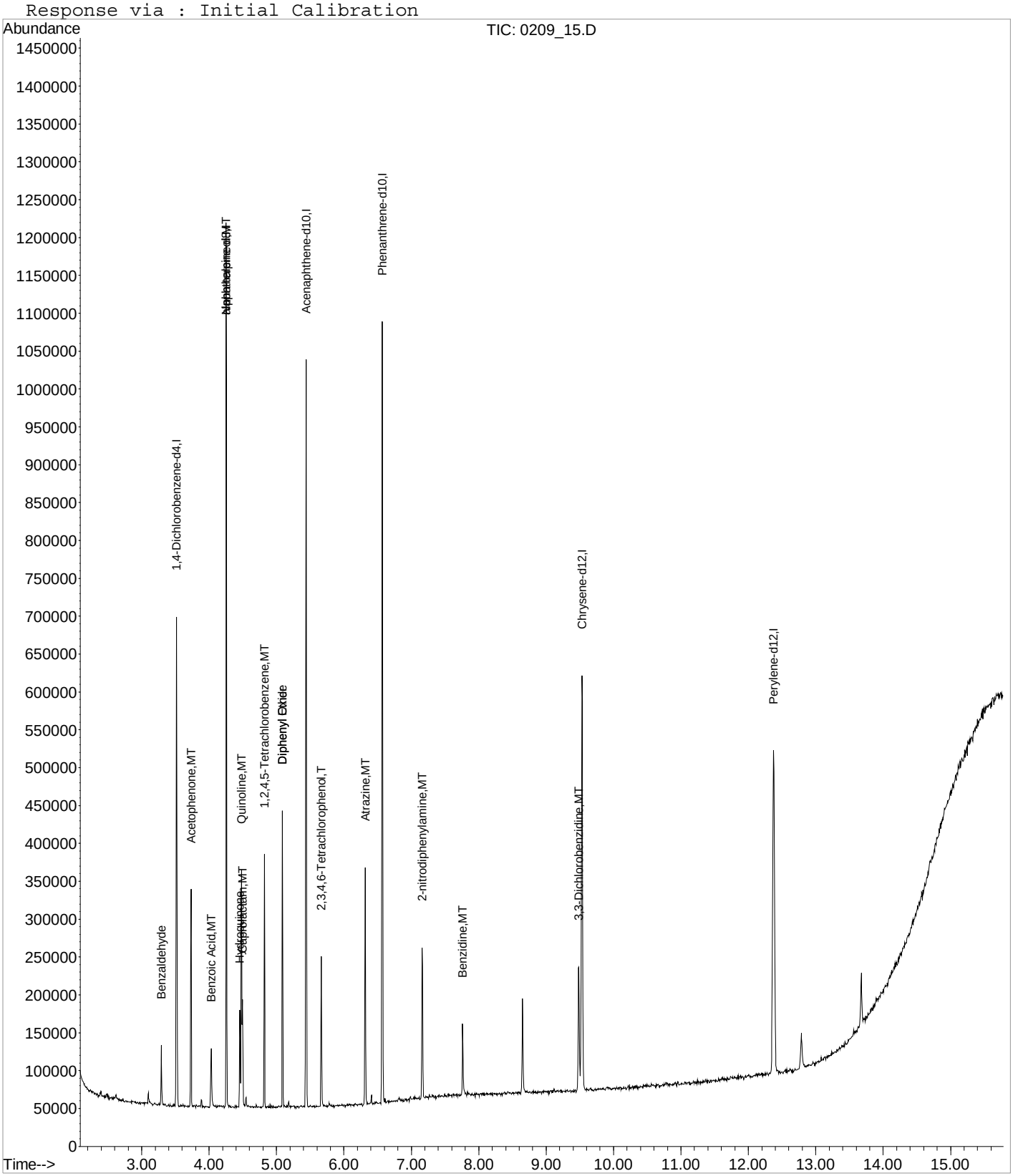
Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:23:05 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	81654	8000.00	ppb	0.00
23) Naphthalene-d8	4.26	136	334983	8000.00	ppb	0.00
46) Acenaphthene-d10	5.44	164	163201	8000.00	ppb	0.00
70) Phenanthrene-d10	6.57	188	305950	8000.00	ppb	0.00
84) Chrysene-d12	9.53	240	267428	8000.00	ppb	0.00
94) Perylene-d12	12.37	264	282139	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
7) Phenol-d5	0.00	99	0d	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.00	82	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.00	172	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.00	244	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.29	105	14487	3988.9621728	ppb	93
22) Acetophenone	3.73	105	65150	3858.1826323	ppb	99
31) Benzoic Acid	4.03	105	18644	3581.9887151	ppb	99
33) alpha-terpineol	4.25	59	44003	4561.5078513	ppb	98
37) Hydroquinone	4.46	110	31357	3954.3453573	ppb	98
38) Quinoline	4.48	129	94131	4566.3745617	ppb	98
39) Caprolactam	4.49	113	8784	3805.5673121	ppb	95
43) 1,2,4,5-Tetrachlorobenzene	4.82	216	42391	4650.8872010	ppb	100
44) Diphenyl Ether	5.09	170	60249	4582.2445482	ug/ml	97
45) Diphenyl Oxide	5.09	170	60249	4582.2445482	ug/ml	97
62) 2,3,4,6-Tetrachlorophenol	5.67	232	18117	3892.8021929	ppb	95
69) Atrazine	6.32	200	26177	3922.3101062	ppb	95
82) 2-nitrodiphenylamine	7.16	167	24613	3523.7990565	ppb #	100
85) Benzidine	7.76	184	40054	2829.4094773	ppb	99
89) 3,3-Dichlorobenzidine	9.49	252	52096	3783.8744076	ppb	98

(#) = qualifier out of range (m) = manual integration
0209_15.D S804B09V.M Fri Feb 18 15:25:33 2022 Page 1

Data File : C:\MSDCHEM\1\DATA\020922\0209 15.D Vial: 12
Acq On : 9 Feb 2022 1:51 pm Operator: 917
Sample : STD TCL 4K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:24 2022 Quant Results File: S804B09V.RES

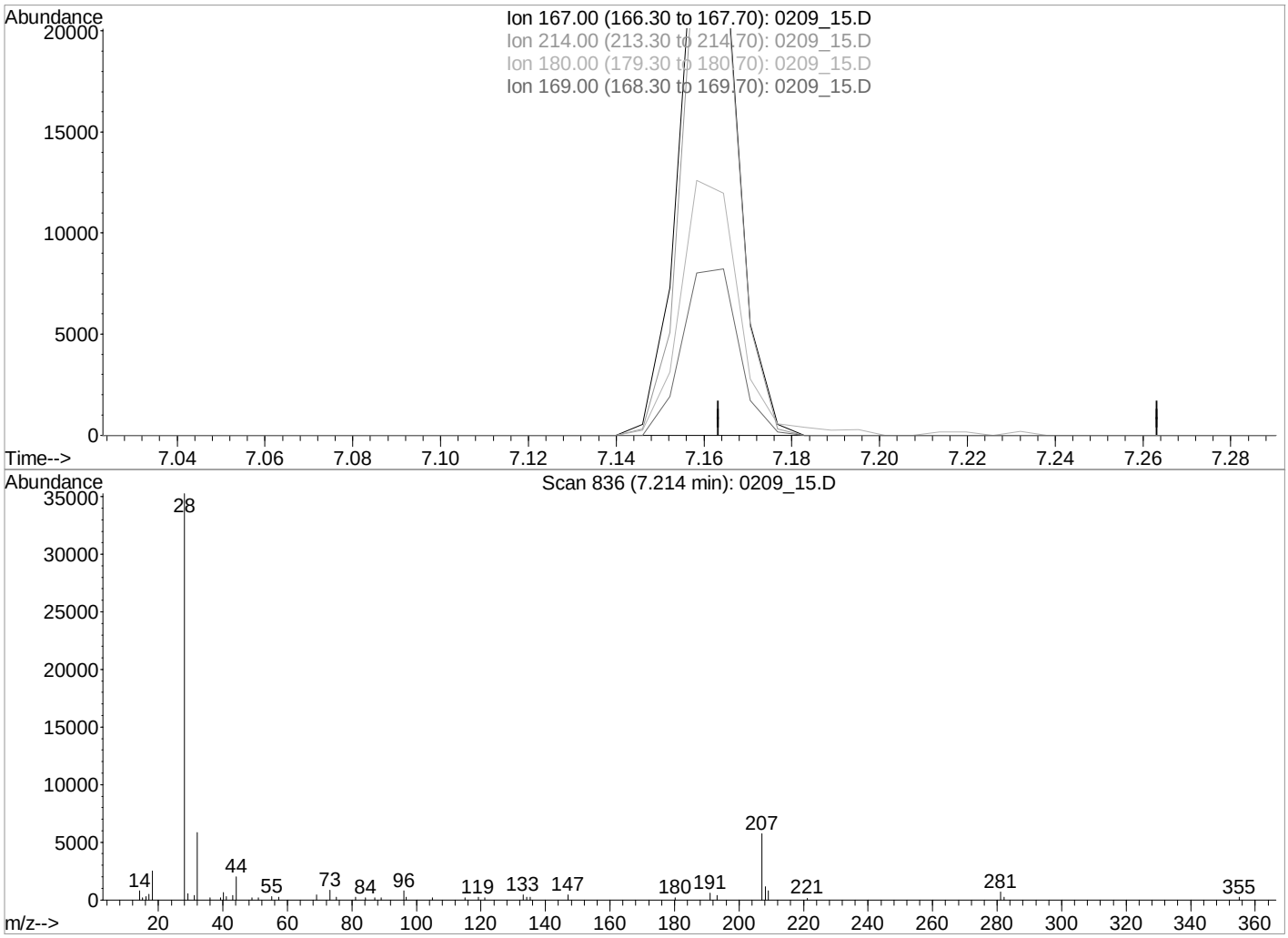
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:23:05 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 15.D Vial: 12
Acq On : 9 Feb 2022 1:51 pm Operator: 917
Sample : STD TCL 4K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 13:57 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:26:53 2022
Response via : Single Level Calibration



TIC: 0209_15.D

(82) 2-nitrodiphenylamine (MT)

7.21min (-7.213) 0.0000000 ppb

Qvalue = 0

response 0

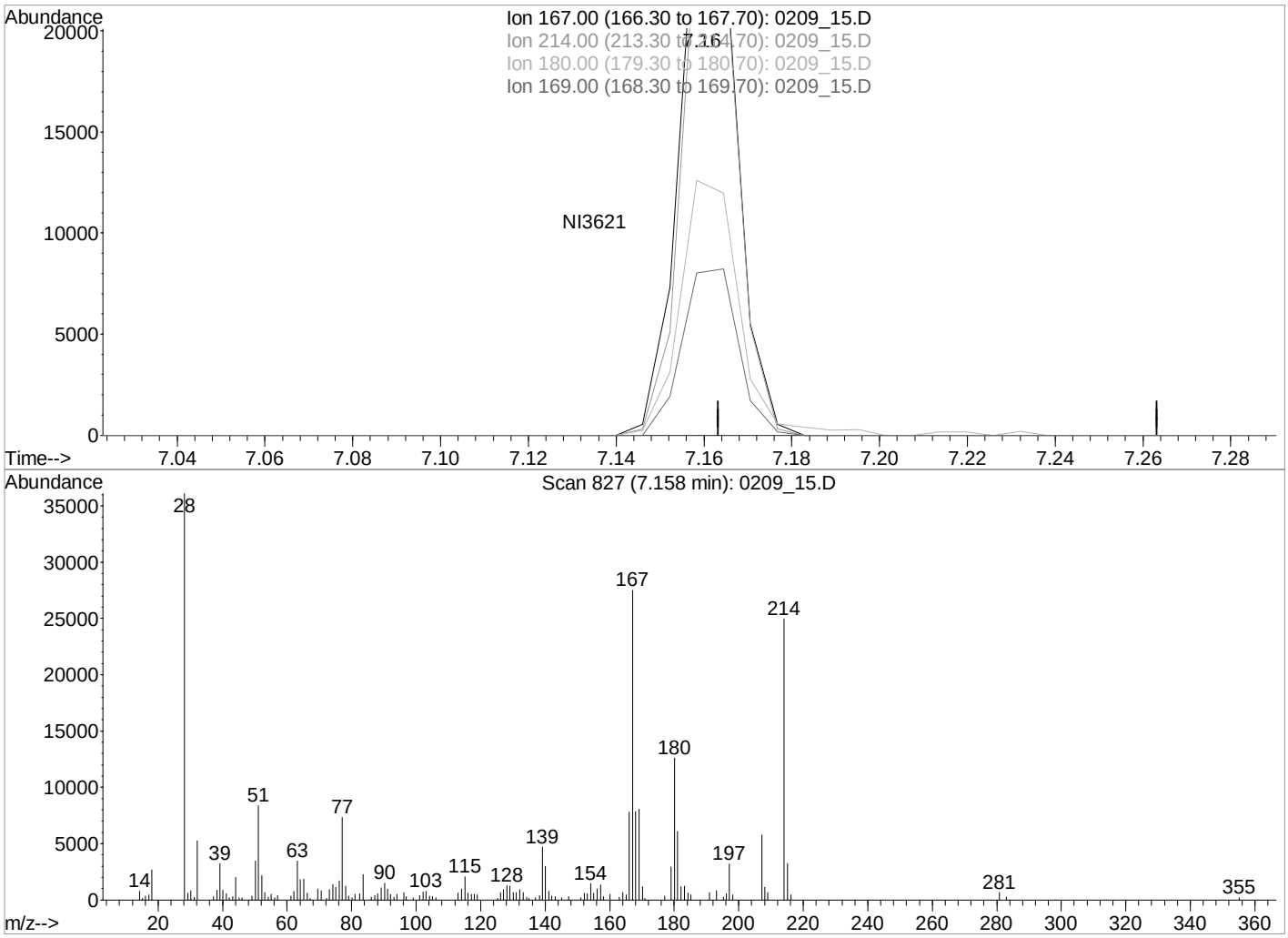
Ion	Exp%	Act%
167.00	100	0.00
214.00	0.00	0.00
180.00	0.00	0.00
169.00	0.00	0.00

0209_15.D S804B09V.M Mon Feb 14 16:28:47 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 15.D Vial: 12
Acq On : 9 Feb 2022 1:51 pm Operator: 917
Sample : STD TCL 4K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:28 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:26:53 2022
Response via : Single Level Calibration



TIC: 0209_15.D

(82) 2-nitrodiphenylamine (MT)

7.16min (-0.055) 0.0000000 ppb m

response 24613

Ion	Exp%	Act%
167.00	100	100
214.00	0.00	0.00
180.00	0.00	0.00
169.00	0.00	0.00

0209_15.D S804B09V.M Mon Feb 14 16:29:01 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 16.D Vial: 13
Acq On : 9 Feb 2022 2:11 pm Operator: 917
Sample : MSTD TCL 10K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:12 2022 Quant Results File: S804B09V.RES

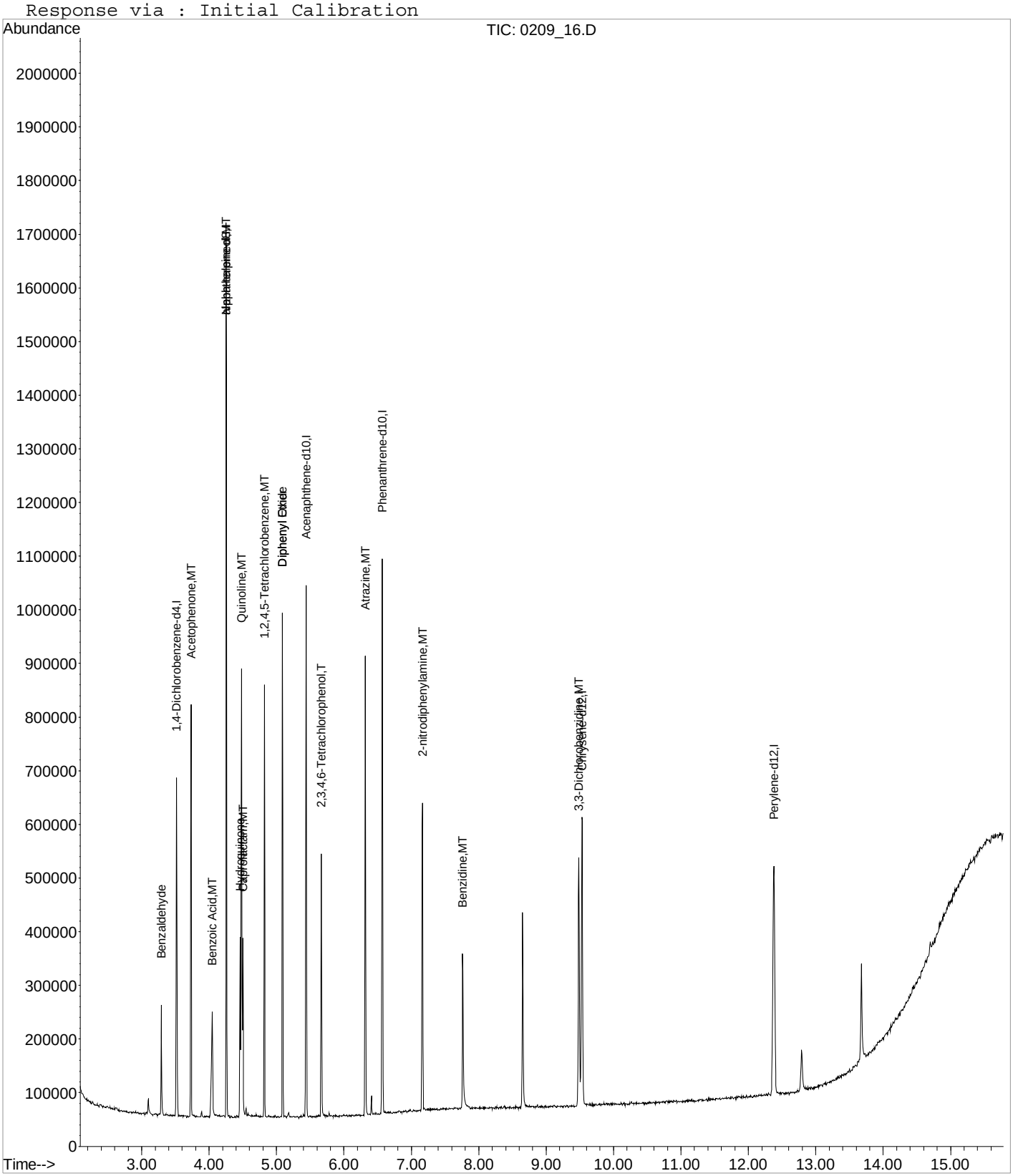
Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:11:22 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	80802	8000.00	ppb	0.00
23) Naphthalene-d8	4.26	136	355632	8000.00	ppb	0.00
46) Acenaphthene-d10	5.44	164	160695	8000.00	ppb	0.00
70) Phenanthrene-d10	6.57	188	305525	8000.00	ppb	0.00
84) Chrysene-d12	9.53	240	266241	8000.00	ppb	0.00
94) Perylene-d12	12.38	264	277583	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
7) Phenol-d5	0.00	99	0d	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.00	82	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.00	172	0d	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.00	244	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.29	105	34568	9618.5822945	ppb	100
22) Acetophenone	3.73	105	164650	9853.3849640	ppb	100
31) Benzoic Acid	4.04	105	61639	11154.8218541	ppb	100
33) alpha-terpineol	4.25	59	113780	11109.9986247	ppb	100
37) Hydroquinone	4.46	110	74981	8906.6267747	ppb	100
38) Quinoline	4.48	129	235712	10770.6642496	ppb	100
39) Caprolactam	4.50	113	23969	9781.3529859	ppb	100
43) 1,2,4,5-Tetrachlorobenzene	4.82	216	105301	10882.1968071	ppb	100
44) Diphenyl Ether	5.09	170	155858	11165.5328771	ug/ml	100
45) Diphenyl Oxide	5.09	170	155858	11165.5328771	ug/ml	100
62) 2,3,4,6-Tetrachlorophenol	5.67	232	45074	9836.0924902	ppb	100
69) Atrazine	6.32	200	67082	10208.1844301	ppb	100
82) 2-nitrodiphenylamine	7.16	167	72572	10161.7203217	ppb #	100
85) Benzidine	7.76	184	134678	9556.0521113	ppb	100
89) 3,3-Dichlorobenzidine	9.49	252	138838	10164.4628275	ppb	100

(#) = qualifier out of range (m) = manual integration

Data File : C:\MSDCHEM\1\DATA\020922\0209 16.D Vial: 13
Acq On : 9 Feb 2022 2:11 pm Operator: 917
Sample : MSTD TCL 10K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:12 2022 Quant Results File: S804B09V.RES

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:11:22 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050422B\0504B 04.D Vial: 4
Acq On : 4 May 2022 8:30 pm Operator: 3545
Sample : ICV TCL 10K1 PPB 22D19628 exp 09/10/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 5 16:01 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

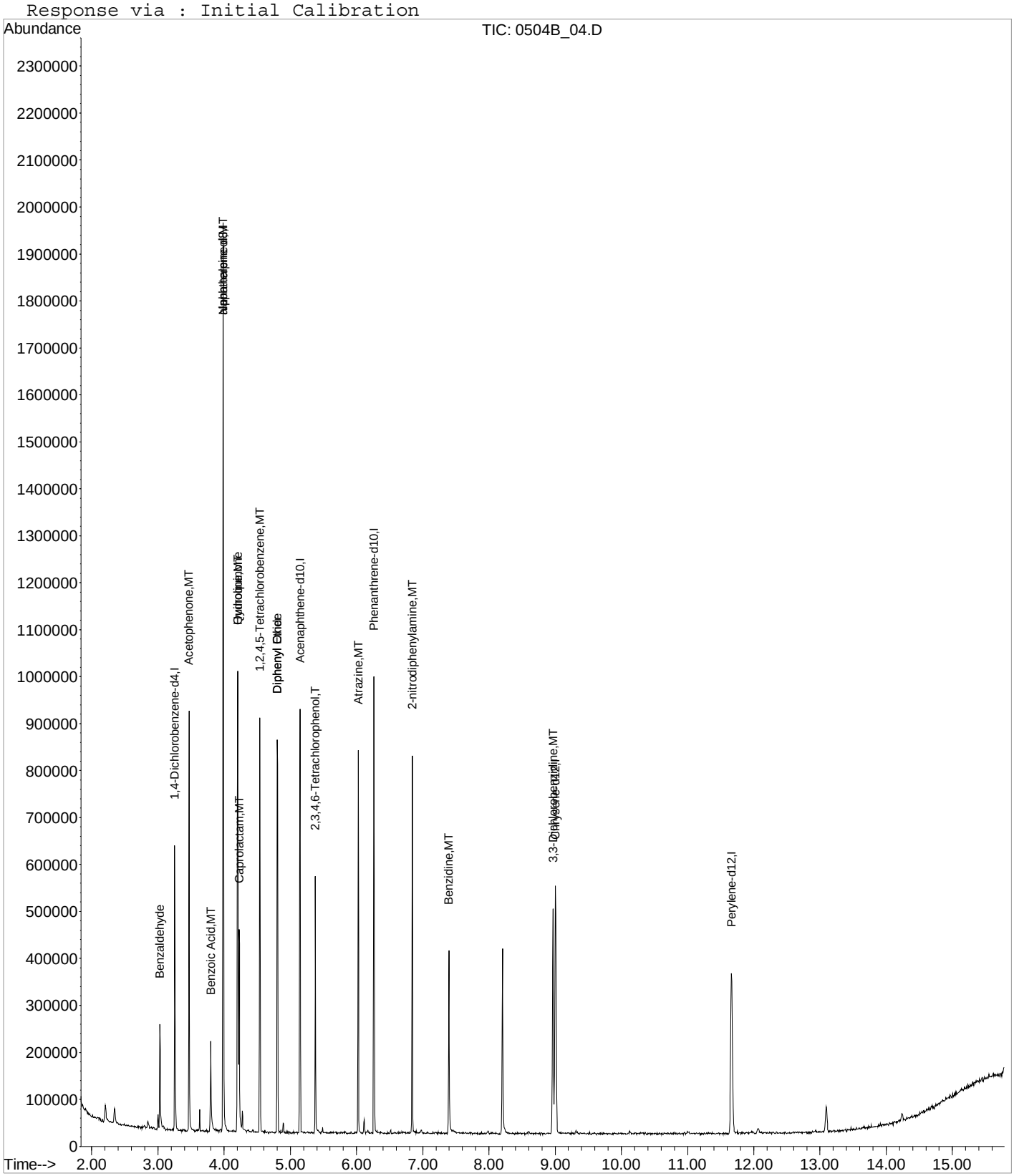
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	73015	8000.00	ppb	0.00
23) Naphthalene-d8	3.98	136	326671	8000.00	ppb	0.00
46) Acenaphthene-d10	5.15	164	140220	8000.00	ppb	0.00
70) Phenanthrene-d10	6.26	188	265524	8000.00	ppb	0.00
84) Chrysene-d12	9.00	240	228051	8000.00	ppb	0.00
94) Perylene-d12	11.66	264	216467	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
7) Phenol-d5	0.00	99	0d	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.00	82	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.00	172	0d	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.00	244	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.03	105	37553	11563.5576519	ppb #	88
22) Acetophenone	3.47	105	174657	11566.9732918	ppb	96
31) Benzoic Acid	3.80	105	51228	9584.7085299	ppb	94
33) alpha-terpineol	3.98	59	120439	11752.9375562	ppb	96
37) Hydroquinone	4.21	110	72844m	10246.0904601	ppb	
38) Quinoline	4.21	129	226702	10414.3753050	ppb	100
39) Caprolactam	4.23	113	30661	13621.5202940	ppb #	81
43) 1,2,4,5-Tetrachlorobenzene	4.54	216	102104	11677.3256633	ppb	99
44) Diphenyl Ether	4.81	170	138570	9934.7053971	ug/ml#	87
45) Diphenyl Oxide	4.81	170	138570	9934.7053971	ug/ml#	87
62) 2,3,4,6-Tetrachlorophenol	5.38	232	46425	11610.2298348	ppb	99
69) Atrazine	6.02	200	60218	10501.7393261	ppb	98
82) 2-nitrodiphenylamine	6.84	167	76767	11463.4210047	ppb #	100
85) Benzidine	7.39	184	138285	10272.0957612	ppb	99
89) 3,3-Dichlorobenzidine	8.97	252	124301	10587.2179159	ppb	99

(#) = qualifier out of range (m) = manual integration
0504B_04.D S804E04BV.M Thu May 05 16:01:48 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050422B\0504B 04.D Vial: 4
Acq On : 4 May 2022 8:30 pm Operator: 3545
Sample : ICV TCL 10K1 PPB 22D19628 exp 09/10/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 5 16:01 2022 Quant Results File: S804E04BV.RES

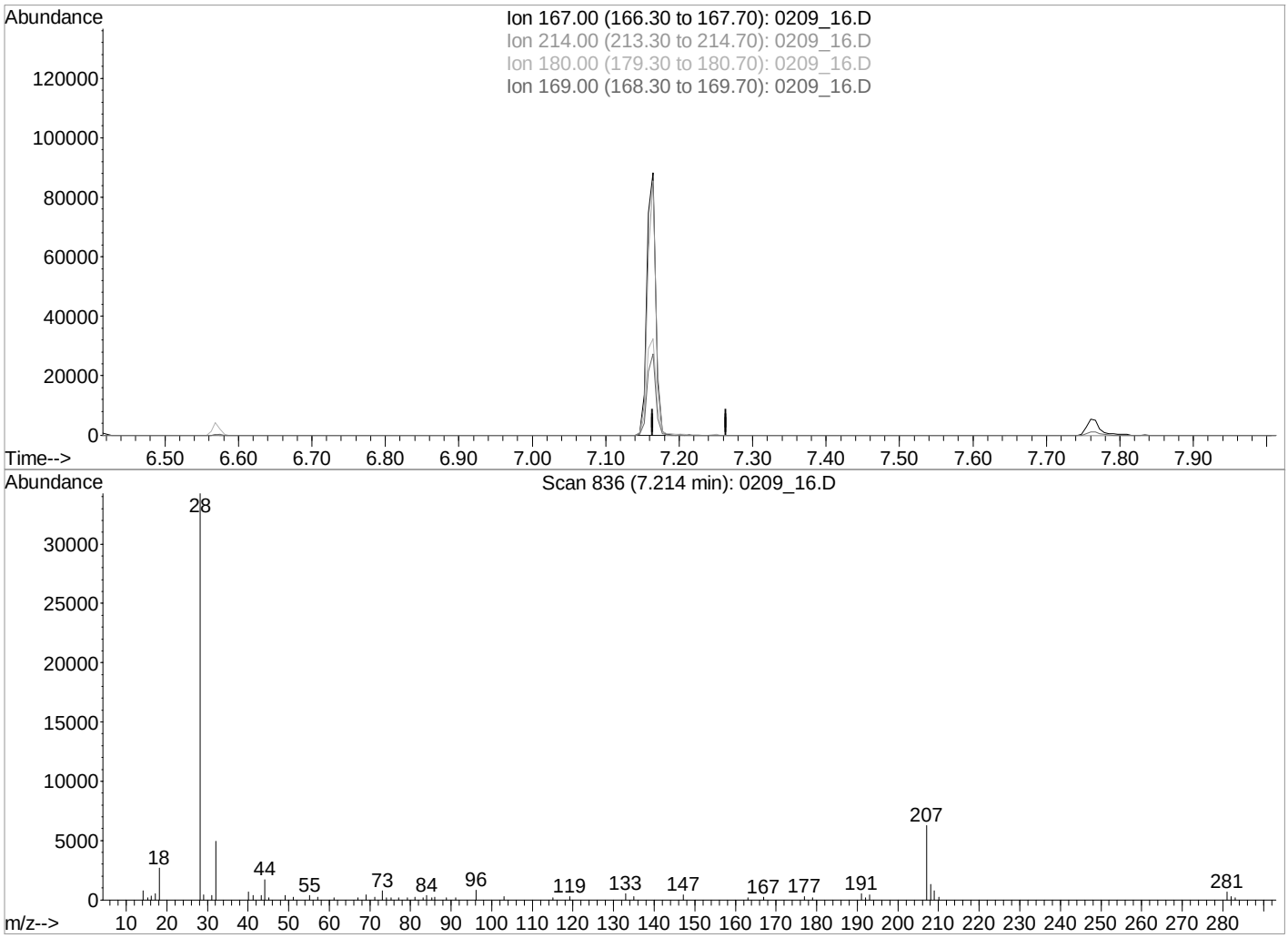
Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 16.D Vial: 13
Acq On : 9 Feb 2022 2:11 pm Operator: 917
Sample : MSTD TCL 10K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 11:56 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:30:22 2022
Response via : Single Level Calibration



TIC: 0209_16.D

(82) 2-nitrodiphenylamine (MT)

7.21min (-7.213) 0.0000000 ppb

Qvalue = 0

response 0

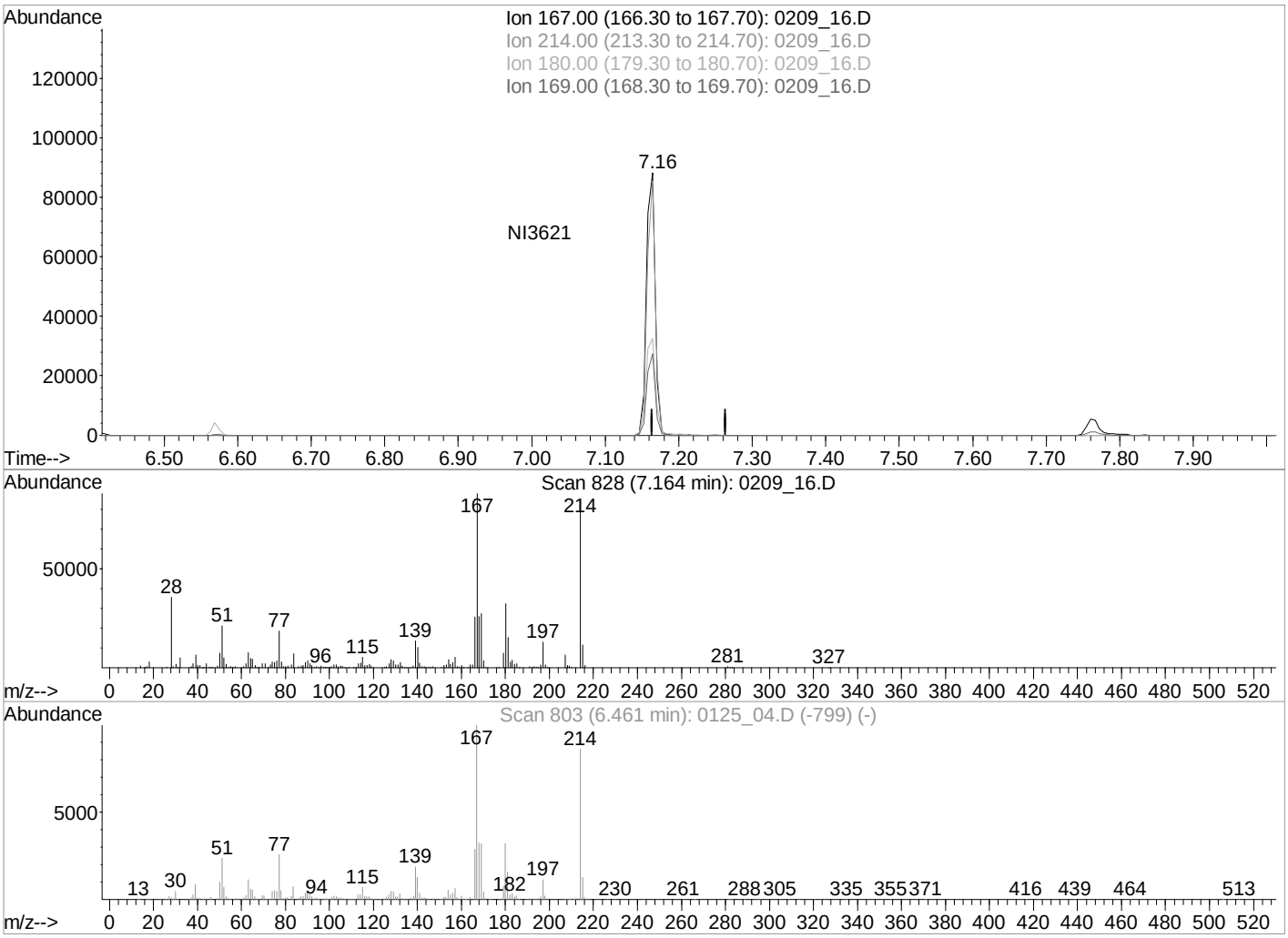
Ion	Exp%	Act%
167.00	100	0.00
214.00	0.00	0.00
180.00	0.00	0.00
169.00	0.00	0.00

0209_16.D S804B09V.M Mon Feb 14 16:33:10 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 16.D Vial: 13
Acq On : 9 Feb 2022 2:11 pm Operator: 917
Sample : MSTD TCL 10K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 11:56 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:30:22 2022
Response via : Single Level Calibration



TIC: 0209_16.D

(82) 2-nitrodiphenylamine (MT)

7.21min (-7.213) 0.0000000 ppb

Qvalue = 0

response 0

Ion	Exp%	Act%
167.00	100	0.00
214.00	0.00	0.00
180.00	0.00	0.00
169.00	0.00	0.00

0209_16.D S804B09V.M Mon Feb 14 16:33:40 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 17.D Vial: 14
Acq On : 9 Feb 2022 2:32 pm Operator: 917
Sample : STD TCL 20K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:27 2022 Quant Results File: S804B09V.RES

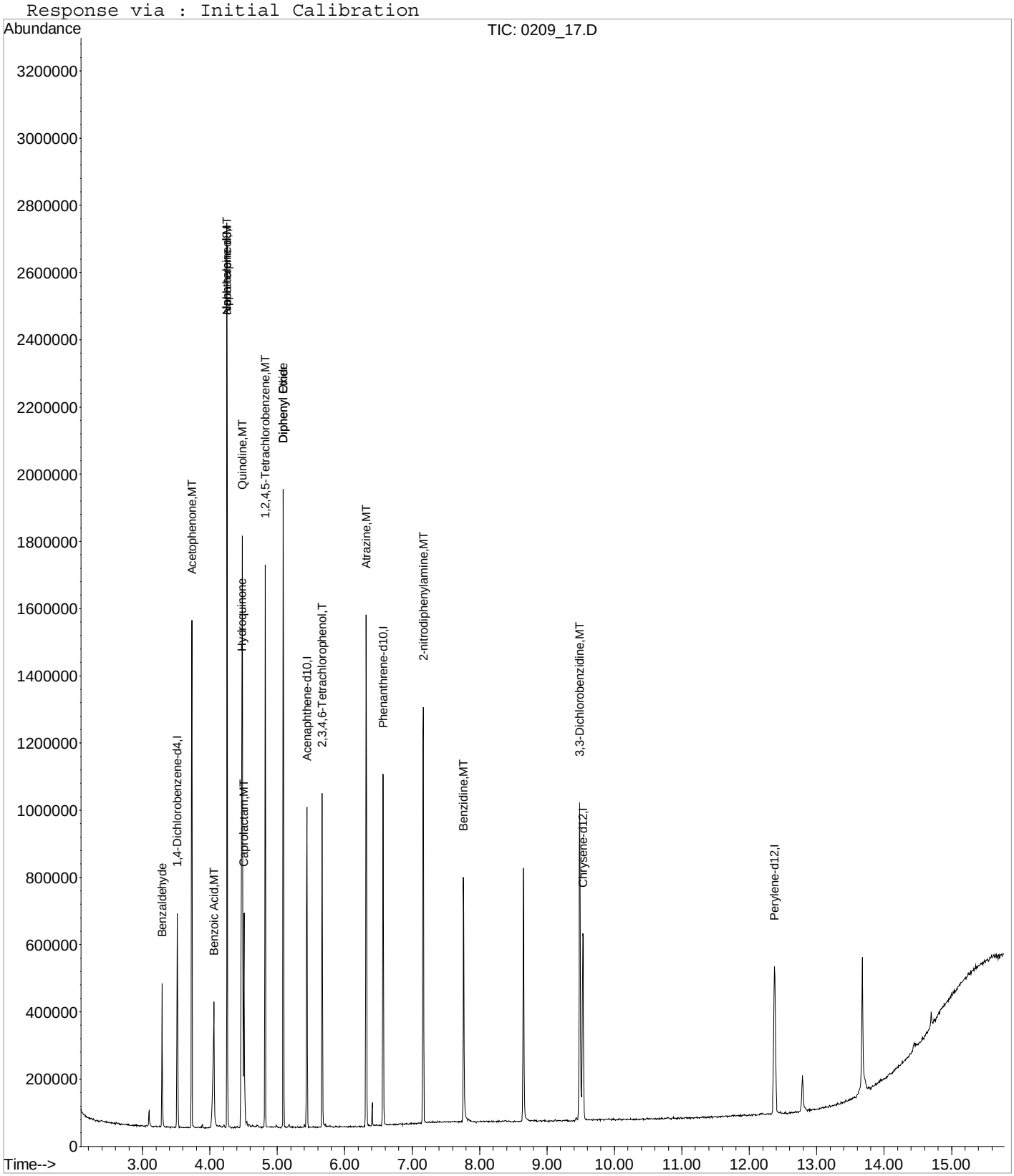
Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:25:47 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	80706	8000.00	ppb	0.00
23) Naphthalene-d8	4.25	136	399771	8000.00	ppb	0.00
46) Acenaphthene-d10	5.44	164	165153	8000.00	ppb	0.00
70) Phenanthrene-d10	6.57	188	310543	8000.00	ppb	0.00
84) Chrysene-d12	9.53	240	267602	8000.00	ppb	0.00
94) Perylene-d12	12.37	264	278906	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
7) Phenol-d5	0.00	99	0d	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.00	82	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.00	172	0d	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.00	244	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.29	105	70662	19685.1634252	ppb	97
22) Acetophenone	3.73	105	331215	19844.9495807	ppb	100
31) Benzoic Acid	4.06	105	142776	22985.3864980	ppb	97
33) alpha-terpineol	4.25	59	228650	19861.3528537	ppb	100
37) Hydroquinone	4.47	110	185756	19628.8303703	ppb	97
38) Quinoline	4.48	129	490490	19937.9498035	ppb	99
39) Caprolactam	4.50	113	57125	20737.8999620	ppb	97
43) 1,2,4,5-Tetrachlorobenzene	4.82	216	213585	19635.6089839	ppb	99
44) Diphenyl Ether	5.09	170	314838	20064.4401459	ug/ml	100
45) Diphenyl Oxide	5.09	170	314838	20064.4401459	ug/ml	100
62) 2,3,4,6-Tetrachlorophenol	5.67	232	91641	19458.1801546	ppb	98
69) Atrazine	6.32	200	137477	20355.8128288	ppb	99
82) 2-nitrodiphenylamine	7.16	167	162587	22933.0128430	ppb #	100
85) Benzidine	7.76	184	309145	21823.7641043	ppb	99
89) 3,3-Dichlorobenzidine	9.49	252	286959	20829.0616750	ppb	99

(#) = qualifier out of range (m) = manual integration
0209_17.D S804B09V.M Fri Feb 18 15:28:47 2022 Page 1

Data File : C:\MSDCHEM\1\DATA\020922\0209 17.D Vial: 14
Acq On : 9 Feb 2022 2:32 pm Operator: 917
Sample : STD TCL 20K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:27 2022 Quant Results File: S804B09V.RES

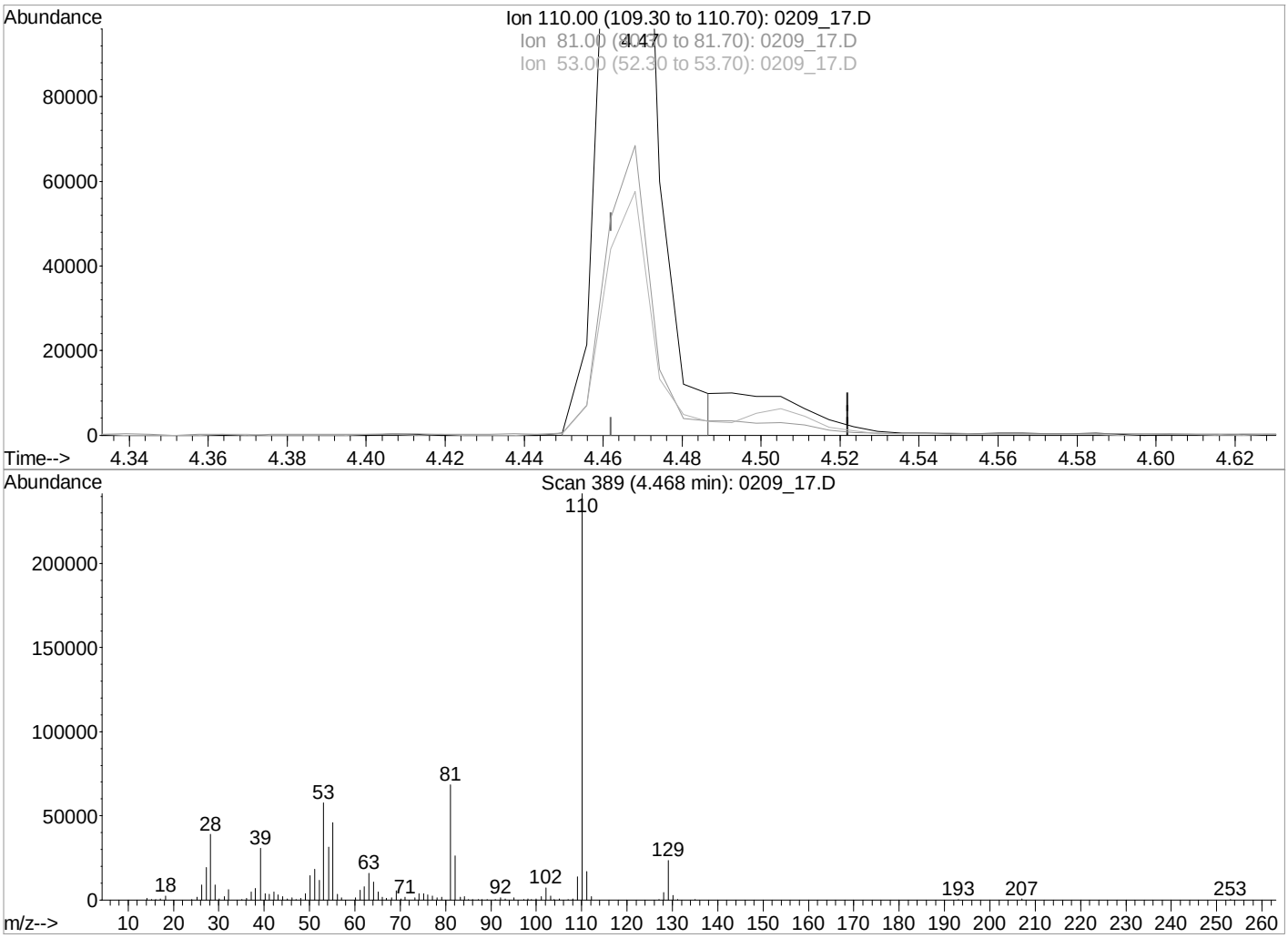
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:25:47 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 17.D Vial: 14
Acq On : 9 Feb 2022 2:32 pm Operator: 917
Sample : STD TCL 20K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:36 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:34:51 2022
Response via : Single Level Calibration



TIC: 0209_17.D

(37) Hydroquinone

4.47min (+0.006) 18327.5298072 ppb m

response 185555

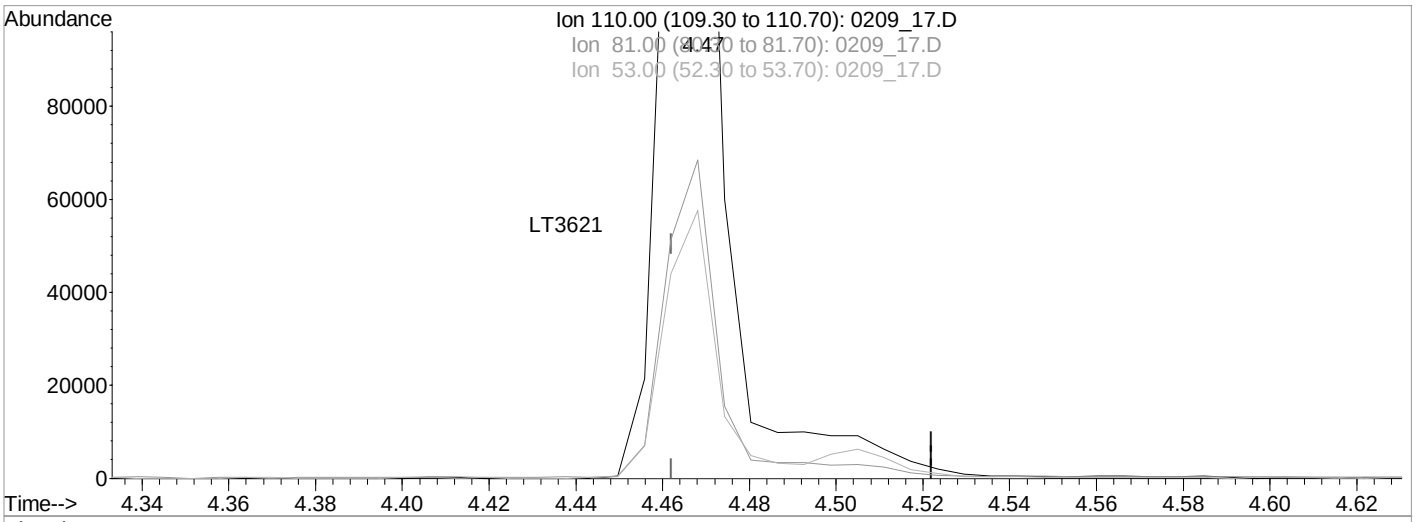
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	28.35
53.00	25.90	23.82
0.00	0.00	0.00

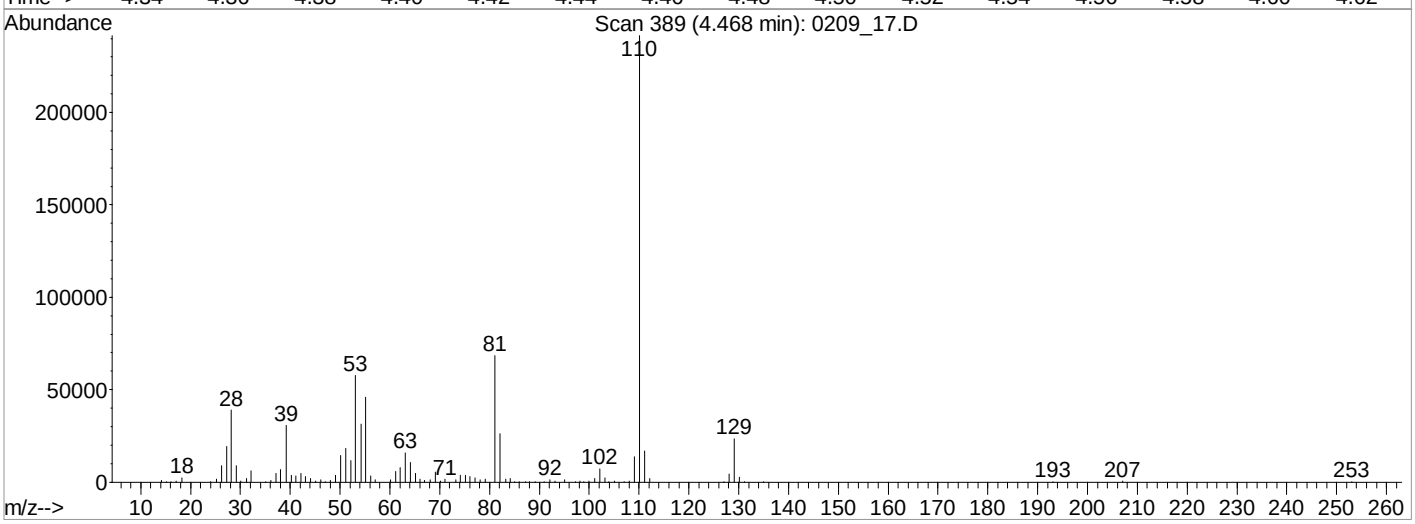
0209_17.D S804B09V.M Mon Feb 14 16:36:16 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 17.D Vial: 14
Acq On : 9 Feb 2022 2:32 pm Operator: 917
Sample : STD TCL 20K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:36 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:34:51 2022
Response via : Single Level Calibration





TIC: 0209_17.D

(37) Hydroquinone

4.47min (+0.006) 19899.5756395 ppb m

response 201471

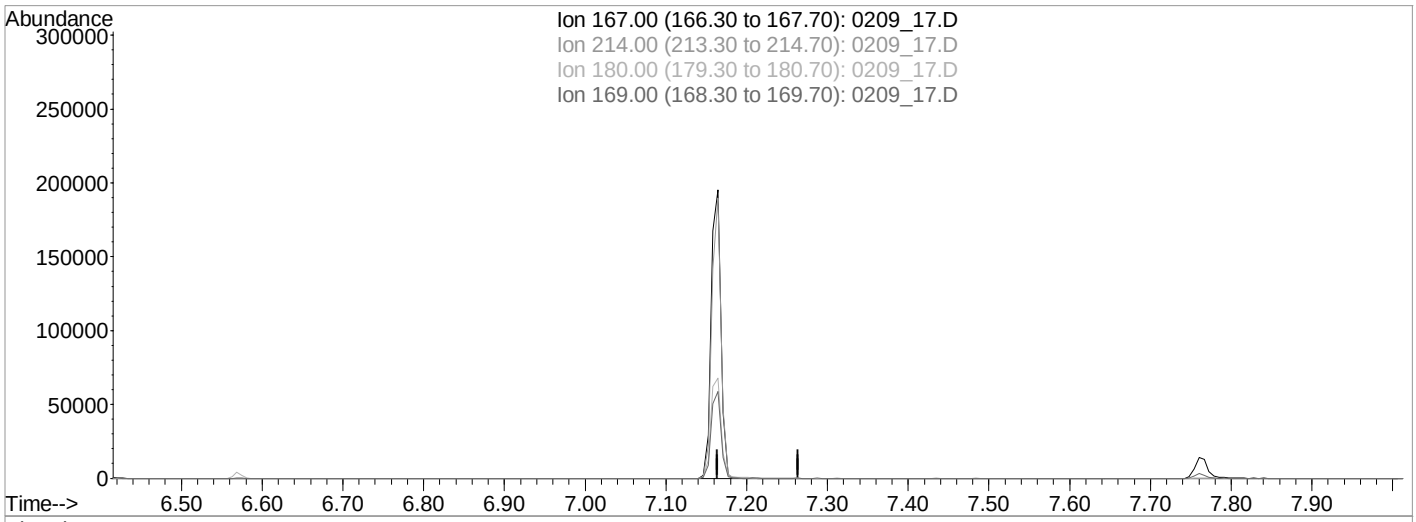
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	28.35
53.00	25.90	23.82
0.00	0.00	0.00

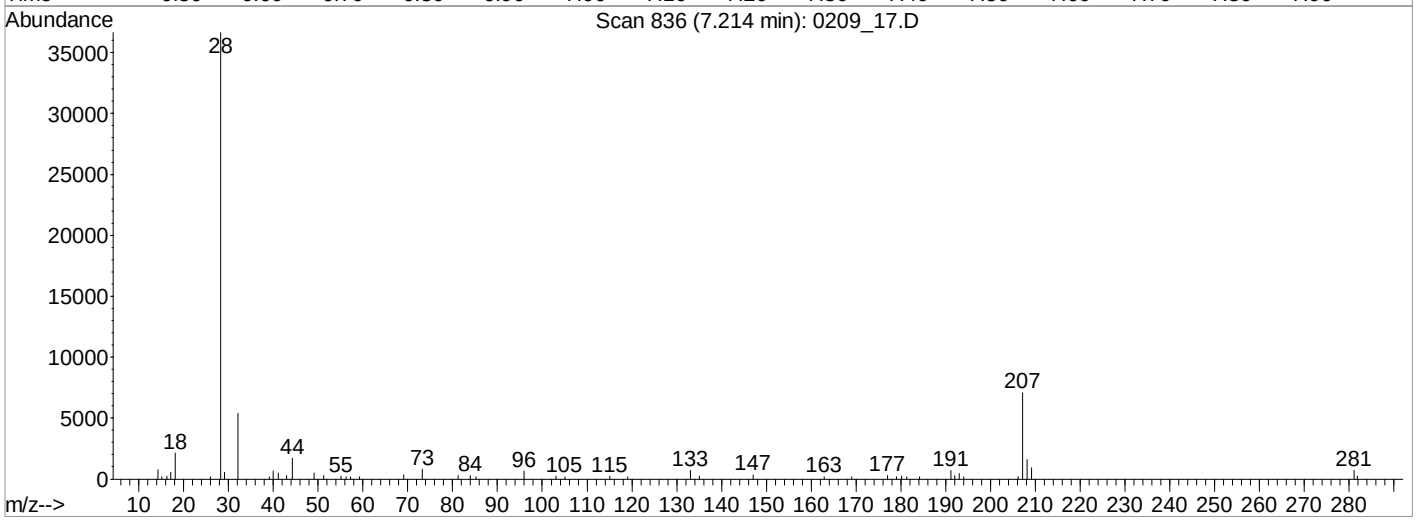
0209_17.D S804B09V.M Mon Feb 14 16:36:27 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 17.D Vial: 14
Acq On : 9 Feb 2022 2:32 pm Operator: 917
Sample : STD TCL 20K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:36 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:34:51 2022
Response via : Single Level Calibration





TIC: 0209_17.D

(82) 2-nitrodiphenylamine (MT)

7.21min (-7.213) 0.0000000 ppb

Qvalue = 0

response 0

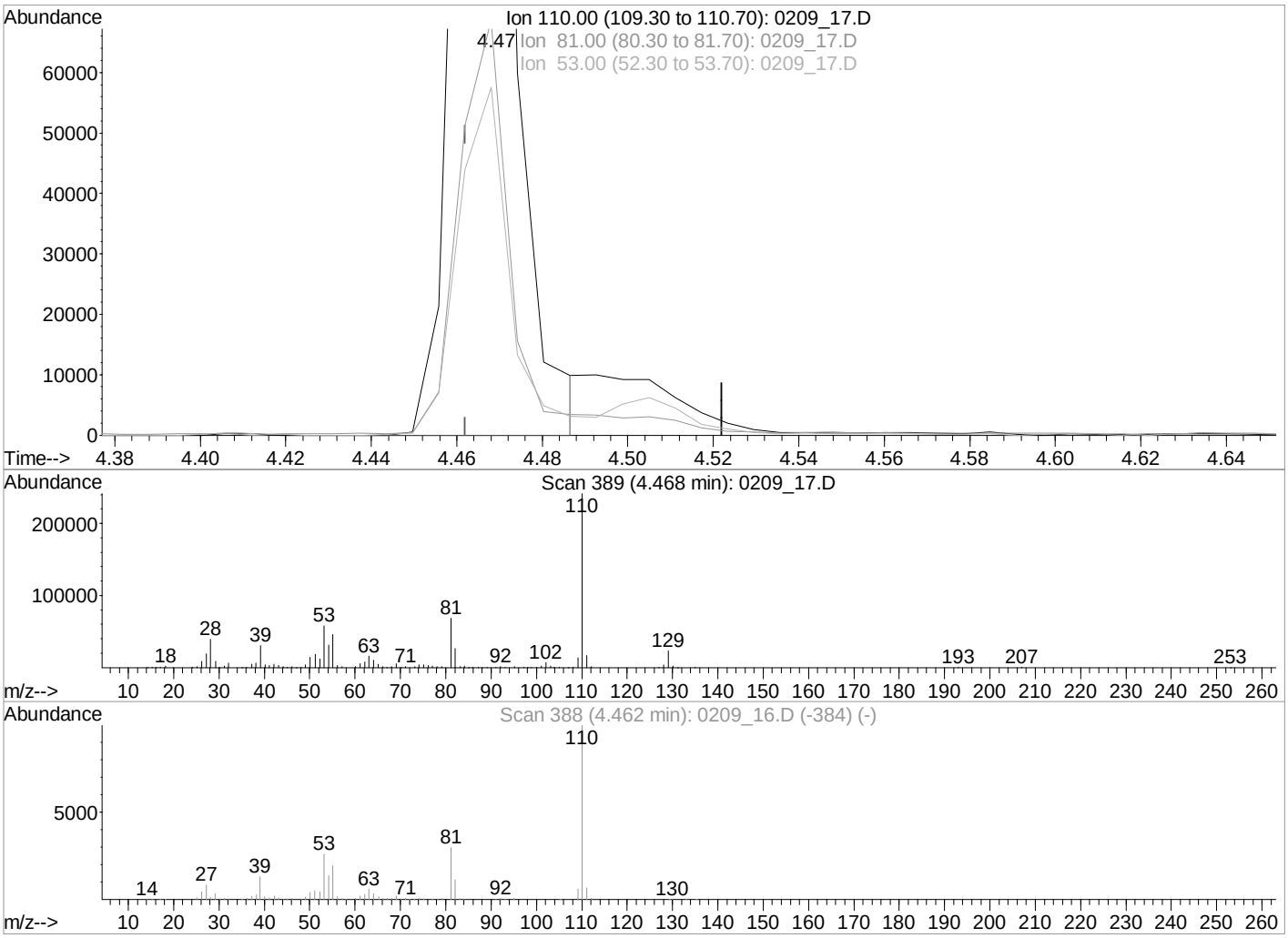
Ion	Exp%	Act%
167.00	100	0.00
214.00	0.00	0.00
180.00	0.00	0.00
169.00	0.00	0.00

0209_17.D S804B09V.M Mon Feb 14 16:36:39 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 17.D Vial: 14
Acq On : 9 Feb 2022 2:32 pm Operator: 917
Sample : STD TCL 20K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:27 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:25:47 2022
Response via : Single Level Calibration



TIC: 0209_17.D

(37) Hydroquinone

4.47min (+0.006) 19628.8303703 ppb

Qvalue = 97

response 185756

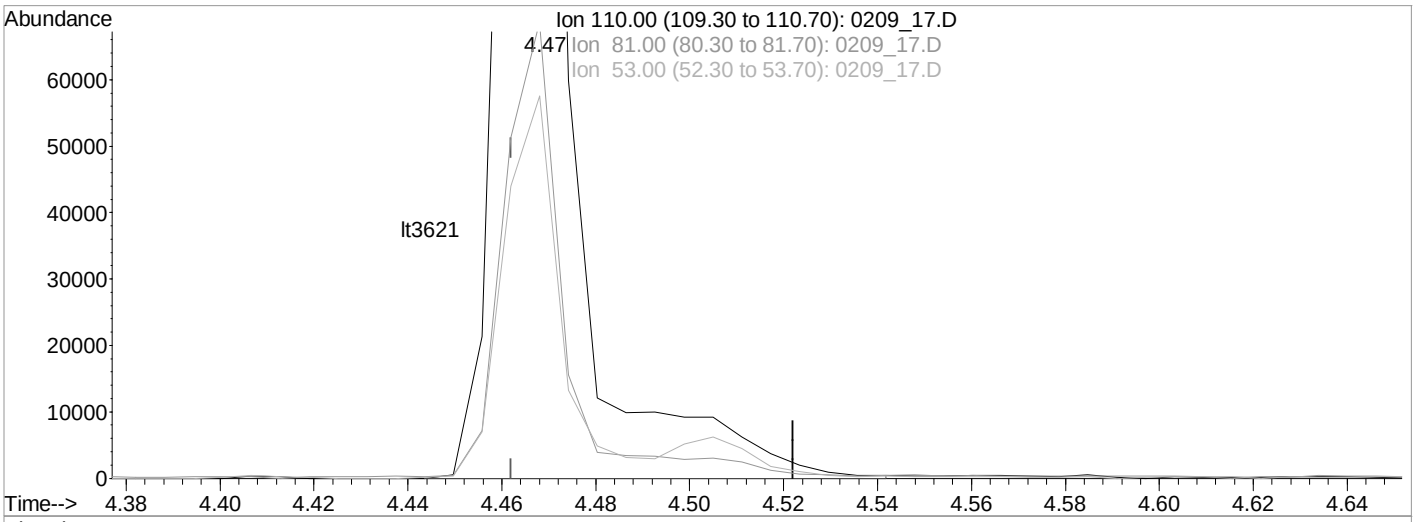
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	28.22
53.00	25.90	23.82
0.00	0.00	0.00

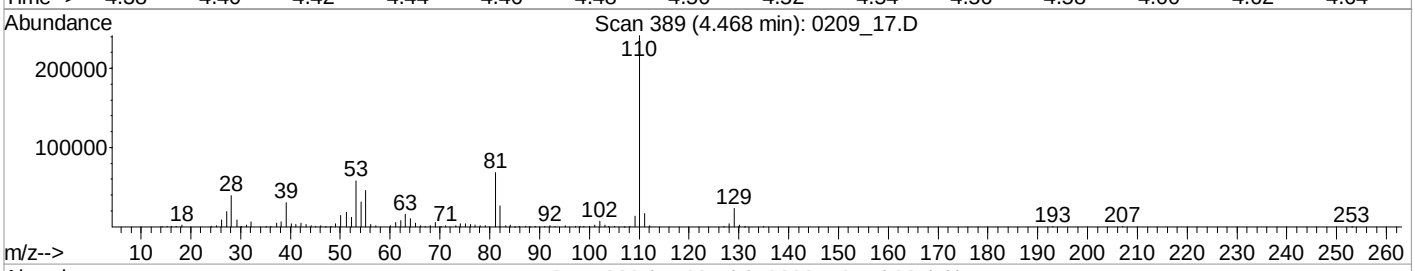
0209_17.D S804B09V.M Fri Feb 18 15:27:52 2022

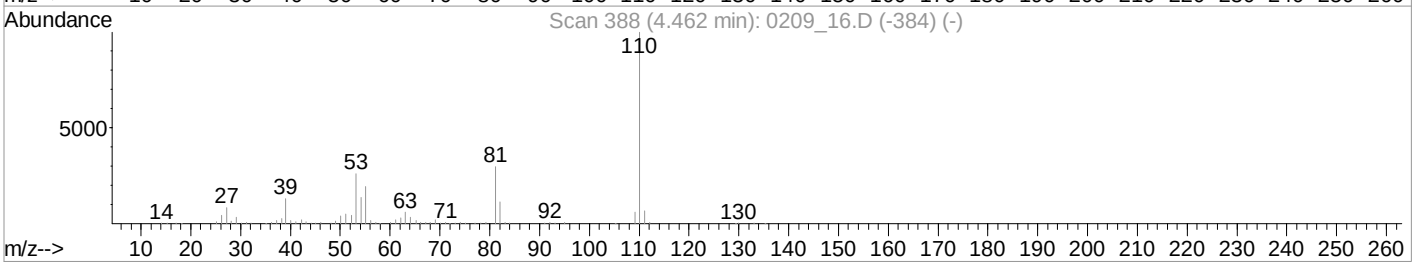
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 17.D Vial: 14
Acq On : 9 Feb 2022 2:32 pm Operator: 917
Sample : STD TCL 20K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:27 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:25:47 2022
Response via : Single Level Calibration







TIC: 0209_17.D

(37) Hydroquinone

4.47min (+0.006) 19628.8303703 ppb

Qvalue = 97

response 185756

Ion	Exp%	Act%
110.00	100	100
81.00	29.80	28.22
53.00	25.90	23.82
0.00	0.00	0.00

0209_17.D S804B09V.M Fri Feb 18 15:28:07 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 18.D Vial: 15
Acq On : 9 Feb 2022 2:53 pm Operator: 917
Sample : STD TCL 30K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:30 2022 Quant Results File: S804B09V.RES

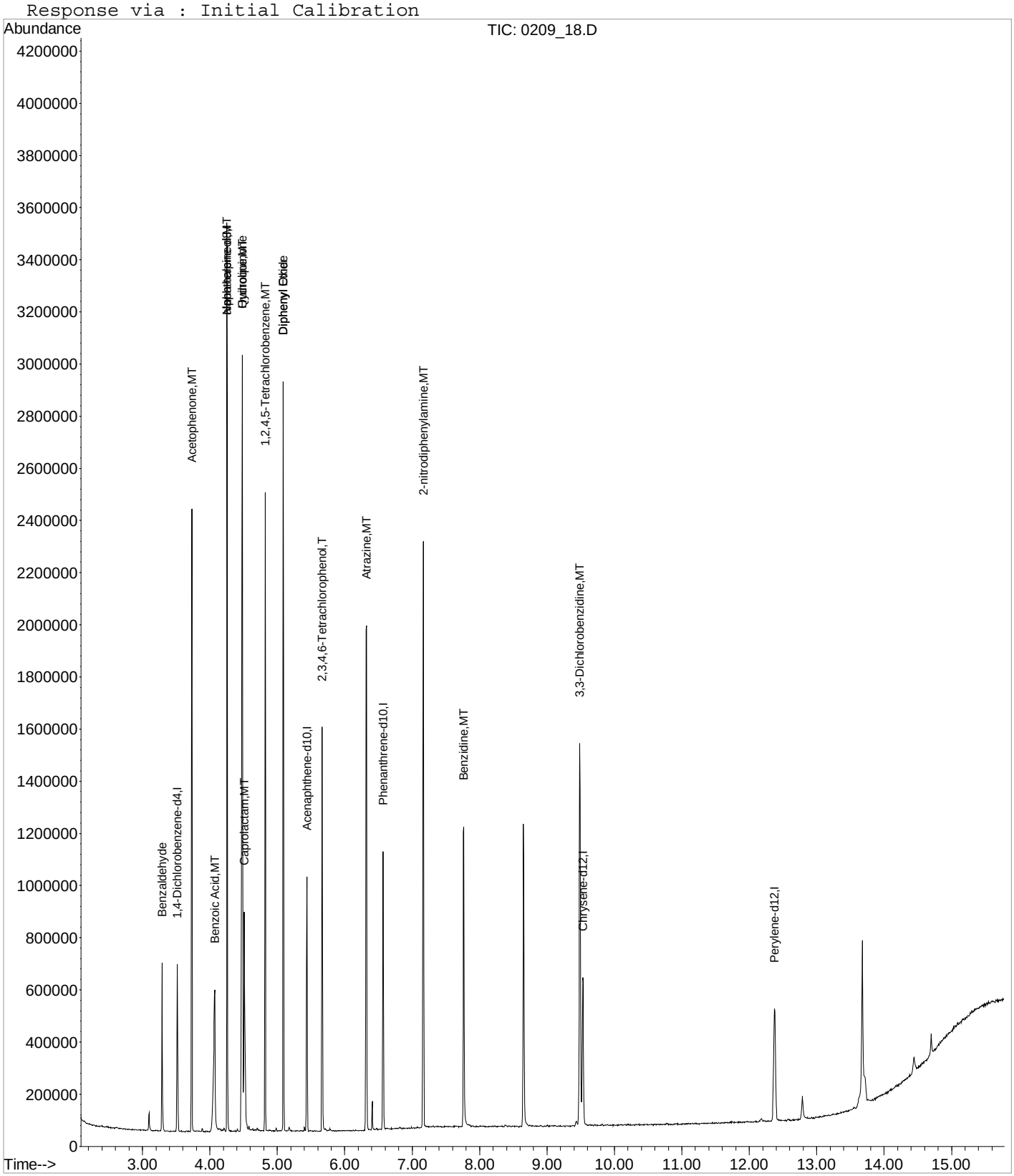
Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:28:57 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	82108	8000.00	ppb	0.00
23) Naphthalene-d8	4.25	136	454114	8000.00	ppb	0.00
46) Acenaphthene-d10	5.44	164	168401	8000.00	ppb	0.00
70) Phenanthrene-d10	6.57	188	315216	8000.00	ppb	0.00
84) Chrysene-d12	9.53	240	275976	8000.00	ppb	0.00
94) Perylene-d12	12.37	264	284329	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
7) Phenol-d5	0.00	99	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.00	82	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.00	172	0d	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.00	244	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.29	105	106225	29087.0842194	ppb	99
22) Acetophenone	3.73	105	505456	29767.5922833	ppb	99
31) Benzoic Acid	4.08	105	230790	32708.4514047	ppb	98
33) alpha-terpineol	4.25	59	348279	26632.4613626	ppb	100
37) Hydroquinone	4.47	110	296671	27928.9894085	ppb	96
38) Quinoline	4.48	129	748414	26781.7307239	ppb	99
39) Caprolactam	4.51	113	91827	29346.4351921	ppb	97
43) 1,2,4,5-Tetrachlorobenzene	4.82	216	326532	26426.8725297	ppb	100
44) Diphenyl Ether	5.09	170	472571	26512.6637447	ug/ml	99
45) Diphenyl Oxide	5.09	170	472571	26512.6637447	ug/ml	99
62) 2,3,4,6-Tetrachlorophenol	5.67	232	141749	29517.1352371	ppb	99
69) Atrazine	6.32	200	207850	30182.1541051	ppb	99
82) 2-nitrodiphenylamine	7.16	167	262818	36543.3967385	ppb #	100
85) Benzidine	7.77	184	501082	34300.0121056	ppb	100
89) 3,3-Dichlorobenzidine	9.49	252	434215	30561.3628394	ppb	99

(#) = qualifier out of range (m) = manual integration
0209_18.D S804B09V.M Fri Feb 18 15:31:52 2022 Page 1

Data File : C:\MSDCHEM\1\DATA\020922\0209 18.D Vial: 15
Acq On : 9 Feb 2022 2:53 pm Operator: 917
Sample : STD TCL 30K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:30 2022 Quant Results File: S804B09V.RES

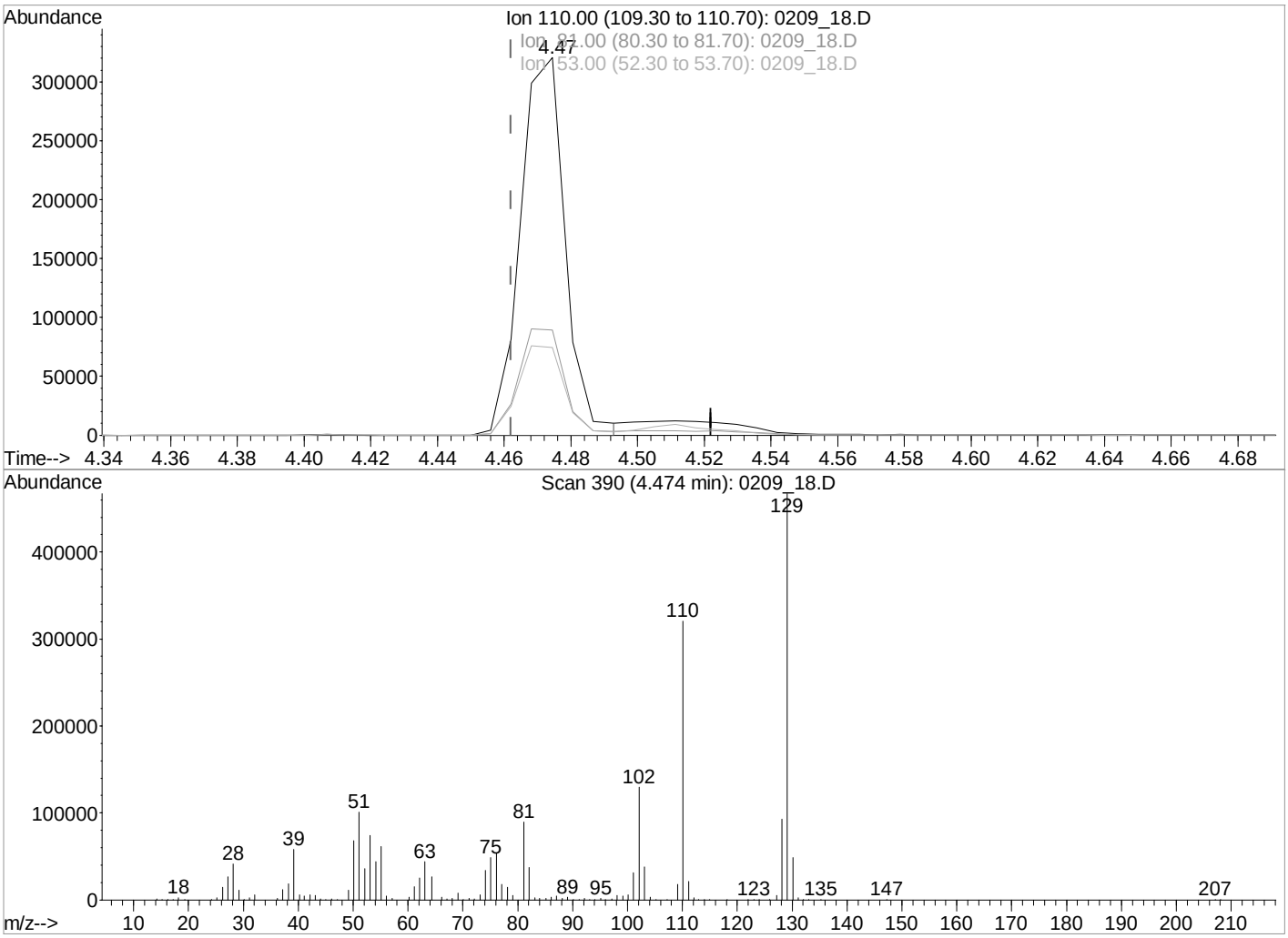
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:28:57 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 18.D Vial: 15
Acq On : 9 Feb 2022 2:53 pm Operator: 917
Sample : STD TCL 30K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:39 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:37:26 2022
Response via : Single Level Calibration



TIC: 0209_18.D

(37) Hydroquinone

4.47min (+0.012) 26335.0012438 ppb m

response 296613

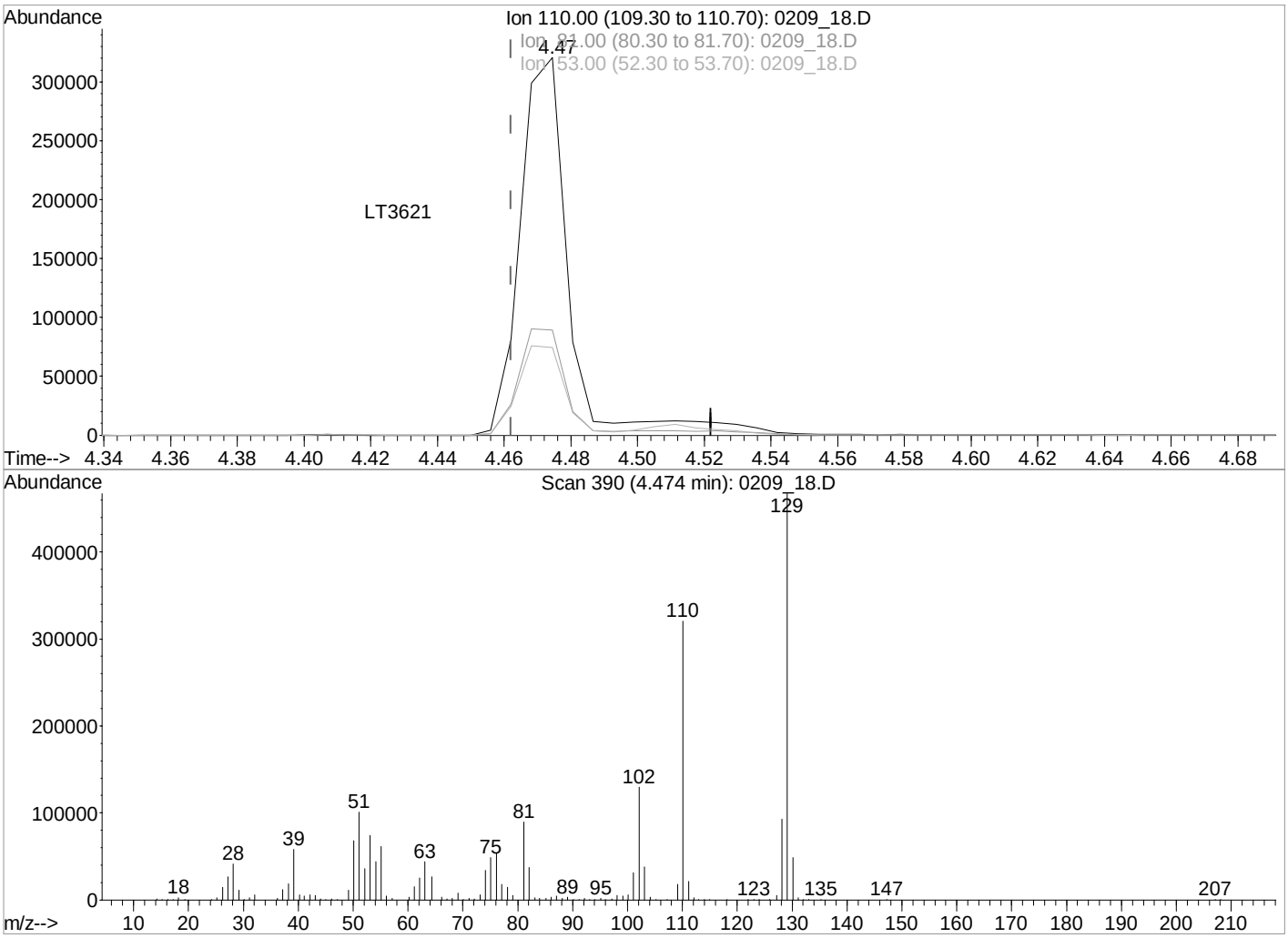
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	27.93
53.00	25.90	23.20
0.00	0.00	0.00

0209_18.D S804B09V.M Mon Feb 14 16:39:50 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 18.D Vial: 15
Acq On : 9 Feb 2022 2:53 pm Operator: 917
Sample : STD TCL 30K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:39 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:37:26 2022
Response via : Single Level Calibration



TIC: 0209_18.D

(37) Hydroquinone

4.47min (+0.012) 28839.3802835 ppb m

response 324820

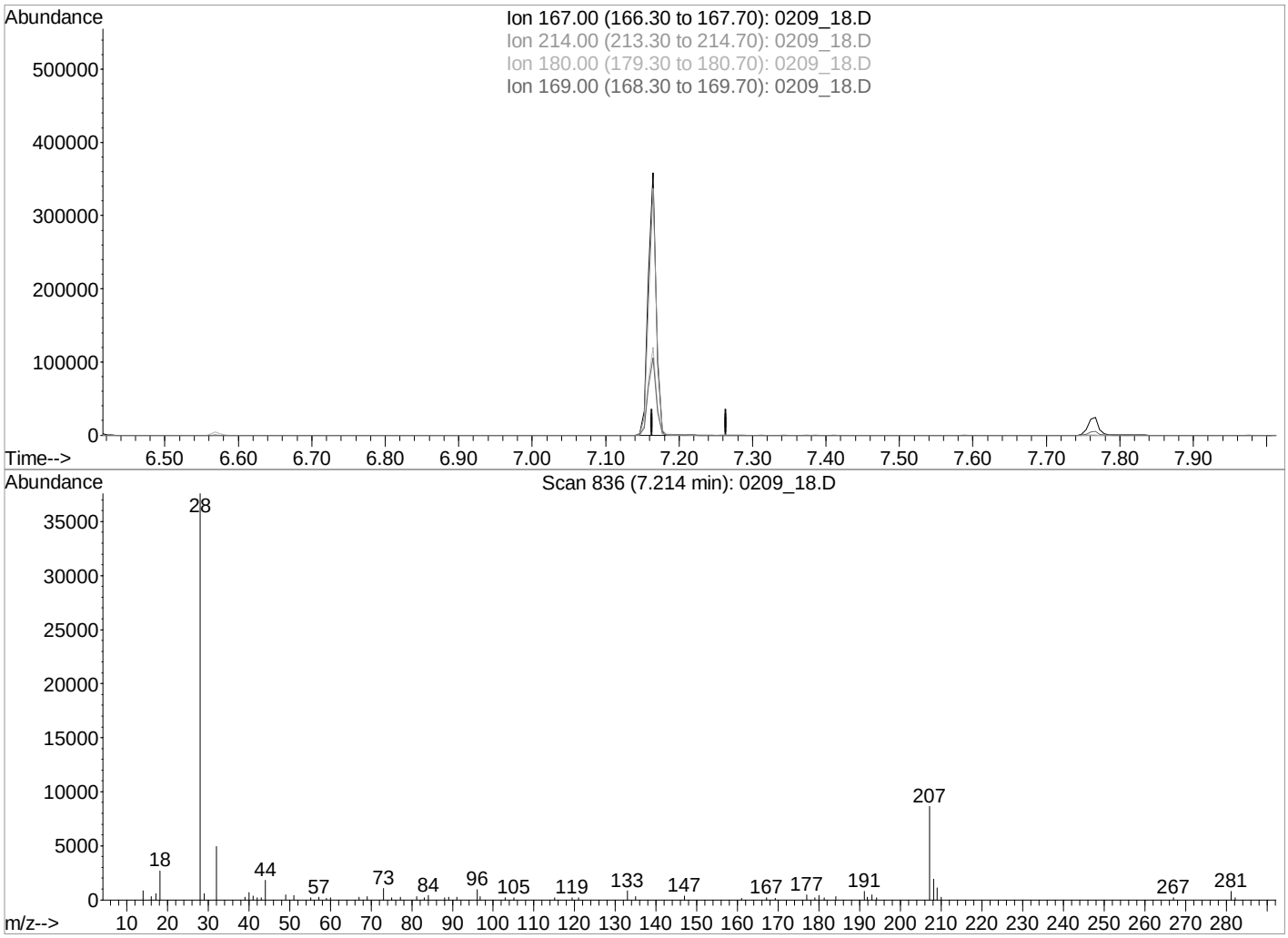
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	27.93
53.00	25.90	23.20
0.00	0.00	0.00

0209_18.D S804B09V.M Mon Feb 14 16:40:05 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 18.D Vial: 15
Acq On : 9 Feb 2022 2:53 pm Operator: 917
Sample : STD TCL 30K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:39 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:37:26 2022
Response via : Single Level Calibration



TIC: 0209_18.D

(82) 2-nitrodiphenylamine (MT)

7.21min (-7.213) 0.0000000 ppb

Qvalue = 0

response 0

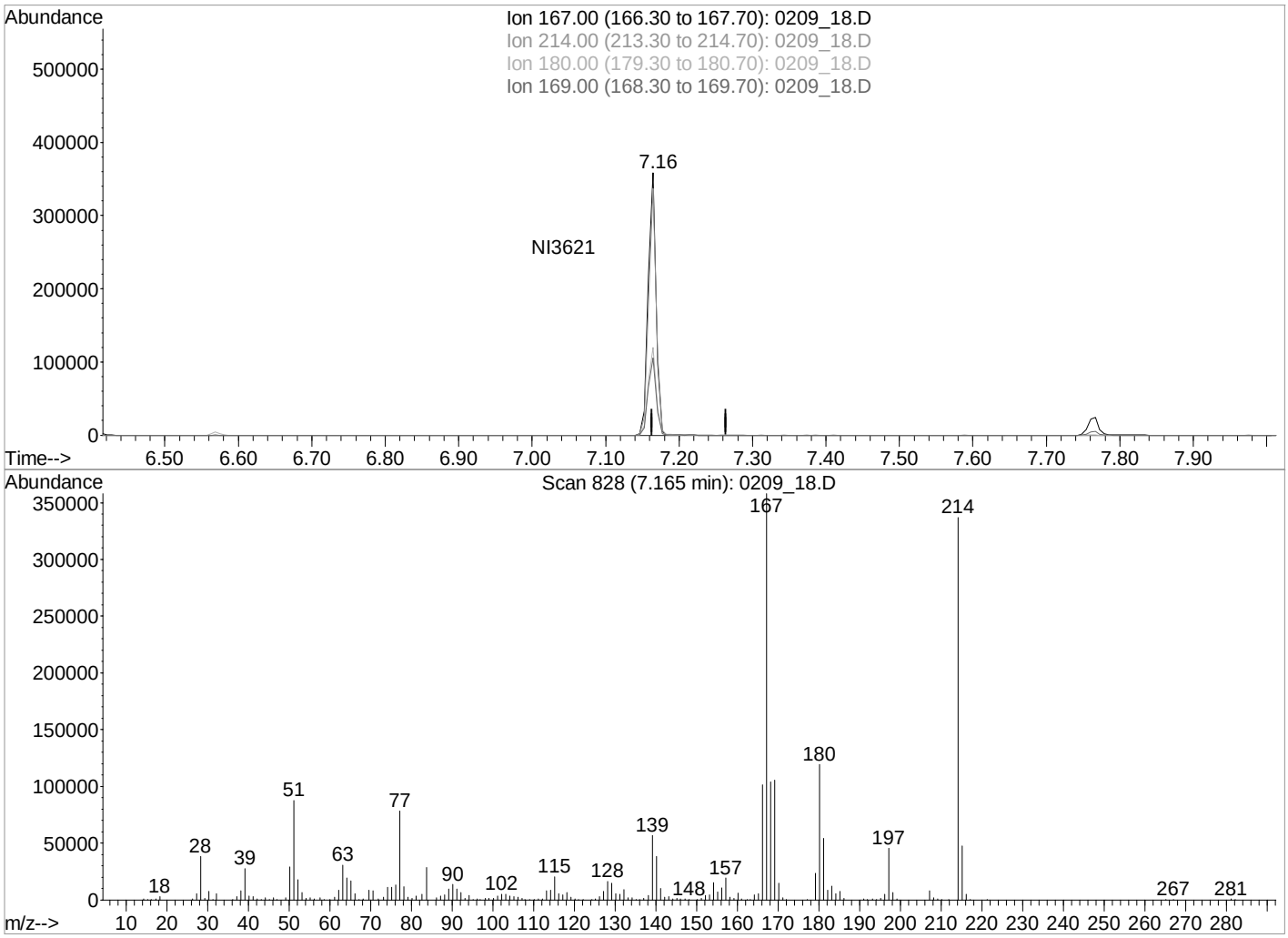
Ion	Exp%	Act%
167.00	100	0.00
214.00	0.00	0.00
180.00	0.00	0.00
169.00	0.00	0.00

0209_18.D S804B09V.M Mon Feb 14 16:40:25 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 18.D Vial: 15
Acq On : 9 Feb 2022 2:53 pm Operator: 917
Sample : STD TCL 30K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:40 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:37:26 2022
Response via : Single Level Calibration



TIC: 0209_18.D

(82) 2-nitrodiphenylamine (MT)

7.16min (-0.049) 0.0000000 ppb m

response 263020

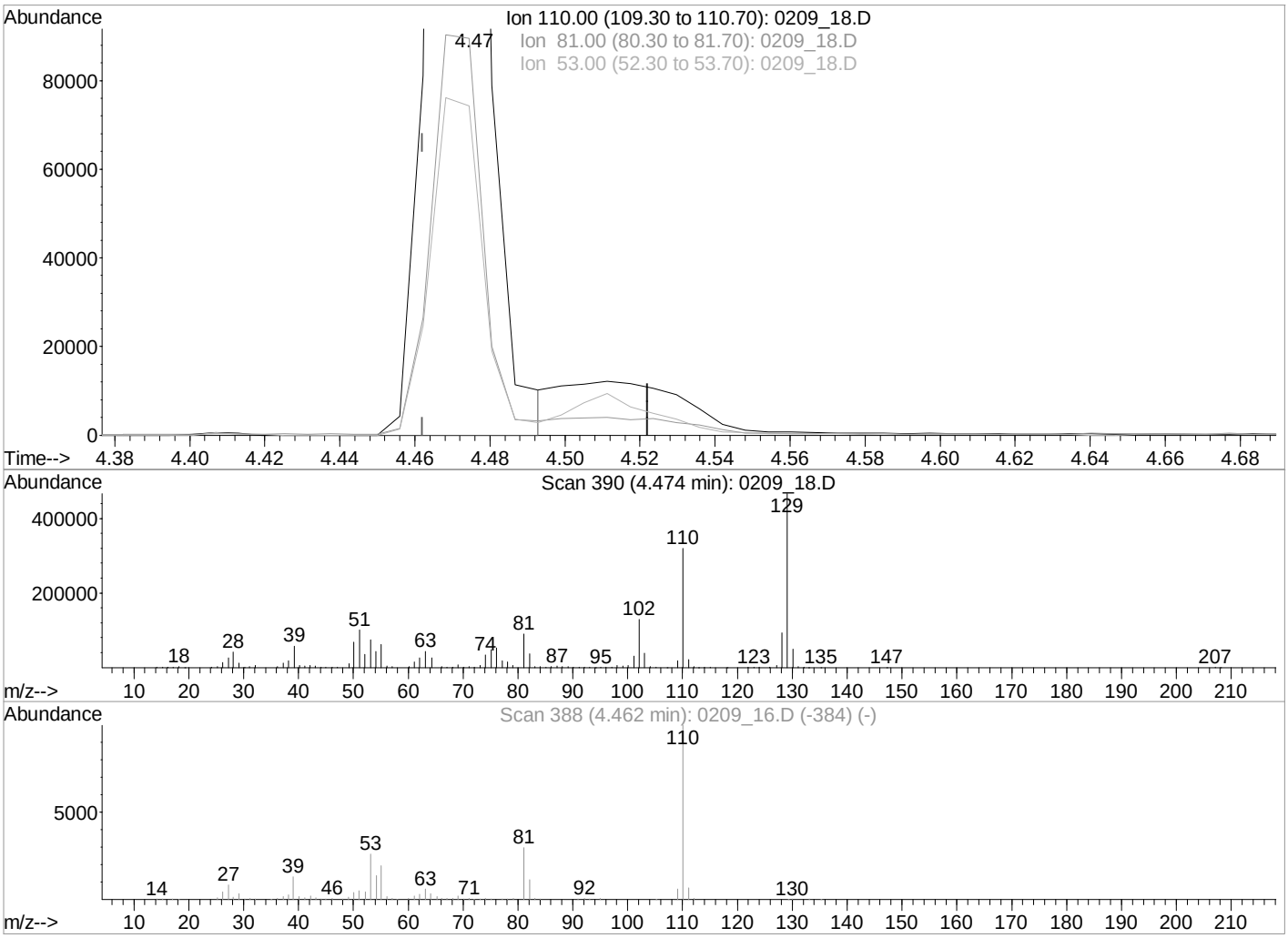
Ion	Exp%	Act%
167.00	100	100
214.00	0.00	0.00
180.00	0.00	0.00
169.00	0.00	0.00

0209_18.D S804B09V.M Mon Feb 14 16:40:41 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 18.D Vial: 15
Acq On : 9 Feb 2022 2:53 pm Operator: 917
Sample : STD TCL 30K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:30 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:28:57 2022
Response via : Single Level Calibration



TIC: 0209_18.D

(37) Hydroquinone

4.47min (+0.012) 27928.9894085 ppb

Qvalue = 96

response 296671

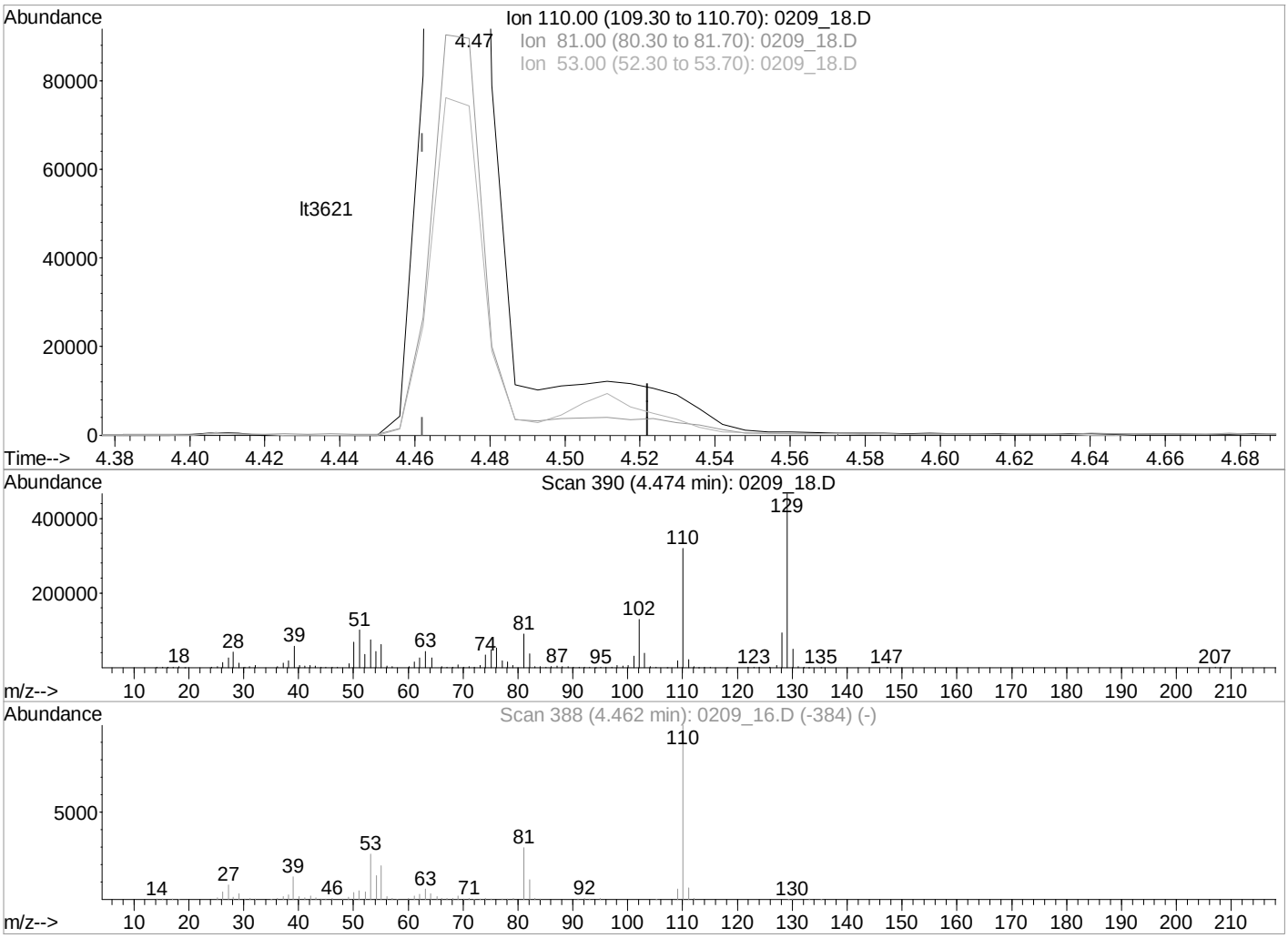
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	27.88
53.00	25.90	23.20
0.00	0.00	0.00

0209_18.D S804B09V.M Fri Feb 18 15:31:00 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 18.D Vial: 15
Acq On : 9 Feb 2022 2:53 pm Operator: 917
Sample : STD TCL 30K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:30 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:28:57 2022
Response via : Single Level Calibration



TIC: 0209_18.D

(37) Hydroquinone

4.47min (+0.012) 27928.9894085 ppb

Qvalue = 96

response 296671

Ion	Exp%	Act%
110.00	100	100
81.00	29.80	27.88
53.00	25.90	23.20
0.00	0.00	0.00

0209_18.D S804B09V.M Fri Feb 18 15:31:10 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 19.D Vial: 16
Acq On : 9 Feb 2022 3:14 pm Operator: 917
Sample : STD TCL 40K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:33 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:32:01 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

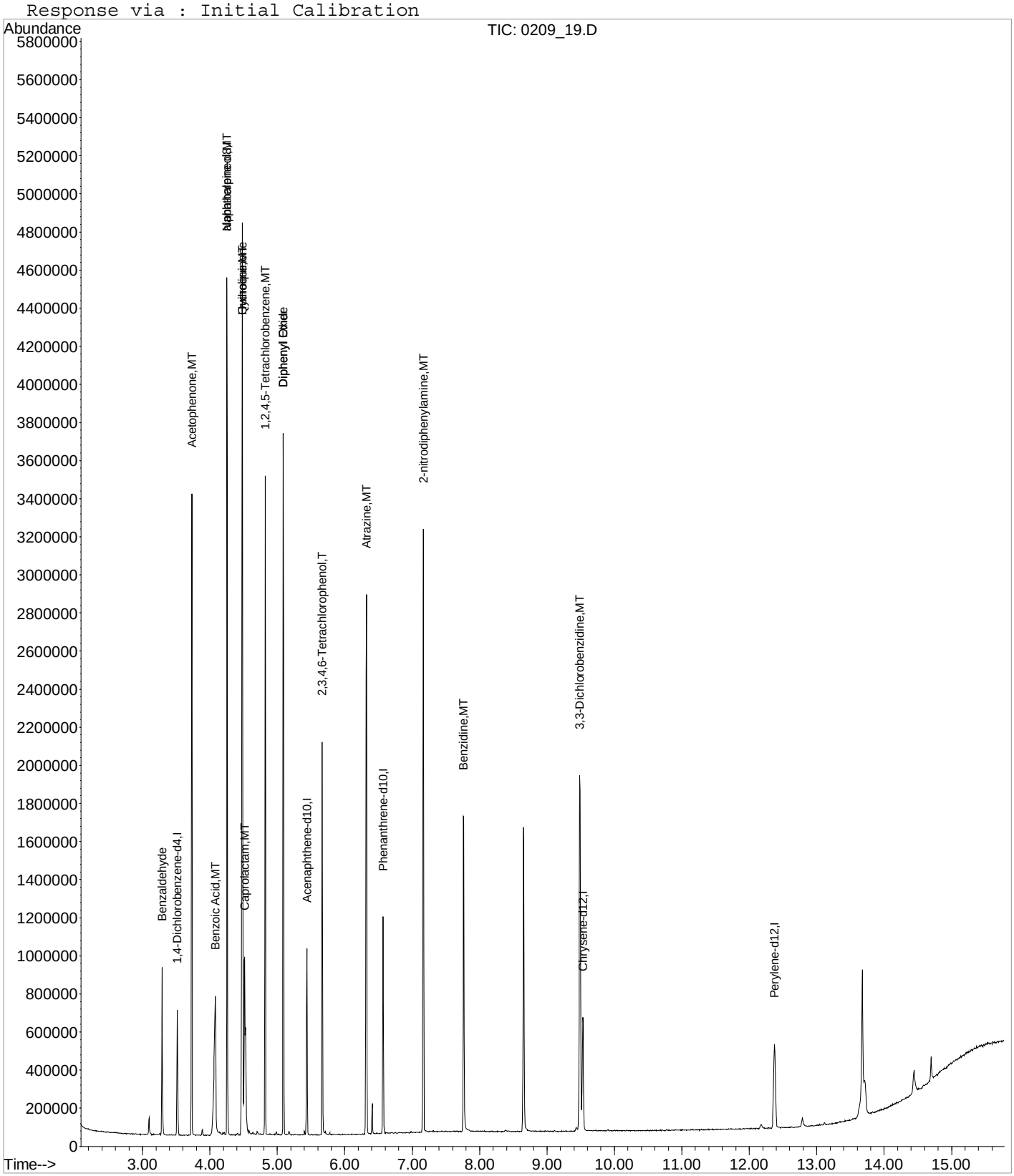
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	83834	8000.00	ppb	0.00
23) Naphthalene-d8	4.25	136	509998	8000.00	ppb	0.00
46) Acenaphthene-d10	5.44	164	170524	8000.00	ppb	0.00
70) Phenanthrene-d10	6.57	188	328342	8000.00	ppb	0.00
84) Chrysene-d12	9.53	240	284281	8000.00	ppb	0.00
94) Perylene-d12	12.37	264	291842	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
7) Phenol-d5	0.00	99	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.00	82	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.00	172	0d	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.00	244	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.29	105	146822	39375.8434486	ppb	99
22) Acetophenone	3.73	105	707524	40810.0206029	ppb	99
31) Benzoic Acid	4.08	105	332830	42001.2174148	ppb	98
33) alpha-terpineol	4.25	59	473632	32249.3875896	ppb	100
37) Hydroquinone	4.47	110	423227	35941.1634228	ppb	98
38) Quinoline	4.48	129	1027793	32749.0578074	ppb	99
39) Caprolactam	4.52	113	131001	37278.2903404	ppb	96
43) 1,2,4,5-Tetrachlorobenzene	4.82	216	446831	32200.2864656	ppb	99
44) Diphenyl Ether	5.09	170	646081	32275.2551573	ug/ml	99
45) Diphenyl Oxide	5.09	170	646081	32275.2551573	ug/ml	99
62) 2,3,4,6-Tetrachlorophenol	5.67	232	194914	40082.6466467	ppb	98
69) Atrazine	6.32	200	283883	40709.7789465	ppb	98
82) 2-nitrodiphenylamine	7.16	167	372323	47622.4782969	ppb #	100
85) Benzidine	7.77	184	724521	48145.9688179	ppb	99
89) 3,3-Dichlorobenzidine	9.49	252	596043	40725.7384781	ppb	99

(#) = qualifier out of range (m) = manual integration
0209_19.D S804B09V.M Fri Feb 18 15:34:19 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 19.D Vial: 16
Acq On : 9 Feb 2022 3:14 pm Operator: 917
Sample : STD TCL 40K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:33 2022 Quant Results File: S804B09V.RES

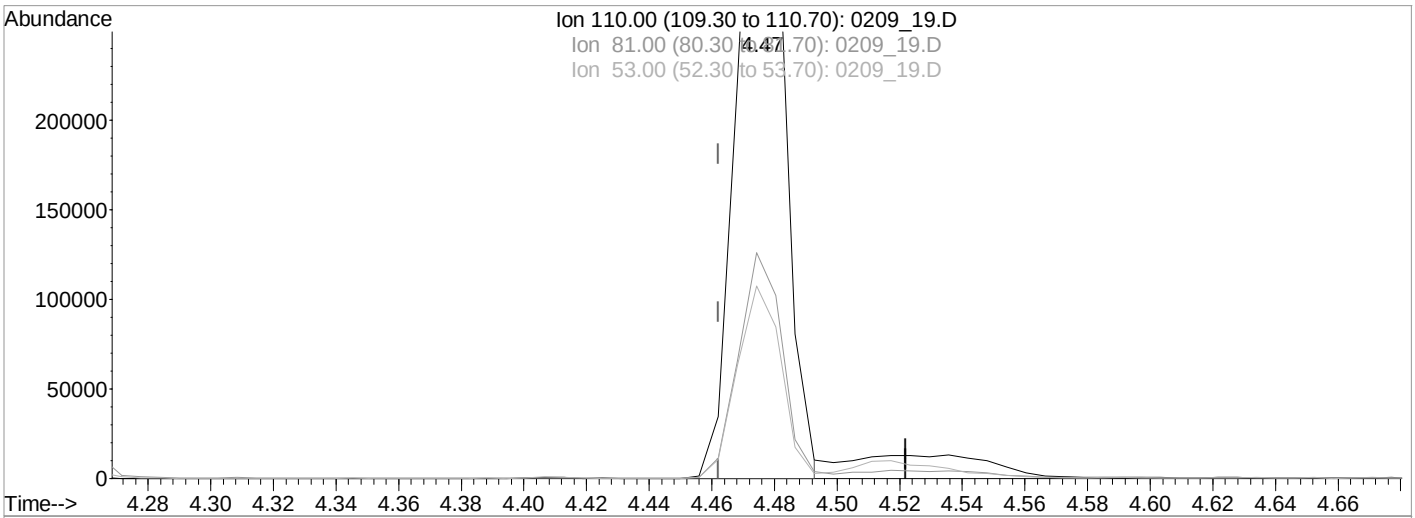
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:32:01 2022
Response via : Initial Calibration

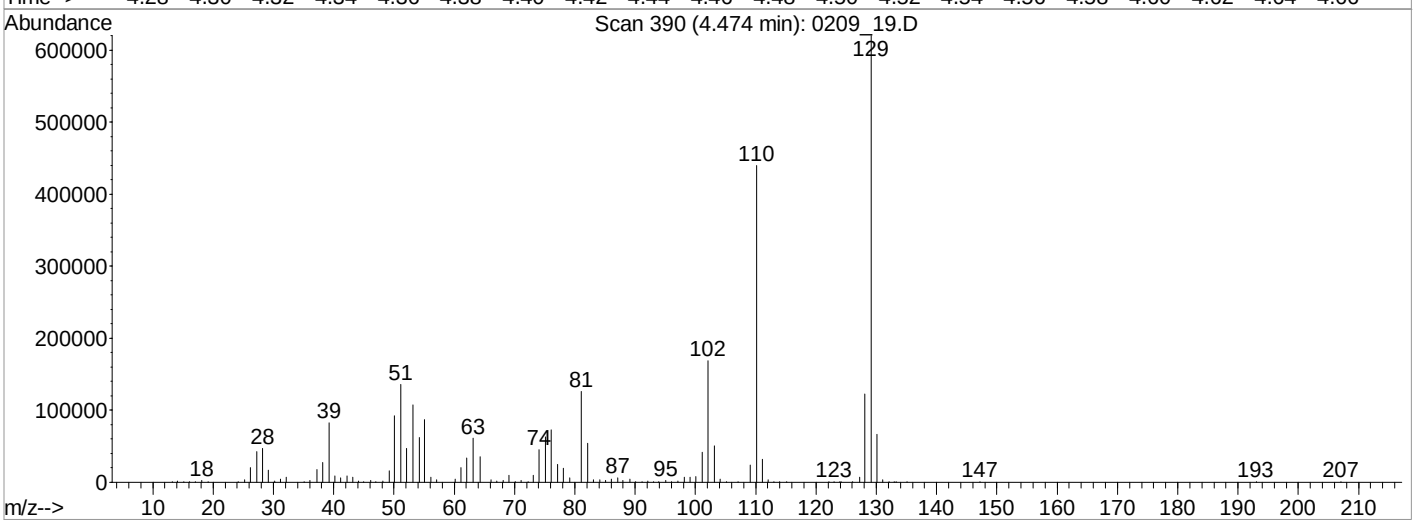


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 19.D Vial: 16
Acq On : 9 Feb 2022 3:14 pm Operator: 917
Sample : STD TCL 40K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 14:12 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:41:34 2022
Response via : Single Level Calibration





TIC: 0209_19.D

(37) Hydroquinone

4.47min (+0.012) 34295.7817388 ppb

Qvalue = 98

response 423227

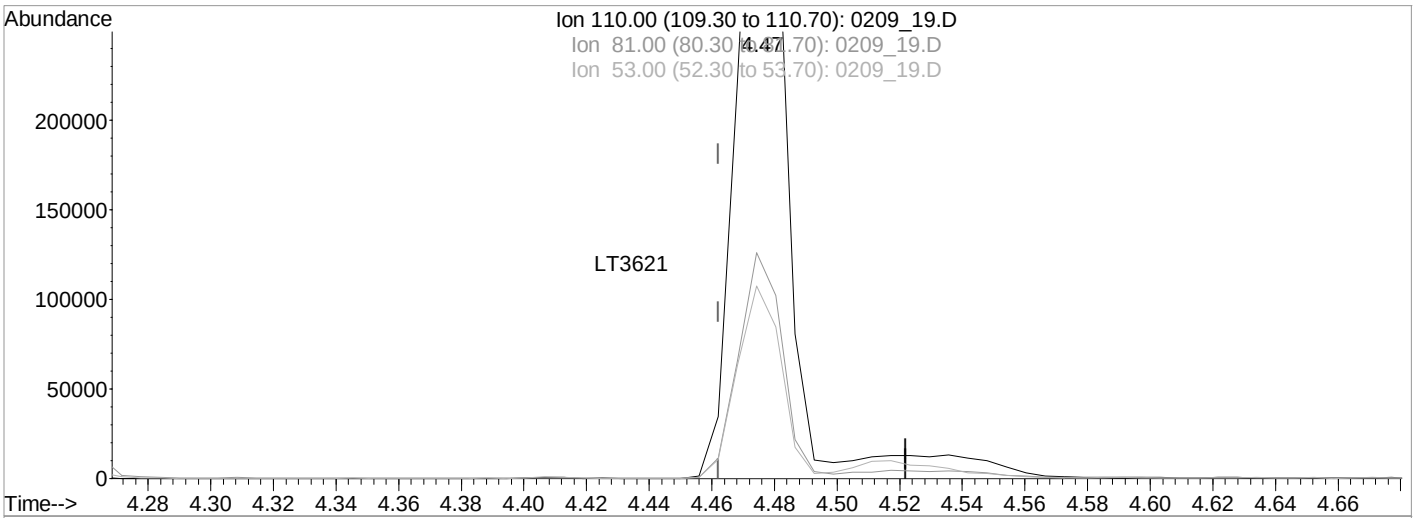
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	28.68
53.00	25.90	24.49
0.00	0.00	0.00

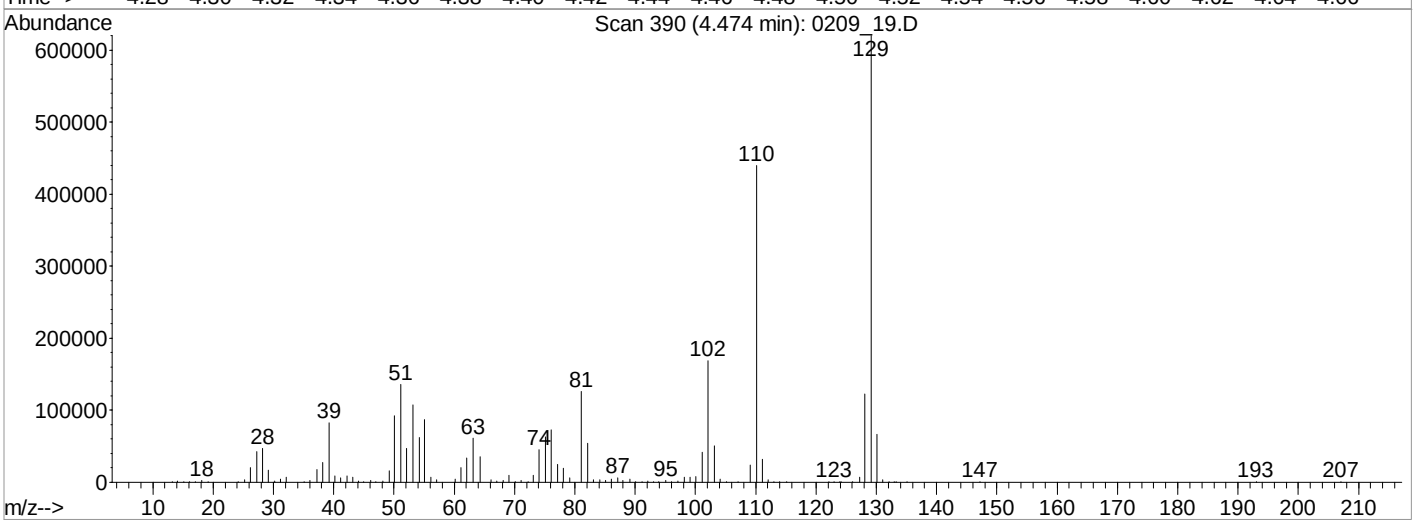
0209_19.D S804B09V.M Mon Feb 14 16:42:24 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 19.D Vial: 16
Acq On : 9 Feb 2022 3:14 pm Operator: 917
Sample : STD TCL 40K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 16:42 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 16:41:34 2022
Response via : Single Level Calibration





TIC: 0209_19.D

(37) Hydroquinone

4.47min (+0.012) 37693.9430263 ppb m

response 465162

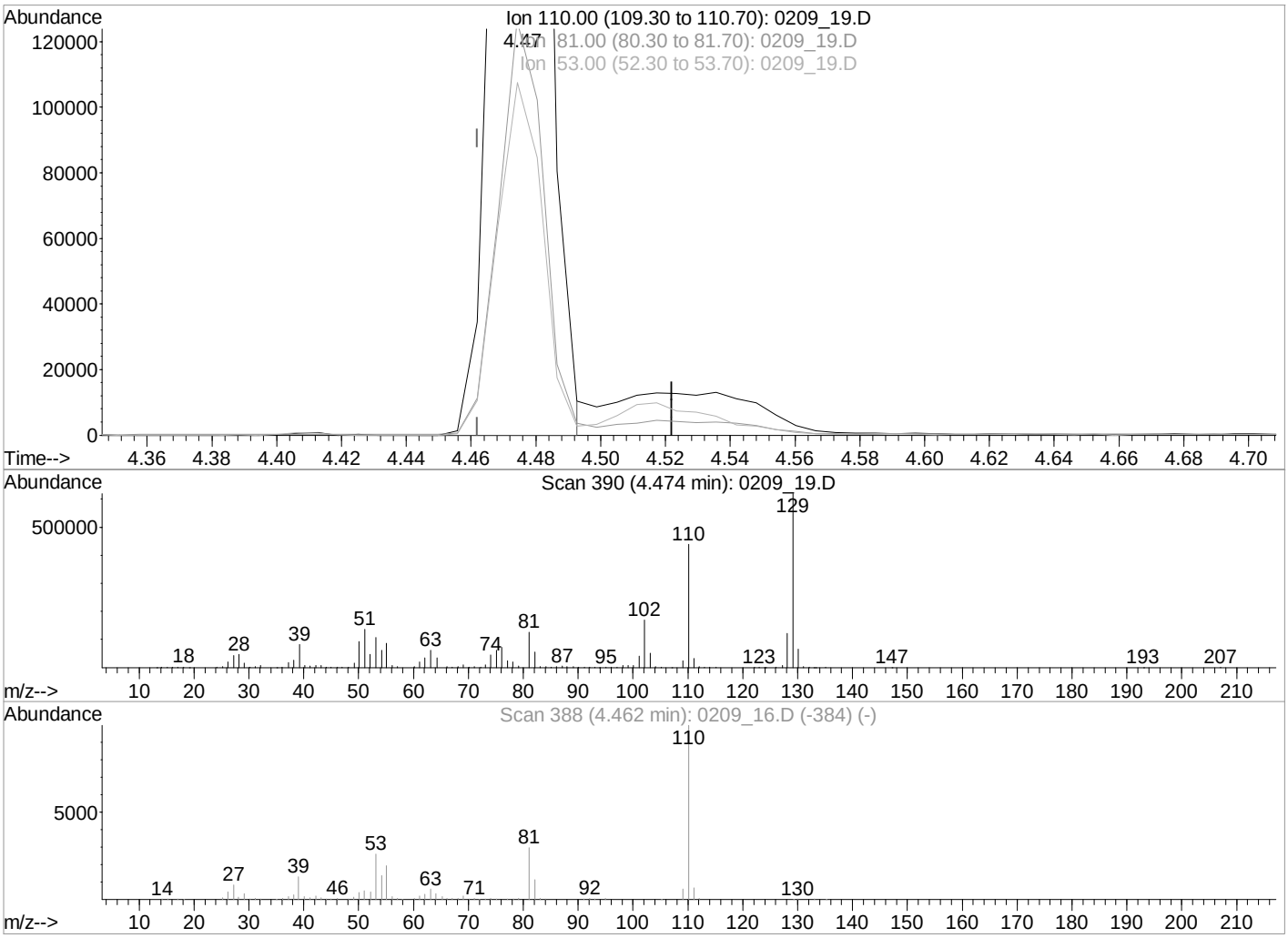
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	28.73
53.00	25.90	24.49
0.00	0.00	0.00

0209_19.D S804B09V.M Mon Feb 14 16:42:34 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 19.D Vial: 16
Acq On : 9 Feb 2022 3:14 pm Operator: 917
Sample : STD TCL 40K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:33 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:32:01 2022
Response via : Single Level Calibration



TIC: 0209_19.D

(37) Hydroquinone

4.47min (+0.012) 35941.1634228 ppb

Qvalue = 98

response 423227

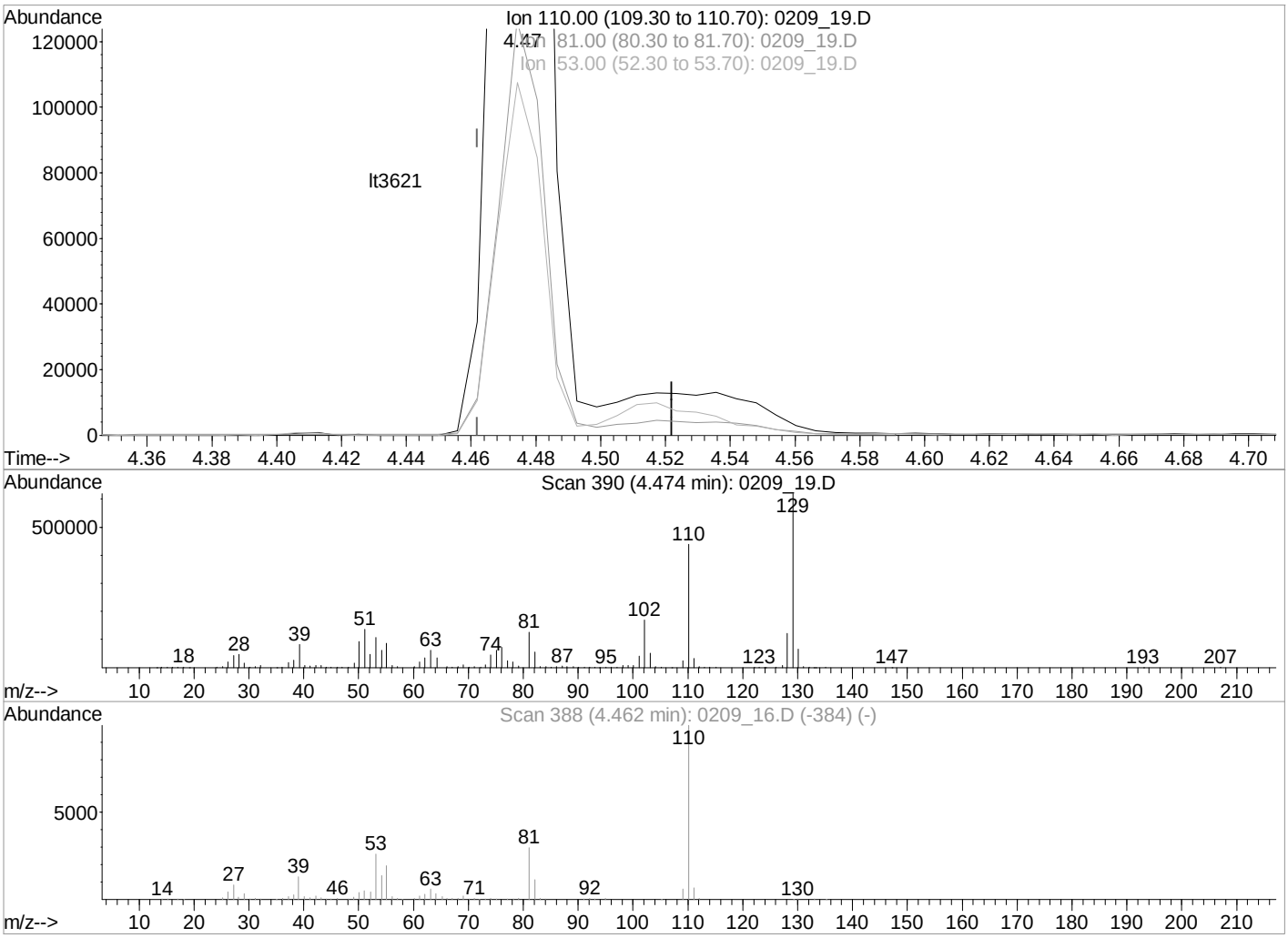
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	28.68
53.00	25.90	24.49
0.00	0.00	0.00

0209_19.D S804B09V.M Fri Feb 18 15:33:34 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 19.D Vial: 16
Acq On : 9 Feb 2022 3:14 pm Operator: 917
Sample : STD TCL 40K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:33 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:32:01 2022
Response via : Single Level Calibration



TIC: 0209_19.D

(37) Hydroquinone

4.47min (+0.012) 35941.1634228 ppb

Qvalue = 98

response 423227

Ion	Exp%	Act%
110.00	100	100
81.00	29.80	28.68
53.00	25.90	24.49
0.00	0.00	0.00

0209_19.D S804B09V.M Fri Feb 18 15:33:46 2022

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 20.D Vial: 17
Acq On : 9 Feb 2022 3:35 pm Operator: 917
Sample : STD TCL 50K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:35 2022 Quant Results File: S804B09V.RES

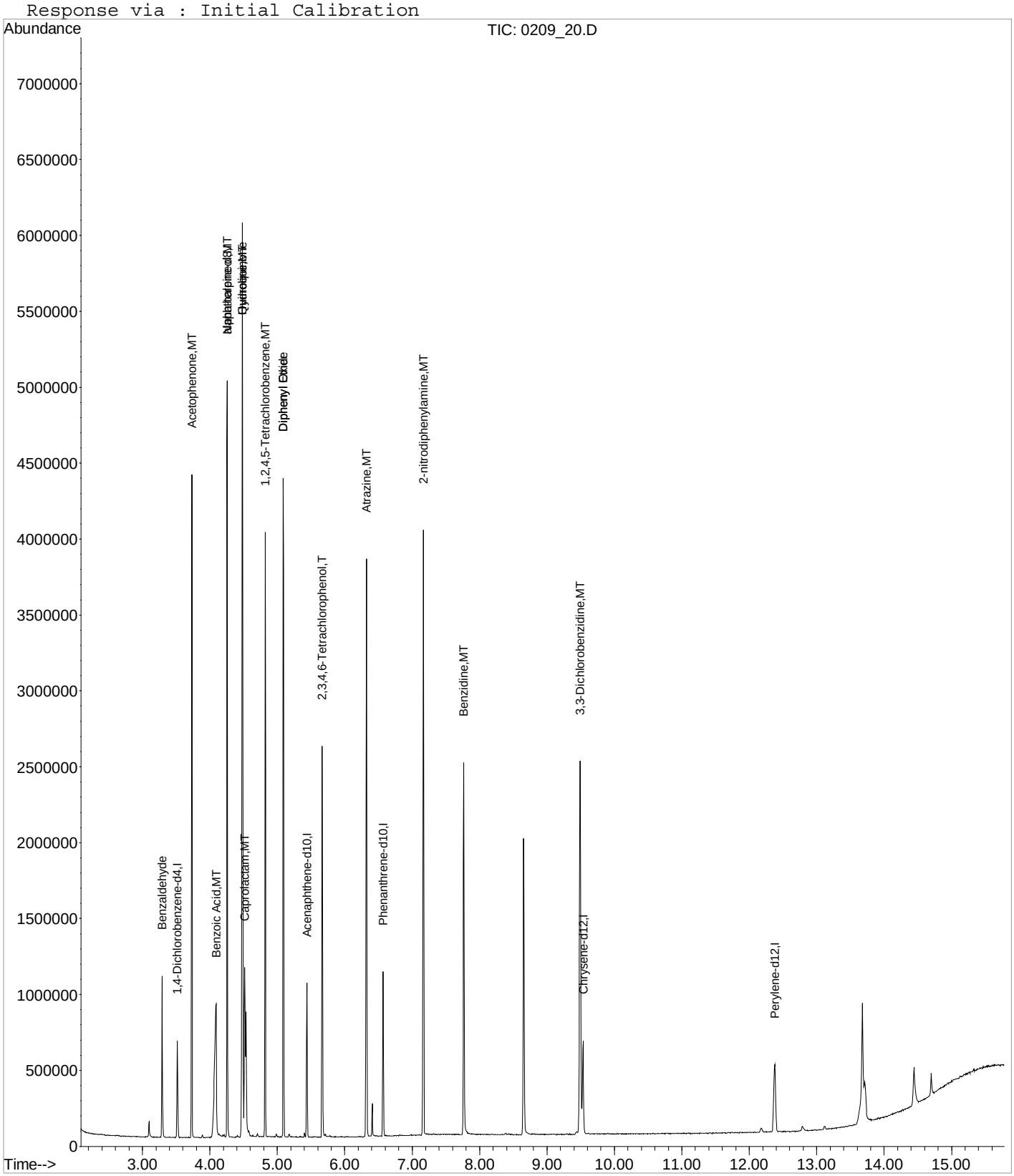
Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:34:26 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	83009	8000.00	ppb	0.00
23) Naphthalene-d8	4.26	136	544163	8000.00	ppb	0.00
46) Acenaphthene-d10	5.44	164	169785	8000.00	ppb	0.00
70) Phenanthrene-d10	6.57	188	322067	8000.00	ppb	0.00
84) Chrysene-d12	9.54	240	282788	8000.00	ppb	0.00
94) Perylene-d12	12.38	264	287879	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
7) Phenol-d5	0.00	99	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.00	82	0d	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.00	172	0d	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.00	244	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.29	105	183661	49745.1431448	ppb	99
22) Acetophenone	3.73	105	865298	50406.4769034	ppb	99
31) Benzoic Acid	4.09	105	430114	50870.0842217	ppb	99
33) alpha-terpineol	4.26	59	585384	37356.0327033	ppb	88
37) Hydroquinone	4.48	110	541268	43079.4928047	ppb	99
38) Quinoline	4.48	129	1284138	38348.1410544	ppb	98
39) Caprolactam	4.52	113	168983	45067.5402951	ppb	97
43) 1,2,4,5-Tetrachlorobenzene	4.82	216	553375	37374.5040763	ppb	99
44) Diphenyl Ether	5.09	170	805278	37702.3146356	ug/ml	99
45) Diphenyl Oxide	5.09	170	805278	37702.3146356	ug/ml	99
62) 2,3,4,6-Tetrachlorophenol	5.67	232	249561	51543.7801154	ppb	98
69) Atrazine	6.32	200	349005	50266.3324683	ppb	97
82) 2-nitrodiphenylamine	7.16	167	469250	59305.8856301	ppb #	100
85) Benzidine	7.77	184	954392	63756.2258960	ppb	100
89) 3,3-Dichlorobenzidine	9.49	252	753855	51780.4778435	ppb	99

(#) = qualifier out of range (m) = manual integration
0209_20.D S804B09V.M Fri Feb 18 15:37:53 2022

Data File : C:\MSDCHEM\1\DATA\020922\0209 20.D Vial: 17
Acq On : 9 Feb 2022 3:35 pm Operator: 917
Sample : STD TCL 50K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:35 2022 Quant Results File: S804B09V.RES

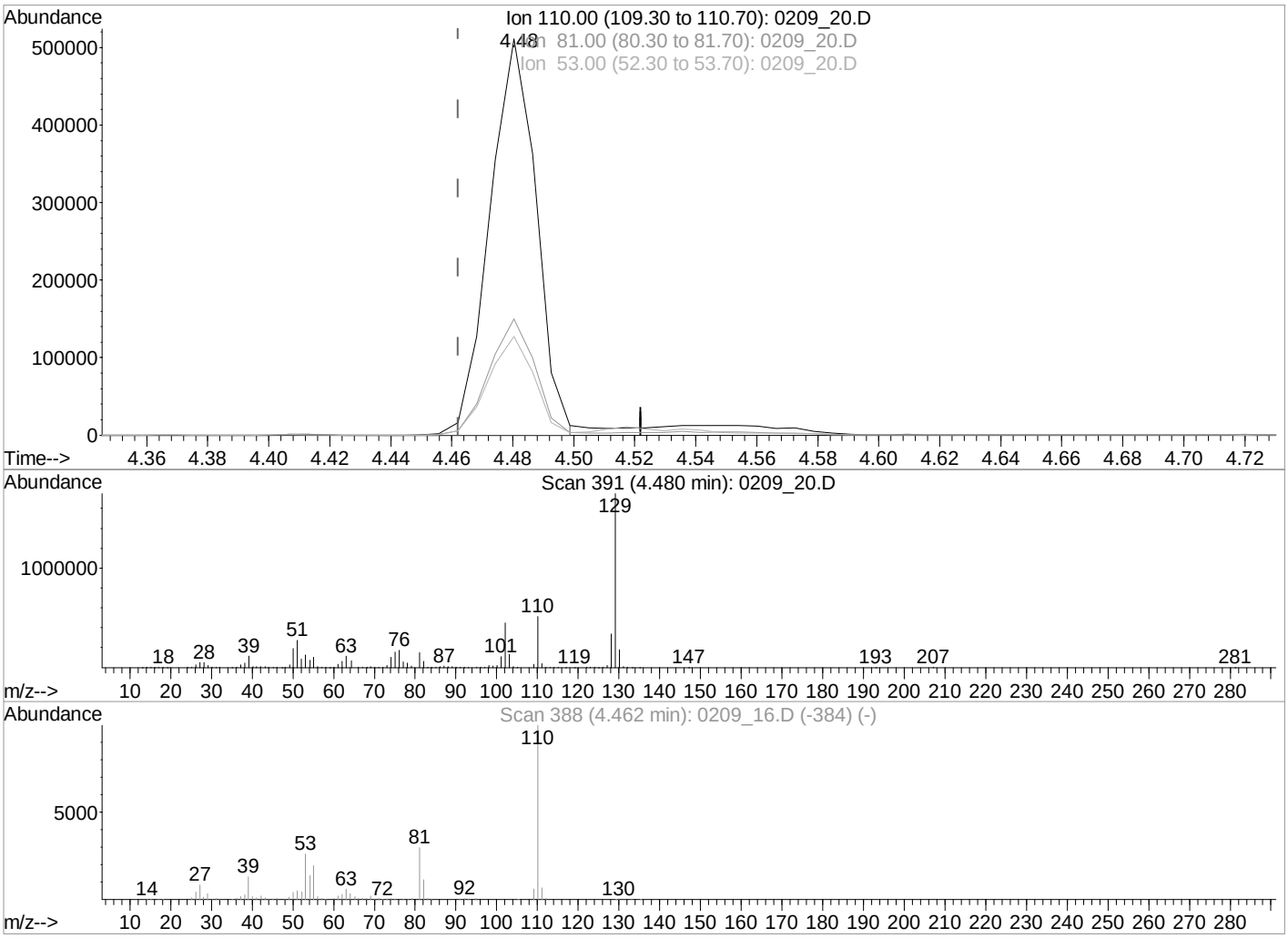
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:34:26 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 20.D Vial: 17
Acq On : 9 Feb 2022 3:35 pm Operator: 917
Sample : STD TCL 50K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 14:22 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 14:20:22 2022
Response via : Single Level Calibration



TIC: 0209_20.D

(37) Hydroquinone

4.48min (+0.018) 40935.8278868 ppb

Qvalue = 99

response 541268

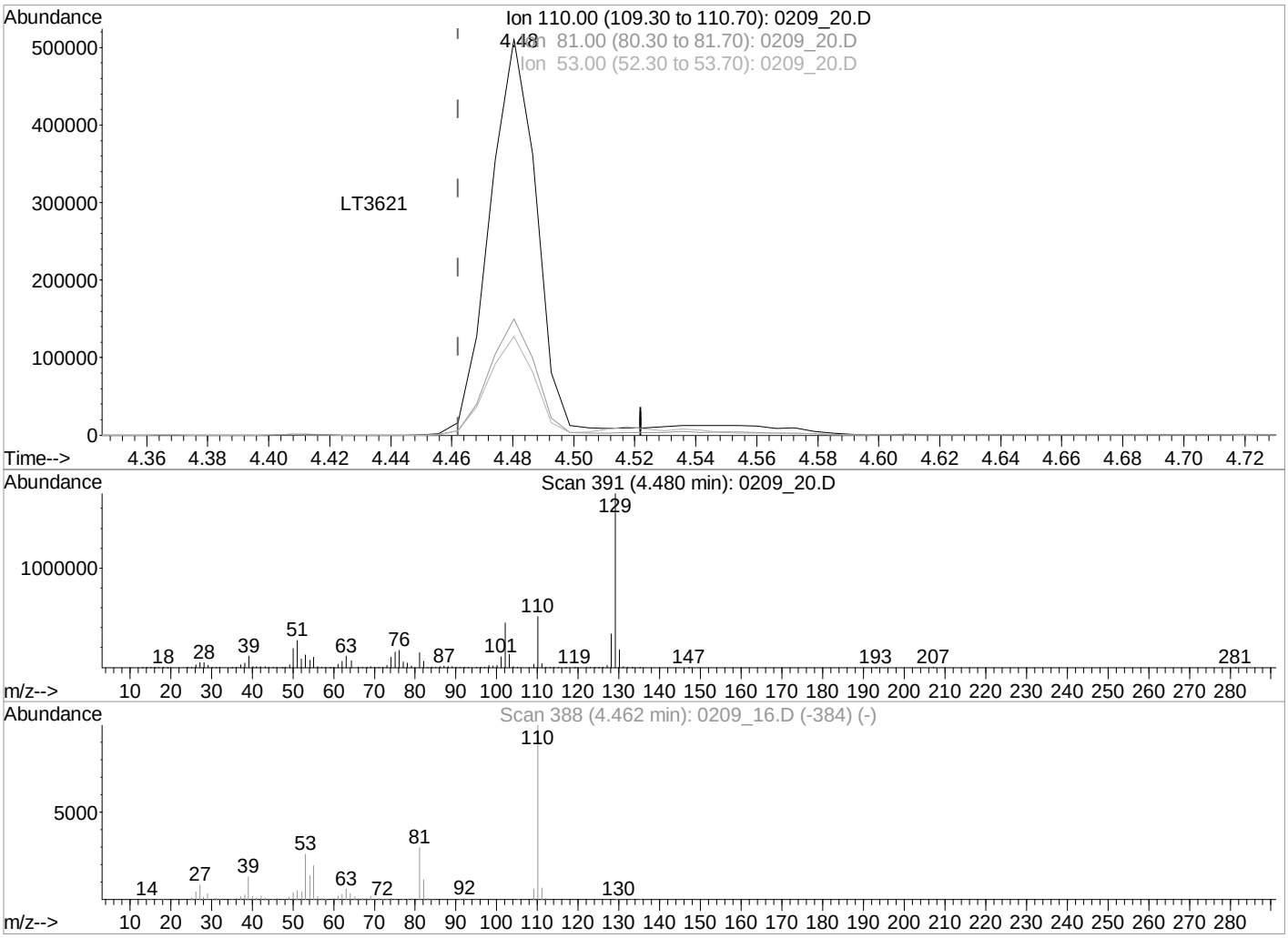
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	29.30
53.00	25.90	24.86
0.00	0.00	0.00

0209_20.D S804B09V.M Mon Feb 14 14:22:59 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 20.D Vial: 17
Acq On : 9 Feb 2022 3:35 pm Operator: 917
Sample : STD TCL 50K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 14:22 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Feb 14 14:20:22 2022
Response via : Single Level Calibration



TIC: 0209_20.D

(37) Hydroquinone

4.48min (+0.018) 40935.8278868 ppb

Qvalue = 99

response 541268

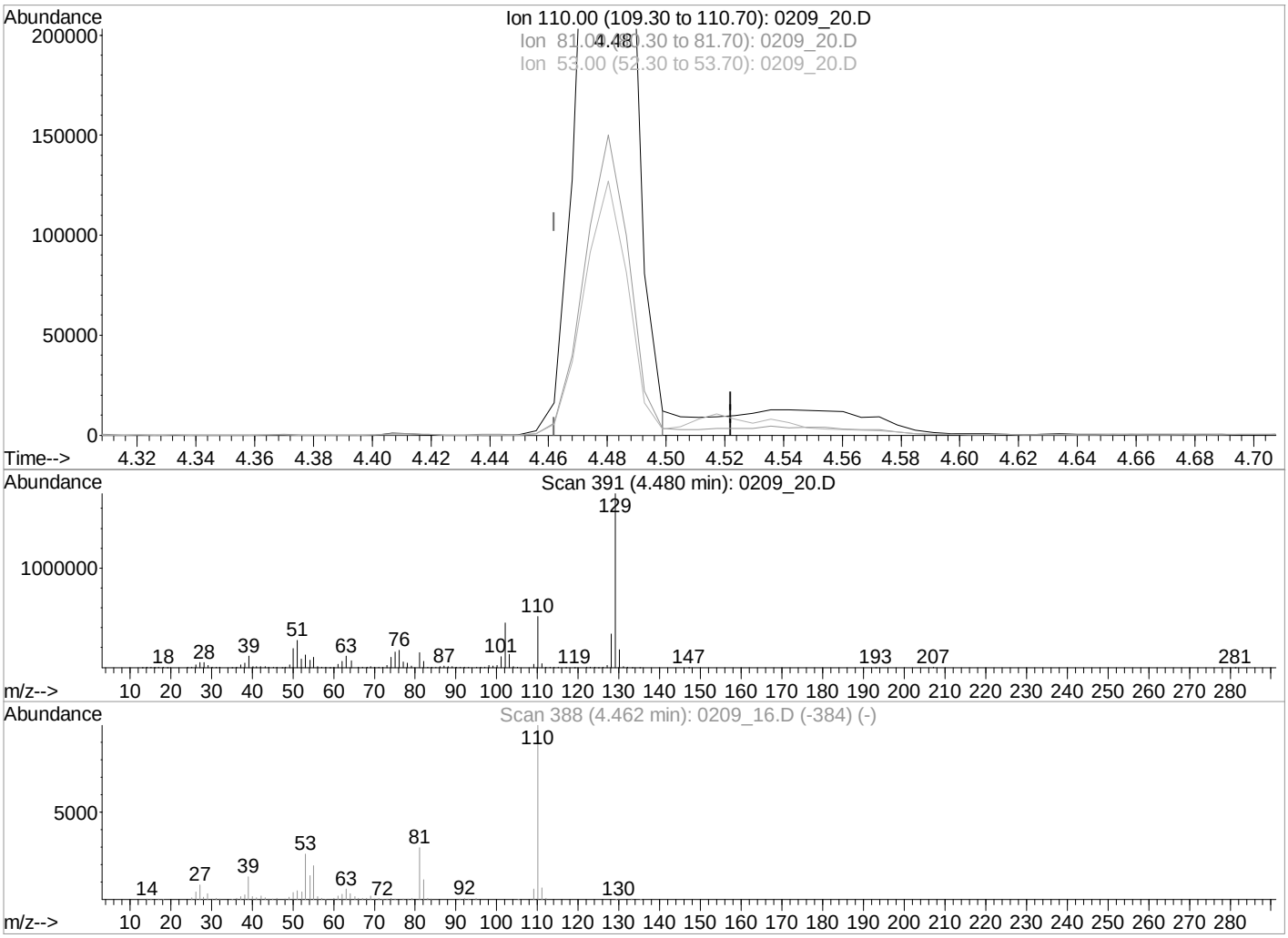
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	29.30
53.00	25.90	24.86
0.00	0.00	0.00

0209_20.D S804B09V.M Mon Feb 14 14:24:07 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 20.D Vial: 17
Acq On : 9 Feb 2022 3:35 pm Operator: 917
Sample : STD TCL 50K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:35 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:34:26 2022
Response via : Single Level Calibration



TIC: 0209_20.D

(37) Hydroquinone

4.48min (+0.018) 43079.4928047 ppb

Qvalue = 99

response 541268

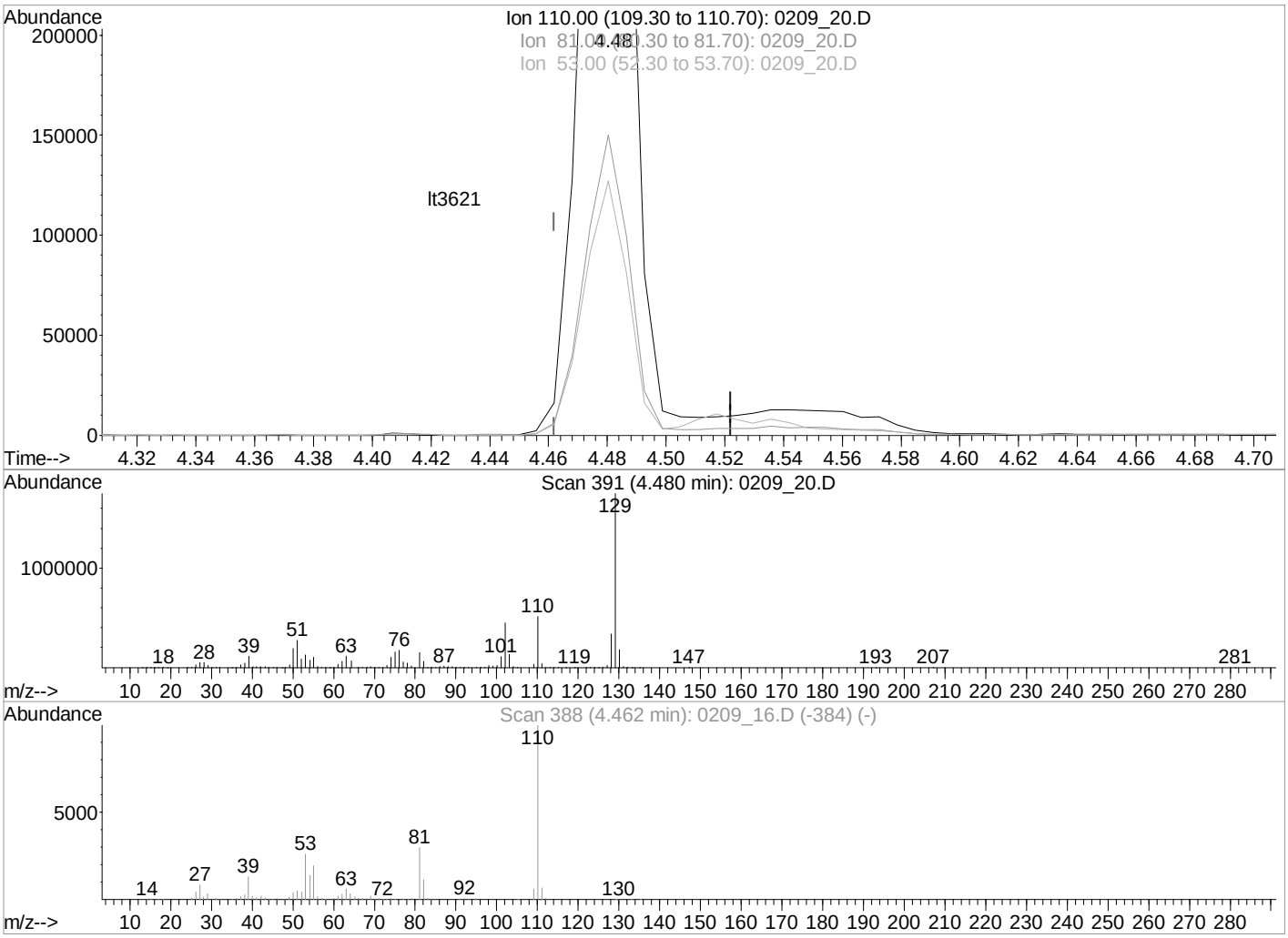
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	29.30
53.00	25.90	24.86
0.00	0.00	0.00

0209_20.D S804B09V.M Fri Feb 18 15:36:13 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 20.D Vial: 17
Acq On : 9 Feb 2022 3:35 pm Operator: 917
Sample : STD TCL 50K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 18 15:35 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 15:34:26 2022
Response via : Single Level Calibration



TIC: 0209_20.D

(37) Hydroquinone

4.48min (+0.018) 43079.4928047 ppb

Qvalue = 99

response 541268

Ion	Exp%	Act%
110.00	100	100
81.00	29.80	29.30
53.00	25.90	24.86
0.00	0.00	0.00

0209_20.D S804B09V.M Fri Feb 18 15:37:16 2022

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488800	**Calibration (begin) date/time:**	02/09/22 10:43
Instrument ID:	BNAMS4	**Calibration (end) date/time:**	02/09/22 15:35
Lab File ID:	0209_21	**Analysis date/time:**	02/09/22 15:56
Analytical Method:	8270E	**Sample ID:**	SSCV

Analyte	Avg. RRF	RRF	Min. RRF	Diff.	Max Diff.	True Value	Result	Result	Limits
				%	%	mg/l	mg/l	% Rec.	%
1-METHYLNAPHTHALENE	0.623837	0.62111570		0.4360		10	9.956	99.60	70 - 130
2-METHYLNAPHTHALENE	0.663826	0.63308330		4.63		10	9.537	95.40	70 - 130
3&4-METHYL PHENOL	1.350649	1.338996		0.8630		10	9.914	99.10	70 - 130
ACENAPHTHENE	1.170435	1.121669		4.17		10	9.583	95.80	70 - 130
ACENAPHTHYLENE	1.779211	1.817918		2.18		10	10.22	102	70 - 130
ANTHRACENE	1.065424	1.034061		2.94		10	9.706	97.10	70 - 130
BENZO(A)ANTHRACENE	1.151953	1.120667		2.72		10	9.728	97.30	70 - 130
BENZO(A)PYRENE	0.987052	1.048235		6.20		10	10.62	106	70 - 130
BENZO(B)FLUORANTHENE	1.139642	1.101573		3.34		10	9.666	96.70	70 - 130
BENZO(G,H,I)PERYLENE	1.009366	1.078476		6.85		10	10.68	107	70 - 130
BENZO(K)FLUORANTHENE	1.122546	1.114238		0.74		10	9.926	99.30	70 - 130
BIS(2-ETHYLHEXYL)PHTHALATE	0.724997	0.79033960		9.01		10	10.90	109	70 - 130
CARBAZOLE	0.972084	1.021167		5.05		10	10.50	105	70 - 130
CHRYSENE	1.116357	1.141252		2.23		10	10.22	102	70 - 130
DI-N-BUTYL PHTHALATE	1.138017	1.178124		3.52		10	10.35	104	70 - 130
DI-N-OCTYL PHTHALATE	1.204403	1.241811		3.11		10	10.31	103	70 - 130
DIBENZ(A,H)ANTHRACENE	1.033545	1.082655		4.75		10	10.48	105	70 - 130
DIBENZOFURAN	1.623192	1.575663		2.93		10	9.707	97.10	70 - 130
FLUORANTHENE	1.1182	1.053931		5.75		10	9.425	94.30	70 - 130
FLUORENE	1.316666	1.307861		0.6690		10	9.933	99.30	70 - 130
INDENO(1,2,3-CD)PYRENE	0.969769	1.039433		7.18		10	10.72	107	70 - 130
NAPHTHALENE	1.018747	1.008173		1.04		10	9.896	99	70 - 130
PENTACHLOROPHENOL	0.121187	0.14212140		17.30		10	11.73	117	70 - 130
PHENANTHRENE	1.052577	1.027167		2.41		10	9.759	97.60	70 - 130
PHENOL	1.643512	1.610572		2		10	9.800	98	70 - 130
PYRENE	1.287230	1.281216		0.4670		10	9.953	99.50	70 - 130
2,4,6-TRIBROMOPHENOL	0.090561	0.08983042		0.8070		10	9.919	99.20	70 - 130
2-FLUOROBIPHENYL	1.349543	1.323445		1.93		10	9.807	98.10	70 - 130
2-FLUOROPHENOL	1.299982	1.279613		1.57		10	9.843	98.40	70 - 130
NITROBENZENE-D5	0.339442	0.35322840		4.06		10	10.41	104	70 - 130
P-TERPHENYL-D14	1.093292	1.098755		0.50		10	10.05	101	70 - 130
PHENOL-D5	1.560263	1.524287		2.31		10	9.769	97.70	70 - 130

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 21.D Vial: 18
Acq On : 9 Feb 2022 3:56 pm Operator: 917
Sample : SSCV SVMS 10K PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 19 13:13 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 17:49:17 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	88915	8000.00 ppb	0.00
23) Naphthalene-d8	4.26	136	355224	8000.00 ppb	0.00
46) Acenaphthene-d10	5.44	164	184704	8000.00 ppb	0.00
70) Phenanthrene-d10	6.57	188	340250	8000.00 ppb	0.00
84) Chrysene-d12	9.54	240	293653	8000.00 ppb	0.00
94) Perylene-d12	12.38	264	310728	8000.00 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.84	112	142221	9843.3121001 ppb	0.00
Spiked Amount 666.000			Recovery	= 1477.97%	
7) Phenol-d5	3.28	99	169415	9769.4265067 ppb	0.00
Spiked Amount 666.000			Recovery	= 1466.88%	
24) Nitrobenzene-d5	3.82	82	156844	10406.1534584 ppb	0.00
Spiked Amount 333.000			Recovery	= 3124.97%	
50) 2-Fluorobiphenyl	4.95	172	305557	9806.6161349 ppb	0.00
Spiked Amount 333.000			Recovery	= 2944.93%	
73) 2,4,6-Tribromophenol	6.02	330	38206	9919.3409749 ppb	0.00
Spiked Amount 666.000			Recovery	= 1489.39%	
87) p-Terphenyl-d14	8.04	244	403316	10049.9749250 ppb	0.00
Spiked Amount 333.000			Recovery	= 3018.01%	
Target Compounds					Qvalue
2) Pyridine	2.29	79	157472	11446.0495914 ppb	90
3) N-Nitrosodimethylamine	2.28	42	68975	9340.9358063 ppb	87
5) Aniline	3.34	66	79389	9650.2197215 ppb	92
6) bis(2-Chloroethyl)ether	3.36	93	152062m	11899.7254383 ppb	
8) Phenol	3.29	94	179005	9799.5751289 ppb	98
10) 2-Chlorophenol	3.40	128	146262	10000.5197227 ppb	95
11) n-Decane	3.40	41	82952	9629.2271328 ppb	98
12) 1,3-Dichlorobenzene	3.49	146	164692	9959.1733450 ppb	95
13) 1,4-Dichlorobenzene	3.53	146	167144	9819.9981031 ppb	97
14) Benzyl Alcohol	3.57	79	113873	10066.8014240 ppb	99
15) 1,2-Dichlorobenzene	3.61	146	157389	10059.2311925 ppb	100
16) bis(2-Chloroisopropyl)ethe	3.65	121	53196	9935.6902402 ppb	64
17) 2,2-oxybis(1-chloropropane	3.65	121	53196	9935.6902402 ppb	64
18) 2-Methylphenol	3.62	108	133745	10120.0527818 ppb	98
19) Hexachloroethane	3.80	117	62812	10166.1307570 ppb	99
20) N-Nitrosodi-n-propylamine	3.72	70	98111	10158.5564450 ppb	96
21) 3&4-Methyl phenol	3.70	107	148821	9913.7205681 ppb	99
25) Nitrobenzene	3.83	77	149817	10165.9220817 ppb	94
26) Isophorone	3.96	82	260097	9838.5361753 ppb	95
27) 2-Nitrophenol	4.01	139	75876	10214.9836033 ppb #	76
28) 2,4-Dimethylphenol	4.01	107	139227	10092.5405476 ppb	98
29) bis(2-Chlorethoxy)methane	4.08	93	172239	10189.7011915 ppb	95
30) 2,4-Dichlorophenol	4.15	162	116228	10001.3018153 ppb	94
32) 1,2,4-Trichlorobenzene	4.22	180	126978	9761.1362823 ppb	99
34) Naphthalene	4.27	128	447659	9896.2058674 ppb	99
35) 4-Chloroaniline	4.28	65	50393	9587.7463840 ppb	95
36) Hexachloro-1,3-butadiene	4.33	225	78373	11043.8206612 ppb	98
40) 4-Chloro-3-methylphenol	4.57	107	115951	9898.0134487 ppb	92
41) 2-Methylnaphthalene	4.71	142	281108	9536.8809357 ppb	100
42) 1-Methylnaphthalene	4.78	142	275794	9956.3737843 ppb	100
47) Hexachlorocyclopentadiene	4.81	237	69461	8026.8498870 ppb	97
48) 2,4,6-Trichlorophenol	4.89	196	77627	9689.8796793 ppb	95
49) 2,4,5-Trichlorophenol	4.91	196	82579	9904.7566201 ppb	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 21.D Vial: 18
Acq On : 9 Feb 2022 3:56 pm Operator: 917
Sample : SSCV SVMS 10K PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 19 13:13 2022 Quant Results File: S804B09V.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 17:49:17 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

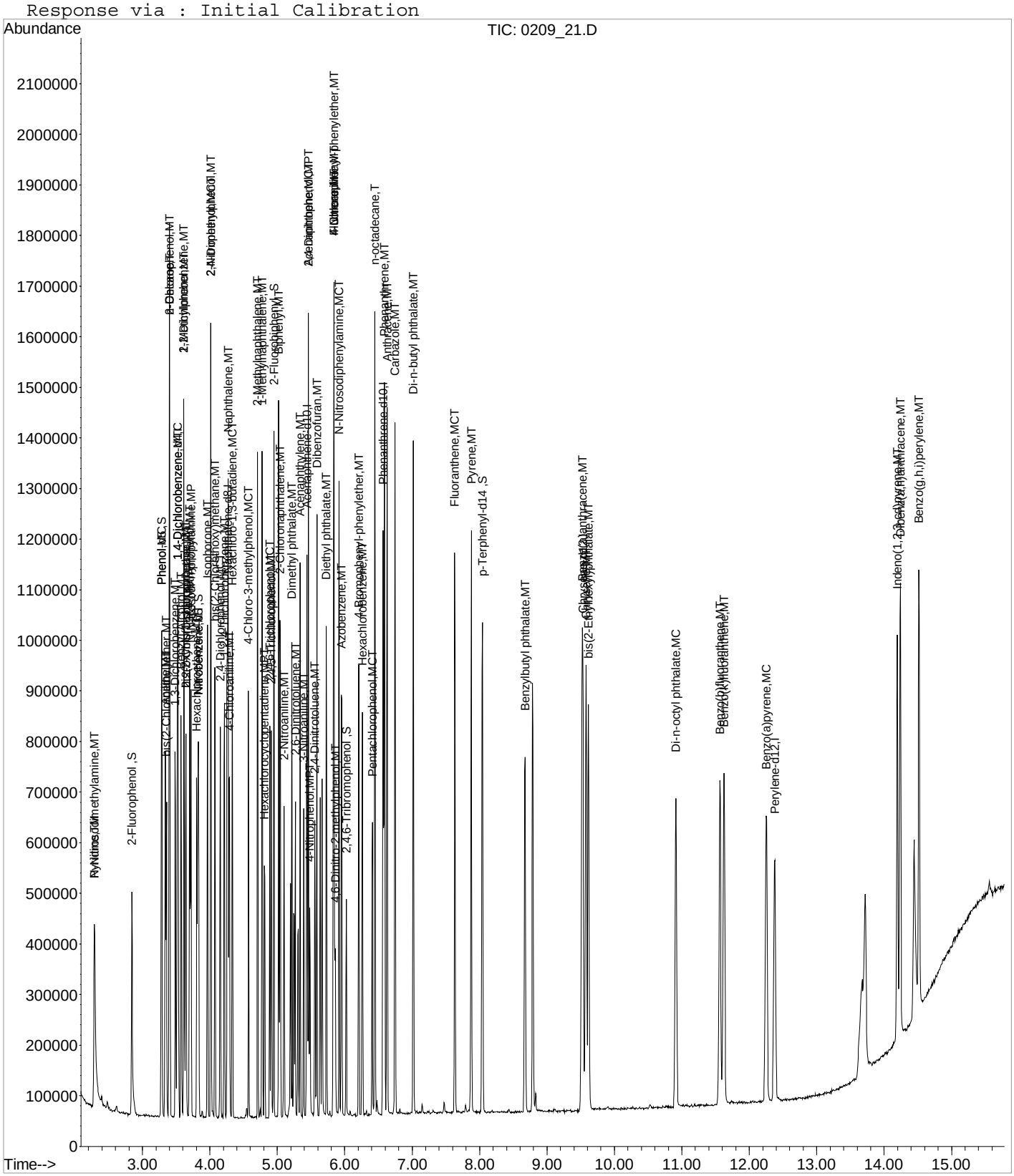
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
51)	Biphenyl	5.02	154	339927	9824.7030690 ppb		100
52)	2-Chloronaphthalene	5.05	162	263674	9985.7067521 ppb		97
53)	2-Nitroaniline	5.10	138	85461	10441.1102055 ppb		99
54)	Acenaphthylene	5.34	152	419721	10217.5539048 ppb		99
55)	Dimethyl phthalate	5.22	163	271177	9912.7354425 ppb		96
56)	2,6-Dinitrotoluene	5.27	165	66568	10495.3544301 ppb		96
57)	3-Nitroaniline	5.39	138	71255	10434.3274272 ppb		94
58)	Acenaphthene	5.46	153	258971	9583.3554787 ppb		98
59)	2,4-Dinitrophenol	5.46	184	32249	9366.7731553 ppb	#	41
60)	Dibenzofuran	5.59	168	363789	9707.1874050 ppb		99
61)	2,4-Dinitrotoluene	5.56	165	83714	10539.5845559 ppb		88
63)	4-Nitrophenol	5.48	139	57927	10269.5341891 ppb		86
64)	Fluorene	5.84	166	301959	9933.1298206 ppb		99
65)	4-Chlorophenyl-phenylether	5.83	204	140076	9716.6624786 ppb		96
66)	Diethyl phthalate	5.73	149	278249	9927.9939388 ppb		99
67)	4-Nitroaniline	5.84	138	71180	11128.8378074 ppb		100
68)	Azobenzene	5.95	77	286668	10253.9212561 ppb		99
71)	4,6-Dinitro-2-methylphenol	5.86	198	41701	9106.4716264 ppb		91
72)	N-Nitrosodiphenylamine	5.92	169	255428	9879.1219938 ppb		99
74)	4-Bromophenyl-phenylether	6.21	248	81712	9737.7454867 ppb		90
75)	Hexachlorobenzene	6.26	284	87977	9422.4970036 ppb		97
76)	n-octadecane	6.45	55	48997	9411.5588818 ppb		98
77)	Pentachlorophenol	6.41	266	60446	11727.4301888 ppb		97
78)	Phenanthrene	6.59	178	436867	9758.5964787 ppb		98
79)	Anthracene	6.63	178	439799	9705.6272941 ppb		99
80)	Carbazole	6.75	167	434315	10504.9193533 ppb		99
81)	Di-n-butyl phthalate	7.02	149	501071	10352.4273975 ppb		99
83)	Fluoranthene	7.63	202	448250	9425.2443016 ppb		99
86)	Pyrene	7.88	202	470291	9953.2786119 ppb		99
88)	Benzylbutyl phthalate	8.68	149	199983	10350.8994468 ppb		96
90)	Benzo(a)anthracene	9.52	228	411359	9728.4110603 ppb		99
91)	Chrysene	9.58	228	418915	10222.9958461 ppb		99
92)	bis(2-Ethylhexyl)phthalate	9.62	149	290107	10901.2883412 ppb		99
93)	Di-n-octyl phthalate	10.91	149	455827	10310.5936140 ppb		100
95)	Benzo(b)fluoranthene	11.56	252	427862	9665.9587742 ppb		99
96)	Benzo(k)fluoranthene	11.62	252	432781	9925.9826493 ppb		98
97)	Benzo(a)pyrene	12.26	252	407145	10619.8621200 ppb		98
98)	Indeno(1,2,3-cd)pyrene	14.20	276	403726	10718.3514750 ppb		98
99)	Dibenz(a,h)anthracene	14.24	278	420514	10475.1647908 ppb		98
100)	Benzo(g,h,i)perylene	14.52	276	418891	10684.6875266 ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 21.D Vial: 18
Acq On : 9 Feb 2022 3:56 pm Operator: 917
Sample : SSCV SVMS 10K PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 19 13:13 2022 Quant Results File: S804B09V.RES

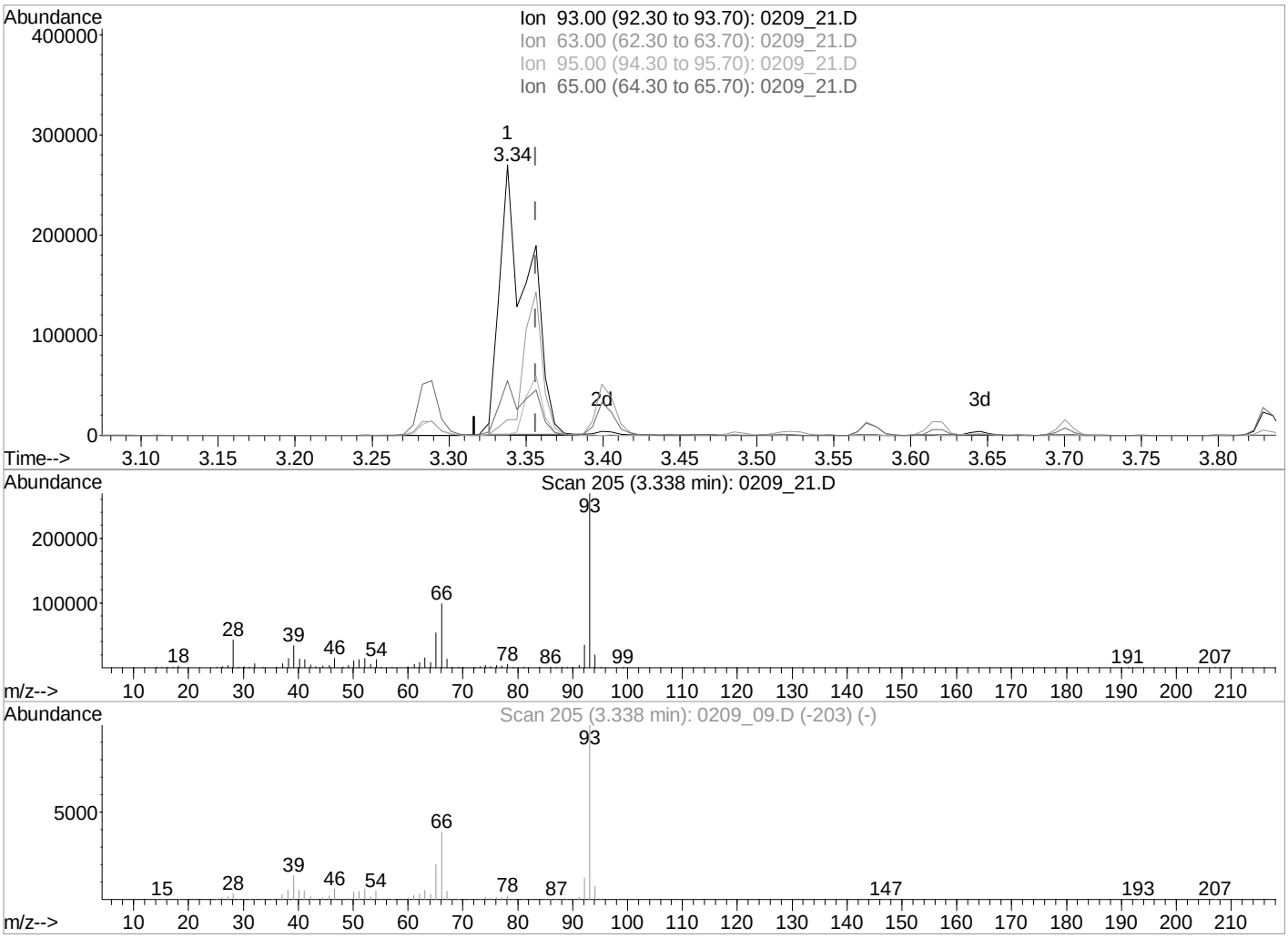
Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 17:49:17 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 21.D Vial: 18
Acq On : 9 Feb 2022 3:56 pm Operator: 917
Sample : SSCV SVMS 10K PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 19 13:13 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 17:49:17 2022
Response via : Multiple Level Calibration



TIC: 0209_21.D

(6) bis(2-Chloroethyl)ether (MT)

3.34min (-0.018) 26968.5738731 ppb

Qvalue = 37

response 344621

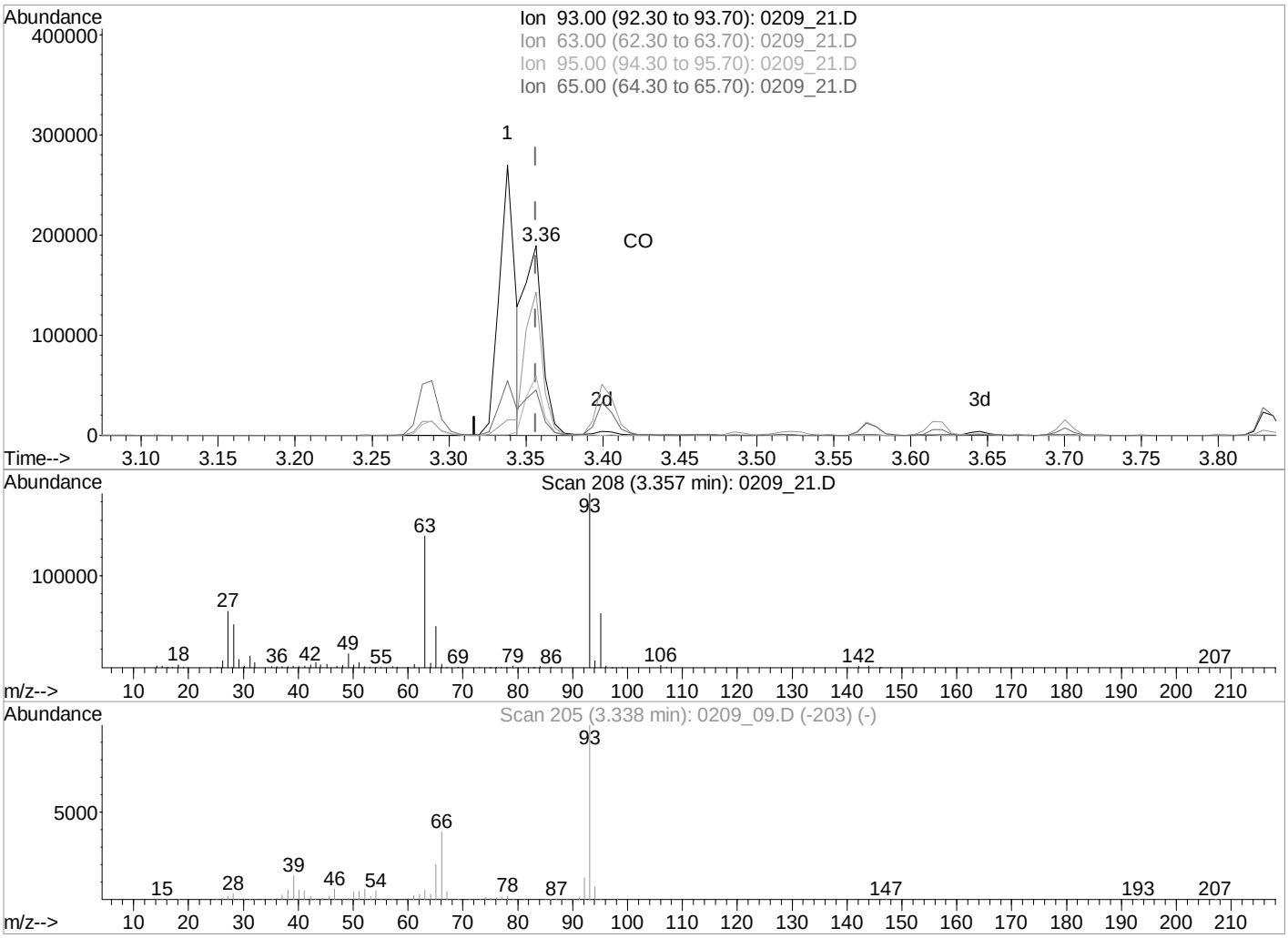
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	5.32#
95.00	30.20	0.19#
65.00	24.00	19.88

0209_21.D S804B09V.M Sat Feb 19 13:13:40 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 21.D Vial: 18
Acq On : 9 Feb 2022 3:56 pm Operator: 917
Sample : SSCV SVMS 10K PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 19 13:13 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 17:49:17 2022
Response via : Multiple Level Calibration



TIC: 0209_21.D

(6) bis(2-Chloroethyl)ether (MT)

3.36min (+0.000) 11899.7254383 ppb m

response 152062

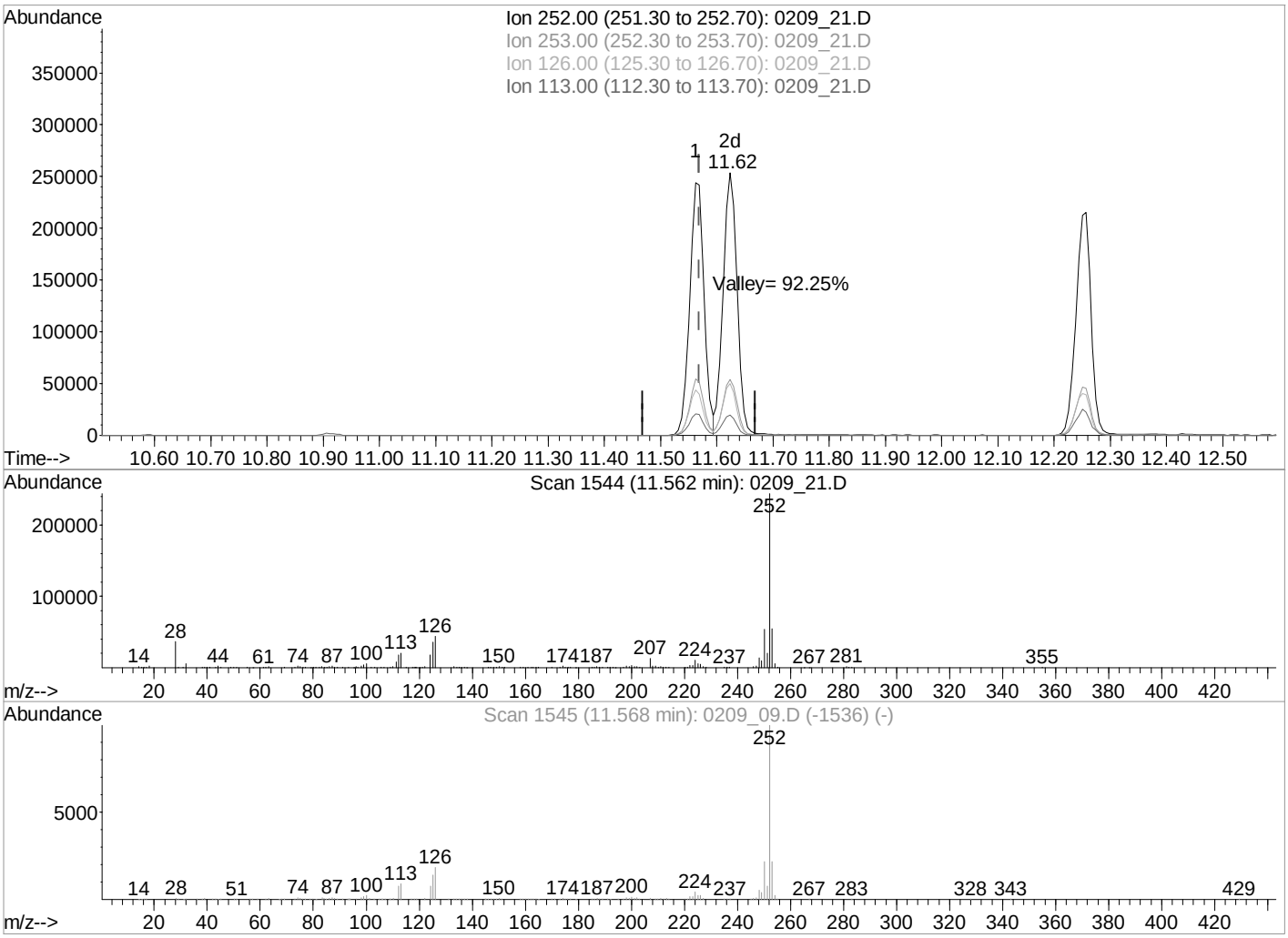
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	75.41
95.00	30.20	31.11
65.00	24.00	23.78

0209_21.D S804B09V.M Sat Feb 19 13:13:49 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\020922\0209 21.D Vial: 18
Acq On : 9 Feb 2022 3:56 pm Operator: 917
Sample : SSCV SVMS 10K PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 19 13:13 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 17:49:17 2022
Response via : Multiple Level Calibration



TIC: 0209_21.D

(95) Benzo(b)fluoranthene (MT)

11.56min (-0.006) 9665.9587742 ppb

Qvalue = 99

response 427862

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	22.19
126.00	18.30	17.93
113.00	8.80	8.37

0209_21.D S804B09V.M Sat Feb 19 13:14:45 2022

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488800	**Calibration (begin) date/time:**	02/09/22 10:43
Instrument ID:	BNAMS4	**Calibration (end) date/time:**	02/09/22 15:35
Lab File ID:	0209_22	**Analysis date/time:**	02/09/22 16:16
Analytical Method:	8270E	**Sample ID:**	SSCV

Analyte	Avg. RRF	RRF	Min. RRF	Diff.	Max Diff.	True Value	Result	Result	Limits
				%	*%*	*mg/l*	*mg/l*	*% Rec.*	*%*
BENZOIC ACID	0.130890	0.11422550		12.70		10	8.727	87.30	70 - 130

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020922\0209 22.D Vial: 19
Acq On : 9 Feb 2022 4:16 pm Operator: 917
Sample : SSCV TCL 10K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 19 13:15 2022 Quant Results File: S804B09V.RES

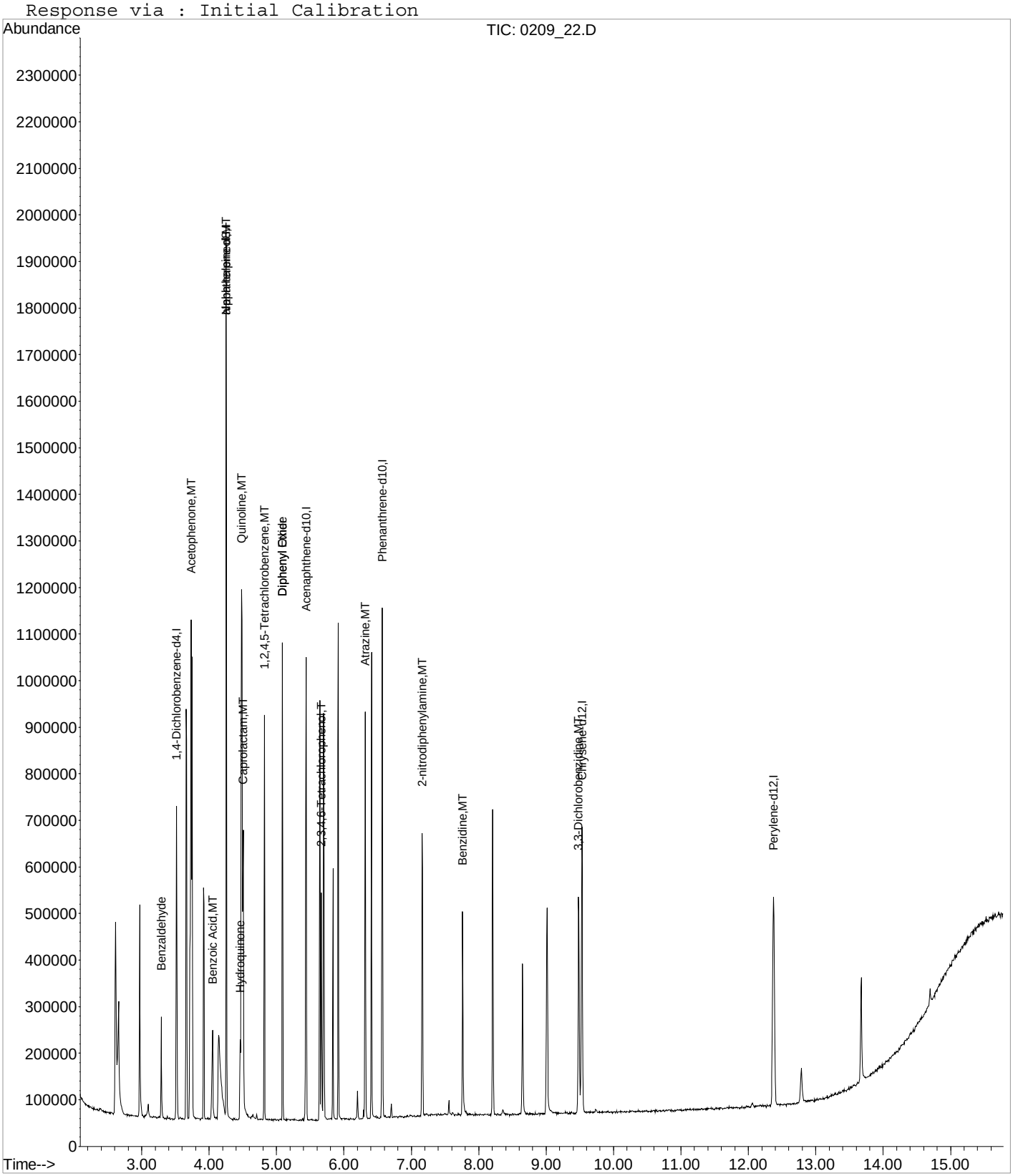
Quant Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 17:49:17 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.52	152	85079	8000.00	ppb	0.00
23) Naphthalene-d8	4.25	136	383109	8000.00	ppb	0.00
46) Acenaphthene-d10	5.44	164	171657	8000.00	ppb	0.00
70) Phenanthrene-d10	6.57	188	322325	8000.00	ppb	0.00
84) Chrysene-d12	9.53	240	279649	8000.00	ppb	0.00
94) Perylene-d12	12.37	264	289195	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
7) Phenol-d5	0.00	99	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.00	82	0d	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.00	172	0d	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.0000000	ppb	
Spiked Amount 666.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.00	244	0	0.0000000	ppb	
Spiked Amount 333.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.29	105	37078	9798.3476806	ppb	95
22) Acetophenone	3.73	105	170064	9665.7562550	ppb #	83
31) Benzoic Acid	4.05	105	54701	8726.7995983	ppb	99
33) alpha-terpineol	4.25	59	122109	10160.5025665	ppb	99
37) Hydroquinone	4.46	110	38203	4269.0301296	ppb	96
38) Quinoline	4.48	129	266786	10450.3090905	ppb	100
39) Caprolactam	4.50	113	34287	12988.4396711	ppb #	51
43) 1,2,4,5-Tetrachlorobenzene	4.82	216	109368	10665.4487633	ppb	98
44) Diphenyl Ether	5.09	170	160063	9785.0929631	ug/ml	99
45) Diphenyl Oxide	5.09	170	160063	9785.0929631	ug/ml	99
62) 2,3,4,6-Tetrachlorophenol	5.67	232	44534	9097.6464207	ppb	97
69) Atrazine	6.32	200	72810	10372.2835887	ppb	98
82) 2-nitrodiphenylamine	7.16	167	77558	9540.6082926	ppb #	100
85) Benzidine	7.76	184	172118	10413.7591707	ppb	99
89) 3,3-Dichlorobenzidine	9.48	252	141066	9798.2449383	ppb	99

(#) = qualifier out of range (m) = manual integration
0209_22.D S804B09V.M Sat Feb 19 13:16:13 2022 Page 1

Data File : C:\MSDCHEM\1\DATA\020922\0209 22.D Vial: 19
Acq On : 9 Feb 2022 4:16 pm Operator: 917
Sample : SSCV TCL 10K1 PPB 22B06091 exp. 07/15/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22A26810 exp. 07/26/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 19 13:15 2022 Quant Results File: S804B09V.RES

Method : C:\MSDCHEM\1\METHODS\S804B09V.M (RTE Integrator)
Title : 8270 BNA
Last Update : Fri Feb 18 17:49:17 2022
Response via : Initial Calibration



7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488800	**Calibration (begin) date/time:**	02/09/22 10:43
Instrument ID:	BNAMS4	**Calibration (end) date/time:**	02/09/22 15:35
Lab File ID:	0511_03	**Analysis date/time:**	05/11/22 05:55
Analytical Method:	8270E	**Sample ID:**	ICV

Analyte	Avg. RRF	RRF	Min. RRF	Diff.	Max Diff.	True Value	Result	Result	Limits
				%	%	mg/l	mg/l	% Rec.	%
1-METHYLNAPHTHALENE	0.623837	0.60131740		3.61	20	10	9.639	96.40	
2-METHYLNAPHTHALENE	0.663826	0.64331580	0.40	3.09	20	10	9.691	96.90	
3&4-METHYL PHENOL	1.350649	1.495482	0.60	10.70	20	10	11.07	111	
ACENAPHTHENE	1.170435	1.194765	0.90	2.08	20	10	10.21	102	
ACENAPHTHYLENE	1.779211	1.784257	0.90	0.2840	20	10	10.03	100	
ANTHRACENE	1.065424	1.011132	0.70	5.10	20	10	9.490	94.90	
BENZO(A)ANTHRACENE	1.151953	1.104482	0.80	4.12	20	10	9.588	95.90	
BENZO(A)PYRENE	0.987052	0.89542460	0.70	9.28	20	10	9.072	90.70	
BENZO(B)FLUORANTHENE	1.139642	1.019126	0.70	10.60	20	10	8.943	89.40	
BENZO(G,H,I)PERYLENE	1.009366	0.99729050	0.50	1.20	20	10	9.880	98.80	
BENZO(K)FLUORANTHENE	1.122546	1.059329	0.70	5.63	20	10	9.437	94.40	
BIS(2-ETHYLHEXYL)PHTHALATE	0.724997	0.78434520	0.01	8.19	20	10	10.82	108	
CARBAZOLE	0.972084	0.92495860	0.01	4.85	20	10	9.515	95.20	
CHRYSENE	1.116357	1.106370	0.70	0.8950	20	10	9.911	99.10	
DI-N-BUTYL PHTHALATE	1.138017	1.159494	0.01	1.89	20	10	10.19	102	
DI-N-OCTYL PHTHALATE	1.204403	1.185023	0.01	1.61	20	10	9.839	98.40	
DIBENZ(A,H)ANTHRACENE	1.033545	0.98779920	0.40	4.43	20	10	9.557	95.60	
DIBENZOFURAN	1.623192	1.595223	0.80	1.72	20	10	9.828	98.30	
FLUORANTHENE	1.1182	1.048224	0.60	6.26	20	10	9.374	93.70	
FLUORENE	1.316666	1.336466	0.90	1.50	20	10	10.15	102	
INDENO(1,2,3-CD)PYRENE	0.969769	0.84691830	0.50	12.70	20	10	8.733	87.30	
NAPHTHALENE	1.018747	0.99702880	0.70	2.13	20	10	9.787	97.90	
PENTACHLOROPHENOL	0.121187	0.10913370	0.05	9.95	20	10	9.005	90.10	
PHENANTHRENE	1.052577	1.033961	0.70	1.77	20	10	9.823	98.20	
PHENOL	1.643512	1.772450	0.80	7.85	20	10	10.78	108	
PYRENE	1.287230	1.247561	0.60	3.08	20	10	9.692	96.90	
2,4,6-TRIBROMOPHENOL	0.090561	0.09616839		6.19	20	10	10.62	106	70 - 130
2-FLUOROBIPHENYL	1.349543	1.375489		1.92	20	10	10.19	102	70 - 130
2-FLUOROPHENOL	1.299982	1.342250		3.25	20	10	10.33	103	70 - 130
NITROBENZENE-D5	0.339442	0.39351680		15.90	20	10	11.59	116	70 - 130
P-TERPHENYL-D14	1.093292	1.109067		1.44	20	10	10.14	101	70 - 130
PHENOL-D5	1.560263	1.679236		7.63	20	10	10.76	108	70 - 130

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051122\0511 03.D Vial: 3
Acq On : 11 May 2022 5:55 am Operator: 3545
Sample : ICVmsc SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 8:32 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	56197	8000.00	ppb		0.00
23) Naphthalene-d8	3.98	136	230752	8000.00	ppb		0.00
46) Acenaphthene-d10	5.15	164	116381	8000.00	ppb		0.00
70) Phenanthrene-d10	6.26	188	231078	8000.00	ppb		0.00
84) Chrysene-d12	9.00	240	198380	8000.00	ppb		0.00
94) Perylene-d12	11.66	264	215609	8000.00	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.58	112	94288	10325.1376943	ppb		0.00
Spiked Amount 20000.000			Recovery = 51.63%				
7) Phenol-d5	3.03	99	117960	10762.5176021	ppb		0.00
Spiked Amount 20000.000			Recovery = 53.81%				
24) Nitrobenzene-d5	3.56	82	113506m	11593.0567595	ppb		0.00
Spiked Amount 10000.000			Recovery = 115.93%				
50) 2-Fluorobiphenyl	4.67	172	200101	10192.2581191	ppb		0.00
Spiked Amount 10000.000			Recovery = 101.92%				
73) 2,4,6-Tribromophenol	5.72	330	27778	10619.1989011	ppb		0.00
Spiked Amount 20000.000			Recovery = 53.10%				
87) p-Terphenyl-d14	7.65	244	275021	10144.2966273	ppb		0.00
Spiked Amount 10000.000			Recovery = 101.44%				
Target Compounds							Qvalue
2) Pyridine	1.99	79	109244	12563.5326948	ppb		91
3) N-Nitrosodimethylamine	1.98	42	65264	13984.0918288	ppb		97
5) Aniline	3.08	66	60151	11568.6217853	ppb	#	30
6) bis(2-Chloroethyl)ether	3.09	93	100833	12484.7782286	ppb		98
8) Phenol	3.04	94	124508	10784.5304923	ppb		90
10) 2-Chlorophenol	3.14	128	95191	10297.9043349	ppb		97
11) n-Decane	3.14	41	70122	12878.9591209	ppb		100
12) 1,3-Dichlorobenzene	3.22	146	105602	10103.8021228	ppb		92
13) 1,4-Dichlorobenzene	3.26	146	109515	10180.1955641	ppb		93
14) Benzyl Alcohol	3.32	79	70455	9854.7238653	ppb		96
15) 1,2-Dichlorobenzene	3.35	146	104159	10532.9280186	ppb		93
16) bis(2-Chloroisopropyl)ethe	3.38	121	33196	9809.9483928	ppb	#	29
17) 2,2-oxybis(1-chloropropane	3.38	121	33196	9809.9483928	ppb	#	29
18) 2-Methylphenol	3.37	108	89996	10774.3314207	ppb		94
19) Hexachloroethane	3.54	117	45753	11716.4095984	ppb		98
20) N-Nitrosodi-n-propylamine	3.46	70	74447	12196.1680047	ppb		96
21) 3&4-Methyl phenol	3.45	107	105052	11072.3213300	ppb		93
25) Nitrobenzene	3.57	77	113145	11818.9221924	ppb		95
26) Isophorone	3.70	82	203093	11826.2464499	ppb		99
27) 2-Nitrophenol	3.75	139	53015	10987.2457443	ppb		82
28) 2,4-Dimethylphenol	3.76	107	82683	9226.7783925	ppb		93
29) bis(2-Chlorethoxy)methane	3.82	93	118238	10768.2183879	ppb		99
30) 2,4-Dichlorophenol	3.89	162	75970	10063.3996805	ppb		95
32) 1,2,4-Trichlorobenzene	3.95	180	85748	10147.3518578	ppb		96
34) Naphthalene	4.00	128	287583	9786.8163148	ppb		98
35) 4-Chloroaniline	4.02	65	38351	11232.5883448	ppb	#	48
36) Hexachloro-1,3-butadiene	4.06	225	51852	11247.9975526	ppb		97
40) 4-Chloro-3-methylphenol	4.32	107	80299	10552.1390237	ppb		91
41) 2-Methylnaphthalene	4.43	142	185558	9691.0239027	ppb	#	95
42) 1-Methylnaphthalene	4.49	142	173444	9639.0112273	ppb	#	95
47) Hexachlorocyclopentadiene	4.53	237	42301	7757.9854411	ppb		95
48) 2,4,6-Trichlorophenol	4.61	196	52339	10368.7217152	ppb		92
49) 2,4,5-Trichlorophenol	4.64	196	53418	10168.4797724	ppb		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051122\0511 03.D Vial: 3
Acq On : 11 May 2022 5:55 am Operator: 3545
Sample : ICVmsc SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 8:32 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

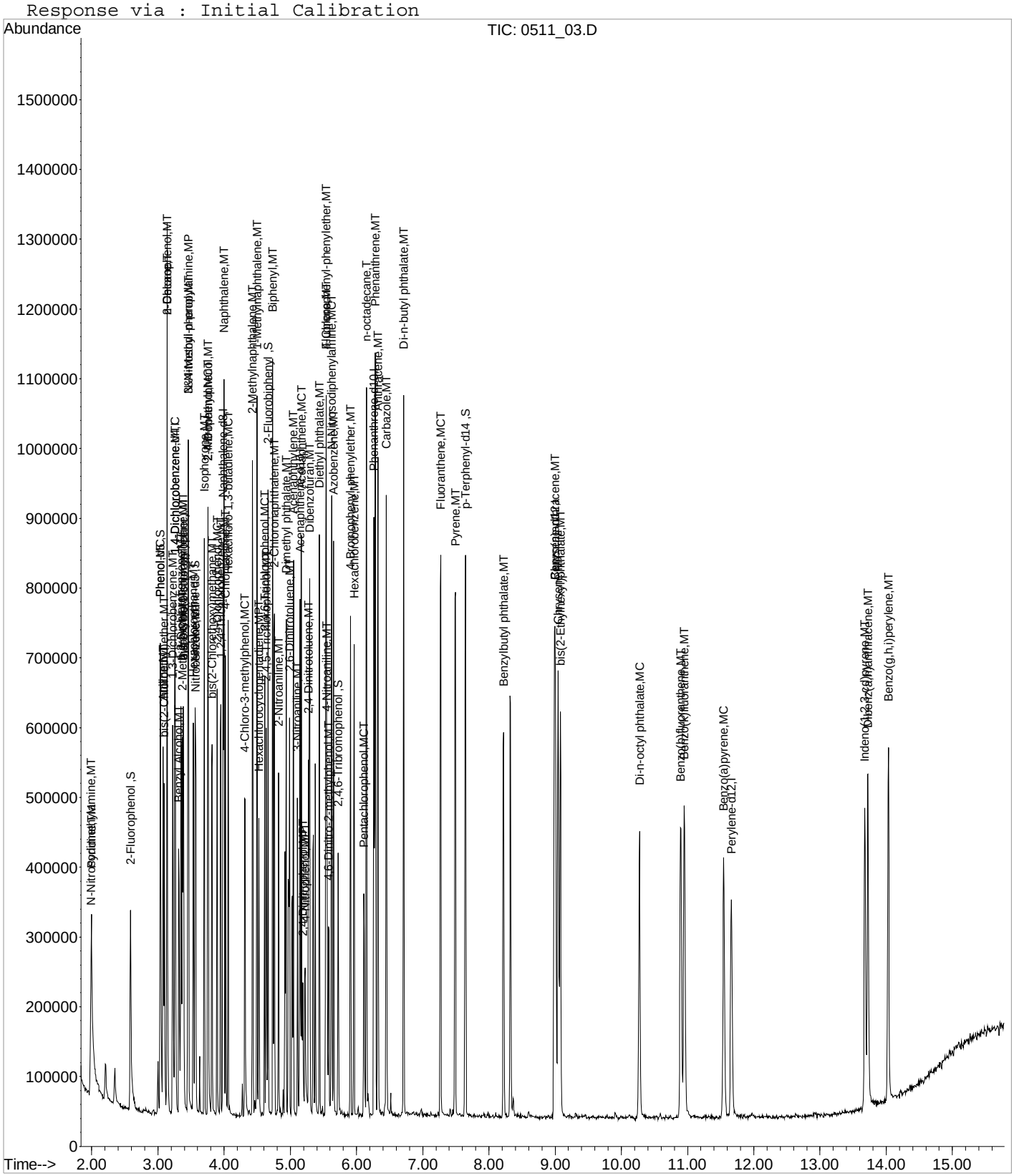
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
51)	Biphenyl	4.73	154	221262	10149.2703715 ppb		98
52)	2-Chloronaphthalene	4.76	162	166824	10026.8437409 ppb		97
53)	2-Nitroaniline	4.82	138	58530	11348.8393873 ppb	#	89
54)	Acenaphthylene	5.05	152	259567	10028.3603841 ppb		99
55)	Dimethyl phthalate	4.94	163	184165	10684.1992177 ppb		98
56)	2,6-Dinitrotoluene	4.99	165	44962	11250.4899971 ppb	#	80
57)	3-Nitroaniline	5.11	138	48013	11158.4064141 ppb		99
58)	Acenaphthene	5.17	153	173810	10207.8772702 ppb		95
59)	2,4-Dinitrophenol	5.19	184	19273	8911.4325767 ppb	#	1
60)	Dibenzofuran	5.29	168	232067	9827.6901465 ppb		92
61)	2,4-Dinitrotoluene	5.27	165	56915	11372.2488654 ppb	#	68
63)	4-Nitrophenol	5.23	139	32955	9272.2522923 ppb	#	78
64)	Fluorene	5.54	166	194424	10150.3781746 ppb		98
65)	4-Chlorophenyl-phenylether	5.53	204	92375	10169.5574300 ppb		91
66)	Diethyl phthalate	5.44	149	190550	10790.2389057 ppb		99
67)	4-Nitroaniline	5.56	138	50591	12553.3405165 ppb	#	79
68)	Azobenzene	5.66	77	224450	12741.6182016 ppb		91
71)	4,6-Dinitro-2-methylphenol	5.58	198	29553	9484.7285461 ppb		97
72)	N-Nitrosodiphenylamine	5.62	169	164076	9344.0346284 ppb		98
74)	4-Bromophenyl-phenylether	5.91	248	56530	9919.5300658 ppb		86
75)	Hexachlorobenzene	5.96	284	61947	9769.1476227 ppb		98
76)	n-octadecane	6.15	55	37125	10500.2120602 ppb		95
77)	Pentachlorophenol	6.11	266	31523	9005.3866750 ppb		92
78)	Phenanthrene	6.28	178	298657	9823.1404151 ppb		98
79)	Anthracene	6.32	178	292063	9490.4203386 ppb		99
80)	Carbazole	6.45	167	267172	9515.2098144 ppb		98
81)	Di-n-butyl phthalate	6.71	149	334917	10188.7205641 ppb		98
83)	Fluoranthene	7.27	202	302777	9374.2111820 ppb		99
86)	Pyrene	7.49	202	309364	9691.8308044 ppb		97
88)	Benzylbutyl phthalate	8.22	149	136883	10487.4784532 ppb		94
90)	Benzo(a)anthracene	8.99	228	273884	9587.9139433 ppb		98
91)	Chrysene	9.05	228	274352	9910.5318047 ppb		98
92)	bis(2-Ethylhexyl)phthalate	9.08	149	194498	10818.6062563 ppb		94
93)	Di-n-octyl phthalate	10.27	149	293856	9839.0856757 ppb		97
95)	Benzo(b)fluoranthene	10.90	252	274666	8942.5140030 ppb		96
96)	Benzo(k)fluoranthene	10.95	252	285501	9436.8372202 ppb		94
97)	Benzo(a)pyrene	11.55	252	241327	9071.7106796 ppb		96
98)	Indeno(1,2,3-cd)pyrene	13.68	276	228254	8733.1953880 ppb		97
99)	Dibenz(a,h)anthracene	13.73	278	266223	9557.3938271 ppb		93
100)	Benzo(g,h,i)perylene	14.03	276	268781	9880.3622124 ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051122\0511 03.D Vial: 3
Acq On : 11 May 2022 5:55 am Operator: 3545
Sample : ICVmsc SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 8:32 2022 Quant Results File: S804E04BV.RES

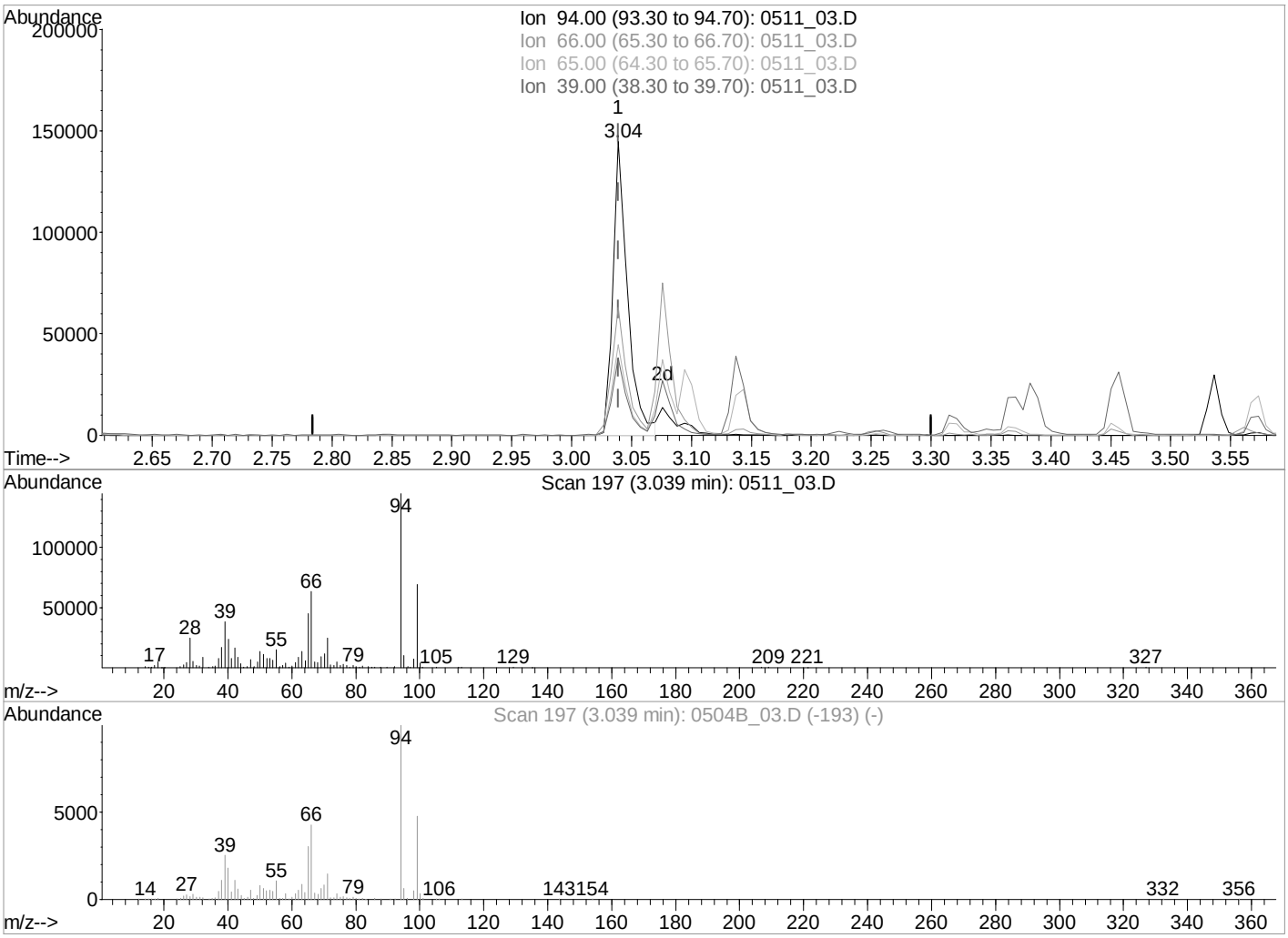
Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 03.D Vial: 3
Acq On : 11 May 2022 5:55 am Operator: 3545
Sample : ICVmsc SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 8:31 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0511_03.D

(8) Phenol (MC)

3.04min (-0.000) 10784.5304923 ppb

Qvalue = 90

response 124508

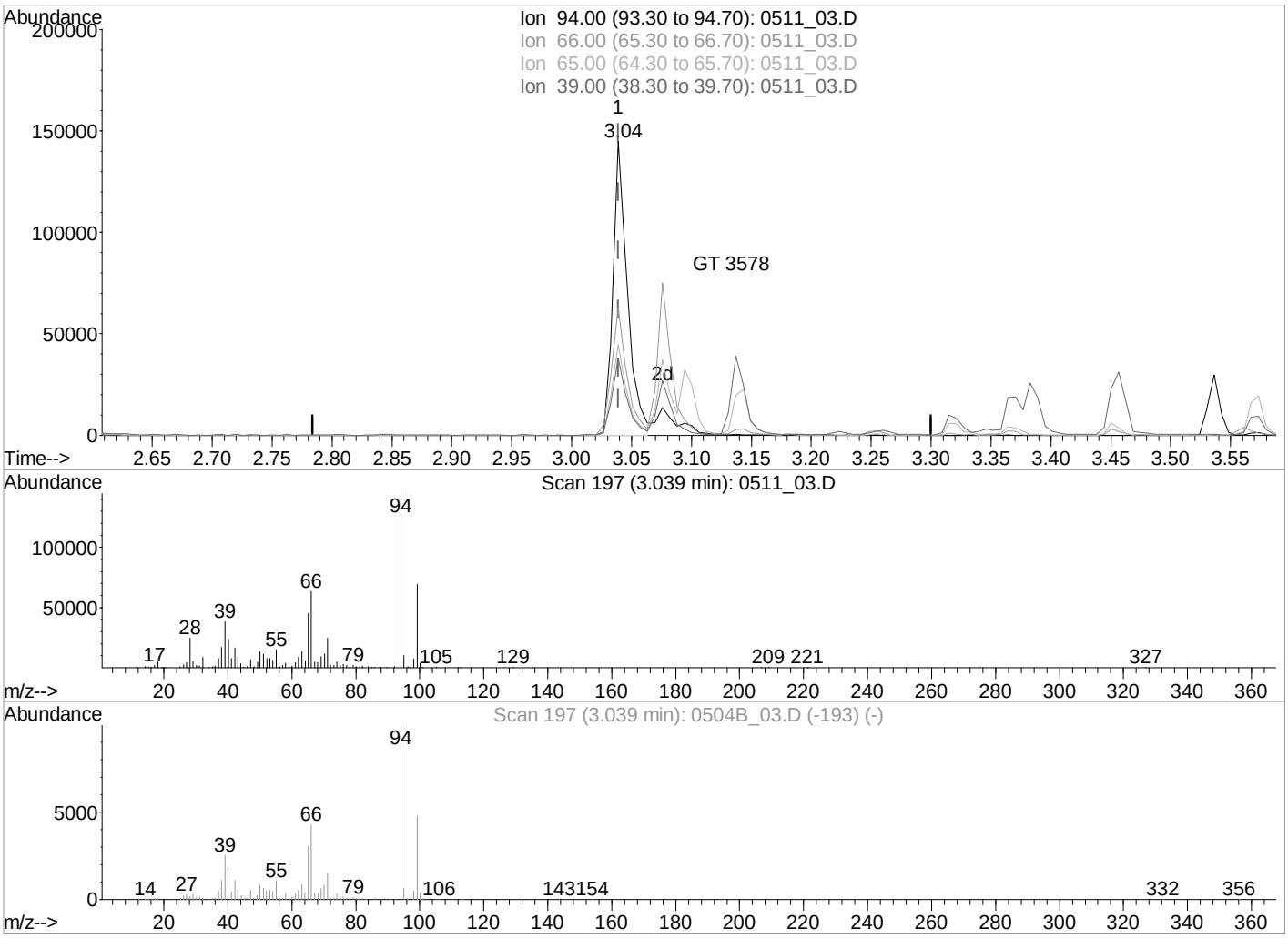
Ion	Exp%	Act%
94.00	100	100
66.00	34.70	43.59
65.00	27.70	30.88
39.00	22.50	26.09

0511_03.D S804E04BV.M Wed May 11 08:31:51 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 03.D Vial: 3
Acq On : 11 May 2022 5:55 am Operator: 3545
Sample : ICVmsc SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 8:31 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0511_03.D

(8) Phenol (MC)

3.04min (-0.000) 10784.5304923 ppb

Qvalue = 90

response 124508

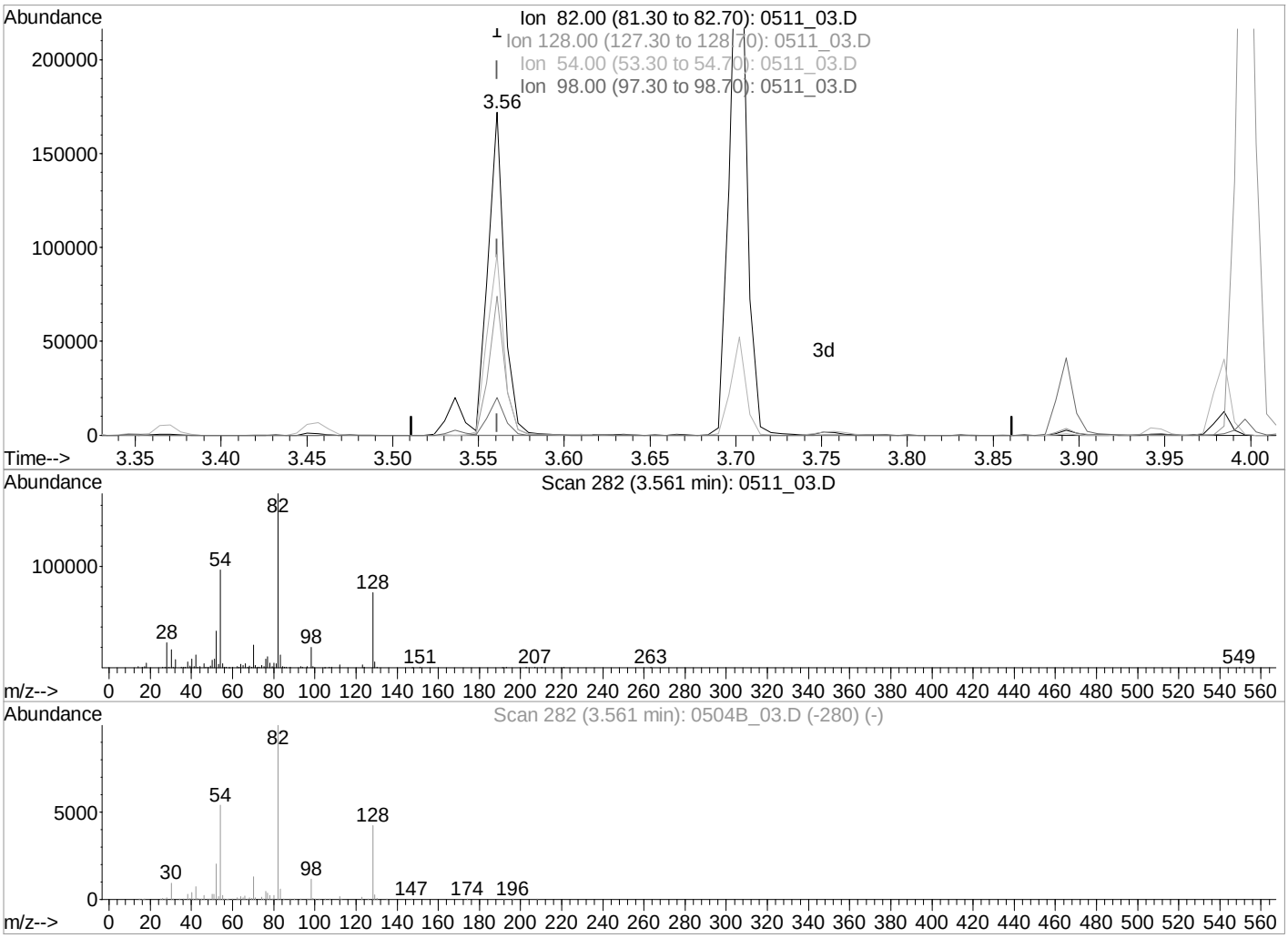
Ion	Exp%	Act%
94.00	100	100
66.00	34.70	43.59
65.00	27.70	30.88
39.00	22.50	26.09

0511_03.D S804E04BV.M Wed May 11 08:31:58 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 03.D Vial: 3
Acq On : 11 May 2022 5:55 am Operator: 3545
Sample : ICVmsc SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 8:31 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0511_03.D

(24) Nitrobenzene-d5 (S)

3.56min (-0.000) 12892.8403862 ppb

Qvalue = 96

response 126232

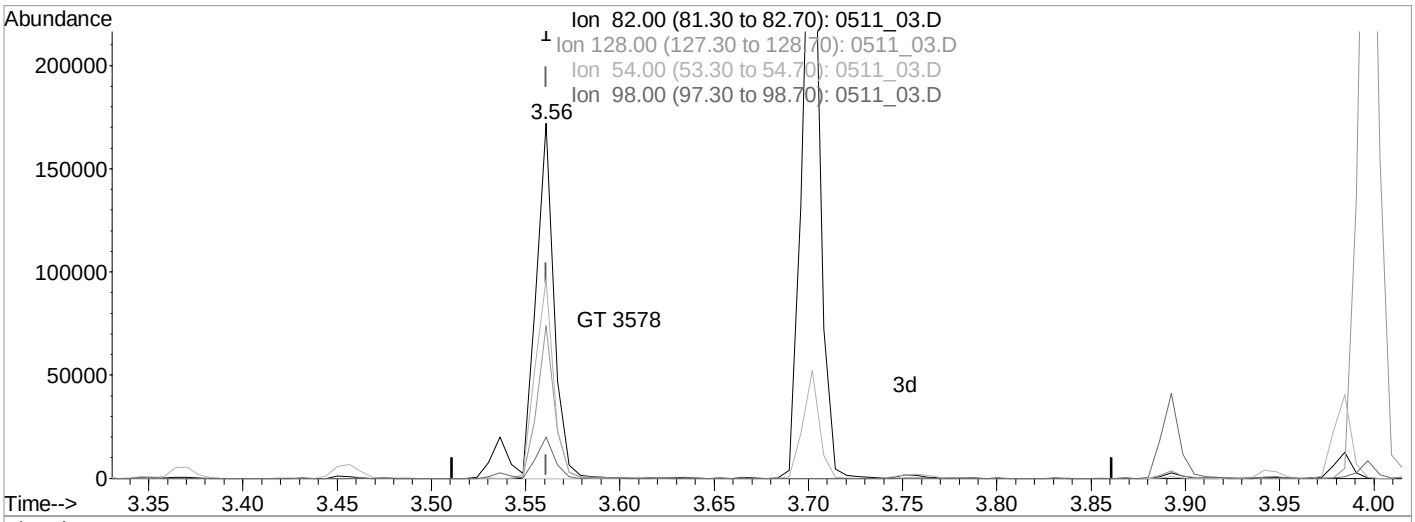
Ion	Exp%	Act%
82.00	100	100
128.00	49.30	43.07
54.00	56.90	56.07
98.00	11.80	11.59

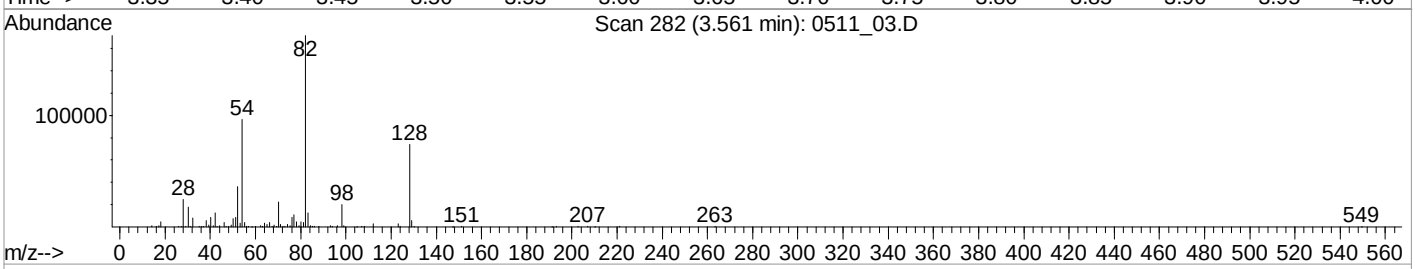
0511_03.D S804E04BV.M Wed May 11 08:32:45 2022

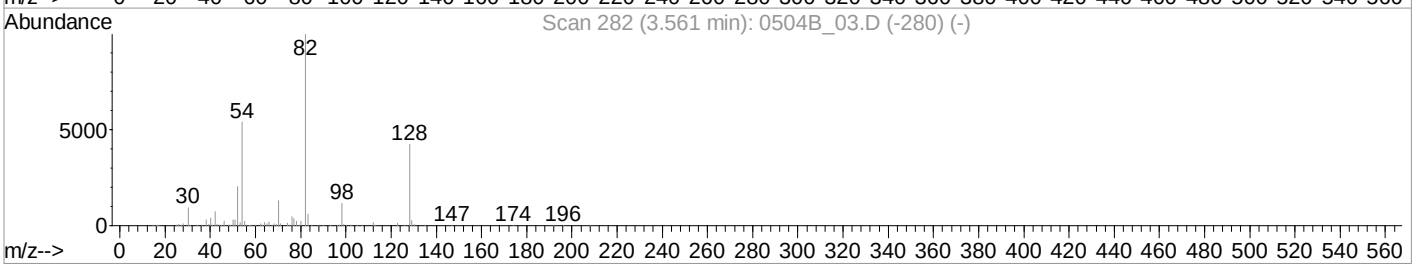
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 03.D Vial: 3
Acq On : 11 May 2022 5:55 am Operator: 3545
Sample : ICVmsc SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 8:32 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration







TIC: 0511_03.D

(24) Nitrobenzene-d5 (S)

3.56min (-0.000) 11593.0567595 ppb m

response 113506

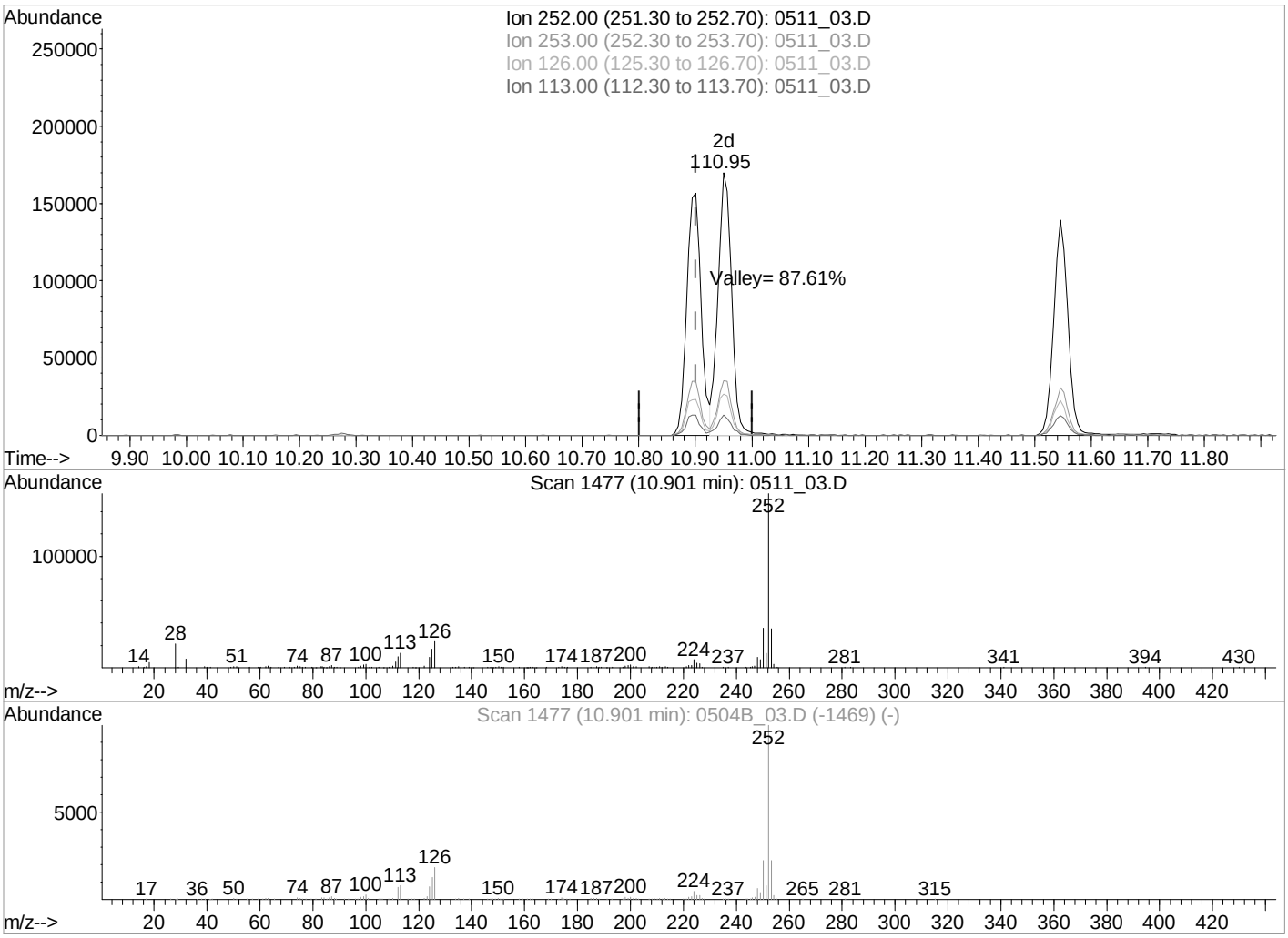
Ion	Exp%	Act%
82.00	100	100
128.00	49.30	43.02
54.00	56.90	56.01
98.00	11.80	11.57

0511_03.D S804E04BV.M Wed May 11 08:32:50 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 03.D Vial: 3
Acq On : 11 May 2022 5:55 am Operator: 3545
Sample : ICVmsc SVMS 10K PPB 22D1927 exp 10/01/22 Inst : BNAMS4
Misc : SVMS ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 8:32 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0511_03.D

(95) Benzo(b)fluoranthene (MT)

10.90min (-0.000) 8942.5140030 ppb

Qvalue = 96

response 274666

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	22.43
126.00	18.30	14.96
113.00	8.80	8.09

0511_03.D S804E04BV.M Wed May 11 08:34:23 2022

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488800	**Calibration (begin) date/time:**	02/09/22 10:43
Instrument ID:	BNAMS4	**Calibration (end) date/time:**	02/09/22 15:35
Lab File ID:	0511_04	**Analysis date/time:**	05/11/22 06:26
Analytical Method:	8270E	**Sample ID:**	ICV

Analyte	Avg. RRF	RRF	Min. RRF	Diff.	Max Diff.	True Value	Result	Result	Limits
				%	*%*	*mg/l*	*mg/l*	*% Rec.*	*%*
BENZOIC ACID	0.130890	0.12389570		5.34	20	10	9.466	94.70	

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051122\0511 04.D Vial: 4
Acq On : 11 May 2022 6:26 am Operator: 3545
Sample : ICV TCL 10K1 PPB 22D19628 exp 09/10/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 8:35 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

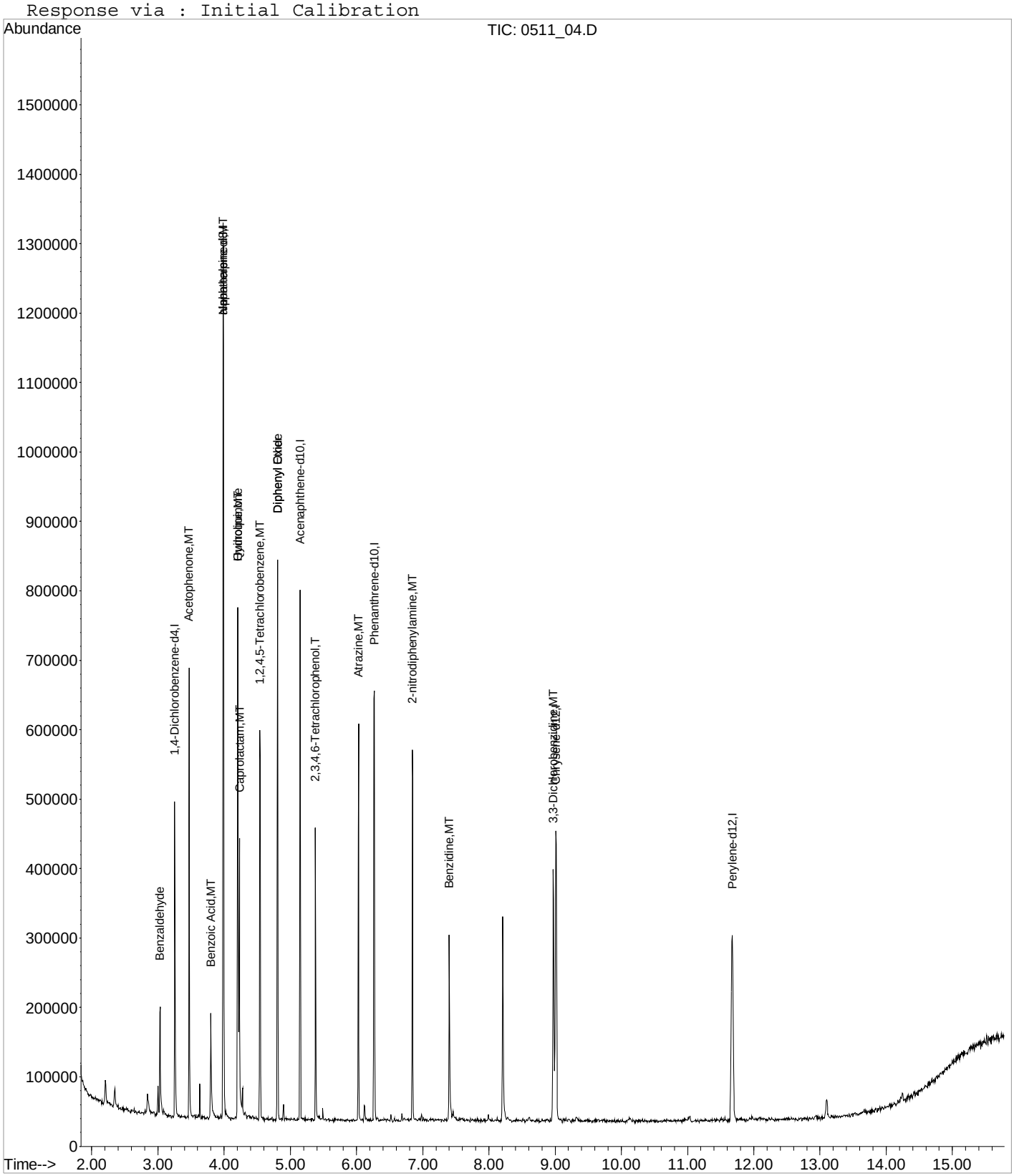
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	54720	8000.00	ppb	0.00
23) Naphthalene-d8	3.98	136	259444	8000.00	ppb	0.00
46) Acenaphthene-d10	5.15	164	106255	8000.00	ppb	0.00
70) Phenanthrene-d10	6.27	188	206085	8000.00	ppb	0.00
84) Chrysene-d12	9.01	240	201906	8000.00	ppb	0.01
94) Perylene-d12	11.67	264	176820	8000.00	ppb	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
7) Phenol-d5	0.00	99	0d	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
24) Nitrobenzene-d5	0.00	82	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
50) 2-Fluorobiphenyl	0.00	172	0d	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.0000000	ppb	
Spiked Amount 20000.000			Recovery =	0.00%		
87) p-Terphenyl-d14	0.00	244	0	0.0000000	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Benzaldehyde	3.03	105	33702	13847.4086177	ppb	92
22) Acetophenone	3.47	105	133742	11818.6412722	ppb	94
31) Benzoic Acid	3.80	105	40180	9465.6053319	ppb	87
33) alpha-terpineol	3.99	59	92491	11364.3791144	ppb	94
37) Hydroquinone	4.21	110	38193	6571.8203075	ppb	81
38) Quinoline	4.21	129	166949	9656.6979045	ppb	97
39) Caprolactam	4.23	113	21818	12204.5326771	ppb #	70
43) 1,2,4,5-Tetrachlorobenzene	4.54	216	77523	11163.4429490	ppb	99
44) Diphenyl Ether	4.81	170	102820	9281.7598197	ug/ml#	81
45) Diphenyl Oxide	4.81	170	102820	9281.7598197	ug/ml#	81
62) 2,3,4,6-Tetrachlorophenol	5.38	232	37257	12295.8165107	ppb	92
69) Atrazine	6.03	200	48361	11129.8872910	ppb	97
82) 2-nitrodiphenylamine	6.85	167	61998	11928.1956142	ppb #	100
85) Benzidine	7.40	184	101265	8640.3389695	ppb	99
89) 3,3-Dichlorobenzidine	8.97	252	100542	9672.4725456	ppb	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051122\0511 04.D Vial: 4
Acq On : 11 May 2022 6:26 am Operator: 3545
Sample : ICV TCL 10K1 PPB 22D19628 exp 09/10/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 8:35 2022 Quant Results File: S804E04BV.RES

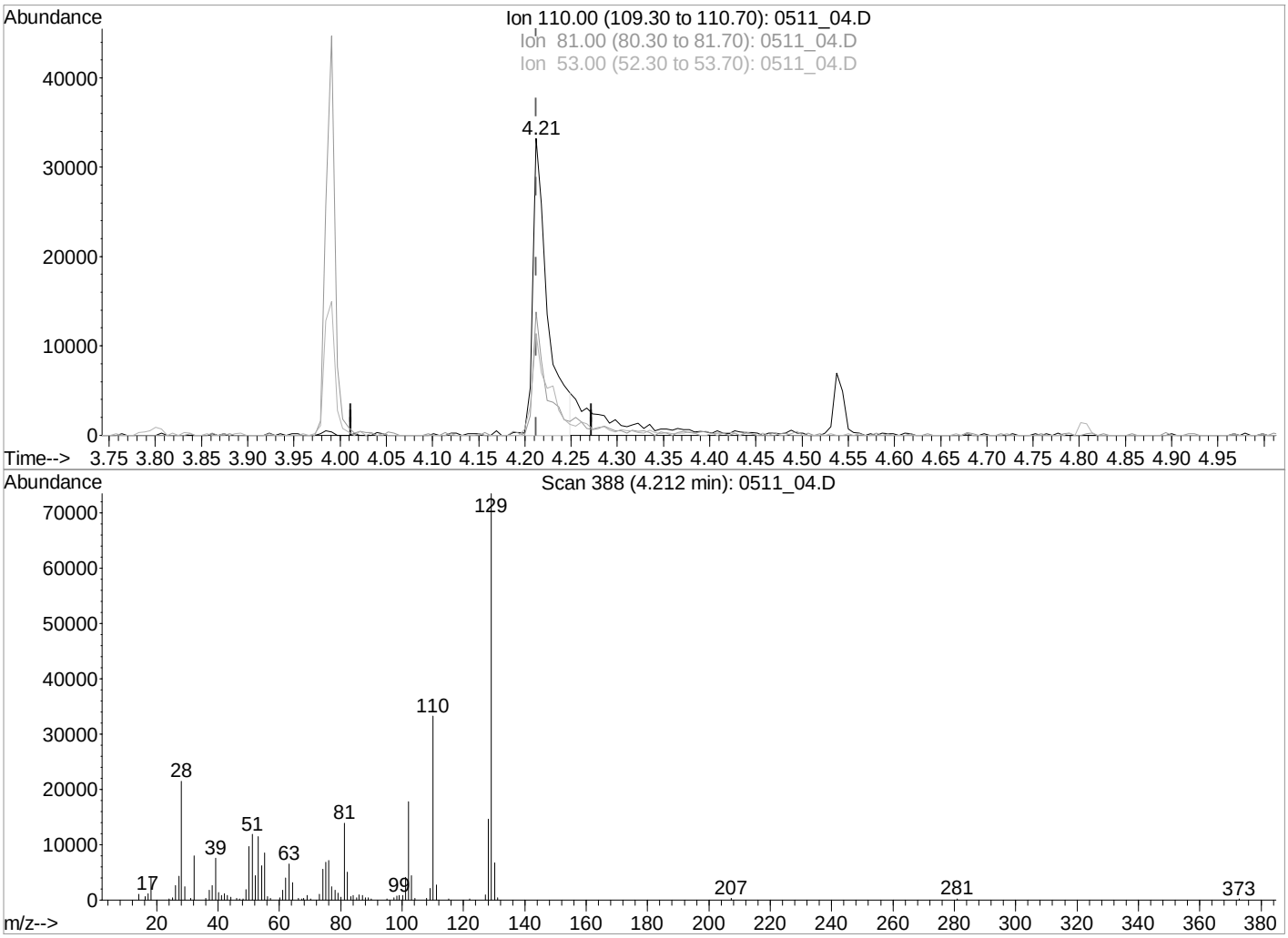
Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 04.D Vial: 4
Acq On : 11 May 2022 6:26 am Operator: 3545
Sample : ICV TCL 10K1 PPB 22D19628 exp 09/10/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 8:35 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Single Level Calibration



TIC: 0511_04.D

(37) Hydroquinone

4.21min (0.000) 6571.8203075 ppb

Qvalue = 81

response 38193

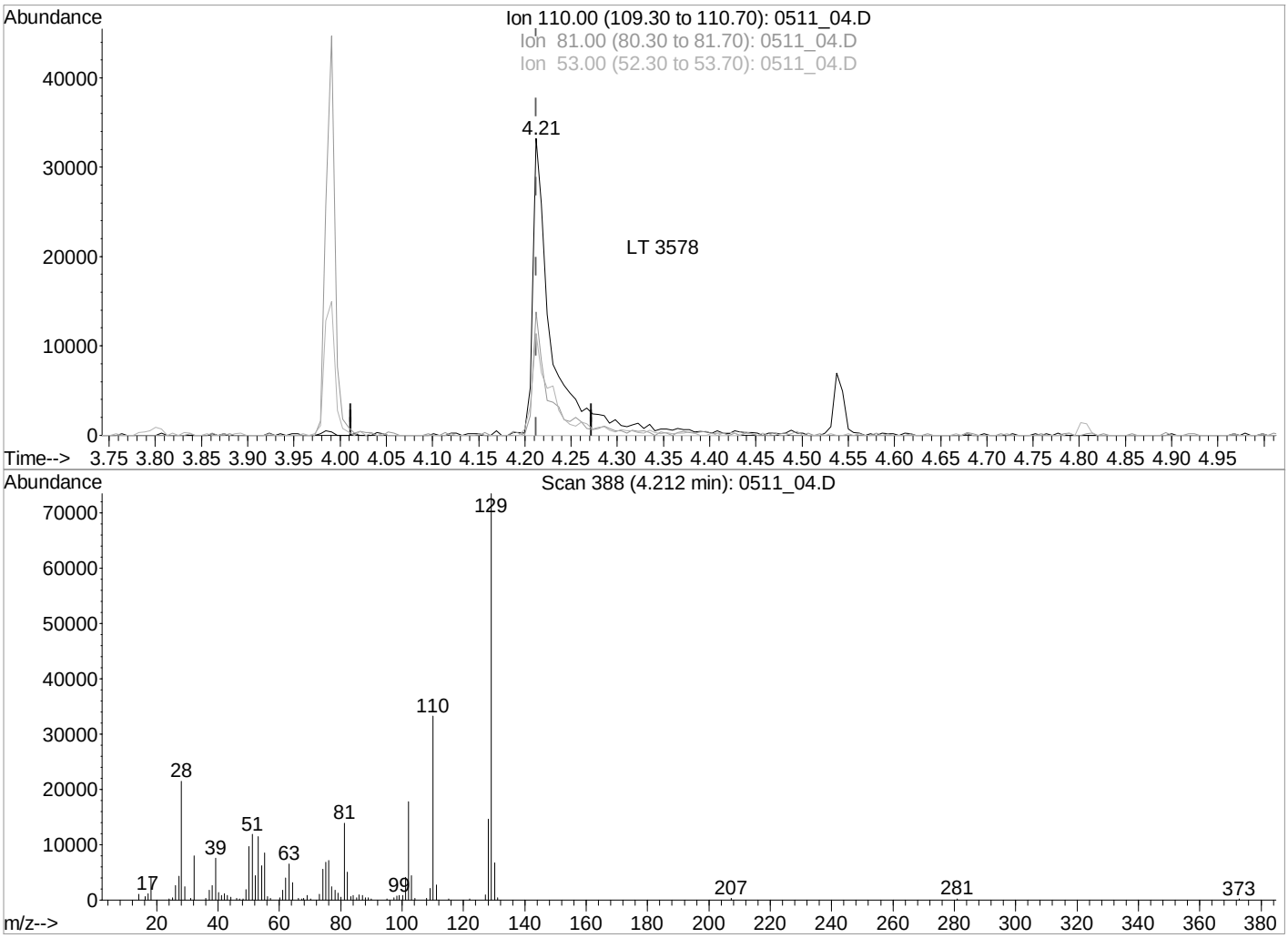
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	41.53
53.00	25.90	34.33
0.00	0.00	0.00

0511_04.D S804E04BV.M Wed May 11 08:35:45 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 04.D Vial: 4
Acq On : 11 May 2022 6:26 am Operator: 3545
Sample : ICV TCL 10K1 PPB 22D19628 exp 09/10/22 Inst : BNAMS4
Misc : TCL ICAL ISTD 22D16229 exp 10/16/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 8:35 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Single Level Calibration



TIC: 0511_04.D

(37) Hydroquinone

4.21min (0.000) 6571.8203075 ppb

Qvalue = 81

response 38193

Ion	Exp%	Act%
110.00	100	100
81.00	29.80	41.53
53.00	25.90	34.33
0.00	0.00	0.00

0511_04.D S804E04BV.M Wed May 11 08:35:53 2022

ANALYTICAL SEQUENCE

SDG:	L1488800	**Analytical Method:**	8270E
Instrument ID:	BNAMS4	**Calibration Start Date:**	02/09/22 10:43
		Calibration End Date:	02/09/22 15:35

Client Sample ID	Lab Sample ID	File ID	Analysis Date Time	Dilution	Batch
TUNE	BNAMS40209220209_05577847	0209_05	02/09/22 10:23		
CAL	500	0209_06	02/09/22 10:43		
CAL	1000	0209_07	02/09/22 11:04		
CAL	4000	0209_08	02/09/22 11:25		
CAL	10000	0209_09	02/09/22 11:46		
CAL	20000	0209_10	02/09/22 12:07		
CAL	30000	0209_11	02/09/22 12:27		
CAL	40000	0209_12	02/09/22 12:48		
CAL	50000	0209_13	02/09/22 13:09		
CAL	1K1	0209_14	02/09/22 13:30		
CAL	4K1	0209_15	02/09/22 13:51		
CAL	10K1	0209_16	02/09/22 14:11		
CAL	20K1	0209_17	02/09/22 14:32		
CAL	30K1	0209_18	02/09/22 14:53		
CAL	40K1	0209_19	02/09/22 15:14		
CAL	50K1	0209_20	02/09/22 15:35		
SSCV	BNAMS40209220209_21577847	0209_21	02/09/22 15:56		
SSCV	BNAMS40209220209_22577847	0209_22	02/09/22 16:16		
TUNE	BNAMS40511220511_02T-1577847	0511_02T-1	05/11/22 05:34		
ICV	BNAMS40511220511_03577847	0511_03	05/11/22 05:55		
ICV	BNAMS40511220511_04577847	0511_04	05/11/22 06:26		
LCS	R3790422-1	0511_05	05/11/22 07:01	1	WG1861634
BLANK	R3790422-2	0511_06	05/11/22 07:22	1	WG1861634
BNSF-L320-042922-0-2	L1488800-01	0511_11	05/11/22 09:07	2	WG1861634
BNSF-1120-042922-0-6	L1488800-02	0511_29	05/11/22 16:01	1	WG1861634
BNSF-BG20-042922-0-10	L1488800-03	0511_30	05/11/22 16:22	2	WG1861634
MS	R3790422-3	0511_31	05/11/22 16:43	2	WG1861634
MSD	R3790422-4	0511_32	05/11/22 17:04	2	WG1861634

DETECTION LIMIT SUMMARY

Lab Sample IDs: L1488800-01,02,03 **Analytical Method:** 8270E
Matrix: Solid **Prep Method:** 3546

Analyte	CAS	MDL	RDL
		mg/kg	*mg/kg*
Benzo(b)fluoranthene	205-99-2	0.006210	0.0333
Benzo(k)fluoranthene	207-08-9	0.005920	0.0333
Benzo(g,h,i)perylene	191-24-2	0.006090	0.0333
Benzo(a)pyrene	50-32-8	0.006190	0.0333
Acenaphthene	83-32-9	0.005390	0.0333
Carbazole	86-74-8	0.0103	0.3330
Chrysene	218-01-9	0.006620	0.0333
Dibenz(a,h)anthracene	53-70-3	0.009230	0.0333
Dibenzofuran	132-64-9	0.0109	0.3330
Acenaphthylene	208-96-8	0.004690	0.0333
Fluoranthene	206-44-0	0.006010	0.0333
Fluorene	86-73-7	0.005420	0.0333
Anthracene	120-12-7	0.005930	0.0333
Indeno(1,2,3-cd)pyrene	193-39-5	0.009410	0.0333
1-Methylnaphthalene	90-12-0	0.004260	0.0333
2-Methylnaphthalene	91-57-6	0.004320	0.0333
Naphthalene	91-20-3	0.008360	0.0333
Phenanthrene	85-01-8	0.006610	0.0333
Bis(2-ethylhexyl)phthalate	117-81-7	0.0422	0.3330
Di-n-butyl phthalate	84-74-2	0.0114	0.3330
Di-n-octyl phthalate	117-84-0	0.0225	0.3330
Pyrene	129-00-0	0.006480	0.0333
3&4-Methyl Phenol	3&4-Methyl Phenol	0.0104	0.3330
Pentachlorophenol	87-86-5	0.008960	0.3330
Phenol	108-95-2	0.0134	0.3330
Benzoic Acid	65-85-0	0.1180	1.67
Benzo(a)anthracene	56-55-3	0.005870	0.0333

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3790422-2	**SDG:**	L1488800
Client Sample ID:	BLANK	**Collected Date/Time:**	_____
Lab File ID:	0511_06	**Received Date/Time:**	_____
Instrument ID:	BNAMS4	**Preparation Date/Time:**	05/10/22 22:02
Analytical Batch:	WG1861634	**Analysis Date/Time:**	05/11/22 07:22
Dilution Factor:	1	**Prep Method:**	3546
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	15 g
Total Solids (%):	_____	**Final Wt/Vol:**	0.5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			mg/kg		*mg/kg*	*mg/kg*
Acenaphthene	83-32-9	0	U		0.00539	0.0333
Acenaphthylene	208-96-8	0	U		0.00469	0.0333
Anthracene	120-12-7	0	U		0.00593	0.0333
Benzoic Acid	65-85-0	0	U		0.118	1.67
Benzo(a)anthracene	56-55-3	0	U		0.00587	0.0333
Benzo(b)fluoranthene	205-99-2	0	U		0.00621	0.0333
Benzo(k)fluoranthene	207-08-9	0	U		0.00592	0.0333
Benzo(g,h,i)perylene	191-24-2	0	U		0.00609	0.0333
Benzo(a)pyrene	50-32-8	0	U		0.00619	0.0333
Carbazole	86-74-8	0	U		0.0103	0.333
Chrysene	218-01-9	0	U		0.00662	0.0333
Dibenz(a,h)anthracene	53-70-3	0	U		0.00923	0.0333
Dibenzofuran	132-64-9	0	U		0.0109	0.333
Fluoranthene	206-44-0	0	U		0.00601	0.0333
Fluorene	86-73-7	0	U		0.00542	0.0333
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.00941	0.0333
1-Methylnaphthalene	90-12-0	0	U		0.00426	0.0333
2-Methylnaphthalene	91-57-6	0	U		0.00432	0.0333
Naphthalene	91-20-3	0	U		0.00836	0.0333
Phenanthrene	85-01-8	0	U		0.00661	0.0333
Bis(2-ethylhexyl)phthalate	117-81-7	0	U		0.0422	0.333
Di-n-butyl phthalate	84-74-2	0	U		0.0114	0.333
Di-n-octyl phthalate	117-84-0	0	U		0.0225	0.333
Pyrene	129-00-0	0	U		0.00648	0.0333
3&4-Methyl Phenol	3&4-Methyl Phenol	0	U		0.0104	0.333
Pentachlorophenol	87-86-5	0	U		0.00896	0.333
Phenol	108-95-2	0	U		0.0134	0.333

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051122\0511 06.D Vial: 79
Acq On : 11 May 2022 7:22 am Operator: 3545
Sample : BLANK 1x WG1861634 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 9:04 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

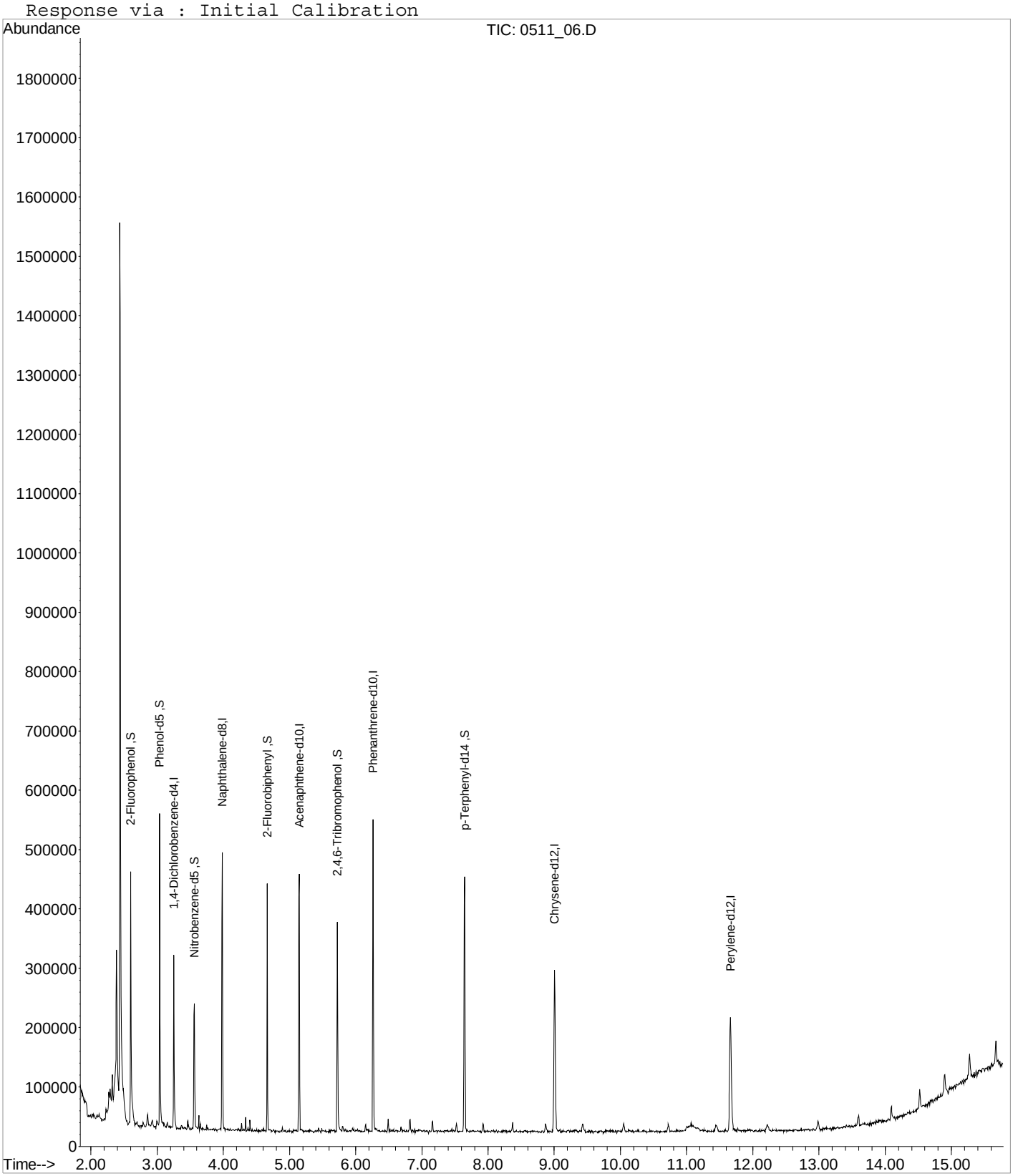
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	40536	8000.00	ppb	0.00
23) Naphthalene-d8	3.98	136	159467	8000.00	ppb	0.00
46) Acenaphthene-d10	5.15	164	75891	8000.00	ppb	0.00
70) Phenanthrene-d10	6.26	188	146134	8000.00	ppb	0.00
84) Chrysene-d12	9.00	240	124262	8000.00	ppb	0.00
94) Perylene-d12	11.66	264	129493	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.60	112	112691	17108.0653981	ppb	0.02
Spiked Amount 20000.000	Range 20 - 120		Recovery = 85.54%			
7) Phenol-d5	3.04	99	132692	16784.0239899	ppb	0.00
Spiked Amount 20000.000	Range 20 - 120		Recovery = 83.92%			
24) Nitrobenzene-d5	3.56	82	58812	8692.0004739	ppb	0.00
Spiked Amount 10000.000	Range 18 - 125		Recovery = 86.92%			
50) 2-Fluorobiphenyl	4.67	172	104779	8184.4069022	ppb	0.00
Spiked Amount 10000.000	Range 28 - 120		Recovery = 81.84%			
73) 2,4,6-Tribromophenol	5.72	330	28279	17094.7265322	ppb	0.00
Spiked Amount 20000.000	Range 17 - 137		Recovery = 85.47%			
87) p-Terphenyl-d14	7.65	244	151858	8942.3837981	ppb	0.00
Spiked Amount 10000.000	Range 13 - 131		Recovery = 89.42%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Data File : C:\MSDCHEM\1\DATA\051122\0511 06.D Vial: 79
Acq On : 11 May 2022 7:22 am Operator: 3545
Sample : BLANK 1x WG1861634 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 9:04 2022 Quant Results File: S804E04BV.RES

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration



SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3790422-1	**SDG:**	L1488800
Client Sample ID:	LCS	**Collected Date/Time:**	_____
Lab File ID:	0511_05	**Received Date/Time:**	_____
Instrument ID:	BNAMS4	**Preparation Date/Time:**	05/10/22 22:02
Analytical Batch:	WG1861634	**Analysis Date/Time:**	05/11/22 07:01
Dilution Factor:	1	**Prep Method:**	3546
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	15 g
Total Solids (%):	_____	**Final Wt/Vol:**	0.5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			mg/kg		*mg/kg*	*mg/kg*
Acenaphthene	83-32-9	5.17	0.584		0.00539	0.0333
Acenaphthylene	208-96-8	5.05	0.630		0.00469	0.0333
Anthracene	120-12-7	6.33	0.579		0.00593	0.0333
Benzoic Acid	65-85-0	3.81	0.533		0.000	1.67
Benzo(a)anthracene	56-55-3	9	0.619		0.00587	0.0333
Benzo(b)fluoranthene	205-99-2	10.91	0.584		0.00621	0.0333
Benzo(k)fluoranthene	207-08-9	10.97	0.594		0.00592	0.0333
Benzo(g,h,i)perylene	191-24-2	14.04	0.612		0.00609	0.0333
Benzo(a)pyrene	50-32-8	11.56	0.643		0.00619	0.0333
Carbazole	86-74-8	6.45	0.570		0.0103	0.333
Chrysene	218-01-9	9.06	0.616		0.00662	0.0333
Dibenz(a,h)anthracene	53-70-3	13.73	0.584		0.00923	0.0333
Dibenzofuran	132-64-9	5.29	0.598		0.0109	0.333
Fluoranthene	206-44-0	7.28	0.576		0.00601	0.0333
Fluorene	86-73-7	5.54	0.601		0.00542	0.0333
Indeno(1,2,3-cd)pyrene	193-39-5	13.69	0.590		0.00941	0.0333
1-Methylnaphthalene	90-12-0	4.50	0.448		0.00426	0.0333
2-Methylnaphthalene	91-57-6	4.43	0.424		0.00432	0.0333
Naphthalene	91-20-3	4	0.431		0.00836	0.0333
Phenanthrene	85-01-8	6.29	0.574		0.00661	0.0333
Bis(2-ethylhexyl)phthalate	117-81-7	9.09	0.707		0.0422	0.333
Di-n-butyl phthalate	84-74-2	6.72	0.641		0.0114	0.333
Di-n-octyl phthalate	117-84-0	10.29	0.656		0.0225	0.333
Pyrene	129-00-0	7.50	0.607		0.00648	0.0333
3&4-Methyl Phenol	3&4-Methyl Phenol	3.46	0.683		0.0104	0.333
Pentachlorophenol	87-86-5	6.12	0.550		0.00896	0.333
Phenol	108-95-2	3.04	0.570		0.0134	0.333

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051122\0511 05.D Vial: 78
Acq On : 11 May 2022 7:01 am Operator: 3545
Sample : LCS 1x WG1861634 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 9:03 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	48033	8000.00	ppb		0.00
23) Naphthalene-d8	3.98	136	240896	8000.00	ppb		0.00
46) Acenaphthene-d10	5.15	164	99122	8000.00	ppb		0.00
70) Phenanthrene-d10	6.27	188	205409	8000.00	ppb		0.00
84) Chrysene-d12	9.01	240	175697	8000.00	ppb		0.01
94) Perylene-d12	11.67	264	184368	8000.00	ppb		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	2.60	112	130566	16727.9586919	ppb		0.02
Spiked Amount 20000.000	Range 20 - 120		Recovery = 83.64%				
7) Phenol-d5	3.04	99	158218	16889.1744264	ppb		0.00
Spiked Amount 20000.000	Range 20 - 120		Recovery = 84.45%				
24) Nitrobenzene-d5	3.56	82	71255	6971.2454254	ppb		0.00
Spiked Amount 10000.000	Range 18 - 125		Recovery = 69.71%				
50) 2-Fluorobiphenyl	4.67	172	137478	8221.7901605	ppb		0.00
Spiked Amount 10000.000	Range 28 - 120		Recovery = 82.22%				
73) 2,4,6-Tribromophenol	5.73	330	42186	18142.5472085	ppb		0.00
Spiked Amount 20000.000	Range 17 - 137		Recovery = 90.71%				
87) p-Terphenyl-d14	7.65	244	219871	9157.0919365	ppb		0.00
Spiked Amount 10000.000	Range 13 - 131		Recovery = 91.57%				
Target Compounds							Qvalue
2) Pyridine	1.98	79	90794	12216.4423574	ppb		89
3) N-Nitrosodimethylamine	1.97	42	78021	19558.9488668	ppb		94
5) Aniline	3.08	66	66372	14934.7203624	ppb	#	37
6) bis(2-Chloroethyl)ether	3.09	93	130112	18848.1580990	ppb		99
8) Phenol	3.04	94	168856	17111.7293511	ppb		84
9) Benzaldehyde	3.03	105	76047	35596.0080362	ppb	#	89
10) 2-Chlorophenol	3.14	128	134246	16991.3442084	ppb		88
11) n-Decane	3.14	41	77671	16690.0941535	ppb		95
12) 1,3-Dichlorobenzene	3.22	146	131073	14672.3388496	ppb		93
13) 1,4-Dichlorobenzene	3.26	146	138676	15081.9410691	ppb		93
14) Benzyl Alcohol	3.32	79	101280	16574.0922890	ppb		96
15) 1,2-Dichlorobenzene	3.35	146	133758	15825.0649330	ppb		93
16) bis(2-Chloroisopropyl)ethe	3.39	121	44199	15281.5297087	ppb	#	49
17) 2,2-oxybis(1-chloropropane	3.39	121	44199	15281.5297087	ppb	#	49
18) 2-Methylphenol	3.37	108	128424	17988.1597488	ppb		90
19) Hexachloroethane	3.54	117	60374	18088.3244895	ppb		97
20) N-Nitrosodi-n-propylamine	3.46	70	106985	20505.6012254	ppb		95
21) 3&4-Methyl phenol	3.46	107	166215	20496.4189539	ppb		93
22) Acetophenone	3.47	105	179022	18022.3956054	ppb	#	67
25) Nitrobenzene	3.57	77	154926	15501.8203659	ppb		92
26) Isophorone	3.70	82	279805	15607.1400064	ppb		96
27) 2-Nitrophenol	3.76	139	71954	14284.3637008	ppb		91
28) 2,4-Dimethylphenol	3.76	107	144921	15491.0576930	ppb		93
29) bis(2-Chlorethoxy)methane	3.82	93	166657	14538.7217459	ppb		97
30) 2,4-Dichlorophenol	3.89	162	110303	13996.0602958	ppb	#	84
31) Benzoic Acid	3.81	105	63043	15995.1889415	ppb		88
32) 1,2,4-Trichlorobenzene	3.95	180	119912	13592.7475844	ppb		95
33) alpha-terpineol	3.99	59	132664	17555.5066948	ppb		95
34) Naphthalene	4.00	128	397264m	12950.1060137	ppb		
35) 4-Chloroaniline	4.02	65	47602	13355.0105531	ppb	#	54
36) Hexachloro-1,3-butadiene	4.06	225	70154	14577.3313084	ppb		94
37) Hydroquinone	4.22	110	60662m	11643.9482922	ppb		
38) Quinoline	4.21	129	261284	16276.8995055	ppb		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051122\0511 05.D Vial: 78
Acq On : 11 May 2022 7:01 am Operator: 3545
Sample : LCS 1x WG1861634 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 9:03 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	Caprolactam	4.24	113	42620	25676.3747264	ppb	#	79
40)	4-Chloro-3-methylphenol	4.32	107	117030	14731.3808581	ppb	#	78
41)	2-Methylnaphthalene	4.43	142	254528	12733.3135061	ppb	#	94
42)	1-Methylnaphthalene	4.50	142	252619	13447.9195440	ppb	#	96
43)	1,2,4,5-Tetrachlorobenzene	4.54	216	113183	17553.4638931	ppb		99
44)	Diphenyl Ether	4.81	170	167286	16263.9625718	ug/ml	#	80
45)	Diphenyl Oxide	4.81	170	167286	16263.9625718	ug/ml	#	80
47)	Hexachlorocyclopentadiene	4.53	237	55629	11978.7529269	ppb		95
48)	2,4,6-Trichlorophenol	4.62	196	76243	17734.2081998	ppb		96
49)	2,4,5-Trichlorophenol	4.64	196	79441	17755.1823080	ppb		93
51)	Biphenyl	4.74	154	320764	17275.3015596	ppb		100
52)	2-Chloronaphthalene	4.76	162	247946	17497.4536336	ppb		98
53)	2-Nitroaniline	4.83	138	89238	20315.8399253	ppb	#	74
54)	Acenaphthylene	5.05	152	417226	18926.2184018	ppb		99
55)	Dimethyl phthalate	4.94	163	285252	19430.1255241	ppb		93
56)	2,6-Dinitrotoluene	4.99	165	67791	19916.3562100	ppb		91
57)	3-Nitroaniline	5.11	138	70663	19281.7937113	ppb		96
58)	Acenaphthene	5.17	153	254411	17543.1910739	ppb		97
59)	2,4-Dinitrophenol	5.19	184	24503	13041.7411886	ppb	#	1
60)	Dibenzofuran	5.29	168	361448	17971.9797899	ppb		92
61)	2,4-Dinitrotoluene	5.28	165	93425	21917.6884642	ppb	#	77
62)	2,3,4,6-Tetrachlorophenol	5.38	232	56015	19816.7828956	ppb		91
63)	4-Nitrophenol	5.23	139	58182	19220.4963313	ppb	#	80
64)	Fluorene	5.54	166	294359	18043.5379088	ppb		99
65)	4-Chlorophenyl-phenylether	5.54	204	139376	18015.5541961	ppb		95
66)	Diethyl phthalate	5.45	149	316893	21069.1386720	ppb		99
67)	4-Nitroaniline	5.56	138	80795	23538.7046190	ppb	#	78
68)	Azobenzene	5.66	77	359650	23971.6026678	ppb		92
69)	Atrazine	6.03	200	85333	21051.9256395	ppb		99
71)	4,6-Dinitro-2-methylphenol	5.59	198	49310	17441.8720499	ppb		97
72)	N-Nitrosodiphenylamine	5.63	169	253247	16224.5559890	ppb		98
74)	4-Bromophenyl-phenylether	5.91	248	87178	17209.0995061	ppb		90
75)	Hexachlorobenzene	5.97	284	97612	17317.2424092	ppb		96
76)	n-octadecane	6.15	55	57595	18325.4868841	ppb		96
77)	Pentachlorophenol	6.12	266	51425	16526.7803638	ppb		92
78)	Phenanthrene	6.29	178	466052	17244.5220318	ppb		99
79)	Anthracene	6.33	178	475759	17391.4202912	ppb		99
80)	Carbazole	6.45	167	427132	17113.0992284	ppb		98
81)	Di-n-butyl phthalate	6.72	149	562262	19242.4480996	ppb		99
82)	2-nitrodiphenylamine	6.85	167	119700	23105.6471860	ppb	#	100
83)	Fluoranthene	7.28	202	496969	17309.3309794	ppb		98
85)	Benzidine	7.40	184	265250	24332.7006742	ppb		99
86)	Pyrene	7.50	202	515789	18244.9074704	ppb		98
88)	Benzylbutyl phthalate	8.23	149	236088	20423.4459184	ppb		95
89)	3,3-Dichlorobenzidine	8.98	252	307916	34041.3771303	ppb		96
90)	Benzo(a)anthracene	9.00	228	470166	18584.1295902	ppb		98
91)	Chrysene	9.06	228	453372	18491.7095698	ppb		98
92)	bis(2-Ethylhexyl)phthalate	9.09	149	337830	21217.1930578	ppb		95
93)	Di-n-octyl phthalate	10.29	149	521231	19705.3410959	ppb		98
95)	Benzo(b)fluoranthene	10.91	252	460942	17550.2112606	ppb		95
96)	Benzo(k)fluoranthene	10.97	252	461167	17826.1843500	ppb		95
97)	Benzo(a)pyrene	11.56	252	439271	19310.6614701	ppb		97
98)	Indeno(1,2,3-cd)pyrene	13.69	276	396093	17722.8388224	ppb		97
99)	Dibenz(a,h)anthracene	13.73	278	417800	17540.5693275	ppb		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051122\0511 05.D Vial: 78
Acq On : 11 May 2022 7:01 am Operator: 3545
Sample : LCS 1x WG1861634 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 9:03 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

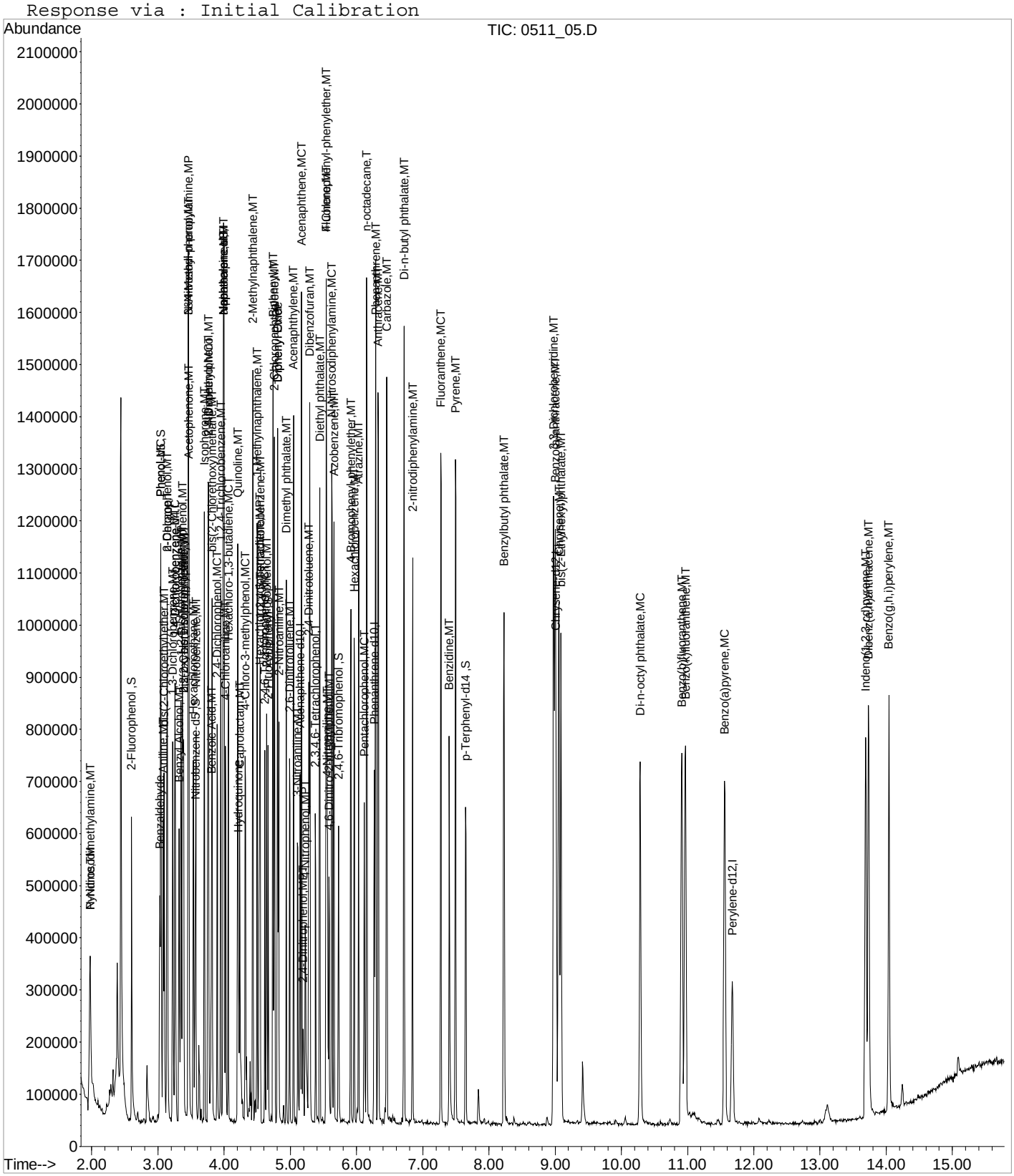
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
100)	Benzo(g,h,i)perylene	14.04	276	427551	18379.9179348	ppb	95

(#) = qualifier out of range (m) = manual integration
0511_05.D S804E04BV.M Wed May 11 09:04:19 2022 Page 3

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051122\0511 05.D Vial: 78
Acq On : 11 May 2022 7:01 am Operator: 3545
Sample : LCS 1x WG1861634 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 9:03 2022 Quant Results File: S804E04BV.RES

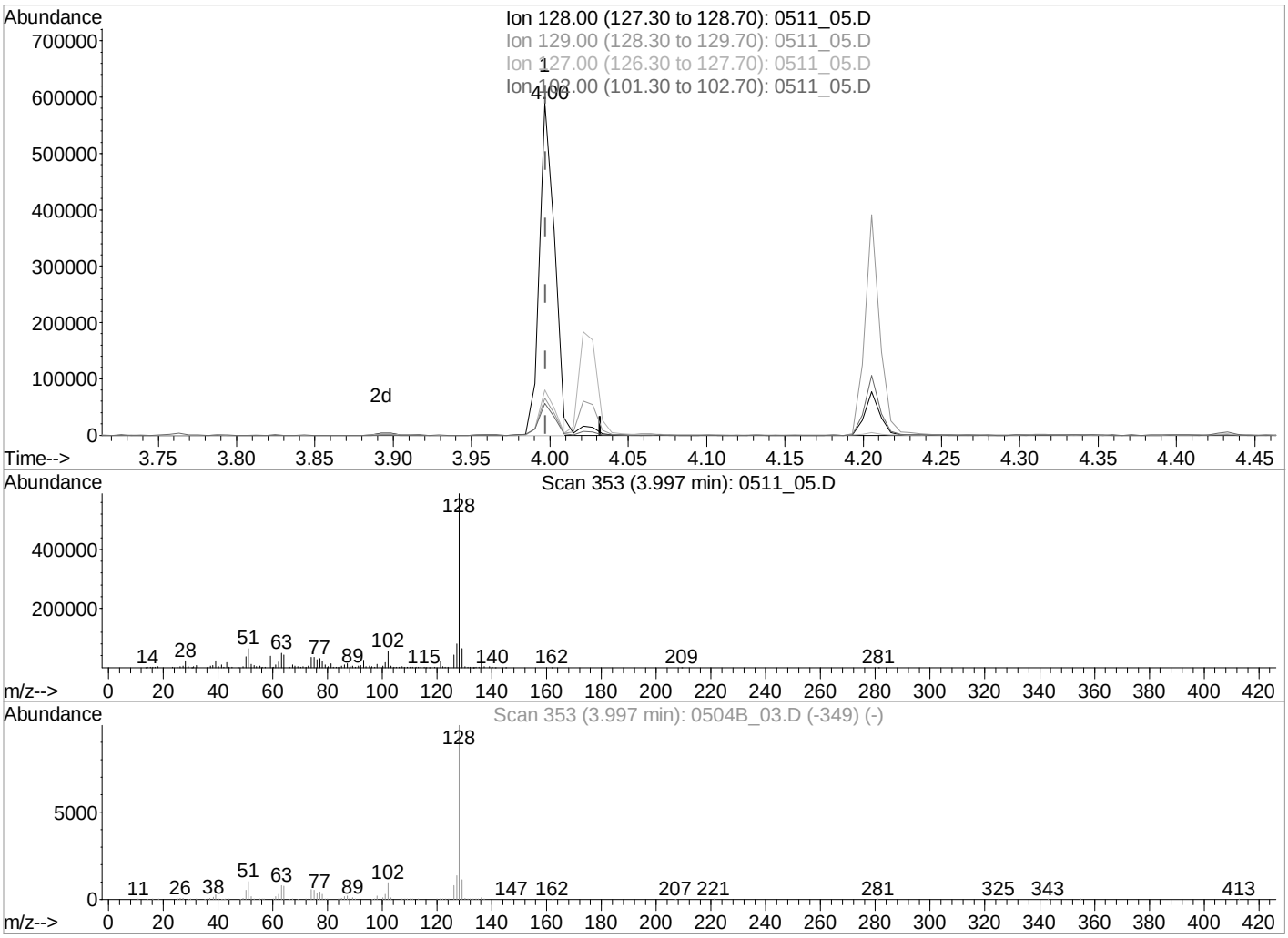
Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 05.D Vial: 78
Acq On : 11 May 2022 7:01 am Operator: 3545
Sample : LCS 1x WG1861634 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 8:00 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0511_05.D

(34) Naphthalene (MT)

4.00min (-0.000) 12914.5739354 ppb

Qvalue = 98

response 396174

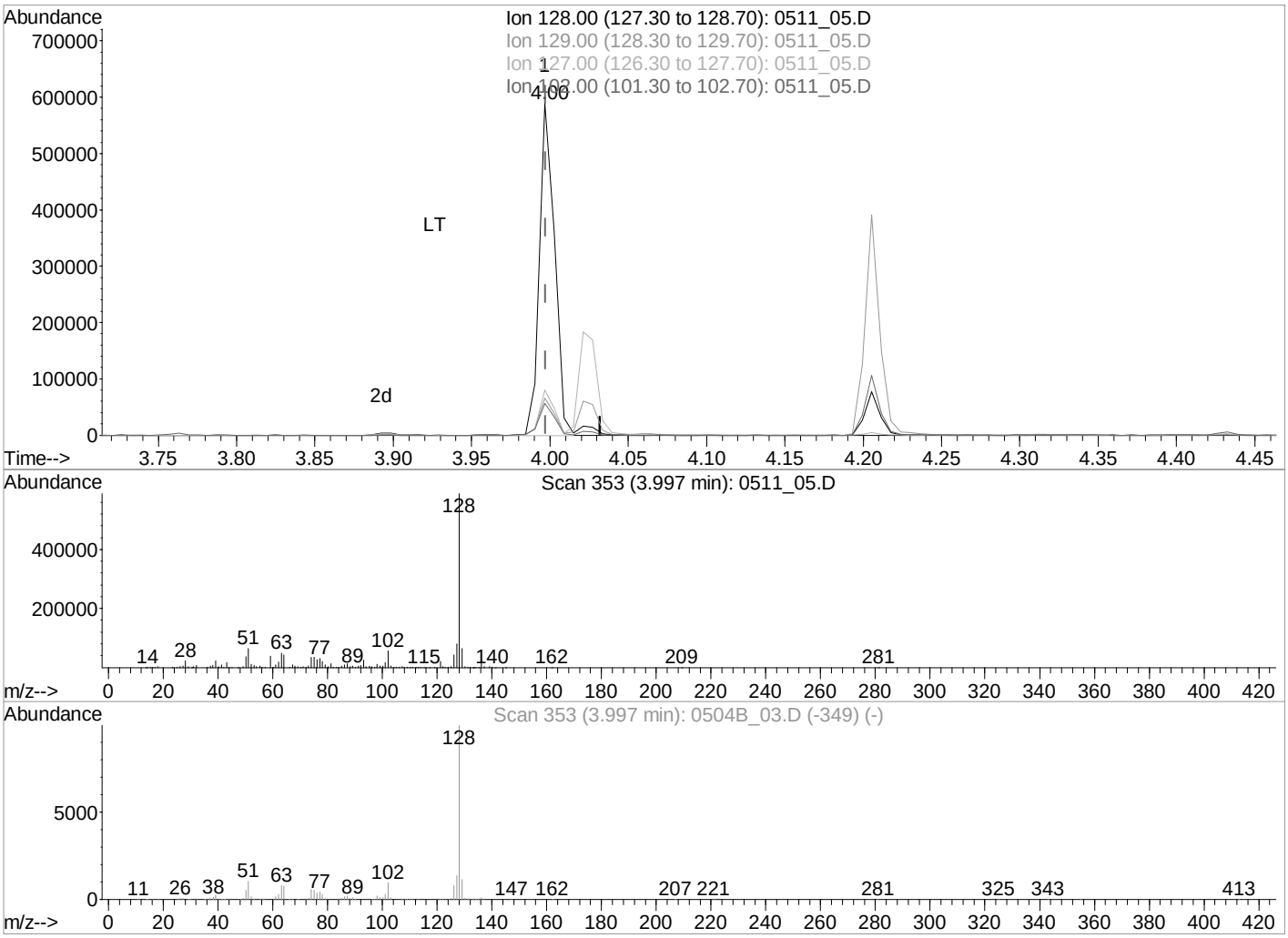
Ion	Exp%	Act%
128.00	100	100
129.00	10.90	11.06
127.00	13.10	13.59
102.00	8.20	9.64

0511_05.D S804E04BV.M Wed May 11 09:03:27 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 05.D Vial: 78
Acq On : 11 May 2022 7:01 am Operator: 3545
Sample : LCS 1x WG1861634 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 9:03 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0511_05.D

(34) Naphthalene (MT)

4.00min (-0.000) 12950.1060137 ppb m

response 397264

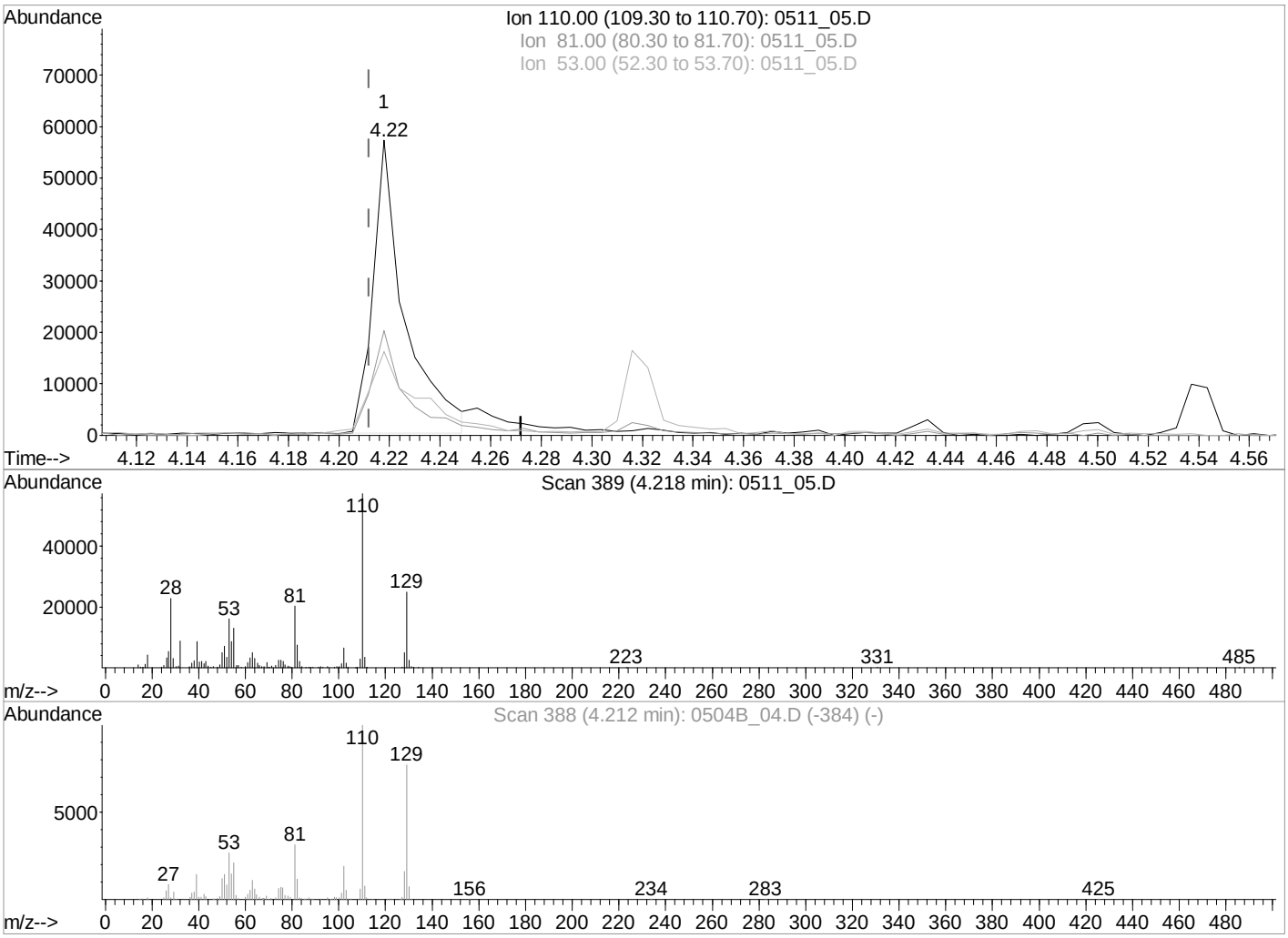
Ion	Exp%	Act%
128.00	100	100
129.00	10.90	11.06
127.00	13.10	13.59
102.00	8.20	9.64

0511_05.D S804E04BV.M Wed May 11 09:03:33 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 05.D Vial: 78
Acq On : 11 May 2022 7:01 am Operator: 3545
Sample : LCS 1x WG1861634 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 9:03 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Single Level Calibration



TIC: 0511_05.D

(37) Hydroquinone

4.22min (+0.006) 9463.0885681 ppb

Qvalue = 93

response 49827

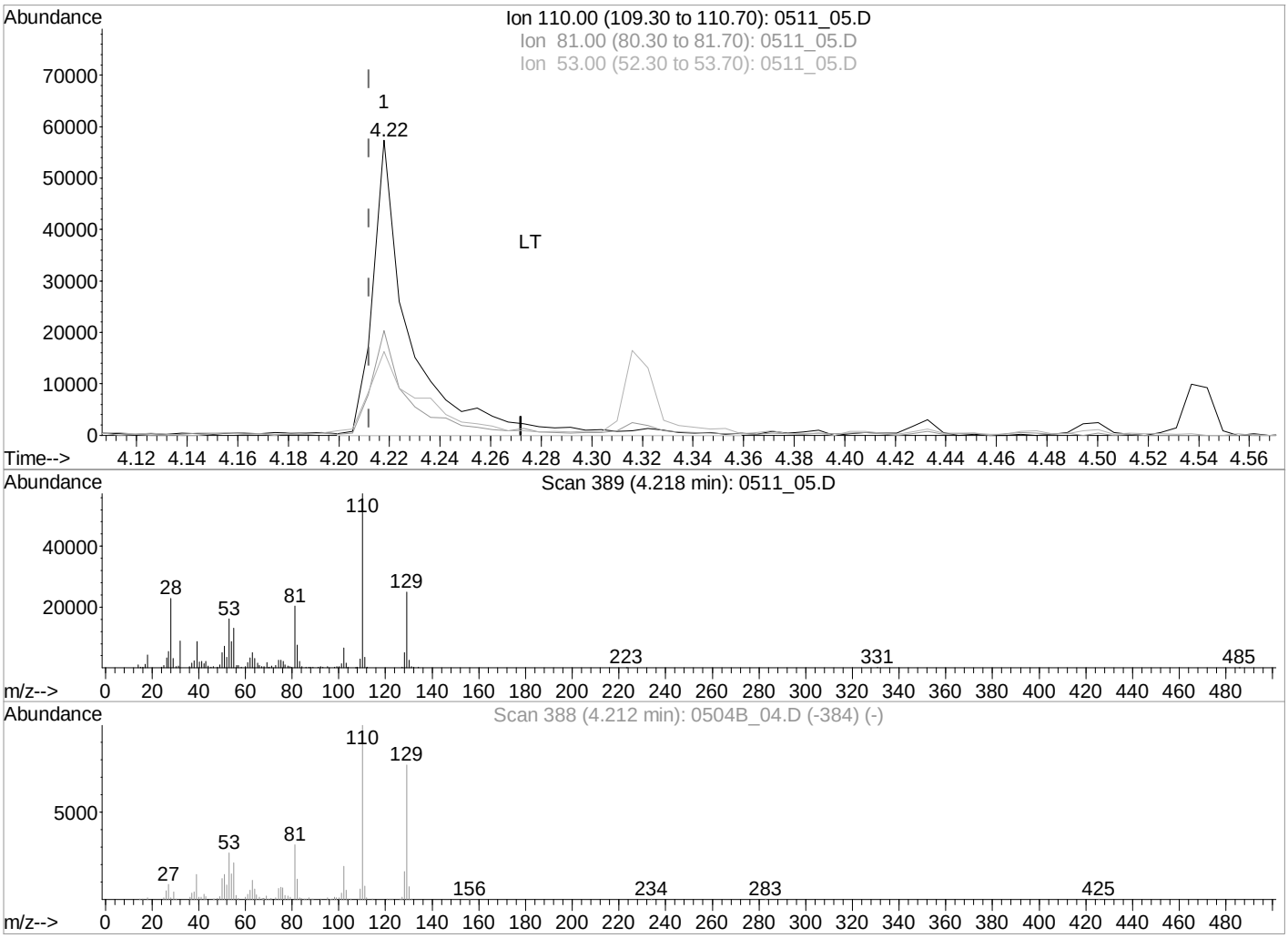
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	35.27
53.00	25.90	28.11
0.00	0.00	0.00

0511_05.D S804E04BV.M Wed May 11 09:03:41 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 05.D Vial: 78
Acq On : 11 May 2022 7:01 am Operator: 3545
Sample : LCS 1x WG1861634 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 9:03 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Single Level Calibration



TIC: 0511_05.D

(37) Hydroquinone

4.22min (+0.006) 11643.9482922 ppb m

response 60662

Ion	Exp%	Act%
110.00	100	100
81.00	29.80	35.36
53.00	25.90	28.28
0.00	0.00	0.00

0511_05.D S804E04BV.M Wed May 11 09:03:46 2022

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3790422-3	**SDG:**	L1488800
Client Sample ID:	MS	**Collected Date/Time:**	04/29/22 11:25
Lab File ID:	0511_31	**Received Date/Time:**	05/03/22 09:30
Instrument ID:	BNAMS4	**Preparation Date/Time:**	05/10/22 22:02
Analytical Batch:	WG1861634	**Analysis Date/Time:**	05/11/22 16:43
Dilution Factor:	2	**Prep Method:**	3546
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	15.48 g
Total Solids (%):	70.4	**Final Wt/Vol:**	1.0 mL

Analyte	CAS	RT	Result (dry)	Qualifier	MDL (dry)	RDL (dry)
			mg/kg		*mg/kg*	*mg/kg*
Acenaphthene	83-32-9	5.16	0.667		0.0154	0.0947
Acenaphthylene	208-96-8	5.05	0.689		0.0133	0.0947
Anthracene	120-12-7	6.32	0.652		0.0169	0.0947
Benzoic Acid	65-85-0	3.81	2.12		0.335	4.75
Benzo(a)anthracene	56-55-3	8.99	0.657		0.0166	0.0947
Benzo(b)fluoranthene	205-99-2	10.90	0.712		0.0176	0.0947
Benzo(k)fluoranthene	207-08-9	10.96	0.739		0.0168	0.0947
Benzo(g,h,i)perylene	191-24-2	14.03	0.422		0.0173	0.0947
Benzo(a)pyrene	50-32-8	11.55	0.758		0.0176	0.0947
Carbazole	86-74-8	6.45	0.655		0.0293	0.947
Chrysene	218-01-9	9.05	0.655		0.0188	0.0947
Dibenz(a,h)anthracene	53-70-3	13.73	0.522		0.0263	0.0947
Dibenzofuran	132-64-9	5.29	0.665		0.0310	0.947
Fluoranthene	206-44-0	7.28	0.729		0.0171	0.0947
Fluorene	86-73-7	5.54	0.705		0.0154	0.0947
Indeno(1,2,3-cd)pyrene	193-39-5	13.68	0.469		0.0267	0.0947
1-Methylnaphthalene	90-12-0	4.49	0.569		0.0121	0.0947
2-Methylnaphthalene	91-57-6	4.43	0.549		0.0123	0.0947
Naphthalene	91-20-3	4	0.556		0.0237	0.0947
Phenanthrene	85-01-8	6.28	0.640		0.0188	0.0947
Bis(2-ethylhexyl)phthalate	117-81-7	9.08	0.776		0.120	0.947
Di-n-butyl phthalate	84-74-2	6.71	0.773		0.0324	0.947
Di-n-octyl phthalate	117-84-0	10.27	0.785		0.0640	0.947
Pyrene	129-00-0	7.49	0.658		0.0185	0.0947
3&4-Methyl Phenol	3&4-Methyl Phenol	3.45	0.760		0.0296	0.947
Pentachlorophenol	87-86-5	6.12	0.751		0.0254	0.947
Phenol	108-95-2	3.05	0.675		0.0381	0.947

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051122\0511 31.D Vial: 8
Acq On : 11 May 2022 4:43 pm Operator: 3545
Sample : MS 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:10 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	45338	8000.00	ppb	0.00
23) Naphthalene-d8	3.98	136	203360	8000.00	ppb	0.00
46) Acenaphthene-d10	5.15	164	93414	8000.00	ppb	0.00
70) Phenanthrene-d10	6.26	188	195238	8000.00	ppb	0.00
84) Chrysene-d12	9.01	240	191759	8000.00	ppb	0.00
94) Perylene-d12	11.67	264	166442	8000.00	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.60	112	51247	6955.9851952	ppb	0.02
Spiked Amount 20000.000	Range 20 - 120		Recovery = 34.78%			
7) Phenol-d5	3.04	99	58984	6670.5878117	ppb	0.00
Spiked Amount 20000.000	Range 20 - 120		Recovery = 33.35%			
24) Nitrobenzene-d5	3.56	82	29235m	3388.1465100	ppb	0.00
Spiked Amount 10000.000	Range 18 - 125		Recovery = 33.88%			
50) 2-Fluorobiphenyl	4.67	172	48978	3108.0809181	ppb	0.00
Spiked Amount 10000.000	Range 28 - 120		Recovery = 31.08%			
73) 2,4,6-Tribromophenol	5.72	330	15401	6968.4141272	ppb	0.00
Spiked Amount 20000.000	Range 17 - 137		Recovery = 34.84%			
87) p-Terphenyl-d14	7.65	244	89092	3399.6712381	ppb	0.00
Spiked Amount 10000.000	Range 13 - 131		Recovery = 34.00%			
Target Compounds						Qvalue
2) Pyridine	1.99	79	49324	7031.0994962	ppb	# 87
3) N-Nitrosodimethylamine	1.98	42	29527	7842.0693227	ppb	93
5) Aniline	3.08	66	18108	4316.7811414	ppb	# 48
6) bis(2-Chloroethyl)ether	3.09	93	49880m	7655.1792131	ppb	
8) Phenol	3.05	94	68427m	7346.5300518	ppb	
9) Benzaldehyde	3.03	105	41263	20462.4374104	ppb	# 90
10) 2-Chlorophenol	3.14	128	52747	7072.9648811	ppb	93
11) n-Decane	3.14	41	26319	5991.6526477	ppb	# 98
12) 1,3-Dichlorobenzene	3.22	146	53255	6315.7343077	ppb	94
13) 1,4-Dichlorobenzene	3.26	146	56693	6532.2489284	ppb	95
14) Benzyl Alcohol	3.32	79	41003	7108.8450388	ppb	96
15) 1,2-Dichlorobenzene	3.35	146	53690	6729.7122089	ppb	93
16) bis(2-Chloroisopropyl)ethe	3.38	121	17894	6554.4940510	ppb	# 23
17) 2,2-oxybis(1-chloropropane	3.38	121	17894	6554.4940510	ppb	# 23
18) 2-Methylphenol	3.37	108	52461	7784.9255205	ppb	91
19) Hexachloroethane	3.54	117	8442	2679.6069270	ppb	91
20) N-Nitrosodi-n-propylamine	3.46	70	43058	8743.4095946	ppb	90
21) 3&4-Methyl phenol	3.45	107	63361	8277.6517790	ppb	94
22) Acetophenone	3.47	105	72394	7721.2220356	ppb	# 70
25) Nitrobenzene	3.57	77	61465	7285.3485339	ppb	92
26) Isophorone	3.70	82	108308	7156.3644103	ppb	96
27) 2-Nitrophenol	3.75	139	25628	6026.7715357	ppb	80
28) 2,4-Dimethylphenol	3.76	107	57367	7264.0018124	ppb	93
29) bis(2-Chlorethoxy)methane	3.81	93	64769	6693.2016938	ppb	95
30) 2,4-Dichlorophenol	3.89	162	42748	6425.3728899	ppb	89
31) Benzoic Acid	3.81	105	76495	22990.5630482	ppb	93
32) 1,2,4-Trichlorobenzene	3.94	180	46788	6282.6539936	ppb	93
33) alpha-terpineol	3.98	59	54663	8568.7564575	ppb	95
34) Naphthalene	4.00	128	156539	6044.7831165	ppb	99
35) 4-Chloroaniline	4.02	65	10421	3463.3189322	ppb	# 54
36) Hexachloro-1,3-butadiene	4.06	225	27884	6863.4854216	ppb	96
37) Hydroquinone	4.22	110	33163m	7341.0417601	ppb	
38) Quinoline	4.21	129	96917	7151.9238881	ppb	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051122\0511 31.D Vial: 8
Acq On : 11 May 2022 4:43 pm Operator: 3545
Sample : MS 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:10 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

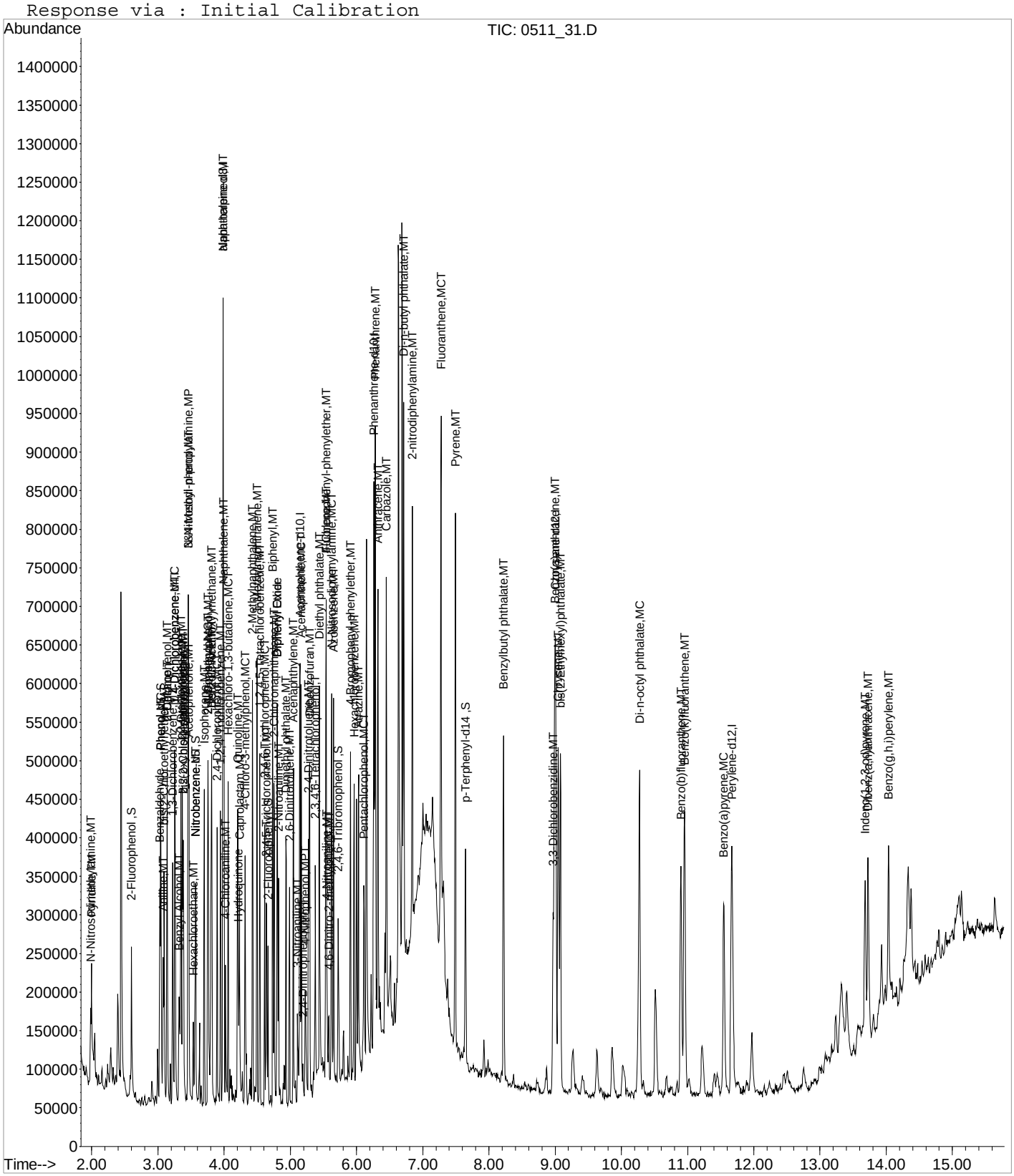
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	Caprolactam	4.23	113	19435	13869.7572593	ppb		88
40)	4-Chloro-3-methylphenol	4.32	107	45810	6830.7847469	ppb		84
41)	2-Methylnaphthalene	4.43	142	100893	5979.0331078	ppb	#	93
42)	1-Methylnaphthalene	4.49	142	98163	6190.1470869	ppb	#	96
43)	1,2,4,5-Tetrachlorobenzene	4.54	216	44577	8189.4836873	ppb		97
44)	Diphenyl Ether	4.80	170	64580	7437.5323134	ug/ml	#	79
45)	Diphenyl Oxide	4.80	170	64580	7437.5323134	ug/ml	#	79
48)	2,4,6-Trichlorophenol	4.61	196	31768	7840.7893729	ppb		91
49)	2,4,5-Trichlorophenol	4.64	196	31911	7567.9618610	ppb		96
51)	Biphenyl	4.73	154	123455	7055.1587062	ppb		98
52)	2-Chloronaphthalene	4.76	162	93536	7004.1368975	ppb		99
53)	2-Nitroaniline	4.82	138	34546	8345.2780244	ppb	#	77
54)	Acenaphthylene	5.05	152	156073	7512.3938550	ppb		99
55)	Dimethyl phthalate	4.94	163	105405	7618.4427450	ppb		96
56)	2,6-Dinitrotoluene	4.99	165	24792	7728.7186044	ppb	#	79
57)	3-Nitroaniline	5.11	138	18160	5258.1054577	ppb		98
58)	Acenaphthene	5.16	153	99127	7253.0848589	ppb		97
59)	2,4-Dinitrophenol	5.19	184	4192	2800.4786803	ppb	#	1
60)	Dibenzofuran	5.29	168	137413	7249.9665701	ppb	#	91
61)	2,4-Dinitrotoluene	5.27	165	34635	8621.9385319	ppb	#	72
62)	2,3,4,6-Tetrachlorophenol	5.38	232	22986	8628.7979700	ppb		91
63)	4-Nitrophenol	5.23	139	23113	8101.9649274	ppb	#	83
64)	Fluorene	5.54	166	118061	7679.0752291	ppb		97
65)	4-Chlorophenyl-phenylether	5.53	204	53971	7402.4960153	ppb		89
66)	Diethyl phthalate	5.44	149	116749	8236.5510063	ppb		98
67)	4-Nitroaniline	5.56	138	24856	7684.0007983	ppb	#	86
68)	Azobenzene	5.66	77	137181	9702.1739677	ppb		92
69)	Atrazine	6.03	200	34490	9028.7181287	ppb		98
71)	4,6-Dinitro-2-methylphenol	5.58	198	8729	3583.6954073	ppb		89
72)	N-Nitrosodiphenylamine	5.62	169	98036	6607.9874947	ppb		99
74)	4-Bromophenyl-phenylether	5.91	248	34313	7126.3156155	ppb	#	84
75)	Hexachlorobenzene	5.96	284	38040	7100.2093073	ppb		98
77)	Pentachlorophenol	6.12	266	24164	8170.2980610	ppb		97
78)	Phenanthrene	6.28	178	178896	6964.2208291	ppb		97
79)	Anthracene	6.32	178	184847	7109.1153775	ppb		98
80)	Carbazole	6.45	167	169243	7133.9882962	ppb		97
81)	Di-n-butyl phthalate	6.71	149	233884	8421.2628238	ppb		98
82)	2-nitrodiphenylamine	6.84	167	53237	10811.6674631	ppb	#	100
83)	Fluoranthene	7.28	202	216577	7936.3065570	ppb		99
86)	Pyrene	7.49	202	221225	7169.8881849	ppb		98
88)	Benzylbutyl phthalate	8.22	149	105902	8393.9786141	ppb		94
89)	3,3-Dichlorobenzidine	8.97	252	65742	6659.2660548	ppb		95
90)	Benzo(a)anthracene	8.99	228	197368	7147.8648985	ppb		98
91)	Chrysene	9.05	228	191047	7139.5556180	ppb		97
92)	bis(2-Ethylhexyl)phthalate	9.08	149	146753	8444.7207480	ppb		97
93)	Di-n-octyl phthalate	10.27	149	246579	8541.1902634	ppb		100
95)	Benzo(b)fluoranthene	10.90	252	183837	7753.3896440	ppb		96
96)	Benzo(k)fluoranthene	10.96	252	187818	8041.9246803	ppb		96
97)	Benzo(a)pyrene	11.55	252	169539	8255.7560922	ppb		95
98)	Indeno(1,2,3-cd)pyrene	13.68	276	103167	5113.2796011	ppb		95
99)	Dibenz(a,h)anthracene	13.73	278	122228	5684.1898420	ppb		93
100)	Benzo(g,h,i)perylene	14.03	276	96708	4605.1169307	ppb		94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051122\0511 31.D Vial: 8
Acq On : 11 May 2022 4:43 pm Operator: 3545
Sample : MS 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:10 2022 Quant Results File: S804E04BV.RES

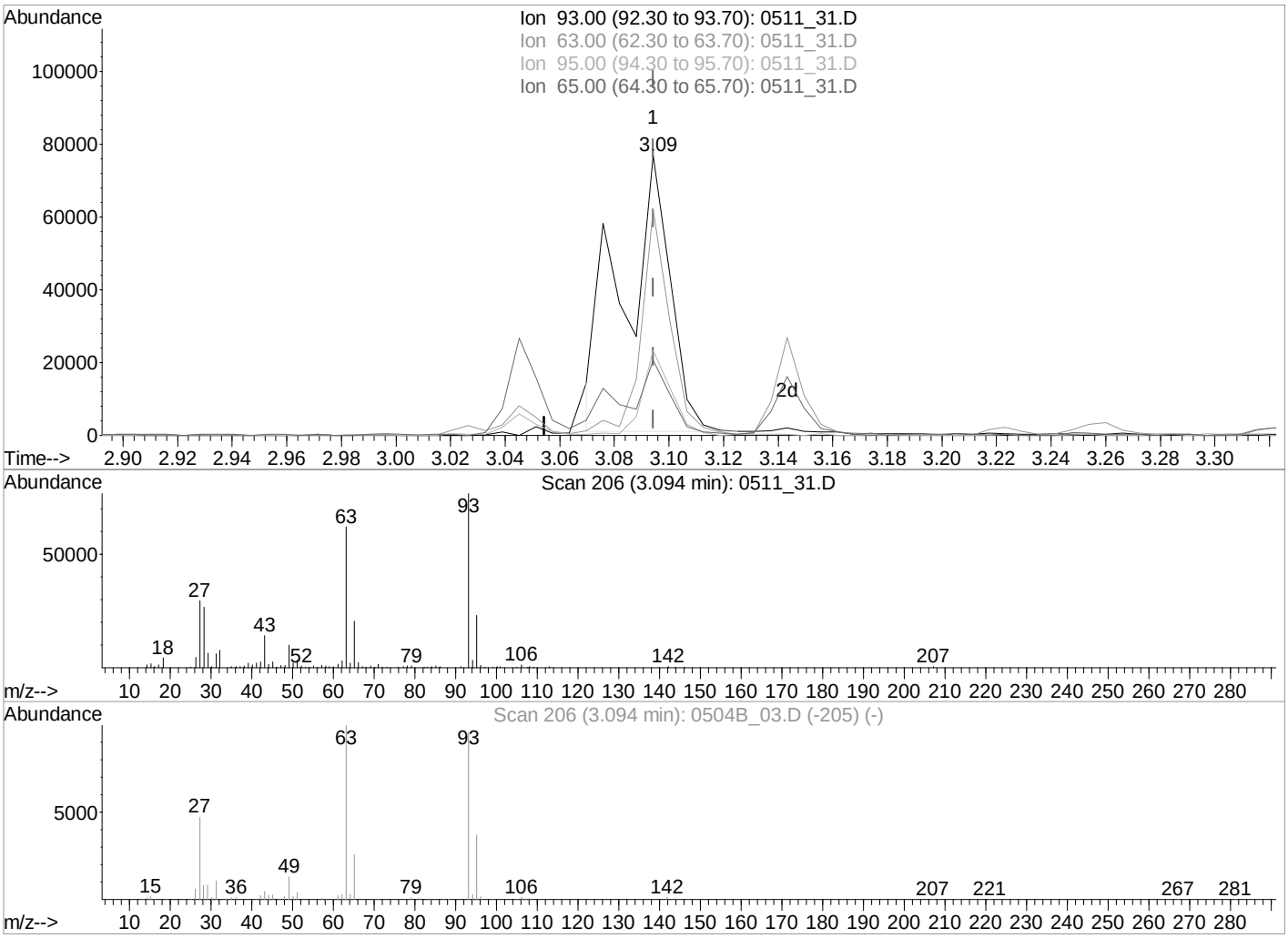
Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 31.D Vial: 8
Acq On : 11 May 2022 4:43 pm Operator: 3545
Sample : MS 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 17:28 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0511_31.D

(6) bis(2-Chloroethyl)ether (MT)

3.09min (0.000) 14032.0908307 ppb

Qvalue = 95

response 91431

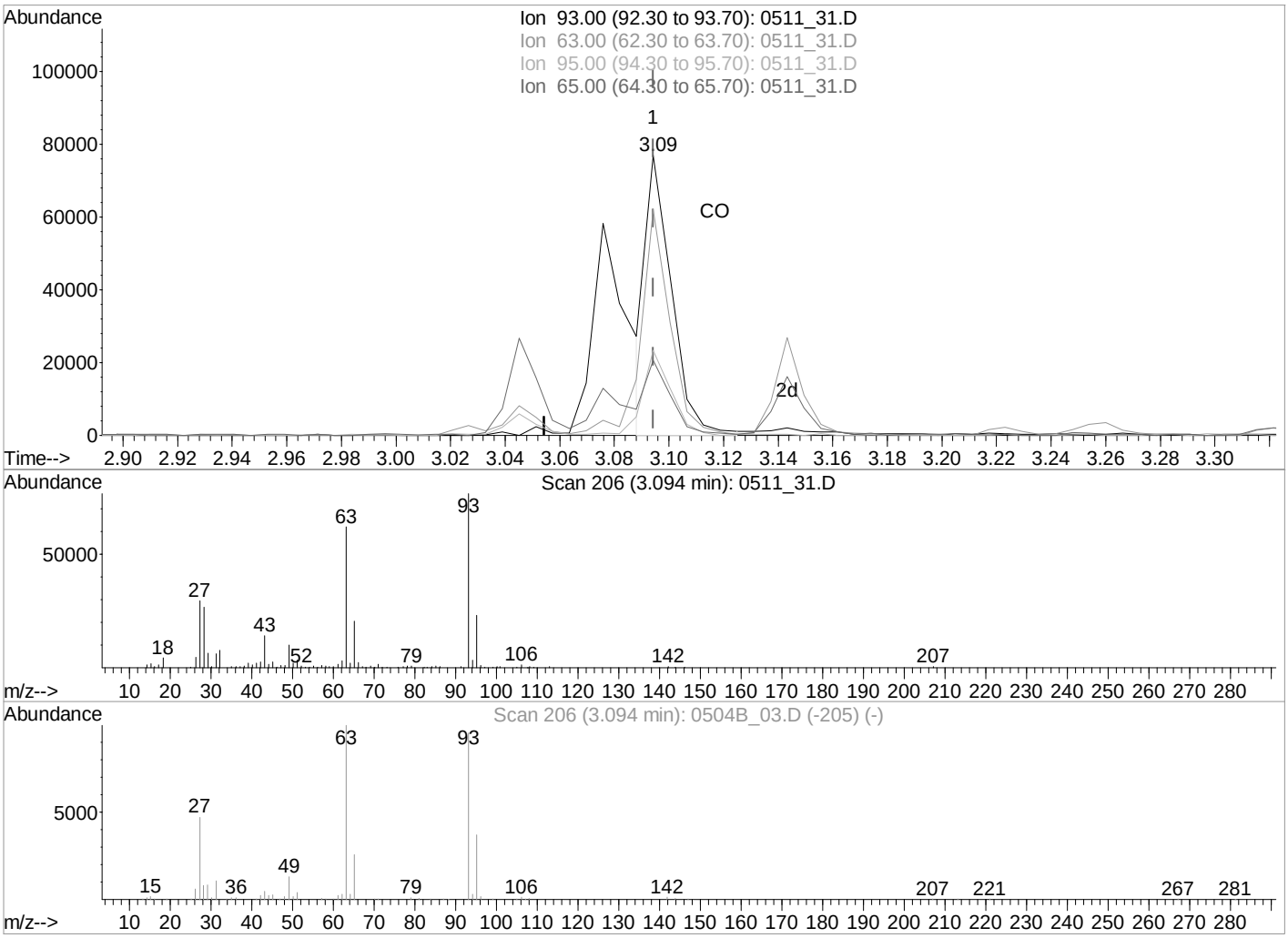
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	81.36
95.00	30.20	30.31
65.00	24.00	26.67

0511_31.D S804E04BV.M Thu May 12 13:09:22 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 31.D Vial: 8
Acq On : 11 May 2022 4:43 pm Operator: 3545
Sample : MS 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:09 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0511_31.D

(6) bis(2-Chloroethyl)ether (MT)

3.09min (0.000) 7655.1792131 ppb m

response 49880

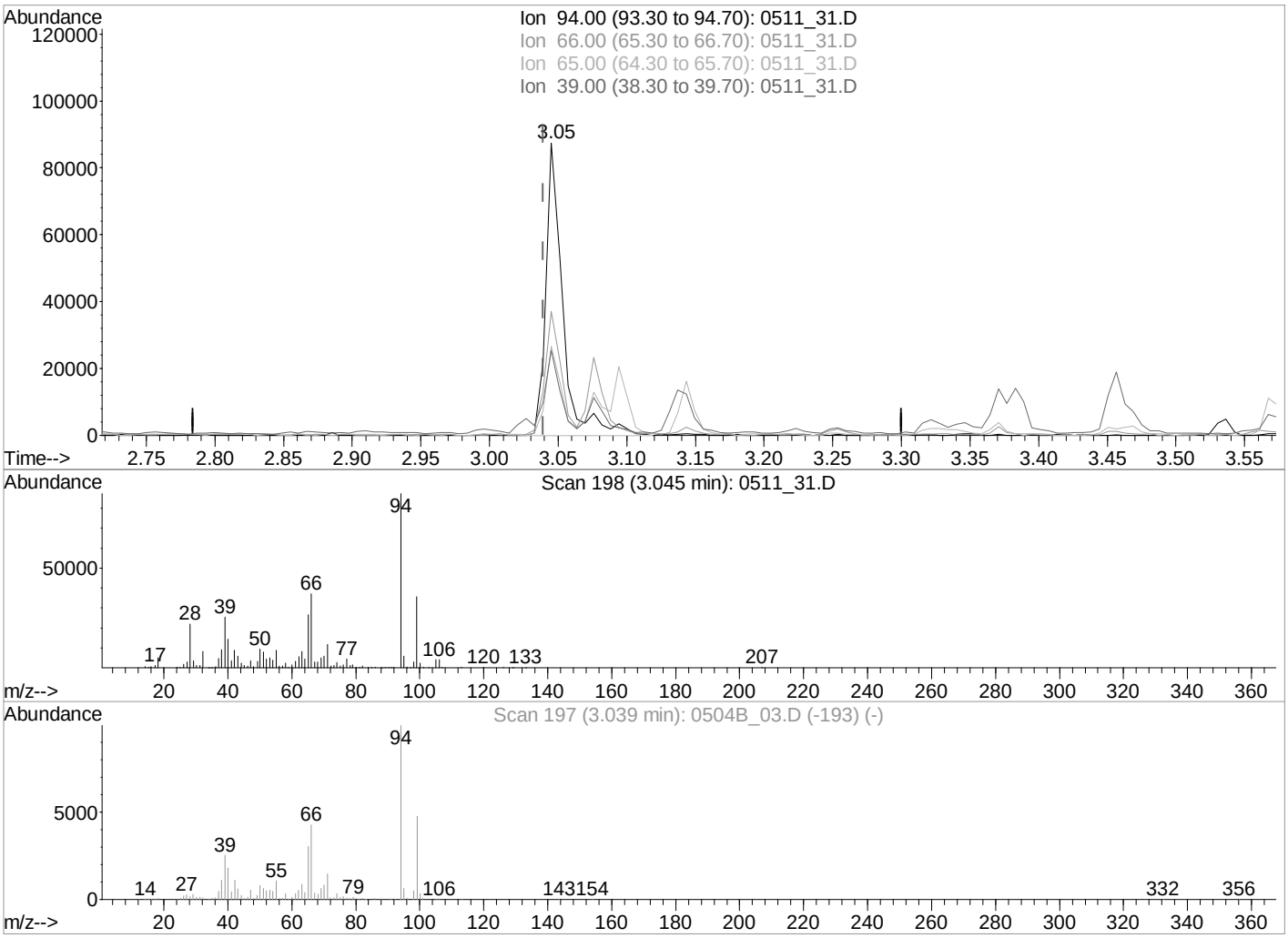
Ion	Exp%	Act%
93.00	100	100
63.00	76.20	80.71
95.00	30.20	30.24
65.00	24.00	26.70

0511_31.D S804E04BV.M Thu May 12 13:09:26 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 31.D Vial: 8
Acq On : 11 May 2022 4:43 pm Operator: 3545
Sample : MS 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:09 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0511_31.D

(8) Phenol (MC)

3.05min (+0.006) 8025.2791273 ppb

Qvalue = 90

response 74749

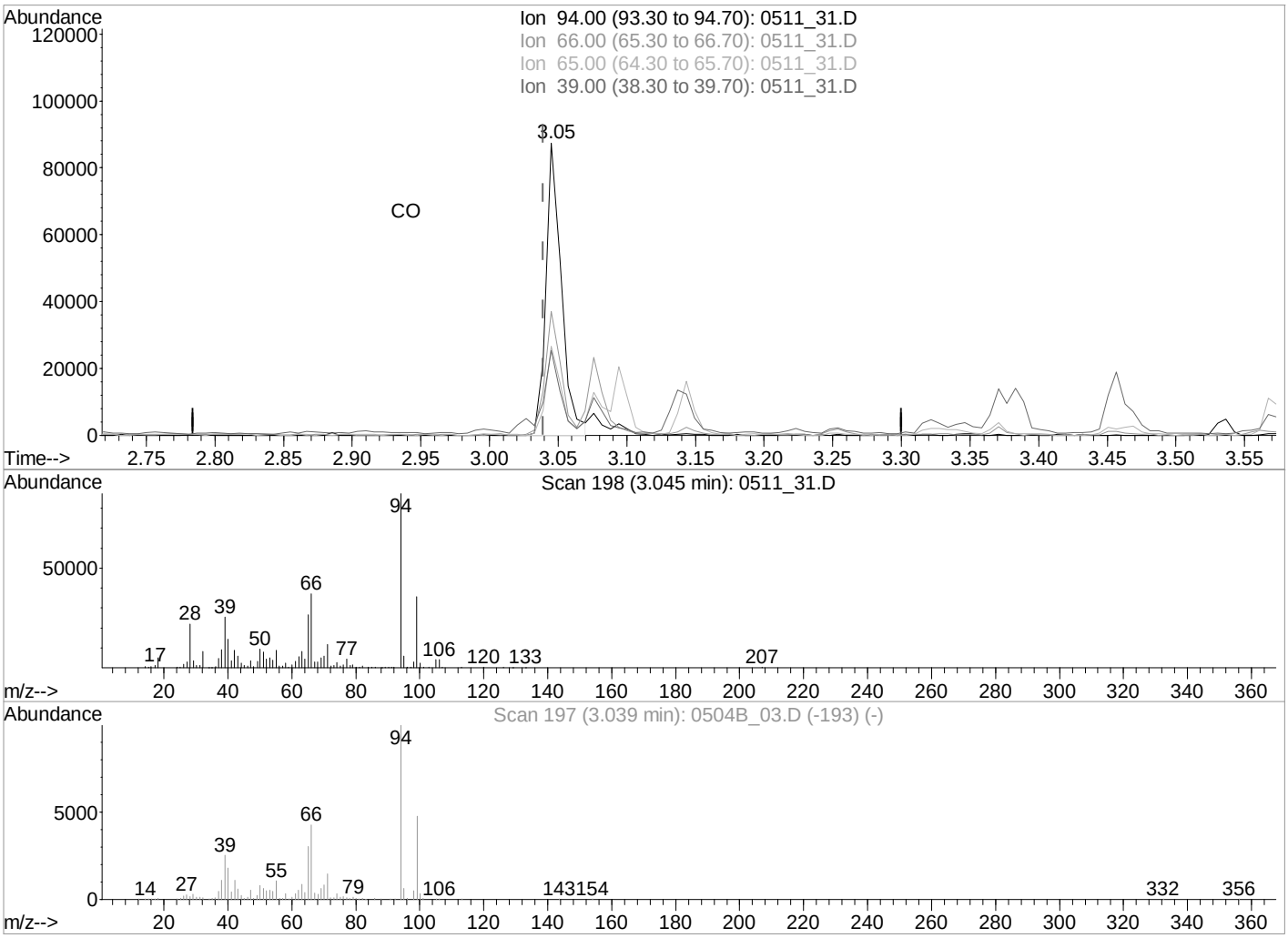
Ion	Exp%	Act%
94.00	100	100
66.00	34.70	42.33
65.00	27.70	30.20
39.00	22.50	28.33

0511_31.D S804E04BV.M Thu May 12 13:09:30 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 31.D Vial: 8
Acq On : 11 May 2022 4:43 pm Operator: 3545
Sample : MS 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:09 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0511_31.D

(8) Phenol (MC)

3.05min (+0.006) 7346.5300518 ppb m

response 68427

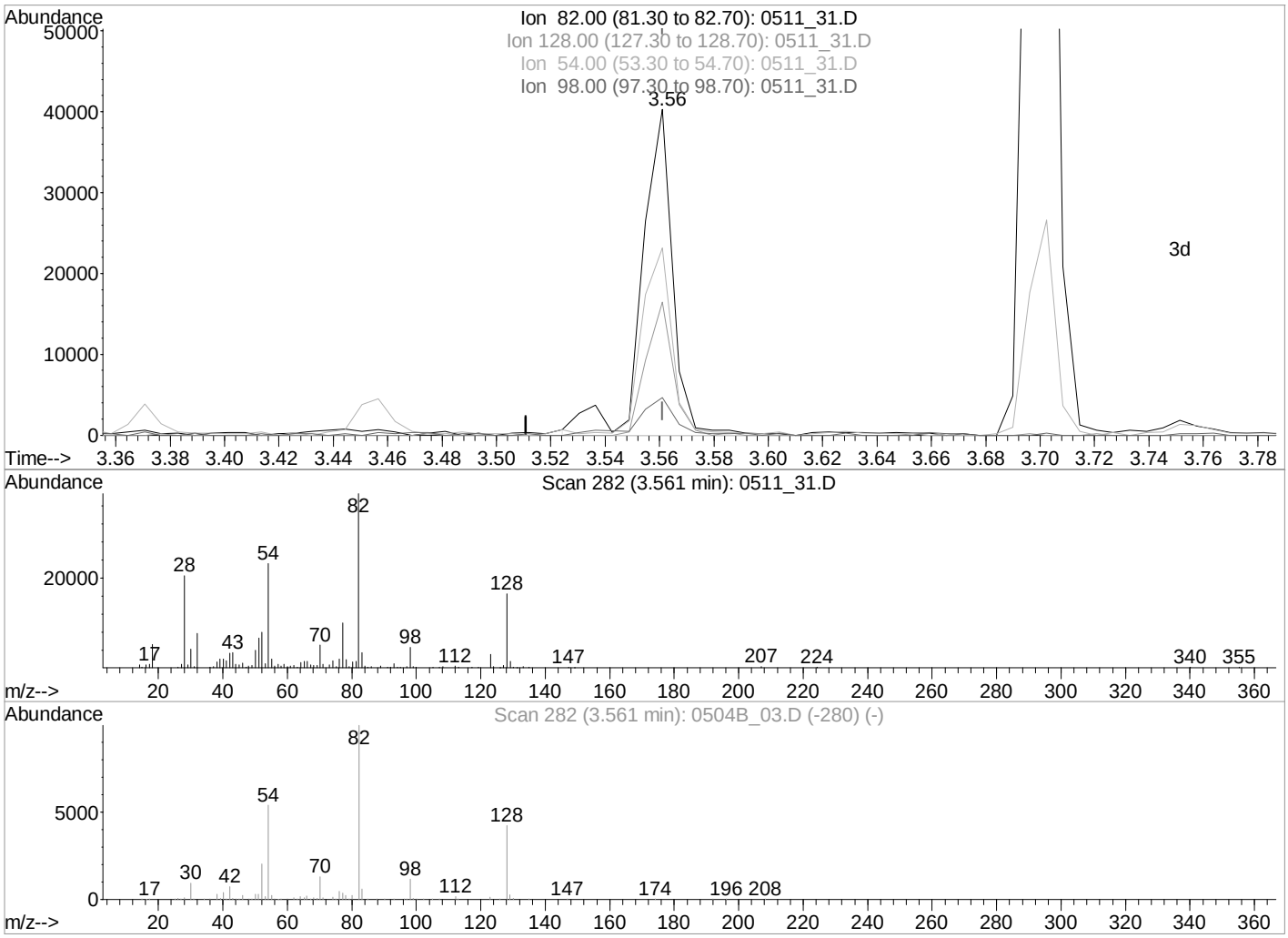
Ion	Exp%	Act%
94.00	100	100
66.00	34.70	42.33
65.00	27.70	30.41
39.00	22.50	29.07

0511_31.D S804E04BV.M Thu May 12 13:09:34 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 31.D Vial: 8
Acq On : 11 May 2022 4:43 pm Operator: 3545
Sample : MS 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:09 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0511_31.D

(24) Nitrobenzene-d5 (S)

3.56min (+0.000) 3673.8239907 ppb

Qvalue = 94

response 31700

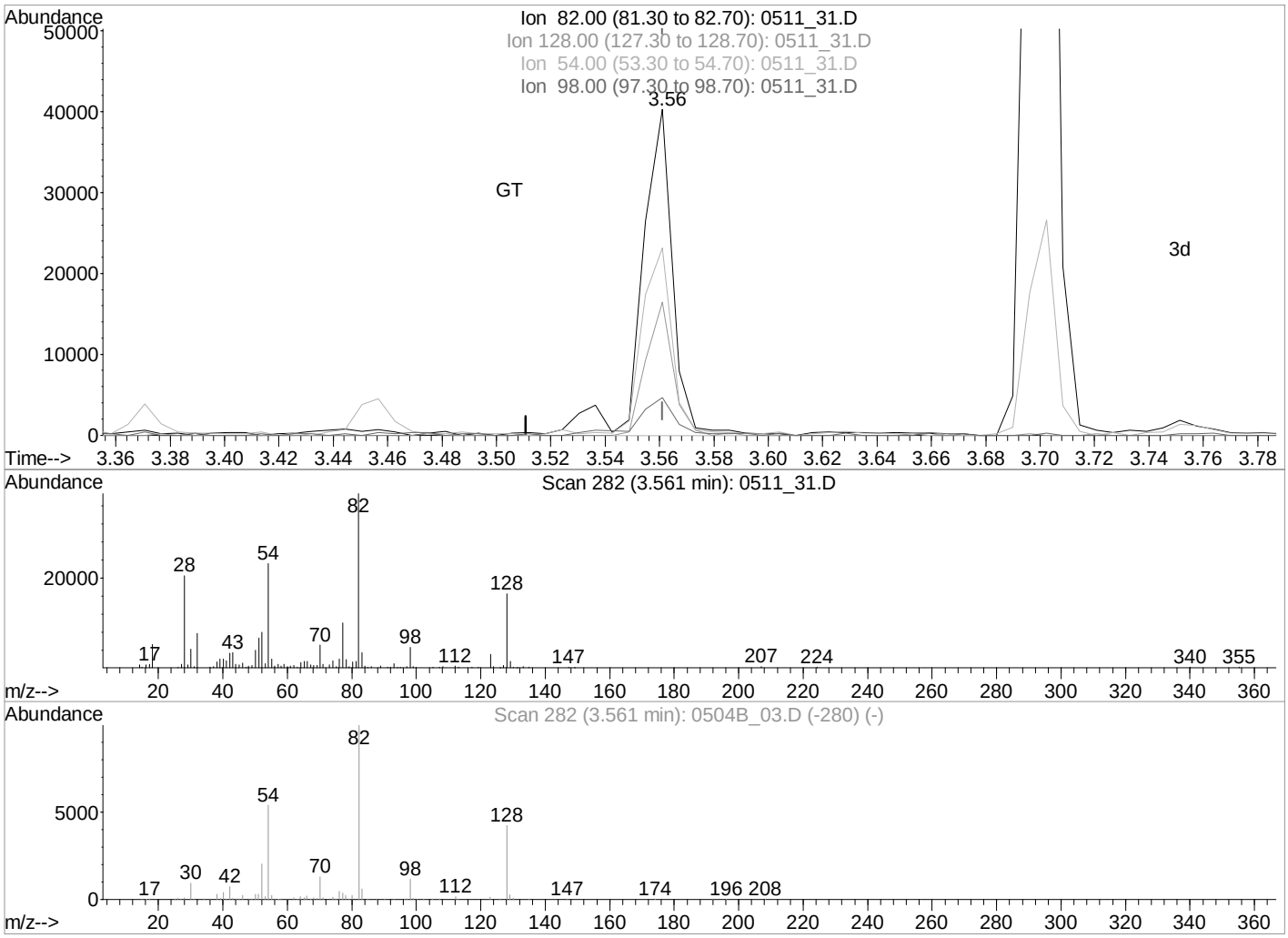
Ion	Exp%	Act%
82.00	100	100
128.00	49.30	40.85
54.00	56.90	57.54
98.00	11.80	11.57

0511_31.D S804E04BV.M Thu May 12 13:09:49 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 31.D Vial: 8
Acq On : 11 May 2022 4:43 pm Operator: 3545
Sample : MS 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:09 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0511_31.D

(24) Nitrobenzene-d5 (S)

3.56min (+0.000) 3388.1465100 ppb m

response 29235

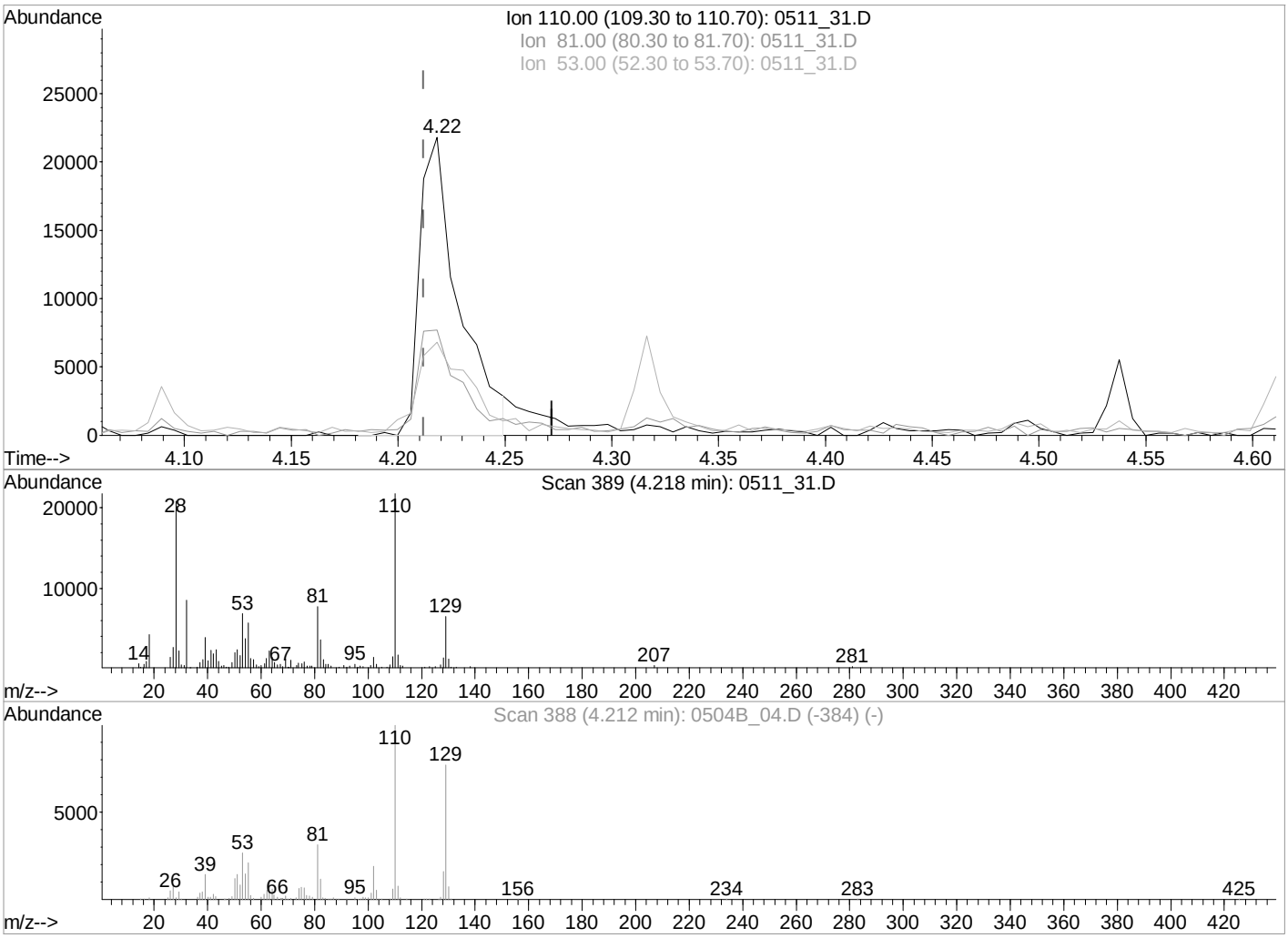
Ion	Exp%	Act%
82.00	100	100
128.00	49.30	42.50
54.00	56.90	59.86
98.00	11.80	12.04

0511_31.D S804E04BV.M Thu May 12 13:09:53 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 31.D Vial: 8
Acq On : 11 May 2022 4:43 pm Operator: 3545
Sample : MS 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:09 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Single Level Calibration



TIC: 0511_31.D

(37) Hydroquinone

4.22min (+0.006) 6025.1406115 ppb

Qvalue = 92

response 27644

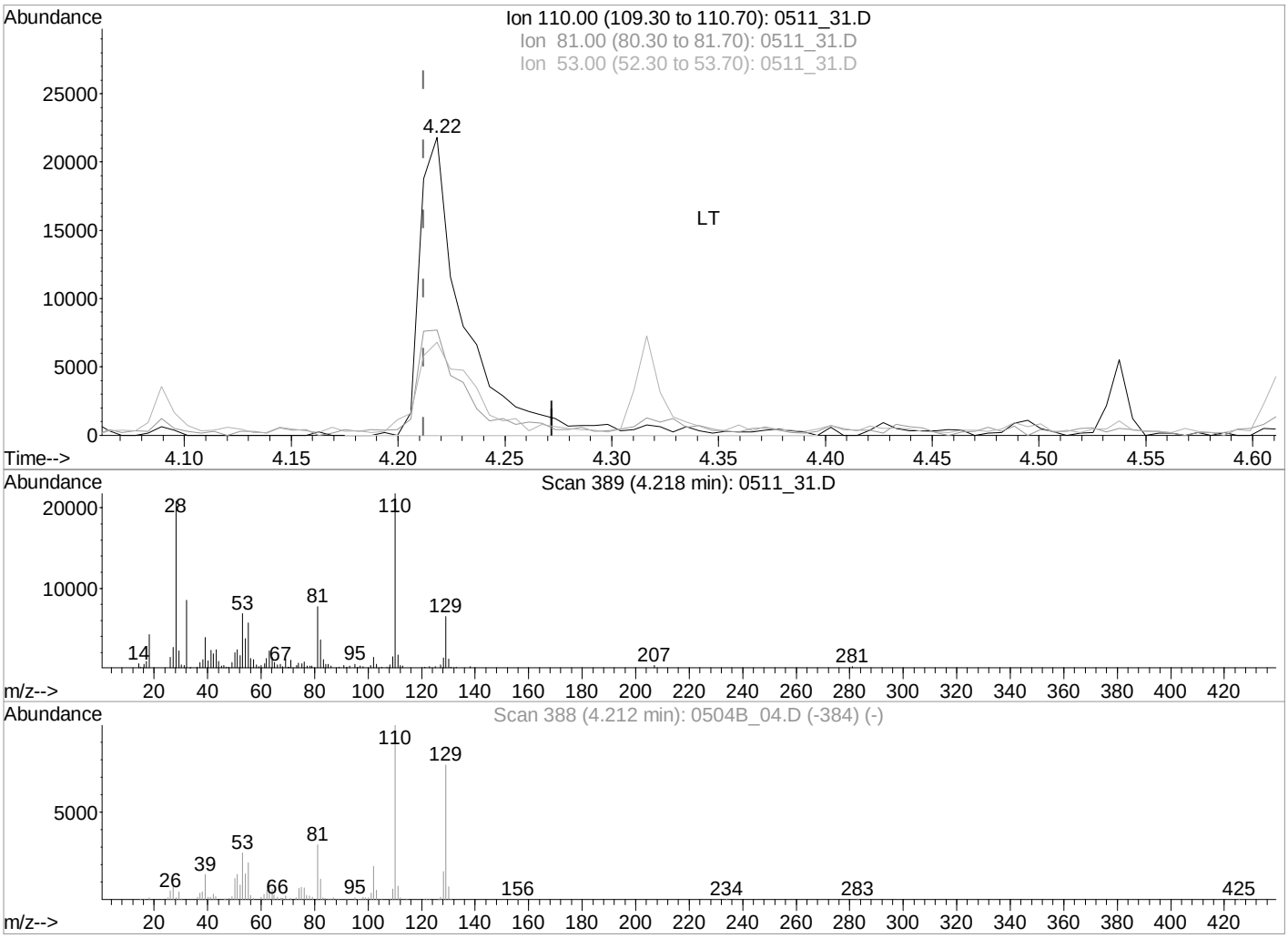
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	33.94
53.00	25.90	29.70
0.00	0.00	0.00

0511_31.D S804E04BV.M Thu May 12 13:10:04 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 31.D Vial: 8
Acq On : 11 May 2022 4:43 pm Operator: 3545
Sample : MS 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:10 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Single Level Calibration



TIC: 0511_31.D

(37) Hydroquinone

4.22min (+0.006) 7341.0417601 ppb m

response 33163

Ion	Exp%	Act%
110.00	100	100
81.00	29.80	35.27
53.00	25.90	31.26
0.00	0.00	0.00

0511_31.D S804E04BV.M Thu May 12 13:10:08 2022

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3790422-4	**SDG:**	L1488800
Client Sample ID:	MSD	**Collected Date/Time:**	04/29/22 11:25
Lab File ID:	0511_32	**Received Date/Time:**	05/03/22 09:30
Instrument ID:	BNAMS4	**Preparation Date/Time:**	05/10/22 22:02
Analytical Batch:	WG1861634	**Analysis Date/Time:**	05/11/22 17:04
Dilution Factor:	2	**Prep Method:**	3546
Analytical Method:	8270E	**Sample Vol Used:**	
Matrix:	Solid	**Initial Wt/Vol:**	15.49 g
Total Solids (%):	70.4	**Final Wt/Vol:**	1.0 mL

Analyte	CAS	RT	Result (dry)	Qualifier	MDL (dry)	RDL (dry)
			mg/kg		*mg/kg*	*mg/kg*
Acenaphthene	83-32-9	5.16	0.689		0.0154	0.0947
Acenaphthylene	208-96-8	5.05	0.728		0.0133	0.0947
Anthracene	120-12-7	6.32	0.682		0.0169	0.0947
Benzoic Acid	65-85-0	3.80	1.85		0.335	4.75
Benzo(a)anthracene	56-55-3	8.99	0.702		0.0166	0.0947
Benzo(b)fluoranthene	205-99-2	10.90	0.701		0.0176	0.0947
Benzo(k)fluoranthene	207-08-9	10.96	0.688		0.0168	0.0947
Benzo(g,h,i)perylene	191-24-2	14.03	0.432		0.0173	0.0947
Benzo(a)pyrene	50-32-8	11.55	0.738		0.0176	0.0947
Carbazole	86-74-8	6.45	0.661		0.0293	0.947
Chrysene	218-01-9	9.05	0.671		0.0188	0.0947
Dibenz(a,h)anthracene	53-70-3	13.73	0.529		0.0263	0.0947
Dibenzofuran	132-64-9	5.29	0.678		0.0310	0.947
Fluoranthene	206-44-0	7.27	0.735		0.0171	0.0947
Fluorene	86-73-7	5.54	0.685		0.0154	0.0947
Indeno(1,2,3-cd)pyrene	193-39-5	13.68	0.496		0.0267	0.0947
1-Methylnaphthalene	90-12-0	4.49	0.576		0.0121	0.0947
2-Methylnaphthalene	91-57-6	4.43	0.567		0.0123	0.0947
Naphthalene	91-20-3	4	0.547		0.0237	0.0947
Phenanthrene	85-01-8	6.28	0.664		0.0188	0.0947
Bis(2-ethylhexyl)phthalate	117-81-7	9.08	0.768		0.120	0.947
Di-n-butyl phthalate	84-74-2	6.71	0.782		0.0324	0.947
Di-n-octyl phthalate	117-84-0	10.27	0.807		0.0640	0.947
Pyrene	129-00-0	7.49	0.662		0.0185	0.0947
3&4-Methyl Phenol	3&4-Methyl Phenol	3.46	0.739		0.0296	0.947
Pentachlorophenol	87-86-5	6.12	0.743		0.0254	0.947
Phenol	108-95-2	3.05	0.658		0.0381	0.947

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051122\0511 32.D Vial: 9
Acq On : 11 May 2022 5:04 pm Operator: 3545
Sample : MSD 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:12 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.25	152	43816	8000.00	ppb		0.00
23) Naphthalene-d8	3.98	136	191135	8000.00	ppb		0.00
46) Acenaphthene-d10	5.15	164	85264	8000.00	ppb		0.00
70) Phenanthrene-d10	6.26	188	176095	8000.00	ppb		0.00
84) Chrysene-d12	9.00	240	172867	8000.00	ppb		0.00
94) Perylene-d12	11.67	264	163952	8000.00	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.60	112	43187	6065.5874572	ppb		0.02
Spiked Amount 20000.000	Range 20 - 120		Recovery = 30.33%				
7) Phenol-d5	3.04	99	48578	5684.5899832	ppb		0.00
Spiked Amount 20000.000	Range 20 - 120		Recovery = 28.42%				
24) Nitrobenzene-d5	3.56	82	24346m	3002.0091639	ppb		0.00
Spiked Amount 10000.000	Range 18 - 125		Recovery = 30.02%				
50) 2-Fluorobiphenyl	4.67	172	44566	3098.4264558	ppb		0.00
Spiked Amount 10000.000	Range 28 - 120		Recovery = 30.98%				
73) 2,4,6-Tribromophenol	5.72	330	12813	6427.6642474	ppb		0.00
Spiked Amount 20000.000	Range 17 - 137		Recovery = 32.14%				
87) p-Terphenyl-d14	7.65	244	69796	2954.4211776	ppb		0.00
Spiked Amount 10000.000	Range 13 - 131		Recovery = 29.54%				
Target Compounds							Qvalue
2) Pyridine	1.99	79	41791	6164.2088986	ppb		99
3) N-Nitrosodimethylamine	1.98	42	26596	7308.9889873	ppb	#	78
5) Aniline	3.08	66	23828	5877.6912134	ppb	#	22
6) bis(2-Chloroethyl)ether	3.09	93	47003	7464.2147473	ppb		98
8) Phenol	3.05	94	64478m	7163.0164359	ppb		
9) Benzaldehyde	3.03	105	40497	20780.1676202	ppb	#	89
10) 2-Chlorophenol	3.14	128	48097	6673.4645289	ppb		90
11) n-Decane	3.14	41	26566	6257.9637432	ppb	#	98
12) 1,3-Dichlorobenzene	3.22	146	51610	6333.2546687	ppb		91
13) 1,4-Dichlorobenzene	3.26	146	54734	6525.5948326	ppb		93
14) Benzyl Alcohol	3.32	79	38545	6914.8234230	ppb		98
15) 1,2-Dichlorobenzene	3.35	146	51920	6733.9114687	ppb		95
16) bis(2-Chloroisopropyl)ethe	3.38	121	17767	6734.0366107	ppb	#	23
17) 2,2-oxybis(1-chloropropane	3.38	121	17767	6734.0366107	ppb	#	23
18) 2-Methylphenol	3.37	108	49275	7566.1362958	ppb		81
19) Hexachloroethane	3.54	117	8126	2668.8993271	ppb		97
20) N-Nitrosodi-n-propylamine	3.46	70	39910	8385.6808276	ppb		94
21) 3&4-Methyl phenol	3.46	107	59515	8045.2806389	ppb		89
22) Acetophenone	3.47	105	67441	7442.8128623	ppb	#	70
25) Nitrobenzene	3.57	77	58367	7360.6324406	ppb		94
26) Isophorone	3.70	82	102257	7188.6985208	ppb		97
27) 2-Nitrophenol	3.75	139	25565	6396.4811224	ppb		89
28) 2,4-Dimethylphenol	3.76	107	51614	6953.5508445	ppb		93
29) bis(2-Chlorethoxy)methane	3.81	93	60078	6605.5274147	ppb		90
30) 2,4-Dichlorophenol	3.89	162	39598	6332.5860440	ppb		90
31) Benzoic Acid	3.80	105	62688	20045.9334915	ppb		91
32) 1,2,4-Trichlorobenzene	3.95	180	46651	6664.9198493	ppb		99
33) alpha-terpineol	3.98	59	48969	8167.1566238	ppb		99
34) Naphthalene	4.00	128	145214	5966.1197878	ppb		98
35) 4-Chloroaniline	4.02	65	15130	5349.9205366	ppb	#	46
36) Hexachloro-1,3-butadiene	4.06	225	26849	7031.4204658	ppb		98
37) Hydroquinone	4.21	110	35972m	8559.3697889	ppb		
38) Quinoline	4.21	129	90473	7103.4156093	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051122\0511 32.D Vial: 9
Acq On : 11 May 2022 5:04 pm Operator: 3545
Sample : MSD 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:12 2022 Quant Results File: S804E04BV.RES

Quant Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration
DataAcq Meth : BNA4PS

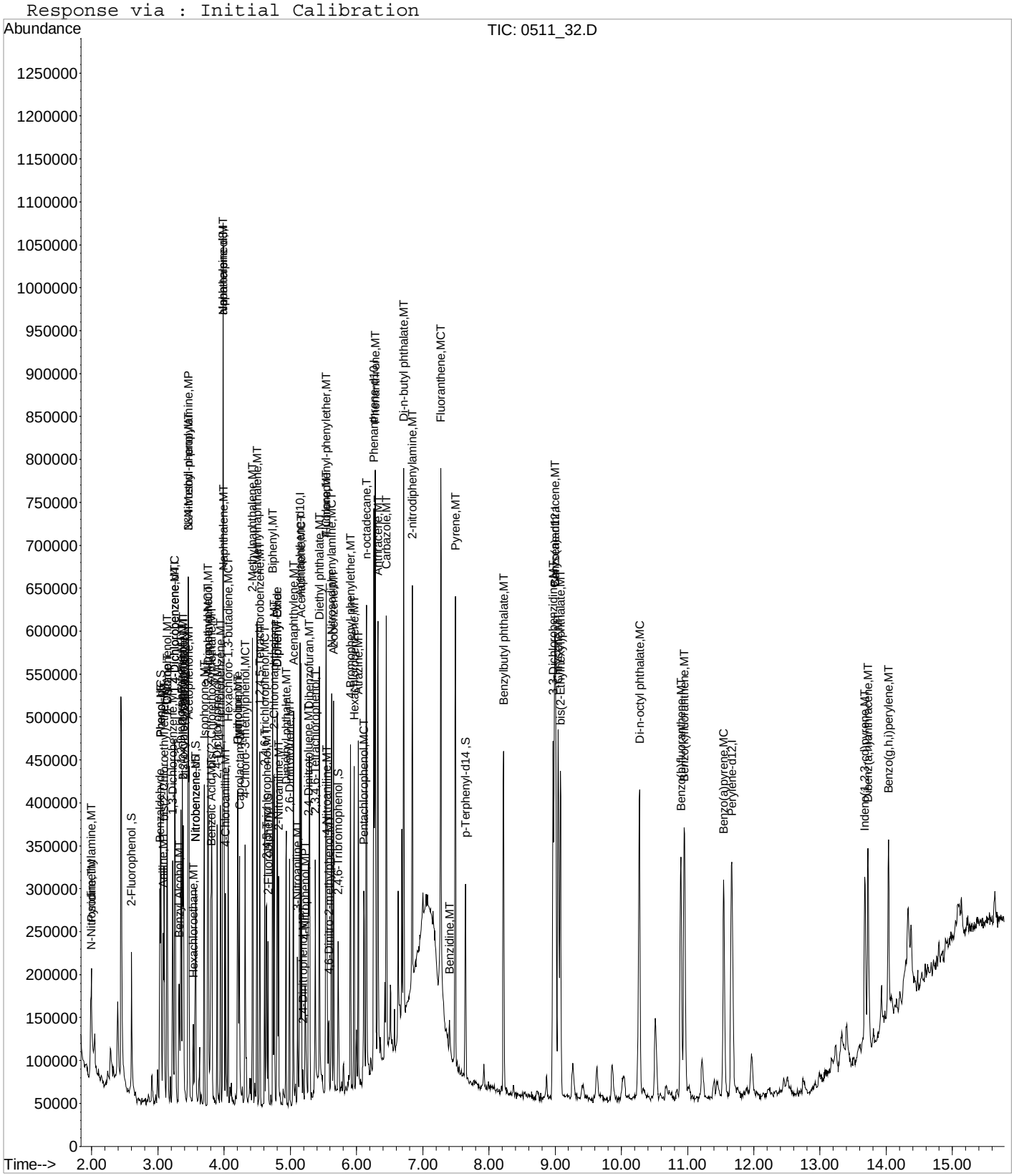
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	Caprolactam	4.23	113	18440	14001.3703875	ppb	#	86
40)	4-Chloro-3-methylphenol	4.32	107	42200	6694.9613086	ppb		84
41)	2-Methylnaphthalene	4.43	142	98067	6183.2687724	ppb	#	93
42)	1-Methylnaphthalene	4.49	142	93438	6269.0537343	ppb		96
43)	1,2,4,5-Tetrachlorobenzene	4.54	216	42599	8326.6517508	ppb		99
44)	Diphenyl Ether	4.80	170	61076	7483.8784225	ug/ml	#	80
45)	Diphenyl Oxide	4.80	170	61076	7483.8784225	ug/ml	#	80
48)	2,4,6-Trichlorophenol	4.61	196	28100	7598.4060764	ppb		90
49)	2,4,5-Trichlorophenol	4.64	196	29187	7583.5795197	ppb		97
51)	Biphenyl	4.73	154	113964	7135.2969857	ppb		99
52)	2-Chloronaphthalene	4.76	162	90199	7399.8654146	ppb		97
53)	2-Nitroaniline	4.82	138	31000	8204.4788751	ppb	#	74
54)	Acenaphthylene	5.05	152	150289	7925.4518398	ppb		98
55)	Dimethyl phthalate	4.94	163	98796	7823.3115033	ppb		98
56)	2,6-Dinitrotoluene	4.99	165	22965	7843.4773720	ppb	#	81
57)	3-Nitroaniline	5.11	138	21709	6886.5155543	ppb		94
58)	Acenaphthene	5.16	153	93651	7507.3987038	ppb		94
59)	2,4-Dinitrophenol	5.19	184	3729	2742.7364516	ppb	#	1
60)	Dibenzofuran	5.29	168	127854	7390.4140185	ppb	#	90
61)	2,4-Dinitrotoluene	5.27	165	31844	8684.8757926	ppb	#	67
62)	2,3,4,6-Tetrachlorophenol	5.38	232	21613	8888.9040440	ppb		96
63)	4-Nitrophenol	5.23	139	20787	7983.1101512	ppb	#	68
64)	Fluorene	5.54	166	104746	7464.2500238	ppb		96
65)	4-Chlorophenyl-phenylether	5.53	204	49728	7472.4836979	ppb		87
66)	Diethyl phthalate	5.44	149	110858	8568.5143456	ppb		99
67)	4-Nitroaniline	5.56	138	26454	8959.7063561	ppb	#	73
68)	Azobenzene	5.66	77	124411	9640.0689517	ppb		92
69)	Atrazine	6.02	200	32233	9244.4248168	ppb		96
71)	4,6-Dinitro-2-methylphenol	5.58	198	7994	3632.3904716	ppb		90
72)	N-Nitrosodiphenylamine	5.62	169	86770	6484.4112710	ppb		97
74)	4-Bromophenyl-phenylether	5.91	248	32392	7458.6710099	ppb		87
75)	Hexachlorobenzene	5.96	284	35194	7283.1054525	ppb		97
76)	n-octadecane	6.15	55	23585	8753.4461321	ppb	#	95
77)	Pentachlorophenol	6.12	266	21584	8091.3005051	ppb		96
78)	Phenanthrene	6.28	178	167516	7230.1202940	ppb		98
79)	Anthracene	6.32	178	174279	7431.3127767	ppb		98
80)	Carbazole	6.45	167	153866	7190.8737921	ppb		97
81)	Di-n-butyl phthalate	6.71	149	213312	8515.4836974	ppb		98
82)	2-nitrodiphenylamine	6.84	167	48523	10925.5692588	ppb	#	100
83)	Fluoranthene	7.27	202	197077	8006.8071675	ppb		97
85)	Benzidine	7.41	184	16339m	2304.7891538	ppb		
86)	Pyrene	7.49	202	200826	7220.0761543	ppb		98
88)	Benzylbutyl phthalate	8.22	149	98340	8646.4445651	ppb		95
89)	3,3-Dichlorobenzidine	8.97	252	115705	13001.0743569	ppb		98
90)	Benzo(a)anthracene	8.99	228	190225	7642.0671402	ppb		96
91)	Chrysene	9.05	228	176405	7312.8305530	ppb		98
92)	bis(2-Ethylhexyl)phthalate	9.08	149	131026	8363.7192999	ppb		96
93)	Di-n-octyl phthalate	10.27	149	228772	8790.4040811	ppb		99
95)	Benzo(b)fluoranthene	10.90	252	178366	7636.8975670	ppb		96
96)	Benzo(k)fluoranthene	10.96	252	172222	7486.1344866	ppb		94
97)	Benzo(a)pyrene	11.55	252	162592	8037.7152515	ppb		96
98)	Indeno(1,2,3-cd)pyrene	13.68	276	107363	5402.0622511	ppb		96
99)	Dibenz(a,h)anthracene	13.73	278	122069	5763.0111831	ppb		93
100)	Benzo(g,h,i)perylene	14.03	276	97388	4707.9291032	ppb		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051122\0511 32.D Vial: 9
Acq On : 11 May 2022 5:04 pm Operator: 3545
Sample : MSD 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:12 2022 Quant Results File: S804E04BV.RES

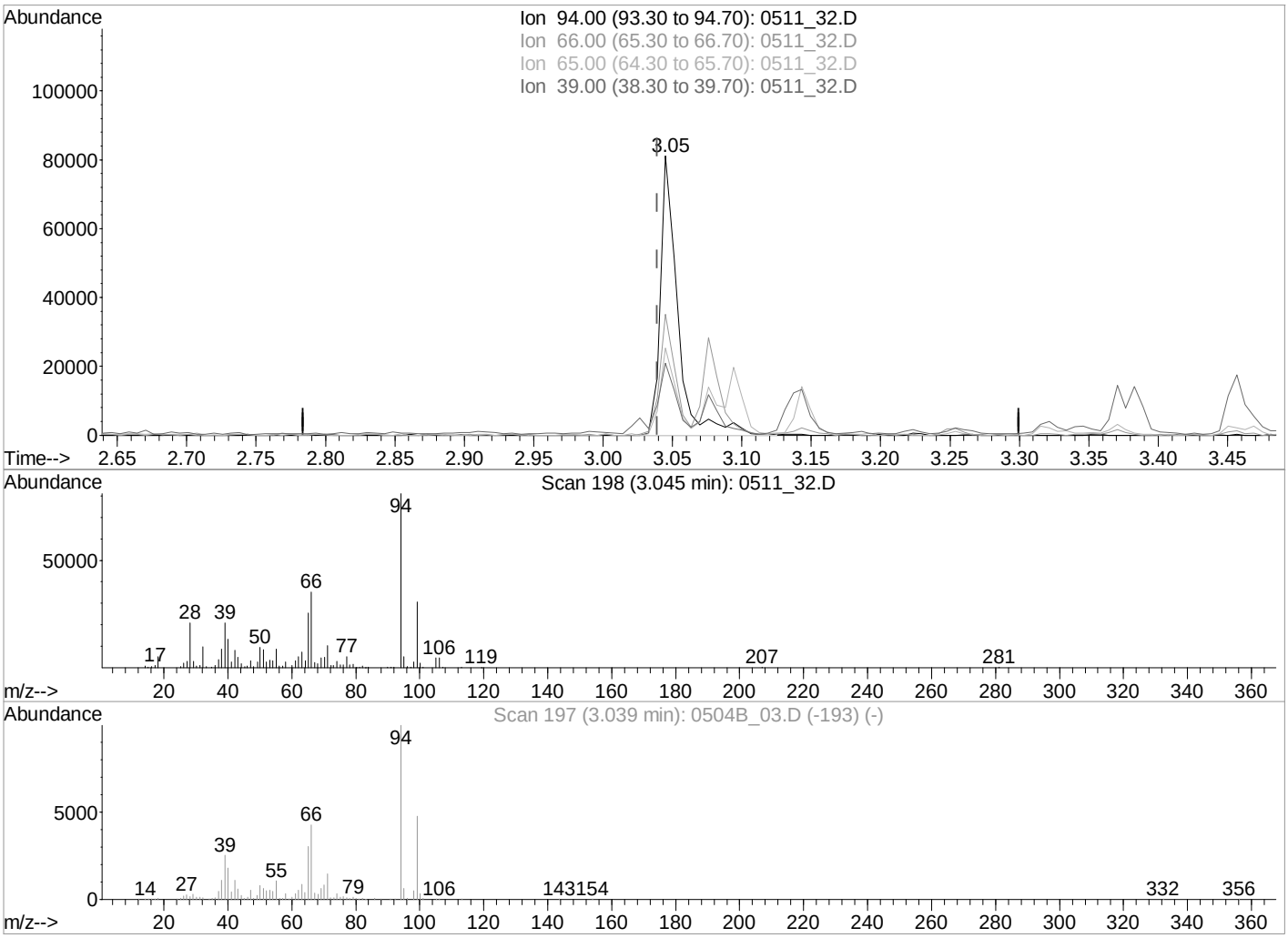
Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 32.D Vial: 9
Acq On : 11 May 2022 5:04 pm Operator: 3545
Sample : MSD 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 11 17:28 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0511_32.D

(8) Phenol (MC)

3.05min (+0.006) 7859.1214793 ppb

Qvalue = 91

response 70744

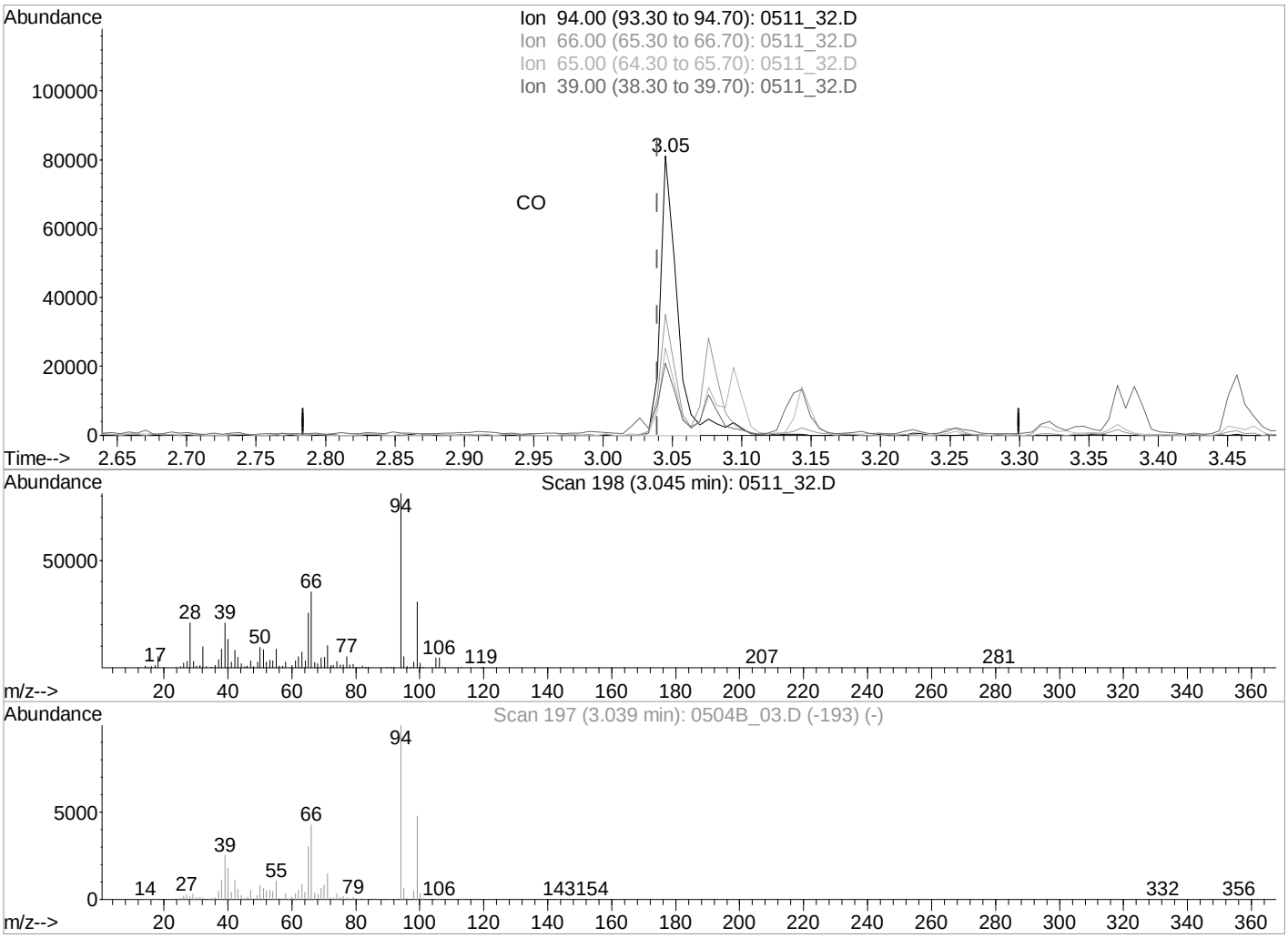
Ion	Exp%	Act%
94.00	100	100
66.00	34.70	43.33
65.00	27.70	30.80
39.00	22.50	24.01

0511_32.D S804E04BV.M Thu May 12 13:11:01 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 32.D Vial: 9
Acq On : 11 May 2022 5:04 pm Operator: 3545
Sample : MSD 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:11 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0511_32.D

(8) Phenol (MC)

3.05min (+0.006) 7163.0164359 ppb m

response 64478

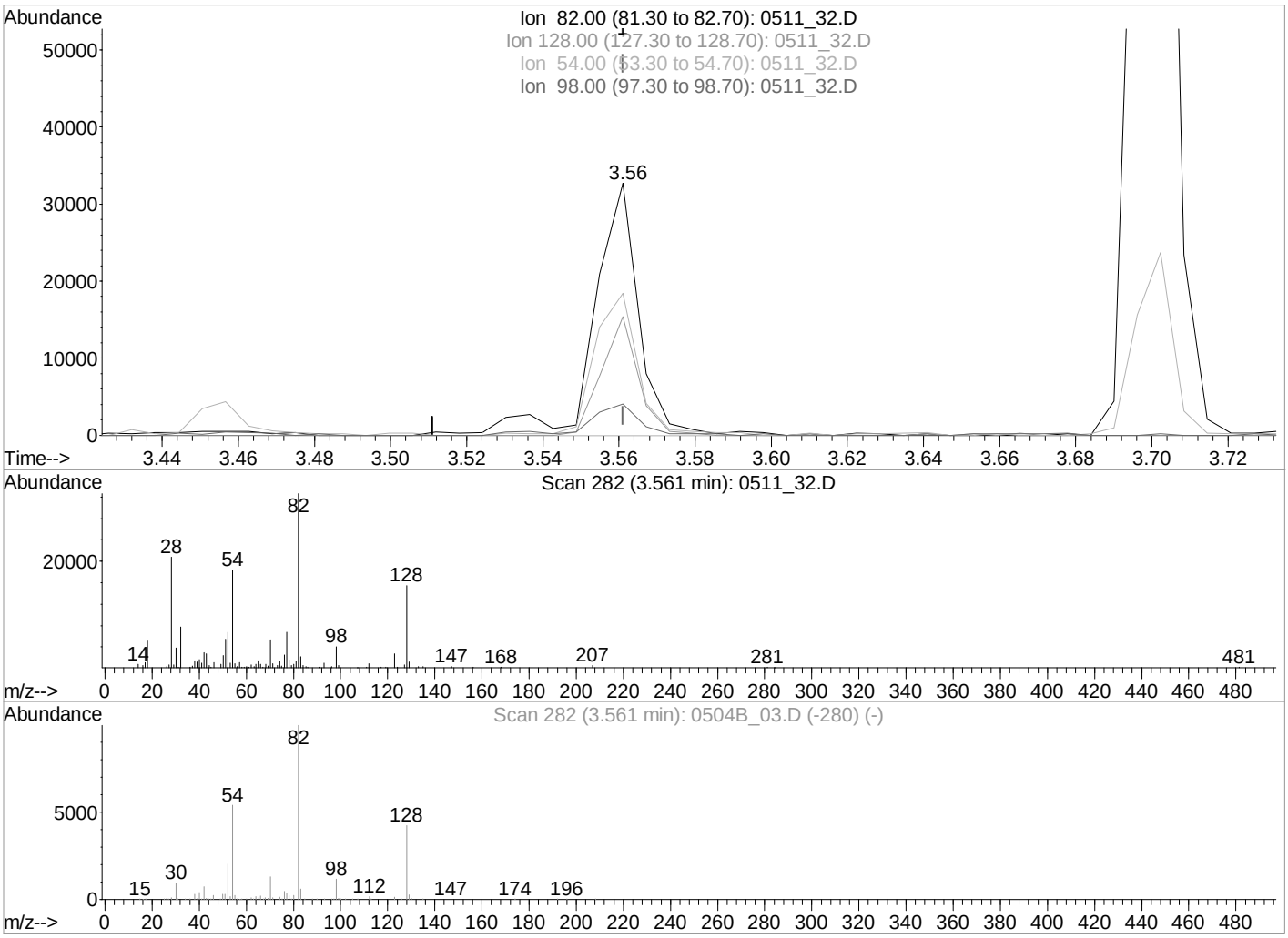
Ion	Exp%	Act%
94.00	100	100
66.00	34.70	43.33
65.00	27.70	31.27
39.00	22.50	25.81

0511_32.D S804E04BV.M Thu May 12 13:11:05 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 32.D Vial: 9
Acq On : 11 May 2022 5:04 pm Operator: 3545
Sample : MSD 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:11 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0511_32.D

(24) Nitrobenzene-d5 (S)

3.56min (+0.000) 3276.2418255 ppb

Qvalue = 98

response 26570

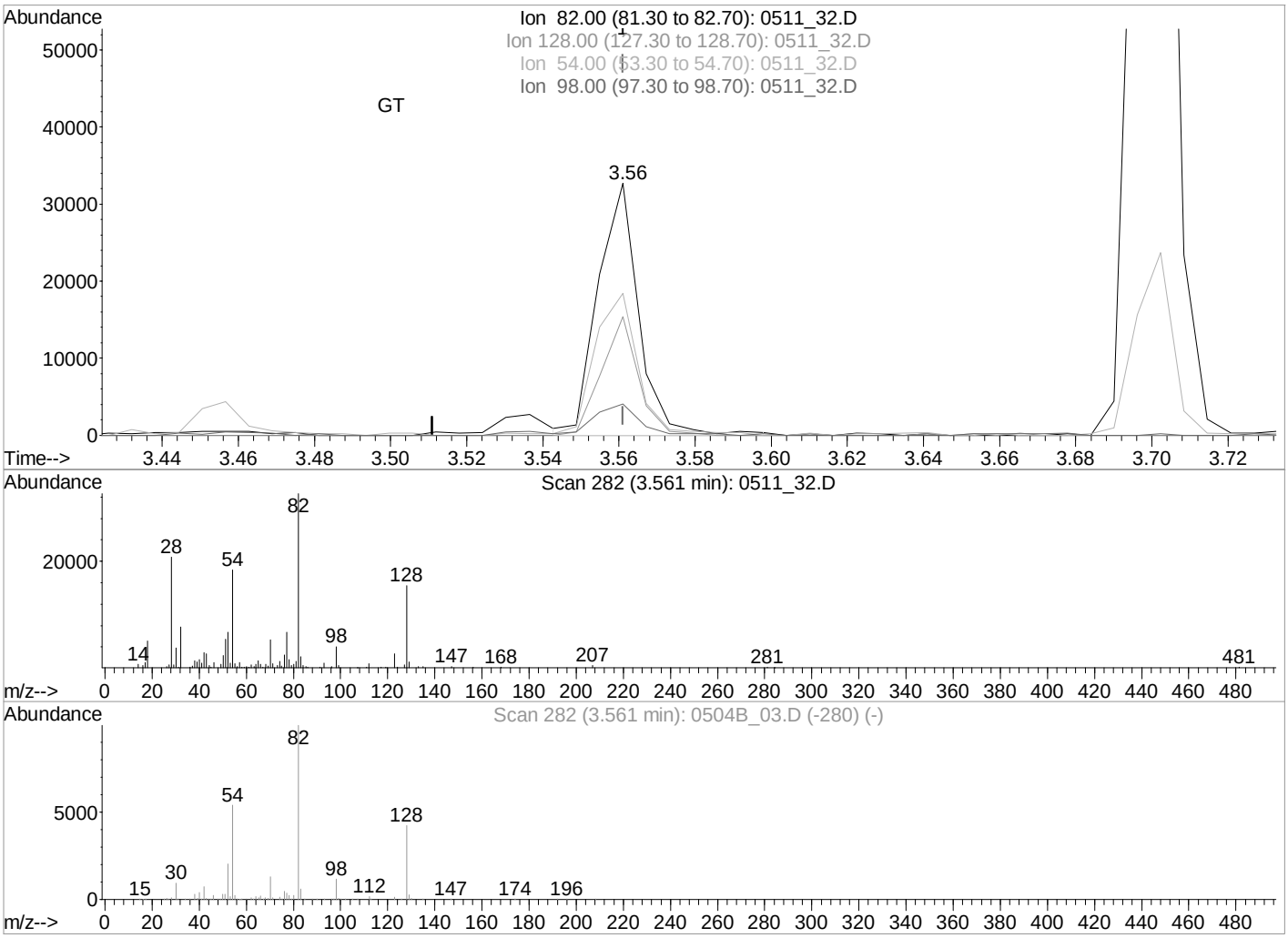
Ion	Exp%	Act%
82.00	100	100
128.00	49.30	47.15
54.00	56.90	56.22
98.00	11.80	12.30

0511_32.D S804E04BV.M Thu May 12 13:11:15 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 32.D Vial: 9
Acq On : 11 May 2022 5:04 pm Operator: 3545
Sample : MSD 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:11 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Multiple Level Calibration



TIC: 0511_32.D

(24) Nitrobenzene-d5 (S)

3.56min (+0.000) 3002.0091639 ppb m

response 24346

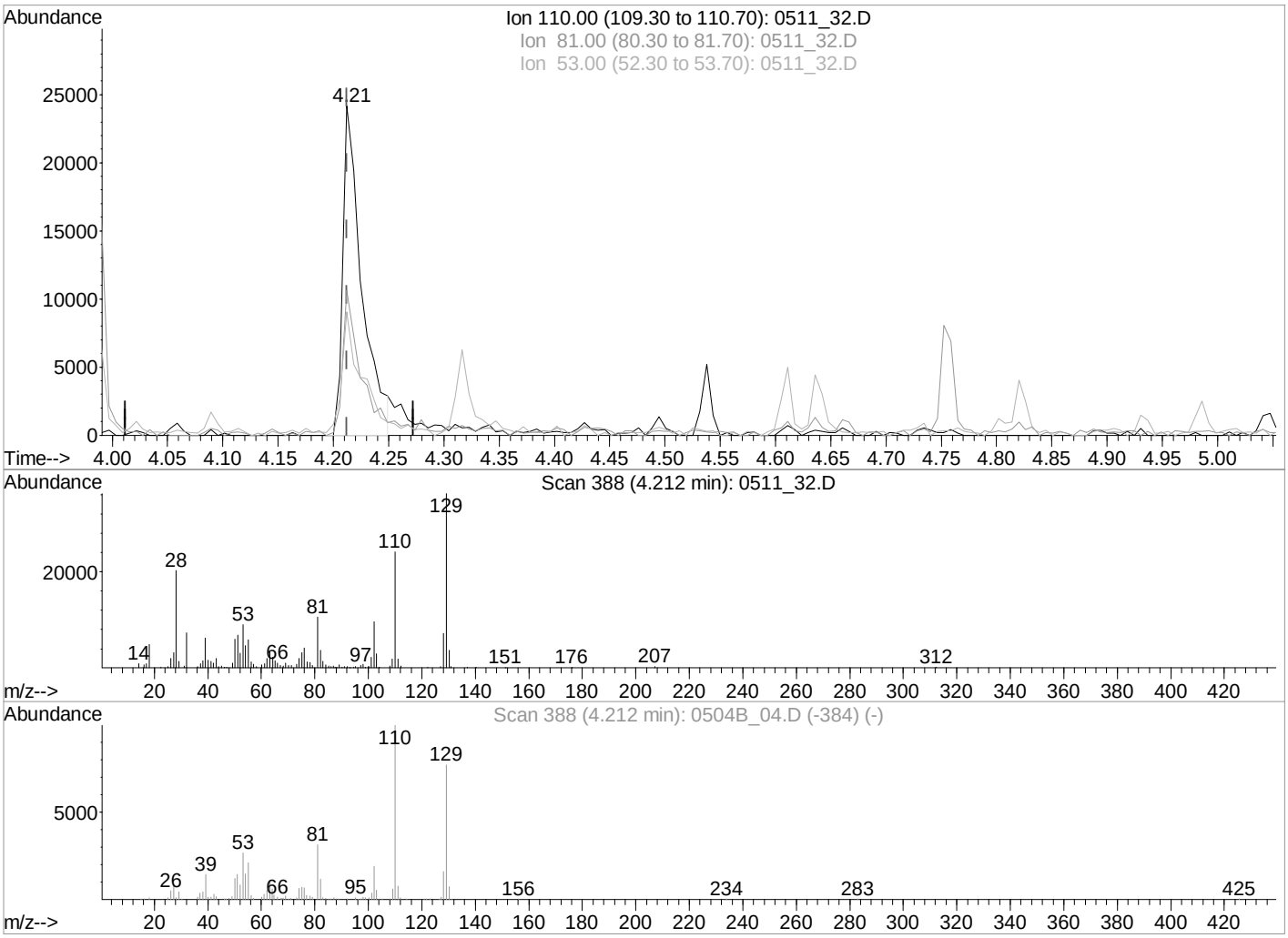
Ion	Exp%	Act%
82.00	100	100
128.00	49.30	47.15
54.00	56.90	56.22
98.00	11.80	12.30

0511_32.D S804E04BV.M Thu May 12 13:11:19 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 32.D Vial: 9
Acq On : 11 May 2022 5:04 pm Operator: 3545
Sample : MSD 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:11 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Single Level Calibration



TIC: 0511_32.D

(37) Hydroquinone

4.21min (+0.000) 6732.8655659 ppb

Qvalue = 76

response 28772

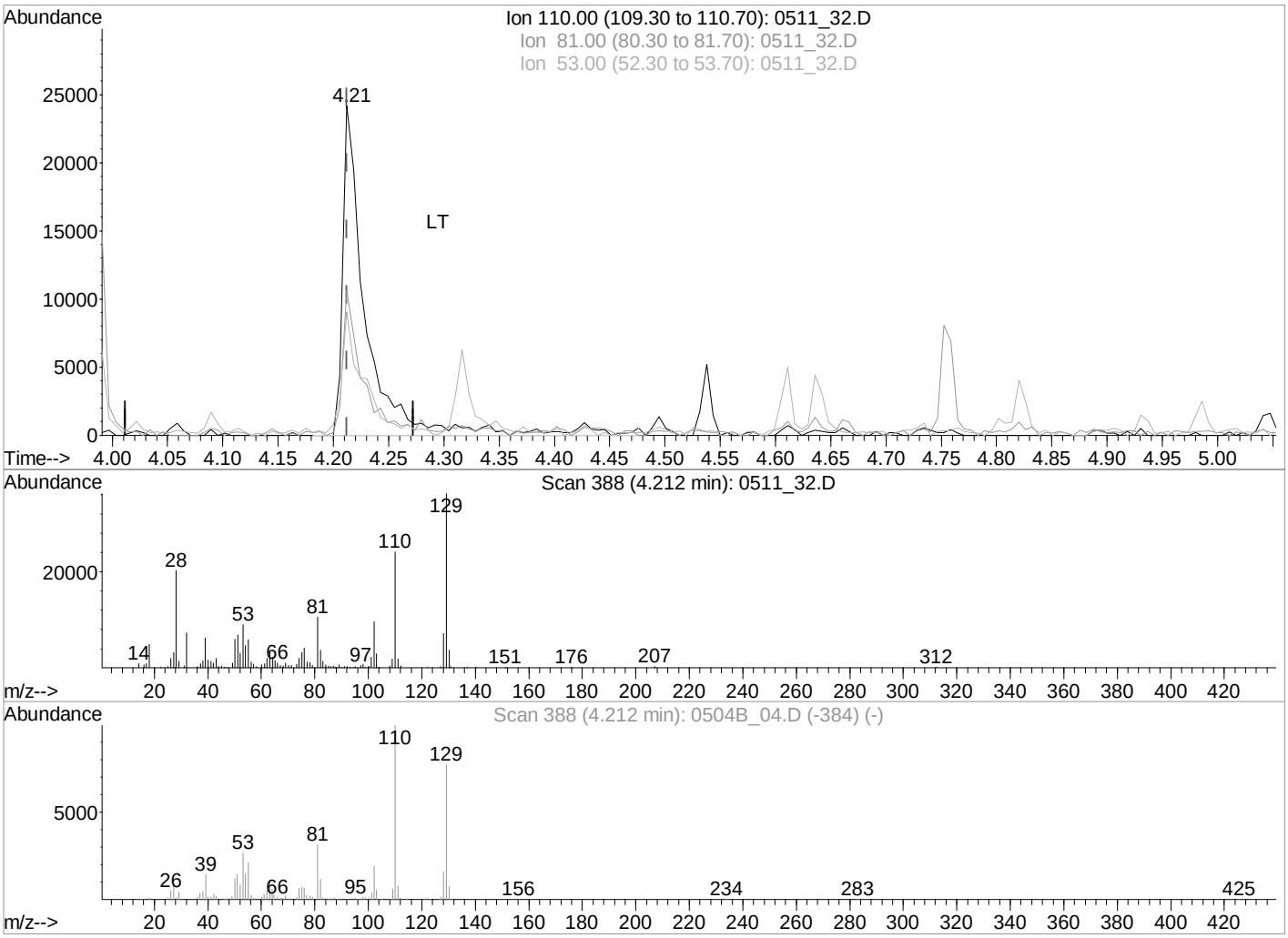
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	44.03
53.00	25.90	36.75
0.00	0.00	0.00

0511_32.D S804E04BV.M Thu May 12 13:11:37 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 32.D Vial: 9
Acq On : 11 May 2022 5:04 pm Operator: 3545
Sample : MSD 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:11 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Single Level Calibration



TIC: 0511_32.D

(37) Hydroquinone

4.21min (+0.000) 8559.3697889 ppb m

response 35972

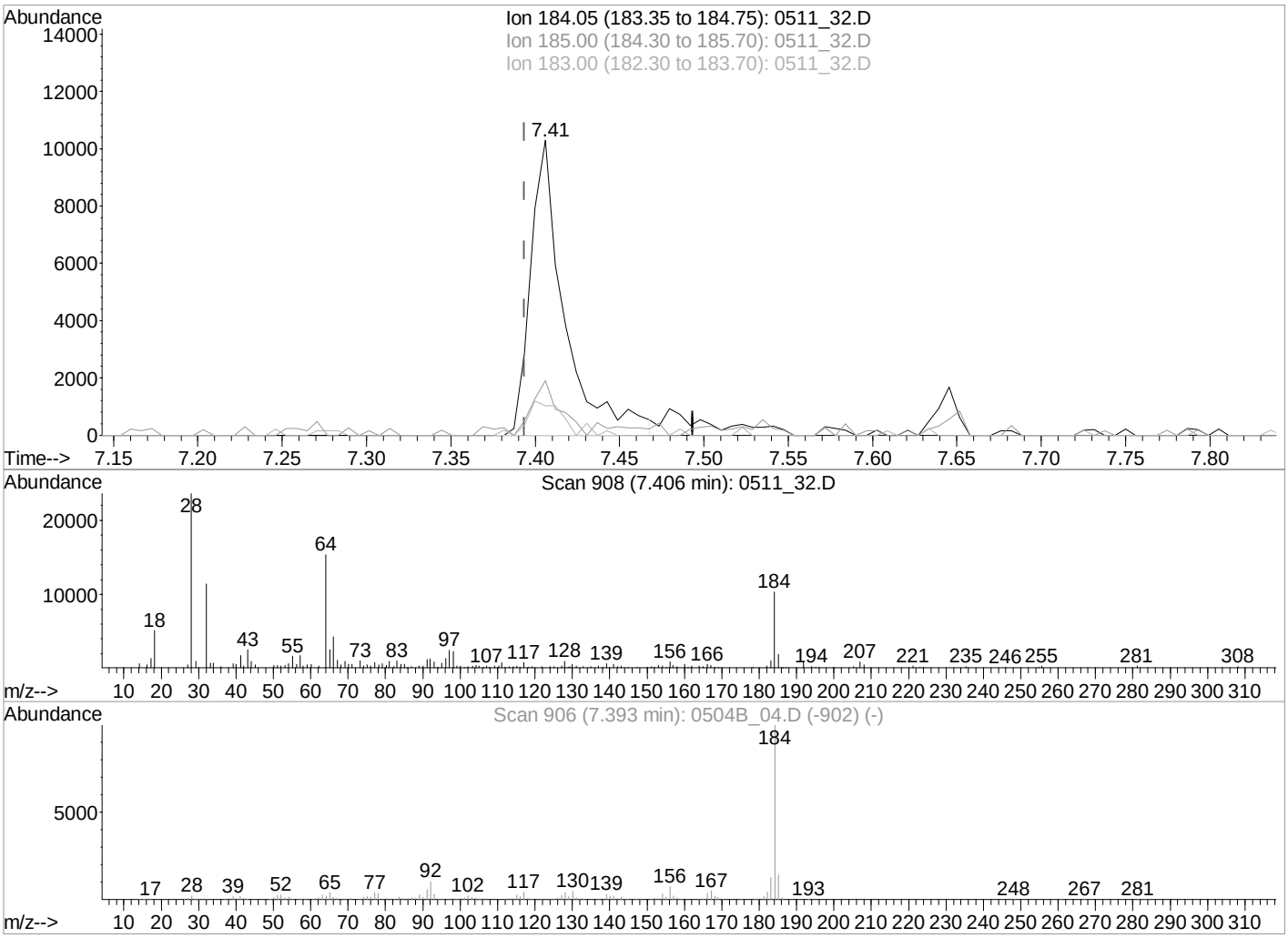
Ion	Exp%	Act%
110.00	100	100
81.00	29.80	44.03
53.00	25.90	37.48
0.00	0.00	0.00

0511_32.D S804E04BV.M Thu May 12 13:11:46 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 32.D Vial: 9
Acq On : 11 May 2022 5:04 pm Operator: 3545
Sample : MSD 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:11 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Single Level Calibration



TIC: 0511_32.D

(85) Benzidine (MT)

7.41min (+0.012) 2133.0777531 ppb

Qvalue = 99

response 14432

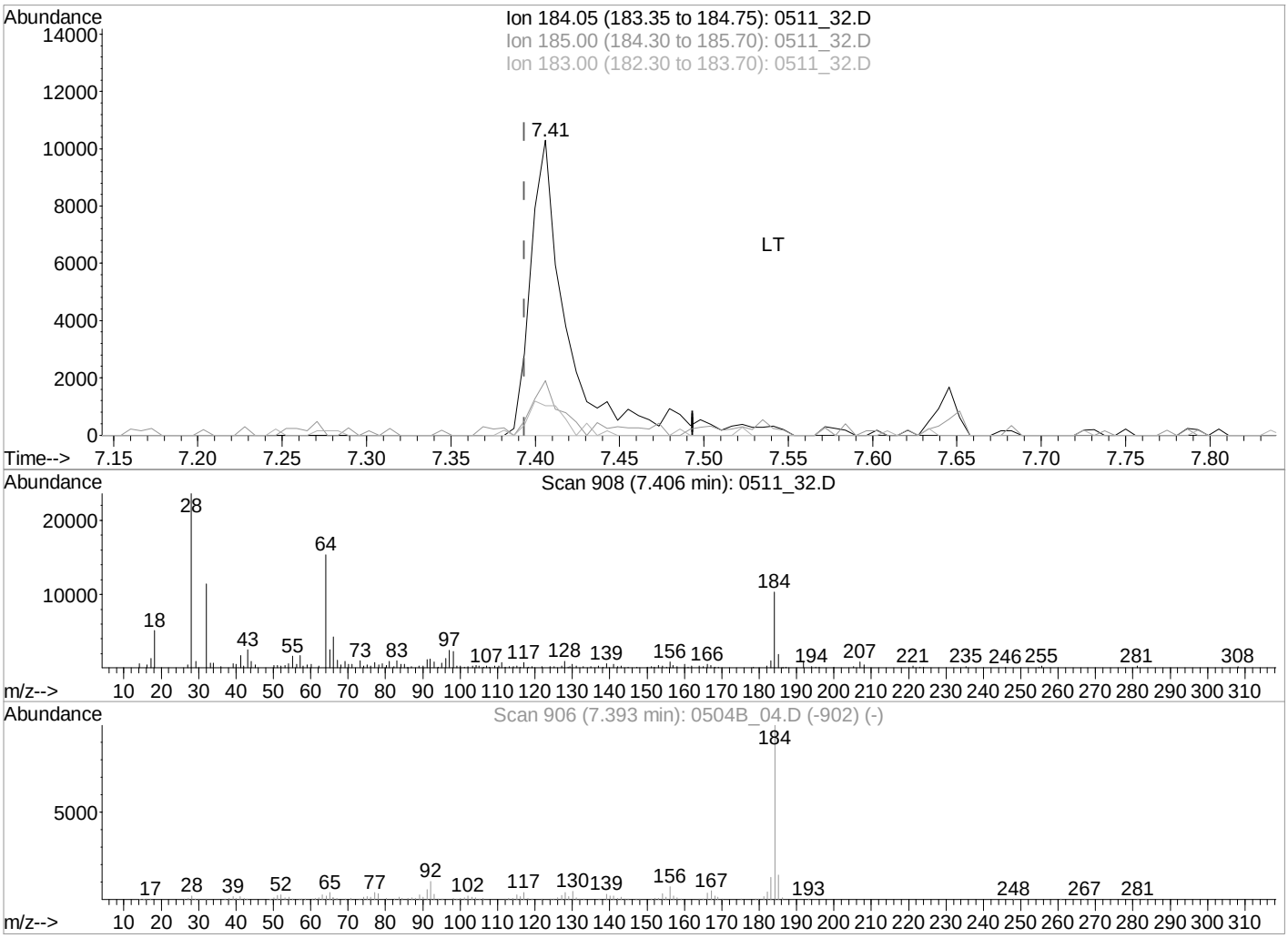
Ion	Exp%	Act%
184.05	100	100
185.00	14.20	14.87
183.00	12.60	12.49
0.00	0.00	0.00

0511_32.D S804E04BV.M Thu May 12 13:12:13 2022

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\051122\0511 32.D Vial: 9
Acq On : 11 May 2022 5:04 pm Operator: 3545
Sample : MSD 1x WG1861634 L1488800-03 Inst : BNAMS4
Misc : SOIL ISTD 2E03623 exp 11/03/22 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 12 13:12 2022 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S804E04BV.M (RTE Integrator)
Title : 8270 BNA
Last Update : Thu May 05 15:59:02 2022
Response via : Single Level Calibration



TIC: 0511_32.D

(85) Benzidine (MT)

7.41min (+0.012) 2304.7891538 ppb m

response 16339

Ion	Exp%	Act%
184.05	100	100
185.00	14.20	13.13
183.00	12.60	11.03
0.00	0.00	0.00

0511_32.D S804E04BV.M Thu May 12 13:12:17 2022

BNA SS Extractions Benchsheet

Batch: WG1861634

SDG	PrePrep Batch	PrePrep Analyst	PrePrep Balance	PrePrep Start Time
L1488711	WG1858968	BJM688	PREPREPBAL1	05-MAY-22
L1488786	WG1858911	BJM688	PREPREPBAL3	04-MAY-22
L1488800	WG1858206	BJM688	PREPREPBAL4	03-MAY-22
L1488912	WG1860355	BJM688	PREPREPBAL3	07-MAY-22
L1489401	WG1858980	BJM688	PREPREPBAL3	05-MAY-22
L1489401	WG1858981	BJM688	PREPREPBAL1	05-MAY-22
L1491030	WG1861408	BJM688	PREPREPBAL1	10-MAY-22

Process Analyst: PIK3604 **Transfer Analyst:** PIK3604 **Material Handler:** PIK3604 **Prep Start Date/Time:** 05/10/22 22:02-22:21 **Prep End Date/Time:** 05/11/22 03:43
SOP: MTJL -0118 **Method:** 3546 **Balance ID:** EXTBAL5 **Filter Lot#:** 17485832

Na2SO4: 22E03636 Amt. Used: 1 Exp. Date:11/03/22 **MeCL2:Acetone:** 22E06032 Amt. Used: 1 Exp. Date:10/28/22
Surrogate: 22E03640 Amt. Used: 0.50 mL Exp. Date:08/22/22 **LCS/MS Spike:** 22E02407 Amt. Used: 0.50 mL Exp. Date:05/16/22
MeCl2: 22E04829 Amt. Used: 1 Exp. Date:11/04/22 **Spike Syringe ID:** 22D27754 Amt. Used: 1 Exp. Date:10/27/22
Surrogate Syringe ID: 22D27753 Amt. Used: 1 Exp. Date:10/27/22

Sample Number	Initial Sample Wt (g)	Solvent Volume (mL)	Final Volume (mL)	Extract Color	Box ID	Prep Factor	Prep Ratio	DL Adjustment Factor	Spike Factor	Surrogate Factor	Review Analyst	Review Date
BLANK	15	25	0.5	Colorless		0.0333	1	1	1	1	JNJ917	05/11/22 05:41:43
LCS	15	25	0.5	Yellow		0.0333	1	1	1	1	JNJ917	05/11/22 05:41:43
MS(L1488800-03)	15.48	25	1.0	Dark-brown	Tues-5	0.0646	1.94	2	1	1	JNJ917	05/11/22 05:41:43
MSD(L1488800-03)	15.49	25	1.0	Dark-brown	Tues-5	0.0646	1.94	2	1	1	JNJ917	05/11/22 05:41:43
1. L1488711-02	15.12	25	0.5	Brown	THUR BOX 2, 0505 PP1	0.0331	0.994	1	1	1	JNJ917	05/11/22 05:41:43
2. L1488786-01	15.59	25	5.0	Brown	5/4 PP3 WED 5	0.321	9.64	10	1	1	JNJ917	05/11/22 05:41:43
3. L1488800-01	15.69	25	1.0	Dark-brown	Tues-5	0.0637	1.91	2	1	1	JNJ917	05/11/22 05:41:43
4. L1488800-02	15.17	25	0.5	Dark-brown	Tues-5	0.033	0.991	1	1	1	JNJ917	05/11/22 05:41:43
5. L1488800-03	15.52	25	1.0	Dark-brown	Tues-5	0.0644	1.93	2	1	1	JNJ917	05/11/22 05:41:43
6. L1488912-13	15.48	25	5.0	Black	5/7PP3 RUSH	0.323	9.7	10	1	1	JNJ917	05/11/22 05:41:43
7. L1488912-15	15.49	25	5.0	Black	5/7PP3 RUSH	0.323	9.7	10	1	1	JNJ917	05/11/22 05:41:43
8. L1488912-17	15.13	25	5.0	Dark-brown	5/7PP3 RUSH	0.33	9.91	10	1	1	JNJ917	05/11/22 05:41:43
9. L1489401-01	15.14	25	5.0	Black	5/5 PP3 THUR 4	0.33	9.91	10	1	1	JNJ917	05/11/22 05:41:43
10. L1489401-02	15.88	25	5.0	Dark-brown	5/5 PP3 THUR 4	0.315	9.46	10	1	1	JNJ917	05/11/22 05:41:43
11. L1489401-03	15.34	25	5.0	Dark-brown		0.326	9.79	10	1	1	JNJ917	05/11/22 05:41:43
12. L1489401-04	15.22	25	5.0	Dark-brown		0.329	9.88	10	1	1	JNJ917	05/11/22 05:41:43
13. L1489401-05	15.38	25	5.0	Dark-brown	5/5 PP3 THUR 4	0.325	9.76	10	1	1	JNJ917	05/11/22 05:41:43
14. L1489401-06	15.68	25	1.0	Dark-brown	5/5 PP3 THUR 4	0.0638	1.92	2	1	1	JNJ917	05/11/22 05:41:43
15. L1489401-07	15.18	25	5.0	Dark-brown		0.329	9.88	10	1	1	JNJ917	05/11/22 05:41:43
16. L1489401-08	15.13	25	5.0	Dark-brown	THUR BOX 3, 0505 PP1	0.33	9.91	10	1	1	JNJ917	05/11/22 05:41:43
17. L1489401-09	15.44	25	5.0	Dark-brown	THUR BOX 3, 0505 PP1	0.324	9.73	10	1	1	JNJ917	05/11/22 05:41:43
18. L1489401-10	15.25	25	0.5	Yellow	THUR BOX 3, 0505 PP1	0.0328	0.985	1	1	1	JNJ917	05/11/22 05:41:43
19. L1489401-11	15.19	25	0.5	Dark-brown	THUR BOX 3, 0505 PP1	0.0329	0.988	1	1	1	JNJ917	05/11/22 05:41:43
20. L1491030-01	15.08	25	5.0	Black	RUSH	0.332	9.97	10	1	1	JNJ917	05/11/22 05:41:43

Comments:

Reviewed By:JNJ917 on 05/11/22 05:41:43

9034/9030B Wet Chemistry

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BNSF-L320-042922-0-2

Lab Sample ID:	L1488800-01	**SDG:**	L1488800
Client Sample ID:	BNSF-L320-042922-0-2	**Collected Date/Time:**	04/29/22 10:00
Lab File ID:	16	**Received Date/Time:**	05/03/22 09:30
Instrument ID:	MAN TITR	**Preparation Date/Time:**	05/03/22 12:51
Analytical Batch:	WG1857987	**Analysis Date/Time:**	05/05/22 18:00
Dilution Factor:	1	**Prep Method:**	9030B
Analytical Method:	9034/9030B	**Sample Vol Used:**	
Matrix:	Solid	**Initial Wt/Vol:**	10.68 g
Total Solids (%):	80.2	**Final Wt/Vol:**	

Analyte	CAS	Result (dry)	Qualifier	MDL (dry)	RDL (dry)
		mg/kg		*mg/kg*	*mg/kg*
Sulfide	18496-25-8	U		37.4	93.5

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BNSF-1120-042922-0-6

Lab Sample ID:	L1488800-02	**SDG:**	L1488800
Client Sample ID:	BNSF-1120-042922-0-6	**Collected Date/Time:**	04/29/22 10:45
Lab File ID:	17	**Received Date/Time:**	05/03/22 09:30
Instrument ID:	MAN TITR	**Preparation Date/Time:**	05/03/22 12:51
Analytical Batch:	WG1857987	**Analysis Date/Time:**	05/05/22 18:00
Dilution Factor:	1	**Prep Method:**	9030B
Analytical Method:	9034/9030B	**Sample Vol Used:**	
Matrix:	Solid	**Initial Wt/Vol:**	9.34 g
Total Solids (%):	74.7	**Final Wt/Vol:**	

Analyte	CAS	Result (dry)	Qualifier	MDL (dry)	RDL (dry)
		mg/kg		*mg/kg*	*mg/kg*
Sulfide	18496-25-8	51.7	J	40.1	100

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BNSF-BG20-042922-0-10

Lab Sample ID:	L1488800-03	**SDG:**	L1488800
Client Sample ID:	BNSF-BG20-042922-0-10	**Collected Date/Time:**	04/29/22 11:25
Lab File ID:	32	**Received Date/Time:**	05/03/22 09:30
Instrument ID:	MAN TITR	**Preparation Date/Time:**	05/05/22 08:00
Analytical Batch:	WG1860960	**Analysis Date/Time:**	05/09/22 12:00
Dilution Factor:	1	**Prep Method:**	9030B
Analytical Method:	9034/9030B	**Sample Vol Used:**	
Matrix:	Solid	**Initial Wt/Vol:**	8.29 g
Total Solids (%):	70.4	**Final Wt/Vol:**	

Analyte	CAS	Result (dry)	Qualifier	MDL (dry)	RDL (dry)
		mg/kg		*mg/kg*	*mg/kg*
Sulfide	18496-25-8	179		42.6	107

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3788703-1	**SDG:**	L1488800
Client Sample ID:	BLANK	**Collected Date/Time:**	_____
Lab File ID:	01	**Received Date/Time:**	_____
Instrument ID:	MAN TITR	**Preparation Date/Time:**	05/03/22 12:51
Analytical Batch:	WG1857987	**Analysis Date/Time:**	05/05/22 18:00
Dilution Factor:	1	**Prep Method:**	9030B
Analytical Method:	9034/9030B	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	10.15 g
Total Solids (%):	_____	**Final Wt/Vol:**	_____

Analyte	CAS	Result	Qualifier	MDL	RDL
		mg/kg		*mg/kg*	*mg/kg*
Sulfide	18496-25-8	U		30.0	75.0

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3789628-1	**SDG:**	L1488800
Client Sample ID:	BLANK	**Collected Date/Time:**	_____
Lab File ID:	25	**Received Date/Time:**	_____
Instrument ID:	MAN TITR	**Preparation Date/Time:**	05/05/22 08:00
Analytical Batch:	WG1860960	**Analysis Date/Time:**	05/09/22 12:00
Dilution Factor:	1	**Prep Method:**	9030B
Analytical Method:	9034/9030B	**Sample Vol Used:**	_____
Matrix:	Solid	**Initial Wt/Vol:**	10.14 g
Total Solids (%):	_____	**Final Wt/Vol:**	_____

Analyte	CAS	Result	Qualifier	MDL	RDL
		mg/kg		*mg/kg*	*mg/kg*
Sulfide	18496-25-8	U		30.0	75.0

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3788703-2	**SDG:**	L1488800
Client Sample ID:	LCS	**Collected Date/Time:**	
Lab File ID:	02	**Received Date/Time:**	
Instrument ID:	MAN TITR	**Preparation Date/Time:**	05/03/22 12:51
Analytical Batch:	WG1857987	**Analysis Date/Time:**	05/05/22 18:00
Dilution Factor:	1	**Prep Method:**	9030B
Analytical Method:	9034/9030B	**Sample Vol Used:**	
Matrix:	Solid	**Initial Wt/Vol:**	10.14 g
Total Solids (%):		**Final Wt/Vol:**	

Analyte	CAS	Result	Qualifier	MDL	RDL
		mg/kg		*mg/kg*	*mg/kg*
Sulfide	18496-25-8	71.1		30.0	75.0

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3789628-2	**SDG:**	L1488800
Client Sample ID:	LCS	**Collected Date/Time:**	
Lab File ID:	26	**Received Date/Time:**	
Instrument ID:	MAN TITR	**Preparation Date/Time:**	05/05/22 08:00
Analytical Batch:	WG1860960	**Analysis Date/Time:**	05/09/22 12:00
Dilution Factor:	1	**Prep Method:**	9030B
Analytical Method:	9034/9030B	**Sample Vol Used:**	
Matrix:	Solid	**Initial Wt/Vol:**	10.15 g
Total Solids (%):		**Final Wt/Vol:**	

Analyte	CAS	Result	Qualifier	MDL	RDL
		mg/kg		*mg/kg*	*mg/kg*
Sulfide	18496-25-8	67.1		30.0	75.0

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3788703-3	**SDG:**	L1488800
Client Sample ID:	MS	**Collected Date/Time:**	04/26/22 12:15
Lab File ID:	03	**Received Date/Time:**	05/02/22 09:00
Instrument ID:	MAN TITR	**Preparation Date/Time:**	05/03/22 12:51
Analytical Batch:	WG1857987	**Analysis Date/Time:**	05/05/22 18:00
Dilution Factor:	1	**Prep Method:**	9030B
Analytical Method:	9034/9030B	**Sample Vol Used:**	
Matrix:	Solid	**Initial Wt/Vol:**	10.38 g
Total Solids (%):		**Final Wt/Vol:**	

Analyte	CAS	Result	Qualifier	MDL	RDL
		mg/kg		*mg/kg*	*mg/kg*
Sulfide	18496-25-8	69.5		30.0	75.0

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3789628-3	**SDG:**	L1488800
Client Sample ID:	MS	**Collected Date/Time:**	04/29/22 11:25
Lab File ID:	27	**Received Date/Time:**	05/03/22 09:30
Instrument ID:	MAN TITR	**Preparation Date/Time:**	05/05/22 08:00
Analytical Batch:	WG1860960	**Analysis Date/Time:**	05/09/22 12:00
Dilution Factor:	1	**Prep Method:**	9030B
Analytical Method:	9034/9030B	**Sample Vol Used:**	
Matrix:	Solid	**Initial Wt/Vol:**	8.62 g
Total Solids (%):	70.4	**Final Wt/Vol:**	

Analyte	CAS	Result (dry)	Qualifier	MDL (dry)	RDL (dry)
		mg/kg		*mg/kg*	*mg/kg*
Sulfide	18496-25-8	337		42.6	107

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3788703-4	**SDG:**	L1488800
Client Sample ID:	MSD	**Collected Date/Time:**	04/26/22 12:15
Lab File ID:	04	**Received Date/Time:**	05/02/22 09:00
Instrument ID:	MAN TITR	**Preparation Date/Time:**	05/03/22 12:51
Analytical Batch:	WG1857987	**Analysis Date/Time:**	05/05/22 18:00
Dilution Factor:	1	**Prep Method:**	9030B
Analytical Method:	9034/9030B	**Sample Vol Used:**	
Matrix:	Solid	**Initial Wt/Vol:**	10.81 g
Total Solids (%):		**Final Wt/Vol:**	

Analyte	CAS	Result	Qualifier	MDL	RDL
		mg/kg		*mg/kg*	*mg/kg*
Sulfide	18496-25-8	66.7		30.0	75.0

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3789628-4	**SDG:**	L1488800
Client Sample ID:	MSD	**Collected Date/Time:**	04/29/22 11:25
Lab File ID:	28	**Received Date/Time:**	05/03/22 09:30
Instrument ID:	MAN TITR	**Preparation Date/Time:**	05/05/22 08:00
Analytical Batch:	WG1860960	**Analysis Date/Time:**	05/09/22 12:00
Dilution Factor:	1	**Prep Method:**	9030B
Analytical Method:	9034/9030B	**Sample Vol Used:**	
Matrix:	Solid	**Initial Wt/Vol:**	8.71 g
Total Solids (%):	70.4	**Final Wt/Vol:**	

Analyte	CAS	Result (dry)	Qualifier	MDL (dry)	RDL (dry)
		mg/kg		*mg/kg*	*mg/kg*
Sulfide	18496-25-8	327		42.6	107

SDG:	L1488800	**Calibration (begin) date/time:**	_____
Instrument ID:	MAN TITR	**Calibration (end) date/time:**	_____
Analytical Method:	9034/9030B	**Analytical Run:**	WG1857987

	Sample ID:	**BLANK Result**	**BLANK Qual**
	File ID:	01	
Analyte		mg/kg	
SULFIDE		U	

SDG:	L1488800	**Calibration (begin) date/time:**	_____
Instrument ID:	MAN TITR	**Calibration (end) date/time:**	_____
Analytical Method:	9034/9030B	**Analytical Run:**	WG1860960

	Sample ID:	**BLANK Result**	**BLANK Qual**
	File ID:	25	
Analyte		mg/kg	
SULFIDE		U	

5A-IN

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

L1488800-01,02

SAMPLE NO.:
R3788703-3
R3788703-4

MS Sample / File ID:	R3788703-3 / 03	**SDG:**	L1488800
MSD Sample / File ID:	R3788703-4 / 04	**Analytical Batch:**	WG1857987
OS Sample / File ID:	L1488556-01 / 14	**Matrix:**	Solid
Instrument ID:	MAN TITR		
Analytical Method:	9034/9030B		

Analyte	Spike Amount	OS Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	RPD	RPD Limits
	mg/kg	*mg/kg*	*mg/kg*	*mg/kg*	*%*	*%*		*%*	*%*	*%*
Sulfide	100	U	69.5	66.7	69.5	66.7	1	10.0 - 136	4.06	20

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

L1488800-03

SAMPLE NO.:
R3789628-3
R3789628-4

MS Sample / File ID:	R3789628-3 / 27	**SDG:**	L1488800
MSD Sample / File ID:	R3789628-4 / 28	**Analytical Batch:**	WG1860960
OS Sample / File ID:	L1488800-03 / 32	**Matrix:**	Solid
Instrument ID:	MAN TITR		
Analytical Method:	9034/9030B		

Analyte	Spike Amount (dry)	OS Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	RPD	RPD Limits
	mg/kg	*mg/kg*	*mg/kg*	*mg/kg*	*%*	*%*		*%*	*%*	*%*
Sulfide	142	179	337	327	111	104	1	10.0 - 136	3.02	20

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

7-IN

LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE RECOVERY
L1488800-01,02

SAMPLE NO.:
R3788703-2

LCS Sample / File ID:	R3788703-2 / 02	**SDG:**	L1488800
LCSD Sample / File ID:	_____	**Analytical Batch:**	WG1857987
Instrument ID:	MAN TITR	**Dilution Factor:**	1
Analytical Method:	9034/9030B	**Matrix:**	Solid

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	RPD	RPD Limits
	mg/kg	*mg/kg*		*%*	*%*	*%*	*%*	*%*
Sulfide	100	71.1		71.1		53.8 - 124		

*: Value outside the established quality control limits.
D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE RECOVERY
L1488800-03

SAMPLE NO.:
R3789628-2

LCS Sample / File ID:	R3789628-2 / 26	**SDG:**	L1488800
LCSD Sample / File ID:	_____	**Analytical Batch:**	WG1860960
Instrument ID:	MAN TITR	**Dilution Factor:**	1
Analytical Method:	9034/9030B	**Matrix:**	Solid

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	RPD	RPD Limits
	mg/kg	*mg/kg*		*%*	*%*	*%*	*%*	*%*
Sulfide	100	67.1		67.1		53.8 - 124		

*: Value outside the established quality control limits.
D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

DETECTION LIMIT SUMMARY

Lab Sample IDs: L1488800-01,02,03 **Analytical Method:** 9034/9030B

Matrix: Solid **Prep Method:** 9030B

Analyte	CAS	Wavelength	Mass	MDL	RDL
				mg/kg	*mg/kg*
Sulfide	18496-25-8			30	75

ANALYSIS LOG

SDG:	L1488800	**Analytical Method:**	9034/9030B
Instrument ID:	MAN TITR	**Calibration Start Date:**	_____
Analytical Run:	WG1857987	**Calibration End Date:**	_____

Client Sample ID	Lab Sample ID	File ID	Analysis Date Time	Dilution	Batch
BLANK	R3788703-1	01	05/05/22 18:00	1	WG1857987
LCS	R3788703-2	02	05/05/22 18:00	1	WG1857987
MS	R3788703-3	03	05/05/22 18:00	1	WG1857987
MSD	R3788703-4	04	05/05/22 18:00	1	WG1857987
OS	L1488556-01	14	05/05/22 18:00		
BNSF-L320-042922-0-2	L1488800-01	16	05/05/22 18:00	1	WG1857987
BNSF-1120-042922-0-6	L1488800-02	17	05/05/22 18:00	1	WG1857987

ANALYSIS LOG

SDG:	L1488800	**Analytical Method:**	9034/9030B
Instrument ID:	MAN TITR	**Calibration Start Date:**	_____
Analytical Run:	WG1860960	**Calibration End Date:**	_____

Client Sample ID	Lab Sample ID	File ID	Analysis Date Time	Dilution	Batch
BLANK	R3789628-1	25	05/09/22 12:00	1	WG1860960
LCS	R3789628-2	26	05/09/22 12:00	1	WG1860960
MS	R3789628-3	27	05/09/22 12:00	1	WG1860960
MSD	R3789628-4	28	05/09/22 12:00	1	WG1860960
BNSF-BG20-042922-0-10	L1488800-03	32	05/09/22 12:00	1	WG1860960

SULFIDE SS WetChem Prep Benchsheet

Batch: WG1857987

SDG	PrePrep Batch	PrePrep Analyst	PrePrep Balance	PrePrep Start Time
L1487377	WG1856083	KMT967	PREPREPBAL3	28-APR-22
L1488057	WG1856887	BJM688	PREPREPBAL3	30-APR-22
L1488554	WG1857876	BJM688	PREPREPBAL1	03-MAY-22
L1488556	WG1857876	BJM688	PREPREPBAL1	03-MAY-22
L1488686	WG1858206	BJM688	PREPREPBAL4	03-MAY-22
L1488800	WG1858206	BJM688	PREPREPBAL4	03-MAY-22
L1488802	WG1858206	BJM688	PREPREPBAL4	03-MAY-22

Analyst: BMD3730 **Analyst 2:** NA___ **Analyst 3:** NA___ **Prep Start Date/Time:** 05/03/22 12:51 **Prep End Date/Time:** 05/05/22 18:02
Date/Time Analyzed: 05/05/22 18:00:04 **SOP:** 0172 **Method:** 9030B **LCS True Value:** 100 ppm **Balance ID:** WETBAL12 **5mL Pipette Lot#:** NA
10mL Pipette Lot#: NA **50mL Pipette Lot#:** NA **250mL Container Lot#:** NA

H2SO4: 22E02355 Amt. Used: 50 mL Exp. Date:11/02/22 **0.5M Zn Acetate:** 22D28915 Amt. Used: 10 mL Exp. Date:09/29/22
37% Formaldehyde: 22D07126 Amt. Used: 5 mL Exp. Date:10/07/22 **LCS/D Standard:** 22E05006 Amt. Used: 10 mL Exp. Date:05/06/22
Iodine Solution: 22E05007 Amt. Used: 15 mL Exp. Date:11/05/22 **Sodium Thiosulfate Titrant:** 22E05008 Amt. Used: 1 Exp. Date:11/05/22
6N HCL: 22C22767 Amt. Used: 1 Exp. Date:09/22/22 **MS/D Standard:** 22E05006 Amt. Used: 10 mL Exp. Date:05/06/22

Sample Number	Prep Flags	Normality of I2	Vol I2 for Std. (mL)	Vol Titr for Std. (mL)	Normality of Titrant	Initial Sample Wt (g)	Volume of I2 (mL)	Volume of Titrant (mL)	Sulfide Result (mg/L)	Review Analyst	Review Date
BLANK		0.025	15	15	0.025	10.15	15	15.0	0	BMD3730	05/05/22 19:04:55
LCS		0.025	15	15	0.025	10.14	15	13.2	71.139	BMD3730	05/05/22 19:04:55
1. L1487377-01	T8	0.025	15	15	0.025	9.15	15	14.5	21.899	BMD3730	05/05/22 19:04:55
2. L1487377-02	T8	0.025	15	15	0.025	9.37	15	14.7	12.831	BMD3730	05/05/22 19:04:55
3. L1487377-03	T8	0.025	15	15	0.025	8.57	15	14.6	18.705	BMD3730	05/05/22 19:04:55
4. L1488057-10		0.025	15	15	0.025	8.95	15	15.0	0	BMD3730	05/05/22 19:04:55
5. L1488146-03		0.025	15	15	0.025	11.30	15	12.3	95.754	BMD3730	05/05/22 19:04:55
6. L1488554-01		0.025	15	15	0.025	10.14	15	15.0	0	BMD3730	05/05/22 19:04:55
7. L1488554-02		0.025	15	15	0.025	10.11	15	15.0	0	BMD3730	05/05/22 19:04:55
8. L1488554-03		0.025	15	15	0.025	9.97	15	14.9	4.02	BMD3730	05/05/22 19:04:55
9. L1488554-04		0.025	15	15	0.025	10.66	15	14.9	3.759	BMD3730	05/05/22 19:04:55
10. L1488556-01	T8	0.025	15	15	0.025	10.63	15	14.8	7.54	BMD3730	05/05/22 19:04:55
11. L1488686-02		0.025	15	15	0.025	11.01	15	15.0	0	BMD3730	05/05/22 19:04:55
12. L1488800-01		0.025	15	15	0.025	10.68	15	15.0	0	BMD3730	05/05/22 19:04:55
13. L1488800-02		0.025	15	15	0.025	9.34	15	14.1	38.616	BMD3730	05/05/22 19:04:55
14. L1488802-01		0.025	15	15	0.025	14.01	15	15.0	0	BMD3730	05/05/22 19:04:55
15. L1488802-02		0.025	15	15	0.025	12.62	15	14.8	6.351	BMD3730	05/05/22 19:04:55
16. L1488802-03		0.025	15	15	0.025	10.30	15	9.1	229.556	BMD3730	05/05/22 19:04:55
17. L1488802-04		0.025	15	15	0.025	9.27	15	11.4	155.631	BMD3730	05/05/22 19:04:55
18. L1488802-05		0.025	15	15	0.025	7.79	15	13.6	72.022	BMD3730	05/05/22 19:04:55
19. L1488802-06		0.025	15	15	0.025	10.22	15	14.8	7.842	BMD3730	05/05/22 19:04:55
20. L1488911-01		0.025	15	15	0.025	9.48	15	15.0	0	BMD3730	05/05/22 19:04:55
MS(L1488556-01)		0.025	15	15	0.025	10.38	15	13.2	69.494	BMD3730	05/05/22 19:04:55
MSD(L1488556-01)		0.025	15	15	0.025	10.81	15	13.2	66.73	BMD3730	05/05/22 19:04:55

Comments:

Reviewed By:BMD3730 on 05/05/22 19:04:55

SULFIDE SS WetChem Prep Benchsheet

Batch: WG1860960/WG1859162

Analyst: BMD3730 **Analyst 2:** NA___ **Analyst 3:** NA___ **Prep Start Date/Time:** 05/05/22 08:00 **Prep End Date/Time:** 05/09/22 13:00
Date/Time Analyzed: 05/09/22 12:00:47 **SOP:** 0172 **Method:** 9030B **LCS True Value:** 100 ppm **Balance ID:** WETBAL9 **5mL Pipette Lot#:** NA
10mL Pipette Lot#: NA **50mL Pipette Lot#:** NA **250mL Container Lot#:** NA

H2SO4: 22E09305 Amt. Used: 50 mL Exp. Date:11/09/22 **0.5M Zn Acetate:** 22D28915 Amt. Used: 10 mL Exp. Date:09/29/22
37% Formaldehyde: 22D07126 Amt. Used: 5 mL Exp. Date:10/07/22 **LCS/D Standard:** 22E09303 Amt. Used: 10 mL Exp. Date:05/13/22
Iodine Solution: 22E05007 Amt. Used: 15 mL Exp. Date:11/05/22 **Sodium Thiosulfate Titrant:** 22E05008 Amt. Used: 1 Exp. Date:11/05/22
6N HCL: 22C22767 Amt. Used: 1 Exp. Date:09/22/22 **MS/D Standard:** 22E09303 Amt. Used: 10 mL Exp. Date:05/13/22

Sample Number	Prep Flags	Normality of I2	Vol I2 for Std. (mL)	Vol Titr for Std. (mL)	Normality of Titrant	Initial Sample Wt (g)	Volume of I2 (mL)	Volume of Titrant (mL)	Sulfide Result (mg/L)	Review Analyst	Review Date
BLANK		0.025	15	15	0.025	10.14	15	15.0	0	BMD3730	05/09/22 12:35:56
LCS		0.025	15	15	0.025	10.15	15	13.3	67.121	BMD3730	05/09/22 12:35:56
1. L1488556-02	T8	0.025	15	15	0.025	10.38	15	15.0	0	BMD3730	05/09/22 12:35:56
2. L1488556-03	T8	0.025	15	15	0.025	10.38	15	15.0	0	BMD3730	05/09/22 12:35:56
3. L1488556-04	T8	0.025	15	15	0.025	10.28	15	15.0	0	BMD3730	05/09/22 12:35:56
4. L1488800-03		0.025	15	15	0.025	8.29	15	12.4	125.688	BMD3730	05/09/22 12:35:56
5. L1489841-03		0.025	15	15	0.025	10.25	15	15.0	0	BMD3730	05/09/22 12:35:56
MS(L1488800-03)		0.025	15	15	0.025	8.62	15	9.9	237.103	BMD3730	05/09/22 12:35:56
MSD(L1488800-03)		0.025	15	15	0.025	8.71	15	10.0	230.052	BMD3730	05/09/22 12:35:56

Comments:

Reviewed By:BMD3730 on 05/09/22 12:35:56

9030B WetChem Prep Benchsheet

Batch: WG1859162

SDG	PrePrep Batch	PrePrep Analyst	PrePrep Balance	PrePrep Start Time
L1488800	WG1858206	BJM688	PREPREPBAL4	03-MAY-22
L1488931	WG1858924	BJM688	PREPREPBAL3	04-MAY-22
L1489064	WG1858966	BJM688	PREPREPBAL2	05-MAY-22
L1489324	WG1858986	BJM688	PREPREPBAL1	05-MAY-22
L1489789	WG1859893	BJM688	PREPREPBAL2	06-MAY-22
L1489841	WG1859956	BJM688	PREPREPBAL4	06-MAY-22
L1490078	WG1859956	BJM688	PREPREPBAL4	06-MAY-22

Analyst: BMD3730 **Analyst 2:** NA___ **Analyst 3:** NA___ **Prep Start Date/Time:** 05/05/22 08:00-05/08/22 08:00 **Prep End Date/Time:** 05/09/22 13:00
Date/Time Analyzed: 05/09/22 12:00:47 **SOP:** 0172 **Method:** 9030B **LCS True Value:** 100 ppm **Balance ID:** WETBAL9 **5mL Pipette Lot#:** NA
10mL Pipette Lot#: NA **50mL Pipette Lot#:** NA **250mL Container Lot#:** NA

H2SO4: 22E09305 Amt. Used: 50 mL Exp. Date:11/09/22 **0.5M Zn Acetate:** 22D28915 Amt. Used: 10 mL Exp. Date:09/29/22
37% Formaldehyde: 22D07126 Amt. Used: 5 mL Exp. Date:10/07/22 **LCS/D Standard:** 22E09303 Amt. Used: 10 mL Exp. Date:05/13/22
Iodine Solution: 22E05007 Amt. Used: 15 mL Exp. Date:11/05/22 **Sodium Thiosulfate Titrant:** 22E05008 Amt. Used: 1 Exp. Date:11/05/22
6N HCL: 22C22767 Amt. Used: 1 Exp. Date:09/22/22 **MS/D Standard:** 22E09303 Amt. Used: 10 mL Exp. Date:05/13/22

Sample Number	Prep Flags	Normality of I2	Vol I2 for Std. (mL)	Vol Titr for Std. (mL)	Normality of Titrant	Initial Sample Wt (g)	Volume of I2 (mL)	Volume of Titrant (mL)	Sulfide Result (mg/L)	Review Analyst	Review Date
BLANK		0.025	15	15	0.025	10.14	15	15.0	0	BMD3730	05/09/22 12:35:56
LCS		0.025	15	15	0.025	10.15	15	13.3	67.121	BMD3730	05/09/22 12:35:56
1. L1488556-02	T8	0.025	15	15	0.025	10.38	15	15.0	0	BMD3730	05/09/22 12:35:56
2. L1488556-03	T8	0.025	15	15	0.025	10.38	15	15.0	0	BMD3730	05/09/22 12:35:56
3. L1488556-04	T8	0.025	15	15	0.025	10.28	15	15.0	0	BMD3730	05/09/22 12:35:56
4. L1488635-01		0.025	15	15	0.025	10.22	15	15.0	0	BMD3730	05/09/22 12:35:56
5. L1488723-02		0.025	15	15	0.025	10.02	15	15.0	0	BMD3730	05/09/22 12:35:56
6. L1488783-02		0.025	15	15	0.025	9.70	15	14.2	33.052	BMD3730	05/09/22 12:35:56
7. L1488791-02		0.025	15	15	0.025	10.24	15	13.4	62.617	BMD3730	05/09/22 12:35:56
8. L1488800-03		0.025	15	15	0.025	8.29	15	12.4	125.688	BMD3730	05/09/22 12:35:56
9. L1488911-04		0.025	15	15	0.025	8.32	15	15.0	0	BMD3730	05/09/22 12:35:56
10. L1488931-01		0.025	15	15	0.025	9.68	15	14.9	4.14	BMD3730	05/09/22 12:35:56
11. L1488931-02		0.025	15	15	0.025	11.10	15	15.0	0	BMD3730	05/09/22 12:35:56
12. L1488931-03		0.025	15	15	0.025	11.25	15	14.9	3.562	BMD3730	05/09/22 12:35:56
13. L1489064-02		0.025	15	15	0.025	10.38	15	15.0	0	BMD3730	05/09/22 12:35:56
14. L1489324-02		0.025	15	15	0.025	10.00	15	15.0	0	BMD3730	05/09/22 12:35:56
15. L1489324-04		0.025	15	15	0.025	10.19	15	15.0	0	BMD3730	05/09/22 12:35:56
16. L1489324-06		0.025	15	15	0.025	10.78	15	15.0	0	BMD3730	05/09/22 12:35:56
17. L1489789-01		0.025	15	15	0.025	9.35	15	15.0	0	BMD3730	05/09/22 12:35:56

Sample Number	Prep Flags	Normality of I2	Vol I2 for Std. (mL)	Vol Titr for Std. (mL)	Normality of Titrant	Initial Sample Wt (g)	Volume of I2 (mL)	Volume of Titrant (mL)	Sulfide Result (mg/L)	Review Analyst	Review Date
18. L1489841-02		0.025	15	15	0.025	10.33	15	15.0	0	BMD3730	05/09/22 12:35:56
19. L1489841-03		0.025	15	15	0.025	10.25	15	15.0	0	BMD3730	05/09/22 12:35:56
20. L1490078-02		0.025	15	15	0.025	9.85	15	11.3	150.536	BMD3730	05/09/22 12:35:56
MS(L1488800-03)		0.025	15	15	0.025	8.62	15	9.9	237.103	BMD3730	05/09/22 12:35:56
MSD(L1488800-03)		0.025	15	15	0.025	8.71	15	10.0	230.052	BMD3730	05/09/22 12:35:56

Comments:
L1488911-04 Time Added: 05/09/22 09:52:37

Reviewed By: BMD3730 on 05/09/22 12:35:56

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

COD	Coefficient of Determination.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Mass	Mass of parameter.
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
RRF	Relative Response Factor.
RT	Retention Time.
SDG	Sample Delivery Group.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Wavelength	Wavelength of parameter.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.
NI	Manual Integration Code to indicate that the peak was not integrated at all by the computer software.
LT	Manual Integration Code to indicate that the peak in question was inappropriately integrated to an area less than what it should be (i.e., peak area was cut).
GT	Manual Integration Code to indicate that the peak in question was inappropriately integrated to an area greater than it should be (i.e., peak tailing).
BA	Manual Integration Code to indicate that the baseline had to be adjusted correctly by the analyst.
WP	Manual Integration Code to indicate that the wrong peak was chosen.
CO	Manual Integration Code to indicate that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.
RT	Manual Integration Code to indicate that the retention time for the peak in question has shifted from the expected retention time.
INT	Manual Integration Code to indicate that there was electronic interference (i.e., noise).

GLOSSARY OF TERMS

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Internal Transfer Chain of Custody

Pace Analytical®
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: WA
Cert. Needed: [x] Yes ☐ No
Owner Received Date: 5/2/2022 Results Requested By: 5/23/2022

Workorder: 10606560 **Workorder Name:** D3593500

Report To	Subcontract To
Kongmeng Vang Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone (612)607-1700	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

JGFU

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Requested Analysis: 8270 SVOC - Pace National	Sulfides SW9030 - Pace National	LAB USE ONLY
1	BNSF-L320-042922-0-2	PS	4/29/2022 10:00	10606560001	Solid	2	X	X	01
2	BNSF-I120-042922-0-6	PS	4/29/2022 10:45	10606560002	Solid	2	X	X	02
3	BNSF-BG20-042922-010	RQS	4/29/2022 11:25	10606560003	Solid	2	X	X	03
4									
5									

L1488800

Transfers	Released By	Date/Time	Received By	Date/Time
1	CSM/Pace	5.2.22 15:55	[signature]	5/3/22 0930
2				
3				

Comments

Cooler Temperature on Receipt °C | **Custody Seal** Y or N | **Received on Ice** Y or N | **Samples Intact** Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

5466 8884 5700

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N	DRA7	
Sufficient volume sent:	Y N	3.0 +0 = 3.0	
RAD Screen <0.5 mR/hr:	Y N		

10606560

Pace Analytical®
www.pacelabs.com

Ship To:
Pace National
12065 Lebanon Rd
Mt. Juliet, TN 37122
Phone (615) 758-5858

INTER_LABORATORY WORK ORDER # 10606560
(To be completed by sending lab)

Sending Project No:	10606560
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	05/02/22
REQUESTED COMPLETION DATE:	**5/23/2022**

Sending Region	IR10-Minnesota	Sending Project Mgr.	Andrea Richardson
Receiving Region	IR850-Pace National	External Client	BNSF_Jacobs_WA
State of Sample Origin	WA	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed yes

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Unit Price	Amount
Sulfides SW9030 - Pace National	JGFU		Unpreserved	2	$22.00	$44.00
Sulfides SW9030 - Pace National	JGFU		Unpreserved	1	$66.00	$66.00
8270 SVOC - Pace National	JGFU		Unpreserved	2	$130.00	$260.00
8270 SVOC - Pace National	JGFU		Unpreserved	1	$390.00	$390.00
					TOTAL	$760.00

Special Requirements: Report D, QC Limits, MDLs (D),Jacobs UPRR EQEDD (1579)

Receiving Region Department	Acctg. Code	Totals from above	Revenue Allocation	
			Receiving Region (80%)	Client Services Dept. Sending Region (20%)
Wet Chemistry	21	$110.00	$88.00	$22.00
GC/MS Semivolatiles	30	$650.00	$520.00	$130.00
* Custom Revenue Allocation	**TOTAL**	$760.00	$608.00	$152.00

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☒ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.

When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

1015 of 1091

10606560

8270 SVOC List

Semi-volatile Organic Compounds and Polycy
3&4-Methylphenol
Benzoic acid
Bis(2-ethylhexyl) phthalate
Carbazole
Dibenzofuran
Di-n-butyl phthalate
Di-n-octyl phthalate
Pentachlorophenol
Phenol
1-Methylnaphthalene
2-Methylnaphthalene
Acenaphthene
Acenaphthylene
Anthracene
Benz(a)anthracene
Benzo(a)pyrene
Benzo(ghi)perylene
Chrysene
Dibenz(ah)anthracene
Fluoranthene
Fluorene
Indeno(123-cd)pyrene
Naphthalene
Phenanthrene
Pyrene
Benzo(b)fluoranthene
Benzo(k)fluoranthene

ANALYTICAL REPORT

Job Number: 580-113471-1

Job Description: D3593500 10606560

For:
Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414

Attention: Kongmeng Vang

Approved for release.
Pauline M Matlock
Project Manager
6/20/2022 1:07 PM

Pauline M Matlock, Project Manager
5755 8th Street East, Tacoma, WA, 98424
(253)922-2310
Pauline.Matlock@et.eurofinsus.com
06/20/2022
Revision: 1

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The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

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

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Qualifiers

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 5/26/2022. The report (revision 1) is being revised due to: Error in sample ID, Sample BNSF-BG20-042922-0-010 should actually be BNSF-BG20-042922-0-10.

Receipt
The samples were received on 5/5/2022 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.3º C.

Receipt Exceptions
Two containers were received of the following sample: BNSF-BG20-042922-0-10 (580-113471-3). Only one was received of the other samples.

General Chemistry
Method 350.1 The method blank for analytical batch 580-391448 contained Ammonia above the method detection limit. This target analyte concentration was less than half of the reporting limit (1/2RL); therefore re-extraction and re-analysis of samples was not performed.

Method 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batches 580-391244 and 580-391445 and analytical batch 580-391448 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 9060A: The sample duplicate (DUP) precision for analytical batch 580-390261 was outside control limits. Sample matrix interference is suspected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606560

Job ID: 580-113471-1

Client Sample ID: BNSF-L320-042922-0-2 — Lab Sample ID: 580-113471-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon - Duplicates	30000		3000	100	mg/Kg	1	☼	9060A	Total/NA
Ammonia as N	10	J B	30	10	mg/Kg	1	☼	350.1	Soluble

Client Sample ID: BNSF-I120-042922-0-6 — Lab Sample ID: 580-113471-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon - Duplicates	5000		3000	100	mg/Kg	1	☼	9060A	Total/NA
Ammonia as N	20	J B	40	10	mg/Kg	1	☼	350.1	Soluble

Client Sample ID: BNSF-BG20-042922-0-10 — Lab Sample ID: 580-113471-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon - Duplicates	7000		3000	100	mg/Kg	1	☼	9060A	Total/NA
Ammonia as N	30	J F1 B	40	10	mg/Kg	1	☼	350.1	Soluble

This Detection Summary does not include radiochemical test results.

Client Sample ID: BNSF-L320-042922-0-2

Lab Sample ID: 580-113471-1
Date Collected: 04/29/22 10:00
Matrix: Solid
Date Received: 05/05/22 09:45
Percent Solids: 79.8

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	30000		3000	100	mg/Kg	☼		05/10/22 18:39	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	10	J B	30	10	mg/Kg	☼	05/21/22 22:51	05/21/22 23:10	1

Client Sample ID: BNSF-I120-042922-0-6

Lab Sample ID: 580-113471-2
Date Collected: 04/29/22 10:45
Matrix: Solid
Date Received: 05/05/22 09:45
Percent Solids: 67.0

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	5000		3000	100	mg/Kg	☼		05/10/22 18:59	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	20	J B	40	10	mg/Kg	☼	05/21/22 22:51	05/21/22 23:10	1

Client Sample ID: BNSF-BG20-042922-0-10

Lab Sample ID: 580-113471-3
Date Collected: 04/29/22 11:25
Matrix: Solid
Date Received: 05/05/22 09:45
Percent Solids: 64.9

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	7000		3000	100	mg/Kg	☼		05/10/22 19:03	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	30	J F1 B	40	10	mg/Kg	☼	05/21/22 22:51	05/21/22 23:10	1

Default Detection Limits

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606560

Job ID: 580-113471-1

General Chemistry

Analyte	RL	MDL	Units
Total Organic Carbon - Duplicates	2000	100	mg/Kg

General Chemistry - Soluble

Prep: Distill/Ammonia

Leach: DI Leach

Analyte	RL	MDL	Units
Ammonia as N	30	9	mg/Kg

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 580-391244/1-B
Matrix: Solid
Analysis Batch: 391448

Client Sample ID: Method Blank
Prep Type: Soluble
Prep Batch: 391445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	9.0	J	30	9	mg/Kg		05/21/22 22:51	05/21/22 23:10	1

Lab Sample ID: LCS 580-391244/2-B
Matrix: Solid
Analysis Batch: 391448

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 391445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	50.0	50		mg/Kg		100	90 - 110

Lab Sample ID: 580-113471-3 MS
Matrix: Solid
Analysis Batch: 391448

Client Sample ID: BNSF-BG20-042922-0-10
Prep Type: Soluble
Prep Batch: 391445

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	30	J F1 B	76.0	86	F1	mg/Kg	☼	80	90 - 110

Lab Sample ID: 580-113471-3 MSD
Matrix: Solid
Analysis Batch: 391448

Client Sample ID: BNSF-BG20-042922-0-10
Prep Type: Soluble
Prep Batch: 391445

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia as N	30	J F1 B	74.8	85	F1	mg/Kg	☼	80	90 - 110	2	20

Lab Sample ID: 580-113471-3 DU
Matrix: Solid
Analysis Batch: 391448

Client Sample ID: BNSF-BG20-042922-0-10
Prep Type: Soluble
Prep Batch: 391445

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia as N	30	J F1 B	27	J	mg/Kg	☼	7	20

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-390261/5
Matrix: Solid
Analysis Batch: 390261

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	ND		2000	100	mg/Kg			05/10/22 17:35	1

Lab Sample ID: LCS 580-390261/6
Matrix: Solid
Analysis Batch: 390261

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Duplicates	120000	110000		mg/Kg		95	80 - 120

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCSD 580-390261/7
Matrix: Solid
Analysis Batch: 390261

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates			120000	110000		mg/Kg		95	80 - 120	0	20

Lab Sample ID: 580-113471-1 MS
Matrix: Solid
Analysis Batch: 390261

Client Sample ID: BNSF-L320-042922-0-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Duplicates	30000		150000	170000		mg/Kg	☼	93	75 - 125		

Lab Sample ID: 580-113471-1 MSD
Matrix: Solid
Analysis Batch: 390261

Client Sample ID: BNSF-L320-042922-0-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates	30000		150000	160000		mg/Kg	☼	90	75 - 125	3	20

Lab Sample ID: 580-113471-1 DU
Matrix: Solid
Analysis Batch: 390261

Client Sample ID: BNSF-L320-042922-0-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon - Duplicates	30000			24000		mg/Kg	☼			16	20

General Chemistry

Analysis Batch: 390261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-113471-1	BNSF-L320-042922-0-2	Total/NA	Solid	9060A	
580-113471-2	BNSF-I120-042922-0-6	Total/NA	Solid	9060A	
580-113471-3	BNSF-BG20-042922-0-10	Total/NA	Solid	9060A	
MB 580-390261/5	Method Blank	Total/NA	Solid	9060A	
LCS 580-390261/6	Lab Control Sample	Total/NA	Solid	9060A	
LCSD 580-390261/7	Lab Control Sample Dup	Total/NA	Solid	9060A	
580-113471-1 MS	BNSF-L320-042922-0-2	Total/NA	Solid	9060A	
580-113471-1 MSD	BNSF-L320-042922-0-2	Total/NA	Solid	9060A	
580-113471-1 DU	BNSF-L320-042922-0-2	Total/NA	Solid	9060A	

Analysis Batch: 391086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-113471-1	BNSF-L320-042922-0-2	Total/NA	Solid	2540G	
580-113471-2	BNSF-I120-042922-0-6	Total/NA	Solid	2540G	
580-113471-3	BNSF-BG20-042922-0-10	Total/NA	Solid	2540G	

Leach Batch: 391244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-113471-1	BNSF-L320-042922-0-2	Soluble	Solid	DI Leach	
580-113471-2	BNSF-I120-042922-0-6	Soluble	Solid	DI Leach	
580-113471-3	BNSF-BG20-042922-0-10	Soluble	Solid	DI Leach	
MB 580-391244/1-B	Method Blank	Soluble	Solid	DI Leach	
LCS 580-391244/2-B	Lab Control Sample	Soluble	Solid	DI Leach	
580-113471-3 MS	BNSF-BG20-042922-0-10	Soluble	Solid	DI Leach	
580-113471-3 MSD	BNSF-BG20-042922-0-10	Soluble	Solid	DI Leach	
580-113471-3 DU	BNSF-BG20-042922-0-10	Soluble	Solid	DI Leach	

Prep Batch: 391445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-113471-1	BNSF-L320-042922-0-2	Soluble	Solid	Distill/Ammonia	391244
580-113471-2	BNSF-I120-042922-0-6	Soluble	Solid	Distill/Ammonia	391244
580-113471-3	BNSF-BG20-042922-0-10	Soluble	Solid	Distill/Ammonia	391244
MB 580-391244/1-B	Method Blank	Soluble	Solid	Distill/Ammonia	391244
LCS 580-391244/2-B	Lab Control Sample	Soluble	Solid	Distill/Ammonia	391244
580-113471-3 MS	BNSF-BG20-042922-0-10	Soluble	Solid	Distill/Ammonia	391244
580-113471-3 MSD	BNSF-BG20-042922-0-10	Soluble	Solid	Distill/Ammonia	391244
580-113471-3 DU	BNSF-BG20-042922-0-10	Soluble	Solid	Distill/Ammonia	391244

Analysis Batch: 391448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-113471-1	BNSF-L320-042922-0-2	Soluble	Solid	350.1	391445
580-113471-2	BNSF-I120-042922-0-6	Soluble	Solid	350.1	391445
580-113471-3	BNSF-BG20-042922-0-10	Soluble	Solid	350.1	391445
MB 580-391244/1-B	Method Blank	Soluble	Solid	350.1	391445
LCS 580-391244/2-B	Lab Control Sample	Soluble	Solid	350.1	391445
580-113471-3 MS	BNSF-BG20-042922-0-10	Soluble	Solid	350.1	391445
580-113471-3 MSD	BNSF-BG20-042922-0-10	Soluble	Solid	350.1	391445
580-113471-3 DU	BNSF-BG20-042922-0-10	Soluble	Solid	350.1	391445

Client Sample ID: BNSF-L320-042922-0-2
Lab Sample ID: 580-113471-1
Date Collected: 04/29/22 10:00
Matrix: Solid
Date Received: 05/05/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	391086	05/18/22 15:50	JSM	FGS SEA

Client Sample ID: BNSF-L320-042922-0-2
Lab Sample ID: 580-113471-1
Date Collected: 04/29/22 10:00
Matrix: Solid
Date Received: 05/05/22 09:45
Percent Solids: 79.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			391244	05/19/22 17:34	MLT	FGS SEA
Soluble	Prep	Distill/Ammonia			391445	05/21/22 22:51	MLT	FGS SEA
Soluble	Analysis	350.1		1	391448	05/21/22 23:10	MLT	FGS SEA
Total/NA	Analysis	9060A		1	390261	05/10/22 18:39	N1R	FGS SEA

Client Sample ID: BNSF-I120-042922-0-6
Lab Sample ID: 580-113471-2
Date Collected: 04/29/22 10:45
Matrix: Solid
Date Received: 05/05/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	391086	05/18/22 15:50	JSM	FGS SEA

Client Sample ID: BNSF-I120-042922-0-6
Lab Sample ID: 580-113471-2
Date Collected: 04/29/22 10:45
Matrix: Solid
Date Received: 05/05/22 09:45
Percent Solids: 67.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			391244	05/19/22 17:34	MLT	FGS SEA
Soluble	Prep	Distill/Ammonia			391445	05/21/22 22:51	MLT	FGS SEA
Soluble	Analysis	350.1		1	391448	05/21/22 23:10	MLT	FGS SEA
Total/NA	Analysis	9060A		1	390261	05/10/22 18:59	N1R	FGS SEA

Client Sample ID: BNSF-BG20-042922-0-10
Lab Sample ID: 580-113471-3
Date Collected: 04/29/22 11:25
Matrix: Solid
Date Received: 05/05/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	391086	05/18/22 15:50	JSM	FGS SEA

Client Sample ID: BNSF-BG20-042922-0-10
Lab Sample ID: 580-113471-3
Date Collected: 04/29/22 11:25
Matrix: Solid
Date Received: 05/05/22 09:45
Percent Solids: 64.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			391244	05/19/22 17:34	MLT	FGS SEA
Soluble	Prep	Distill/Ammonia			391445	05/21/22 22:51	MLT	FGS SEA
Soluble	Analysis	350.1		1	391448	05/21/22 23:10	MLT	FGS SEA
Total/NA	Analysis	9060A		1	390261	05/10/22 19:03	N1R	FGS SEA

Laboratory References:

FGS SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Pace Analytical Services, LLC
Job ID: 580-113471-1
Project/Site: D3593500 10606560

Laboratory: Eurofins Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4167	07-07-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Solids

Method Summary

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606560

Job ID: 580-113471-1

Method	Method Description	Protocol	Laboratory
2540G	SM 2540G	SM22	FGS SEA
350.1	Nitrogen, Ammonia	MCAWW	FGS SEA
9060A	Organic Carbon, Total (TOC)	SW846	FGS SEA
DI Leach	Deionized Water Leaching Procedure	ASTM	FGS SEA
Distill/Ammonia	Distillation, Ammonia	None	FGS SEA

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

None = None

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

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

Laboratory References:

FGS SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606560

Job ID: 580-113471-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-113471-1	BNSF-L320-042922-0-2	Solid	04/29/22 10:00	05/05/22 09:45
580-113471-2	BNSF-I120-042922-0-6	Solid	04/29/22 10:45	05/05/22 09:45
580-113471-3	BNSF-BG20-042922-0-10	Solid	04/29/22 11:25	05/05/22 09:45

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
Ammonia Std_00019	06/14/23	LabChem, Lot L158-09			(Purchased Reagent)		Ammonia as N	1000 mg/L
CaCO3_00004_00009	07/16/25	LECO, Lot 1001			(Purchased Reagent)		TOC Result 1	120000 mg/Kg
							Total Organic Carbon - Duplicates	120000 mg/Kg
CaCO3_00012	03/31/23	Alfa Aesar, Lot X15E030			(Purchased Reagent)		Total Organic Carbon - Duplicates	120000 mg/Kg
TOCS_LCS_00012	07/26/23	ERA, Lot D108-542			(Purchased Reagent)		TOC Result 1	4300 mg/Kg
							Total Organic Carbon - Duplicates	4300 mg/Kg

Reagent

Ammonia Std_00019

LabChem
performance through chemistry
Jackson's Pointe Commerce Park - Building 1000
1010 Jackson's Pointe Court, Zelienople, PA 16063
Ph: 412-826-5230 | Fax: 724-473-0647 | www.labchem.com

CERTIFICATE OF ANALYSIS

Description: AMMONIA (as NITROGEN) STANDARD, 1000ppm (1mL = 1mg N)

Mfg. Date: 06/14/2021

Catalog Number: LC17940

Exp. Date: 06/14/2023

Lot Number: L158-09

ANALYTICAL SECTION

Test	Specification	Test Result
Appearance	clear, colorless solution	Pass Test
Concentration ppm N	1000ppm +/- 10ppm	995 ppm
Concentration mg N/mL	1.000 +/- 0.010 mg N/mL	0.995 mg N/mL
Traceable to NIST	Potassium Chloride	999b

Intended Use - Product is intended for use in manufacturing procedures and laboratory procedures and protocols.

Storage Information - Unless otherwise noted on the product label, store the product under normal lab conditions in its tightly closed, original container. Do not pipet directly from the container or return unused portions to the container.

Instructions for Handling and Use - Please refer to the associated product label and Safety Data Sheet (SDS) for information regarding safety and handling of this product.

Preparation - All products are manufactured and tested according to established, documented procedures and methodology. Production documentation records manufacturing data, raw material traceability and testing history on a per lot basis. Balances, thermometers, and glassware are calibrated before first use and on a regular schedule with references traceable to NIST standards.

Submitted by: Greg Albright, Chemist Supervisor

2899582
ID: Ammonia Std_00019
Exp: 06/14/23 Prpd: R1K
1000ppm Ammonia (as Nitro

rcvd 6/30/21

An ISO9001:2015 certified company. Registration # 0306-01

06/30/2021 7:01 PM

Form #17.13 07/28/2016

Reagent

CaCO3_00004_00009

ACROS ORGANICS

Version	00
Molecular weight	100.09
Quality Test / Release Date	07/31/2020
Molecular Formula	C Ca O3
CAS No	471-34-1
Linear Formula	CaCO3
Flash Point (°C)	

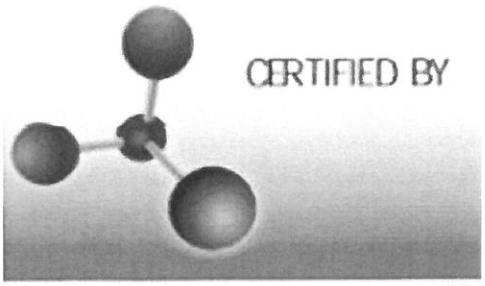
Certificate of Analysis

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Acros Organics expressly disclaims all warranties,expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to human or animals. It is the responsiblity of the purchaser, formulator or those performing further manufacturing to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	42351	**Quality Test / Release Date**	07/31/2020
Lot Number	A0421160	**Suggested retest date**	07/31/2025
Description	Calcium carbonate,99+%,ACS reagent		
Country of Origin	INDIA		
Declaration of Origin	synthetic		

BSE/TSE	
Chemical	

Result name	Specifications	Test Value
Appearance (Color)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Titration Complexometric	>=99.0 % (on dried substance)	99.4 % (on dried substance)
Heavy metals (ICP-OES)	=<0.001 %	=<0.001 %
Insoluble matter	=<0.01 % (in dilute HCl)	0.008 % (in dilute HCl)
Chloride (Cl)	=<0.001 %	=<0.001 %
Fluoride (F)	=<0.0015 %	=<0.0015 %
Sulfate (SO4)	=<0.01 %	=<0.01 %
Ammonium (NH4)	=<0.003 %	=<0.003 %
Barium (Ba)	=<0.01 %	0.00164 %
Iron (Fe)	=<0.003 %	=<0.003 %
Magnesium (Mg)	=<0.02 %	0.010341 %
Potassium (K)	=<0.01 %	0.001048 %
Sodium (Na)	=<0.1 %	0.07061 %
Strontium (Sr)	=<0.1 %	0.007741 %



C. Wygaerts, QA Manager

Issued: 08-03-2020

Acros Organics
ENA23, zone1, nr 1350, Janssen Pharmaceuticalaan 3a, B-2440 Geel, Belgium
Tel +32 14/57.52.11 - Fax+32 14/59.34.34 Internet:http://www.acros.com
1 Reagent Lane, Fair Lawn, NJ 07410, USA Fax 201-796-1329

3092515

ID: CaCO3_00004_00009

Exp 07/16/25 Prpd:R1K Opn:03/04/22

CaCO3-12%TC Second Source

FCG 3/4/22

Reagent

CaCO3_00012

Certificate of analysis

2450156
ID: CaCO3_00012
Exp:03/31/23 Prpd:JKM Opn:08/14/19
CaCO3-12%TC Second Source

Product No.: 36337

Product: Calcium carbonate, ACS, low in alkalies, 99.0% min

Lot No.: X15E030

Test	Limits	Results
Assay	99.5 % min	99.1 %
Insoluble in dilute HCl	0.01 % max	< 0.01 %
Chloride	0.001 % max	< 0.001 %
Fluoride	0.0015 % max	< 0.0008 %
Sulfate	0.005 % max	< 0.01 %
Ammonium	0.003 % max	< 0.003 %
Barium	0.01 %	< 0.01 %
Heavy metals (as Pb)	0.001 % max	< 0.001 %
Iron	0.002 % max	< 0.003 %
Magnesium	0.01 % max	0.003 %
Potassium	0.01 % max	< 0.01 %
Sodium	0.01 % max	< 0.1 %
Strontium	0.1 % max	< 0.1 %

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ThermoFisher SCIENTIFIC

Reagent

TOCS_LCS_00012

ERA
A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Nutrients in Soil
Catalog Number: 542
Lot No. D108-542
Certificate Issue Date: December 26, 2019
Expiration Date: July 26, 2023
Revision Number: Original

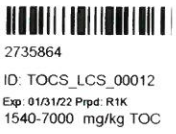
Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #542 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Ammonia as N	853	795	5.50	523 - 1070	456 - 1130
Total Kjeldahl Nitrogen	1510	1500	12.3	976 - 2030	827 - 2180
Total Organic Carbon (TOC)	4300	4370	6.86	1580 - 7150	1530 - 7200
Total Phosphorus	911	815	10.8	422 - 1210	185 - 1440

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Ammonia as N	853	795	93.3	39	-	-
Total Kjeldahl Nitrogen	1510	1500	99.7	33	-	-
Total Organic Carbon (TOC)	4300	4370	102	24	-	-
Total Phosphorus	911	815	89.4	55	-	-



Rev.1 10/21/20

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ T: 800.372.0122 ▪ 303.431.8454 ▪ www.eraqc.com

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

8. **Metrological Traceability**. This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job Number: 580-113471-1

SDG No.:

Project: D3593500 10606560

Client Sample ID	Lab Sample ID
BNSF-L320-042922-0-2	580-113471-1
BNSF-I120-042922-0-6	580-113471-2
BNSF-BG20-042922-0-10	580-113471-3

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: BNSF-L320-042922-0-2 Lab Sample ID: 580-113471-1

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG ID.:

Matrix: Solid Date Sampled: 04/29/2022 10:00

Reporting Basis: DRY Date Received: 05/05/2022 09:45

% Solids: 79.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon - Duplicates	30000	3000	100	mg/Kg			1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: BNSF-L320-042922-0-2 Lab Sample ID: 580-113471-1

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG ID.:

Matrix: Solid Date Sampled: 04/29/2022 10:00

Reporting Basis: DRY Date Received: 05/05/2022 09:45

% Solids: 79.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia as N	10	30	10	mg/Kg	J	B	1	350.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: BNSF-I120-042922-0-6 Lab Sample ID: 580-113471-2

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG ID.:

Matrix: Solid Date Sampled: 04/29/2022 10:45

Reporting Basis: DRY Date Received: 05/05/2022 09:45

% Solids: 67.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon - Duplicates	5000	3000	100	mg/Kg			1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: BNSF-I120-042922-0-6 Lab Sample ID: 580-113471-2

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG ID.:

Matrix: Solid Date Sampled: 04/29/2022 10:45

Reporting Basis: DRY Date Received: 05/05/2022 09:45

% Solids: 67.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia as N	20	40	10	mg/Kg	J	B	1	350.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: BNSF-BG20-042922-0-10 Lab Sample ID: 580-113471-3

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG ID.:

Matrix: Solid Date Sampled: 04/29/2022 11:25

Reporting Basis: DRY Date Received: 05/05/2022 09:45

% Solids: 64.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon - Duplicates	7000	3000	100	mg/Kg			1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: BNSF-BG20-042922-0-10 Lab Sample ID: 580-113471-3

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG ID.:

Matrix: Solid Date Sampled: 04/29/2022 11:25

Reporting Basis: DRY Date Received: 05/05/2022 09:45

% Solids: 64.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia as N	30	40	10	mg/Kg	J	F1 B	1	350.1

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG No.:

Analyst: N1R Batch Start Date: 03/18/2022

Reporting Units: mg/Kg Analytical Batch No.: 390261

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	18:26	Total Organic Carbon - Duplicates	4400	4300	101	80-120		TOCS_LCS_00012
2	ICB	18:28	Total Organic Carbon - Duplicates	ND					
3	CCV	17:30	Total Organic Carbon - Duplicates	120000	120000	99	80-120		CaCO3_00004_00009
4	CCB	17:33	Total Organic Carbon - Duplicates	ND					
13	CCV	18:05	Total Organic Carbon - Duplicates	120000	120000	99	80-120		CaCO3_00004_00009
14	CCB	18:07	Total Organic Carbon - Duplicates	ND					
26	CCV	18:55	Total Organic Carbon - Duplicates	120000	120000	99	80-120		CaCO3_00004_00009
27	CCB	18:57	Total Organic Carbon - Duplicates	ND					
32	CCV	19:17	Total Organic Carbon - Duplicates	120000	120000	100	80-120		CaCO3_00004_00009
33	CCB	19:19	Total Organic Carbon - Duplicates	ND					

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 391448	Date: 05/21/2022 23:10	Prep Batch: 391445	Date: 05/21/2022 22:51				
350.1	MB 580-391244/1-B	Ammonia as N	9.0	J	mg/Kg	30	1
Batch ID: 390261	Date: 05/10/2022 17:35						
9060A	MB 580-390261/5	Total Organic Carbon - Duplicates	ND		mg/Kg	2000	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 391448	Date: 05/21/2022 23:10		Prep Batch: 391445		Date: 05/21/2022 22:51						
350.1	580-113471-3	Ammonia as N	30	J	mg/Kg						F1 B
350.1	580-113471-3 MS	Ammonia as N	86		mg/Kg	76.0	80	90-110			F1
Batch ID: 390261	Date: 05/10/2022 18:49										
9060A	580-113471-1	Total Organic Carbon - Duplicates	30000		mg/Kg						
9060A	580-113471-1 MS	Total Organic Carbon - Duplicates	170000		mg/Kg	150000	93	75-125			

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 391448	Date: 05/21/2022 23:10		Prep Batch: 391445		Date: 05/21/2022 22:51						
350.1	580-113471-3 MSD	Ammonia as N	85		mg/Kg	74.8	80	90-110	2	20	F1
Batch ID: 390261	Date: 05/10/2022 18:51										
9060A	580-113471-1 MSD	Total Organic Carbon - Duplicates	160000		mg/Kg	150000	90	75-125	3	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG No.:

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 391448 Date: 05/21/2022 23:10			Prep Batch: 391445 Date: 05/21/2022 22:51					
350.1	BNSF-BG20-042922-0-10	580-113471-3	Ammonia as N	30	mg/Kg			J
350.1	BNSF-BG20-042922-0-10	580-113471-3 DU	Ammonia as N	27	mg/Kg	7	20	J
Batch ID: 390261 Date: 05/10/2022 18:44								
9060A	BNSF-L320-042922-0-2	580-113471-1	Total Organic Carbon - Duplicates	30000	mg/Kg			
9060A	BNSF-L320-042922-0-2	580-113471-1 DU	Total Organic Carbon - Duplicates	24000	mg/Kg	16	20	

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 391448	Date: 05/21/2022 23:10		Prep Batch: 391445		Date: 05/21/2022 22:51						
					LCS Source: Ammonia Std_00019						
350.1	LCS 580-391244/2-B	Ammonia as N	50		mg/Kg	50.0	100	90-110			
Batch ID: 390261	Date: 05/10/2022 17:37										
					LCS Source: CaCO3_00012						
9060A	LCS 580-390261/6	Total Organic Carbon - Duplicates	110000		mg/Kg	120000	95	80-120	0	20	

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

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 390261 Date: 05/10/2022 17:40											
						LCSD Source: CaCO3_00012					
9060A	LCSD 580-390261/7	Total Organic Carbon - Duplicates	110000		mg/Kg	120000	95	80-120	0	20	

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY - SOLUBLE

Lab Name: Eurofins Seattle Job Number: 580-113471-1

SDG Number:

Matrix: Solid Instrument ID: TAC126

Method: 350.1 MDL Date: 04/21/2021 07:54

Prep Method: Distill/Ammonia

Leach Method: DI Leach

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Ammonia as N		25	8.78

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY - SOLUBLE

Lab Name: Eurofins Seattle Job Number: 580-113471-1

SDG Number:

Matrix: Solid Instrument ID: TAC126

Method: 350.1 XMDL Date: 10/08/2019 08:54

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Ammonia as N		1	0.3512

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job Number: 580-113471-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: 2540G RL Date: 01/01/2005 13:13

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job Number: 580-113471-1

SDG Number:

Matrix: Solid Instrument ID: TAC105

Method: 9060A MDL Date: 07/09/2019 14:51

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Total Organic Carbon - Duplicates		2000	96.7

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job Number: 580-113471-1

SDG Number:

Matrix: Solid Instrument ID: TAC105

Method: 9060A XMDL Date: 07/09/2019 14:51

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Total Organic Carbon - Duplicates		2000	96.7

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG No.:

Prep Method: Distill/Ammonia

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 580-391244/1-B	05/21/2022 22:51	391445		50	50
LCS 580-391244/2-B	05/21/2022 22:51	391445		50	50
580-113471-1	05/21/2022 22:51	391445		50	50
580-113471-2	05/21/2022 22:51	391445		50	50
580-113471-3	05/21/2022 22:51	391445		50	50
580-113471-3 DU	05/21/2022 22:51	391445		50	50
580-113471-3 MS	05/21/2022 22:51	391445		50	50
580-113471-3 MSD	05/21/2022 22:51	391445		50	50

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG No.:

Instrument ID: TAC126 Analysis Method: 350.1

Start Date: 05/21/2022 23:10 End Date: 05/21/2022 23:10

Lab Sample Id	D/F	Type	Time	Analytes																								
				NH3																								
MB 580-391244/1-B	1	S	23:10	X																								
LCS 580-391244/2-B	1	S	23:10	X																								
ZZZZZZ			23:10																									
ZZZZZZ			23:10																									
ZZZZZZ			23:10																									
ZZZZZZ			23:10																									
ZZZZZZ			23:10																									
580-113471-1	1	S	23:10	X																								
580-113471-2	1	S	23:10	X																								
580-113471-3	1	S	23:10	X																								
580-113471-3 DU	1	S	23:10	X																								
580-113471-3 MS	1	S	23:10	X																								
580-113471-3 MSD	1	S	23:10	X																								

Prep Types:
S = Soluble

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG No.:

Instrument ID: NOEQUIP Analysis Method: 2540G

Start Date: 05/18/2022 15:50 End Date: 05/19/2022 08:34

Lab Sample Id	D/F	Type	Time	Analytes																									
				%Sol	Moist																								
ZZZZZZ			15:50																										
ZZZZZZ			15:50																										
ZZZZZZ			15:50																										
ZZZZZZ			15:50																										
ZZZZZZ			15:50																										
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580-113471-1	1	T	15:50	X	X																								

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG No.:

Instrument ID: NOEQUIP Analysis Method: 2540G

Start Date: 05/18/2022 15:50 End Date: 05/19/2022 08:34

Lab Sample Id	D/F	Type	Time	Analytes																									
				% Sol	Moist																								
580-113471-2	1	T	15:50	X	X																								
580-113471-3	1	T	15:50	X	X																								
ZZZZZZ			15:50																										
ZZZZZZ			15:50																										
ZZZZZZ			15:50																										
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ZZZZZZ			15:50																										
ZZZZZZ			08:34																										

Prep Types:
T = Total/NA

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG No.:

Instrument ID: TAC105 Analysis Method: 9060A

Start Date: 03/18/2022 18:26 End Date: 05/11/2022 14:19

Lab Sample Id	D/F	Type	Time	Analytes																								
				TOCD																								
ICV 580-390261/1	1		18:26	X																								
ICB 580-390261/2	1		18:28	X																								
CCV 580-390261/3	1		17:30	X																								
CCB 580-390261/4	1		17:33	X																								
MB 580-390261/5	1	T	17:35	X																								
LCS 580-390261/6	1	T	17:37	X																								
LCSD 580-390261/7	1	T	17:40	X																								
ZZZZZZ			17:43																									
ZZZZZZ			17:47																									
ZZZZZZ			17:52																									
ZZZZZZ			17:56																									
ZZZZZZ			18:00																									
CCV 580-390261/13	1		18:05	X																								
CCB 580-390261/14	1		18:07	X																								
ZZZZZZ			18:09																									
ZZZZZZ			18:14																									
ZZZZZZ			18:18																									
ZZZZZZ			18:22																									
ZZZZZZ			18:27																									
ZZZZZZ			18:31																									
ZZZZZZ			18:35																									
580-113471-1	1	T	18:39	X																								
580-113471-1 DU	1	T	18:44	X																								
580-113471-1 MS	1	T	18:49	X																								
580-113471-1 MSD	1	T	18:51	X																								
CCV 580-390261/26	1		18:55	X																								
CCB 580-390261/27	1		18:57	X																								
580-113471-2	1	T	18:59	X																								
580-113471-3	1	T	19:03	X																								
ZZZZZZ			19:07																									
ZZZZZZ			19:12																									
CCV 580-390261/32	1		19:17	X																								
CCB 580-390261/33	1		19:19	X																								
CCV 580-390261/34			13:37																									
CCB 580-390261/35			13:39																									
ZZZZZZ			13:42																									
ZZZZZZ			13:44																									
ZZZZZZ			13:47																									
ZZZZZZ			13:49																									
ZZZZZZ			13:54																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG No.:

Instrument ID: TAC105 Analysis Method: 9060A

Start Date: 03/18/2022 18:26 End Date: 05/11/2022 14:19

Lab Sample Id	D/F	Type	Time	Analytes																									
				TOCD																									
ZZZZZZ			13:58																										
ZZZZZZ			14:01																										
ZZZZZZ			14:03																										
ZZZZZZ			14:07																										
ZZZZZZ			14:12																										
CCV 580-390261/46			14:17																										
CCB 580-390261/47			14:19																										

Prep Types:
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG No.:

Batch Number: 391244 Batch Start Date: 05/19/22 17:34 Batch Analyst: Tanase, Michelle L

Batch Method: DI Leach Batch End Date: 05/21/22 22:49

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Ammonia Std 00019			
MB 580-391244/1		DI Leach, Distill/Ammonia, 350.1		10 g	250 mL				
LCS 580-391244/2		DI Leach, Distill/Ammonia, 350.1		10 g	250 mL	0.5 mL			
580-113471-A-1	BNSF-L320-042922-0-2	DI Leach, Distill/Ammonia, 350.1	S	10.3212 g	250 mL				
580-113471-A-2	BNSF-I120-042922-0-6	DI Leach, Distill/Ammonia, 350.1	S	10.0185 g	250 mL				
580-113471-A-3	BNSF-BG20-042922-0-10	DI Leach, Distill/Ammonia, 350.1	S	10.0829 g	250 mL				
580-113471-A-3 DU	BNSF-BG20-042922-0-10	DI Leach, Distill/Ammonia, 350.1	S	10.0942 g	250 mL				
580-113471-A-3 MS	BNSF-BG20-042922-0-10	DI Leach, Distill/Ammonia, 350.1	S	10.1278 g	250 mL	0.5 mL			
580-113471-A-3 MSD	BNSF-BG20-042922-0-10	DI Leach, Distill/Ammonia, 350.1	S	10.2978 g	250 mL	0.5 mL			

Batch Notes	
Balance ID	SEA236
Blank Matrix ID	DI water
Tumble Start Time	05/19/2022 21:06
Tumble End Time	05/19/2022 22:06
Pipette/Syringe/Dispenser ID	WC 2E

Basis	Basis Description
S	Soluble

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG No.:

Batch Number: 391445 Batch Start Date: 05/21/22 22:51 Batch Analyst: Tanase, Michelle L

Batch Method: Distill/Ammonia Batch End Date: 05/21/22 23:01

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 580-391244/1-A		Distill/Ammonia, 350.1		50 mL	50 mL				
LCS 580-391244/2-A		Distill/Ammonia, 350.1		50 mL	50 mL				
580-113471-A-1-A	BNSF-L320-042922-0-2	Distill/Ammonia, 350.1	S	50 mL	50 mL				
580-113471-A-2-A	BNSF-I120-042922-0-6	Distill/Ammonia, 350.1	S	50 mL	50 mL				
580-113471-A-3-A	BNSF-BG20-042922-0-10	Distill/Ammonia, 350.1	S	50 mL	50 mL				
580-113471-A-3-B DU	BNSF-BG20-042922-0-10	Distill/Ammonia, 350.1	S	50 mL	50 mL				
580-113471-A-3-C MS	BNSF-BG20-042922-0-10	Distill/Ammonia, 350.1	S	50 mL	50 mL				
580-113471-A-3-D MSD	BNSF-BG20-042922-0-10	Distill/Ammonia, 350.1	S	50 mL	50 mL				

Batch Notes	
Balance ID	SEA236
Blank Matrix ID	DI water
pH Indicator ID	2839642
Acid used for pH adjustment	3154574
Base used for pH adjustment	3118259
Buffer Reagent ID	3139694
Boiling Chips ID	3093959
Anti Foam ID	3090171
Sulfuric Acid Reagent ID Number	3154574
Pipette/Syringe/Dispenser ID	WC 5A, WC 10E
Distilliation Unit ID	AMM Dist Block 1
Distillation Start Time	1702
Distillation End Time	1826
Uncorrected Temperature	In: 207 Out: 210 Celsius

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG No.:

Batch Number: 391445 Batch Start Date: 05/21/22 22:51 Batch Analyst: Tanase, Michelle L

Batch Method: Distill/Ammonia Batch End Date: 05/21/22 23:01

Basis	Basis Description
S	Soluble

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG No.:

Batch Number: 391448 Batch Start Date: 05/21/22 23:10 Batch Analyst: Tanase, Michelle L

Batch Method: 350.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 580-391244/1-B		350.1		50 mL	50 mL				
LCS 580-391244/2-B		350.1		50 mL	50 mL				
580-113471-A-1-B	BNSF-L320-042922-0-2	350.1	S	50 mL	50 mL				
580-113471-A-2-B	BNSF-I120-042922-0-6	350.1	S	50 mL	50 mL				
580-113471-A-3-E	BNSF-BG20-042922-0-10	350.1	S	50 mL	50 mL				
580-113471-A-3-F DU	BNSF-BG20-042922-0-10	350.1	S	50 mL	50 mL				
580-113471-A-3-G MS	BNSF-BG20-042922-0-10	350.1	S	50 mL	50 mL				
580-113471-A-3-H MSD	BNSF-BG20-042922-0-10	350.1	S	50 mL	50 mL				

Batch Notes	
Sodium Nitroprusside ID	3169868
Hypochlorite ID	3169911
Sodium Phenolate ID	Phenol/nitroferricyanide: 3169920
EDTA Buffer ID	3169862
Carrier Identification	DI water
Pipette/Syringe/Dispenser ID	WC 0.2D, WC 2E, WC 10E
Batch Comment	NH3: 3062042 (ICV), 3158234 (CCV)

Basis	Basis Description
S	Soluble

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG No.:

Batch Number: 391086 Batch Start Date: 05/18/22 15:50 Batch Analyst: McKell, Justin S

Batch Method: 2540G Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry	%_Moisture	%_Solid	
580-113471-A-1	BNSF-L320-042922-0-2	2540G	T	00000.68 g	00008.95 g	00007.28 g	20.1934703748489 %	79.8065296251511 %	
580-113471-A-2	BNSF-I120-042922-0-6	2540G	T	00000.65 g	00005.04 g	00003.59 g	33.0296127562642 %	66.9703872437358 %	
580-113471-A-3	BNSF-BG20-042922-0-10	2540G	T	00000.57 g	00005.22 g	00003.59 g	35.0537634408602 %	64.9462365591398 %	

Batch Notes	
Balance ID	sea225
Oven ID	microwave
Date samples were placed in the oven	05/18/2022
Time samples were place in the oven	16:33
Date samples were removed from oven	05/18/2022
Time Samples were removed from oven	17:33

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-113471-1

SDG No.:

Batch Number: 390261 Batch Start Date: 05/10/22 17:30 Batch Analyst: Ronk, Nicholas 1

Batch Method: 9060A Batch End Date: 05/11/22 14:14

Lab Sample ID	Client Sample ID	Method Chain	Basis	Baked Sand 00149	CaCO3 00012	CaCO3_00004 00009	TOCS_LCS 00012		
ICV 580-390261/1		9060A					# g		
CCV 580-390261/3		9060A				# g			
CCB 580-390261/4		9060A		# g					
MB 580-390261/5		9060A		# g					
LCS 580-390261/6		9060A			# g				
LCSD 580-390261/7		9060A			# g				
CCV 580-390261/13		9060A				# g			
CCB 580-390261/14		9060A		# g					
580-113471-A-1 MS	BNSF-L320-042922-0-2	9060A	T			0.1072 g			
580-113471-A-1 MSD	BNSF-L320-042922-0-2	9060A	T			0.1016 g			
CCV 580-390261/26		9060A				# g			
CCB 580-390261/27		9060A		# g					
CCV 580-390261/32		9060A				# g			
CCB 580-390261/33		9060A		# g					

Batch Notes	
Phosphoric Acid ID	3035886
Pipette/Syringe/Dispenser ID	SEA224

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

General Chemistry Raw Data Report

Job ID: 580-113471-1

Batch: 391448 **Analyst Initials: MLT**

Method: 350.1 **Instrument: Astoria Pacific rAPID T**

Lab Sample ID: MB 580-391244/1-B **Analysis Date: May 21, 2022 23:10**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Ammonia as N	None	1	0.36	mg/L	50 mL	50 mL

Lab Sample ID: LCS 580-391244/2-B **Analysis Date: May 21, 2022 23:10**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Ammonia as N	None	1	2.00	mg/L	50 mL	50 mL

Lab Sample ID: 580-113471-A-1-B **Analysis Date: May 21, 2022 23:10**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Ammonia as N	None	1	0.44	mg/L	50 mL	50 mL

Lab Sample ID: 580-113471-A-2-B **Analysis Date: May 21, 2022 23:10**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Ammonia as N	None	1	0.62	mg/L	50 mL	50 mL

Lab Sample ID: 580-113471-A-3-E **Analysis Date: May 21, 2022 23:10**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Ammonia as N	None	1	0.66	mg/L	50 mL	50 mL

Lab Sample ID: 580-113471-A-3-F DU **Analysis Date: May 21, 2022 23:10**

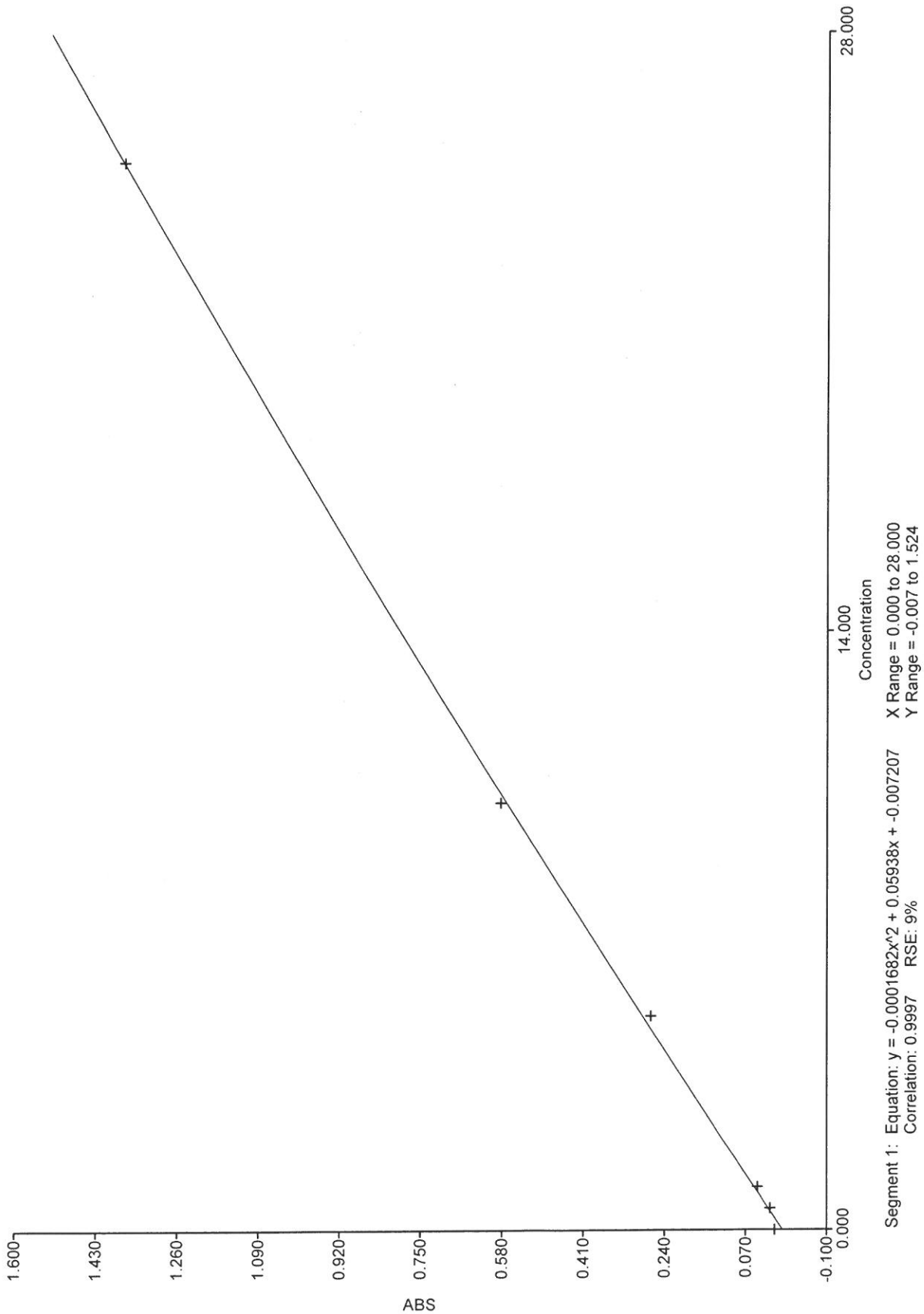
Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Ammonia as N	None	1	0.71	mg/L	50 mL	50 mL

Lab Sample ID: 580-113471-A-3-G MS **Analysis Date: May 21, 2022 23:10**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Ammonia as N	None	1	2.27	mg/L	50 mL	50 mL

Lab Sample ID: 580-113471-A-3-H MSD **Analysis Date: May 21, 2022 23:10**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Ammonia as N	None	1	2.27	mg/L	50 mL	50 mL


1.600
1.430
1.260
1.090
0.920
0.750
0.580
0.410
0.240
0.070
-0.100
ABS
0.000
14.000
28.000
Concentration
Segment 1: Equation: y = -0.0001682x^2 + 0.05938x + -0.007207
Correlation: 0.9997 RSE: 9%
X Range = 0.000 to 28.000
Y Range = -0.007 to 1.524

	Sample Info			Ammonia, High Level (T023)					
Row	Cup	ID	Comment	Abs	ppm	Status	Well	Date	Time
1	C1	NH3 0.0		0.009	0.27	Crv	A02	5/23/2022	1:03:25 AM
2	C2	NH3 0.5		0.019	0.44		A03	5/23/2022	1:06:12 AM
3	C3	NH3 1.0		0.045	0.88		A04	5/23/2022	1:09:00 AM
4	C4	NH3 5.0		0.268	4.70		A05	5/23/2022	1:11:55 AM
5	C5	NH3 10.0		0.583	10.23		B02	5/23/2022	1:14:47 AM
6	C6	NH3 25.0		1.371	24.97		B03	5/23/2022	1:17:59 AM
7	CC1	CCV		0.306	5.35		B04	5/23/2022	1:21:06 AM
8	CC5	CCB		0.006	0.23		B05	5/23/2022	1:24:19 AM
9	11	ICV		0.110	1.98		C02	5/23/2022	1:27:16 AM
10	12	ICB		0.009	0.27		C03	5/23/2022	1:30:20 AM
11	13	MB		0.014	0.36		C04	5/23/2022	1:33:27 AM
12	14	LCS		0.088	1.61		C05	5/23/2022	1:36:40 AM
13	15	469-1		0.031	0.64		D02	5/23/2022	1:39:39 AM
14	16	469-2		0.021	0.47		D03	5/23/2022	1:42:40 AM
15	17	469-4		0.035	0.72		D04	5/23/2022	1:45:47 AM
16	18	469-5		0.038	0.76		D05	5/23/2022	1:49:01 AM
17	CC1	CCV		0.286	5.01		E02	5/23/2022	1:52:00 AM
18	CC5	CCB		0.012	0.32		E03	5/23/2022	1:55:04 AM
19	19	469-6		0.021	0.47		E04	5/23/2022	1:58:08 AM
20	20	471-1		0.019	0.44		E05	5/23/2022	2:01:22 AM
21	21	471-2		0.029	0.62		F02	5/23/2022	2:04:21 AM
22	44	471-3		0.032	0.66		F03	5/23/2022	2:07:24 AM
23	45	471-3 DU		0.035	0.71		F04	5/23/2022	2:10:32 AM
24	46	471-3 MS		0.127	2.27		F05	5/23/2022	2:13:43 AM
25	47	471-3 MSD		0.127	2.27		G02	5/23/2022	2:16:42 AM
26	48	469-4 REDO		0.033	0.69		G03	5/23/2022	2:19:44 AM
27	CC1	CCV		0.294	5.15		G04	5/23/2022	2:22:51 AM
28	CC5	CCB		0.006	0.22		G05	5/23/2022	2:26:05 AM
29	CC1	CCV		0.296	5.18		A02	5/23/2022	9:20:02 AM
30	CC5	CCB		0.005	0.20		A03	5/23/2022	9:22:53 AM
31	49	LCS		0.094	1.71		A04	5/23/2022	9:25:42 AM
32	CC1	CCV		0.260	4.56		A05	5/23/2022	9:28:37 AM
33	CC5	CCB		-0.007	0.00		B02	5/23/2022	9:31:23 AM
34	50	LCS		0.111	2.00		B03	5/23/2022	9:41:38 AM
35	11	LCS		0.118	2.12		B04	5/23/2022	9:44:43 AM
36	CC1	CCV		0.286	5.01		B05	5/23/2022	9:47:32 AM
37	CC5	CCB		0.011	0.31		C02	5/23/2022	9:50:23 AM

General Chemistry Raw Data Report

Job ID: 580-113471-1

Batch: 391086 **Analyst Initials: JSM**

Method: 2540G **Instrument: NONE**

Lab Sample ID: 580-113471-A-1 **Analysis Date: May 18, 2022 15:50**

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	79.8065296251511	%
Percent Moisture	None	1	20.1934703748489	%

Lab Sample ID: 580-113471-A-2 **Analysis Date: May 18, 2022 15:50**

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	66.9703872437358	%
Percent Moisture	None	1	33.0296127562642	%

Lab Sample ID: 580-113471-A-3 **Analysis Date: May 18, 2022 15:50**

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	64.9462365591398	%
Percent Moisture	None	1	35.0537634408602	%

SC632 3/15/22 TOC SOIL CAL

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
Blank	1126.0		1.0000	TA SOIL LINNEAR	3/12/2022 12:11:17 PM	-0.00000004585	A07

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
2450155	1451030		0.2506	TA SOIL LINNEAR	3/12/2022 12:14:29 PM	11.72	A08
2450155	1177768		0.2010	TA SOIL LINNEAR	3/12/2022 12:16:59 PM	11.85	A09
2450155	888162		0.1495	TA SOIL LINNEAR	3/12/2022 12:19:25 PM	12.01	A10
2450155	615185		0.1009	TA SOIL LINNEAR	3/12/2022 12:21:59 PM	12.32	A01
2450155	457663		0.0742	TA SOIL LINNEAR	3/12/2022 12:24:31 PM	12.46	A02
2450155	163681		0.0253	TA SOIL LINNEAR	3/12/2022 12:26:45 PM	13.01	A03
Average			0.1336			12.23	
Std. Deviation			0.08			0.474	
RSD			62.46			3.874	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
ICV 2735864	54587		0.2001	TA SOIL LINNEAR	3/15/2022 4:03:45 PM	0.5153	A01

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
ICB	2280.0		0.2007	TA SOIL LINNEAR	3/15/2022 4:05:56 PM	0.007354	A02

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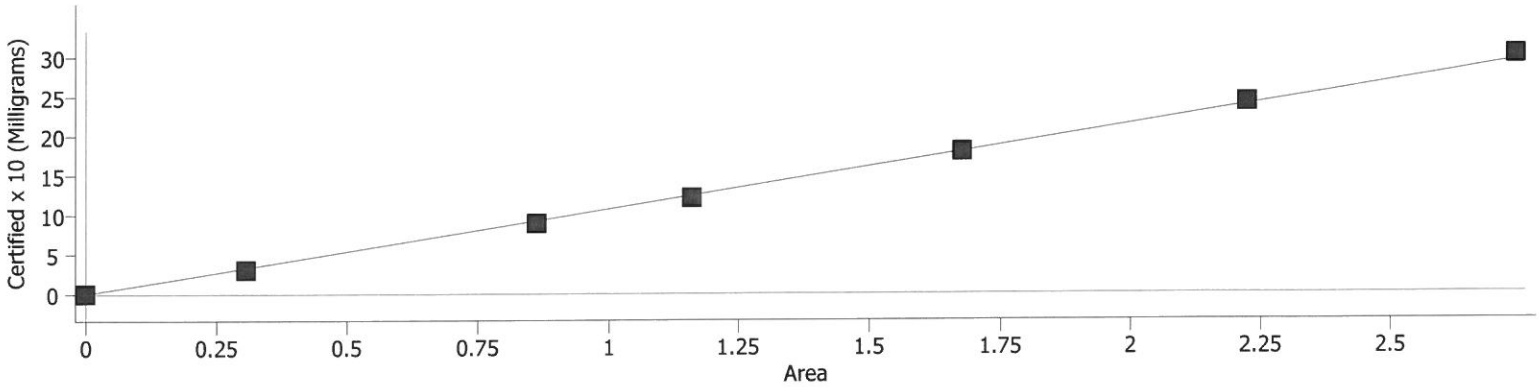
TA SOIL LINNEAR Calibration - Read Only

CO2 Low (range: 0.000000 to 30.072000 mg)

Previous Calibration:
y= +1.07104x + 0.000345869
Date: 3/12/2022 12:27:51 PM

New Calibration:
y= +1.07104x + 0.000345869
Curve Type: Linear
Weighting: 1 / Certified
RMS Error: 0.0012198



Row	Standard	Drift	Mass	Certified	Calculated	Error %	Prev Err %	Peak	Peak Area	Weighting	Date	Range	Saturated
1	Blank	0	1.0000	0.000	0.000000045	100.00	100.00	6.1098	-0.00032297	2.5000E+6	03/12/22 12:11 PM	Low	No
2	2450155	0	0.25060	12.000	11.715	-2.3711	-2.3711	2707.6	2.7408	0.33254	03/12/22 12:14 PM	Low	No
3	2450155	1	0.20100	12.000	11.854	-1.2201	-1.2201	2408.8	2.2242	0.41459	03/12/22 12:16 PM	Low	No
4	2450155	0	0.14950	12.000	12.014	0.11992	0.11992	2103.5	1.6767	0.55741	03/12/22 12:19 PM	Low	No
5	2450155	0	0.10090	12.000	12.323	2.6926	2.6926	1478.2	1.1606	0.82590	03/12/22 12:21 PM	Low	No
6	2450155	0	0.074200	12.000	12.459	3.8227	3.8227	1115.8	0.86280	1.1231	03/12/22 12:24 PM	Low	No
7	2450155	0	0.025300	12.000	13.010	8.4179	8.4179	493.53	0.30700	3.2938	03/12/22 12:26 PM	Low	No

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390261

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
ICV 2735864	46786		0.2021	TA SOIL LINNEAR	3/18/2022 6:26:29 PM	0.4352	A01

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
ICB	1514.5		0.2002	TA SOIL LINNEAR	3/18/2022 6:28:40 PM	-0.00005695	A02

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV 3092515	1193665		0.2060	TA SOIL LINNEAR	5/10/2022 5:30:53 PM	11.89	A01
CCV 3092515	1198497		0.2067	TA SOIL LINNEAR	5/10/2022 6:05:34 PM	11.90	B06
CCV 3092515	1169732		0.2015	TA SOIL LINNEAR	5/10/2022 6:55:06 PM	11.91	D08
CCV 3092515	1170014		0.2010	TA SOIL LINNEAR	5/10/2022 7:17:02 PM	11.94	E08
CCV 3092515	1178203		0.2046	TA SOIL LINNEAR	5/11/2022 1:37:46 PM	11.81	A01
CCV 3092515	1159843		0.2011	TA SOIL LINNEAR	5/11/2022 2:17:06 PM	11.83	B08
Average			0.2035			11.88	
Std. Deviation			0.003			0.048	
RSD			1.276			0.407	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB 3117971	1287.5		0.2056	TA SOIL LINNEAR	5/10/2022 5:33:07 PM	-0.01408	A02
CCB 3117971	2761.1		0.2056	TA SOIL LINNEAR	5/10/2022 6:07:47 PM	0.0006595	B07
CCB 3117971	3075.9		0.2059	TA SOIL LINNEAR	5/10/2022 6:57:17 PM	0.003802	D09
CCB 3117971	2941.5		0.2009	TA SOIL LINNEAR	5/10/2022 7:19:15 PM	0.002522	E09
CCB 3117971	1063.3		0.2040	TA SOIL LINNEAR	5/11/2022 1:39:58 PM	-0.01645	A02
CCB 3117971	830.14		0.2073	TA SOIL LINNEAR	5/11/2022 2:19:22 PM	-0.01850	B09
Average			0.2049			-0.007007	
Std. Deviation			0.002			0.010370	
RSD			1.081			148.0	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
MB 3117971	1761.6		0.2058	TA SOIL LINNEAR	5/10/2022 5:35:18 PM	-0.009328	A03

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Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
MB 3117971	1565.0		0.2021	TA SOIL LINNEAR	5/11/2022 1:42:10 PM	-0.01150	A03
Average			0.2040			-0.01041	
Std. Deviation			0.003			0.001535	
RSD			1.283			14.74	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
LCS 2450156	1125924		0.2028	TA SOIL LINNEAR	5/10/2022 5:37:57 PM	11.39	A04
LCS 2450156	1155683		0.2070	TA SOIL LINNEAR	5/11/2022 1:44:53 PM	11.45	A04
Average			0.2049			11.42	
Std. Deviation			0.003			0.046	
RSD			1.449			0.400	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
LCSD 2450156	1122368		0.2019	TA SOIL LINNEAR	5/10/2022 5:40:54 PM	11.40	A05
LCSD 2450156	1157414		0.2080	TA SOIL LINNEAR	5/11/2022 1:47:39 PM	11.42	A05
Average			0.2050			11.41	
Std. Deviation			0.004			0.009	
RSD			2.105			0.075	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113275-E-3	40270		0.2062	TA SOIL LINNEAR	5/10/2022 5:43:07 PM	0.3747	A06
580-113275-E-3	37588		0.2021	TA SOIL LINNEAR	5/10/2022 5:45:18 PM	0.3550	A07
Average			0.2041			0.3649	
Std. Deviation			0.003			0.01392	
RSD			1.420			3.815	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113275-D-12	4735.2		0.2076	TA SOIL LINNEAR	5/10/2022 5:47:33 PM	0.02021	A08
580-113275-D-12	4916.4		0.2066	TA SOIL LINNEAR	5/10/2022 5:49:56 PM	0.02211	A09
Average			0.2071			0.02116	
Std. Deviation			0.0007			0.001344	

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Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
RSD			0.341			6.354	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113275-D-18	8886.3		0.2043	TA SOIL LINNEAR	5/10/2022 5:52:13 PM	0.06231	A10
580-113275-D-18	7714.3		0.2071	TA SOIL LINNEAR	5/10/2022 5:54:27 PM	0.04983	B01
Average			0.2057			0.05607	
Std. Deviation			0.002			0.008824	
RSD			0.963			15.74	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113275-D-19	43136		0.2075	TA SOIL LINNEAR	5/10/2022 5:56:38 PM	0.4008	B02
580-113275-D-19	39523		0.2012	TA SOIL LINNEAR	5/10/2022 5:58:36 PM	0.3764	B03
Average			0.2043			0.3886	
Std. Deviation			0.004			0.01724	
RSD			2.180			4.436	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113396-A-2	10399		0.2028	TA SOIL LINNEAR	5/10/2022 6:00:47 PM	0.07811	B04
580-113396-A-2	9860.0		0.2027	TA SOIL LINNEAR	5/10/2022 6:02:58 PM	0.07268	B05
Average			0.2027			0.07540	
Std. Deviation			0.00007			0.003840	
RSD			0.035			5.093	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113396-F-5	9636.0		0.2035	TA SOIL LINNEAR	5/10/2022 6:09:58 PM	0.07013	B08

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Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113396-F-5	9775.9		0.2085	TA SOIL LINNEAR	5/10/2022 6:11:58 PM	0.06983	B09
Average			0.2060			0.06998	
Std. Deviation			0.004			0.000214	
RSD			1.716			0.305	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113396-D-6	9397.4		0.2013	TA SOIL LINNEAR	5/10/2022 6:14:10 PM	0.06846	B10
580-113396-D-6	10467		0.2047	TA SOIL LINNEAR	5/10/2022 6:16:21 PM	0.07807	C01
Average			0.2030			0.07326	
Std. Deviation			0.002			0.006791	
RSD			1.184			9.269	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113469-A-1	29859		0.2048	TA SOIL LINNEAR	5/10/2022 6:18:32 PM	0.2727	C02
580-113469-A-1	26797		0.2073	TA SOIL LINNEAR	5/10/2022 6:20:43 PM	0.2391	C03
Average			0.2061			0.2559	
Std. Deviation			0.002			0.02380	
RSD			0.858			9.302	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113469-A-2	22868		0.2018	TA SOIL LINNEAR	5/10/2022 6:22:54 PM	0.2055	C04
580-113469-A-2	24102		0.2062	TA SOIL LINNEAR	5/10/2022 6:24:49 PM	0.2135	C05
Average			0.2040			0.2095	
Std. Deviation			0.003			0.00561	
RSD			1.525			2.676	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113469-A-4	52659		0.2075	TA SOIL LINNEAR	5/10/2022 6:27:00 PM	0.4951	C06

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Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113469-A-4	63733		0.2006	TA SOIL LINNEAR	5/10/2022 6:29:11 PM	0.6257	C07
Average			0.2041			0.5604	
Std. Deviation			0.005			0.09231	
RSD			2.391			16.47	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113469-A-5	45513		0.2074	TA SOIL LINNEAR	5/10/2022 6:31:05 PM	0.4245	C08
580-113469-A-5	43942		0.2073	TA SOIL LINNEAR	5/10/2022 6:33:16 PM	0.4091	C09
Average			0.2074			0.4168	
Std. Deviation			0.00007			0.01087	
RSD			0.034			2.609	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113469-A-6	208163		0.2036	TA SOIL LINNEAR	5/10/2022 6:35:27 PM	2.075	C10
580-113469-A-6	37893		0.2029	TA SOIL LINNEAR	5/10/2022 6:37:38 PM	0.3567	D01
Average			0.2032			1.216	
Std. Deviation			0.0005			1.2151	
RSD			0.244			99.93	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113471-A-1	253219		0.2046	TA SOIL LINNEAR	5/10/2022 6:39:49 PM	2.518	D02
580-113471-A-1	207678		0.2069	TA SOIL LINNEAR	5/10/2022 6:42:03 PM	2.037	D03
Average			0.2058			2.277	
Std. Deviation			0.002			0.3398	
RSD			0.790			14.92	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
DU 580-113471-A-1	157559		0.2032	TA SOIL LINNEAR	5/10/2022 6:44:14 PM	1.567	D04

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Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
DU 580-113471-A-1	234275		0.2051	TA SOIL LINNEAR	5/10/2022 6:46:34 PM	2.322	D05
Average			0.2041			1.944	
Std. Deviation			0.001			0.5336	
RSD			0.658			27.44	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
MS 580-113471-A-1	682181	0.1072	0.1036	TA SOIL LINNEAR	5/10/2022 6:49:17 PM	13.49	D06

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
MSD 580-113471-A-1	656325	0.1016	0.1026	TA SOIL LINNEAR	5/10/2022 6:51:55 PM	13.10	D07

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113471-A-2	35173		0.2010	TA SOIL LINNEAR	5/10/2022 6:59:28 PM	0.3322	D10
580-113471-A-2	33464		0.2055	TA SOIL LINNEAR	5/10/2022 7:01:39 PM	0.3079	E01
Average			0.2032			0.3201	
Std. Deviation			0.003			0.01723	
RSD			1.566			5.384	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113471-A-3	50660		0.2060	TA SOIL LINNEAR	5/10/2022 7:03:36 PM	0.4788	E02
580-113471-A-3	45135		0.2055	TA SOIL LINNEAR	5/10/2022 7:05:47 PM	0.4247	E03
Average			0.2058			0.4517	
Std. Deviation			0.0004			0.03827	
RSD			0.172			8.471	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113170-A-2	123721		0.2056	TA SOIL LINNEAR	5/10/2022 7:07:58 PM	1.210	E04

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Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113170-A-2	54915		0.2051	TA SOIL LINNEAR	5/10/2022 7:10:09 PM	0.5235	E05
Average			0.2054			0.8670	
Std. Deviation			0.0004			0.48569	
RSD			0.172			56.02	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113209-D-1	293100		0.2025	TA SOIL LINNEAR	5/10/2022 7:12:20 PM	2.949	E06
580-113209-D-1	283123		0.2017	TA SOIL LINNEAR	5/10/2022 7:14:31 PM	2.859	E07
Average			0.2021			2.904	
Std. Deviation			0.0006			0.0637	
RSD			0.280			2.192	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113209-D-3	98209		0.2049	TA SOIL LINNEAR	5/11/2022 1:49:50 PM	0.9585	A06
580-113209-D-3	105199		0.2033	TA SOIL LINNEAR	5/11/2022 1:52:02 PM	1.037	A07
Average			0.2041			0.9976	
Std. Deviation			0.001			0.05532	
RSD			0.554			5.545	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
DU 580-113209-D-3	167147		0.2052	TA SOIL LINNEAR	5/11/2022 1:54:13 PM	1.648	A08
DU 580-113209-D-3	127286		0.2053	TA SOIL LINNEAR	5/11/2022 1:56:25 PM	1.248	A09
Average			0.2053			1.448	
Std. Deviation			0.00007			0.2829	
RSD			0.034			19.54	

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Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
MS 580-113209-D-3	649848	0.1015	0.1035	TA SOIL LINNEAR	5/11/2022 1:58:50 PM	12.86	A10

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
MSD 580-113209-D-3	688280	0.1053	0.1026	TA SOIL LINNEAR	5/11/2022 2:01:22 PM	13.74	B01

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113209-E-4	11703		0.2081	TA SOIL LINNEAR	5/11/2022 2:03:33 PM	0.08901	B02
580-113209-E-4	5874.9		0.2060	TA SOIL LINNEAR	5/11/2022 2:05:44 PM	0.03174	B03
Average			0.2071			0.06037	
Std. Deviation			0.001			0.040494	
RSD			0.717			67.07	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113209-D-5	3619.4		0.2036	TA SOIL LINNEAR	5/11/2022 2:07:55 PM	0.009334	B04
580-113209-D-5	11717		0.2063	TA SOIL LINNEAR	5/11/2022 2:10:06 PM	0.08992	B05
Average			0.2050			0.04963	
Std. Deviation			0.002			0.056984	
RSD			0.932			114.8	

Name	Carbon Low Area	Description	Mass	Method	Analysis Date	Carbon %	Location
580-113209-E-6	17260		0.2041	TA SOIL LINNEAR	5/11/2022 2:12:17 PM	0.1467	B06
580-113209-E-6	10837		0.2049	TA SOIL LINNEAR	5/11/2022 2:14:28 PM	0.08171	B07
Average			0.2045			0.1142	
Std. Deviation			0.0006			0.04598	
RSD			0.277			40.26	

Shipping and Receiving Documents

Chain of Custody

PASI Minnesota Laboratory

Pace Analytical
www.pacelabs.com

Workorder: 10606560 **Workorder Name:** D3593500 **Results Requested By:** 5/23/2022

Report / Invoice To	Subcontract To
Kongmeng Vang Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone (612)607-1700 Email: kongmeng.vang@pacelabs.com	P.O._____ Eurofins Frontier Global Sciences 5755 8th Street East Tacoma, WA 98424

State of Sample Origin: WA

JGFU

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	350.1 Ammonia - Eurofins	SW9060A TOC - Eurofins	LAB USE ONLY
1	BNSF-L320-042922-0-2	4/29/2022 10:00	10606560001	Solid	1	X	X	
2	BNSF-I120-042922-0-6	4/29/2022 10:45	10606560002	Solid	1	X	X	
3	BNSF-BG20-042922-010	4/29/2022 11:25	10606560003	Solid	1	X	X	
4								
5								

113471

Transfers	Released By	Date/Time	Received By	Date/Time
1	[illegible] PACE	5/4/22 1010	Tom [illegible]	5/5/22 0945
2				
3				

Comments

Lvl 4 data package
Jacobs UPRR EQ EDD
Report to MDL, non-detects as ND

Cooler Temperature on Receipt °C | **Custody Seal** Y or N | **Received on Ice** Y or N | **Samples Intact** Y or N

fed Po
MedRed/wet/6wb
IR9: 1.3/1.7 w/cs

580-113471 Chain of Custody

Login Sample Receipt Checklist

Client: Pace Analytical Services, LLC

Job Number: 580-113471-1
SDG Number:

Login Number: 113471
List Number: 1
Creator: Blankinship, Tom X

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

May 20, 2022

Bernice Kidd
Jacobs Engineering
2525 Air Park Drive
Redding, CA 96001

RE: Project: D3593500
Pace Project No.: 10606561

Dear Bernice Kidd:

Enclosed are the analytical results for sample(s) received by the laboratory on May 02, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kongmeng Vang
kongmeng.vang@pacelabs.com
(612)607-1700
Project Manager

Enclosures

cc: Kris Ivarson, Jacobs
Jennifer Ulrich, Jacobs

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: D3593500
Pace Project No.: 10606561

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
A2LA Certification #: 2926.01*
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: D3593500
Pace Project No.: 10606561

Pace Analytical Services National

Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

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(612)607-1700

SAMPLE SUMMARY

Project: D3593500
Pace Project No.: 10606561

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10606561001	**EB02-042822-02**	Water	04/28/22 12:00	05/02/22 08:50

REPORT OF LABORATORY ANALYSIS

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(612)607-1700

SAMPLE ANALYTE COUNT

Project: D3593500
Pace Project No.: 10606561

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10606561001	**EB02-042822-02**	NWTPH-Dx	EB3	4	PASI-M
		EPA 6020B	PW1	9	PASI-M
		EPA 7470A	LMW	1	PASI-M
		EPA 8270E	JNJ	33	PAN
		SM 4500-S2D	SMW	1	PAN
		EPA 350.1	JFP	1	PASI-M

PAN = Pace National - Mt. Juliet
PASI-M = Pace Analytical Services - Minneapolis

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SUMMARY OF DETECTION

Project: D3593500
Pace Project No.: 10606561

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10606561001	**EB02-042822-02**					
EPA 6020B	Chromium	0.46J	ug/L	2.0	05/17/22 14:54	
EPA 6020B	Lead	0.041J	ug/L	0.50	05/17/22 14:54	
EPA 6020B	Silver	0.22J	ug/L	0.50	05/17/22 14:54	

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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: D3593500
Pace Project No.: 10606561

Sample: EB02-042822-02 **Lab ID: 10606561001** Collected: 04/28/22 12:00 Received: 05/02/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
Diesel Fuel Range	ND	mg/L	0.22	0.066	1	05/03/22 18:24	05/11/22 21:29	68334-30-5	
Motor Oil Range	ND	mg/L	0.22	0.10	1	05/03/22 18:24	05/11/22 21:29		
Surrogates									
o-Terphenyl (S)	63	%.	50-150		1	05/03/22 18:24	05/11/22 21:29	84-15-1	P1
n-Triacontane (S)	73	%.	50-150		1	05/03/22 18:24	05/11/22 21:29		
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3020A Pace Analytical Services - Minneapolis								
Arsenic	ND	ug/L	0.50	0.083	1	05/04/22 11:20	05/17/22 14:54	7440-38-2	
Cadmium	ND	ug/L	0.080	0.016	1	05/04/22 11:20	05/17/22 14:54	7440-43-9	
Chromium	**0.46J**	ug/L	2.0	0.25	1	05/04/22 11:20	05/17/22 14:54	7440-47-3	
Copper	ND	ug/L	1.0	0.50	1	05/04/22 11:20	05/17/22 14:54	7440-50-8	
Lead	**0.041J**	ug/L	0.50	0.028	1	05/04/22 11:20	05/17/22 14:54	7439-92-1	
Nickel	ND	ug/L	0.50	0.17	1	05/04/22 11:20	05/17/22 14:54	7440-02-0	
Selenium	ND	ug/L	0.50	0.067	1	05/04/22 11:20	05/17/22 14:54	7782-49-2	
Silver	**0.22J**	ug/L	0.50	0.16	1	05/04/22 11:20	05/17/22 14:54	7440-22-4	
Zinc	ND	ug/L	5.0	2.0	1	05/04/22 11:20	05/17/22 14:54	7440-66-6	
7470A Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Minneapolis								
Mercury	ND	ug/L	0.20	0.095	1	05/05/22 14:11	05/10/22 13:22	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet								
Acenaphthene	ND	ug/L	1.00	0.0886	1	05/05/22 04:53	05/05/22 15:53	83-32-9	G6
Acenaphthylene	ND	ug/L	1.00	0.0921	1	05/05/22 04:53	05/05/22 15:53	208-96-8	G6
Anthracene	ND	ug/L	1.00	0.0804	1	05/05/22 04:53	05/05/22 15:53	120-12-7	G6
Benzoic acid	ND	ug/L	50.0	1.70	1	05/05/22 04:53	05/05/22 15:53	65-85-0	G6
Benzo(a)anthracene	ND	ug/L	1.00	0.199	1	05/05/22 04:53	05/05/22 15:53	56-55-3	G6
Benzo(b)fluoranthene	ND	ug/L	1.00	0.130	1	05/05/22 04:53	05/05/22 15:53	205-99-2	G6
Benzo(k)fluoranthene	ND	ug/L	1.00	0.120	1	05/05/22 04:53	05/05/22 15:53	207-08-9	G6
Benzo(g,h,i)perylene	ND	ug/L	1.00	0.121	1	05/05/22 04:53	05/05/22 15:53	191-24-2	G6
Benzo(a)pyrene	ND	ug/L	1.00	0.0381	1	05/05/22 04:53	05/05/22 15:53	50-32-8	G6
Carbazole	ND	ug/L	10.0	0.111	1	05/05/22 04:53	05/05/22 15:53	86-74-8	G6
Chrysene	ND	ug/L	1.00	0.130	1	05/05/22 04:53	05/05/22 15:53	218-01-9	G6
Dibenz(a,h)anthracene	ND	ug/L	1.00	0.0644	1	05/05/22 04:53	05/05/22 15:53	53-70-3	G6
Dibenzofuran	ND	ug/L	10.0	0.0970	1	05/05/22 04:53	05/05/22 15:53	132-64-9	G6
Fluorene	ND	ug/L	1.00	0.0844	1	05/05/22 04:53	05/05/22 15:53	86-73-7	G6
Fluoranthene	ND	ug/L	1.00	0.102	1	05/05/22 04:53	05/05/22 15:53	206-44-0	G6
Indeno(1,2,3-cd)pyrene	ND	ug/L	1.00	0.279	1	05/05/22 04:53	05/05/22 15:53	193-39-5	G6
1-Methylnaphthalene	ND	ug/L	1.00	0.0790	1	05/05/22 04:53	05/05/22 15:53	90-12-0	G6
2-Methylnaphthalene	ND	ug/L	1.00	0.117	1	05/05/22 04:53	05/05/22 15:53	91-57-6	G6
Phenanthrene	ND	ug/L	1.00	0.112	1	05/05/22 04:53	05/05/22 15:53	85-01-8	G6
Pyrene	ND	ug/L	1.00	0.107	1	05/05/22 04:53	05/05/22 15:53	129-00-0	G6
Naphthalene	ND	ug/L	1.00	0.159	1	05/05/22 04:53	05/05/22 15:53	91-20-3	G6

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: D3593500
Pace Project No.: 10606561

Sample: EB02-042822-02 **Lab ID: 10606561001** Collected: 04/28/22 12:00 Received: 05/02/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet								
bis(2-Ethylhexyl)phthalate	ND	ug/L	3.00	0.895	1	05/05/22 04:53	05/05/22 15:53	117-81-7	G6
Di-n-butylphthalate	ND	ug/L	3.00	0.453	1	05/05/22 04:53	05/05/22 15:53	84-74-2	G6
Di-n-octylphthalate	ND	ug/L	3.00	0.932	1	05/05/22 04:53	05/05/22 15:53	117-84-0	G6
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	0.168	1	05/05/22 04:53	05/05/22 15:53		G6
Pentachlorophenol	ND	ug/L	10.0	0.313	1	05/05/22 04:53	05/05/22 15:53	87-86-5	G6
Phenol	ND	ug/L	10.0	4.33	1	05/05/22 04:53	05/05/22 15:53	108-95-2	G6
Surrogates									
2-Fluorophenol (S)	21.9	%	10.0-120		1	05/05/22 04:53	05/05/22 15:53	367-12-4	
Phenol-d5 (S)	14.4	%	10.0-120		1	05/05/22 04:53	05/05/22 15:53	4165-62-2	
Nitrobenzene-d5 (S)	49.3	%	10.0-127		1	05/05/22 04:53	05/05/22 15:53	4165-60-0	
2-Fluorobiphenyl (S)	44.4	%	10.0-130		1	05/05/22 04:53	05/05/22 15:53	321-60-8	
2,4,6-Tribromophenol (S)	47.3	%	10.0-155		1	05/05/22 04:53	05/05/22 15:53	118-79-6	
p-Terphenyl-d14 (S)	56.0	%	10.0-128		1	05/05/22 04:53	05/05/22 15:53	1718-51-0	
Wet Chemistry 4500S2 D-2011	Analytical Method: SM 4500-S2D Preparation Method: 4500S2 D-2011 Pace National - Mt. Juliet								
Sulfide	ND	ug/L	50.0	25.0	1	05/13/22 18:13	05/13/22 18:13	18496-25-8	H1
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Minneapolis								
Nitrogen, Ammonia	ND	mg/L	0.10	0.015	1		05/16/22 14:33	7664-41-7	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606561

QC Batch: 812985
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470A Mercury Water
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10606561001

METHOD BLANK: 4310706 Matrix: Water
Associated Lab Samples: 10606561001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.095	05/10/22 12:59	

LABORATORY CONTROL SAMPLE: 4310707

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4310708 4310709

Parameter	Units	10606199002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.095	5	5	5.1	5.2	102	103	80-120	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606561

QC Batch: 812961
QC Batch Method: EPA 3020A
Analysis Method: EPA 6020B
Analysis Description: 6020B Water UPD5
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10606561001

METHOD BLANK: 4310637 Matrix: Water
Associated Lab Samples: 10606561001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	ND	0.50	0.083	05/17/22 14:47	
Cadmium	ug/L	ND	0.080	0.016	05/17/22 14:47	
Chromium	ug/L	ND	2.0	0.25	05/17/22 14:47	
Copper	ug/L	ND	1.0	0.50	05/17/22 14:47	
Lead	ug/L	ND	0.50	0.028	05/17/22 14:47	
Nickel	ug/L	ND	0.50	0.17	05/17/22 14:47	
Selenium	ug/L	ND	0.50	0.067	05/17/22 14:47	
Silver	ug/L	ND	0.50	0.16	05/17/22 14:47	
Zinc	ug/L	ND	5.0	2.0	05/17/22 14:47	

LABORATORY CONTROL SAMPLE: 4310638

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	100	103	103	80-120	
Cadmium	ug/L	100	106	106	80-120	
Chromium	ug/L	100	110	110	80-120	
Copper	ug/L	100	111	111	80-120	
Lead	ug/L	100	110	110	80-120	
Nickel	ug/L	100	112	112	80-120	
Selenium	ug/L	100	106	106	80-120	
Silver	ug/L	50	52.3	105	80-120	
Zinc	ug/L	100	109	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4310639 4310640

Parameter	Units	10606561001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	100	100	102	102	102	102	75-125	0	20	
Cadmium	ug/L	ND	100	100	104	107	104	107	75-125	2	20	
Chromium	ug/L	0.46J	100	100	109	110	108	109	75-125	1	20	
Copper	ug/L	ND	100	100	109	110	109	110	75-125	1	20	
Lead	ug/L	0.041J	100	100	110	111	110	111	75-125	1	20	
Nickel	ug/L	ND	100	100	111	112	111	112	75-125	1	20	
Selenium	ug/L	ND	100	100	102	103	102	103	75-125	2	20	
Silver	ug/L	0.22J	50	50	52.1	53.0	104	106	75-125	2	20	
Zinc	ug/L	ND	100	100	111	109	109	107	75-125	1	20	

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(612)607-1700

QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606561

QC Batch: 1858057
QC Batch Method: 3510C
Analysis Method: EPA 8270E
Analysis Description: SVOA (GC/MS) 8270E
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 10606561001

METHOD BLANK: R3788956-2 Matrix: Water
Associated Lab Samples: 10606561001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.00	0.0886	05/05/22 12:22	
Acenaphthylene	ug/L	ND	1.00	0.0921	05/05/22 12:22	
Anthracene	ug/L	ND	1.00	0.0804	05/05/22 12:22	
Benzoic acid	ug/L	ND	50.0	1.70	05/05/22 12:22	
Benzo(a)anthracene	ug/L	ND	1.00	0.199	05/05/22 12:22	
Benzo(b)fluoranthene	ug/L	ND	1.00	0.130	05/05/22 12:22	
Benzo(k)fluoranthene	ug/L	ND	1.00	0.120	05/05/22 12:22	
Benzo(g,h,i)perylene	ug/L	ND	1.00	0.121	05/05/22 12:22	
Benzo(a)pyrene	ug/L	ND	1.00	0.0381	05/05/22 12:22	
Carbazole	ug/L	ND	10.0	0.111	05/05/22 12:22	
Chrysene	ug/L	ND	1.00	0.130	05/05/22 12:22	
Dibenz(a,h)anthracene	ug/L	ND	1.00	0.0644	05/05/22 12:22	
Dibenzofuran	ug/L	ND	10.0	0.0970	05/05/22 12:22	
Fluorene	ug/L	ND	1.00	0.0844	05/05/22 12:22	
Fluoranthene	ug/L	ND	1.00	0.102	05/05/22 12:22	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1.00	0.279	05/05/22 12:22	
1-Methylnaphthalene	ug/L	ND	1.00	0.0790	05/05/22 12:22	
2-Methylnaphthalene	ug/L	ND	1.00	0.117	05/05/22 12:22	
Phenanthrene	ug/L	ND	1.00	0.112	05/05/22 12:22	
Pyrene	ug/L	ND	1.00	0.107	05/05/22 12:22	
Naphthalene	ug/L	ND	1.00	0.159	05/05/22 12:22	
bis(2-Ethylhexyl)phthalate	ug/L	ND	3.00	0.895	05/05/22 12:22	
Di-n-butylphthalate	ug/L	ND	3.00	0.453	05/05/22 12:22	
Di-n-octylphthalate	ug/L	ND	3.00	0.932	05/05/22 12:22	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	0.168	05/05/22 12:22	
Pentachlorophenol	ug/L	ND	10.0	0.313	05/05/22 12:22	
Phenol	ug/L	ND	10.0	4.33	05/05/22 12:22	
2-Fluorophenol (S)	%	24.2	10.0-120		05/05/22 12:22	
Phenol-d5 (S)	%	16.6	10.0-120		05/05/22 12:22	
Nitrobenzene-d5 (S)	%	63.6	10.0-127		05/05/22 12:22	
2-Fluorobiphenyl (S)	%	55.6	10.0-130		05/05/22 12:22	
2,4,6-Tribromophenol (S)	%	50	10.0-155		05/05/22 12:22	
p-Terphenyl-d14 (S)	%	58.9	10.0-128		05/05/22 12:22	

LABORATORY CONTROL SAMPLE: R3788956-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	50.0	29.0	58.0	41.0-120	
Acenaphthylene	ug/L	50.0	31.1	62.2	43.0-120	

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QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606561

LABORATORY CONTROL SAMPLE: R3788956-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	ug/L	50.0	30.3	60.6	45.0-120	
Benzoic acid	ug/L	100	10.8	10.8	10.0-120	
Benzo(a)anthracene	ug/L	50.0	33.2	66.4	47.0-120	
Benzo(b)fluoranthene	ug/L	50.0	33.0	66.0	46.0-120	
Benzo(k)fluoranthene	ug/L	50.0	34.2	68.4	46.0-120	
Benzo(g,h,i)perylene	ug/L	50.0	32.8	65.6	48.0-121	
Benzo(a)pyrene	ug/L	50.0	33.7	67.4	47.0-120	
Carbazole	ug/L	50.0	31.4	62.8	51.0-122	
Chrysene	ug/L	50.0	32.9	65.8	48.0-120	
Dibenz(a,h)anthracene	ug/L	50.0	32.4	64.8	47.0-120	
Dibenzofuran	ug/L	50.0	30.7	61.4	44.0-120	
Fluorene	ug/L	50.0	30.9	61.8	47.0-120	
Fluoranthene	ug/L	50.0	32.8	65.6	51.0-120	
Indeno(1,2,3-cd)pyrene	ug/L	50.0	31.1	62.2	49.0-122	
1-Methylnaphthalene	ug/L	50.0	26.4	52.8	33.0-120	
2-Methylnaphthalene	ug/L	50.0	25.6	51.2	33.0-120	
Phenanthrene	ug/L	50.0	30.0	60.0	46.0-120	
Pyrene	ug/L	50.0	30.8	61.6	47.0-120	
Naphthalene	ug/L	50.0	25.1	50.2	27.0-120	
bis(2-Ethylhexyl)phthalate	ug/L	50.0	29.2	58.4	43.0-122	
Di-n-butylphthalate	ug/L	50.0	30.5	61.0	49.0-121	
Di-n-octylphthalate	ug/L	50.0	29.4	58.8	42.0-125	
3&4-Methylphenol(m&p Cresol)	ug/L	50.0	22.8	45.6	31.0-120	
Pentachlorophenol	ug/L	50.0	35.2	70.4	23.0-120	
Phenol	ug/L	50.0	9.32	18.6	10.0-120	
2-Fluorophenol (S)	%			26.3	10.0-120	
Phenol-d5 (S)	%			16.4	10.0-120	
Nitrobenzene-d5 (S)	%			53.1	10.0-127	
2-Fluorobiphenyl (S)	%			51.6	10.0-130	
2,4,6-Tribromophenol (S)	%			60.5	10.0-155	
p-Terphenyl-d14 (S)	%			54.4	10.0-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3789362-1 R3789362-2

Parameter	Units	L1488145-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	50.0	50.0	45.6	47.3	91.2	94.6	28.0-120	3.66	25	
Acenaphthylene	ug/L	ND	50.0	50.0	48.1	49.2	96.2	98.4	31.0-121	2.26	25	
Anthracene	ug/L	ND	50.0	50.0	46.7	47.9	93.4	95.8	36.0-120	2.54	23	
Benzoic acid	ug/L	90.8	100	100	146	140	55.2	49.2	10.0-120	4.20	40	
Benzo(a)anthracene	ug/L	ND	50.0	50.0	44.8	46.9	89.6	93.8	39.0-120	4.58	23	
Benzo(b)fluoranthene	ug/L	ND	50.0	50.0	43.1	45.0	86.2	90.0	37.0-120	4.31	23	
Benzo(k)fluoranthene	ug/L	ND	50.0	50.0	45.4	47.9	90.8	95.8	37.0-120	5.36	26	
Benzo(g,h,i)perylene	ug/L	ND	50.0	50.0	40.1	40.5	80.2	81.0	37.0-123	0.993	25	
Benzo(a)pyrene	ug/L	ND	50.0	50.0	46.6	49.4	93.2	98.8	37.0-120	5.83	24	

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QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606561

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		R3789362-1			R3789362-2							
Parameter	Units	L1488145-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Carbazole	ug/L	ND	50.0	50.0	45.2	46.8	90.4	93.6	38.0-127	3.48	21	
Chrysene	ug/L	ND	50.0	50.0	43.1	44.7	86.2	89.4	38.0-120	3.64	23	
Dibenz(a,h)anthracene	ug/L	ND	50.0	50.0	31.4	35.0	62.8	70.0	36.0-121	10.8	24	
Dibenzofuran	ug/L	ND	50.0	50.0	47.4	48.9	94.8	97.8	32.0-120	3.12	26	
Fluorene	ug/L	ND	50.0	50.0	44.3	47.2	88.6	94.4	37.0-120	6.34	24	
Fluoranthene	ug/L	ND	50.0	50.0	48.6	49.6	97.2	99.2	41.0-121	2.04	22	
Indeno(1,2,3-cd)pyrene	ug/L	ND	50.0	50.0	40.7	40.8	81.4	81.6	38.0-125	0.245	24	
1-Methylnaphthalene	ug/L	ND	50.0	50.0	45.4	47.2	90.8	94.4	11.0-120	3.89	27	
2-Methylnaphthalene	ug/L	ND	50.0	50.0	44.1	44.3	88.2	88.6	17.0-120	0.452	28	
Phenanthrene	ug/L	ND	50.0	50.0	47.1	50.3	94.2	101	33.0-120	6.57	22	
Pyrene	ug/L	ND	50.0	50.0	51.1	53.8	102	108	39.0-120	5.15	22	
Naphthalene	ug/L	ND	50.0	50.0	44.4	46.0	88.8	92.0	10.0-120	3.54	31	
bis(2-Ethylhexyl)phthalate	ug/L	ND	50.0	50.0	ND	ND	0.00	0.00	33.0-126	0.00	25	ML
Di-n-butylphthalate	ug/L	ND	50.0	50.0	48.9	51.6	97.8	103	35.0-128	5.37	23	
Di-n-octylphthalate	ug/L	ND	50.0	50.0	75.6	76.8	151	154	25.0-135	1.57	26	MH
3&4-Methylphenol(m&p Cresol)	ug/L	165	50.0	50.0	205	199	80.0	68.0	10.0-120	2.97	36	
Pentachlorophenol	ug/L	ND	50.0	50.0	53.9	55.8	108	112	10.0-128	3.46	37	
Phenol	ug/L	1870	50.0	50.0	2010	1940	280	140	10.0-120	3.54	40	P6
2-Fluorophenol (S)	%						37.2	36.1	10.0-120			S4
Phenol-d5 (S)	%						26.1	28.6	10.0-120			S4
Nitrobenzene-d5 (S)	%						56.2	56.4	10.0-127			S4
2-Fluorobiphenyl (S)	%						80.5	88.9	10.0-130			S4
2,4,6-Tribromophenol (S)	%						92.5	86.5	10.0-155			S4
p-Terphenyl-d14 (S)	%						96.0	102	10.0-128			S4

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QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606561

QC Batch: 812885
QC Batch Method: EPA Mod. 3510C
Analysis Method: NWTPH-Dx
Analysis Description: NWTPH-Dx GCS LV
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10606561001

METHOD BLANK: 4310138 Matrix: Water
Associated Lab Samples: 10606561001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Diesel Fuel Range	mg/L	ND	0.40	0.12	05/11/22 20:55	
Motor Oil Range	mg/L	ND	0.40	0.18	05/11/22 20:55	
n-Triacontane (S)	%.	64	50-150		05/11/22 20:55	
o-Terphenyl (S)	%.	79	50-150		05/11/22 20:55	

LABORATORY CONTROL SAMPLE & LCSD: 4310139 4310140

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Fuel Range	mg/L	2	1.4	1.7	70	83	50-150	17	20	
Motor Oil Range	mg/L	2	1.5	1.8	77	90	50-150	15	20	
n-Triacontane (S)	%.				65	74	50-150			
o-Terphenyl (S)	%.				79	89	50-150			

SAMPLE DUPLICATE: 4310141

Parameter	Units	10606561001 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range	mg/L	ND	ND		30	
Motor Oil Range	mg/L	ND	ND		30	
n-Triacontane (S)	%.	73	67			
o-Terphenyl (S)	%.	63	62			P1

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QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606561

QC Batch: 1862545
QC Batch Method: 4500S2 D-2011
Analysis Method: SM 4500-S2D
Analysis Description: Wet Chemistry 4500S2 D-2011
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10606561001

METHOD BLANK: R3791750-1 Matrix: Water
Associated Lab Samples: 10606561001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	ug/L	ND	50.0	25.0	05/13/22 17:58	

LABORATORY CONTROL SAMPLE: R3791750-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	ug/L	500	555	111	85.0-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3791750-4 R3791750-5

Parameter	Units	L1488096-07 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	ug/L	ND	500	500	556	558	111	112	80.0-120	0.359	20	

SAMPLE DUPLICATE: R3791750-3

Parameter	Units	L1488096-01 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide	ug/L	ND	ND	0.00	20	

SAMPLE DUPLICATE: R3791750-6

Parameter	Units	L1488730-05 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide	ug/L	ND	ND	0.00	20	

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QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606561

QC Batch: 1862545
QC Batch Method: 4500 S2 D-2011/4500S2 D-2011
Analysis Method: SM 4500-S2D
Analysis Description: Wet Chemistry 4500S2 D-2011
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10606561001

METHOD BLANK: R3791750-1 Matrix: Water
Associated Lab Samples: 10606561001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	ug/L	ND	50.0	25.0	05/13/22 17:58	

LABORATORY CONTROL SAMPLE: R3791750-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	ug/L	500	555	111	85.0-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3791750-4 R3791750-5

Parameter	Units	L1488096-07 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	ug/L	ND	500	500	556	558	111	112	80.0-120	0.359	20	

SAMPLE DUPLICATE: R3791750-3

Parameter	Units	L1488096-01 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide	ug/L	ND	ND	0.00	20	

SAMPLE DUPLICATE: R3791750-6

Parameter	Units	L1488730-05 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide	ug/L	ND	ND	0.00	20	

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QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606561

QC Batch: 815530
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10606561001

METHOD BLANK: 4323119 Matrix: Water
Associated Lab Samples: 10606561001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	0.015	05/16/22 14:29	

LABORATORY CONTROL SAMPLE: 4323120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2.5	2.5	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4323121 4323122

Parameter	Units	10607680002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	ND	2.5	2.5	2.5	2.5	102	99	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4323123 4323124

Parameter	Units	10607541001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	ND	2.5	2.5	2.4	2.4	98	98	90-110	0	20	

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QUALIFIERS

Project: D3593500
Pace Project No.: 10606561

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 10606561001
[1] Wet Chemistry by Method 4500S2 D-2011 - Ran out of hold due to supply chain issues.

Sample: L1488096-01
[1] Wet Chemistry by Method 4500S2 D-2011 - Ran out of hold due to supply chain issues.

Sample: L1488096-07
[1] Wet Chemistry by Method 4500S2 D-2011 - Ran out of hold due to supply chain issues.

Sample: L1488145-02
[1] Semi Volatile Organic Compounds (GC/MS) by Method 8270E - Dilution due to matrix impact.

Sample: L1488730-05
[1] Wet Chemistry by Method 4500S2 D-2011 - Ran out of hold due to supply chain issues.

ANALYTE QUALIFIERS

G6	An aliquot for analysis was taken from the original container received due to volume requirements of the laboratory's procedure. Rinsing of the original sample container for inclusion in the sample extraction was not performed.
H1	Analysis conducted outside the recognized method holding time.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: D3593500
Pace Project No.: 10606561

ANALYTE QUALIFIERS

P1	Routine initial sample volume or weight was not used for extraction, resulting in elevated reporting limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: D3593500
Pace Project No.: 10606561

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10606561001	**EB02-042822-02**	EPA Mod. 3510C	812885	NWTPH-Dx	814390
10606561001	**EB02-042822-02**	EPA 3020A	812961	EPA 6020B	813290
10606561001	**EB02-042822-02**	EPA 7470A	812985	EPA 7470A	814217
10606561001	**EB02-042822-02**	3510C	1858057	EPA 8270E	1858057
10606561001	**EB02-042822-02**	4500S2 D-2011	1862545	SM 4500-S2D	1862545
10606561001	**EB02-042822-02**	EPA 350.1	815530		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Work

WO# : 10606561

10606561

ALL SHAD

Company: JACOBS	Billing Information: SEE CONTRACT
Address: 2020 SW 4th Ave, PDX, 97201 SUITE 300	
Report To: KRIS IVARSON	Email To: BERNICE.KIDD@JACOBS.COM KRIS.IVARSON@JACOBS.COM
Copy To: BERNEY KIDD	Site Collection Info/Address: WISHRAM BNSF
Customer Project Name/Number: D3593500	State: WA County/City: KLICKITAT Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): J. WRIGHT	Purchase Order #: Quote #: SEE CONTRACT DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: STNDRD Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Container Preservative Type: 2 | H/S | 1 | U | U | U | 3

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Ammonia	Sulfide	Metals	SVOCs / PAHs SW8270	Dioxins/Furans EPA 1613B / EPA 1668	PCBs; Congener Low Vol	NWTPH-Dx	Analyses	Analyses	Analyses
EB02-042822-02	W	G	4/28/22	1200	—			11	1	1	1	2	2	2	2			

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips:			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

VL 1

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2743812

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: (Y) N NA
Therm ID#: 1
Cooler 1 Temp Upon Receipt: _____oC
Cooler 1 Therm Corr. Factor: _____oC
Cooler 1 Corrected Temp: _____oC
Comments: 10.2

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page 21 of _____

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Caleb Torgerson/Jacobs	4/29/22, 1530	/PACE	5.2.22 8:50
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

	DC#_Title: ENV-FRM-MIN4-0149 v03_Sample Condition Upon Receipt (SCUR) - ESI
Pace ANALYTICAL SERVICES	Effective Date: 04/12/2022

Sample Condition Upon Receipt – ESI Tech Specs

Client Name: Jacobs

Project # WO#: 10606561 PM: AR4 Due Date: 05/16/22 CLIENT: 11 Jacobs

Courier: ☑Fed Ex ☐UPS ☐USPS ☐Client ☐Pace ☐SpeeDee ☐Commercial

Tracking Number: 272601041935 See Exceptions ☐ ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present? ☑Yes ☐No **Seals Intact?** ☑Yes ☐No **Biological Tissue Frozen?** ☐Yes ☐No ☑N/A

Packing Material: ☐Bubble Wrap ☑Bubble Bags ☐None ☐Other: _____ **Temp Blank?** ☑Yes ☐No

Thermometer: ☑T1(0461) ☐T2(1336) ☐T3(0459) ☐T4(0254) ☐T5(0489) ☐T6(0235) ☐T7(0042) **Type of Ice:** ☑Wet ☐Blue ☐None ☐Dry ☑Melted

Temp should be above freezing to 6°C **Cooler Temp Read w/temp blank:** 10.2 °C **Average Corrected Temp (no temp blank only):** _____ °C ☐See Exceptions ENV-FRM-MIN4-0142 ☐1 Container

Correction Factor: True **Cooler Temp Corrected w/temp blank:** 10.2 °C

USDA Regulated Soil: (☐N/A, water sample/Other: _____) **Date/Initials of Person Examining Contents:** ED 5.2.22

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐Yes ☐No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐Yes ☐No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present and Filled Out?	☑Yes	☐No		1.
Chain of Custody Relinquished?	☑Yes	☐No		2.
Sampler Name and/or Signature on COC?	☑Yes	☐No	☐N/A	3.
Samples Arrived within Hold Time?	☑Yes	☐No		4.
Short Hold Time Analysis (<72 hr)?	☐Yes	☑No		5. ☐Fecal Coliform ☐HPC ☐Total Coliform/E coli ☐BOD/cBOD ☐Hex Chrome ☐Turbidity ☐Nitrate ☐Nitrite ☐Orthophos ☐Other_____
Rush Turn Around Time Requested?	☐Yes	☑No		6.
Sufficient Sample Volume?	☑Yes	☐No		7.
Triple Volume Provided for MS/MSD (if more than 10 samples)?	☐Yes	☐No	☑N/A	
Correct Containers Used?	☑Yes	☐No		8. 6 AGIU, 2 AG2H, 1 BP3S, 1 BP3N, 1 BP2Z
-Pace Containers Used?	☑Yes	☐No		
Containers Intact?	☑Yes	☐No		9.
Field Filtered Volume Received for Dissolved Tests?	☐Yes	☐No	☑N/A	10. Is sediment visible in the dissolved container? ☐Yes ☐No
Is sufficient information available to reconcile the samples to the COC?	☑Yes	☐No		11. If no, write ID/ Date/Time on Container Below: See Exception ☐ ENV-FRM-MIN4-0142
Matrix: ☑Water ☐Soil ☐Oil ☐Other_____				
All containers needing acid/base preservation have been checked?	☑Yes	☐No	☐N/A	12. Sample # 001
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☑Yes	☐No	☐N/A	☐NaOH ☑HNO_3 1/1 ☑H_2SO_4 1/1 ☑Zinc Acetate 1/1
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS *If adding preservative to a container it must be added to associated field and equipment blanks (verify with PM first)	☑Yes	☐No	☐N/A	Positive for Res. Chlorine? ☐Yes ☐No pH Paper Lot# See Exception ☐ ENV-FRM-MIN4-0142
				Res. Chlorine: 0-6 Roll 212521; 0-6 Strip: ; 0-14 Strip 10D2811
Extra labels present on soil VOA or WIDRO containers?	☐Yes	☐No	☑N/A	13. See Exception ☐ ENV-FRM-MIN4-0140
Headspace in VOA Vials (greater than 6mm)?	☐Yes	☐No	☑N/A	
3 Trip Blanks Present?	☐Yes	☐No	☑N/A	14.
Trip Blank Custody Seals Present?	☐Yes	☐No	☑N/A	Pace Trip Blank Lot # (if purchased): _____

Temp Log: Temp must be maintained at <6°C during login, record temp every 20 mins				CLIENT NOTIFICATION/RESOLUTION	Field Data Required? ☐Yes ☐No
Opened Time: 9:50	Temp: 10.2	Corrected Temp: 10.2		Person Contacted:	Date/Time:
Time: 10:10	put in cooler			Comments/Resolution:	
Time:	Temp:	Corrected Temp:			

Project Manager Review: _____ **Date:** 5/2/22

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers)

Labeled by: ED 2

Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 10606561

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

May 20, 2022

Bernice Kidd
Jacobs Engineering
2525 Air Park Drive
Redding, CA 96001

RE: Project: D3593500
Pace Project No.: 10606561

Dear Bernice Kidd:

Enclosed are the analytical results for sample(s) received by the laboratory on May 02, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kongmeng Vang
kongmeng.vang@pacelabs.com
(612)607-1700
Project Manager

Enclosures

cc: Kris Ivarson, Jacobs
Jennifer Ulrich, Jacobs

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CERTIFICATIONS

Project: D3593500
Pace Project No.: 10606561

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
A2LA Certification #: 2926.01*
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: D3593500
Pace Project No.: 10606561

Pace Analytical Services National

Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

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SAMPLE SUMMARY

Project: D3593500
Pace Project No.: 10606561

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10606561001	**EB02-042822-02**	Water	04/28/22 12:00	05/02/22 08:50

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: D3593500
Pace Project No.: 10606561

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10606561001	**EB02-042822-02**	NWTPH-Dx	EB3	4	PASI-M
		EPA 6020B	PW1	9	PASI-M
		EPA 7470A	LMW	1	PASI-M
		EPA 8270E	JNJ	33	PAN
		SM 4500-S2D	SMW	1	PAN
		EPA 350.1	JFP	1	PASI-M

PAN = Pace National - Mt. Juliet
PASI-M = Pace Analytical Services - Minneapolis

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SUMMARY OF DETECTION

Project: D3593500
Pace Project No.: 10606561

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10606561001	**EB02-042822-02**					
EPA 6020B	Chromium	0.46J	ug/L	2.0	05/17/22 14:54	
EPA 6020B	Lead	0.041J	ug/L	0.50	05/17/22 14:54	
EPA 6020B	Silver	0.22J	ug/L	0.50	05/17/22 14:54	

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(612)607-1700

ANALYTICAL RESULTS

Project: D3593500
Pace Project No.: 10606561

Sample: EB02-042822-02 **Lab ID: 10606561001** Collected: 04/28/22 12:00 Received: 05/02/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
Diesel Fuel Range	ND	mg/L	0.22	0.066	1	05/03/22 18:24	05/11/22 21:29	68334-30-5	
Motor Oil Range	ND	mg/L	0.22	0.10	1	05/03/22 18:24	05/11/22 21:29		
Surrogates									
o-Terphenyl (S)	63	%.	50-150		1	05/03/22 18:24	05/11/22 21:29	84-15-1	P1
n-Triacontane (S)	73	%.	50-150		1	05/03/22 18:24	05/11/22 21:29		
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3020A Pace Analytical Services - Minneapolis								
Arsenic	ND	ug/L	0.50	0.083	1	05/04/22 11:20	05/17/22 14:54	7440-38-2	
Cadmium	ND	ug/L	0.080	0.016	1	05/04/22 11:20	05/17/22 14:54	7440-43-9	
Chromium	**0.46J**	ug/L	2.0	0.25	1	05/04/22 11:20	05/17/22 14:54	7440-47-3	
Copper	ND	ug/L	1.0	0.50	1	05/04/22 11:20	05/17/22 14:54	7440-50-8	
Lead	**0.041J**	ug/L	0.50	0.028	1	05/04/22 11:20	05/17/22 14:54	7439-92-1	
Nickel	ND	ug/L	0.50	0.17	1	05/04/22 11:20	05/17/22 14:54	7440-02-0	
Selenium	ND	ug/L	0.50	0.067	1	05/04/22 11:20	05/17/22 14:54	7782-49-2	
Silver	**0.22J**	ug/L	0.50	0.16	1	05/04/22 11:20	05/17/22 14:54	7440-22-4	
Zinc	ND	ug/L	5.0	2.0	1	05/04/22 11:20	05/17/22 14:54	7440-66-6	
7470A Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Minneapolis								
Mercury	ND	ug/L	0.20	0.095	1	05/05/22 14:11	05/10/22 13:22	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet								
Acenaphthene	ND	ug/L	1.00	0.0886	1	05/05/22 04:53	05/05/22 15:53	83-32-9	G6
Acenaphthylene	ND	ug/L	1.00	0.0921	1	05/05/22 04:53	05/05/22 15:53	208-96-8	G6
Anthracene	ND	ug/L	1.00	0.0804	1	05/05/22 04:53	05/05/22 15:53	120-12-7	G6
Benzoic acid	ND	ug/L	50.0	1.70	1	05/05/22 04:53	05/05/22 15:53	65-85-0	G6
Benzo(a)anthracene	ND	ug/L	1.00	0.199	1	05/05/22 04:53	05/05/22 15:53	56-55-3	G6
Benzo(b)fluoranthene	ND	ug/L	1.00	0.130	1	05/05/22 04:53	05/05/22 15:53	205-99-2	G6
Benzo(k)fluoranthene	ND	ug/L	1.00	0.120	1	05/05/22 04:53	05/05/22 15:53	207-08-9	G6
Benzo(g,h,i)perylene	ND	ug/L	1.00	0.121	1	05/05/22 04:53	05/05/22 15:53	191-24-2	G6
Benzo(a)pyrene	ND	ug/L	1.00	0.0381	1	05/05/22 04:53	05/05/22 15:53	50-32-8	G6
Carbazole	ND	ug/L	10.0	0.111	1	05/05/22 04:53	05/05/22 15:53	86-74-8	G6
Chrysene	ND	ug/L	1.00	0.130	1	05/05/22 04:53	05/05/22 15:53	218-01-9	G6
Dibenz(a,h)anthracene	ND	ug/L	1.00	0.0644	1	05/05/22 04:53	05/05/22 15:53	53-70-3	G6
Dibenzofuran	ND	ug/L	10.0	0.0970	1	05/05/22 04:53	05/05/22 15:53	132-64-9	G6
Fluorene	ND	ug/L	1.00	0.0844	1	05/05/22 04:53	05/05/22 15:53	86-73-7	G6
Fluoranthene	ND	ug/L	1.00	0.102	1	05/05/22 04:53	05/05/22 15:53	206-44-0	G6
Indeno(1,2,3-cd)pyrene	ND	ug/L	1.00	0.279	1	05/05/22 04:53	05/05/22 15:53	193-39-5	G6
1-Methylnaphthalene	ND	ug/L	1.00	0.0790	1	05/05/22 04:53	05/05/22 15:53	90-12-0	G6
2-Methylnaphthalene	ND	ug/L	1.00	0.117	1	05/05/22 04:53	05/05/22 15:53	91-57-6	G6
Phenanthrene	ND	ug/L	1.00	0.112	1	05/05/22 04:53	05/05/22 15:53	85-01-8	G6
Pyrene	ND	ug/L	1.00	0.107	1	05/05/22 04:53	05/05/22 15:53	129-00-0	G6
Naphthalene	ND	ug/L	1.00	0.159	1	05/05/22 04:53	05/05/22 15:53	91-20-3	G6

REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: D3593500
Pace Project No.: 10606561

Sample: EB02-042822-02 **Lab ID: 10606561001** Collected: 04/28/22 12:00 Received: 05/02/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet								
bis(2-Ethylhexyl)phthalate	ND	ug/L	3.00	0.895	1	05/05/22 04:53	05/05/22 15:53	117-81-7	G6
Di-n-butylphthalate	ND	ug/L	3.00	0.453	1	05/05/22 04:53	05/05/22 15:53	84-74-2	G6
Di-n-octylphthalate	ND	ug/L	3.00	0.932	1	05/05/22 04:53	05/05/22 15:53	117-84-0	G6
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	0.168	1	05/05/22 04:53	05/05/22 15:53		G6
Pentachlorophenol	ND	ug/L	10.0	0.313	1	05/05/22 04:53	05/05/22 15:53	87-86-5	G6
Phenol	ND	ug/L	10.0	4.33	1	05/05/22 04:53	05/05/22 15:53	108-95-2	G6
Surrogates									
2-Fluorophenol (S)	21.9	%	10.0-120		1	05/05/22 04:53	05/05/22 15:53	367-12-4	
Phenol-d5 (S)	14.4	%	10.0-120		1	05/05/22 04:53	05/05/22 15:53	4165-62-2	
Nitrobenzene-d5 (S)	49.3	%	10.0-127		1	05/05/22 04:53	05/05/22 15:53	4165-60-0	
2-Fluorobiphenyl (S)	44.4	%	10.0-130		1	05/05/22 04:53	05/05/22 15:53	321-60-8	
2,4,6-Tribromophenol (S)	47.3	%	10.0-155		1	05/05/22 04:53	05/05/22 15:53	118-79-6	
p-Terphenyl-d14 (S)	56.0	%	10.0-128		1	05/05/22 04:53	05/05/22 15:53	1718-51-0	
Wet Chemistry 4500S2 D-2011	Analytical Method: SM 4500-S2D Preparation Method: 4500S2 D-2011 Pace National - Mt. Juliet								
Sulfide	ND	ug/L	50.0	25.0	1	05/13/22 18:13	05/13/22 18:13	18496-25-8	H1
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Minneapolis								
Nitrogen, Ammonia	ND	mg/L	0.10	0.015	1		05/16/22 14:33	7664-41-7	

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QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606561

QC Batch: 812985
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470A Mercury Water
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10606561001

METHOD BLANK: 4310706 Matrix: Water
Associated Lab Samples: 10606561001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.095	05/10/22 12:59	

LABORATORY CONTROL SAMPLE: 4310707

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4310708 4310709

Parameter	Units	10606199002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.095	5	5	5.1	5.2	102	103	80-120	1	20	

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QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606561

QC Batch: 812961
QC Batch Method: EPA 3020A
Analysis Method: EPA 6020B
Analysis Description: 6020B Water UPD5
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10606561001

METHOD BLANK: 4310637 Matrix: Water
Associated Lab Samples: 10606561001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	ND	0.50	0.083	05/17/22 14:47	
Cadmium	ug/L	ND	0.080	0.016	05/17/22 14:47	
Chromium	ug/L	ND	2.0	0.25	05/17/22 14:47	
Copper	ug/L	ND	1.0	0.50	05/17/22 14:47	
Lead	ug/L	ND	0.50	0.028	05/17/22 14:47	
Nickel	ug/L	ND	0.50	0.17	05/17/22 14:47	
Selenium	ug/L	ND	0.50	0.067	05/17/22 14:47	
Silver	ug/L	ND	0.50	0.16	05/17/22 14:47	
Zinc	ug/L	ND	5.0	2.0	05/17/22 14:47	

LABORATORY CONTROL SAMPLE: 4310638

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	100	103	103	80-120	
Cadmium	ug/L	100	106	106	80-120	
Chromium	ug/L	100	110	110	80-120	
Copper	ug/L	100	111	111	80-120	
Lead	ug/L	100	110	110	80-120	
Nickel	ug/L	100	112	112	80-120	
Selenium	ug/L	100	106	106	80-120	
Silver	ug/L	50	52.3	105	80-120	
Zinc	ug/L	100	109	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4310639 4310640

Parameter	Units	10606561001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	100	100	102	102	102	102	75-125	0	20	
Cadmium	ug/L	ND	100	100	104	107	104	107	75-125	2	20	
Chromium	ug/L	0.46J	100	100	109	110	108	109	75-125	1	20	
Copper	ug/L	ND	100	100	109	110	109	110	75-125	1	20	
Lead	ug/L	0.041J	100	100	110	111	110	111	75-125	1	20	
Nickel	ug/L	ND	100	100	111	112	111	112	75-125	1	20	
Selenium	ug/L	ND	100	100	102	103	102	103	75-125	2	20	
Silver	ug/L	0.22J	50	50	52.1	53.0	104	106	75-125	2	20	
Zinc	ug/L	ND	100	100	111	109	109	107	75-125	1	20	

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QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606561

QC Batch: 1858057
QC Batch Method: 3510C
Analysis Method: EPA 8270E
Analysis Description: SVOA (GC/MS) 8270E
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 10606561001

METHOD BLANK: R3788956-2 Matrix: Water
Associated Lab Samples: 10606561001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.00	0.0886	05/05/22 12:22	
Acenaphthylene	ug/L	ND	1.00	0.0921	05/05/22 12:22	
Anthracene	ug/L	ND	1.00	0.0804	05/05/22 12:22	
Benzoic acid	ug/L	ND	50.0	1.70	05/05/22 12:22	
Benzo(a)anthracene	ug/L	ND	1.00	0.199	05/05/22 12:22	
Benzo(b)fluoranthene	ug/L	ND	1.00	0.130	05/05/22 12:22	
Benzo(k)fluoranthene	ug/L	ND	1.00	0.120	05/05/22 12:22	
Benzo(g,h,i)perylene	ug/L	ND	1.00	0.121	05/05/22 12:22	
Benzo(a)pyrene	ug/L	ND	1.00	0.0381	05/05/22 12:22	
Carbazole	ug/L	ND	10.0	0.111	05/05/22 12:22	
Chrysene	ug/L	ND	1.00	0.130	05/05/22 12:22	
Dibenz(a,h)anthracene	ug/L	ND	1.00	0.0644	05/05/22 12:22	
Dibenzofuran	ug/L	ND	10.0	0.0970	05/05/22 12:22	
Fluorene	ug/L	ND	1.00	0.0844	05/05/22 12:22	
Fluoranthene	ug/L	ND	1.00	0.102	05/05/22 12:22	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1.00	0.279	05/05/22 12:22	
1-Methylnaphthalene	ug/L	ND	1.00	0.0790	05/05/22 12:22	
2-Methylnaphthalene	ug/L	ND	1.00	0.117	05/05/22 12:22	
Phenanthrene	ug/L	ND	1.00	0.112	05/05/22 12:22	
Pyrene	ug/L	ND	1.00	0.107	05/05/22 12:22	
Naphthalene	ug/L	ND	1.00	0.159	05/05/22 12:22	
bis(2-Ethylhexyl)phthalate	ug/L	ND	3.00	0.895	05/05/22 12:22	
Di-n-butylphthalate	ug/L	ND	3.00	0.453	05/05/22 12:22	
Di-n-octylphthalate	ug/L	ND	3.00	0.932	05/05/22 12:22	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	0.168	05/05/22 12:22	
Pentachlorophenol	ug/L	ND	10.0	0.313	05/05/22 12:22	
Phenol	ug/L	ND	10.0	4.33	05/05/22 12:22	
2-Fluorophenol (S)	%	24.2	10.0-120		05/05/22 12:22	
Phenol-d5 (S)	%	16.6	10.0-120		05/05/22 12:22	
Nitrobenzene-d5 (S)	%	63.6	10.0-127		05/05/22 12:22	
2-Fluorobiphenyl (S)	%	55.6	10.0-130		05/05/22 12:22	
2,4,6-Tribromophenol (S)	%	50	10.0-155		05/05/22 12:22	
p-Terphenyl-d14 (S)	%	58.9	10.0-128		05/05/22 12:22	

LABORATORY CONTROL SAMPLE: R3788956-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	50.0	29.0	58.0	41.0-120	
Acenaphthylene	ug/L	50.0	31.1	62.2	43.0-120	

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(612)607-1700

QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606561

LABORATORY CONTROL SAMPLE: R3788956-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	ug/L	50.0	30.3	60.6	45.0-120	
Benzoic acid	ug/L	100	10.8	10.8	10.0-120	
Benzo(a)anthracene	ug/L	50.0	33.2	66.4	47.0-120	
Benzo(b)fluoranthene	ug/L	50.0	33.0	66.0	46.0-120	
Benzo(k)fluoranthene	ug/L	50.0	34.2	68.4	46.0-120	
Benzo(g,h,i)perylene	ug/L	50.0	32.8	65.6	48.0-121	
Benzo(a)pyrene	ug/L	50.0	33.7	67.4	47.0-120	
Carbazole	ug/L	50.0	31.4	62.8	51.0-122	
Chrysene	ug/L	50.0	32.9	65.8	48.0-120	
Dibenz(a,h)anthracene	ug/L	50.0	32.4	64.8	47.0-120	
Dibenzofuran	ug/L	50.0	30.7	61.4	44.0-120	
Fluorene	ug/L	50.0	30.9	61.8	47.0-120	
Fluoranthene	ug/L	50.0	32.8	65.6	51.0-120	
Indeno(1,2,3-cd)pyrene	ug/L	50.0	31.1	62.2	49.0-122	
1-Methylnaphthalene	ug/L	50.0	26.4	52.8	33.0-120	
2-Methylnaphthalene	ug/L	50.0	25.6	51.2	33.0-120	
Phenanthrene	ug/L	50.0	30.0	60.0	46.0-120	
Pyrene	ug/L	50.0	30.8	61.6	47.0-120	
Naphthalene	ug/L	50.0	25.1	50.2	27.0-120	
bis(2-Ethylhexyl)phthalate	ug/L	50.0	29.2	58.4	43.0-122	
Di-n-butylphthalate	ug/L	50.0	30.5	61.0	49.0-121	
Di-n-octylphthalate	ug/L	50.0	29.4	58.8	42.0-125	
3&4-Methylphenol(m&p Cresol)	ug/L	50.0	22.8	45.6	31.0-120	
Pentachlorophenol	ug/L	50.0	35.2	70.4	23.0-120	
Phenol	ug/L	50.0	9.32	18.6	10.0-120	
2-Fluorophenol (S)	%			26.3	10.0-120	
Phenol-d5 (S)	%			16.4	10.0-120	
Nitrobenzene-d5 (S)	%			53.1	10.0-127	
2-Fluorobiphenyl (S)	%			51.6	10.0-130	
2,4,6-Tribromophenol (S)	%			60.5	10.0-155	
p-Terphenyl-d14 (S)	%			54.4	10.0-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3789362-1 R3789362-2

Parameter	Units	L1488145-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	50.0	50.0	45.6	47.3	91.2	94.6	28.0-120	3.66	25	
Acenaphthylene	ug/L	ND	50.0	50.0	48.1	49.2	96.2	98.4	31.0-121	2.26	25	
Anthracene	ug/L	ND	50.0	50.0	46.7	47.9	93.4	95.8	36.0-120	2.54	23	
Benzoic acid	ug/L	90.8	100	100	146	140	55.2	49.2	10.0-120	4.20	40	
Benzo(a)anthracene	ug/L	ND	50.0	50.0	44.8	46.9	89.6	93.8	39.0-120	4.58	23	
Benzo(b)fluoranthene	ug/L	ND	50.0	50.0	43.1	45.0	86.2	90.0	37.0-120	4.31	23	
Benzo(k)fluoranthene	ug/L	ND	50.0	50.0	45.4	47.9	90.8	95.8	37.0-120	5.36	26	
Benzo(g,h,i)perylene	ug/L	ND	50.0	50.0	40.1	40.5	80.2	81.0	37.0-123	0.993	25	
Benzo(a)pyrene	ug/L	ND	50.0	50.0	46.6	49.4	93.2	98.8	37.0-120	5.83	24	

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QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606561

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3789362-1 R3789362-2

Parameter	Units	L1488145-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Carbazole	ug/L	ND	50.0	50.0	45.2	46.8	90.4	93.6	38.0-127	3.48	21	
Chrysene	ug/L	ND	50.0	50.0	43.1	44.7	86.2	89.4	38.0-120	3.64	23	
Dibenz(a,h)anthracene	ug/L	ND	50.0	50.0	31.4	35.0	62.8	70.0	36.0-121	10.8	24	
Dibenzofuran	ug/L	ND	50.0	50.0	47.4	48.9	94.8	97.8	32.0-120	3.12	26	
Fluorene	ug/L	ND	50.0	50.0	44.3	47.2	88.6	94.4	37.0-120	6.34	24	
Fluoranthene	ug/L	ND	50.0	50.0	48.6	49.6	97.2	99.2	41.0-121	2.04	22	
Indeno(1,2,3-cd)pyrene	ug/L	ND	50.0	50.0	40.7	40.8	81.4	81.6	38.0-125	0.245	24	
1-Methylnaphthalene	ug/L	ND	50.0	50.0	45.4	47.2	90.8	94.4	11.0-120	3.89	27	
2-Methylnaphthalene	ug/L	ND	50.0	50.0	44.1	44.3	88.2	88.6	17.0-120	0.452	28	
Phenanthrene	ug/L	ND	50.0	50.0	47.1	50.3	94.2	101	33.0-120	6.57	22	
Pyrene	ug/L	ND	50.0	50.0	51.1	53.8	102	108	39.0-120	5.15	22	
Naphthalene	ug/L	ND	50.0	50.0	44.4	46.0	88.8	92.0	10.0-120	3.54	31	
bis(2-Ethylhexyl)phthalate	ug/L	ND	50.0	50.0	ND	ND	0.00	0.00	33.0-126	0.00	25	ML
Di-n-butylphthalate	ug/L	ND	50.0	50.0	48.9	51.6	97.8	103	35.0-128	5.37	23	
Di-n-octylphthalate	ug/L	ND	50.0	50.0	75.6	76.8	151	154	25.0-135	1.57	26	MH
3&4-Methylphenol(m&p Cresol)	ug/L	165	50.0	50.0	205	199	80.0	68.0	10.0-120	2.97	36	
Pentachlorophenol	ug/L	ND	50.0	50.0	53.9	55.8	108	112	10.0-128	3.46	37	
Phenol	ug/L	1870	50.0	50.0	2010	1940	280	140	10.0-120	3.54	40	P6
2-Fluorophenol (S)	%						37.2	36.1	10.0-120			S4
Phenol-d5 (S)	%						26.1	28.6	10.0-120			S4
Nitrobenzene-d5 (S)	%						56.2	56.4	10.0-127			S4
2-Fluorobiphenyl (S)	%						80.5	88.9	10.0-130			S4
2,4,6-Tribromophenol (S)	%						92.5	86.5	10.0-155			S4
p-Terphenyl-d14 (S)	%						96.0	102	10.0-128			S4

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606561

QC Batch: 812885
QC Batch Method: EPA Mod. 3510C
Analysis Method: NWTPH-Dx
Analysis Description: NWTPH-Dx GCS LV
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10606561001

METHOD BLANK: 4310138 Matrix: Water
Associated Lab Samples: 10606561001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Diesel Fuel Range	mg/L	ND	0.40	0.12	05/11/22 20:55	
Motor Oil Range	mg/L	ND	0.40	0.18	05/11/22 20:55	
n-Triacontane (S)	%.	64	50-150		05/11/22 20:55	
o-Terphenyl (S)	%.	79	50-150		05/11/22 20:55	

LABORATORY CONTROL SAMPLE & LCSD: 4310139 4310140

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Fuel Range	mg/L	2	1.4	1.7	70	83	50-150	17	20	
Motor Oil Range	mg/L	2	1.5	1.8	77	90	50-150	15	20	
n-Triacontane (S)	%.				65	74	50-150			
o-Terphenyl (S)	%.				79	89	50-150			

SAMPLE DUPLICATE: 4310141

Parameter	Units	10606561001 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range	mg/L	ND	ND		30	
Motor Oil Range	mg/L	ND	ND		30	
n-Triacontane (S)	%.	73	67			
o-Terphenyl (S)	%.	63	62			P1

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606561

QC Batch: 1862545
QC Batch Method: 4500S2 D-2011
Analysis Method: SM 4500-S2D
Analysis Description: Wet Chemistry 4500S2 D-2011
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10606561001

METHOD BLANK: R3791750-1 Matrix: Water
Associated Lab Samples: 10606561001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	ug/L	ND	50.0	25.0	05/13/22 17:58	

LABORATORY CONTROL SAMPLE: R3791750-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	ug/L	500	555	111	85.0-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3791750-4 R3791750-5

Parameter	Units	L1488096-07 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	ug/L	ND	500	500	556	558	111	112	80.0-120	0.359	20	

SAMPLE DUPLICATE: R3791750-3

Parameter	Units	L1488096-01 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide	ug/L	ND	ND	0.00	20	

SAMPLE DUPLICATE: R3791750-6

Parameter	Units	L1488730-05 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide	ug/L	ND	ND	0.00	20	

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606561

QC Batch: 1862545
QC Batch Method: 4500 S2 D-2011/4500S2 D-2011
Analysis Method: SM 4500-S2D
Analysis Description: Wet Chemistry 4500S2 D-2011
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10606561001

METHOD BLANK: R3791750-1 Matrix: Water
Associated Lab Samples: 10606561001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	ug/L	ND	50.0	25.0	05/13/22 17:58	

LABORATORY CONTROL SAMPLE: R3791750-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	ug/L	500	555	111	85.0-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3791750-4 R3791750-5

Parameter	Units	L1488096-07 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	ug/L	ND	500	500	556	558	111	112	80.0-120	0.359	20	

SAMPLE DUPLICATE: R3791750-3

Parameter	Units	L1488096-01 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide	ug/L	ND	ND	0.00	20	

SAMPLE DUPLICATE: R3791750-6

Parameter	Units	L1488730-05 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide	ug/L	ND	ND	0.00	20	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606561

QC Batch: 815530
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10606561001

METHOD BLANK: 4323119 Matrix: Water
Associated Lab Samples: 10606561001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	0.015	05/16/22 14:29	

LABORATORY CONTROL SAMPLE: 4323120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2.5	2.5	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4323121 4323122

Parameter	Units	10607680002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	ND	2.5	2.5	2.5	2.5	102	99	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4323123 4323124

Parameter	Units	10607541001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	ND	2.5	2.5	2.4	2.4	98	98	90-110	0	20	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: D3593500
Pace Project No.: 10606561

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 10606561001
[1] Wet Chemistry by Method 4500S2 D-2011 - Ran out of hold due to supply chain issues.

Sample: L1488096-01
[1] Wet Chemistry by Method 4500S2 D-2011 - Ran out of hold due to supply chain issues.

Sample: L1488096-07
[1] Wet Chemistry by Method 4500S2 D-2011 - Ran out of hold due to supply chain issues.

Sample: L1488145-02
[1] Semi Volatile Organic Compounds (GC/MS) by Method 8270E - Dilution due to matrix impact.

Sample: L1488730-05
[1] Wet Chemistry by Method 4500S2 D-2011 - Ran out of hold due to supply chain issues.

ANALYTE QUALIFIERS

G6	An aliquot for analysis was taken from the original container received due to volume requirements of the laboratory's procedure. Rinsing of the original sample container for inclusion in the sample extraction was not performed.
H1	Analysis conducted outside the recognized method holding time.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.

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QUALIFIERS

Project: D3593500
Pace Project No.: 10606561

ANALYTE QUALIFIERS

P1	Routine initial sample volume or weight was not used for extraction, resulting in elevated reporting limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: D3593500
Pace Project No.: 10606561

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10606561001	**EB02-042822-02**	EPA Mod. 3510C	812885	NWTPH-Dx	814390
10606561001	**EB02-042822-02**	EPA 3020A	812961	EPA 6020B	813290
10606561001	**EB02-042822-02**	EPA 7470A	812985	EPA 7470A	814217
10606561001	**EB02-042822-02**	3510C	1858057	EPA 8270E	1858057
10606561001	**EB02-042822-02**	4500S2 D-2011	1862545	SM 4500-S2D	1862545
10606561001	**EB02-042822-02**	EPA 350.1	815530		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Work

WO# : 10606561

10606561

ALL SHAD

Company: JACOBS	Billing Information: SEE CONTRACT
Address: 2020 SW 4th Ave, PDX, 97201 SUITE 300	
Report To: KRIS IVARSON	Email To: BERNICE.KIDD@JACOBS.COM KRIS.IVARSON@JACOBS.COM
Copy To: BERNEY KIDD	Site Collection Info/Address: WISHRAM BNSF
Customer Project Name/Number: D3593500	State: WA County/City: KLICKITAT Time Zone Collected: [X] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): J. WRIGHT	Purchase Order #: Quote #: SEE CONTRACT DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: STNDRD Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [X] No Analysis:

Container Preservative Type**

2	H/S	1	U	U	U	3			

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Ammonia	Sulfide	Metals	SVOCs / PAHs SW8270	Dioxins/Furans EPA 1613B / EPA 1668B	PCBs; Congener List 1668B	NWTPH-Dx	Analyses	Analyses	Analyses
EB02-042822-02	W	G	4/28/22	1200	—			11	1	1	1	2	2	2	2			

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips:			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

VL 1

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2743812

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: (Y) N NA
Therm ID#: 1
Cooler 1 Temp Upon Receipt: _____oC
Cooler 1 Therm Corr. Factor: _____oC
Cooler 1 Corrected Temp: _____oC
Comments:
10.2

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: Page 21 of 22 of: _____

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Caleb Torgerson/Jacobs	4/29/22, 1530	/PACE	5.2.22 8:50
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

	DC#_Title: ENV-FRM-MIN4-0149 v03_Sample Condition Upon Receipt (SCUR) - ESI
Pace ANALYTICAL SERVICES	Effective Date: 04/12/2022

Sample Condition Upon Receipt – ESI Tech Specs

Client Name: Jacobs

Project # WO#: 10606561 PM: AR4 Due Date: 05/16/22 CLIENT: 11 Jacobs

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial

Tracking Number: 272601041935 See Exceptions ☐ ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other: _____ Temp Blank? ☑ Yes ☐ No

Thermometer: ☑ T1(0461) ☐ T2(1336) ☐ T3(0459) ☐ T4(0254) ☐ T5(0489) ☐ T6(0235) ☐ T7(0042) Type of Ice: ☑ Wet ☐ Blue ☐ None ☐ Dry ☑ Melted

Temp should be above freezing to 6°C Cooler Temp Read w/temp blank: 10.2 °C

Correction Factor: True Cooler Temp Corrected w/temp blank: 10.2 °C

Average Corrected Temp (no temp blank only): _____ °C ☐ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container

USDA Regulated Soil: (☐ N/A, water sample/Other: _____) Date/Initials of Person Examining Contents: ED 5.2.22

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present and Filled Out?	☑ Yes	☐ No		1.
Chain of Custody Relinquished?	☑ Yes	☐ No		2.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	3.
Samples Arrived within Hold Time?	☑ Yes	☐ No		4.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No		5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E coli ☐ BOD/cBOD ☐ Hex Chrome ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other_____
Rush Turn Around Time Requested?	☐ Yes	☑ No		6.
Sufficient Sample Volume?	☑ Yes	☐ No		7.
Triple Volume Provided for MS/MSD (if more than 10 samples)?	☐ Yes	☐ No	☑ N/A	
Correct Containers Used?	☑ Yes	☐ No		8. 6 AGIU, 2 AG2H, 1 BP3S, 1 BP3N, 1 BP2Z
-Pace Containers Used?	☑ Yes	☐ No		
Containers Intact?	☑ Yes	☐ No		9.
Field Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Is sufficient information available to reconcile the samples to the COC?	☑ Yes	☐ No		11. If no, write ID/ Date/Time on Container Below: ☐ See Exception ENV-FRM-MIN4-0142
Matrix: ☑ Water ☐ Soil ☐ Oil ☐ Other_____				
All containers needing acid/base preservation have been checked?	☑ Yes	☐ No	☐ N/A	12. Sample # 001
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☑ Yes	☐ No	☐ N/A	☐ NaOH ☑ HNO_3 1/1 ☑ H_2SO_4 1/1 ☑ Zinc Acetate 1/1
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS *If adding preservative to a container it must be added to associated field and equipment blanks (verify with PM first)	☑ Yes	☐ No	☐ N/A	Positive for Res. Chlorine? ☐ Yes ☐ No pH Paper Lot# ☐ See Exception ENV-FRM-MIN4-0142
				Res. Chlorine | 0-6 Roll 212521 | 0-6 Strip | 0-14 Strip 10D2811
Extra labels present on soil VOA or WIDRO containers?	☐ Yes	☐ No	☑ N/A	13. ☐ See Exception ENV-FRM-MIN4-0140
Headspace in VOA Vials (greater than 6mm)?	☐ Yes	☐ No	☑ N/A	
3 Trip Blanks Present?	☐ Yes	☐ No	☑ N/A	14. Pace Trip Blank Lot # (if purchased):_____
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

Temp Log: Temp must be maintained at <6°C during login, record temp every 20 mins			
Opened Time: 9:50	Temp: 10.2	Corrected Temp: 10.2	
Time: 10:10	put in cooler		
Time:	Temp:	Corrected Temp:	

CLIENT NOTIFICATION/RESOLUTION Field Data Required? ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: _____ Date: 5/2/22

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers)

Labeled by: ED

GC-FID DRO - FORM II SVOA-1
WATER SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No.: 10606561 Contract: D3593500

Instrument ID: 10GCSF

LAB SAMPLE ID	SAMPLE NAME	NTCS	OTER
4310138	4310138BLANK	64	79
4310139	4310139LCS	65	79
4310140	4310140LCSD	74	89
4310141	4310141DUP	67	62
10606561001	EB02-042822-02	73	63

	QC LIMITS
(NTCS) = n-Triacontane (S)	(50-150)
(OTER) = o-Terphenyl (S)	(50-150)

* Values outside of QC Limits

GC-FID DRO - FORM III SVOA-1
WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota
Lab Sample ID: 4310139LCS
Date Extracted: 05/03/2022
Date Analyzed (1): 05/11/2022
Instrument: 10GCSF
LCS Lot No: 358262
Lab File ID: 051122F.B\0511F0000042.D
SDG No.: 10606561

COMPOUND	AMOUNT ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS %REC	QC LIMITS REC.
Diesel Fuel Range	2.0	1.4	70	50-150
Motor Oil Range	2.0	1.5	77	50-150

Spike Recovery: 0 out of 2 outside limits.

GC-FID DRO - FORM III SVOA-2
WATER LABORATORY CONTROL SAMPLE RECOVERY

Instrument ID (2): 10GCSF
Lab Sample ID (2): 4310140LCSD
Date Analyzed 05/11/2022
Lab File ID (2): 051122F.B\0511F0000043.D

COMPOUND	AMOUNT ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD %REC	%RPD	QC LIMITS	
					RPD	REC.
Diesel Fuel Range	2.0	1.7	83	17	0-20	50-150
Motor Oil Range	2.0	1.8	90	15	0-20	50-150

RPD: 0 out of 2 outside limits.
Spike Recovery: 0 out of 2 outside limits.

GC-FID DRO - FORM III SVOA-1
WATER SEMI-VOLATILE SAMPLE/DUPLICATE RECOVERY

Lab Name: Pace Analytical - Minnesota
Duplicate Sample No: 10606561001DUP
Date Extracted: 05/03/2022
Date Analyzed: 05/11/2022
Instrument: 10GCSF
Lab File ID: 051122F.B\0511F0000045.D
Lab Sample ID: EB02-042822-02
SDG No.: 10606561

COMPOUND	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD	RPD LIMITS
Diesel Fuel Range	ND	ND		0-30
Motor Oil Range	ND	ND		0-30

RPD: ____ out of __0__ outside limits.

SAMPLE NO.

4310138BLANK

GC-FID DRO - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

Lab Name: Pace Analytical - Minnesota SDG No.: 10606561 Contract: D3593500

Instrument ID: 10GCSF Matrix: Water Lab Sample ID: 4310138

Lab File ID: 051122F.B\0511F0000041.D Date Analyzed: 05/11/2022 Time: 20:55

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
4310139LCS	4310139	051122F.B\0511F0000042.D	05/11/2022 21:07
4310140LCSD	4310140	051122F.B\0511F0000043.D	05/11/2022 21:18
EB02-042822-02	10606561001	051122F.B\0511F0000044.D	05/11/2022 21:29
4310141DUP	4310141	051122F.B\0511F0000045.D	05/11/2022 21:41

SAMPLE NO.

EB02-042822-02

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received: 05/02/2022 08:50
Matrix: Water SDG No.: 10606561
Date Extracted: 05/03/2022 18:24
Lab Sample ID: 10606561001
Date Analyzed: 05/11/2022 21:29
Lab File ID: 051122F.B\0511F0000044.D
Initial wt/vol: 450 mL Final wt/vol: 1 mL Dilution: 1
Instrument: 10GCSF Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/L	Q
68334-30-5	Diesel Fuel Range	ND	U
	Motor Oil Range	ND	U

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000044.D
Lab Smp Id: 10606561001 Client Smp ID: EB02-042822-02
Inj Date : 11-MAY-2022 21:29
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 10606561001
Misc Info : 39317
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 33
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: WATER
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf *Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Vo	450.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.567	2.568	-0.001	191008	31.3867	69.7	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.025	4.028	-0.003	177193	36.4358	81.0	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		156130	10.6701	23.7	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		156130	11.1448	24.8	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		270899	1.66216	3.69	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		270899	1.66216	3.69	(M)	RNG

QC Flag Legend

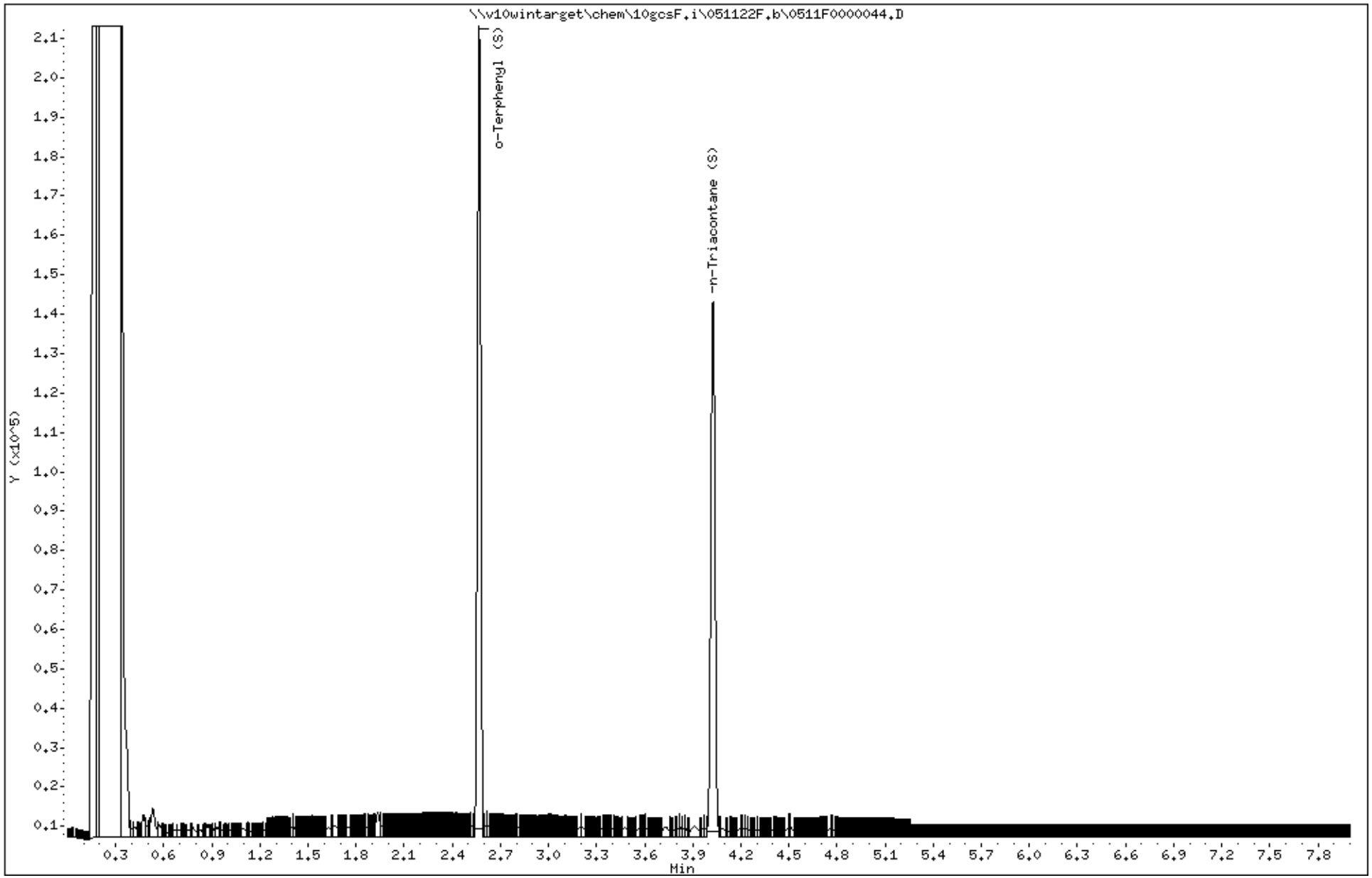
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000044.D
Date : 11-MAY-2022 21:29
Client ID: EB02-042822-02
Sample Info: 10606561001
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32



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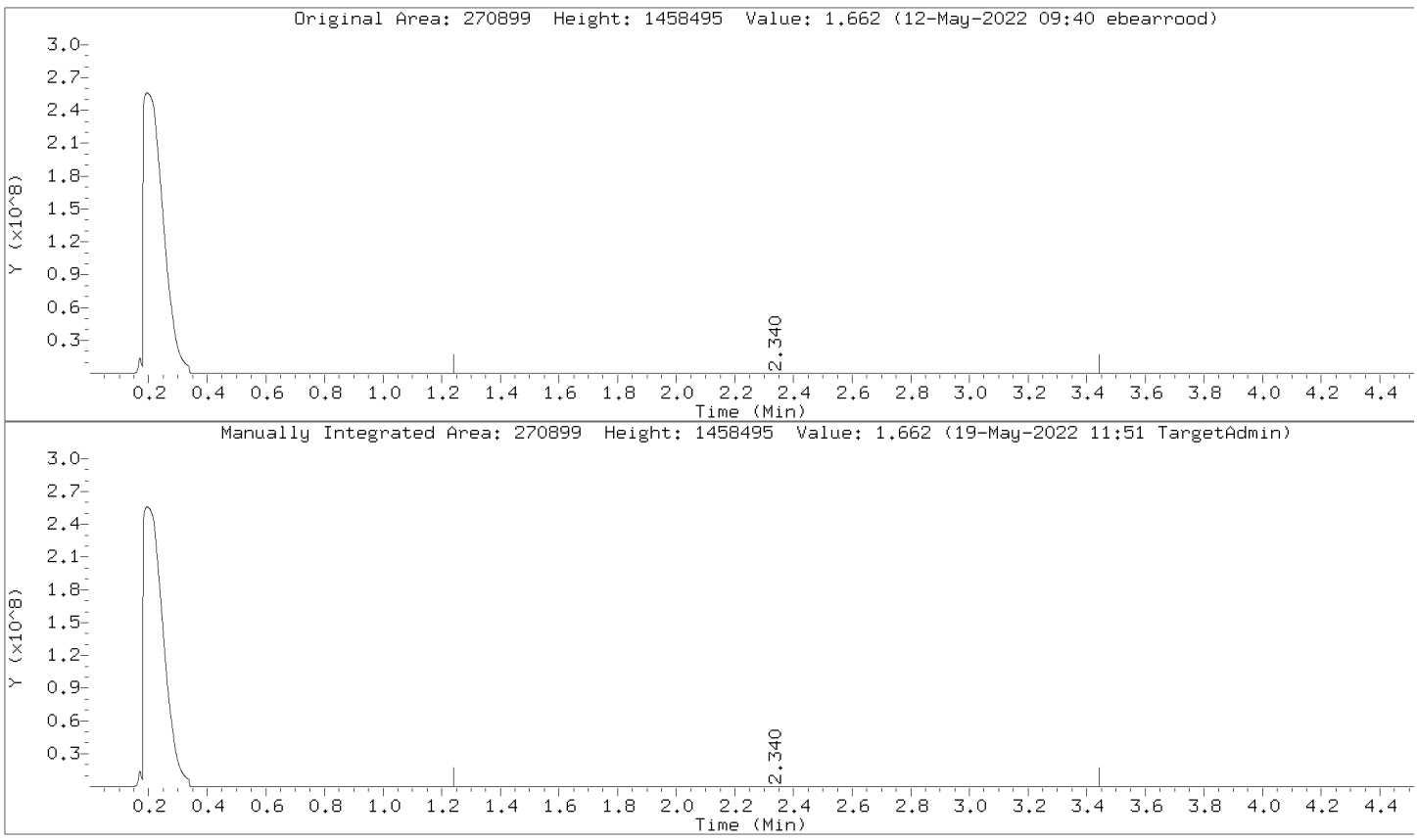
10606561

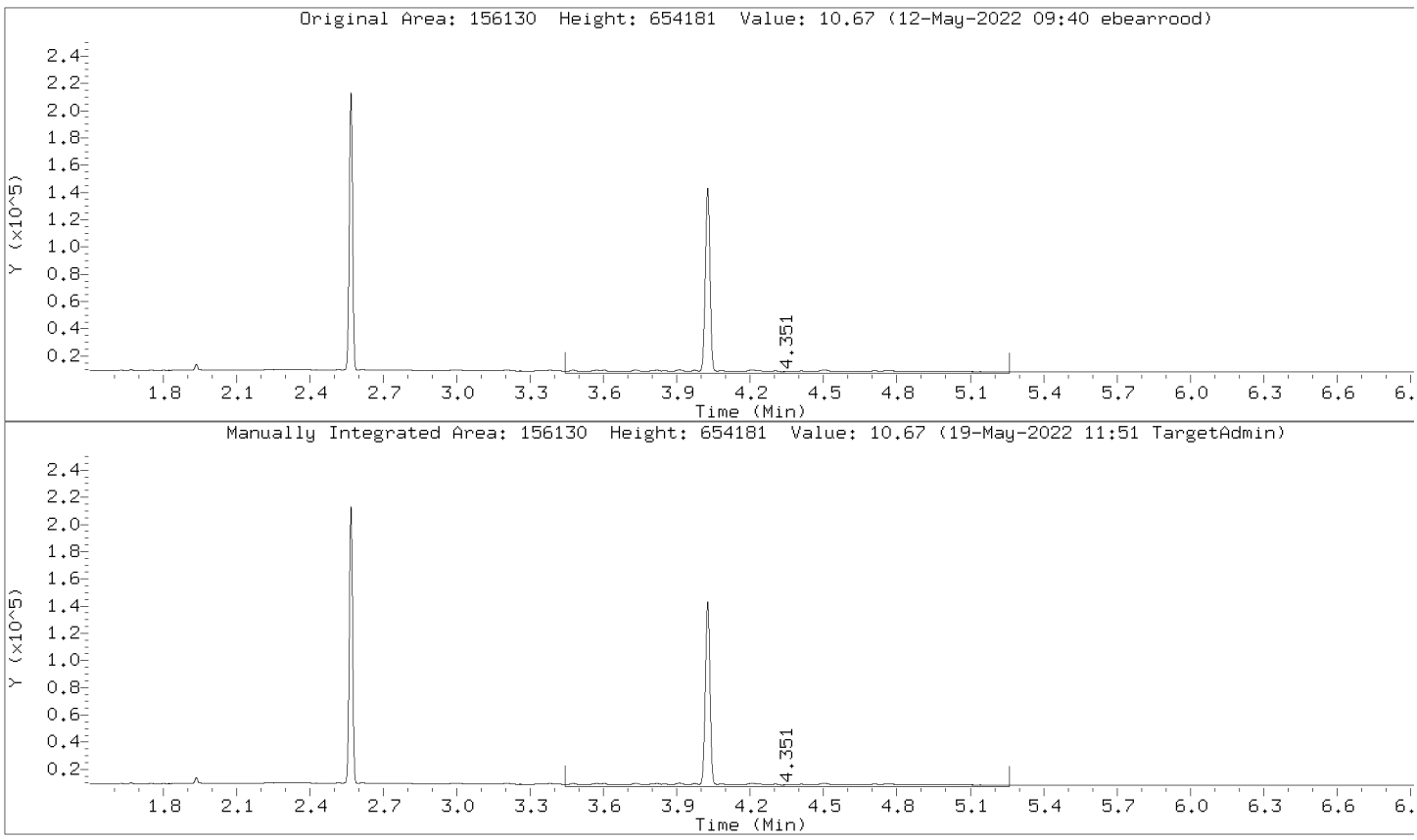
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000044.D
Injection Date: 11-MAY-2022 21:29
Instrument: 10gcsF.i
Lab Sample ID: 10606561001

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



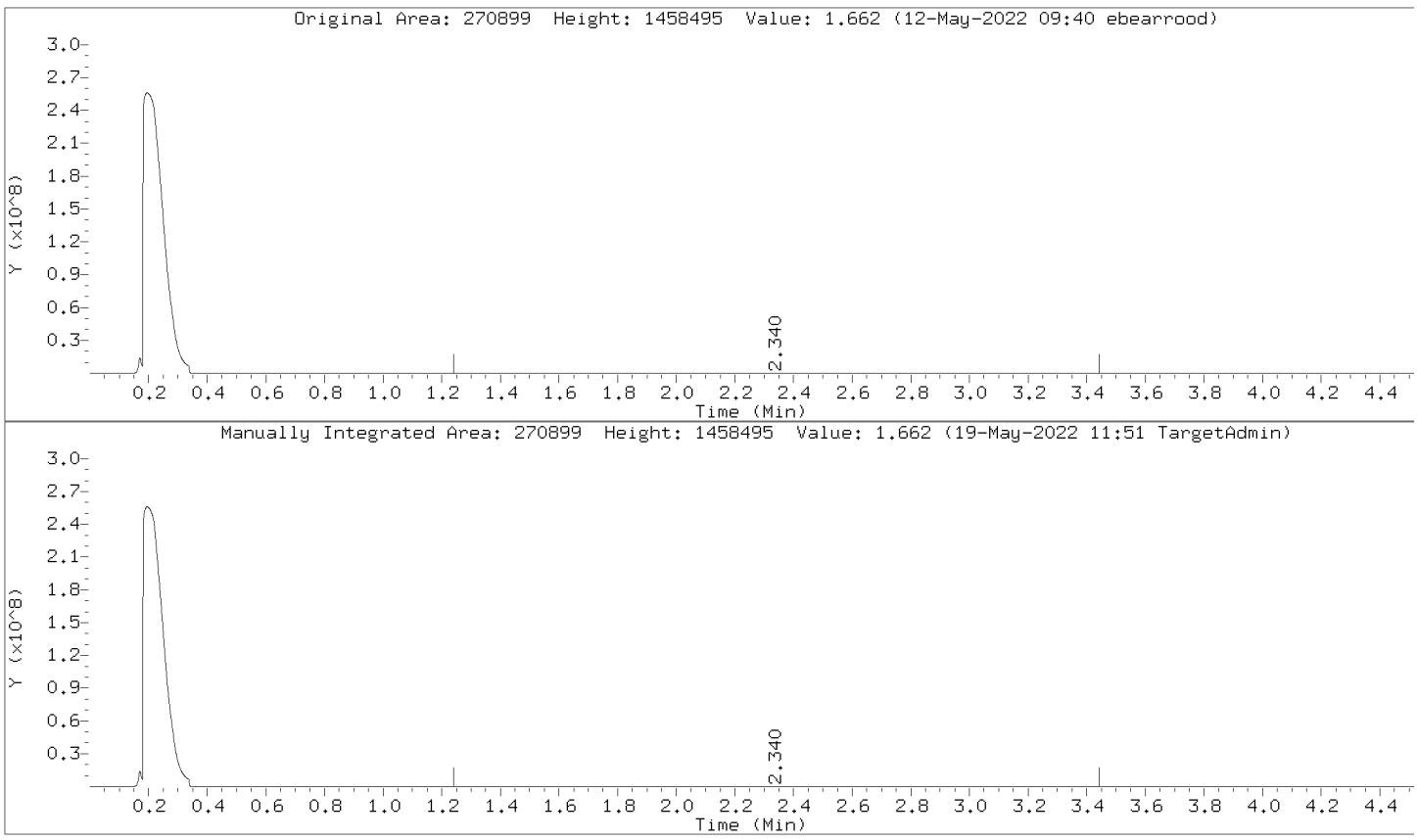
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000044.D
Injection Date: 11-MAY-2022 21:29
Instrument: 10gcsF.i
Lab Sample ID: 10606561001

Compound: Motor Oil Range Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000044.D
Injection Date: 11-MAY-2022 21:29
Instrument: 10gcsF.i
Lab Sample ID: 10606561001

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



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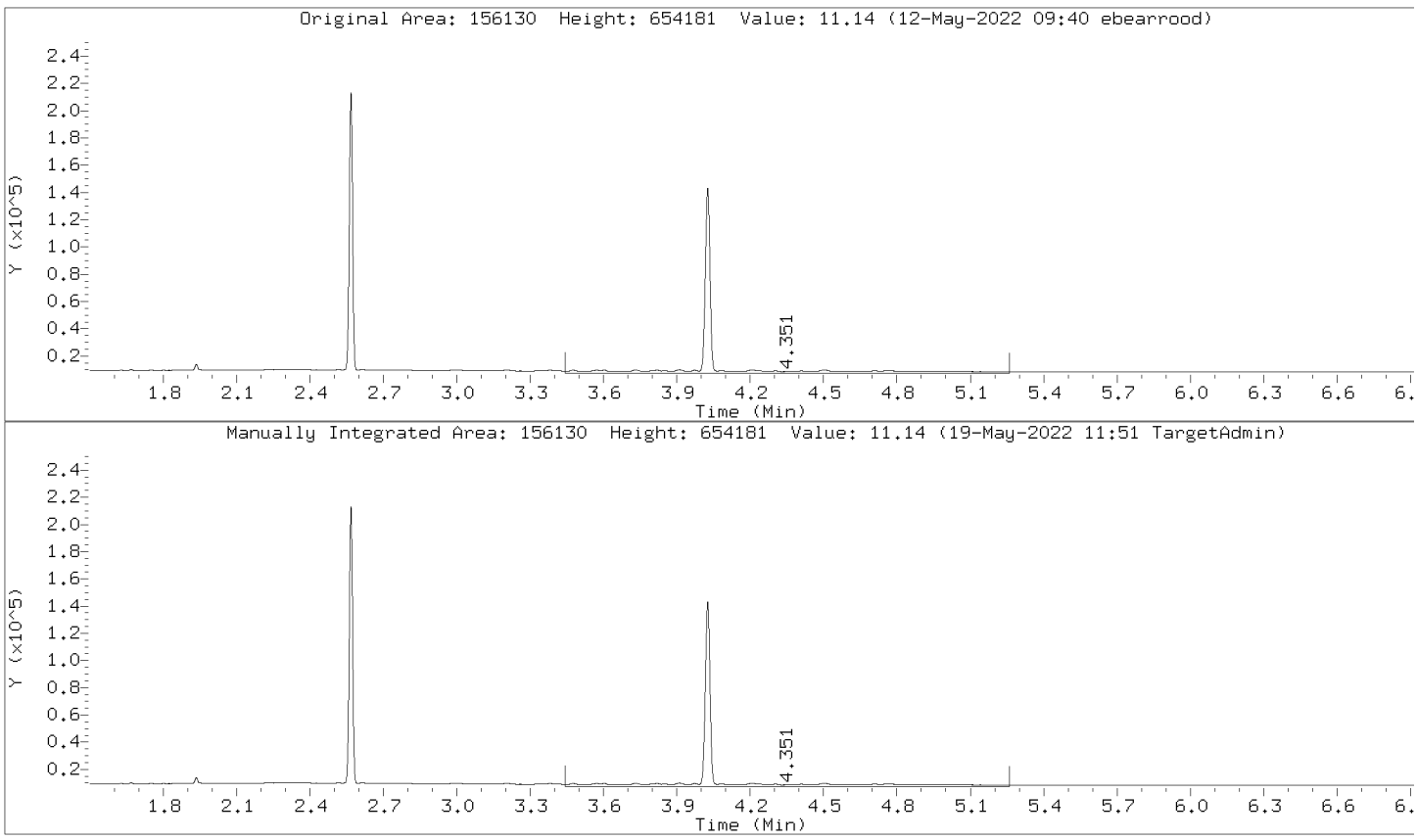
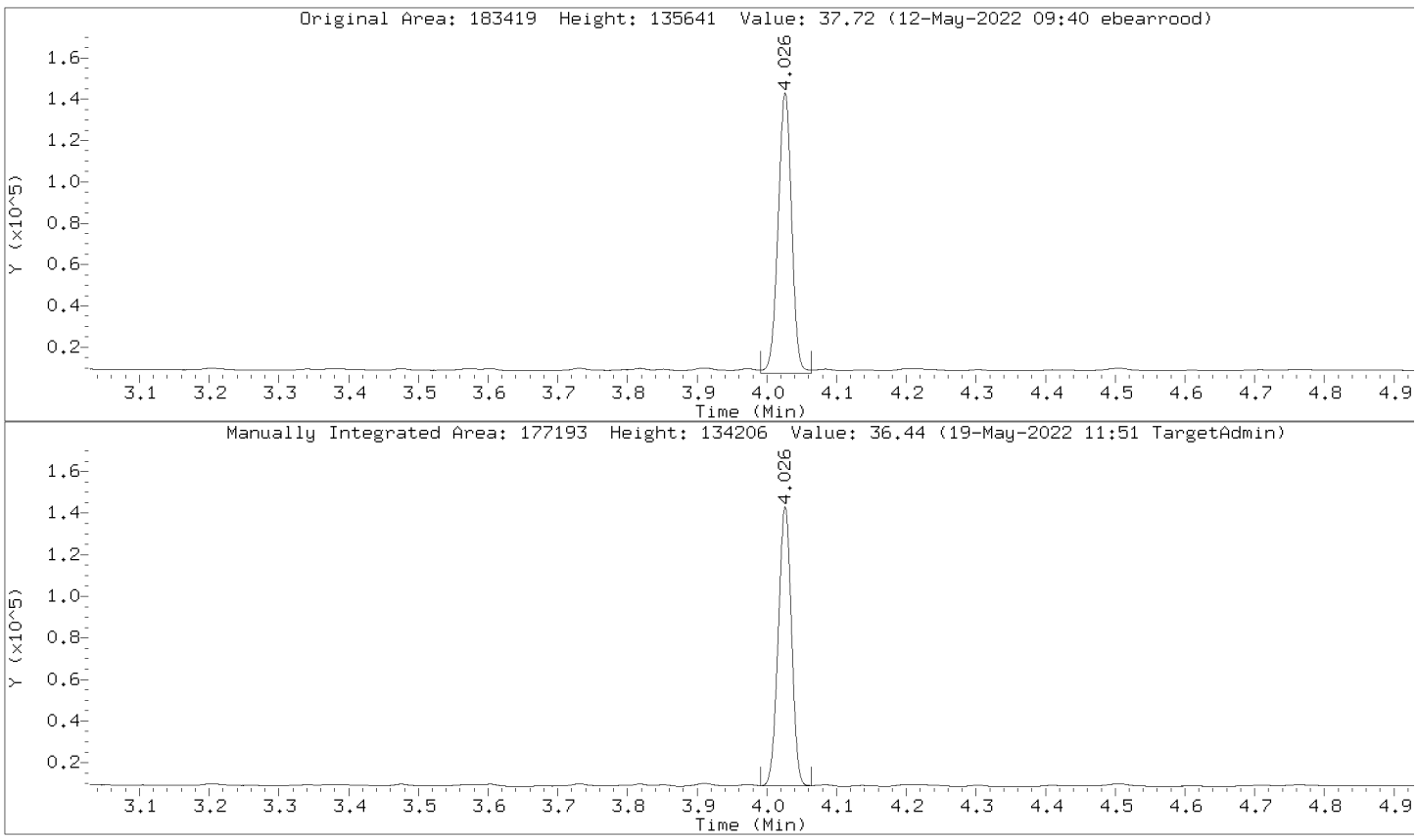
Injection Date: 11-MAY-2022 21:29
Instrument: 10gcsF.i
Lab Sample ID: 10606561001

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000044.D
Injection Date: 11-MAY-2022 21:29
Instrument: 10gcsF.i
Lab Sample ID: 10606561001

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



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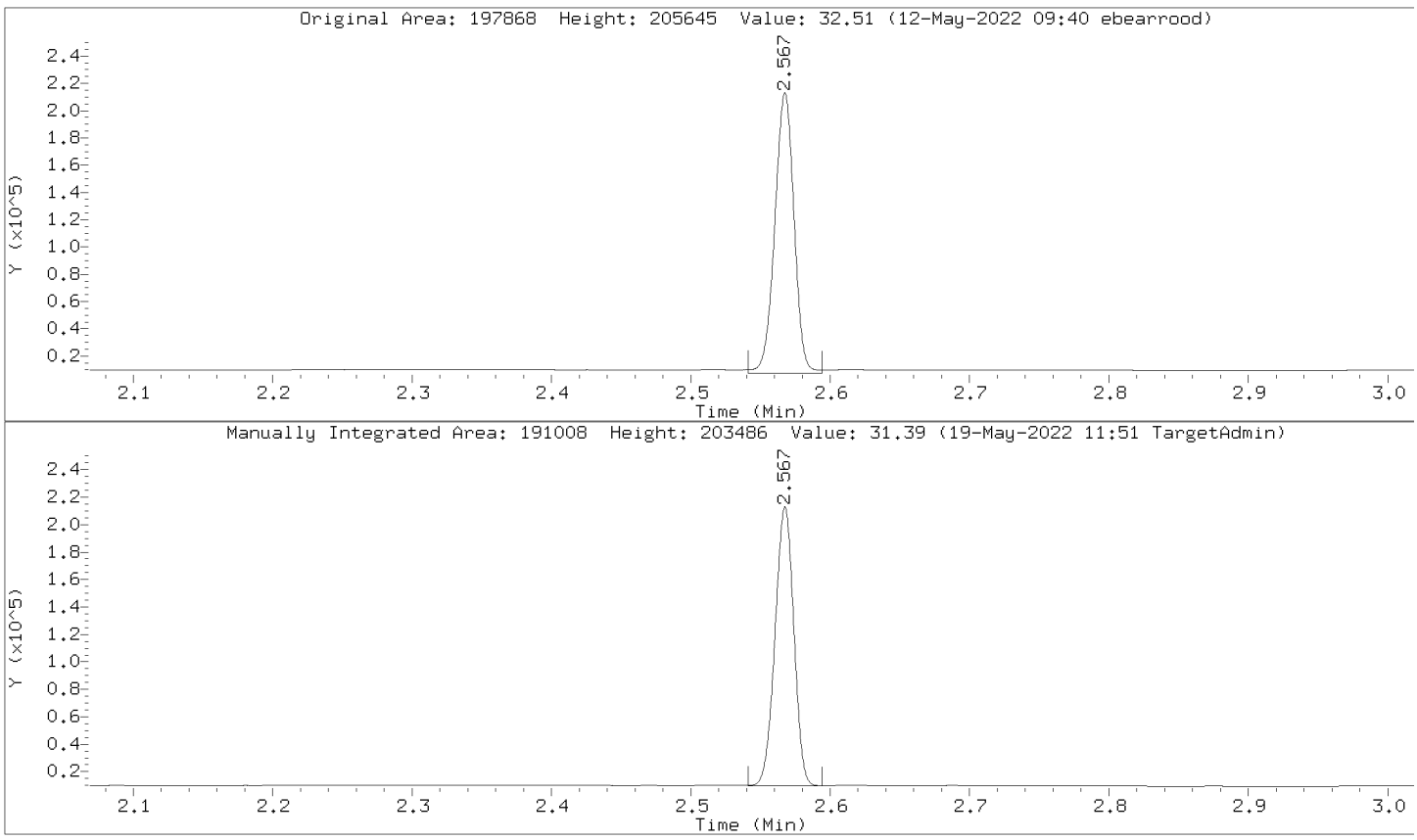
Injection Date: 11-MAY-2022 21:29
Instrument: 10gcsF.i
Lab Sample ID: 10606561001

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	270899	270899
Motor Oil Range	156130	156130
Diesel Fuel Range SG	270899	270899
Motor Oil Range SG	156130	156130
n-Triacontane (S)	183419	177193
o-Terphenyl (S)	197868	191008

GC-FID DRO - FORM VI SVOA-1
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10GCSF GC Column: FID SDG No.: 10606561

Calibration Date(s): 05/09/2022 05/09/2022 Calibration Time(s): 15:31 17:04

LAB FILE ID

CAL2 = 050922F.B\0509F0000025.D CAL3 = 050922F.B\0509F0000026.D CAL4 = 050922F.B\0509F0000027.D
CAL5 = 050922F.B\0509F0000028.D CAL6 = 050922F.B\0509F0000029.D CAL7 = 050922F.B\0509F0000030.D
CAL8 = 050922F.B\0509F0000031.D CAL9 = 050922F.B\0509F0000032.D CAL10 = 050922F.B\0509F0000033.D

COMPOUND	CURVE TYPE	CAL2	CAL3	CAL4	CAL5	CAL6	CAL7
Diesel Fuel Range	Linear	26626.5000	13684.0800	8972.0000	6745.3200	5367.3880	4932.6900
Motor Oil Range	Linear	13188.4000	8188.1600	5792.1400	4949.4600	4343.8560	4130.8680
n-Triacontane (S)	Averaged	4905.0000	5039.2000	4954.2000	4885.7000	4837.3600	4838.6400
o-Terphenyl (S)	Averaged	6519.0000	6256.4000	6082.2000	6043.5000	5907.1200	5904.8600

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

GC-FID DRO - FORM VI SVOA-2
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10GCSF GC Column: FID SDG No.: 10606561

Calibration Date(s): 05/09/2022 05/09/2022 Calibration Time(s): 15:31 17:04

LAB FILE ID

CAL2 = 050922F.B\0509F0000025.D CAL3 = 050922F.B\0509F0000026.D CAL4 = 050922F.B\0509F0000027.D

CAL5 = 050922F.B\0509F0000028.D CAL6 = 050922F.B\0509F0000029.D CAL7 = 050922F.B\0509F0000030.D

CAL8 = 050922F.B\0509F0000031.D CAL9 = 050922F.B\0509F0000032.D CAL10 = 050922F.B\0509F0000033.D

COMPOUND	CURVE TYPE	CAL8	CAL9	CAL10
Diesel Fuel Range	Linear	4693.5700	4485.2455	4385.1072
Motor Oil Range	Linear	3996.9180	4002.9135	3903.8372
n-Triacontane (S)	Averaged	4833.5200	4746.1350	4728.6100
o-Terphenyl (S)	Averaged	5888.9700	6091.3050	6077.4225

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

GC-FID DRO - FORM VI SVOA-3
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10GCSF GC Column: FID SDG No.: 10606561

Calibration Date(s): 05/09/2022 05/09/2022 Calibration Time(s): 15:31 17:04

LAB FILE ID

CAL2 = 050922F.B\0509F0000025.D CAL3 = 050922F.B\0509F0000026.D CAL4 = 050922F.B\0509F0000027.D

CAL5 = 050922F.B\0509F0000028.D CAL6 = 050922F.B\0509F0000029.D CAL7 = 050922F.B\0509F0000030.D

CAL8 = 050922F.B\0509F0000031.D CAL9 = 050922F.B\0509F0000032.D CAL10 = 050922F.B\0509F0000033.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Diesel Fuel Range	Linear		0.99993	263699.280	4331.55482	
Motor Oil Range	Linear		0.99992	114634.240	3888.96343	
n-Triacontane (S)	Averaged	1.99736			4863.15167	
o-Terphenyl (S)	Averaged	3.29707			6085.64194	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000003.D
Lab Smp Id: DMO-RTM,362402:2 Client Smp ID: DMO-RTM,362402:2
Inj Date : 09-MAY-2022 10:14
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-rtm,362402:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10SVOA-TT

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL	
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE
S 1 DRO by AK 102					CAS #:	
Compound Not Detected.						
$ 2 o-Terphenyl (S)					CAS #:	
2.559	2.565	-0.006	7	0.00423	0.00423	(R)
$ 3 n-Triacontane (S)					CAS #:	
4.021	4.017	0.004	26	0.02406	0.0241	(R)
S 4 Residual Range Organics AK103					CAS #:	
Compound Not Detected.						
S 5 TPH-DRO (C10-C28)					CAS #:	
Compound Not Detected.						
S 6 Motor Oil Range (C24-C36)					CAS #:	
Compound Not Detected.						
S 7 C10-C36					CAS #:	
Compound Not Detected.						

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/mL)	REVIEW CODE

S 8 Diesel Fuel Range CAS #:

Compound Not Detected.

S 9 Diesel Fuel Range SG CAS #:

Compound Not Detected.

S 10 Motor Oil Range CAS #:

Compound Not Detected.

S 11 Motor Oil Range SG CAS #:

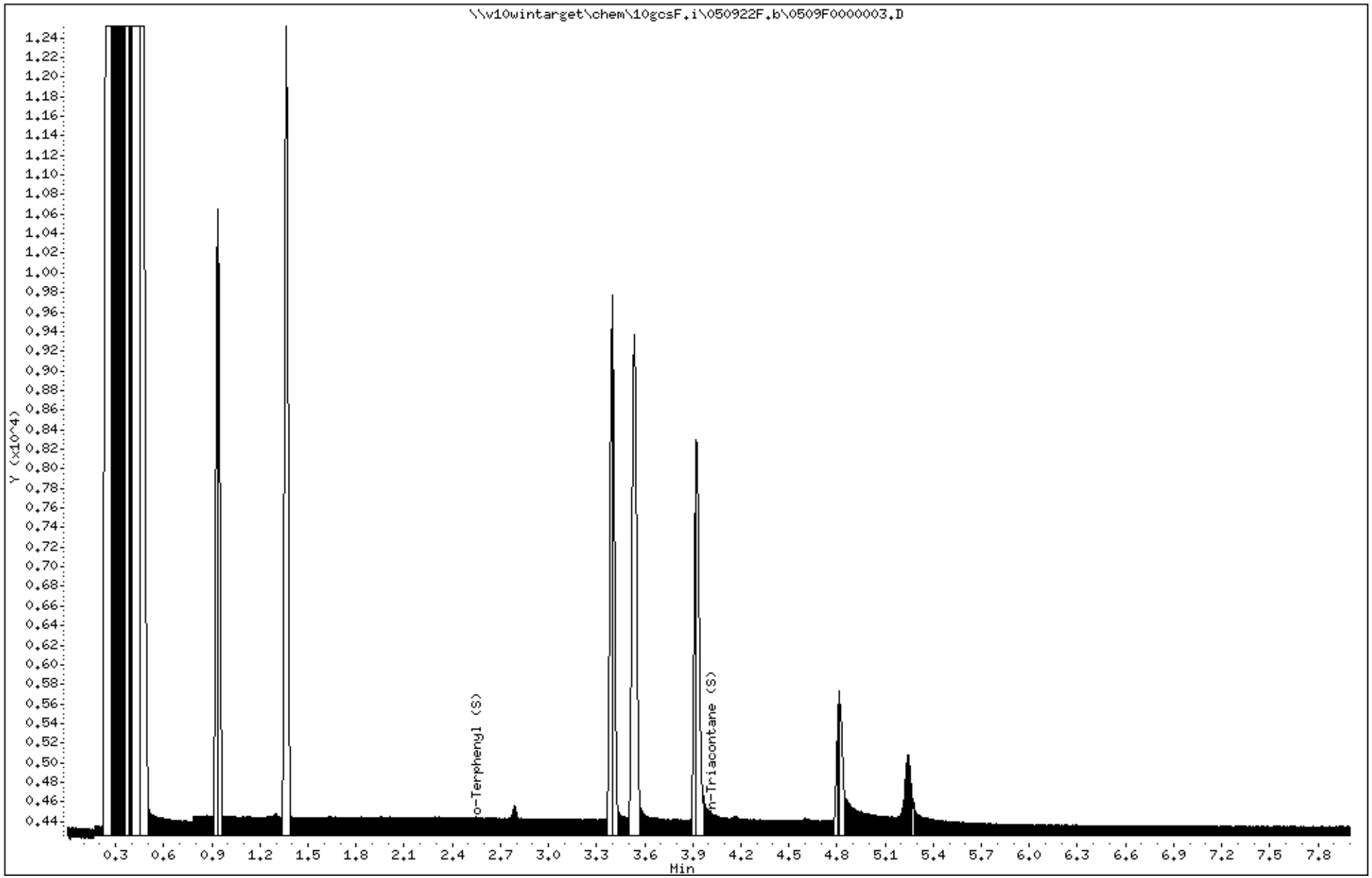
Compound Not Detected.

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000003.D
Date : 09-MAY-2022 10:14
Client ID: DMO-RTM,362402:2
Sample Info: DMO-RTM,362402:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000003.D
Injection Date: 09-MAY-2022 10:14
Instrument: 10gcsF.i
Lab Sample ID: DMO-RTM,362402:2
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	0	0
DRO by AK 102	0	0
TPH-DRO (C10-C28)	0	0
Motor Oil Range (C24-C36)	0	0
Diesel Fuel Range	0	0
Motor Oil Range	0	0
Diesel Fuel Range SG	0	0
Motor Oil Range SG	0	0
C10-C36	0	0
n-Triacontane (S)	26	26
o-Terphenyl (S)	7	7

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000025.D
Lab Smp Id: DMO-CAL2,364980:2 Client Smp ID: DMO-CAL2,364980:2
Inj Date : 09-MAY-2022 15:31
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal2,364980:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		300261	10.0000	1.28	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.562	2.565	-0.003	6519	1.00000	1.07	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.014	4.017	-0.003	4905	1.00000	1.01	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		103492	10.0000	3.06	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		338750	10.0000	2.06	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		115167	10.0000	2.96	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		403754	20.0000	3.92	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		266265	10.0000	0.592	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		266265	10.0000	0.592	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		131884	10.0000	4.44	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		131884	10.0000	4.91	(MH)	RNG

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Review Codes Legend

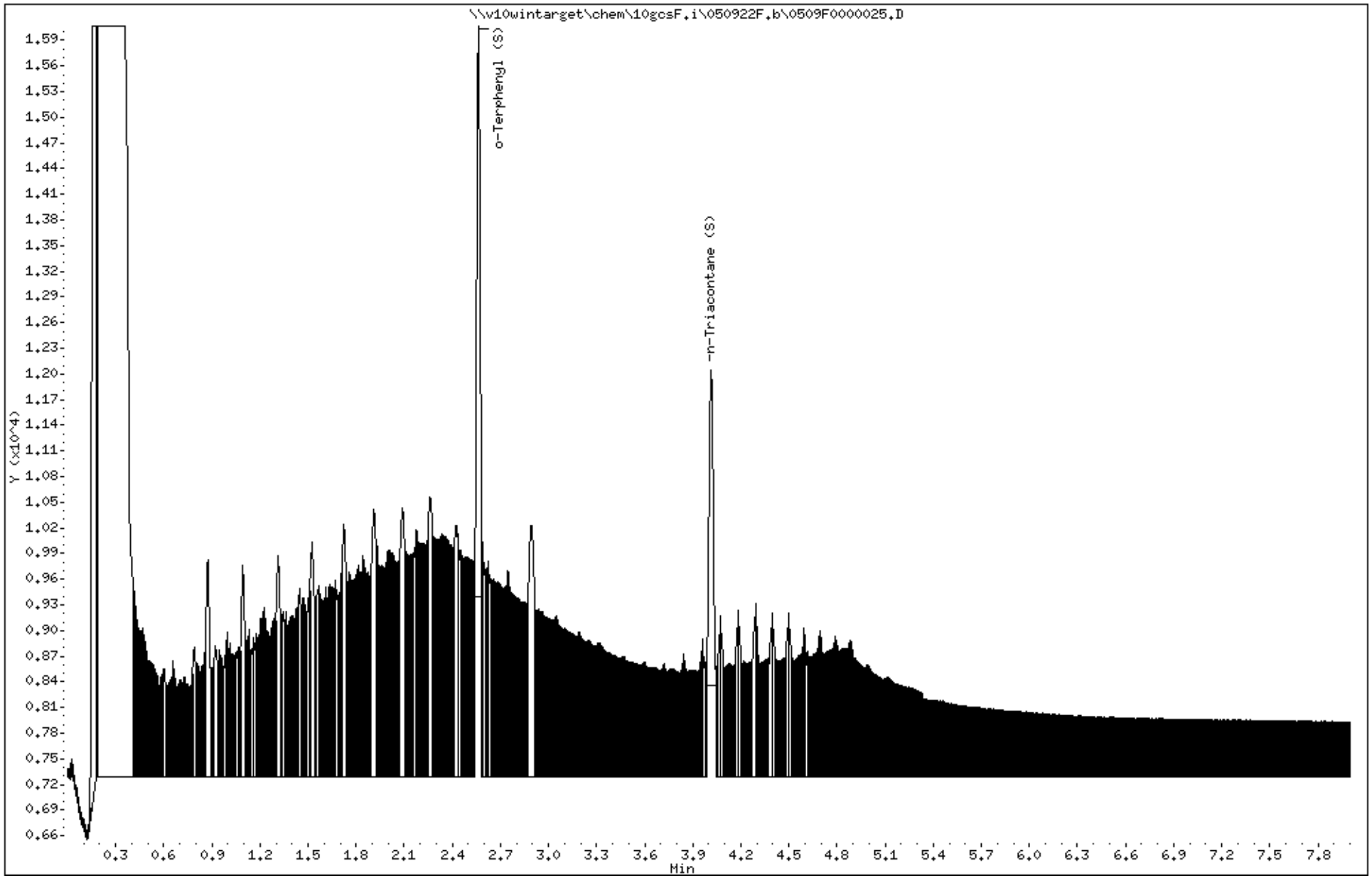
RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000025.D
Date : 09-MAY-2022 15:31
Client ID: DMO-CAL2,364980:2
Sample Info: DMO-CAL2,364980:2

Column phase: DB-5-US21390001

Instrument: 10gcsF.i

Operator: TT2
Column diameter: 0.32



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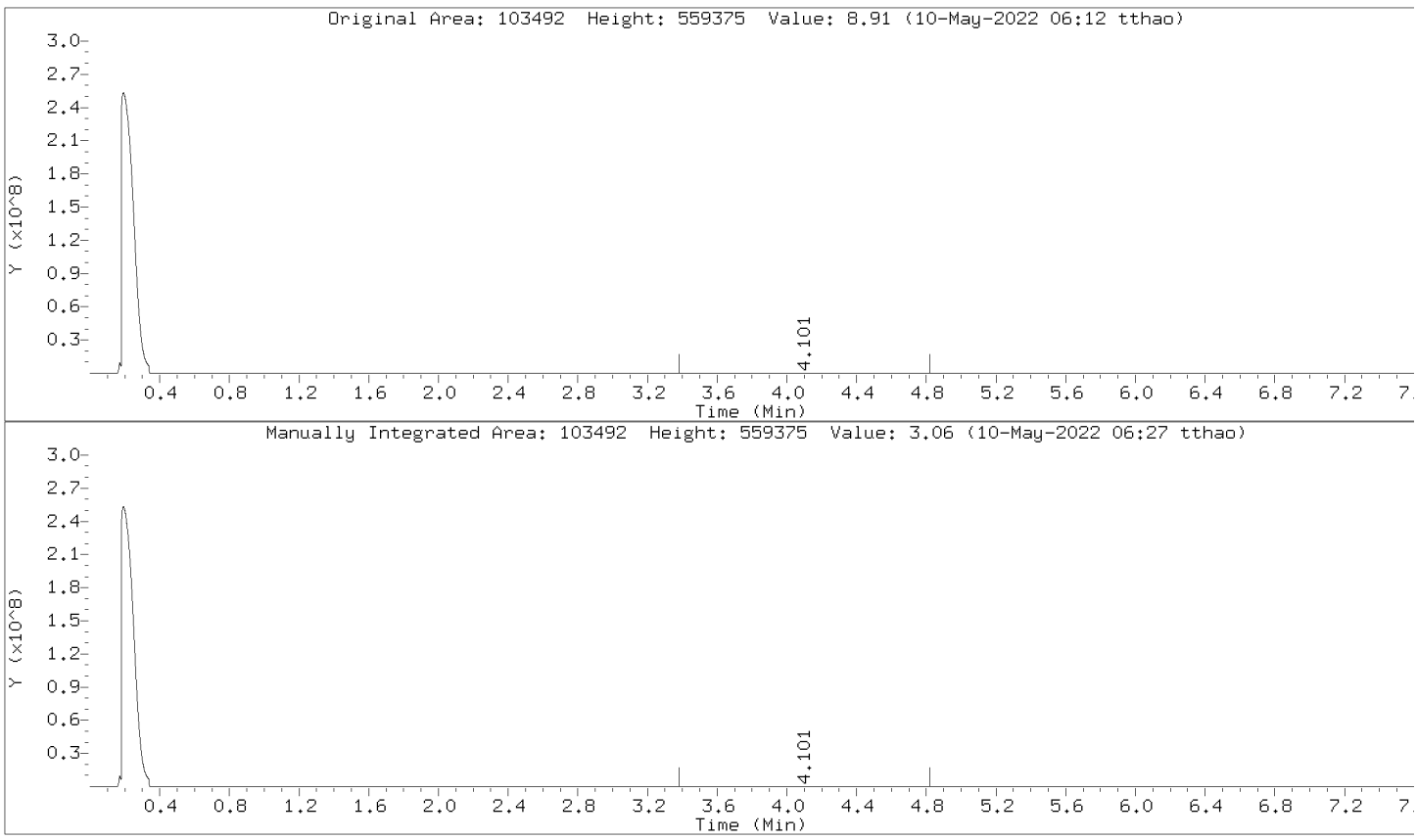
10606561

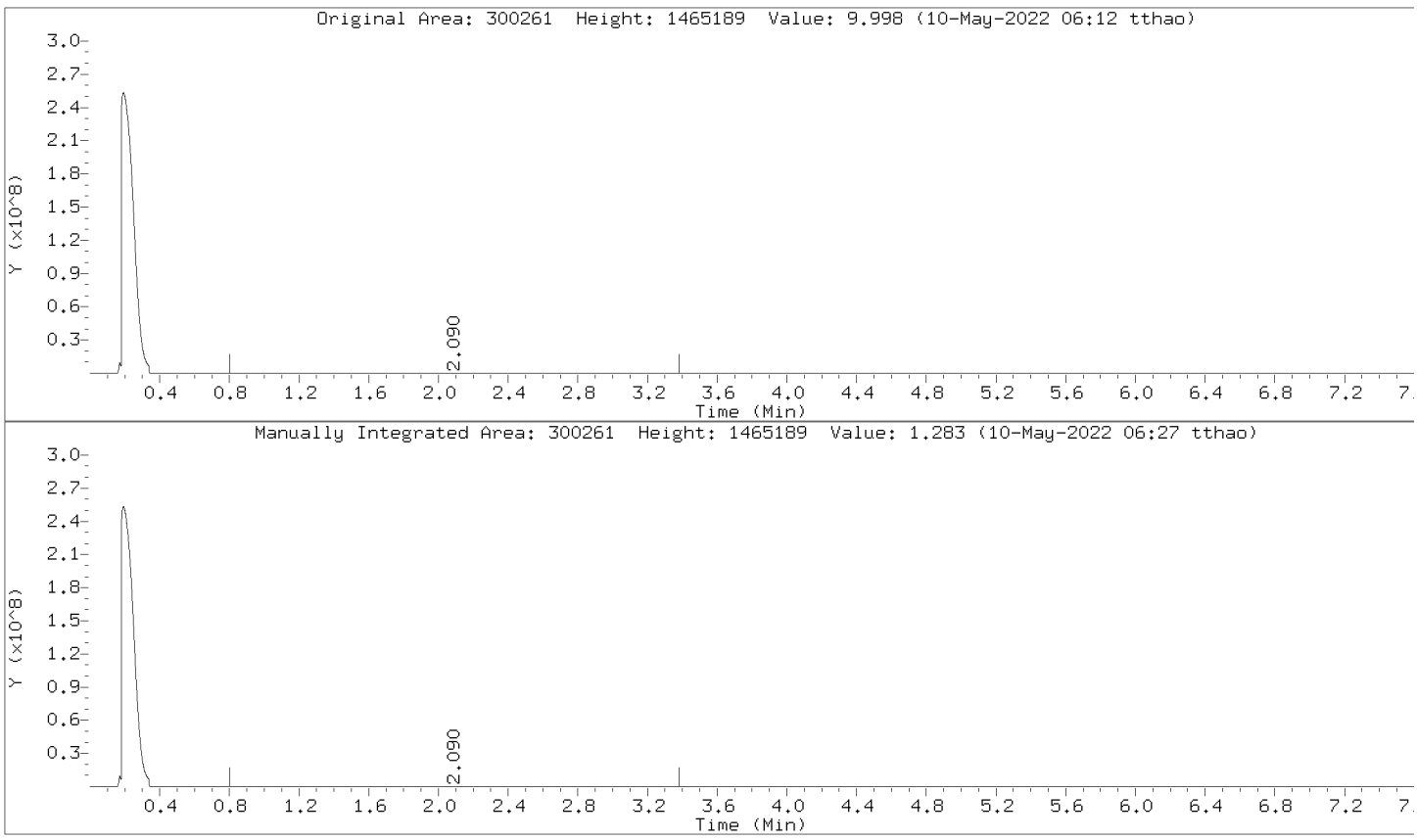
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



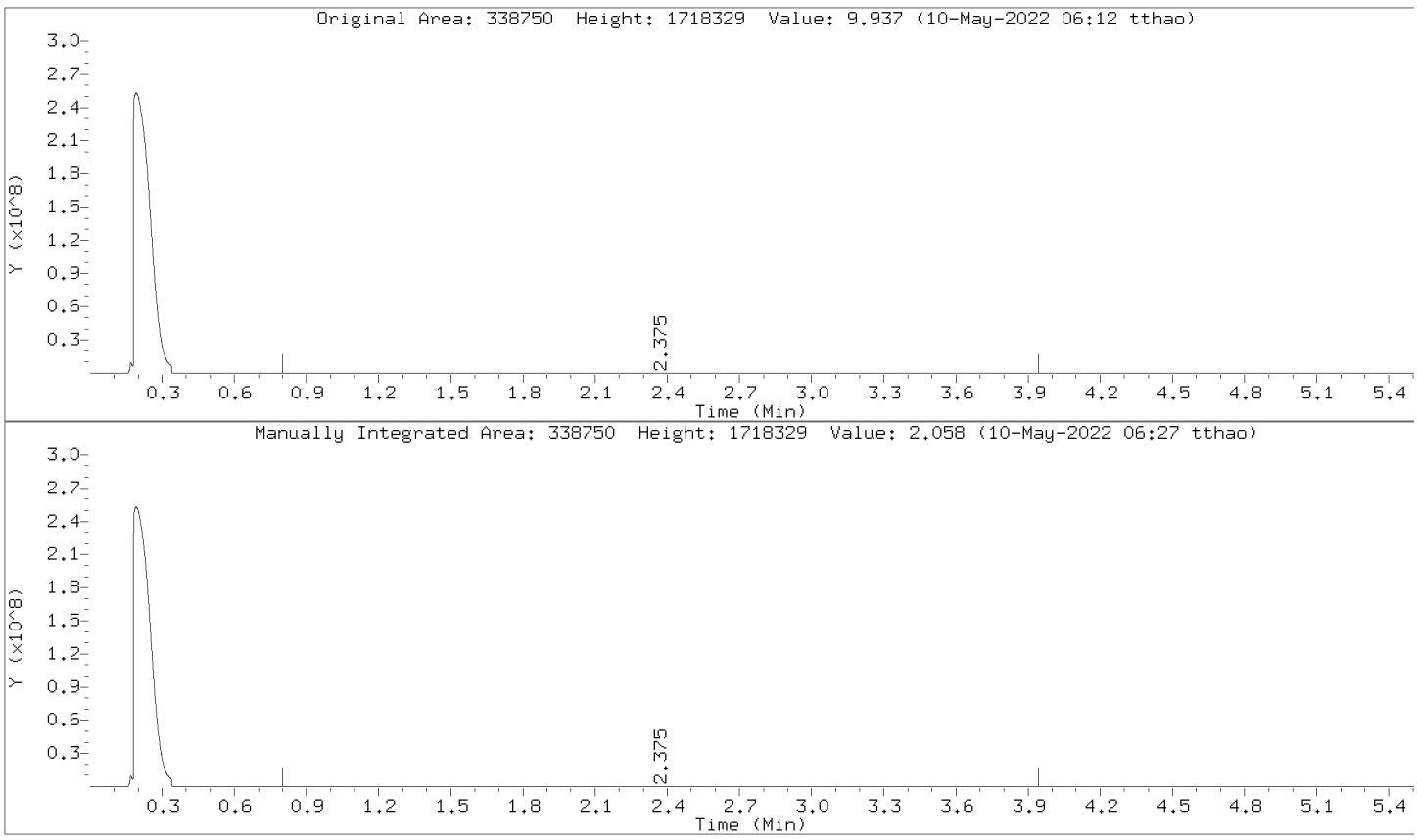
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



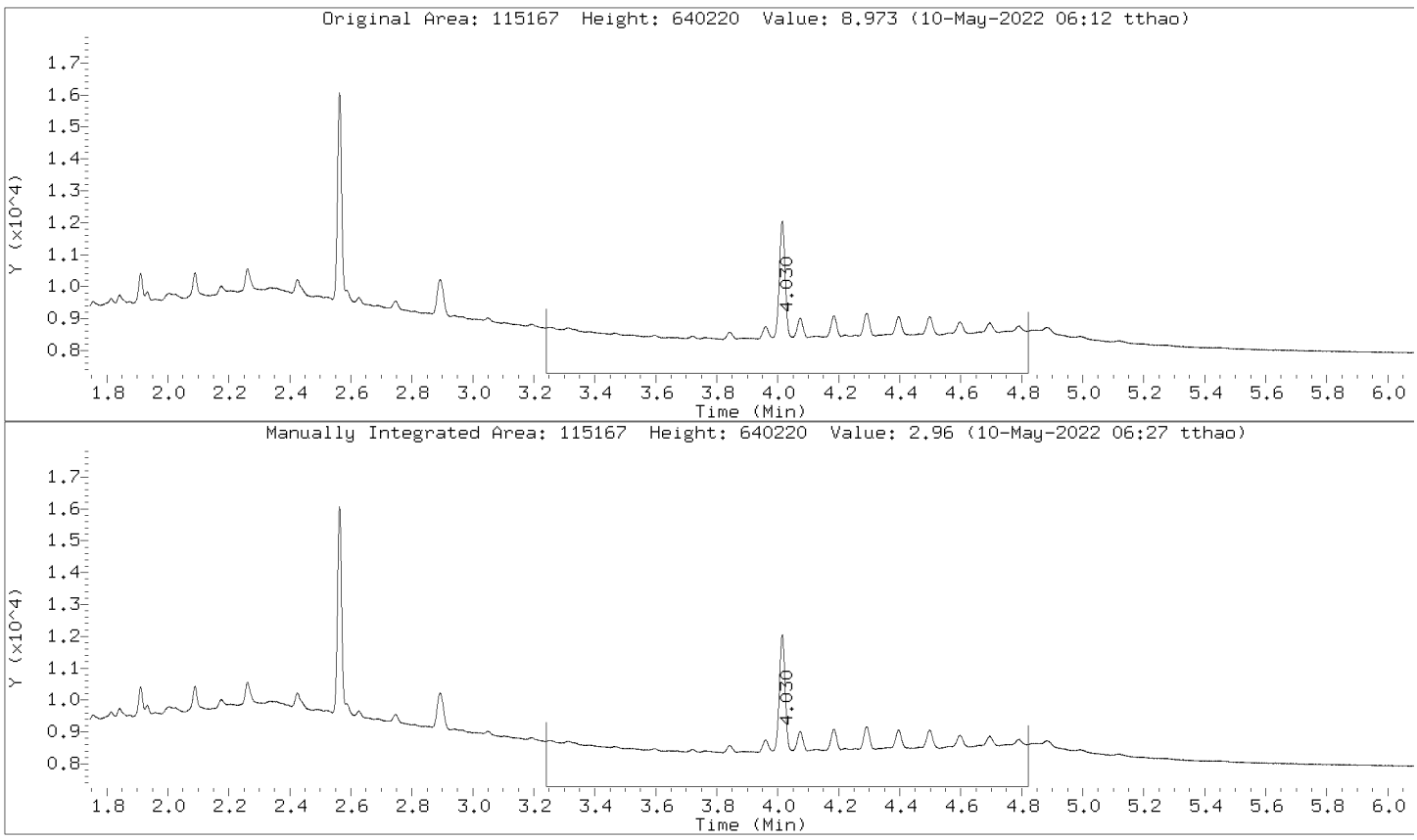
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



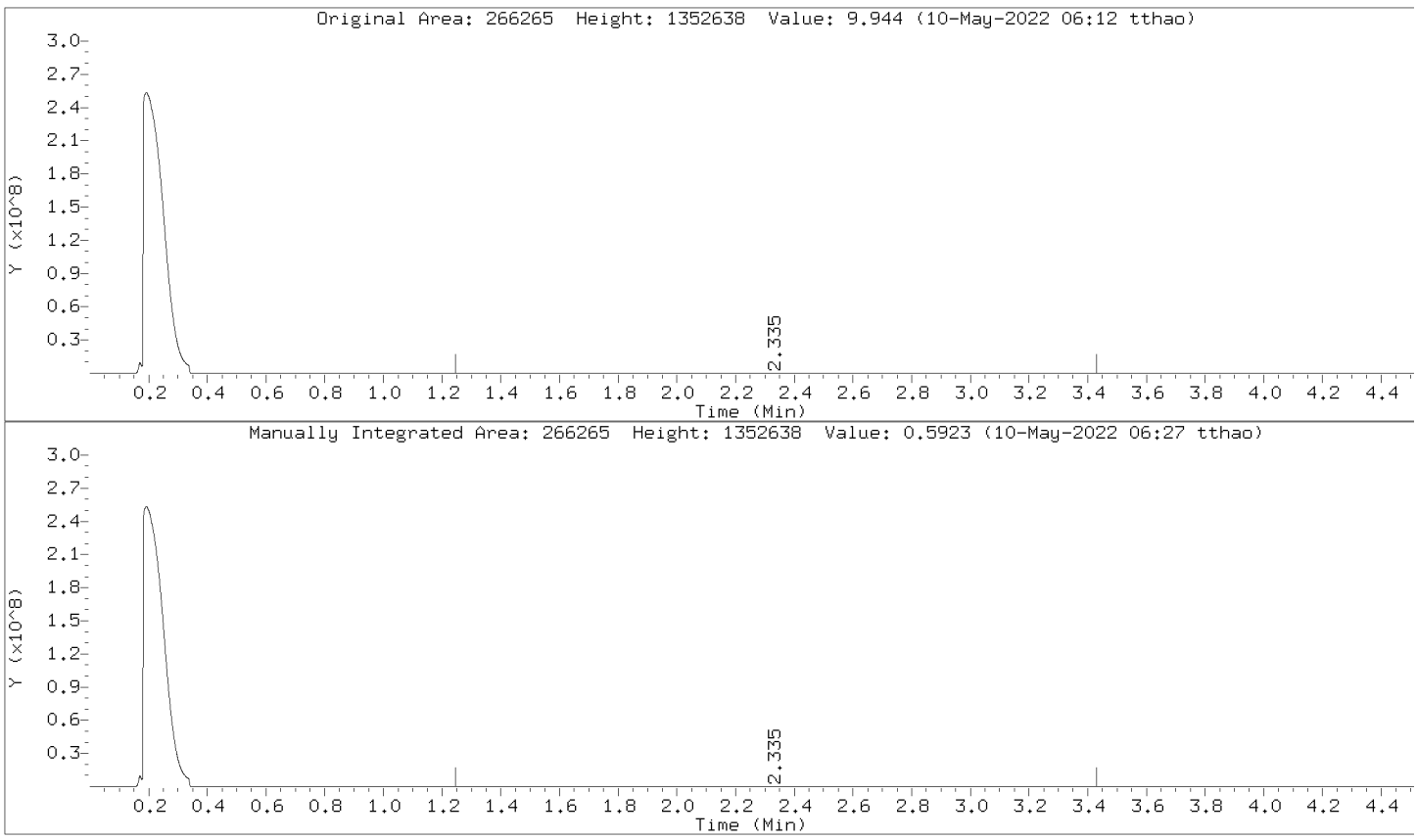
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



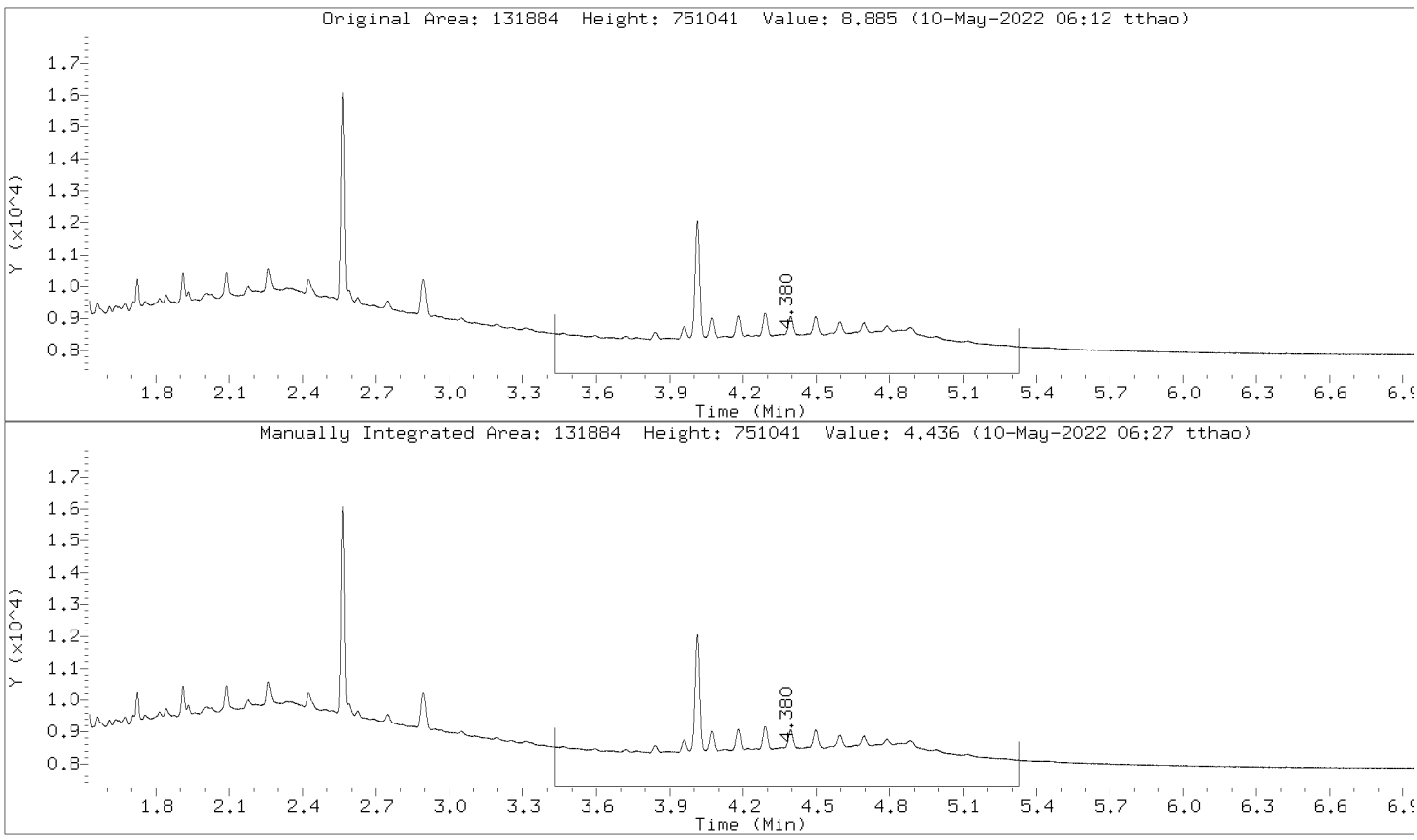
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



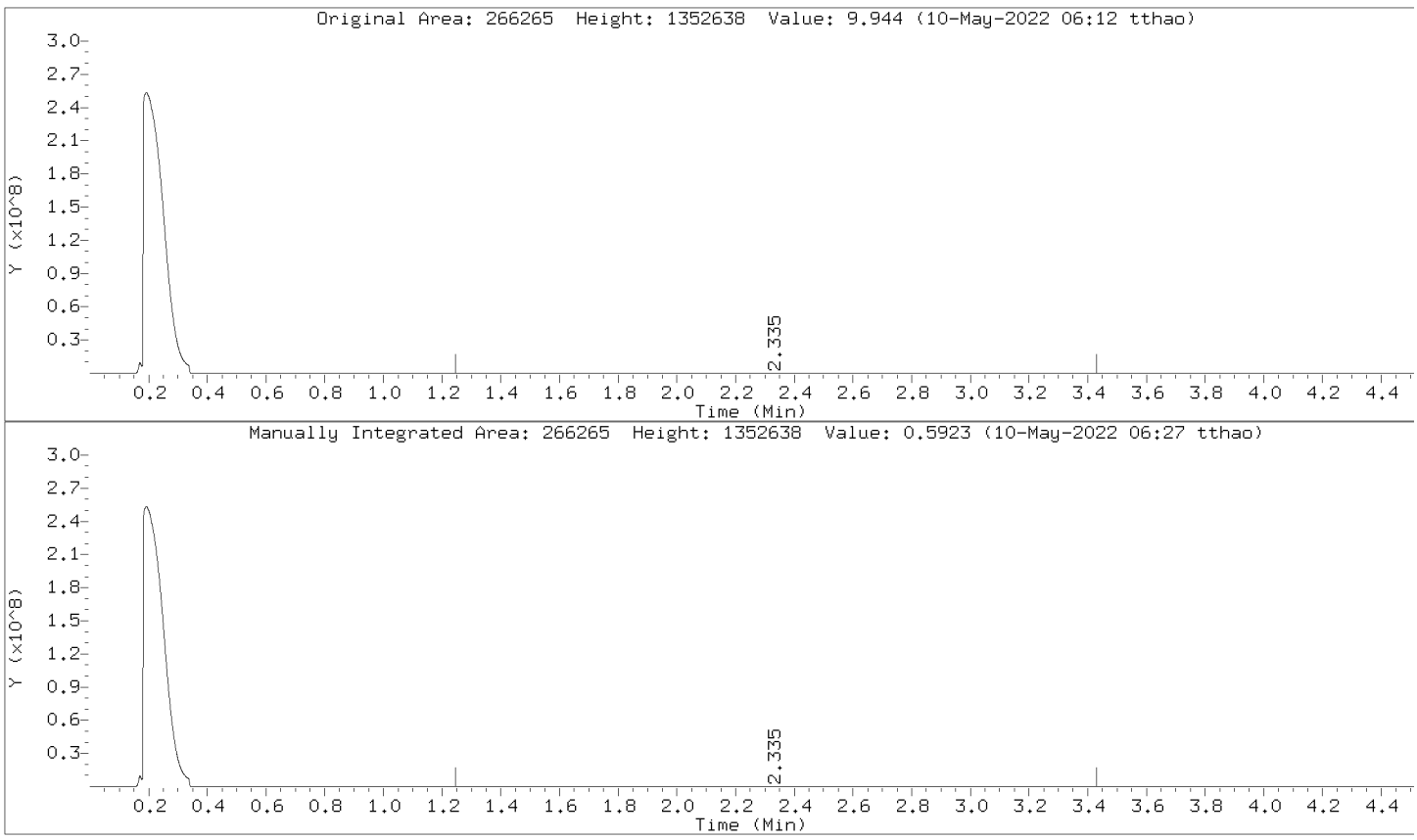
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



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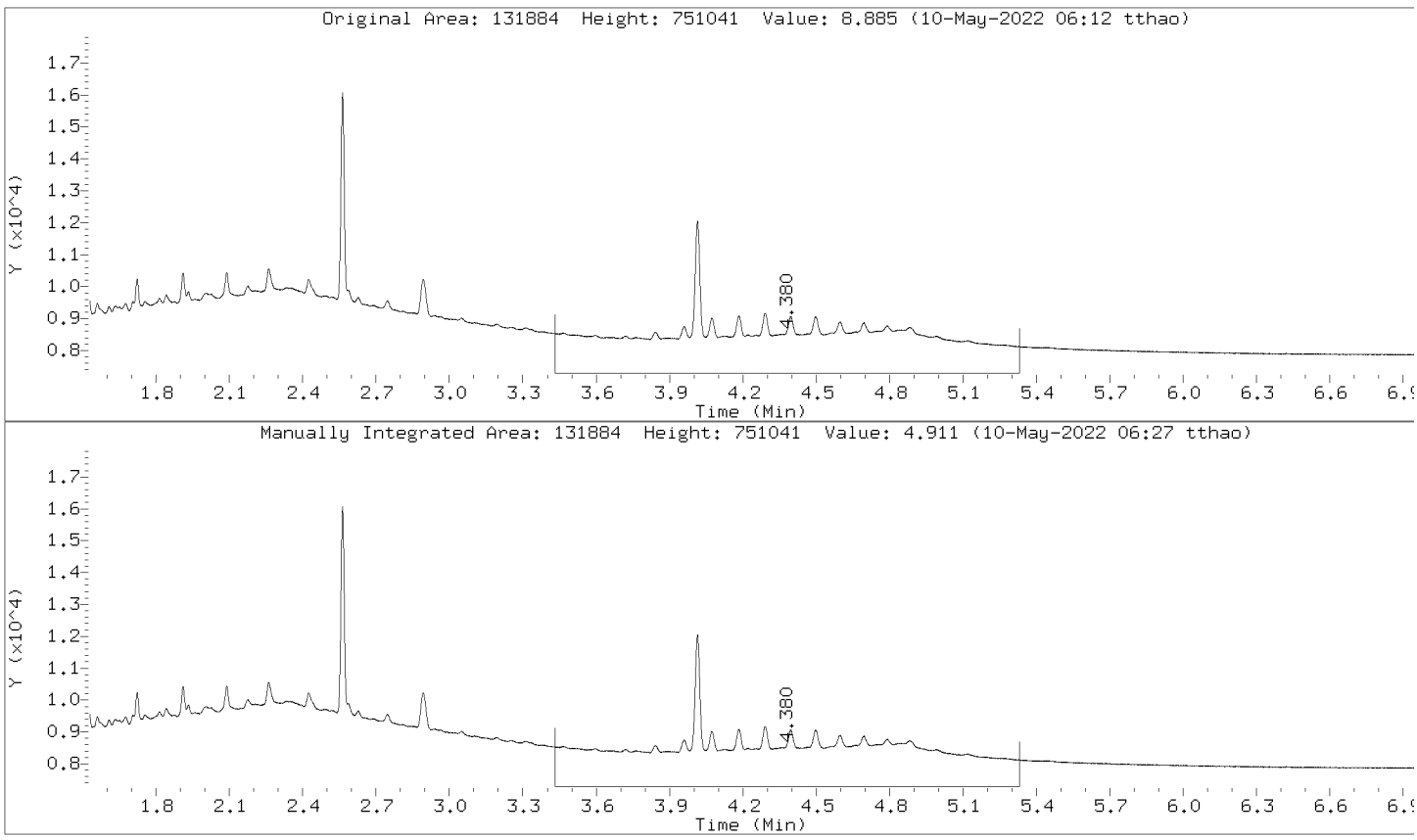
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



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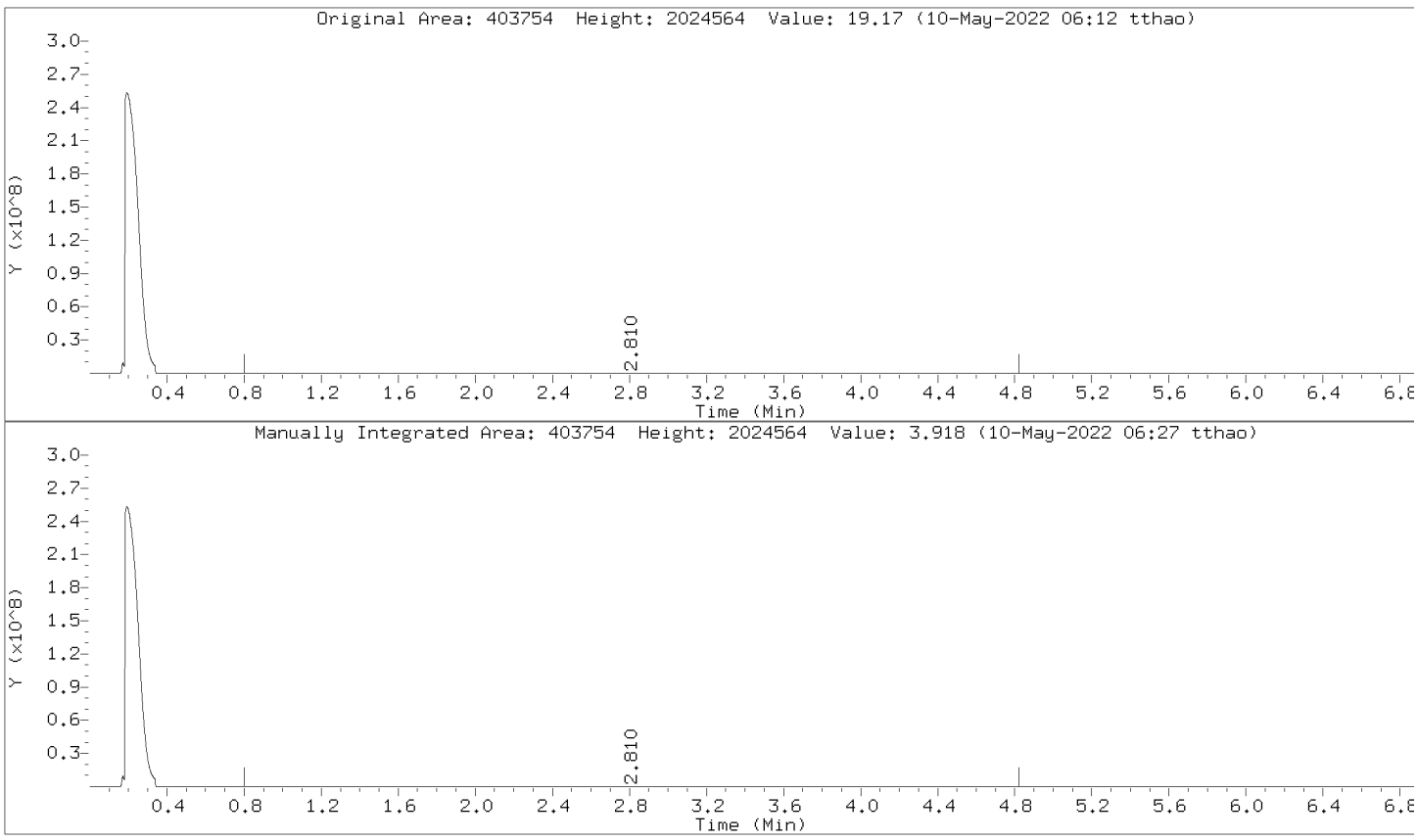
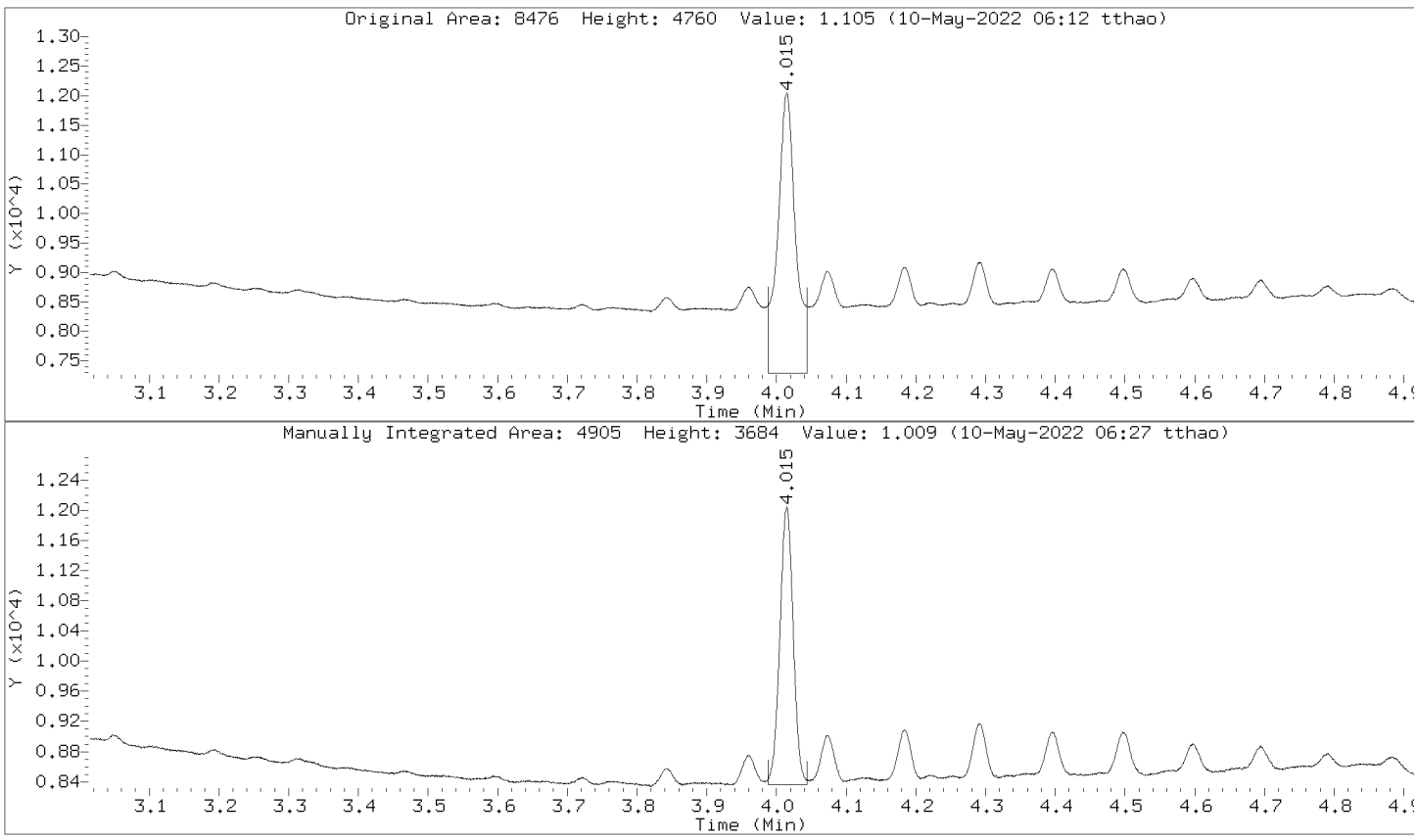
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: C10-C36 Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



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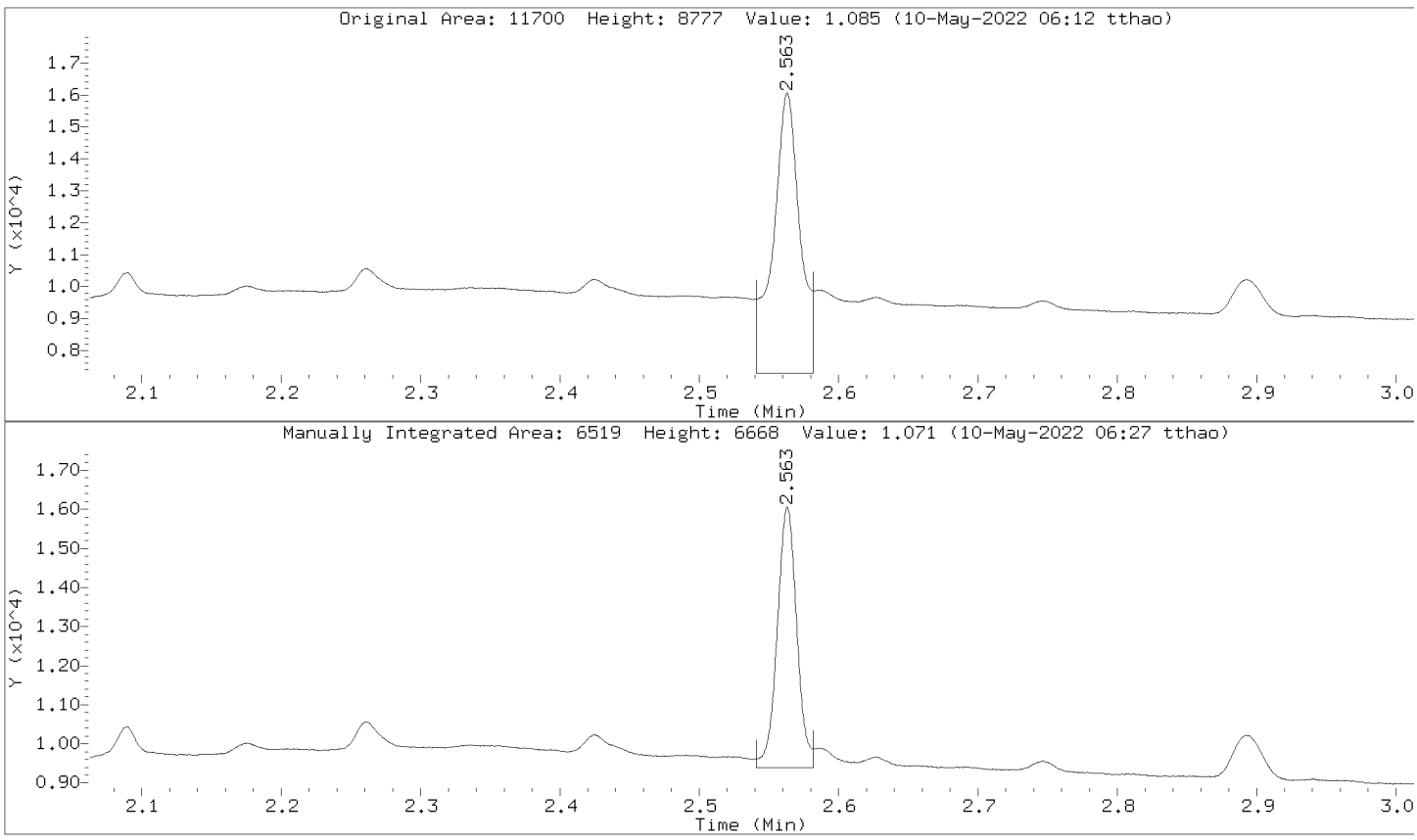
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	103492	103492
DRO by AK 102	300261	300261
TPH-DRO (C10-C28)	338750	338750
Motor Oil Range (C24-C36)	115167	115167
Diesel Fuel Range	266265	266265
Motor Oil Range	131884	131884
Diesel Fuel Range SG	266265	266265
Motor Oil Range SG	131884	131884
C10-C36	403754	403754
n-Triacontane (S)	8476	4905
o-Terphenyl (S)	11700	6519

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000026.D
Lab Smp Id: DMO-CAL3,364981:2 Client Smp ID: DMO-CAL3,364981:2
Inj Date : 09-MAY-2022 15:43
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal3,364981:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		389510	25.0000	18.5	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.563	2.565	-0.002	15641	2.50000	2.57	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.015	4.017	-0.002	12598	2.50000	2.59	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		165785	25.0000	22.5	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		442147	25.0000	19.4	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		181686	25.0000	22.9	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		555295	50.0000	40.0	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		342102	25.0000	18.1	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		342102	25.0000	18.1	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		204704	25.0000	23.2	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		204704	25.0000	23.6	(M)	RNG

QC Flag Legend

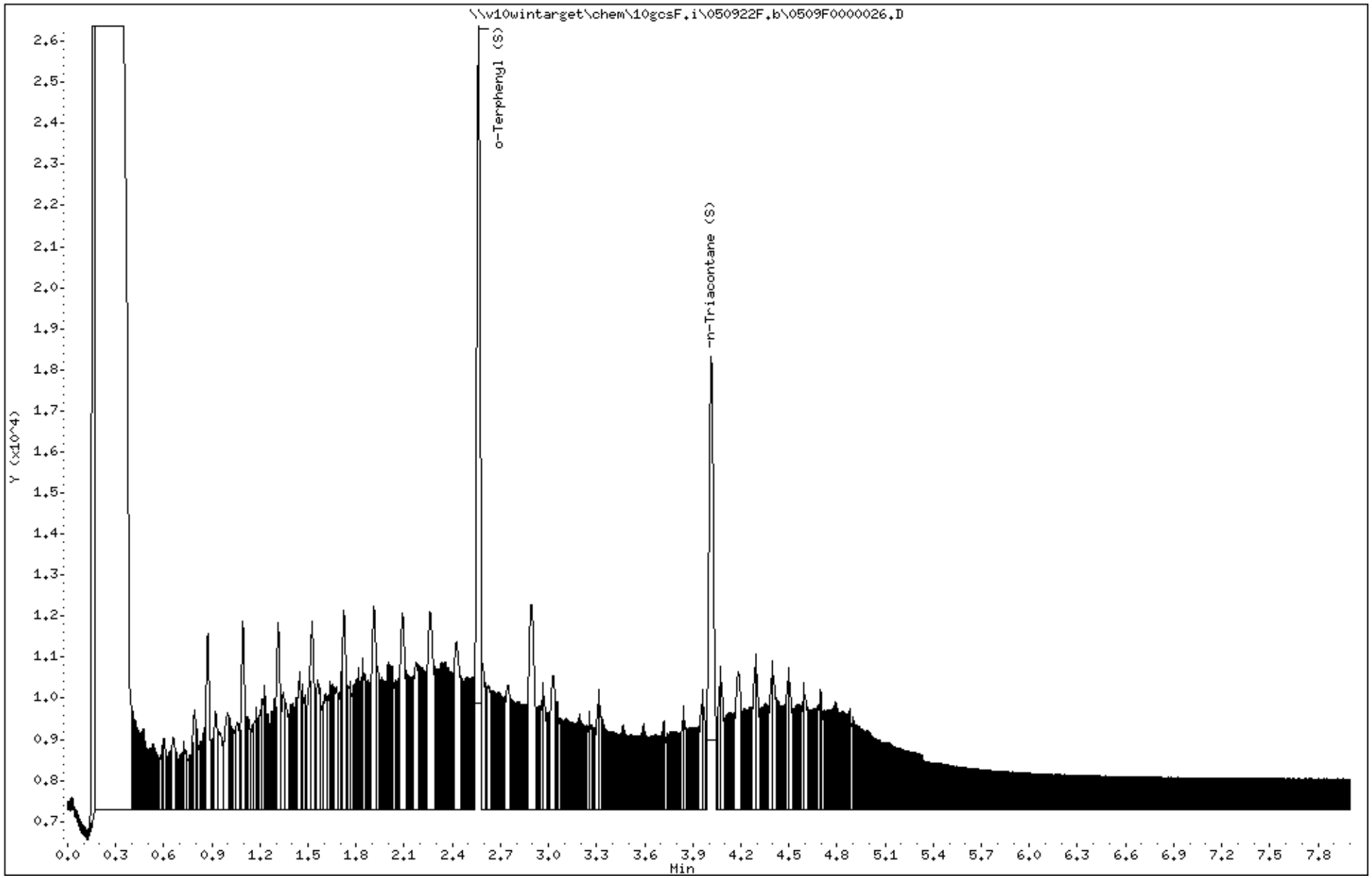
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000026.D
Date : 09-MAY-2022 15:43
Client ID: DMO-CAL3,364981:2
Sample Info: DMO-CAL3,364981:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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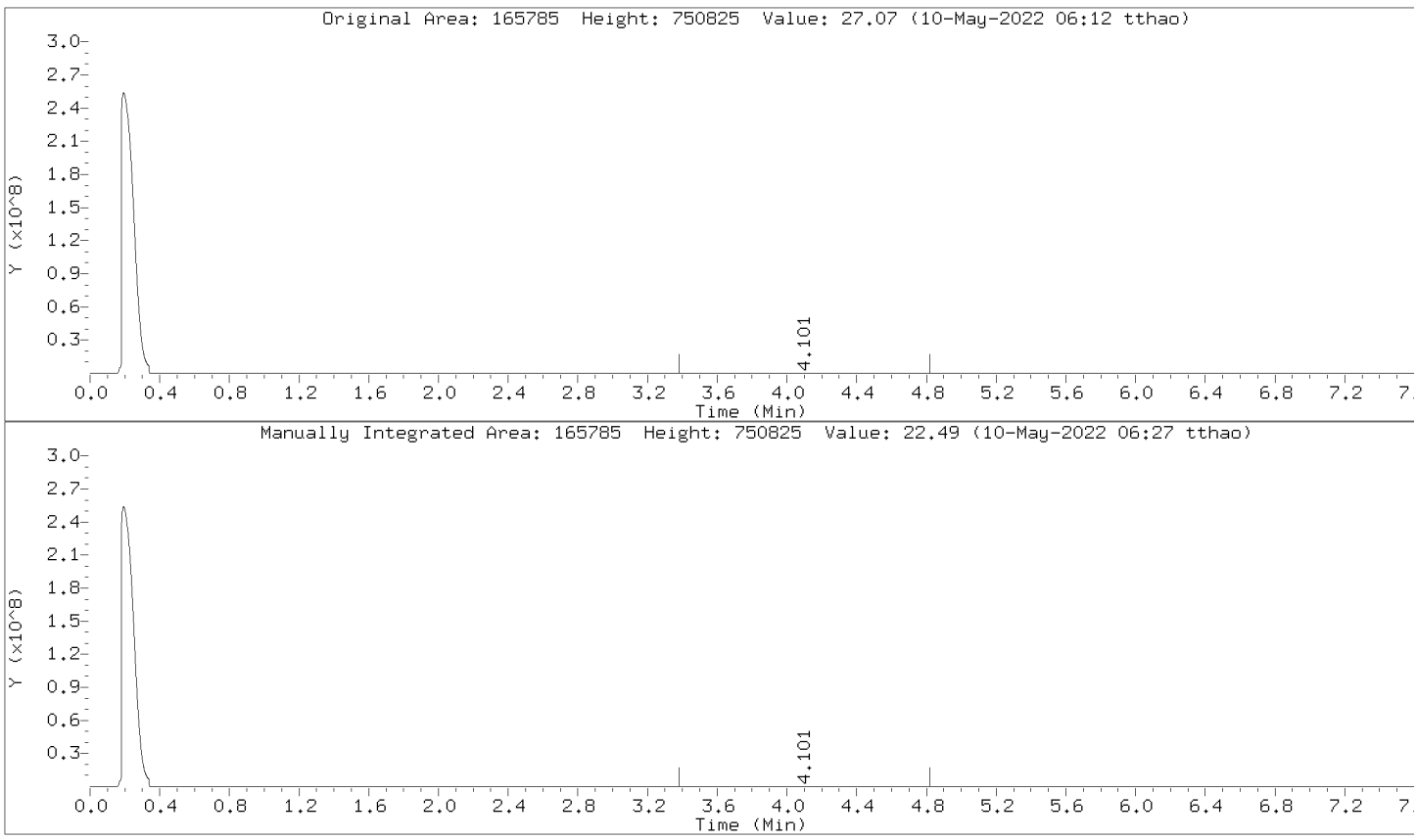
61 of 686
10606561

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



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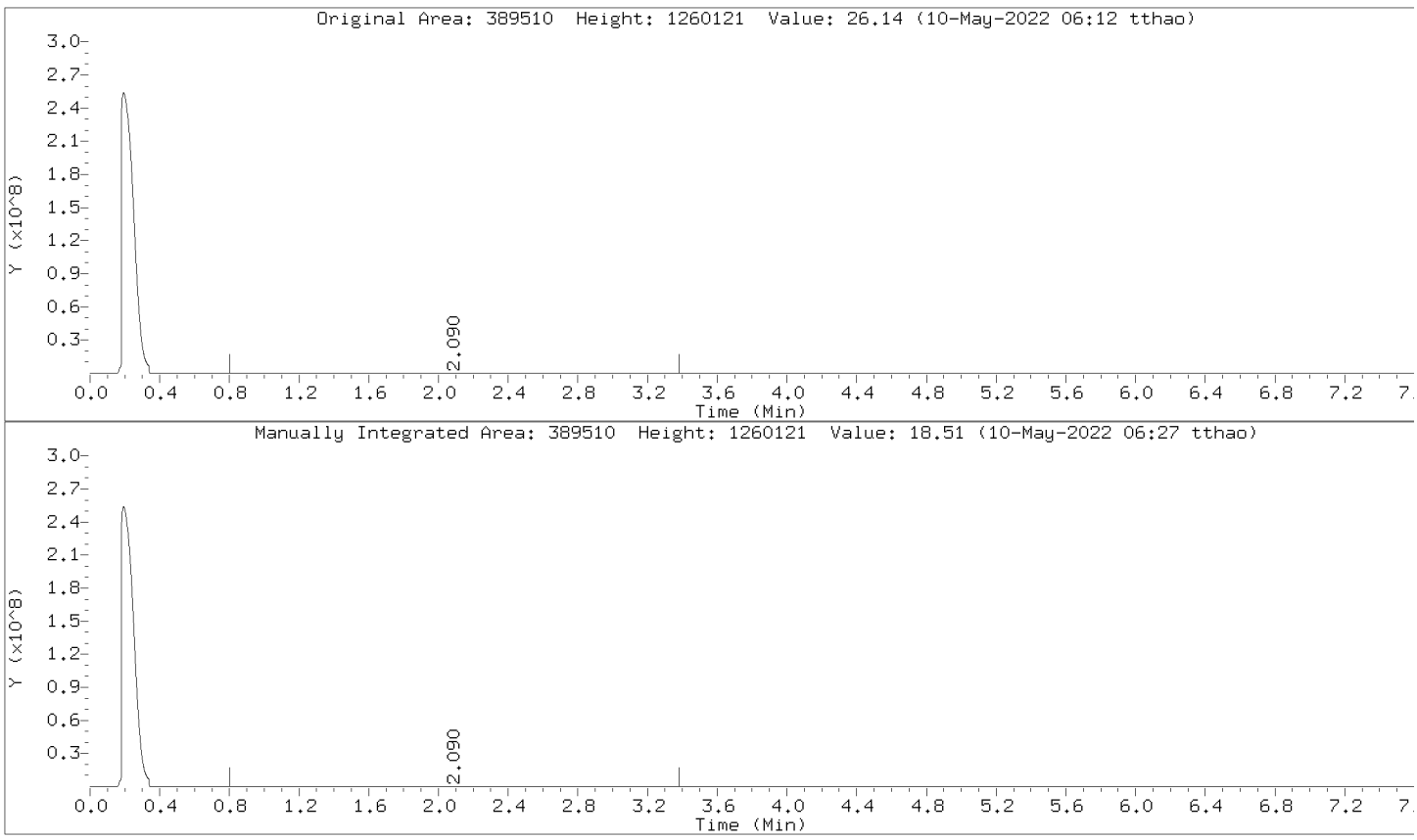
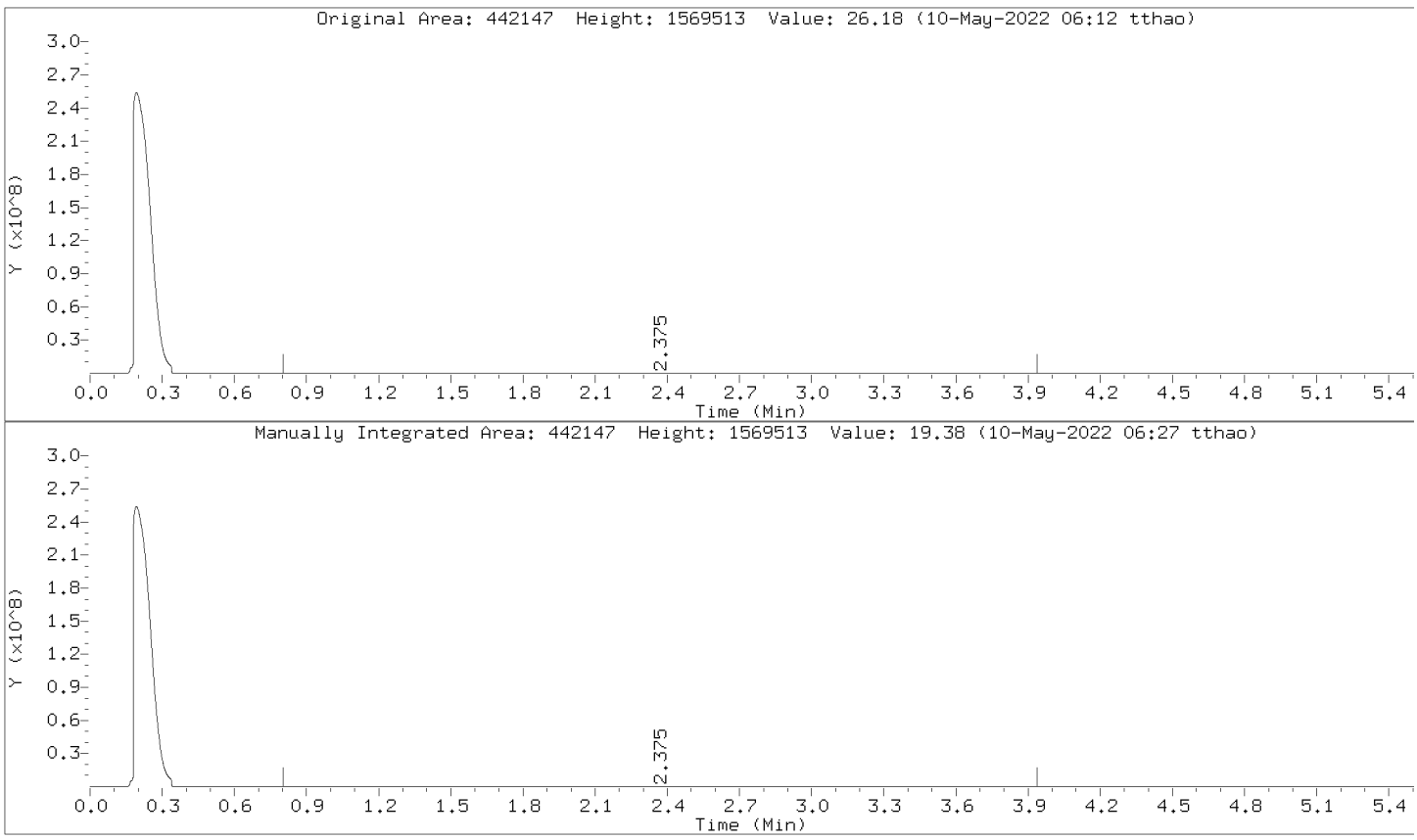
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



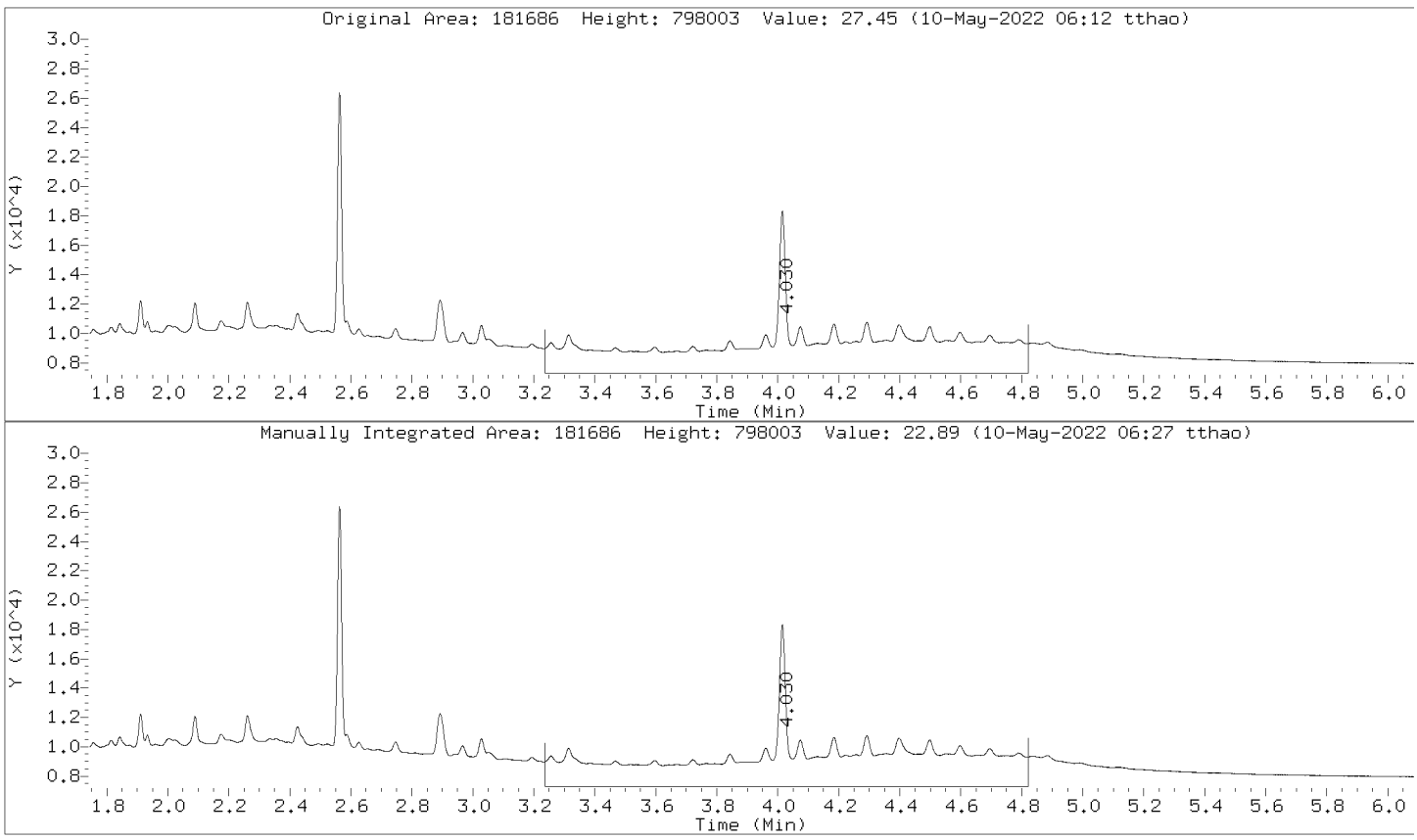
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



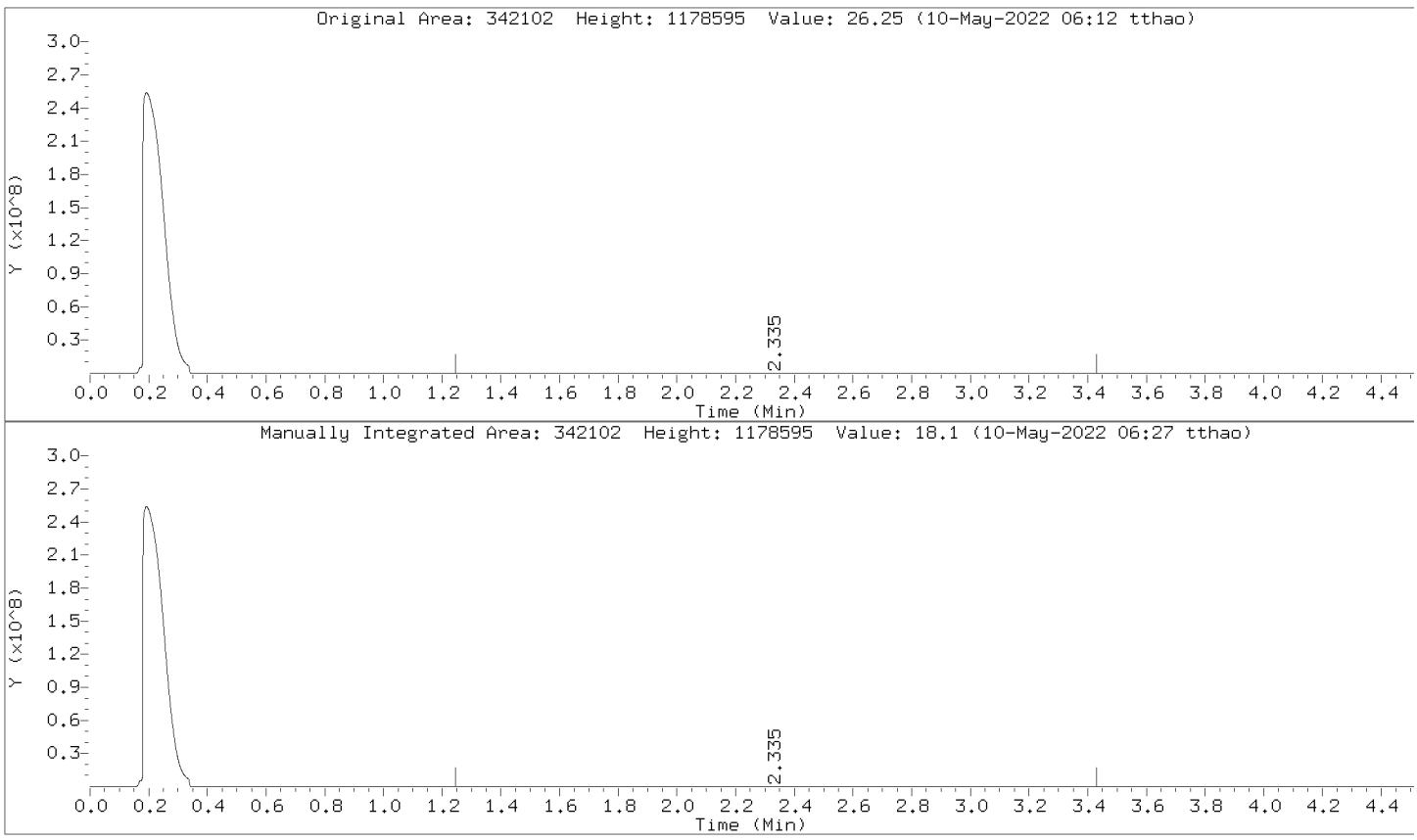
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



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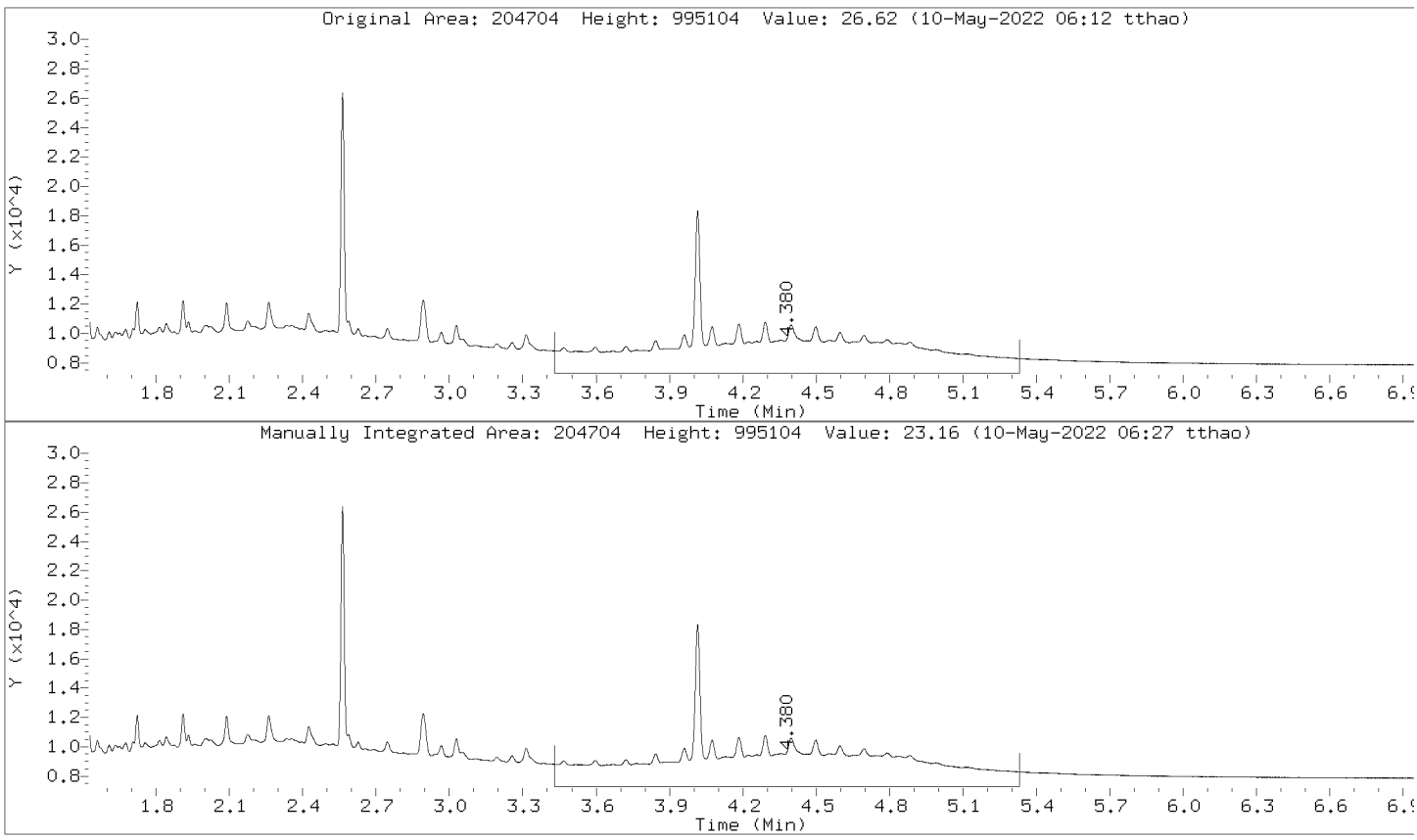
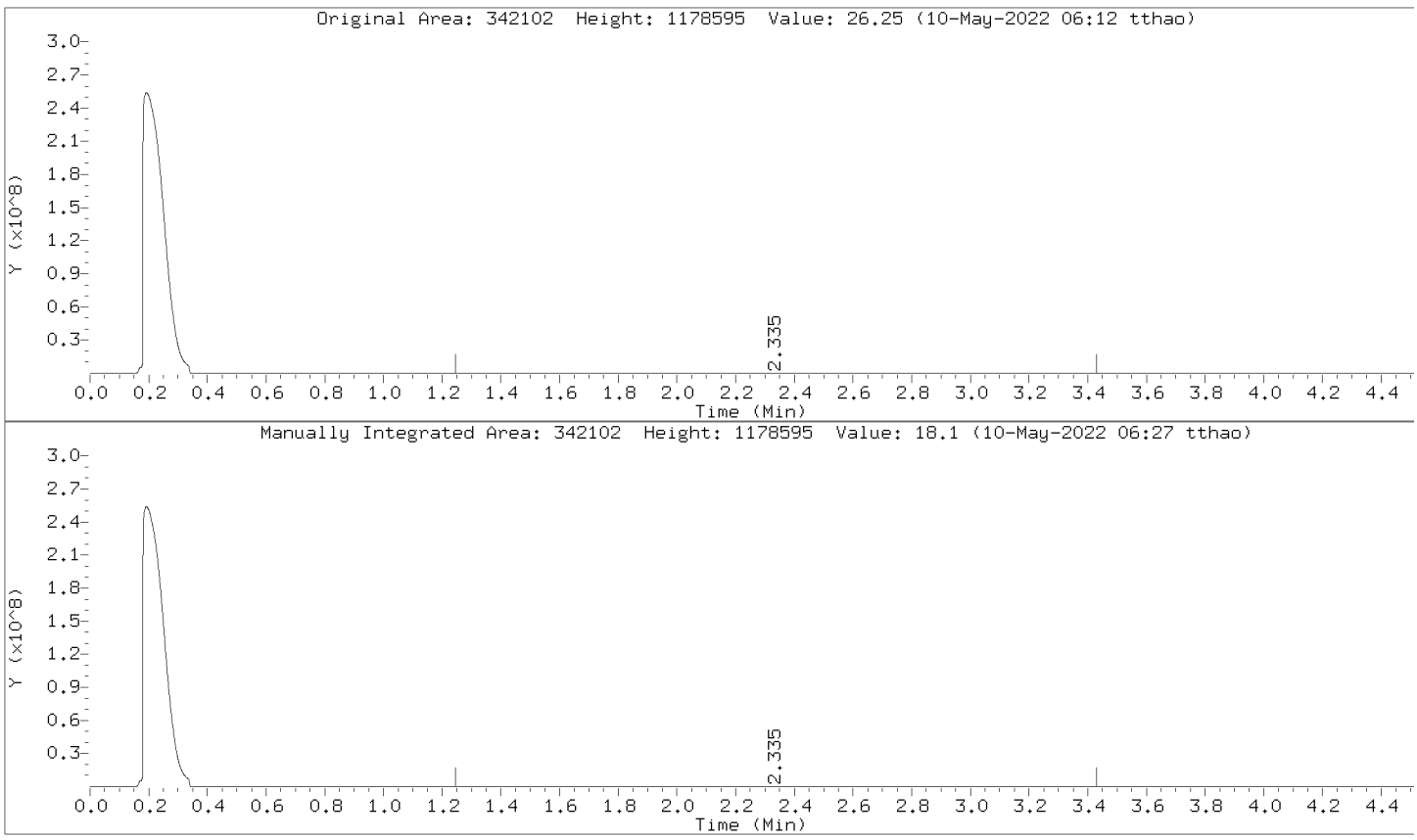
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



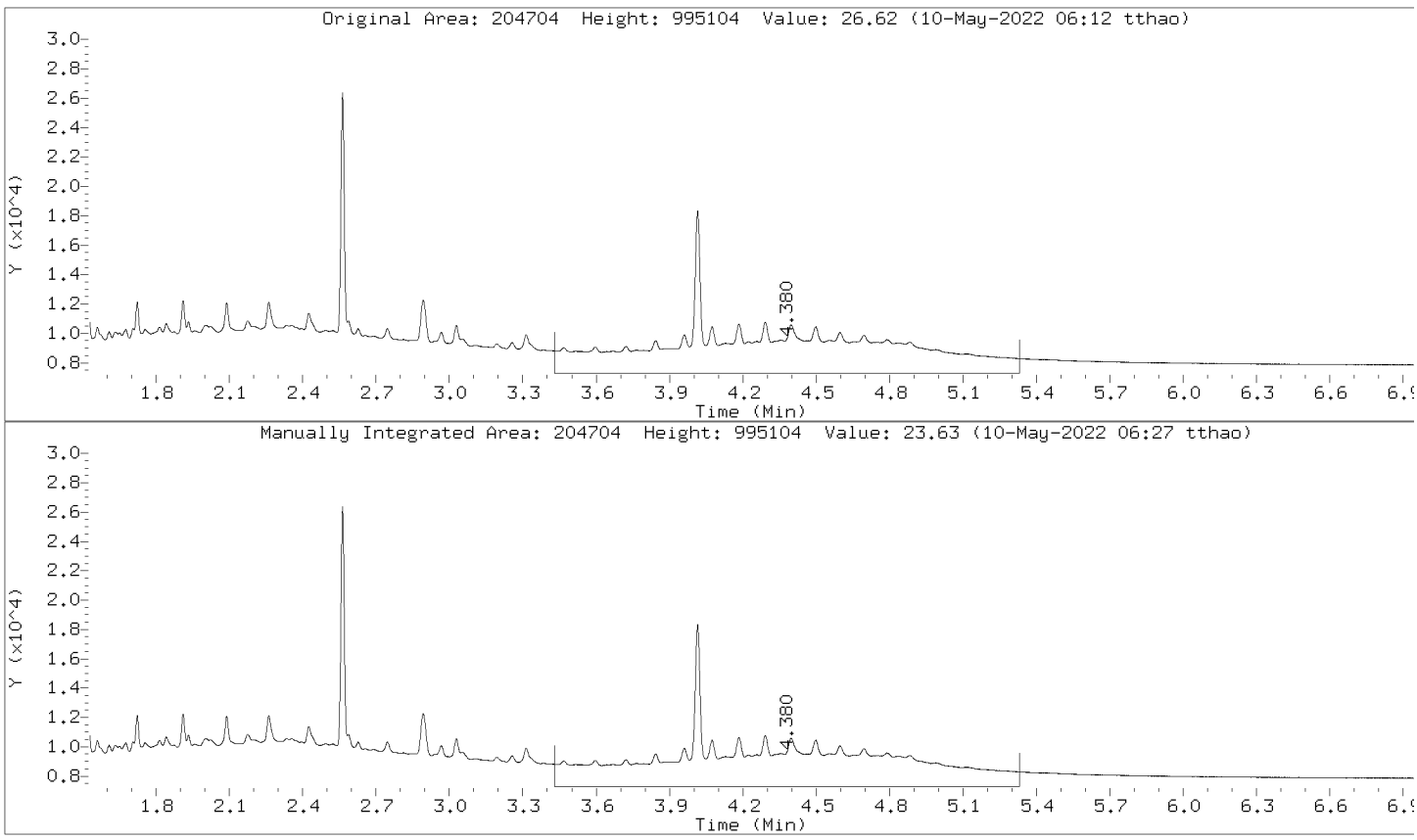
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



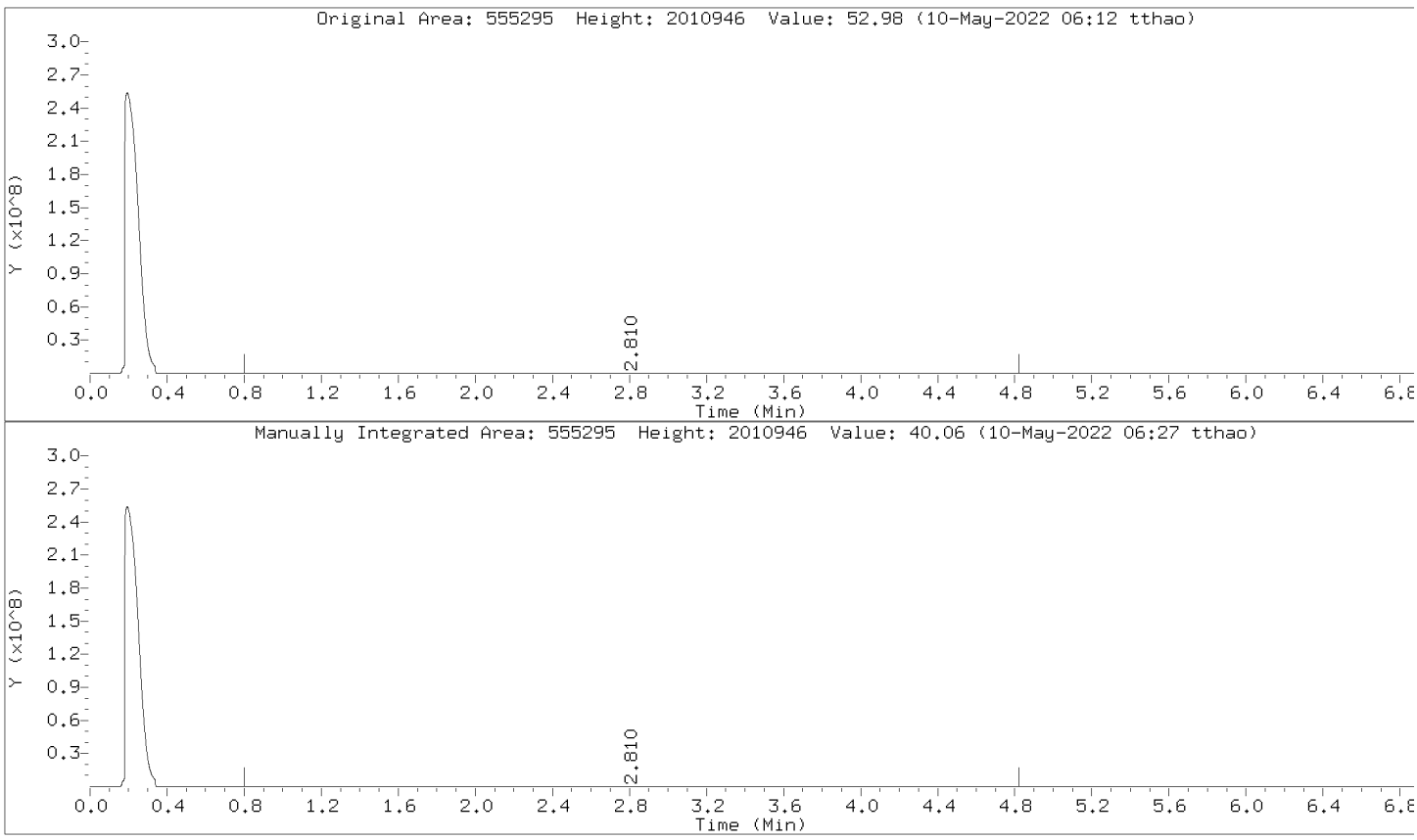
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



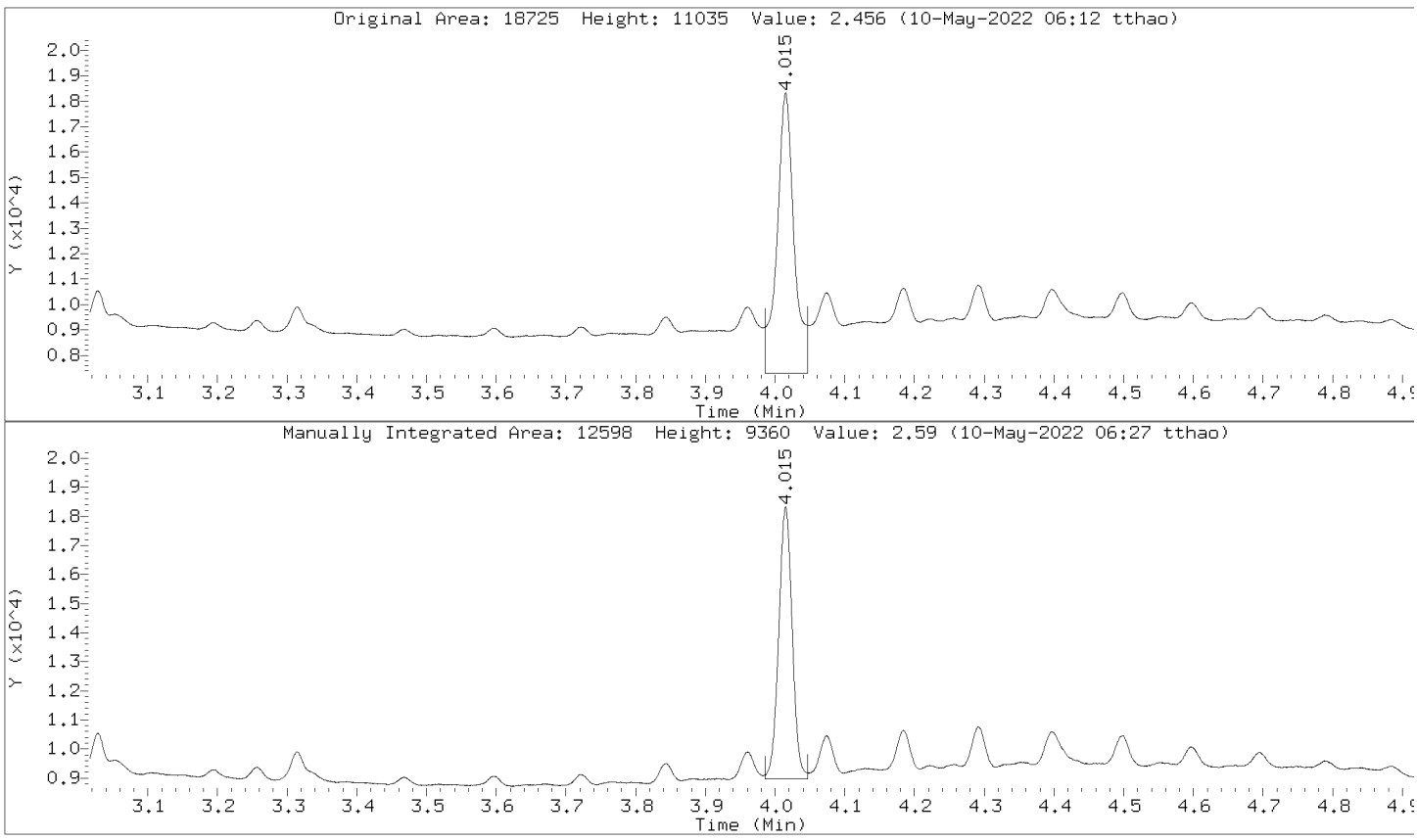
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: C10-C36 Review Code: RNG
CAS Number:



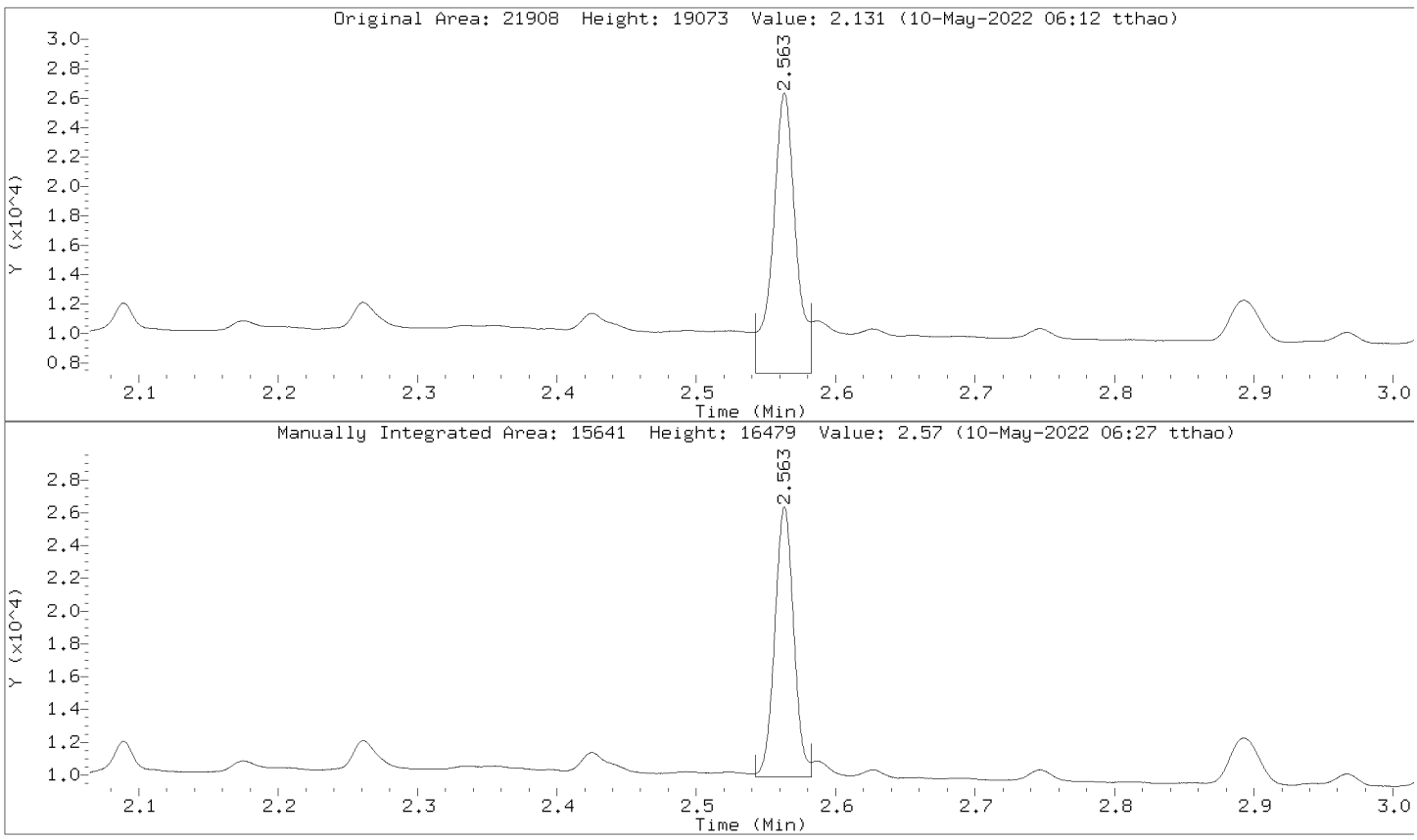
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	165785	165785
DRO by AK 102	389510	389510
TPH-DRO (C10-C28)	442147	442147
Motor Oil Range (C24-C36)	181686	181686
Diesel Fuel Range	342102	342102
Motor Oil Range	204704	204704
Diesel Fuel Range SG	342102	342102
Motor Oil Range SG	204704	204704
C10-C36	555295	555295
n-Triacontane (S)	18725	12598
o-Terphenyl (S)	21908	15641

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000027.D
Lab Smp Id: DMO-CAL4,364982:2 Client Smp ID: DMO-CAL4,364982:2
Inj Date : 09-MAY-2022 15:54
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal4,364982:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)		REVIEW CODE
S 1	DRO by AK 102					CAS #:		
	0.800 - 3.380			517634	50.0000	43.2	(M)	RNG
$ 2	o-Terphenyl (S)					CAS #:		
	2.563	2.565	-0.002	30411	5.00000	5.00	(M)	BA
$ 3	n-Triacontane (S)					CAS #:		
	4.014	4.017	-0.003	24771	5.00000	5.09	(M)	BA
S 4	Residual Range Organics AK103					CAS #:		
	3.381 - 4.820			234087	50.0000	43.8	(M)	RNG
S 5	TPH-DRO (C10-C28)					CAS #:		
	0.800 - 3.950			589190	50.0000	44.0	(M)	RNG
S 6	Motor Oil Range (C24-C36)					CAS #:		
	3.240 - 4.820			251409	50.0000	43.8	(M)	RNG
S 7	C10-C36					CAS #:		
	0.800 - 4.820			751878	100.000	86.9	(M)	RNG
S 8	Diesel Fuel Range					CAS #:		
	1.240 - 3.430			448600	50.0000	42.7	(M)	RNG
S 9	Diesel Fuel Range SG					CAS #:		
	1.240 - 3.430			448600	50.0000	42.7	(M)	RNG
S 10	Motor Oil Range					CAS #:		
	3.431 - 5.330			289607	50.0000	45.0	(M)	RNG
S 11	Motor Oil Range SG					CAS #:		
	3.431 - 5.330			289607	50.0000	45.5	(M)	RNG

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

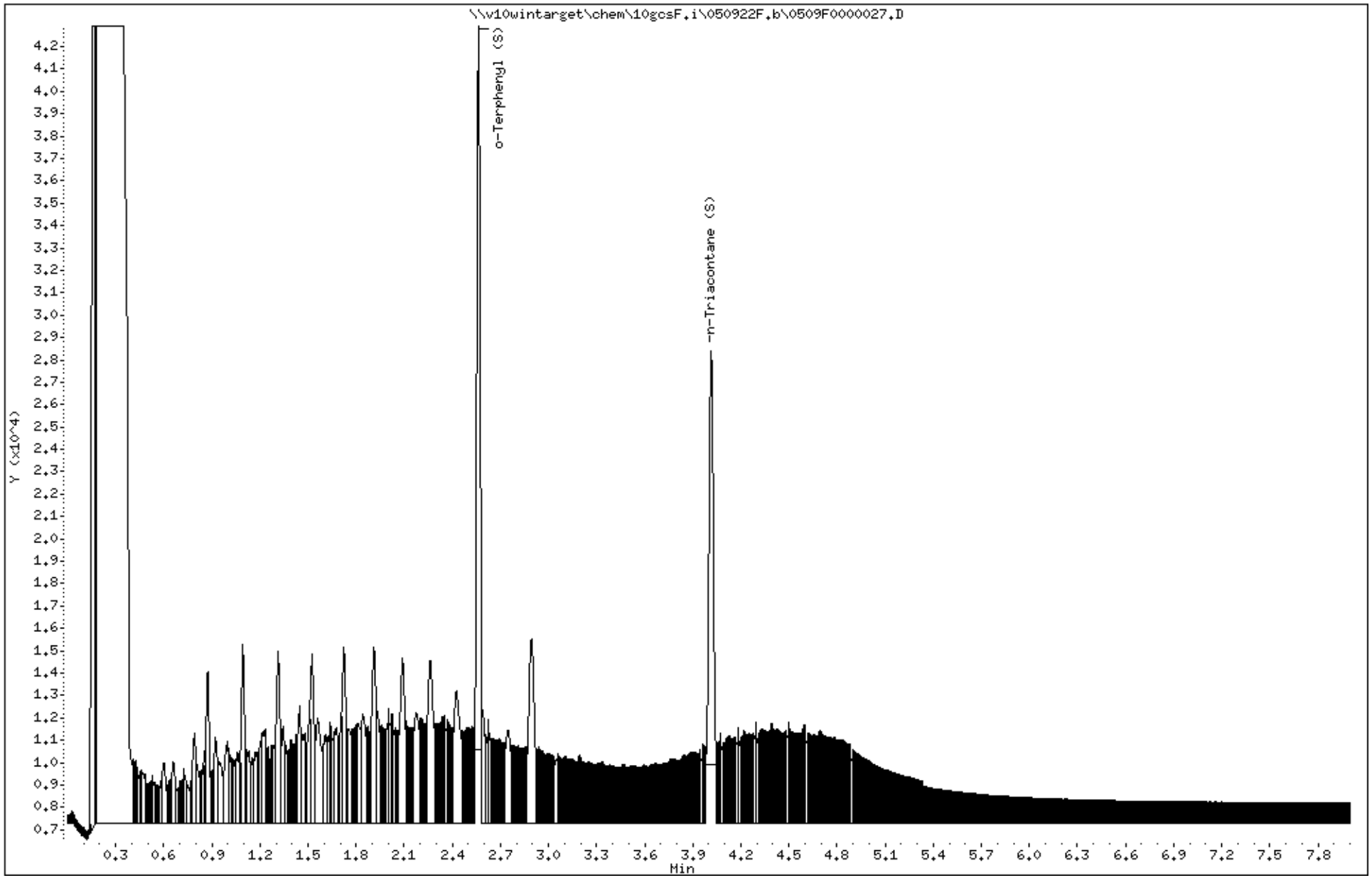
RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000027.D
Date : 09-MAY-2022 15:54
Client ID: DMO-CAL4,364982:2
Sample Info: DMO-CAL4,364982:2

Column phase: DB-5-US21390001

Instrument: 10gcsF.i

Operator: TT2
Column diameter: 0.32



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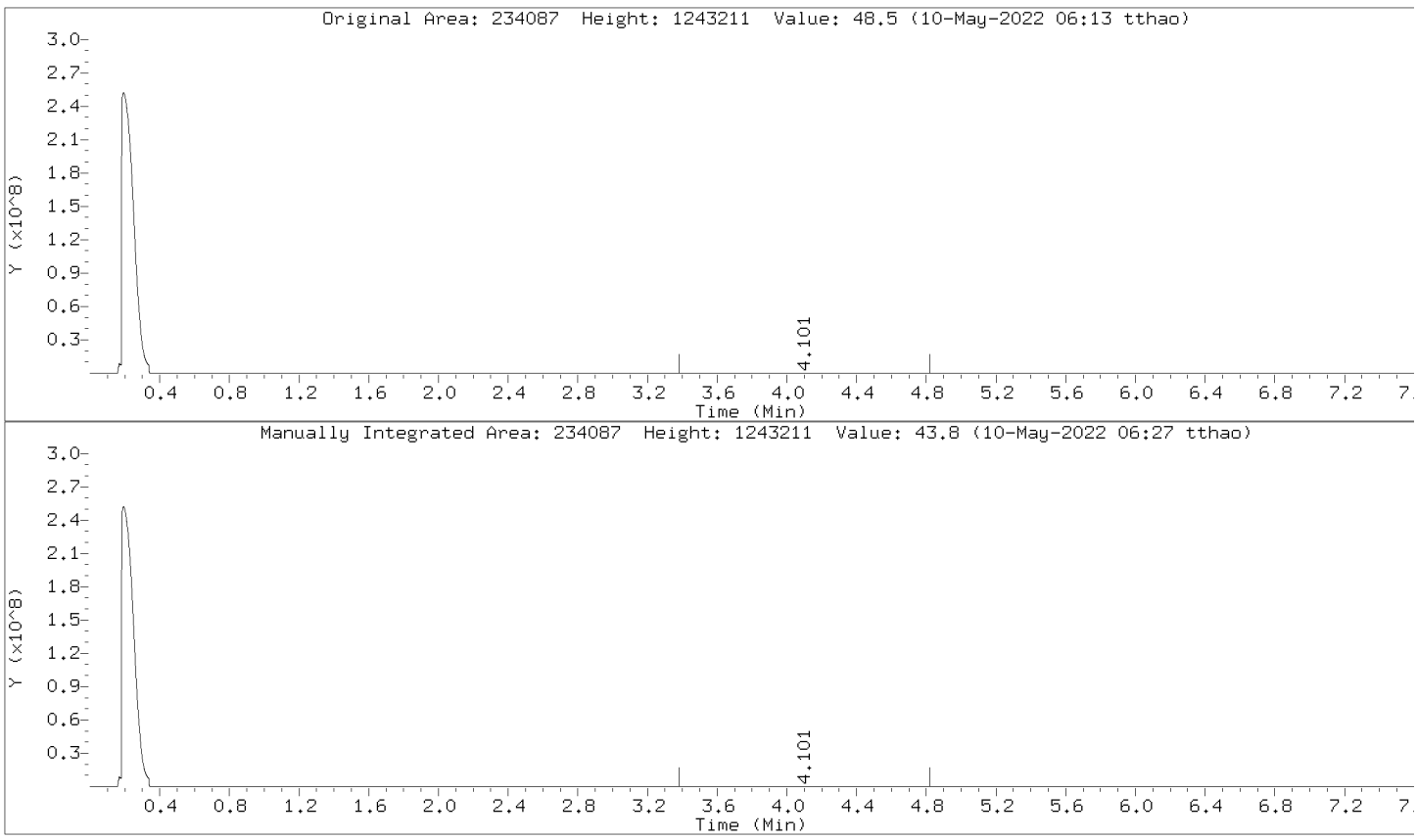
75 of 686
10606561

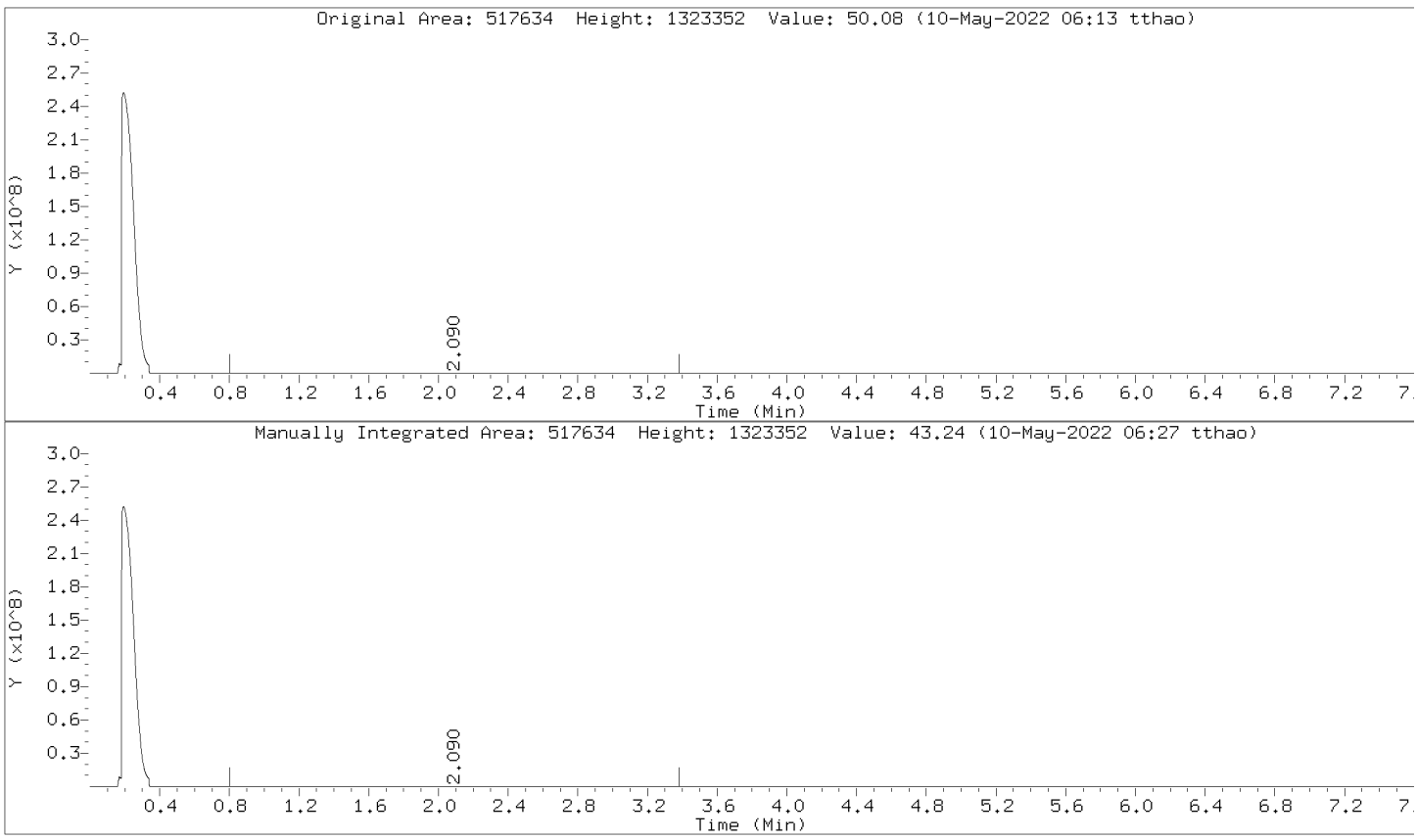
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



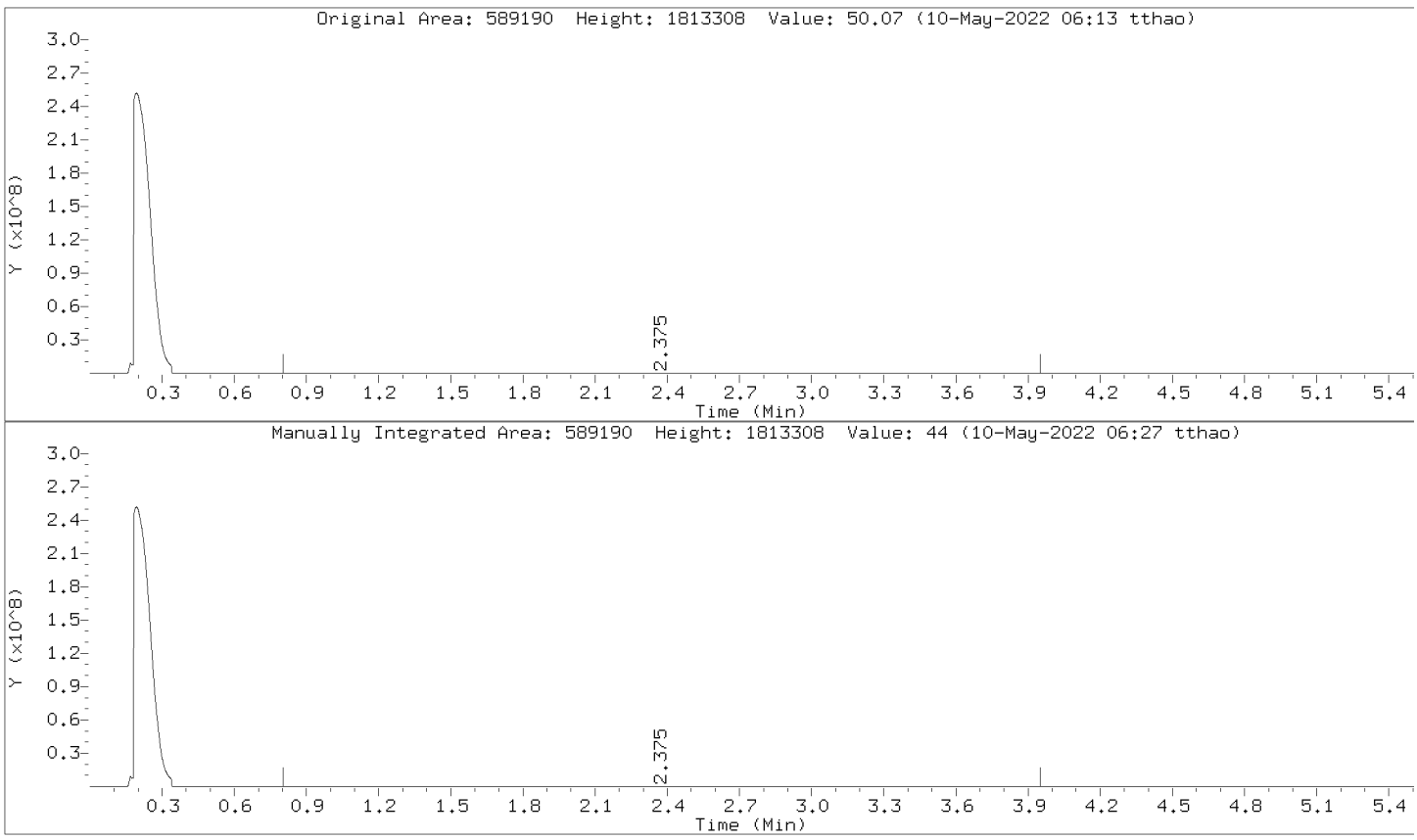
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



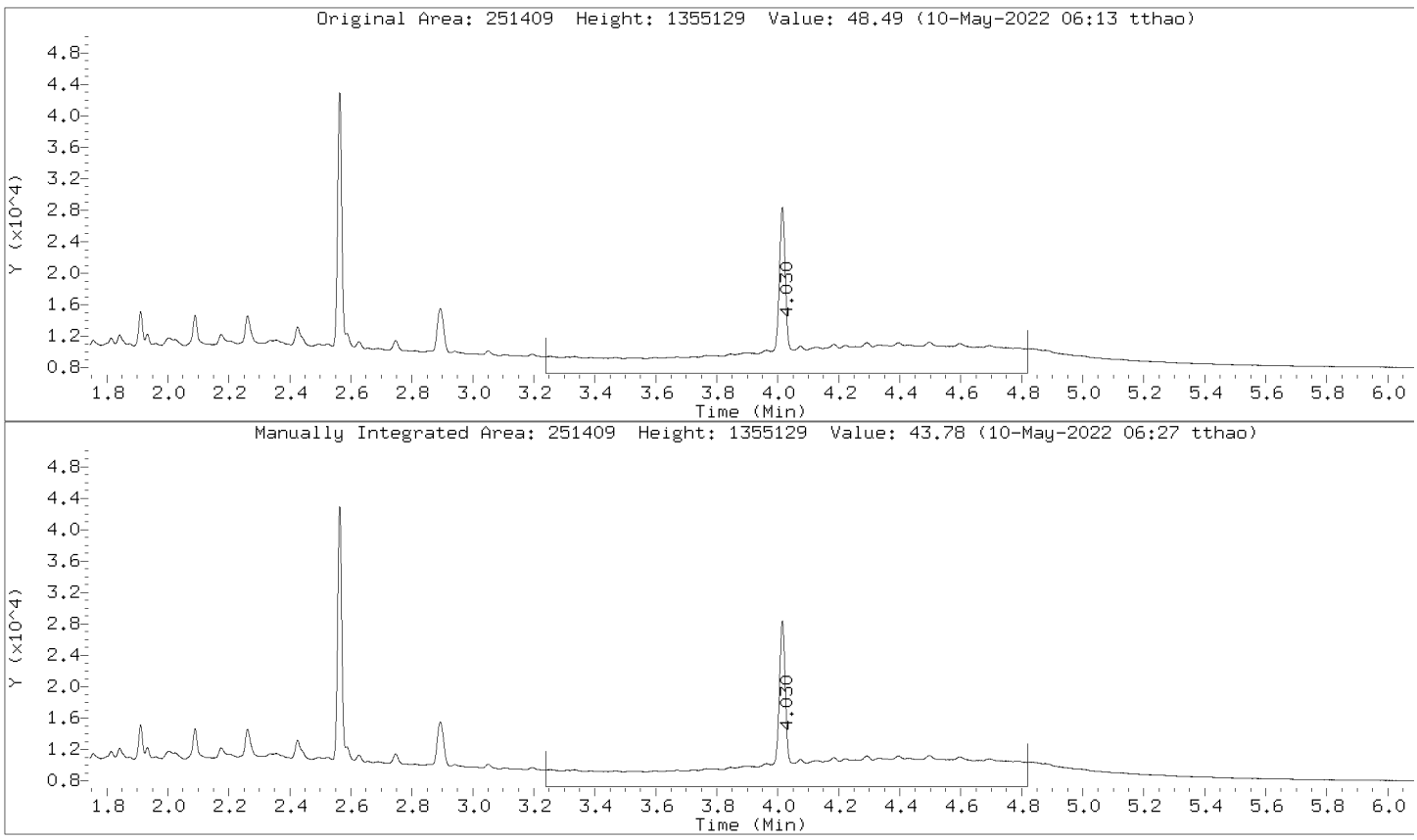
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



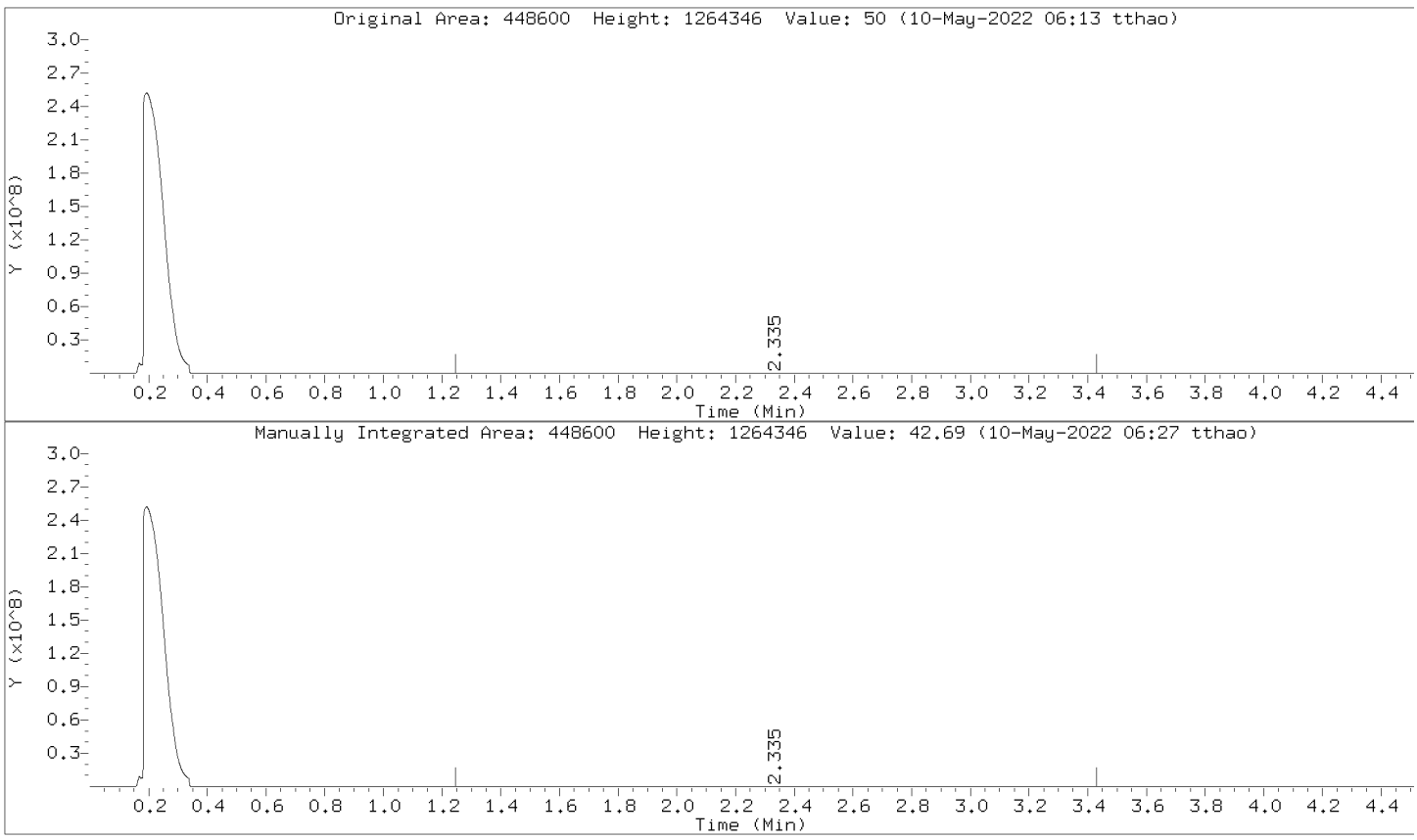
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



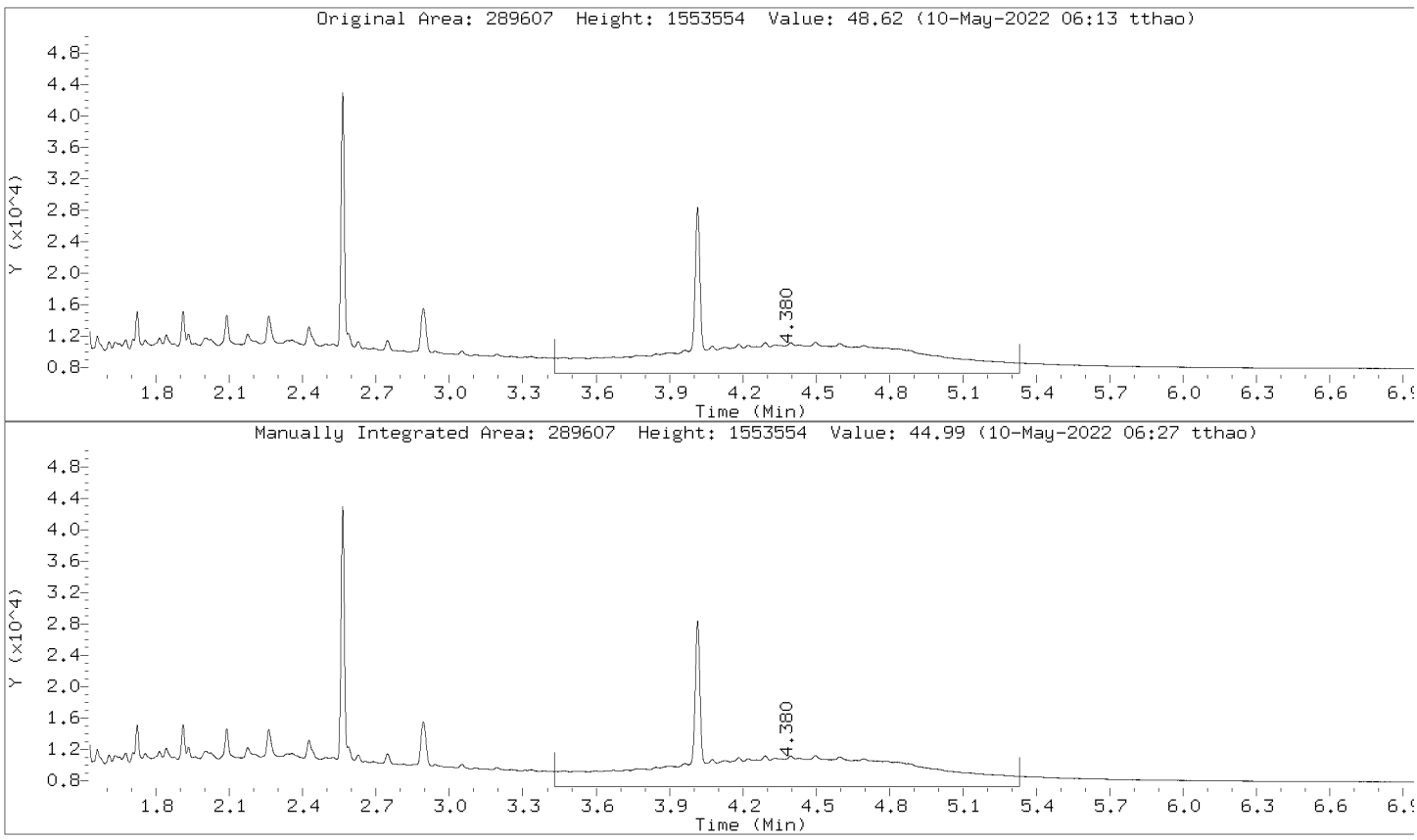
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



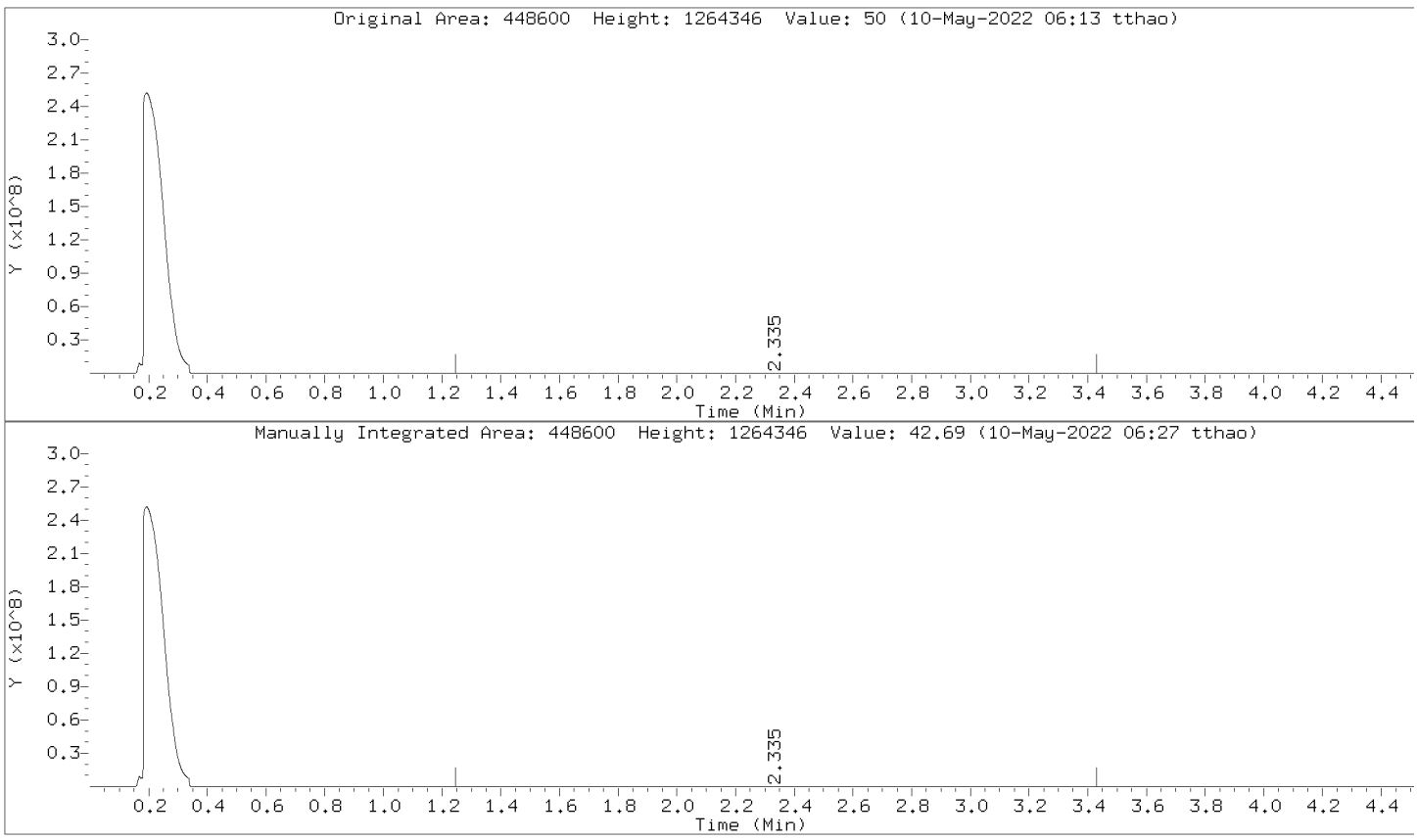
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



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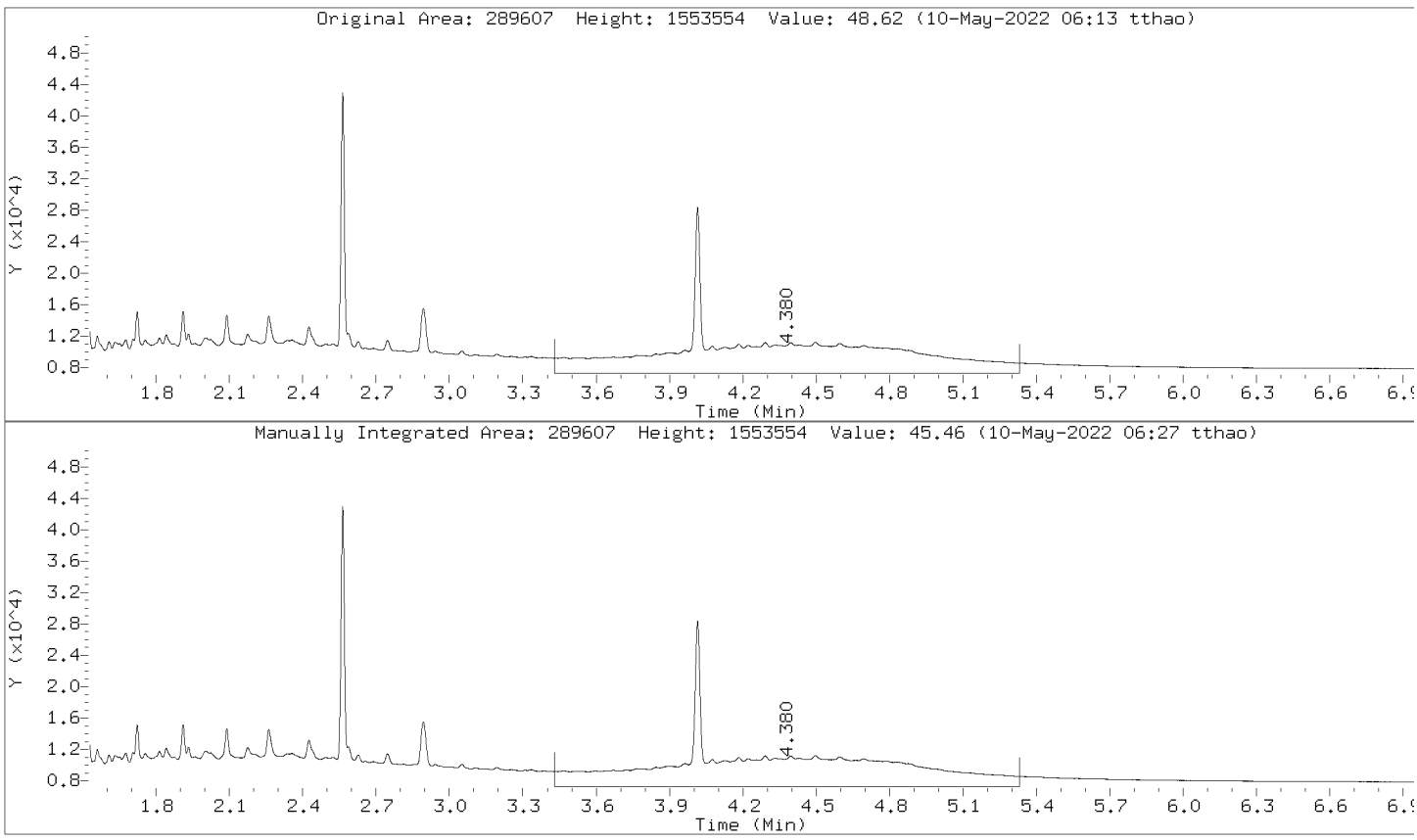
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



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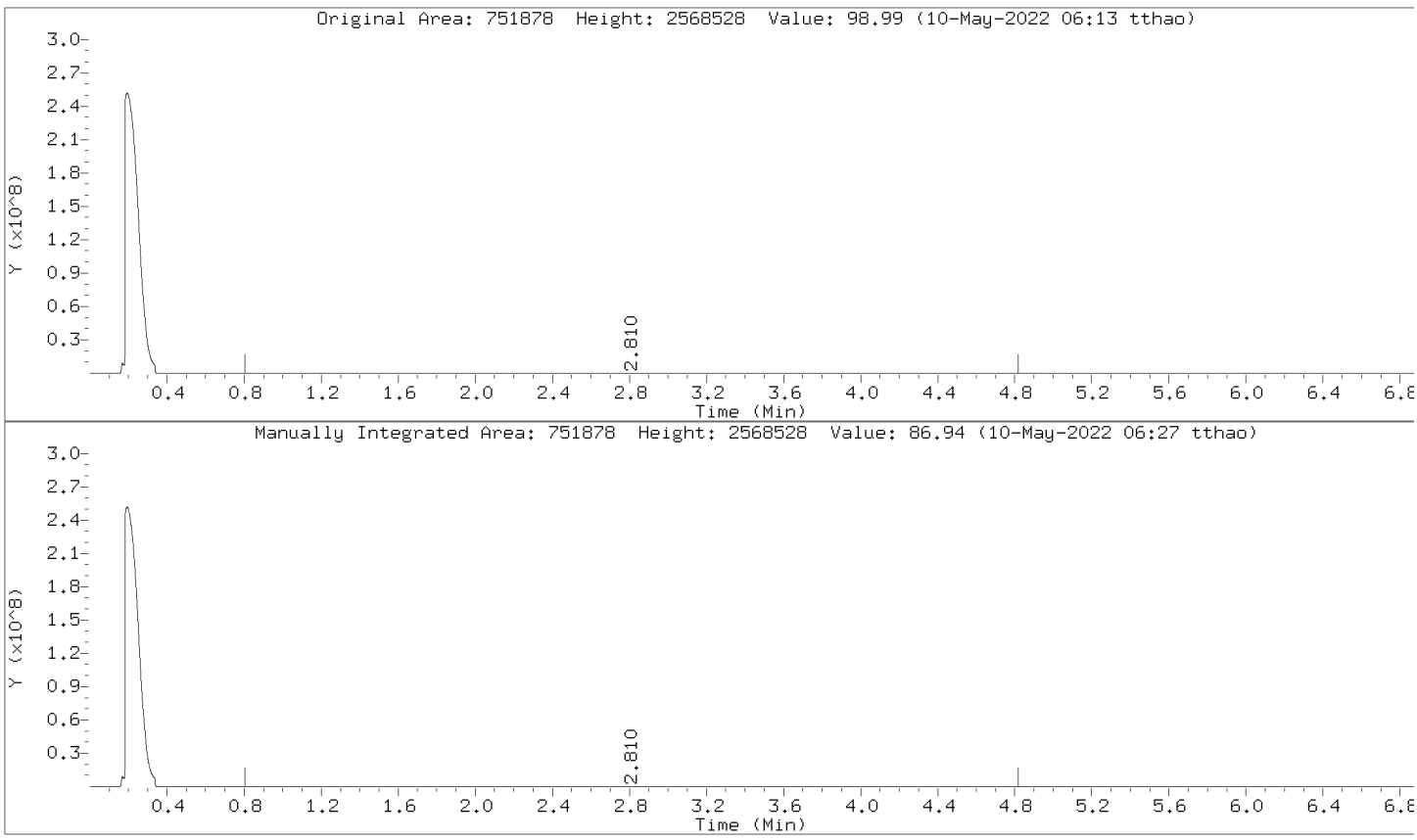
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: C10-C36 Review Code: RNG
CAS Number:



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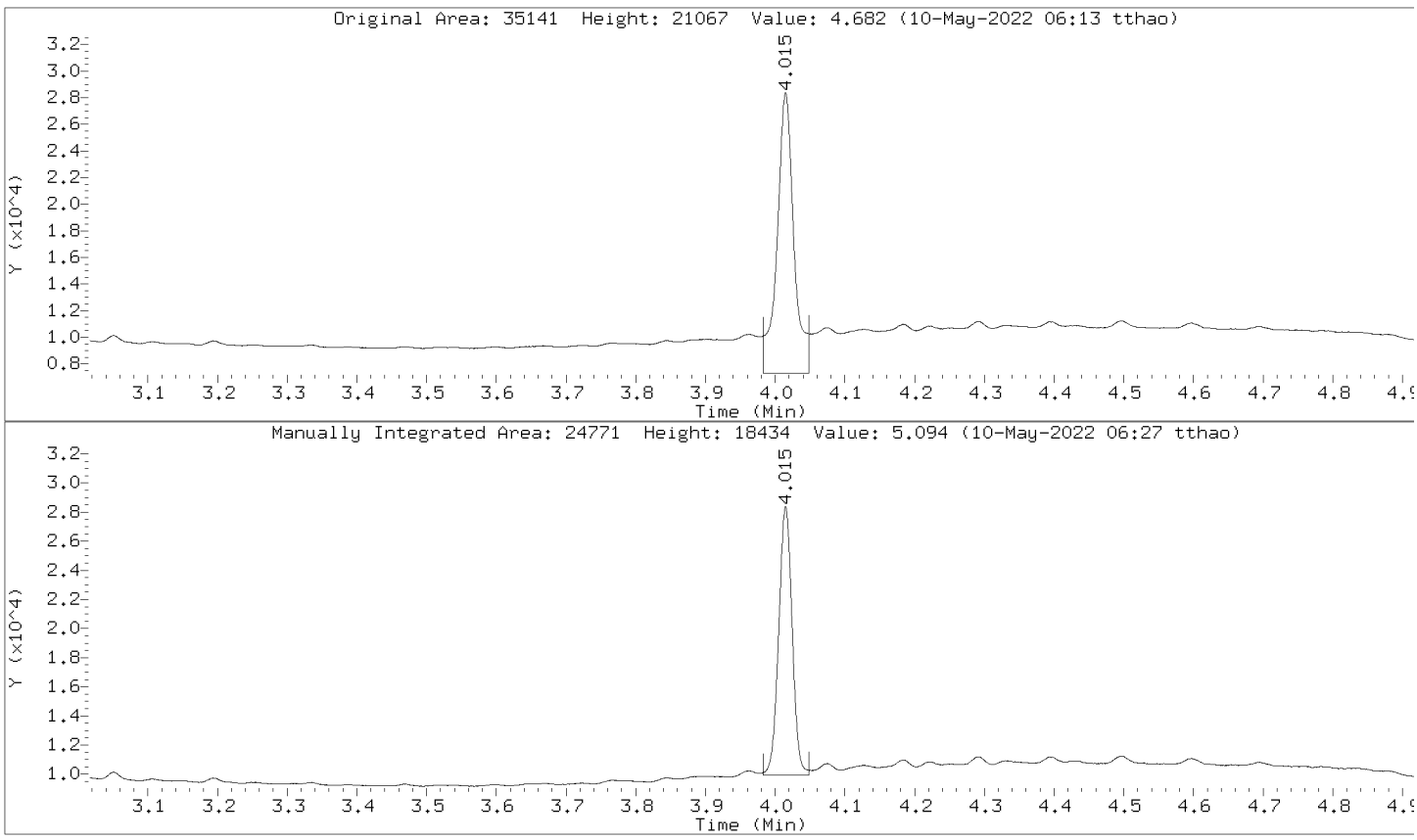
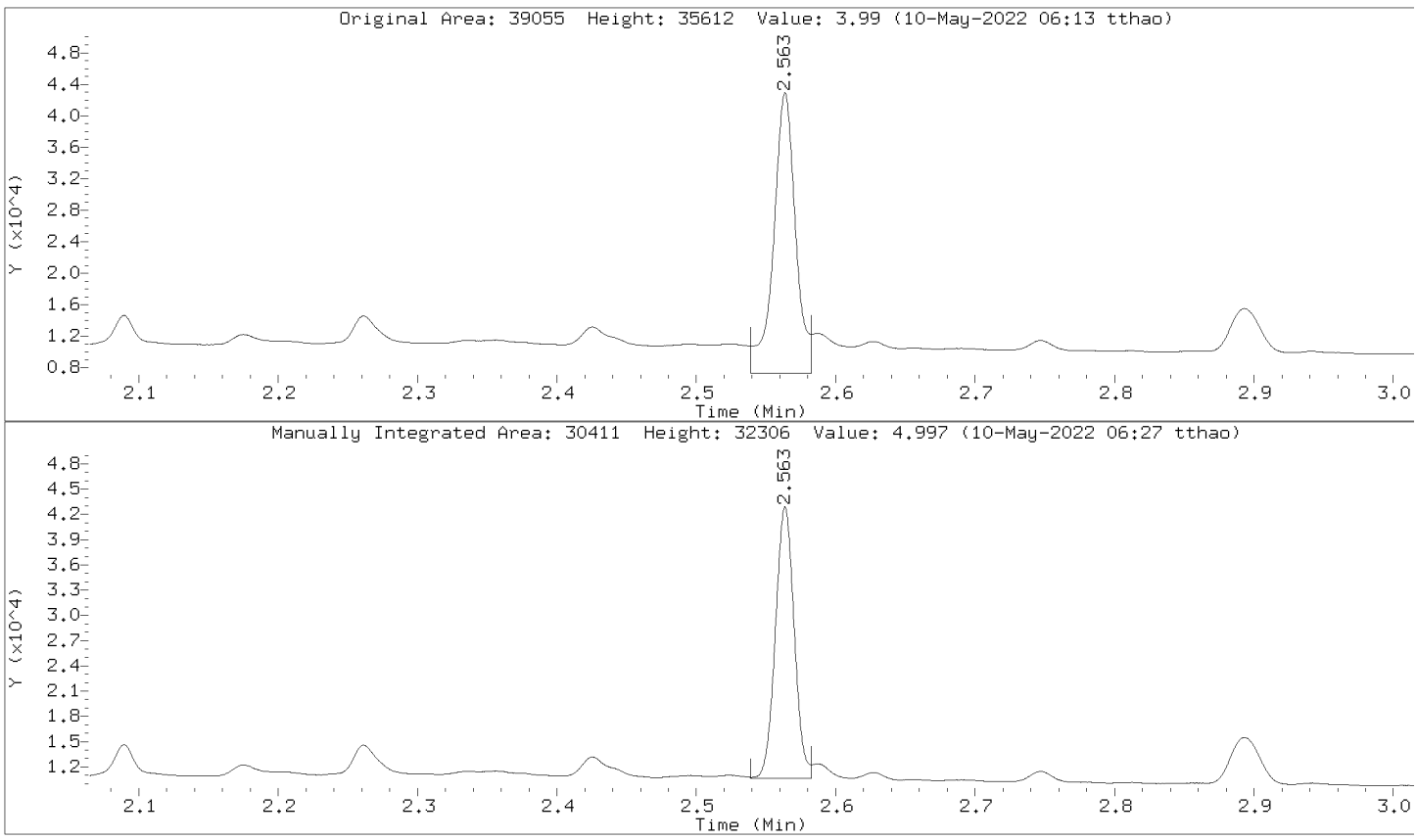
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	234087	234087
DRO by AK 102	517634	517634
TPH-DRO (C10-C28)	589190	589190
Motor Oil Range (C24-C36)	251409	251409
Diesel Fuel Range	448600	448600
Motor Oil Range	289607	289607
Diesel Fuel Range SG	448600	448600
Motor Oil Range SG	289607	289607
C10-C36	751878	751878
n-Triacontane (S)	35141	24771
o-Terphenyl (S)	39055	30411

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000028.D
Lab Smp Id: DMO-CAL5,364983:2 Client Smp ID: DMO-CAL5,364983:2
Inj Date : 09-MAY-2022 16:06
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal5,364983:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		786984	100.000	95.2	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.564	2.565	-0.001	60435	10.0000	9.93	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.015	4.017	-0.002	48857	10.0000	10.0	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		404664	100.000	97.0	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		897834	100.000	95.7	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		428533	100.000	96.8	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		1191648	200.000	192	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		674532	100.000	94.8	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		674532	100.000	94.8	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		494946	100.000	97.8	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		494946	100.000	98.2	(M)	RNG

QC Flag Legend

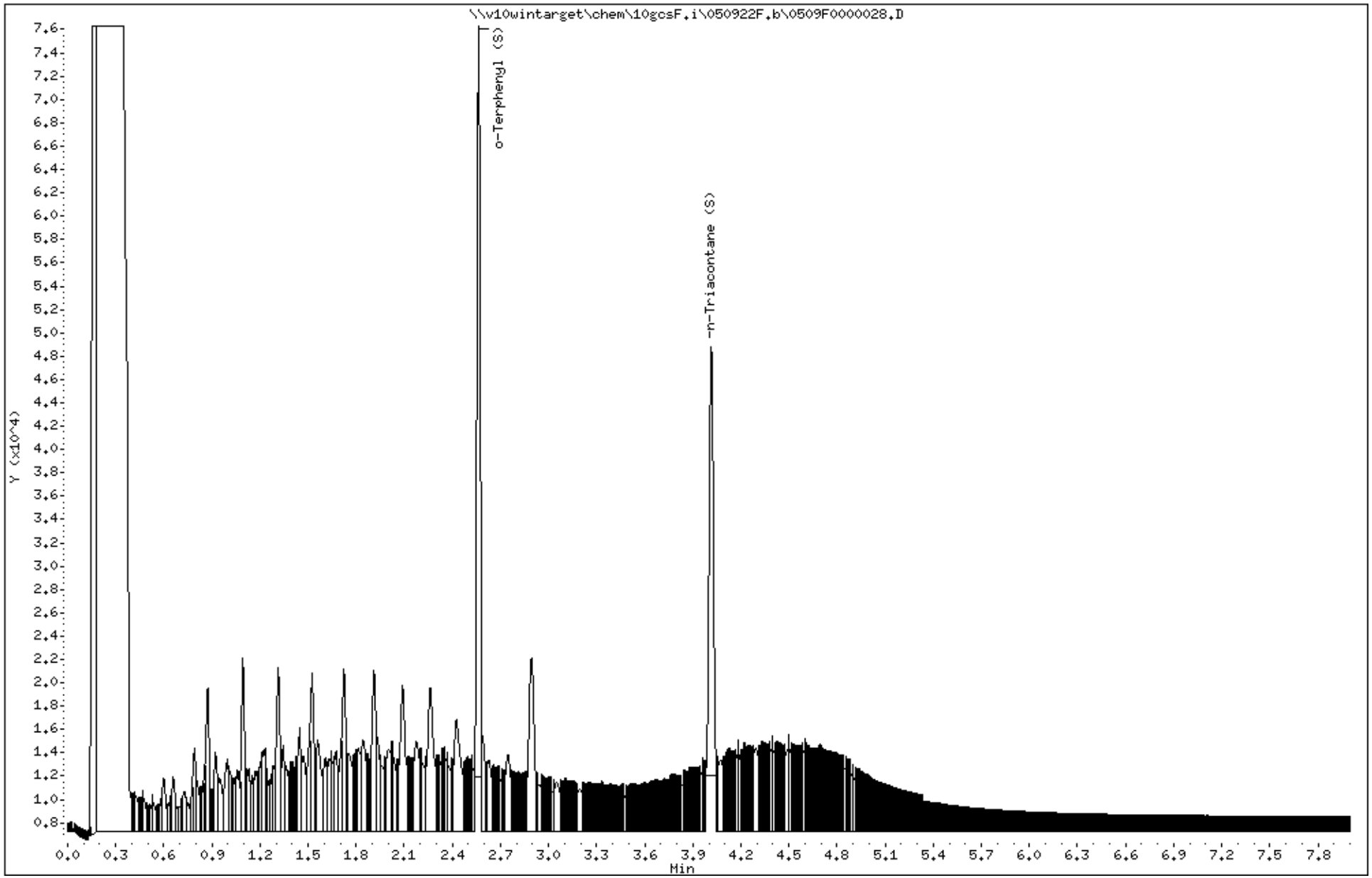
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000028.D
Date : 09-MAY-2022 16:06
Client ID: DMO-CAL5,364983:2
Sample Info: DMO-CAL5,364983:2

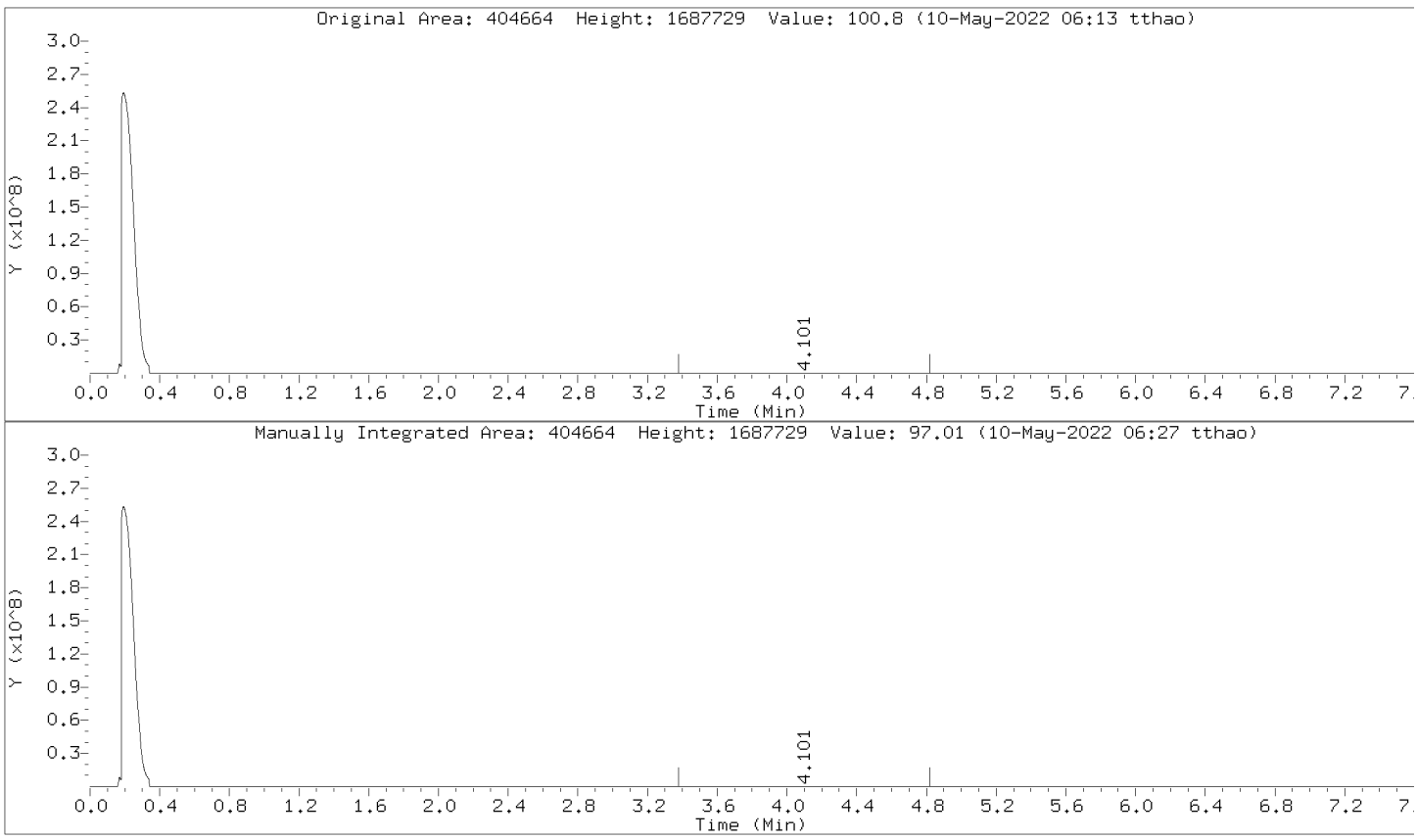
Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



114 of 1171
89 of 686
10606561

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



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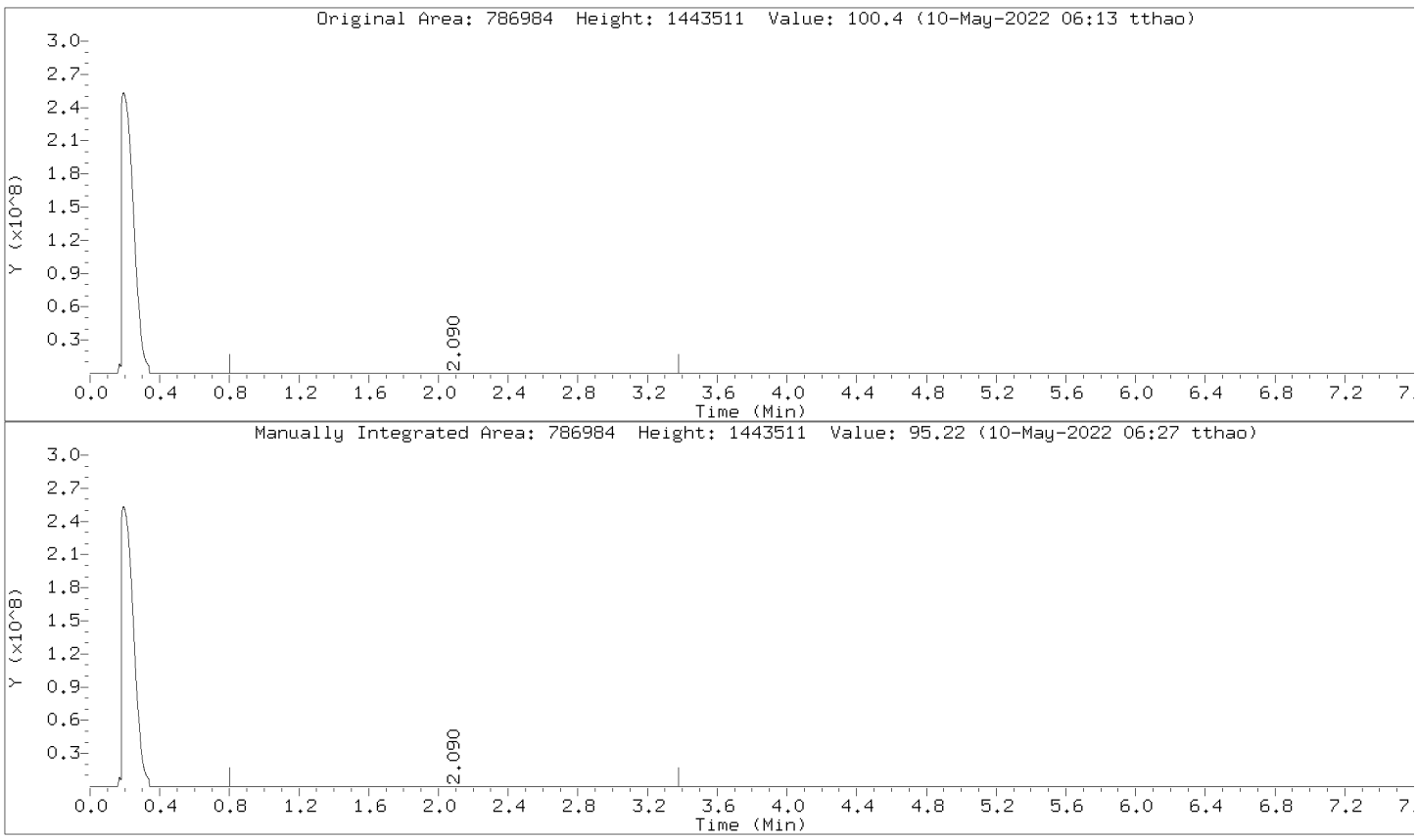
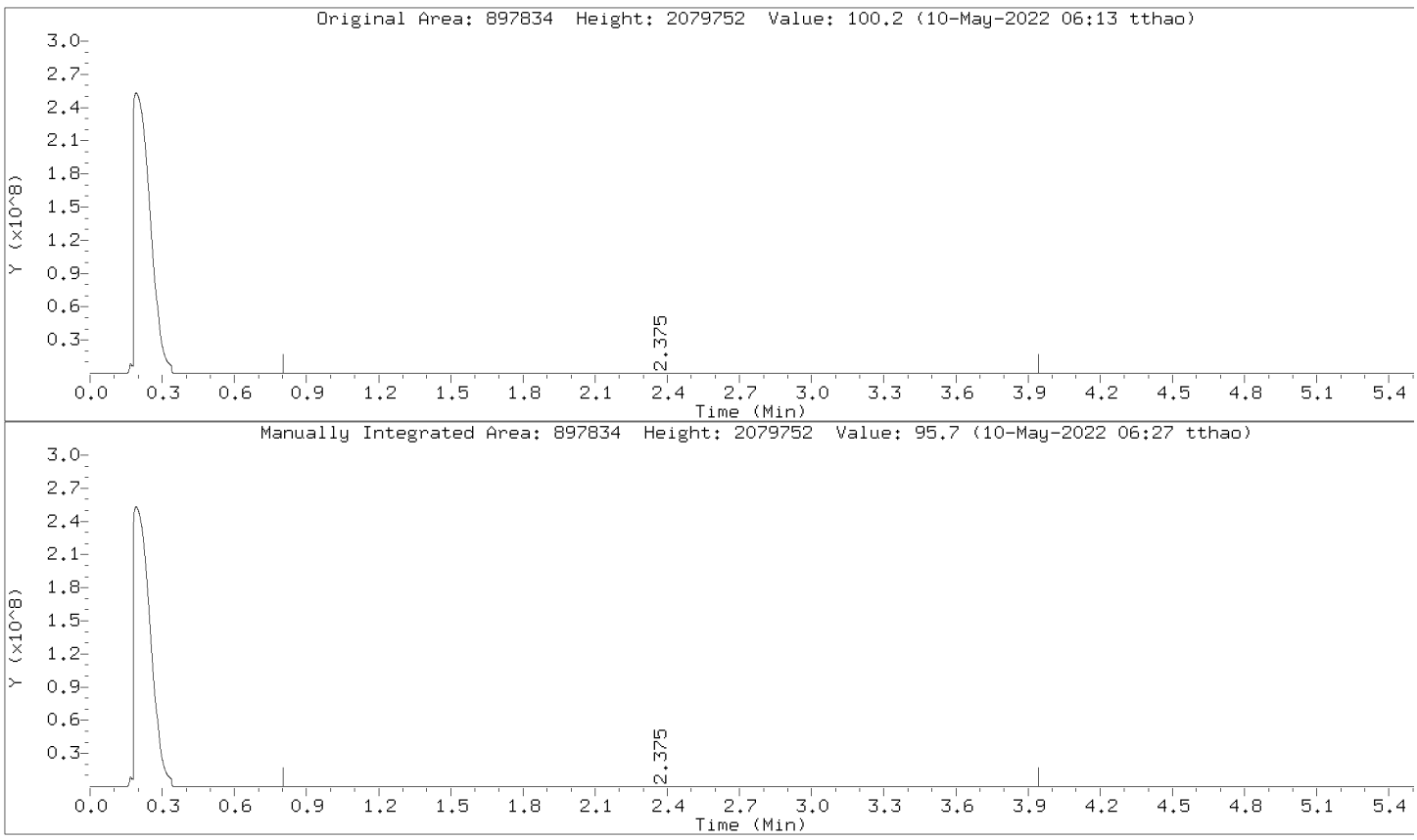
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



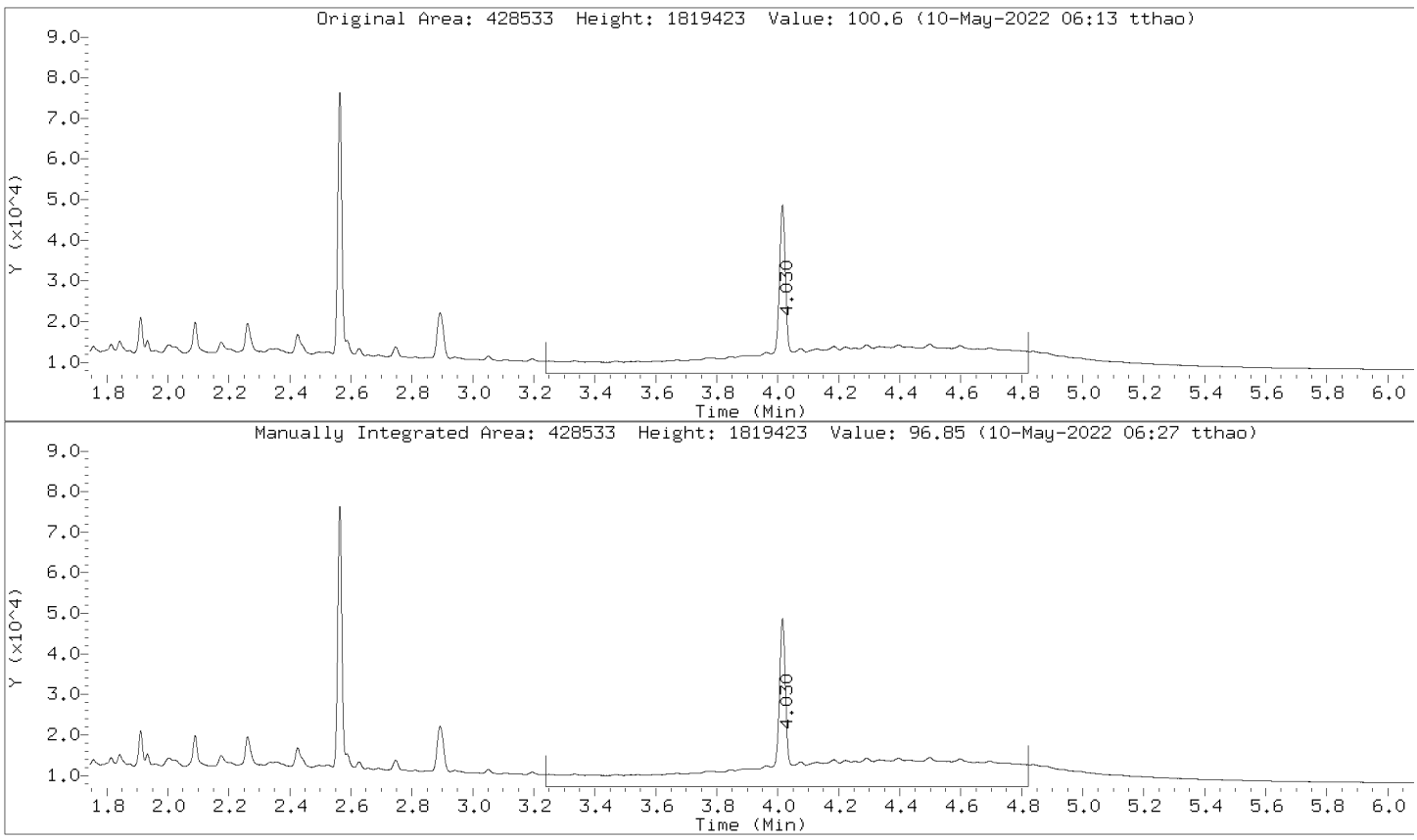
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



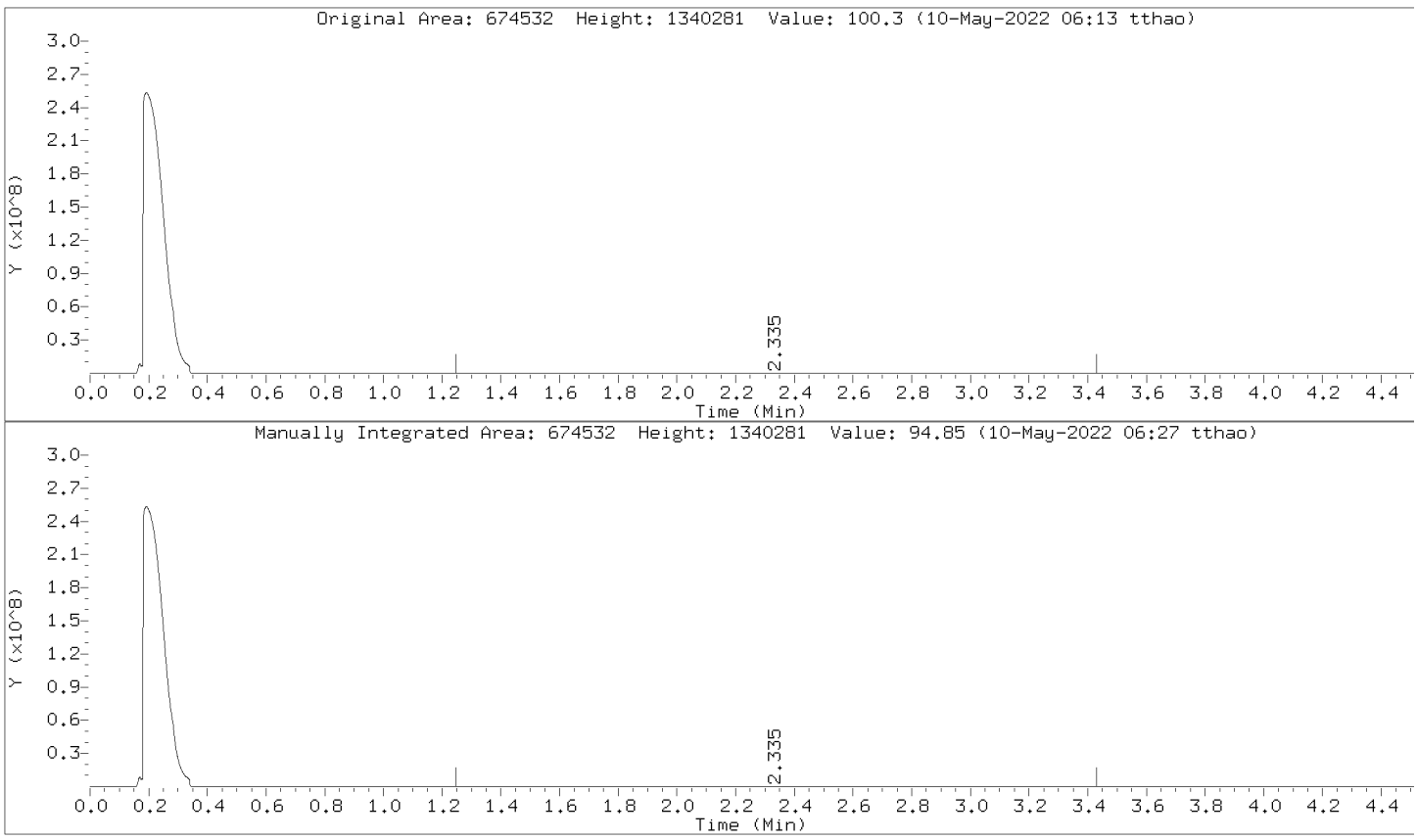
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



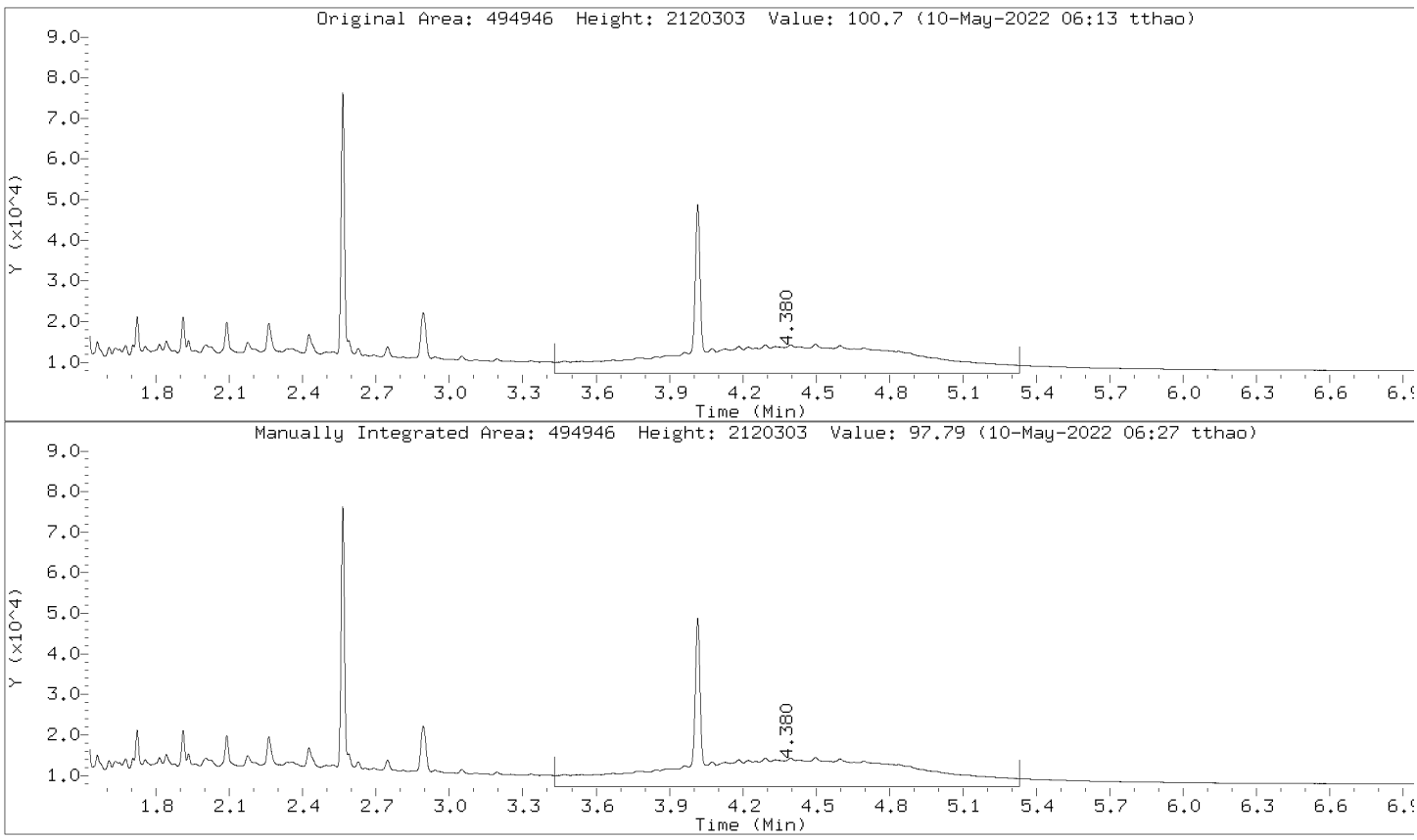
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



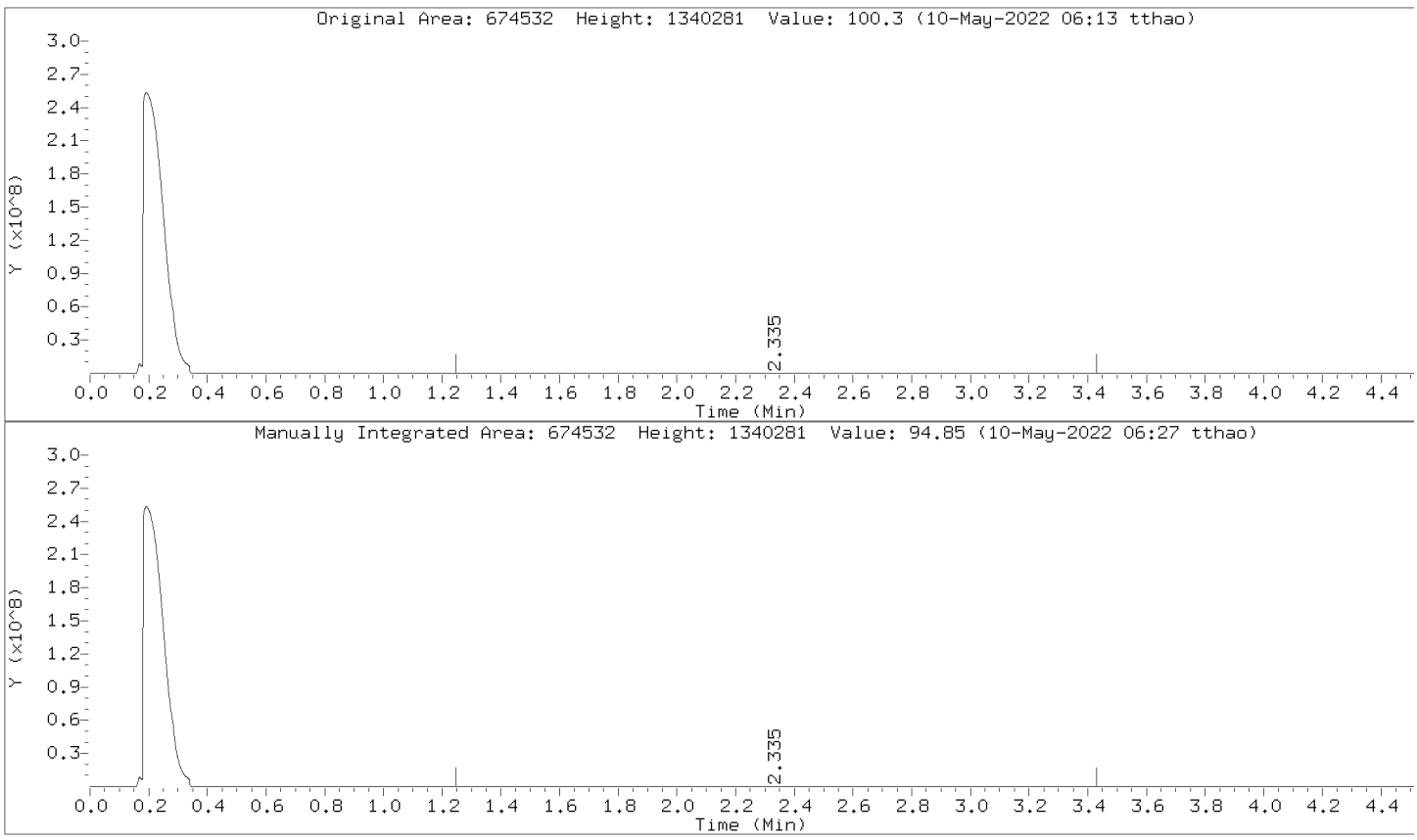
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



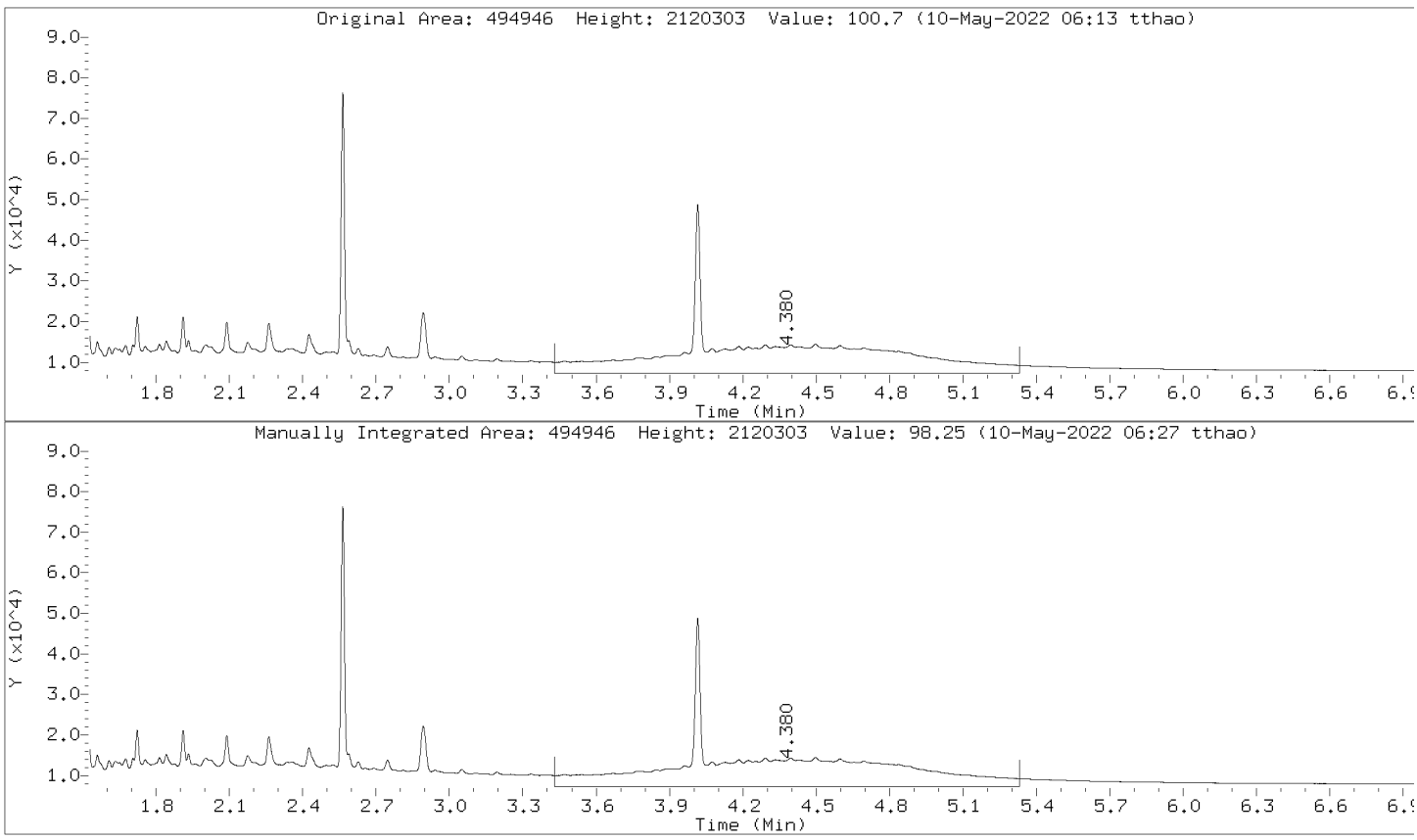
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



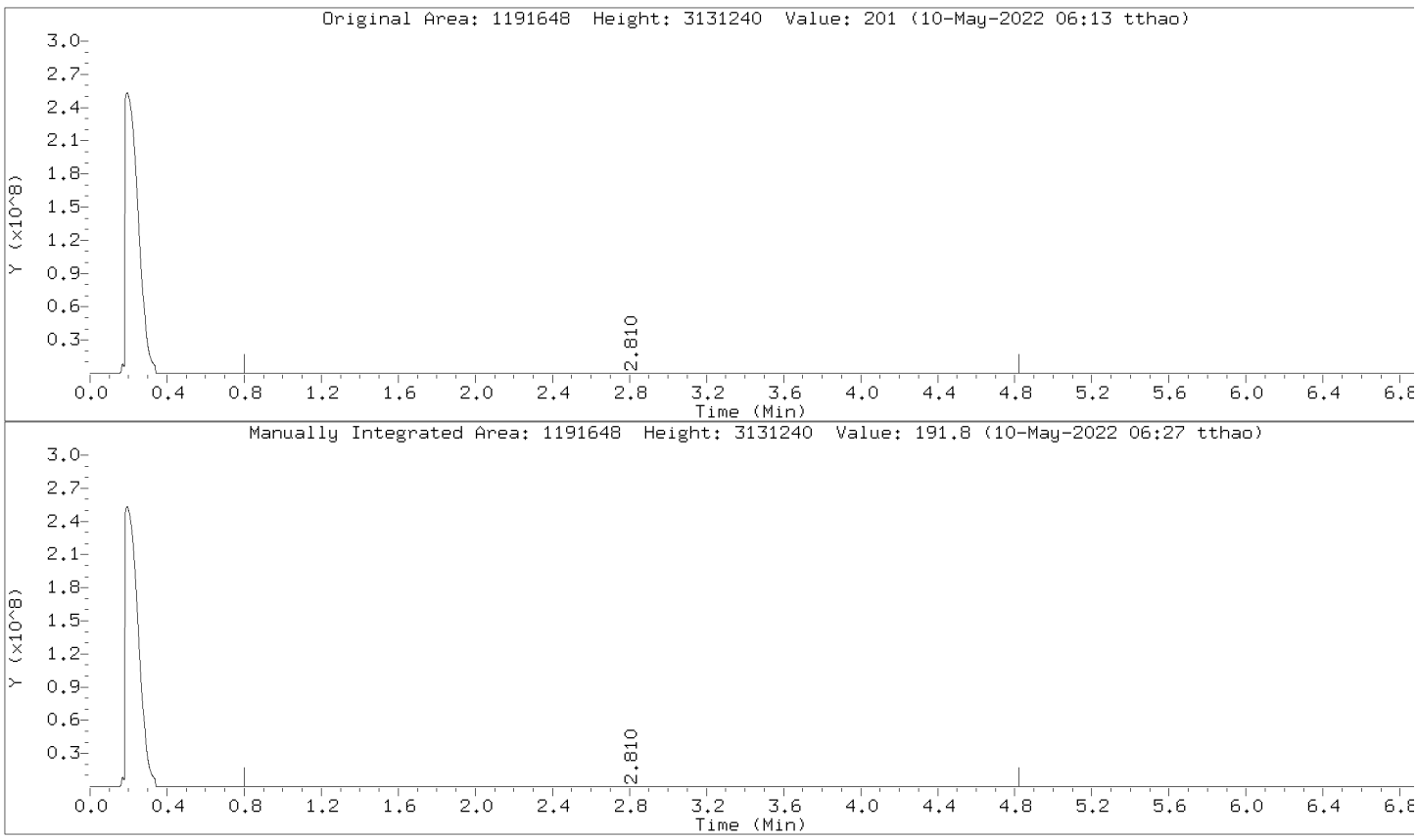
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



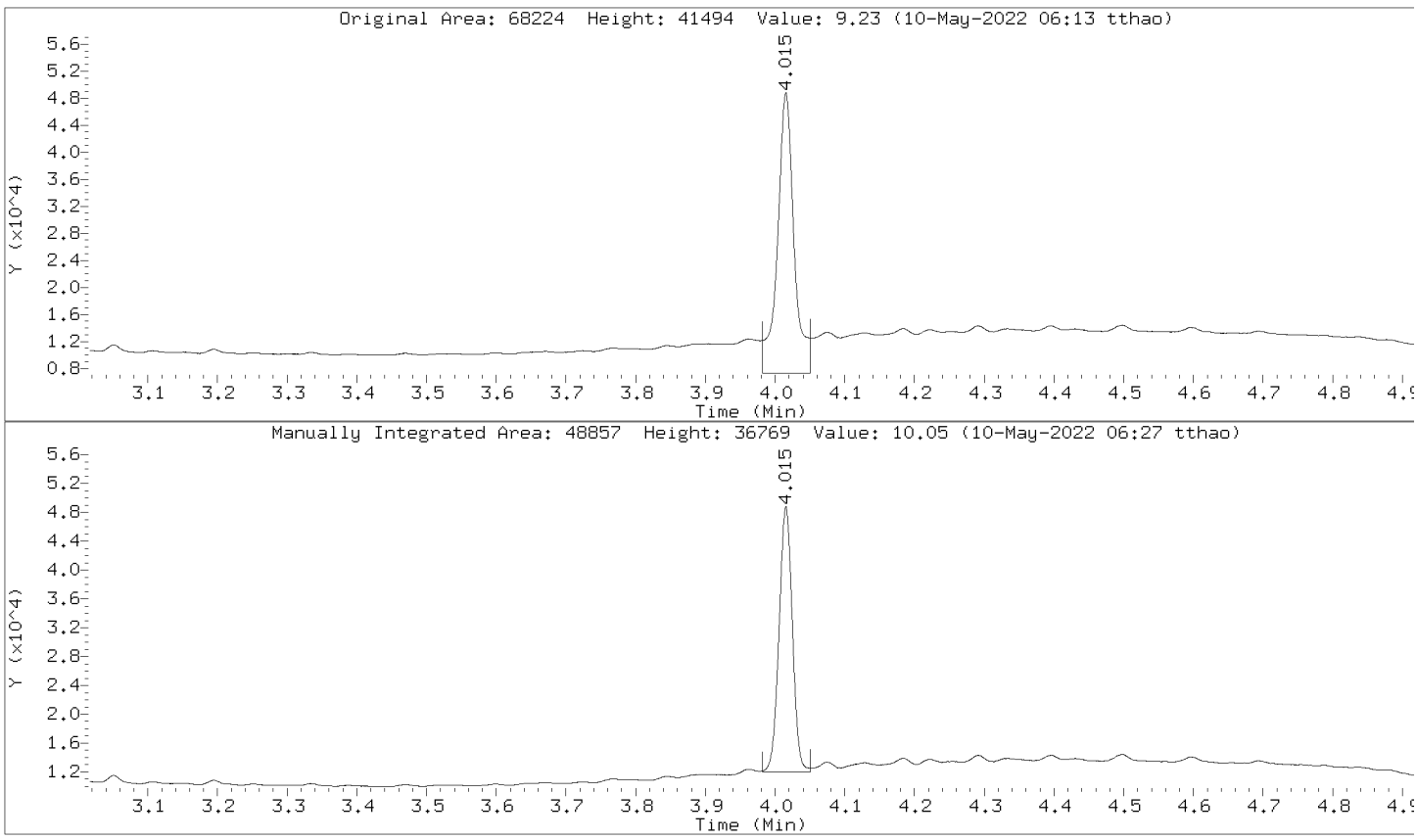
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: C10-C36 Review Code: RNG
CAS Number:



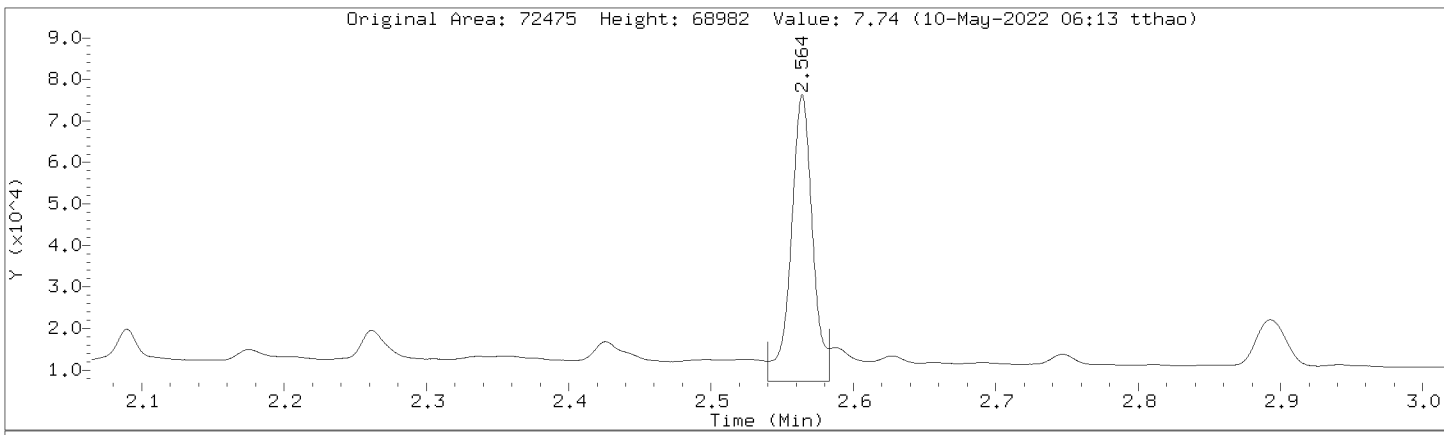
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

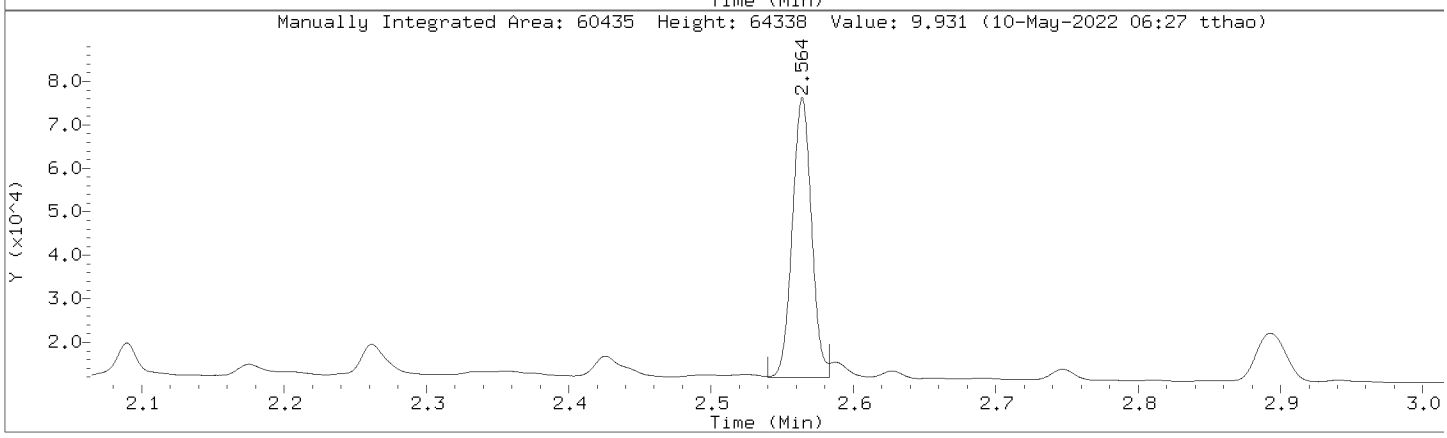
Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:





Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	404664	404664
DRO by AK 102	786984	786984
TPH-DRO (C10-C28)	897834	897834
Motor Oil Range (C24-C36)	428533	428533
Diesel Fuel Range	674532	674532
Motor Oil Range	494946	494946
Diesel Fuel Range SG	674532	674532
Motor Oil Range SG	494946	494946
C10-C36	1191648	1191648
n-Triacontane (S)	68224	48857
o-Terphenyl (S)	72475	60435

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000029.D
Lab Smp Id: DMO-CAL6,364984:2 Client Smp ID: DMO-CAL6,364984:2
Inj Date : 09-MAY-2022 16:18
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal6,364984:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		1584516	250.000	249	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.564	2.565	-0.001	147678	25.0000	24.3	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.015	4.017	-0.002	120934	25.0000	24.9	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		894979	250.000	250	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		1810188	250.000	248	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		940953	250.000	250	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		2479496	500.000	499	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		1341847	250.000	249	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		1341847	250.000	249	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		1085964	250.000	250	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		1085964	250.000	250	(M)	RNG

QC Flag Legend

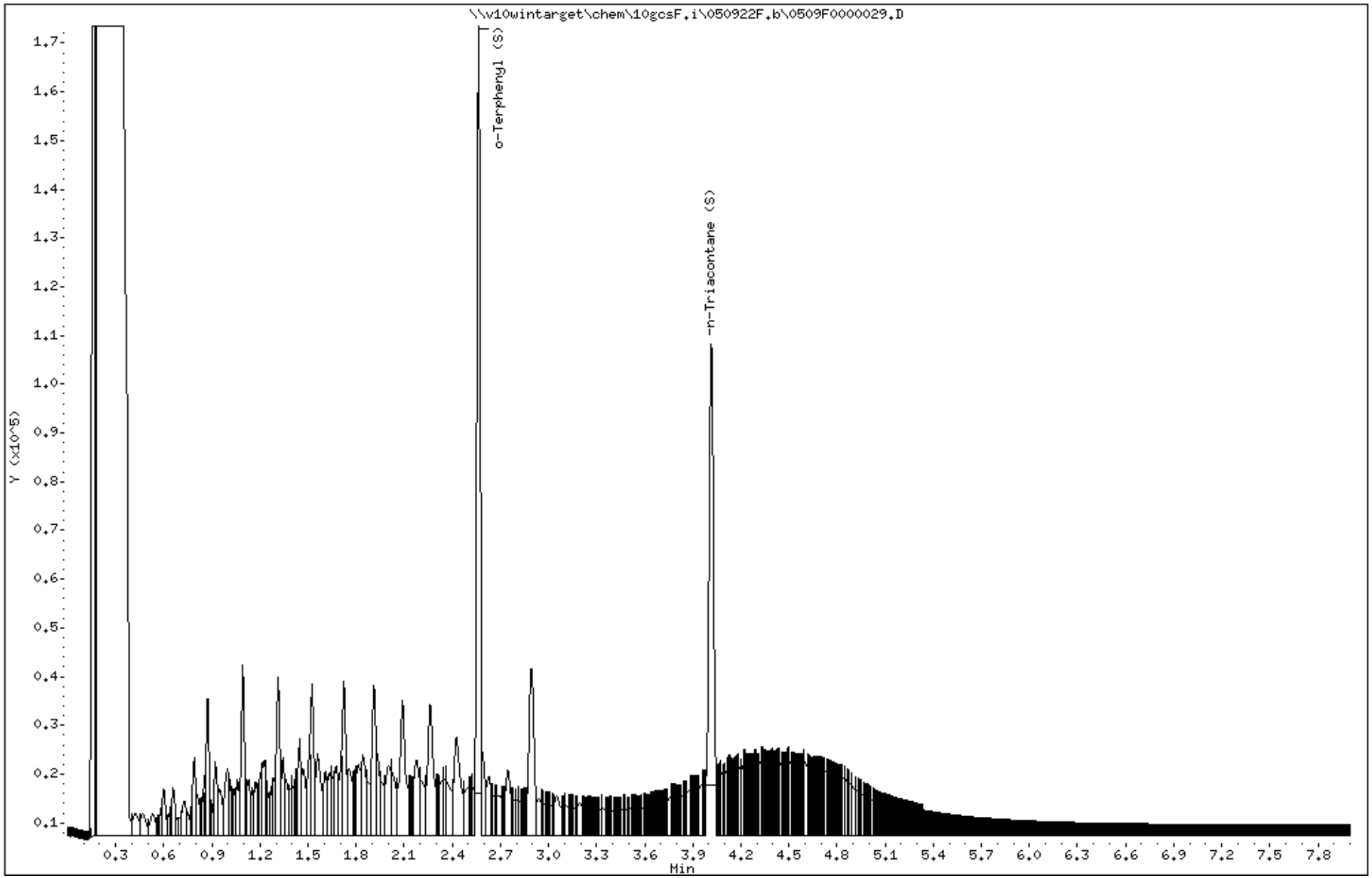
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

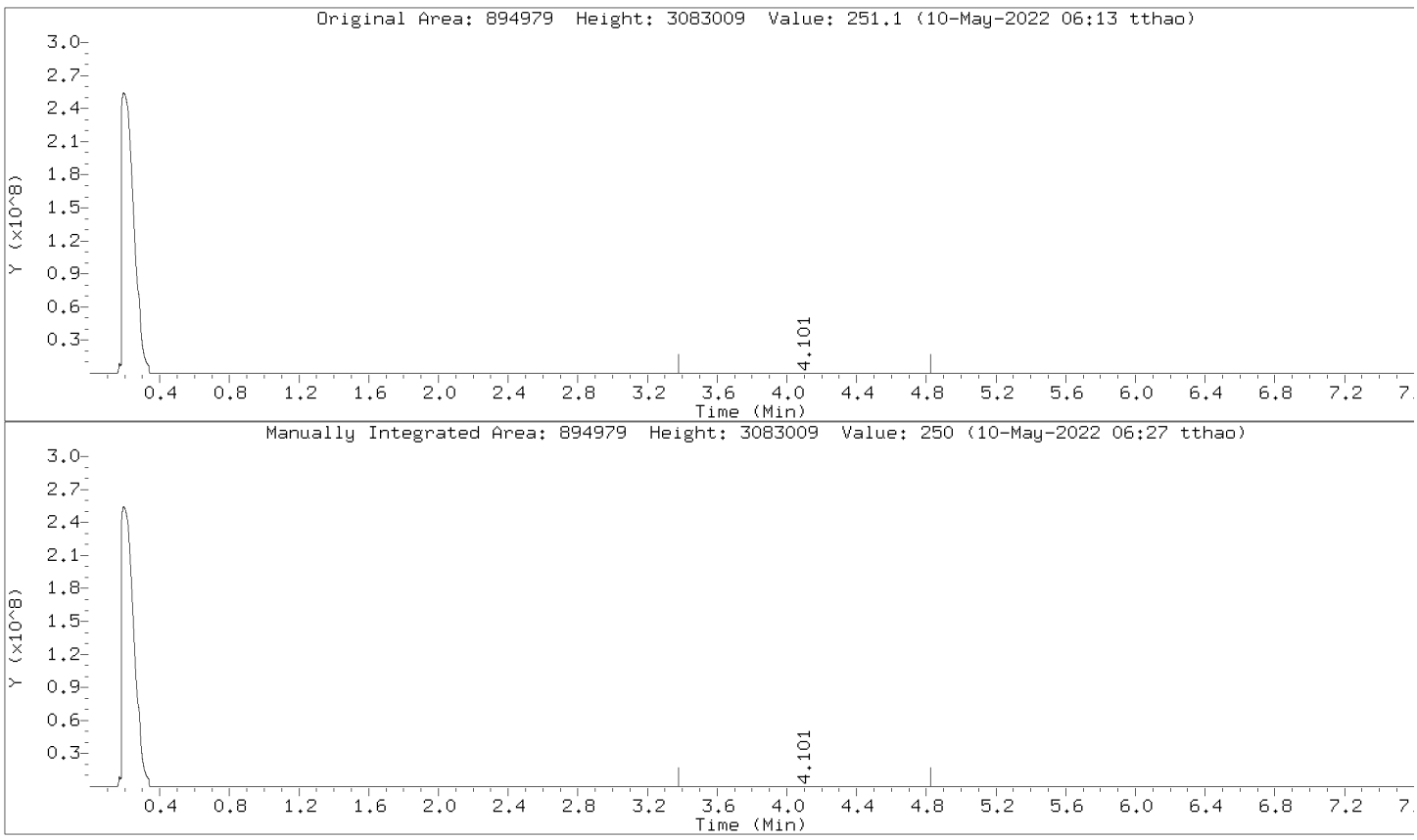
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000029.D
Date : 09-MAY-2022 16:18
Client ID: DMO-CAL6,364984:2
Sample Info: DMO-CAL6,364984:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



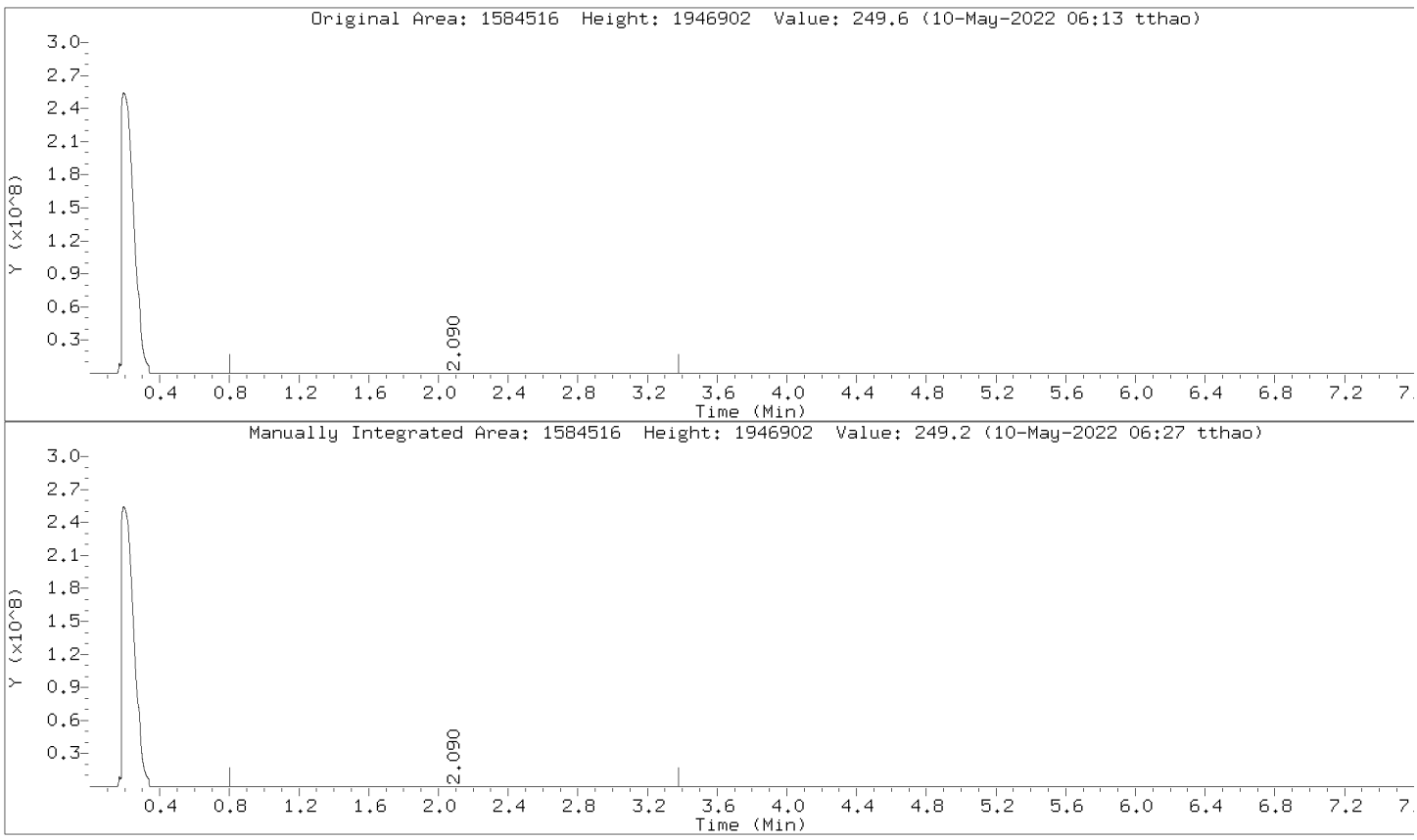
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



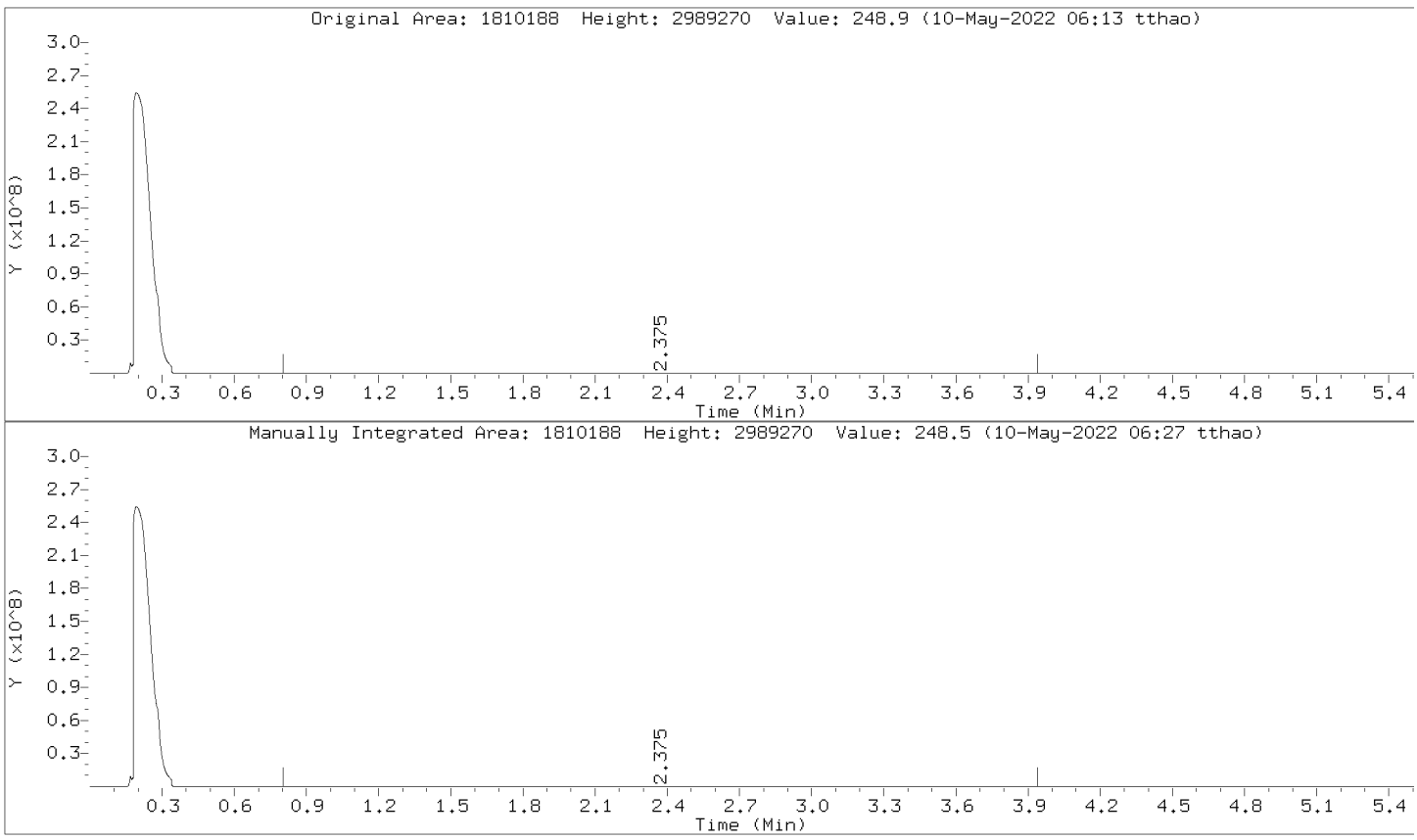
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



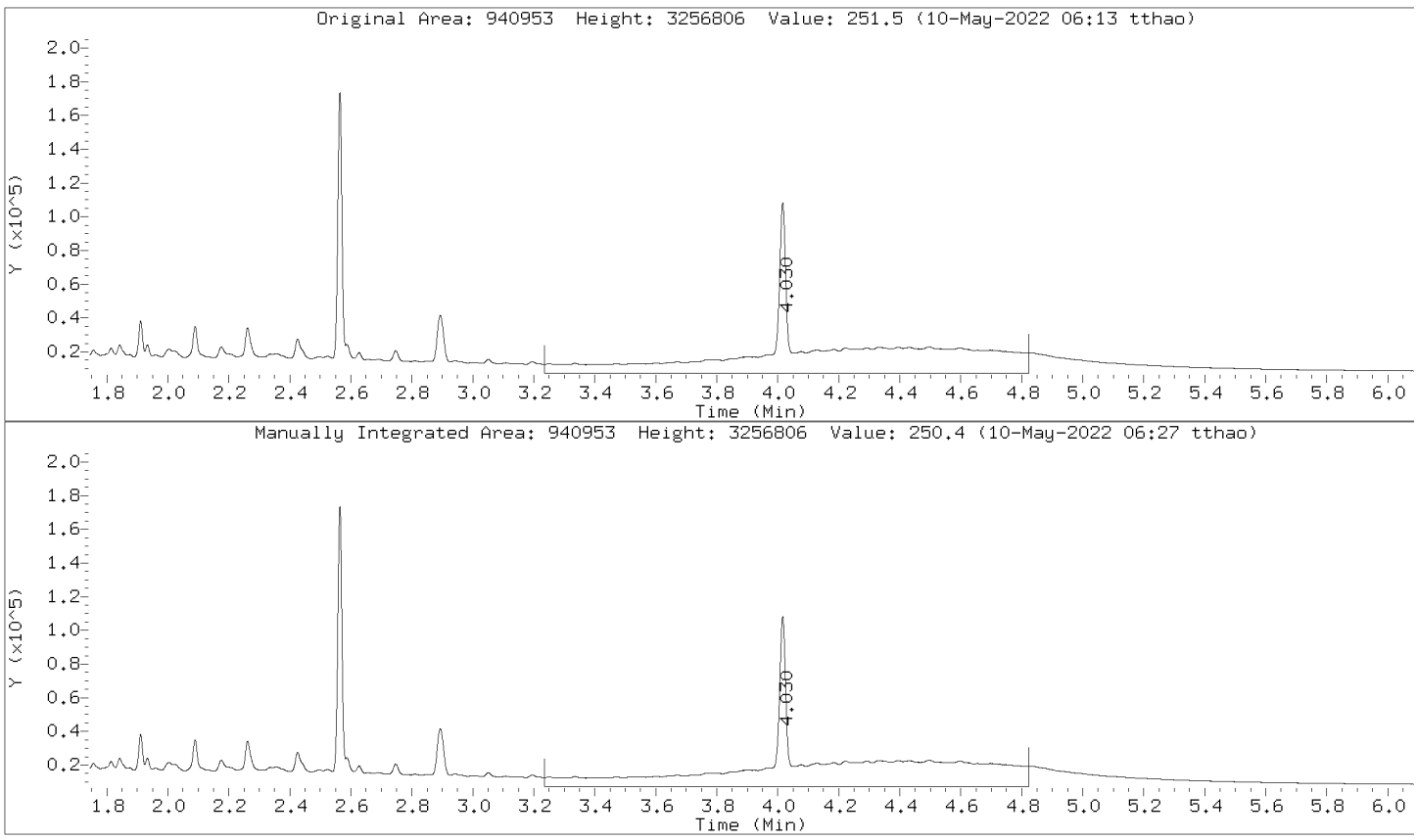
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



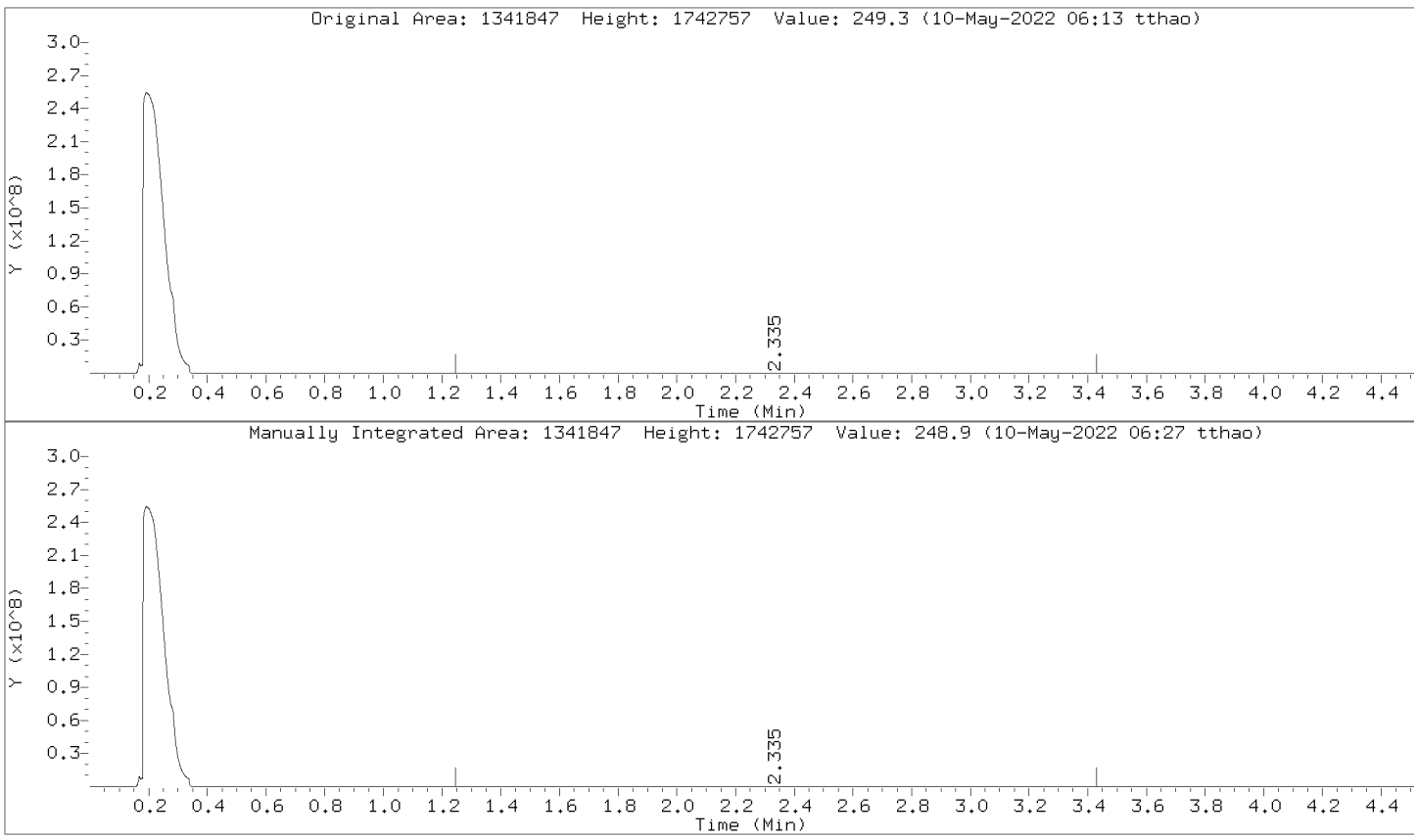
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



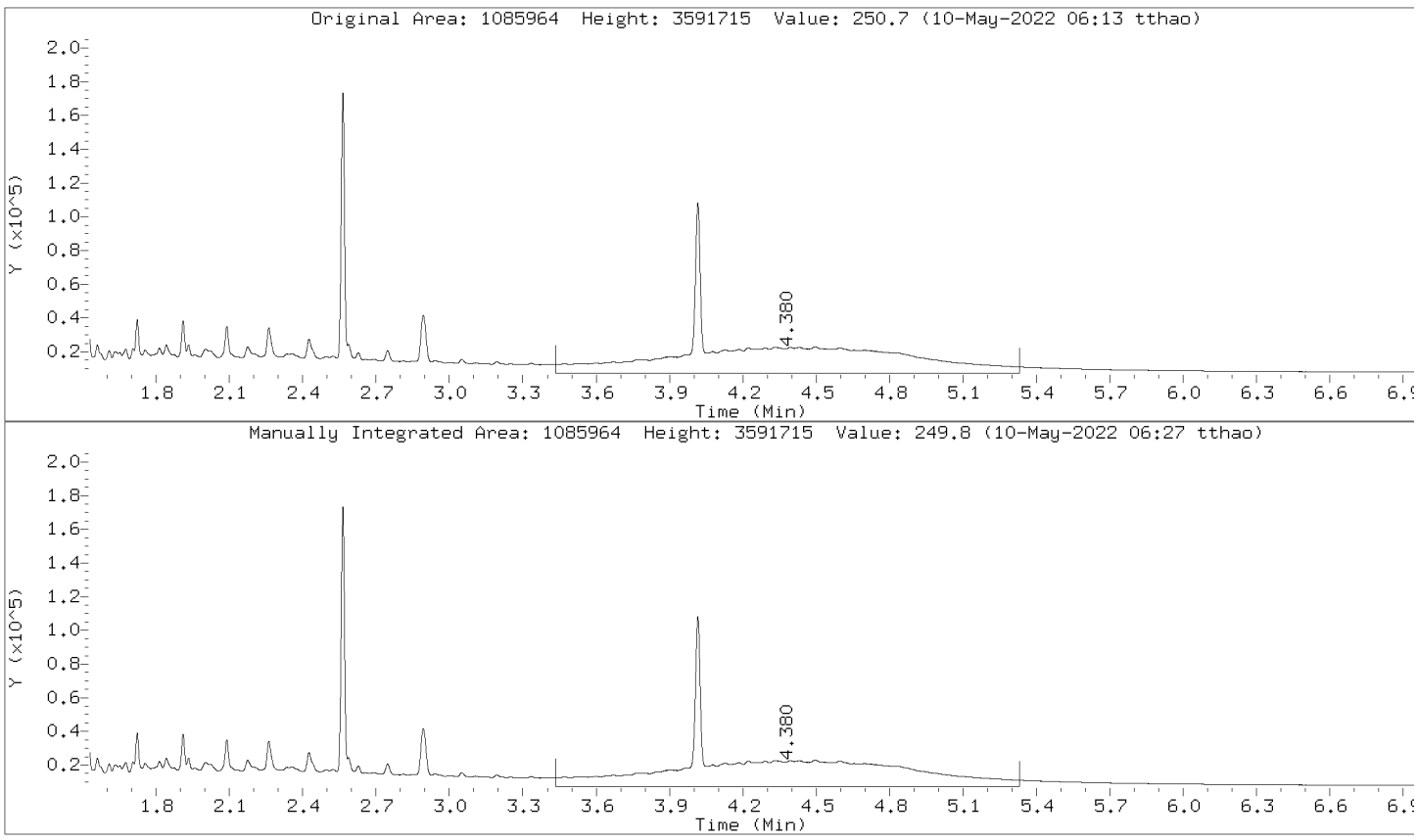
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



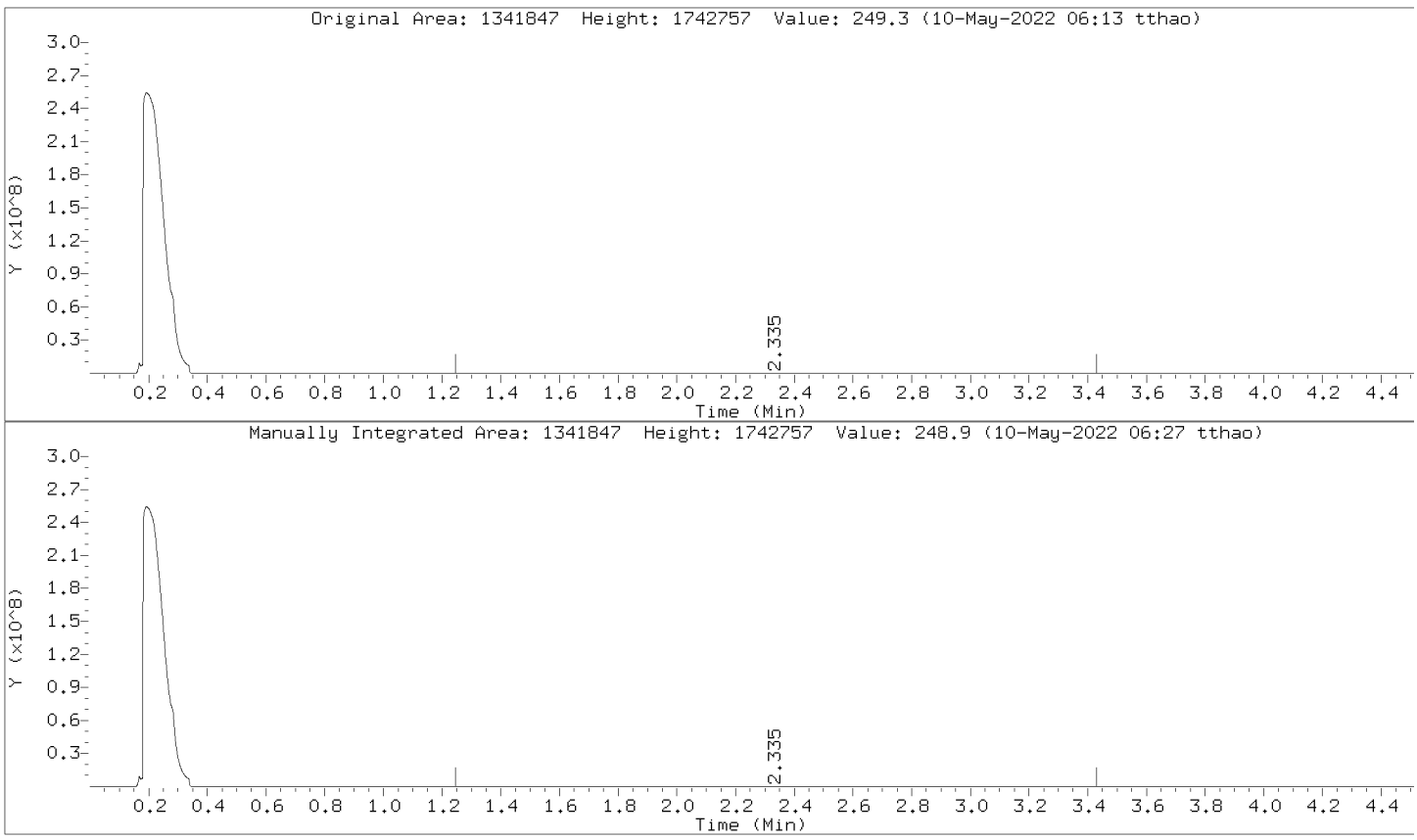
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



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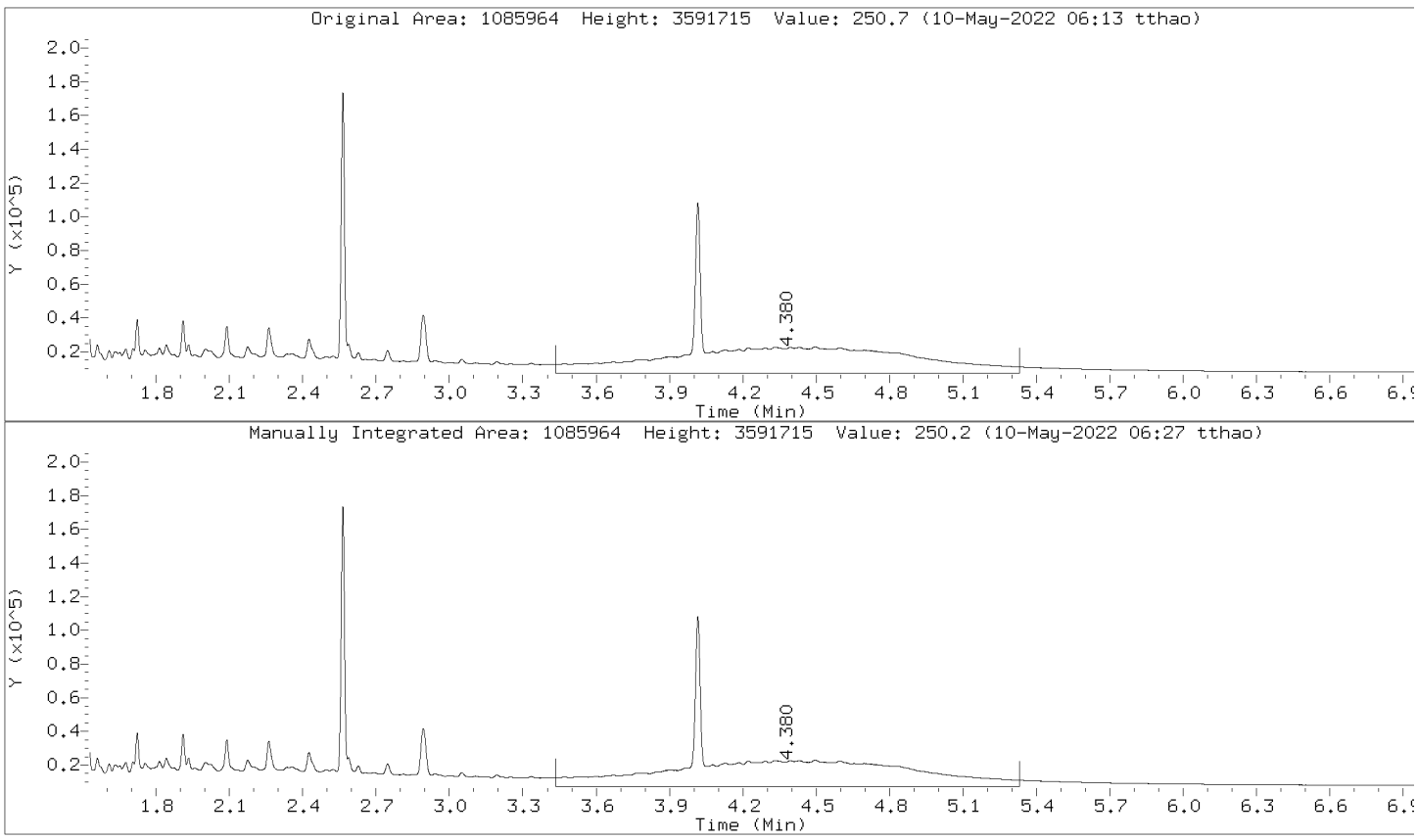
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



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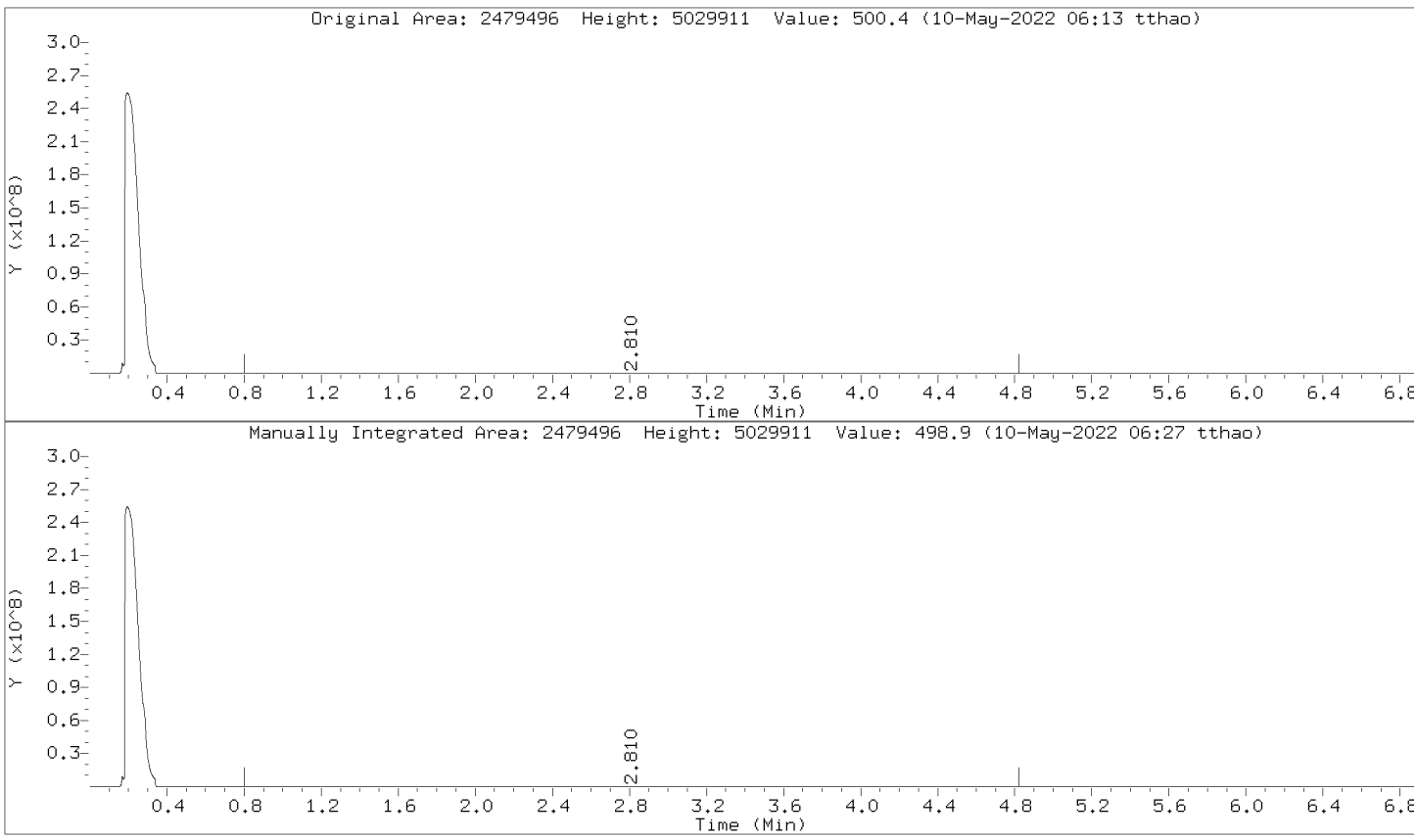
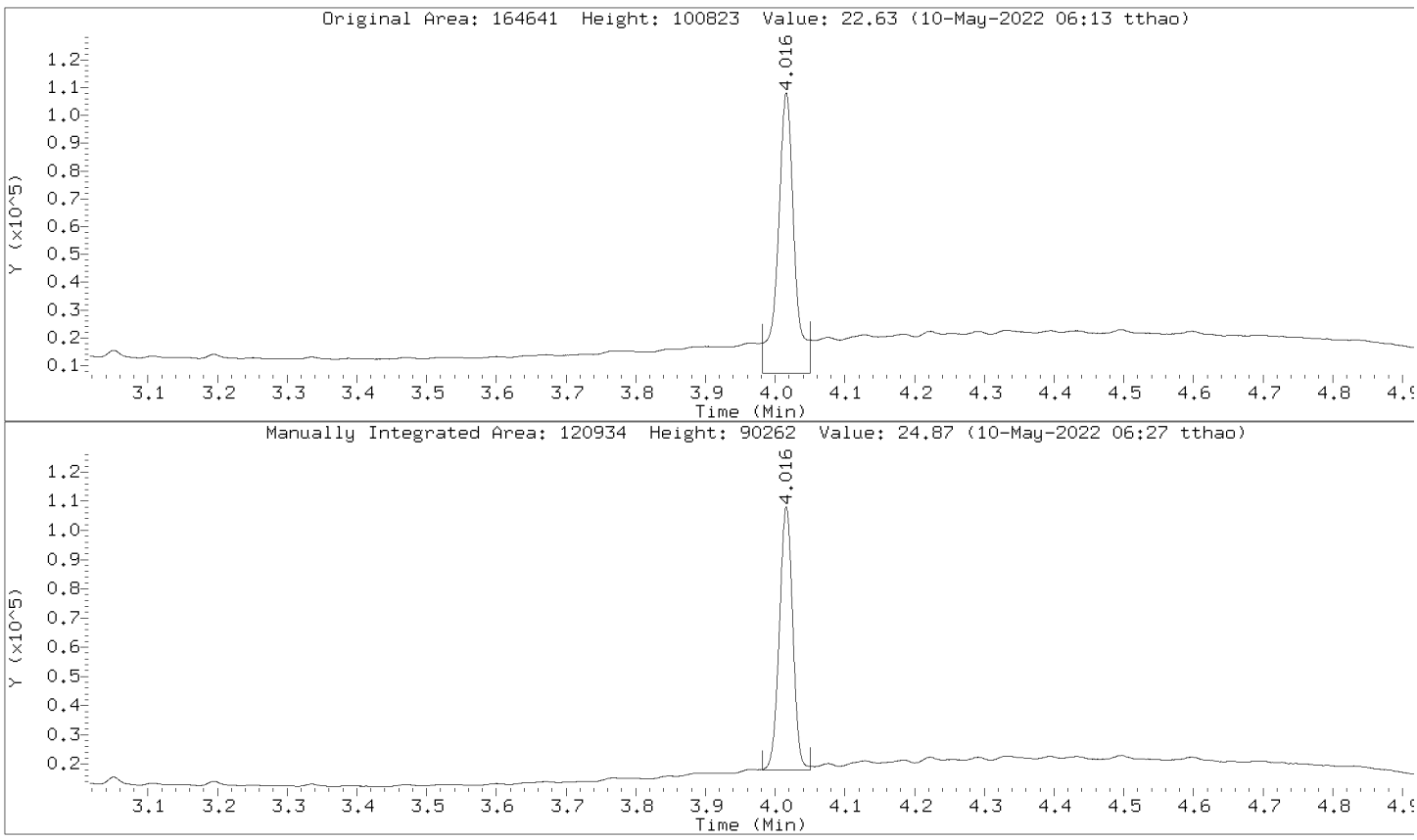
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: C10-C36 Review Code: RNG
CAS Number:



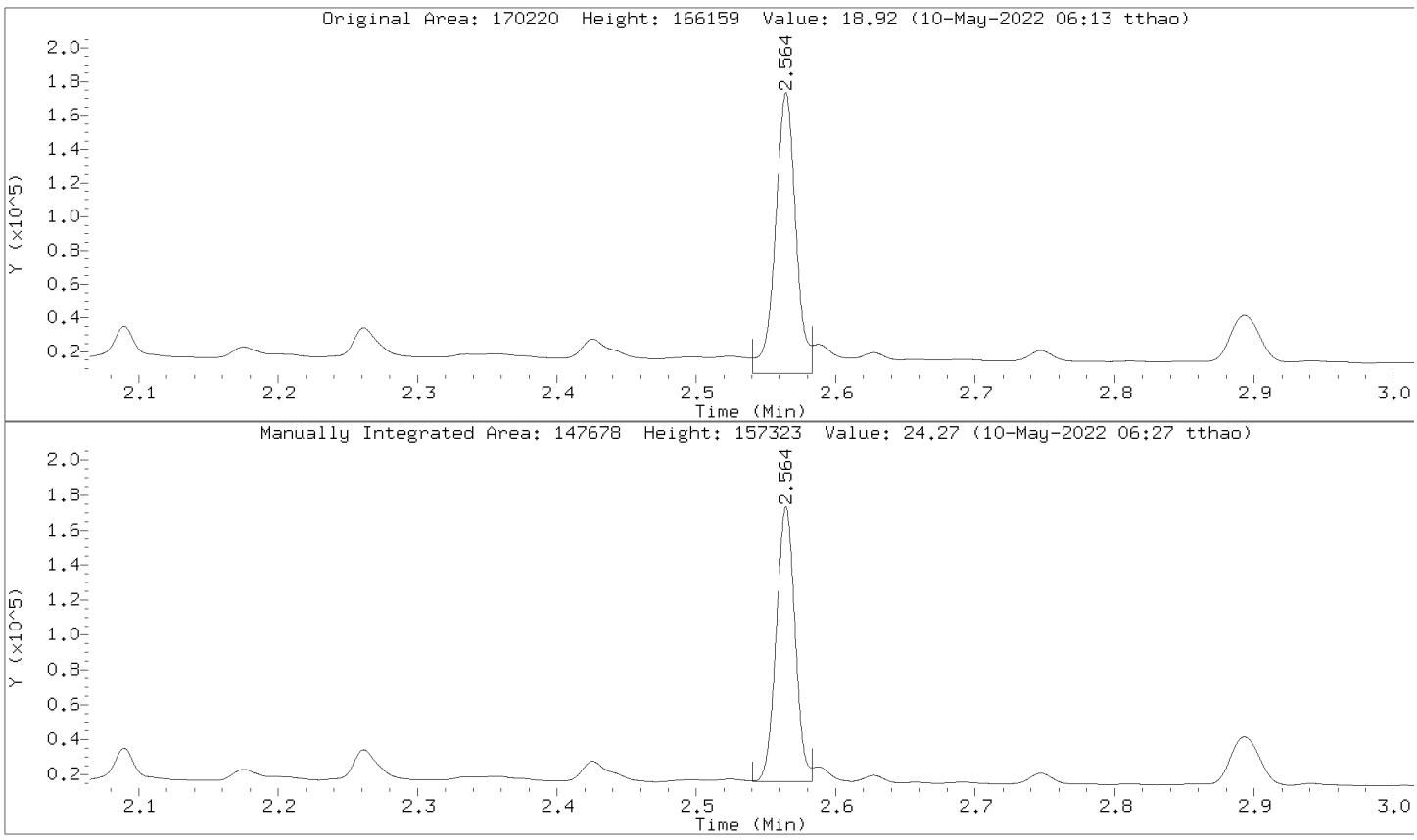
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	894979	894979
DRO by AK 102	1584516	1584516
TPH-DRO (C10-C28)	1810188	1810188
Motor Oil Range (C24-C36)	940953	940953
Diesel Fuel Range	1341847	1341847
Motor Oil Range	1085964	1085964
Diesel Fuel Range SG	1341847	1341847
Motor Oil Range SG	1085964	1085964
C10-C36	2479496	2479496
n-Triacontane (S)	164641	120934
o-Terphenyl (S)	170220	147678

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000030.D
Lab Smp Id: DMO-CAL7,364985:2 Client Smp ID: DMO-CAL7,364985:2
Inj Date : 09-MAY-2022 16:29
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal7,364985:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		2923435	500.000	508	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.565	2.565	0.000	295243	50.0000	48.5	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.017	4.017	0.000	241932	50.0000	49.7	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		1703629	500.000	502	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		3355850	500.000	507	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		1780783	500.000	502	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		4627064	1000.00	1010	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		2466345	500.000	508	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		2466345	500.000	508	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		2065434	500.000	502	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		2065434	500.000	502	(M)	RNG

QC Flag Legend

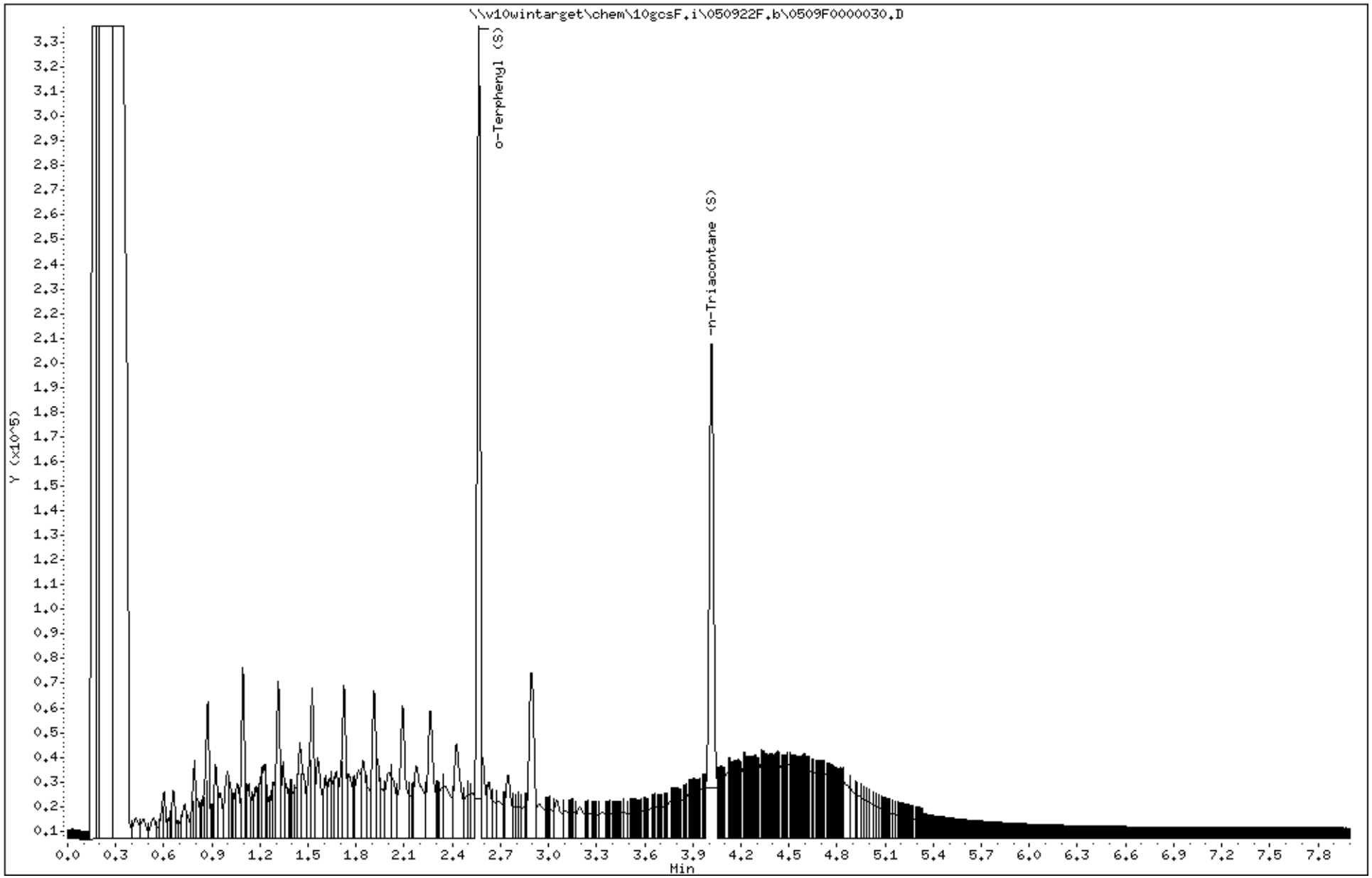
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000030.D
Date : 09-MAY-2022 16:29
Client ID: DMO-CAL7,364985:2
Sample Info: DMO-CAL7,364985:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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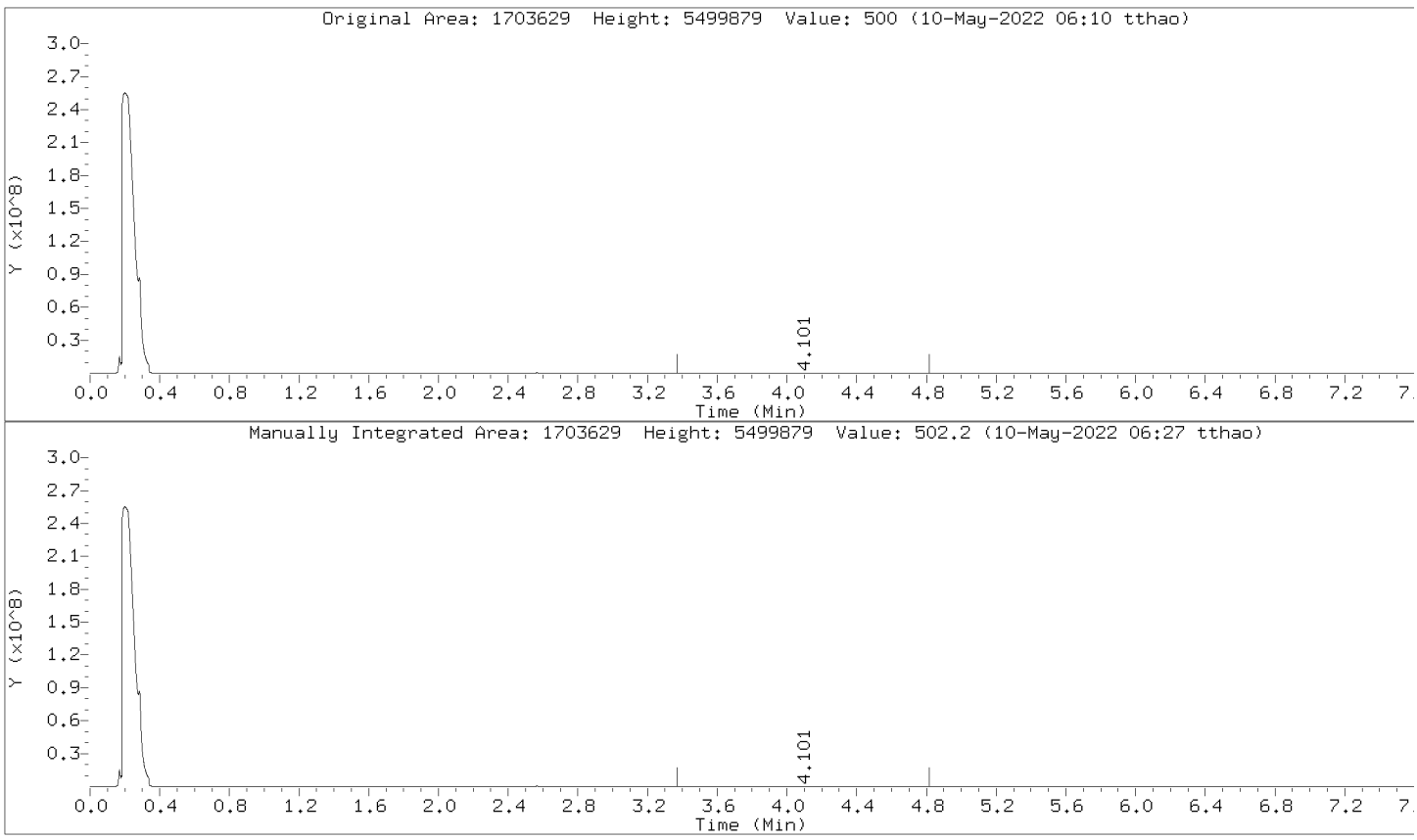
117 of 686
10606561

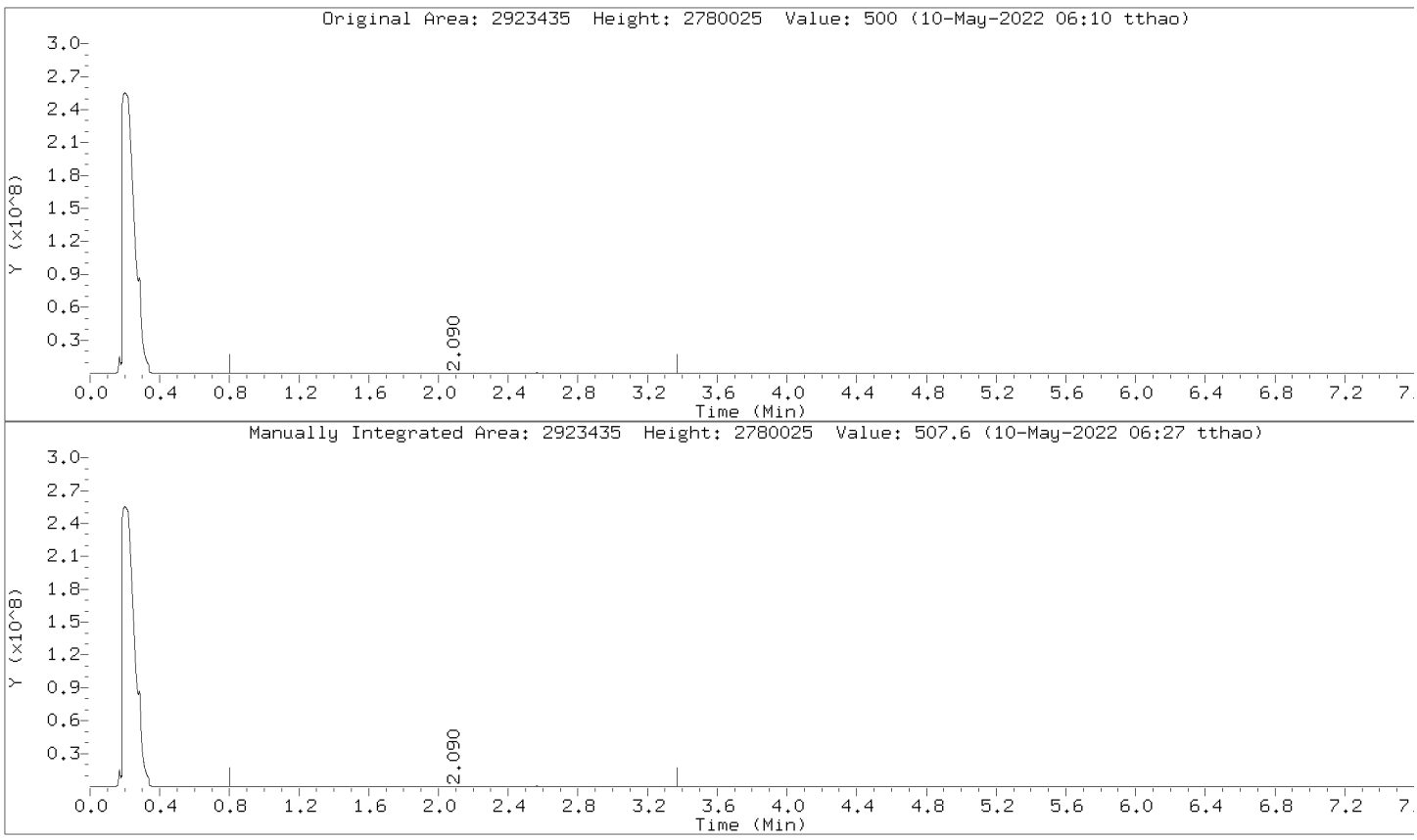
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



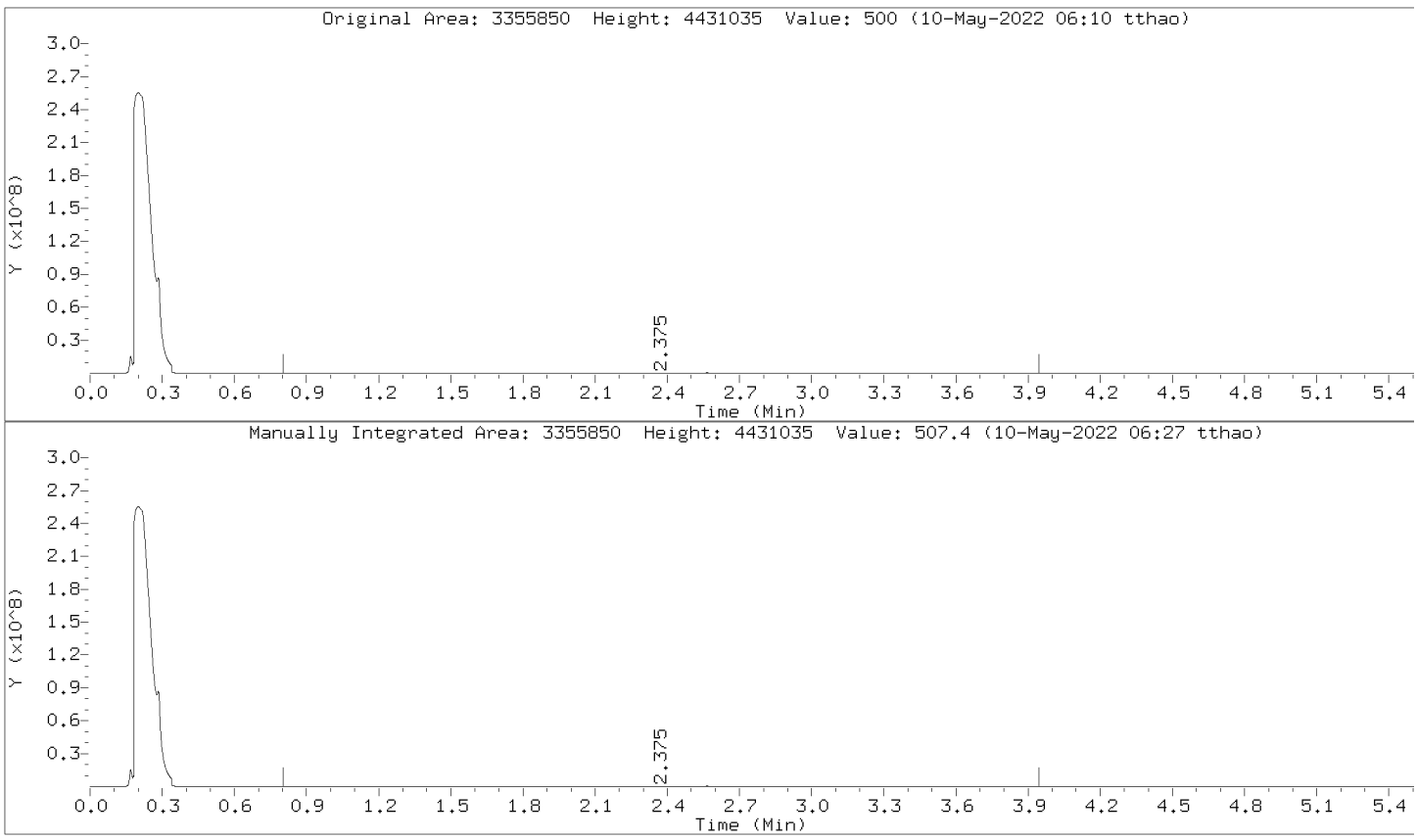
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



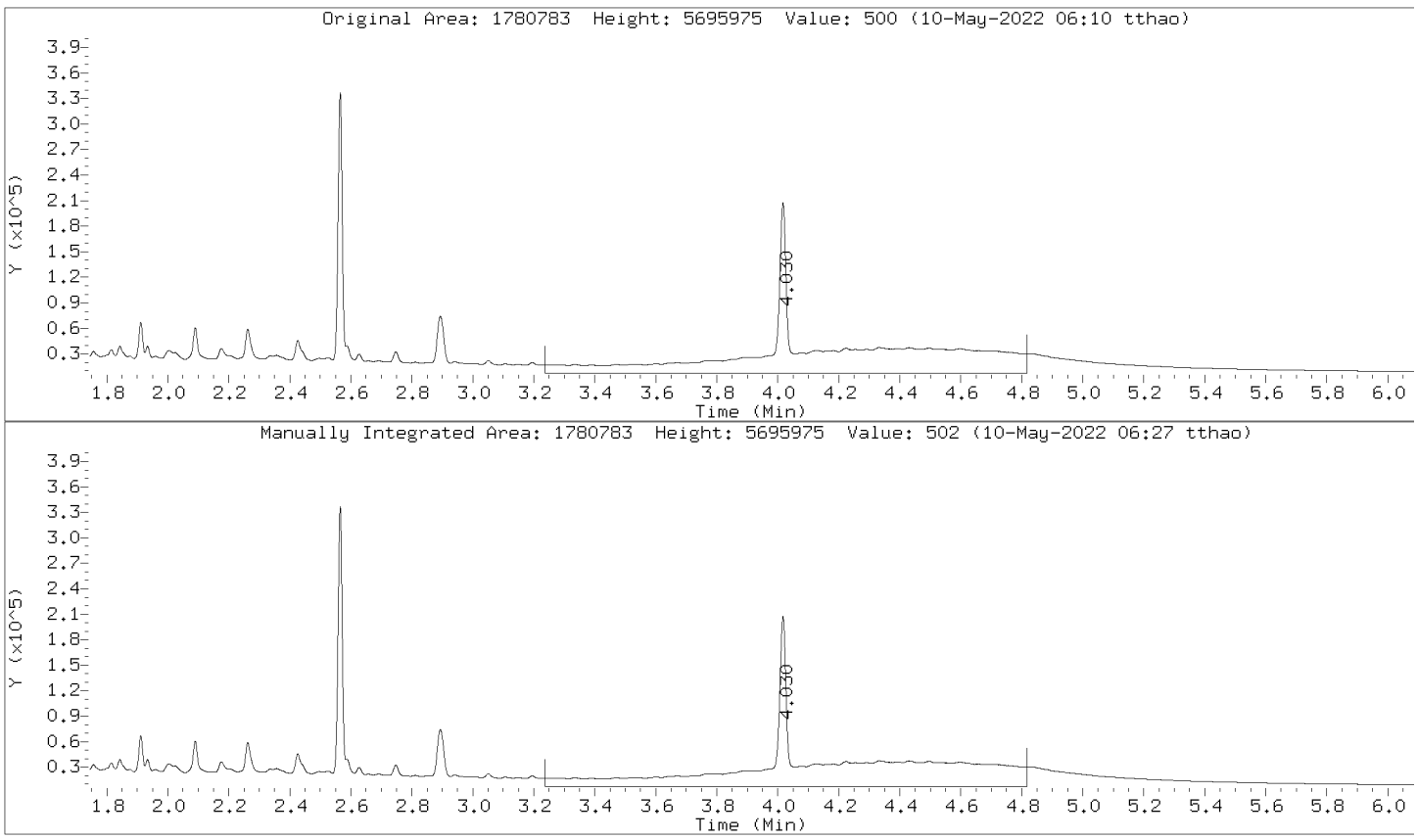
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



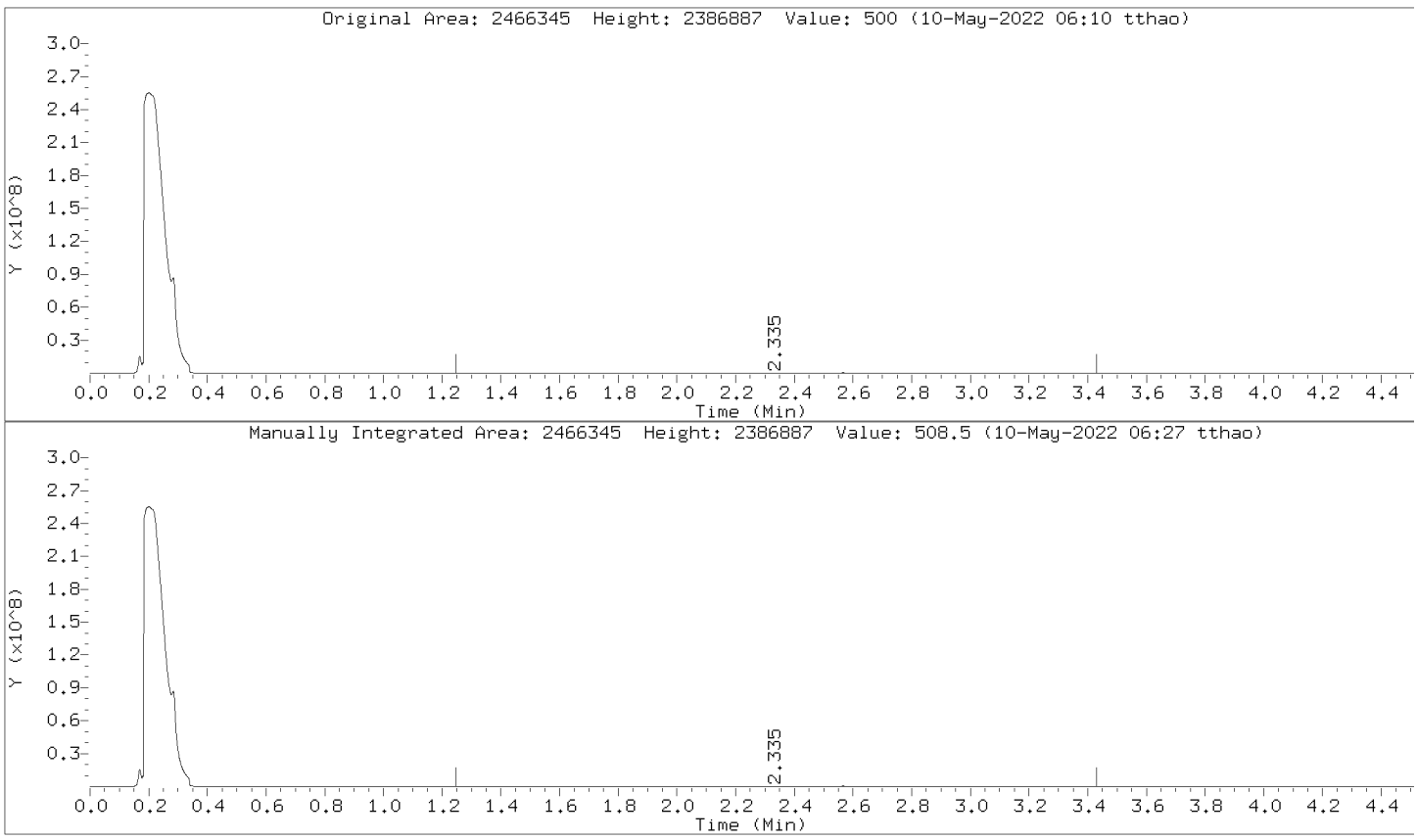
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



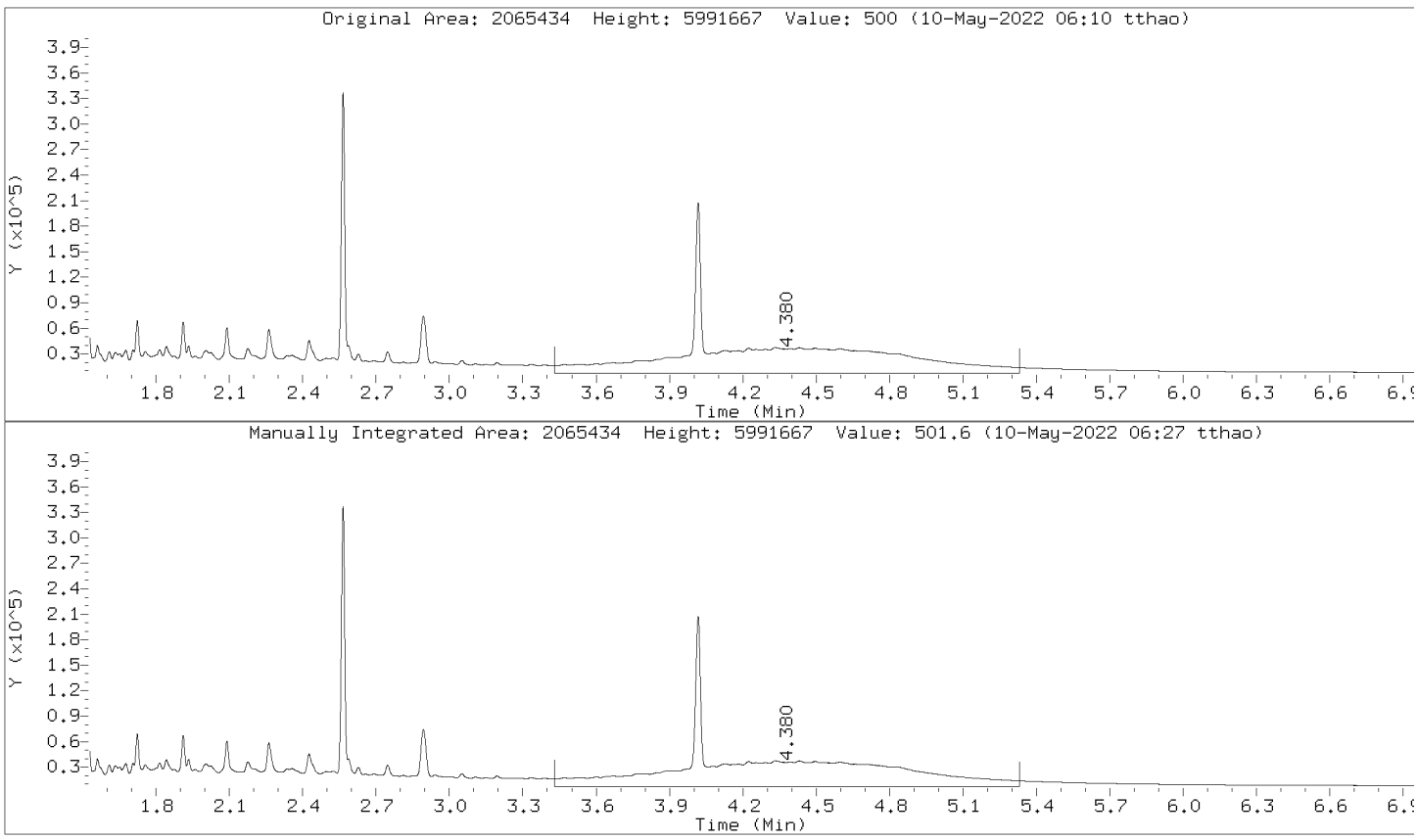
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



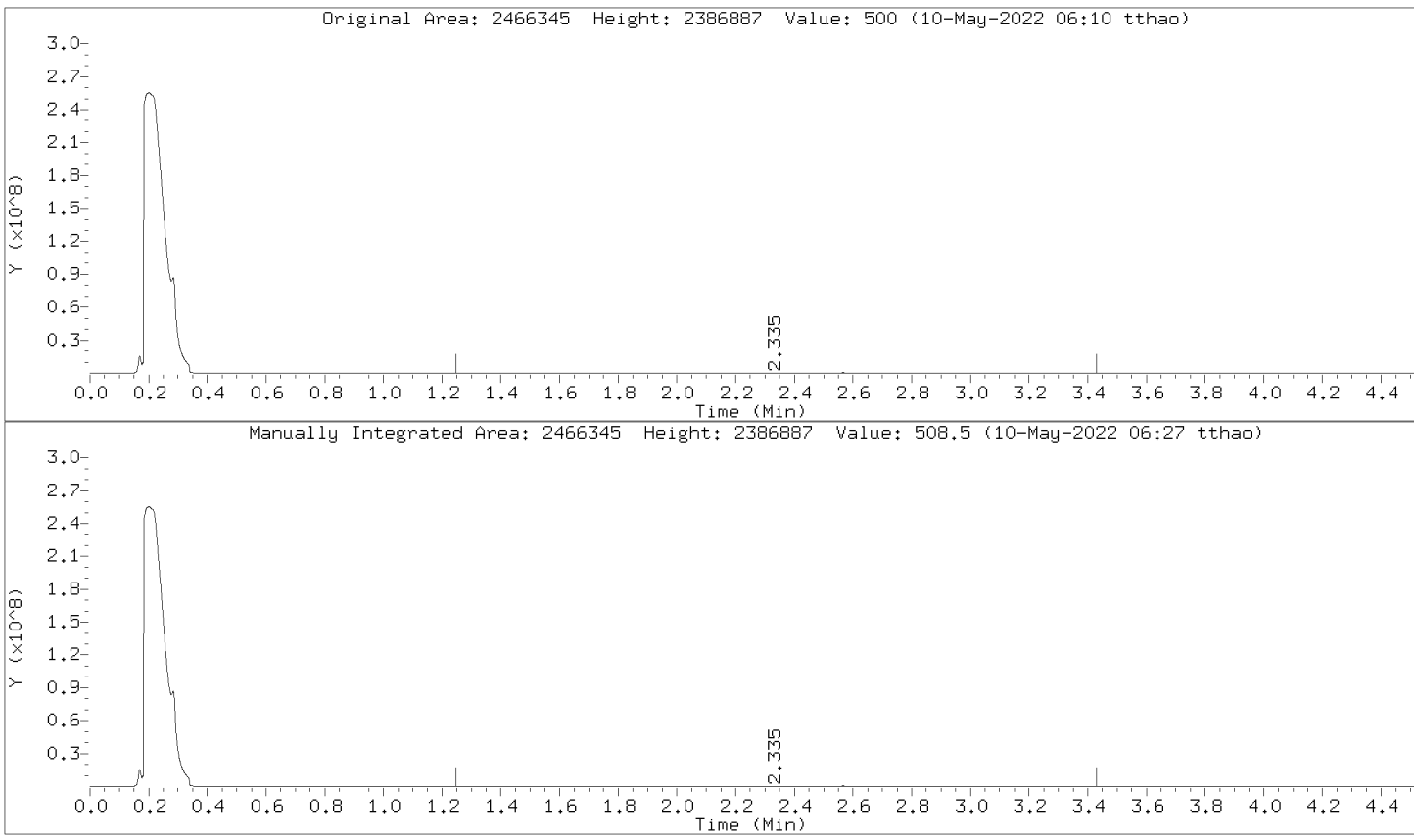
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



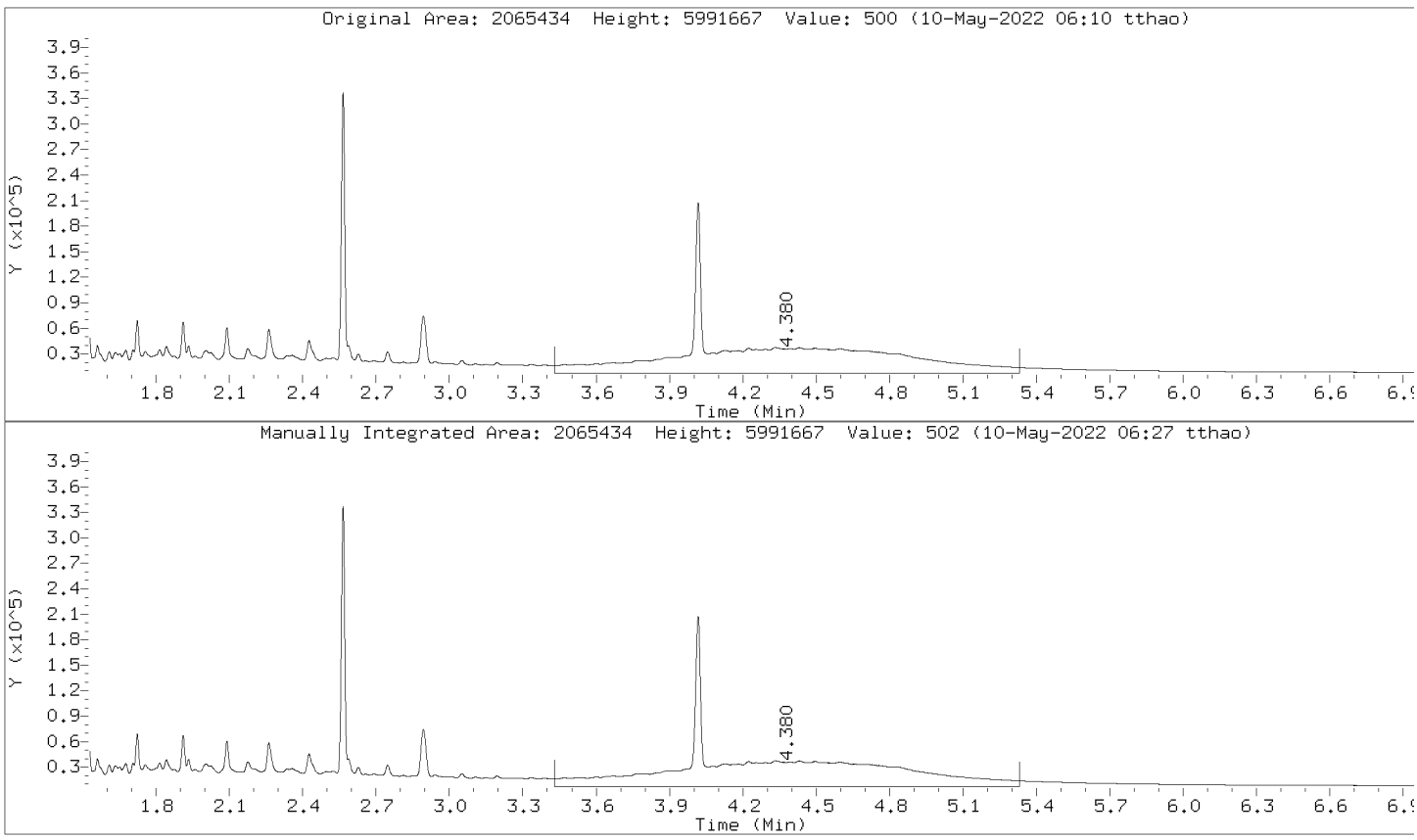
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



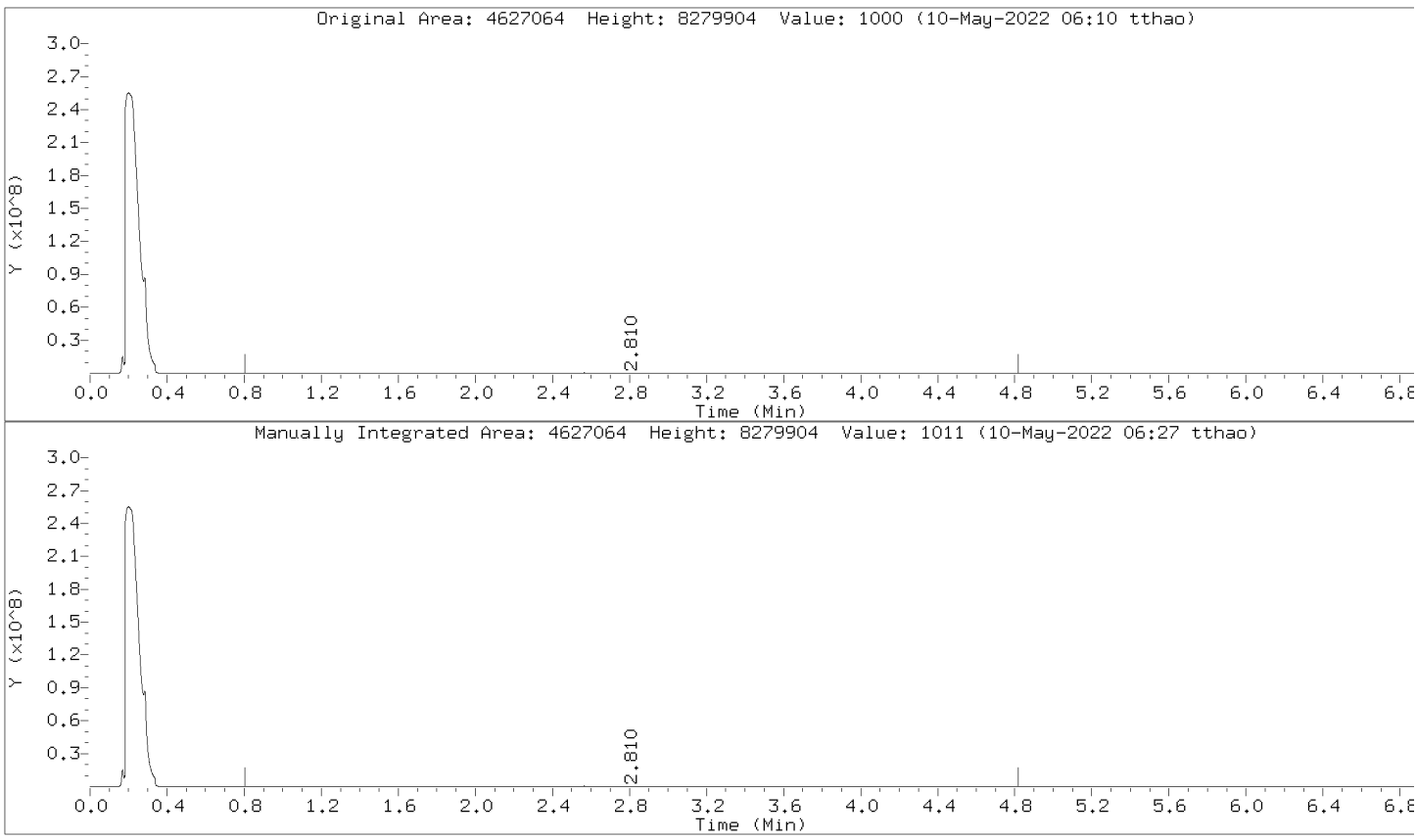
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



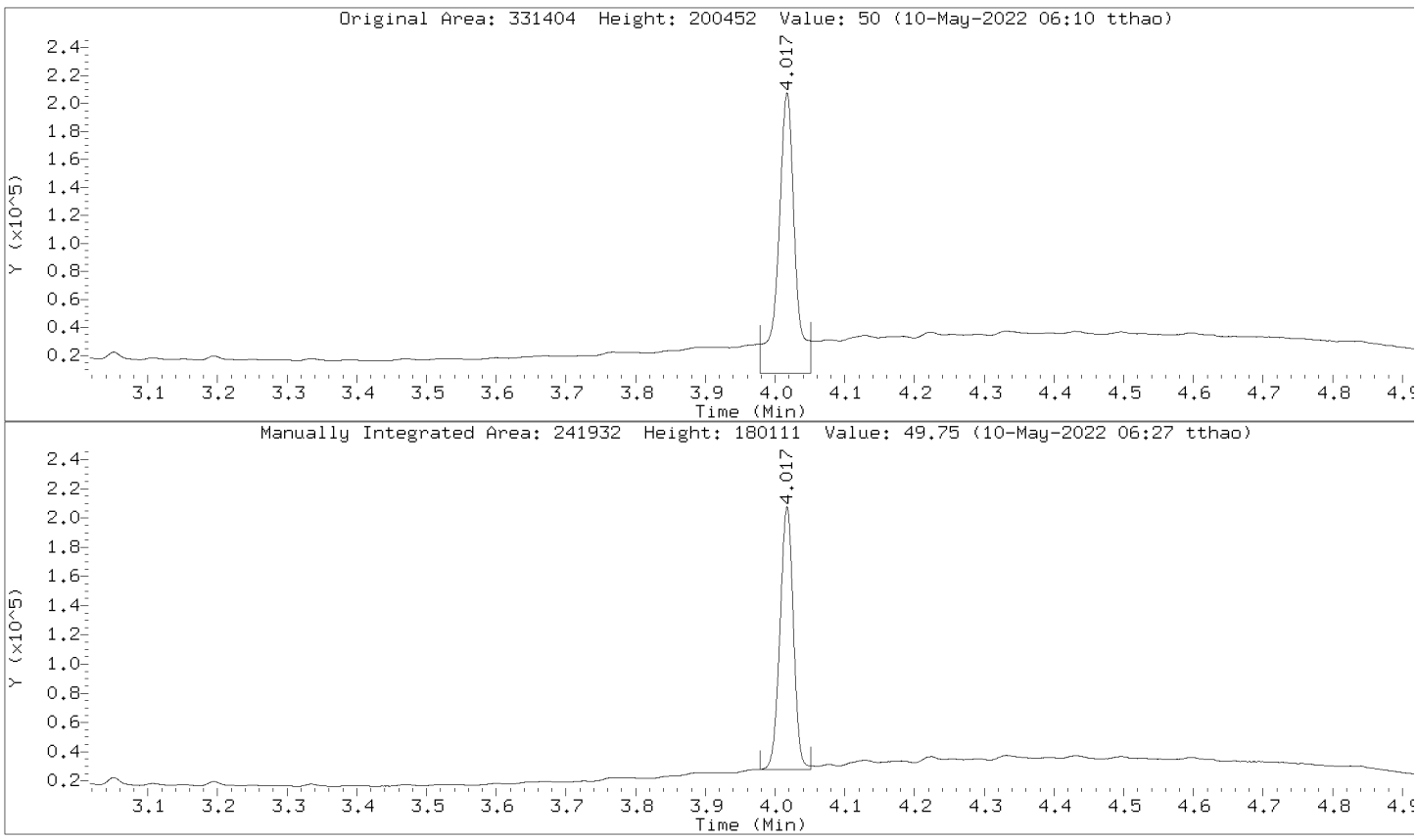
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: C10-C36 Review Code: RNG
CAS Number:



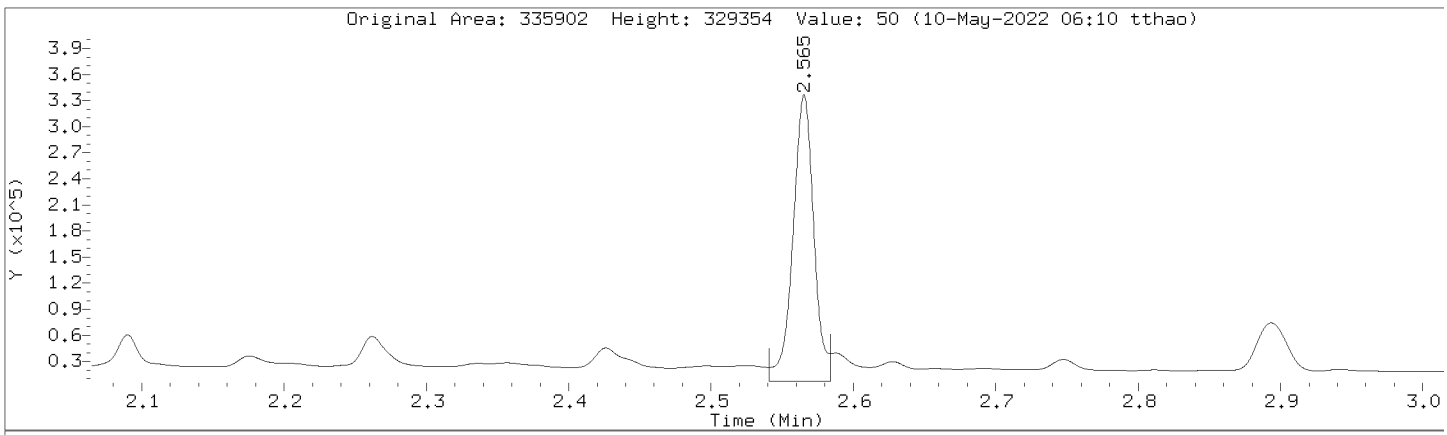
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

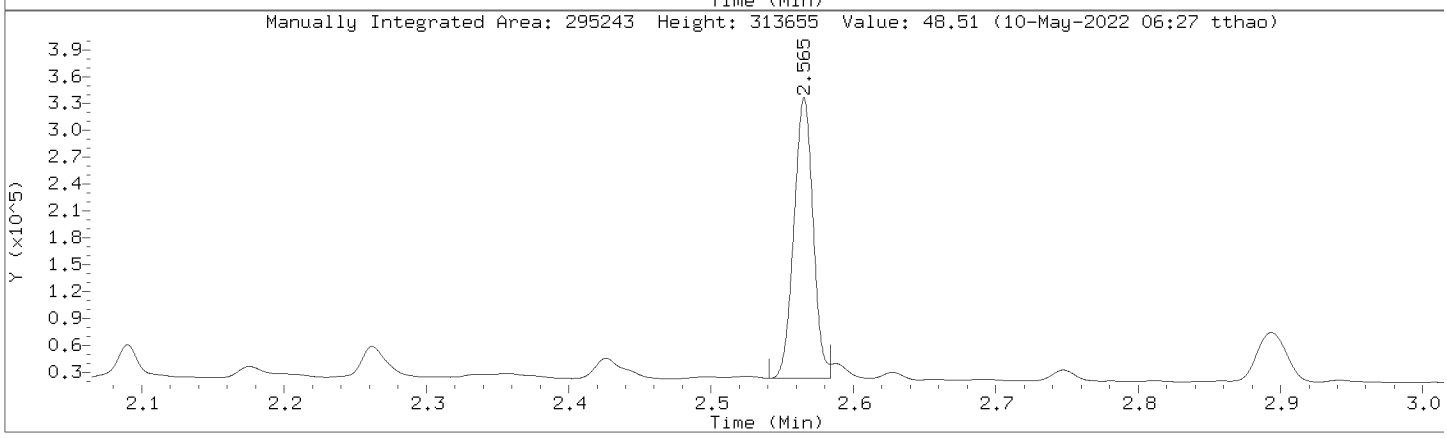
Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:





Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1703629	1703629
DRO by AK 102	2923435	2923435
TPH-DRO (C10-C28)	3355850	3355850
Motor Oil Range (C24-C36)	1780783	1780783
Diesel Fuel Range	2466345	2466345
Motor Oil Range	2065434	2065434
Diesel Fuel Range SG	2466345	2466345
Motor Oil Range SG	2065434	2065434
C10-C36	4627064	4627064
n-Triacontane (S)	331404	241932
o-Terphenyl (S)	335902	295243

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000031.D
Lab Smp Id: DMO-CAL8,364986:2 Client Smp ID: DMO-CAL8,364986:2
Inj Date : 09-MAY-2022 16:41
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal8,364986:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 10 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		5582380	1000.00	1020	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.566	2.565	0.001	588897	100.000	96.8	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.019	4.017	0.002	483352	100.000	99.4	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		3317081	1000.00	1000	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		6405840	1000.00	1020	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		3460735	1000.00	1000	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		8899462	2000.00	2030	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		4693570	1000.00	1020	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		4693570	1000.00	1020	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		3996918	1000.00	998	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		3996918	1000.00	998	(M)	RNG

QC Flag Legend

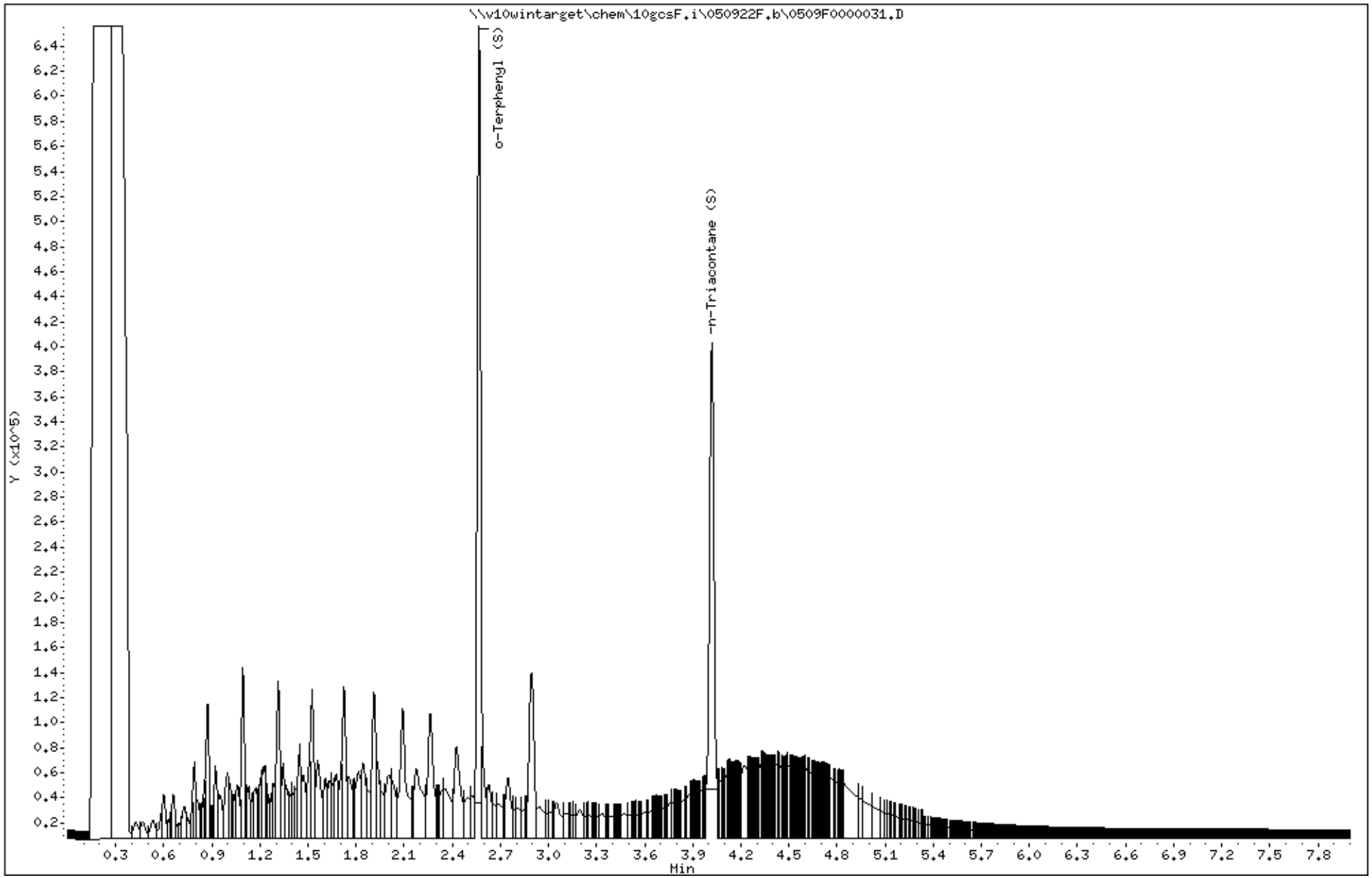
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000031.D
Date : 09-MAY-2022 16:41
Client ID: DMO-CAL8,364986:2
Sample Info: DMO-CAL8,364986:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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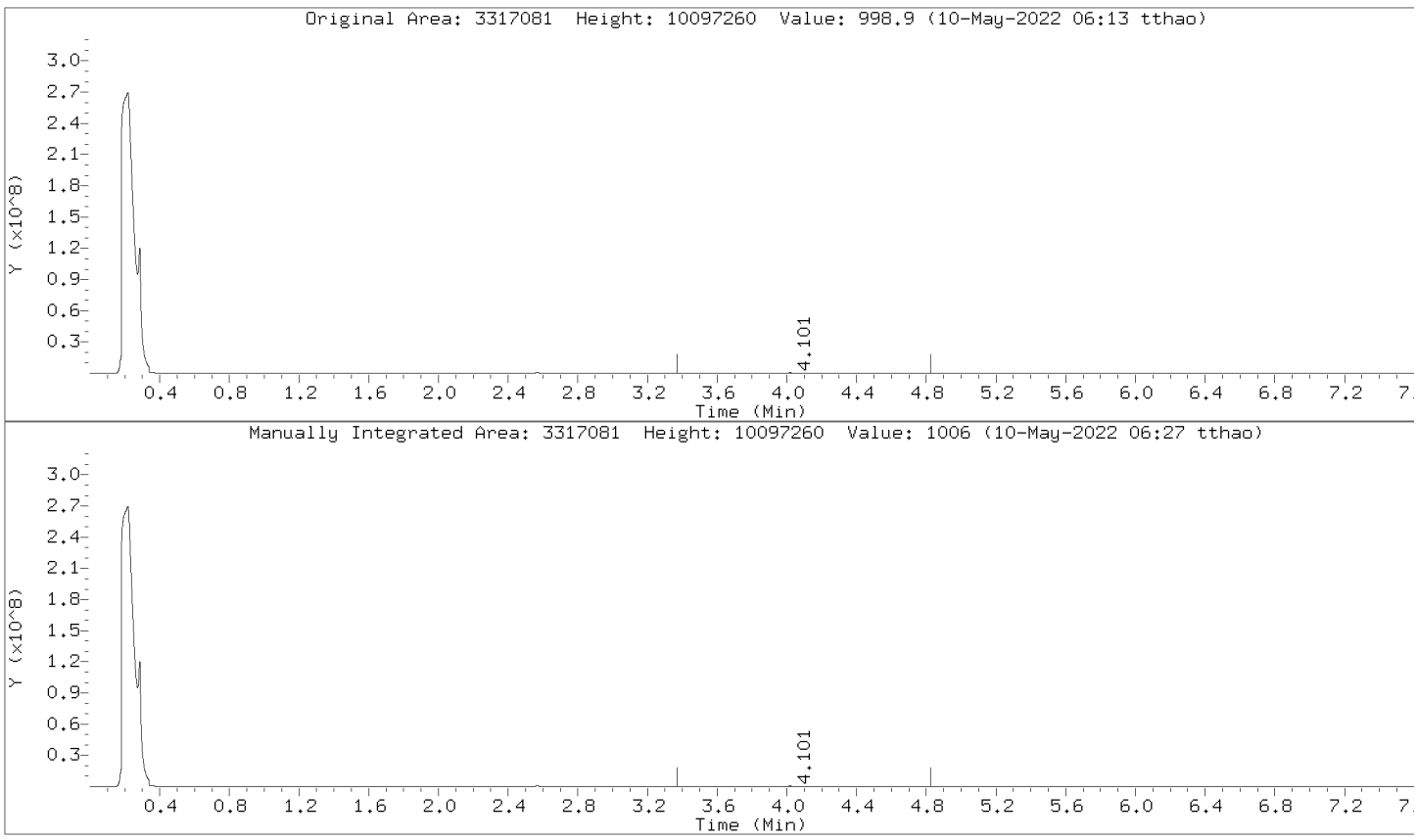
131 of 686
10606561

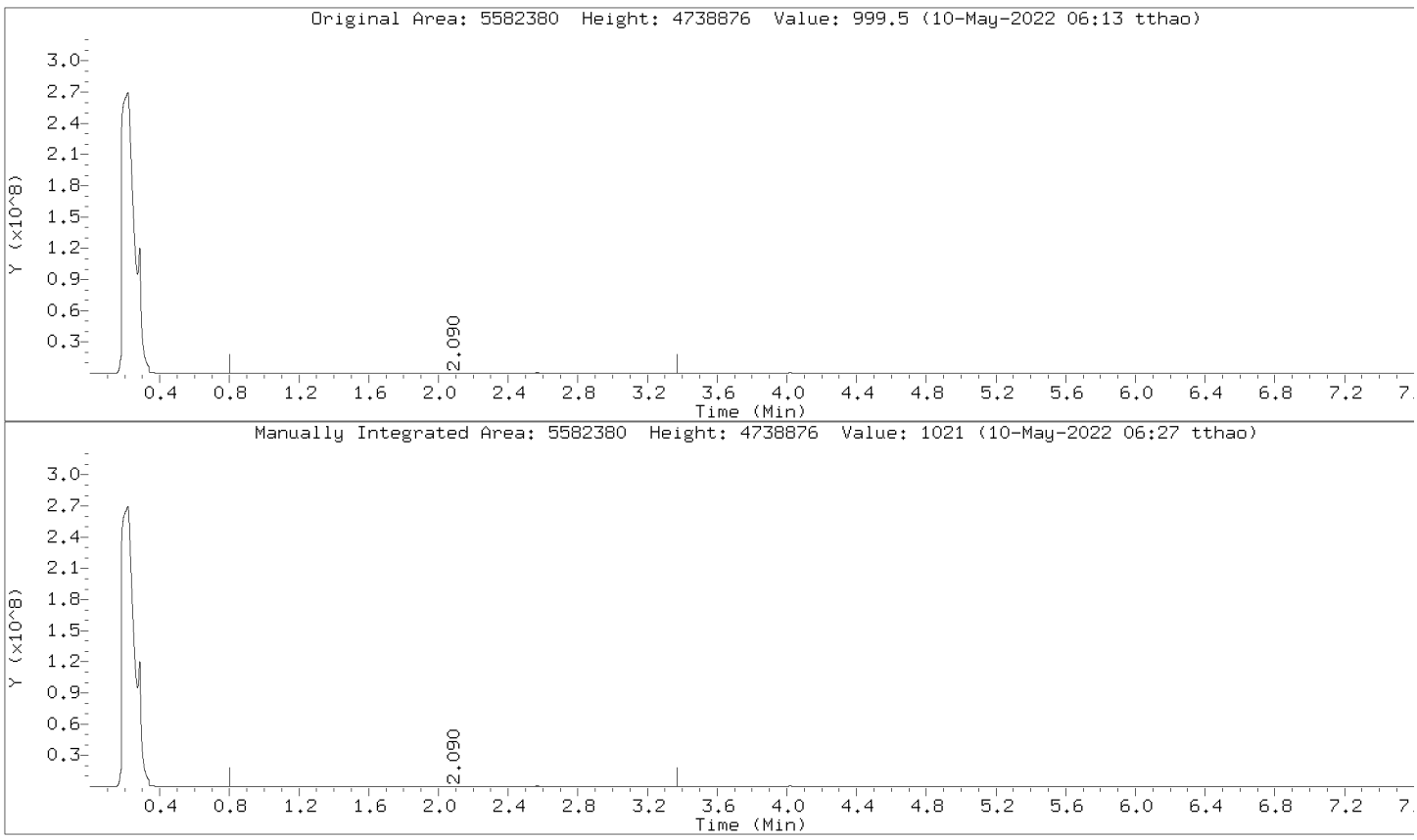
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



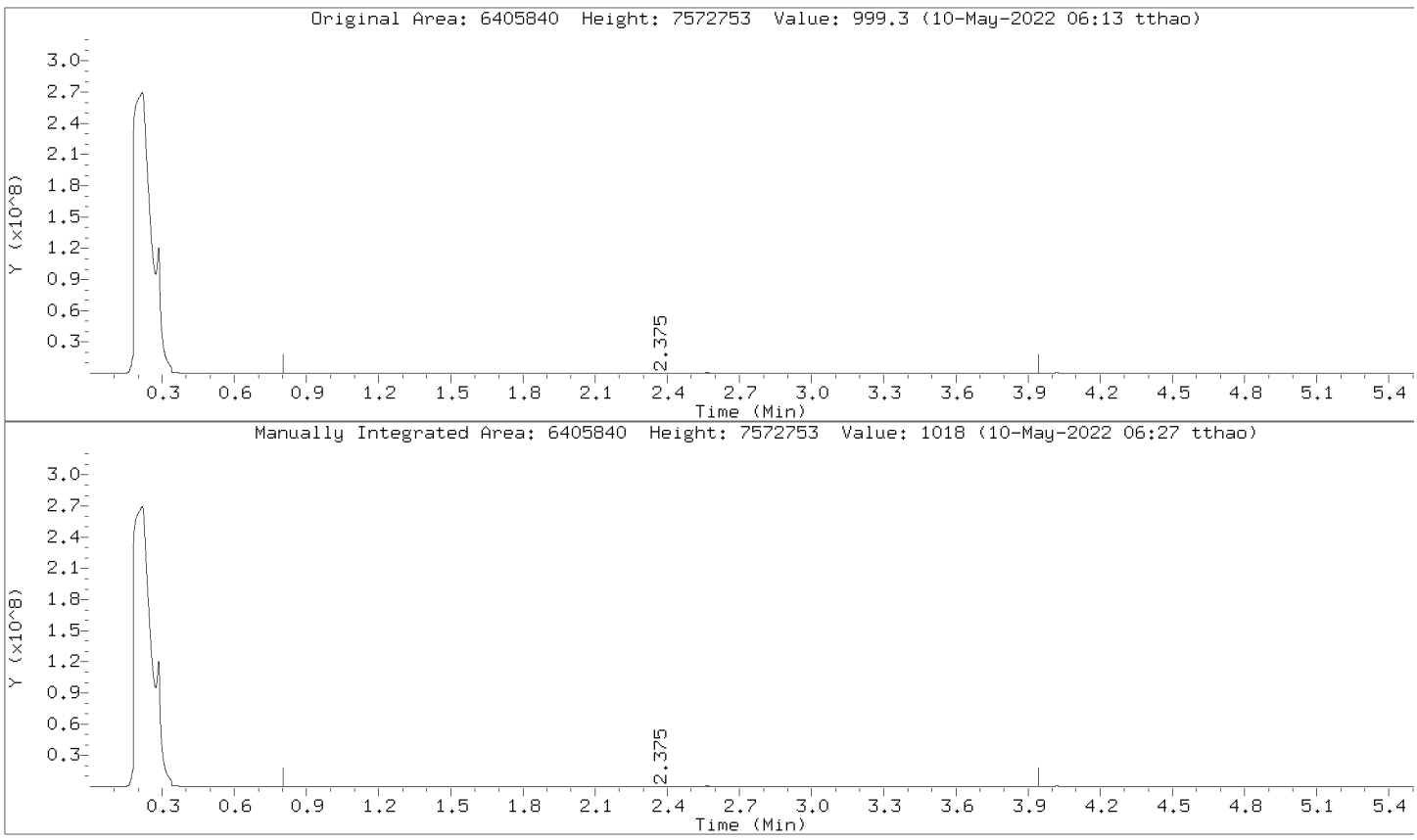
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



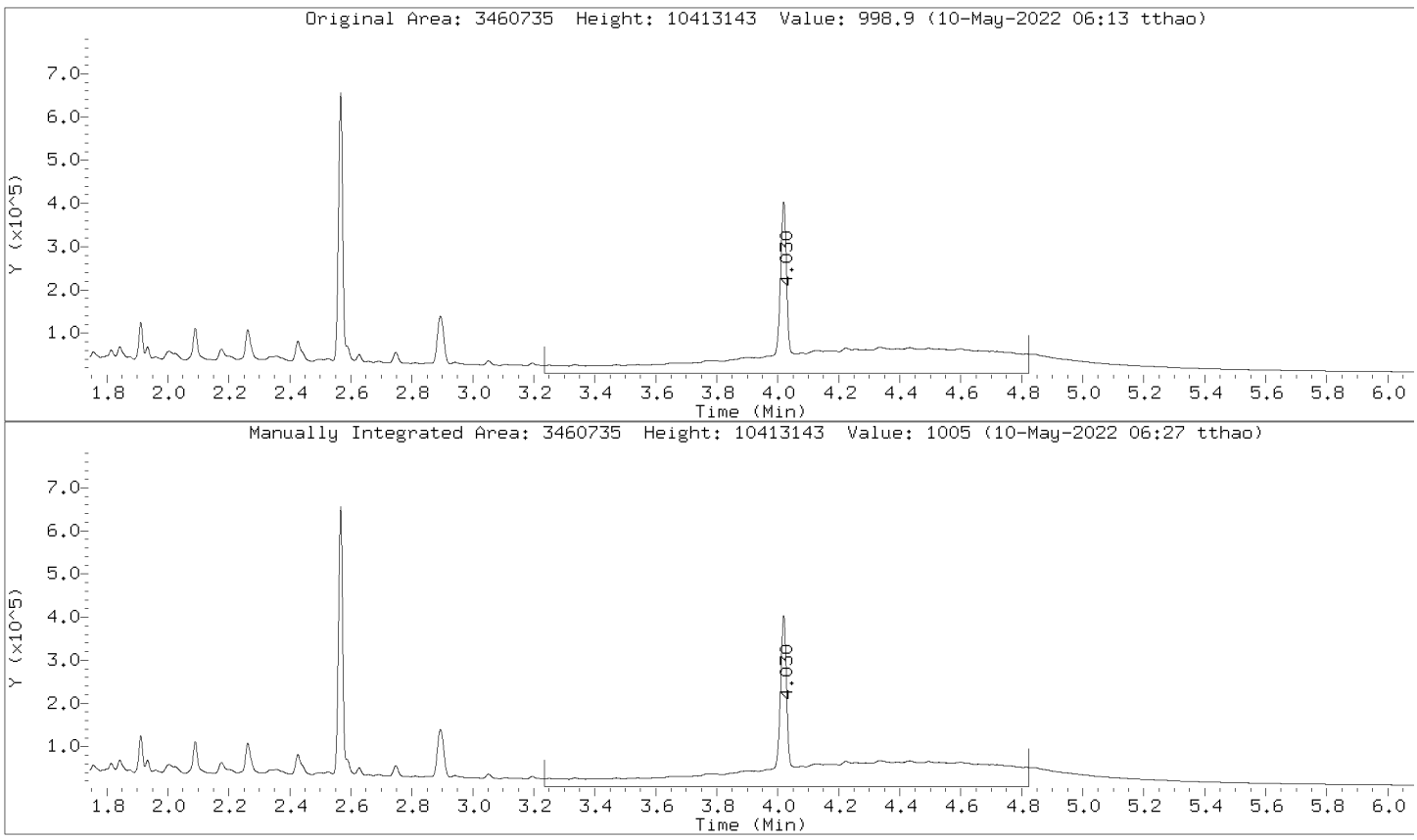
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



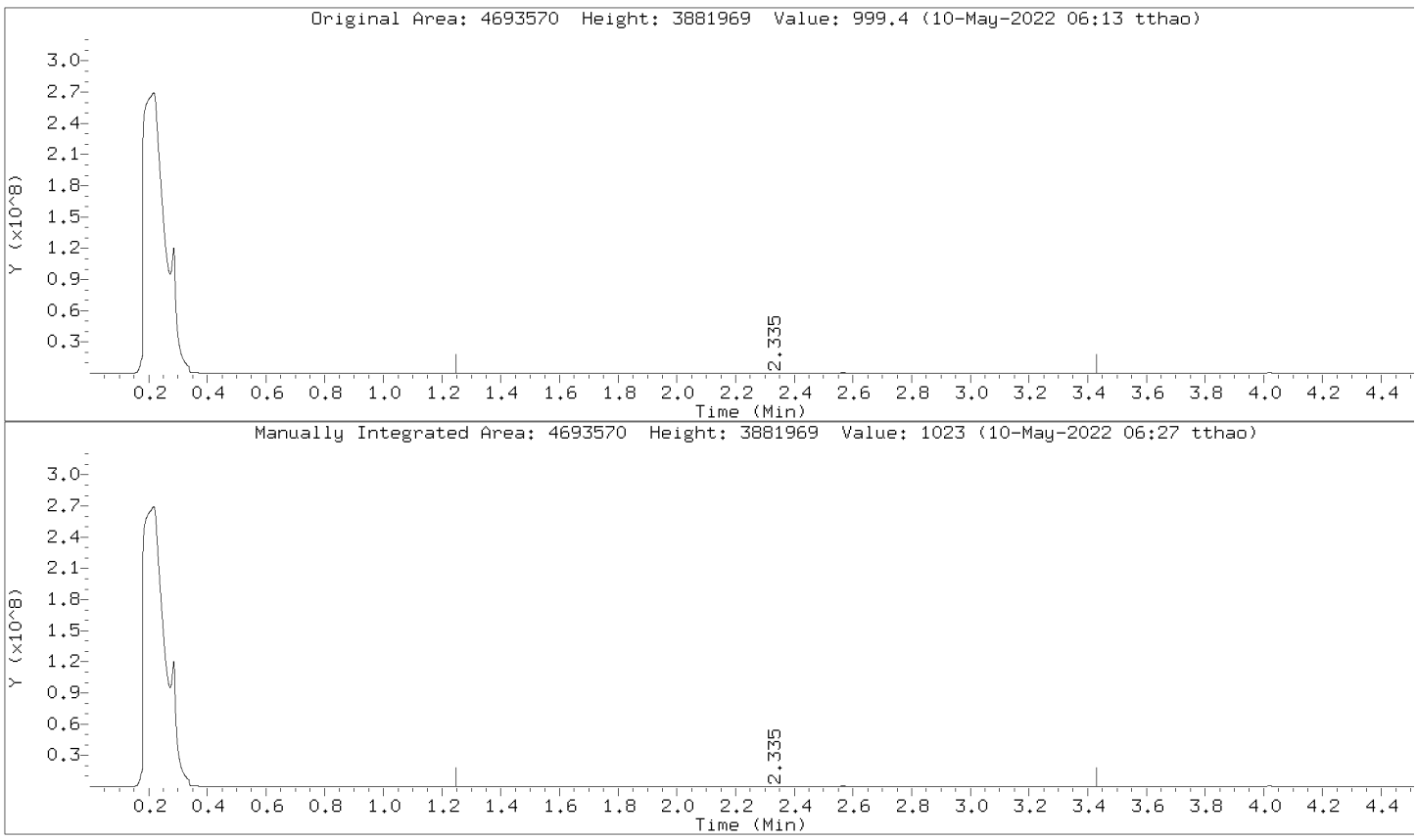
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



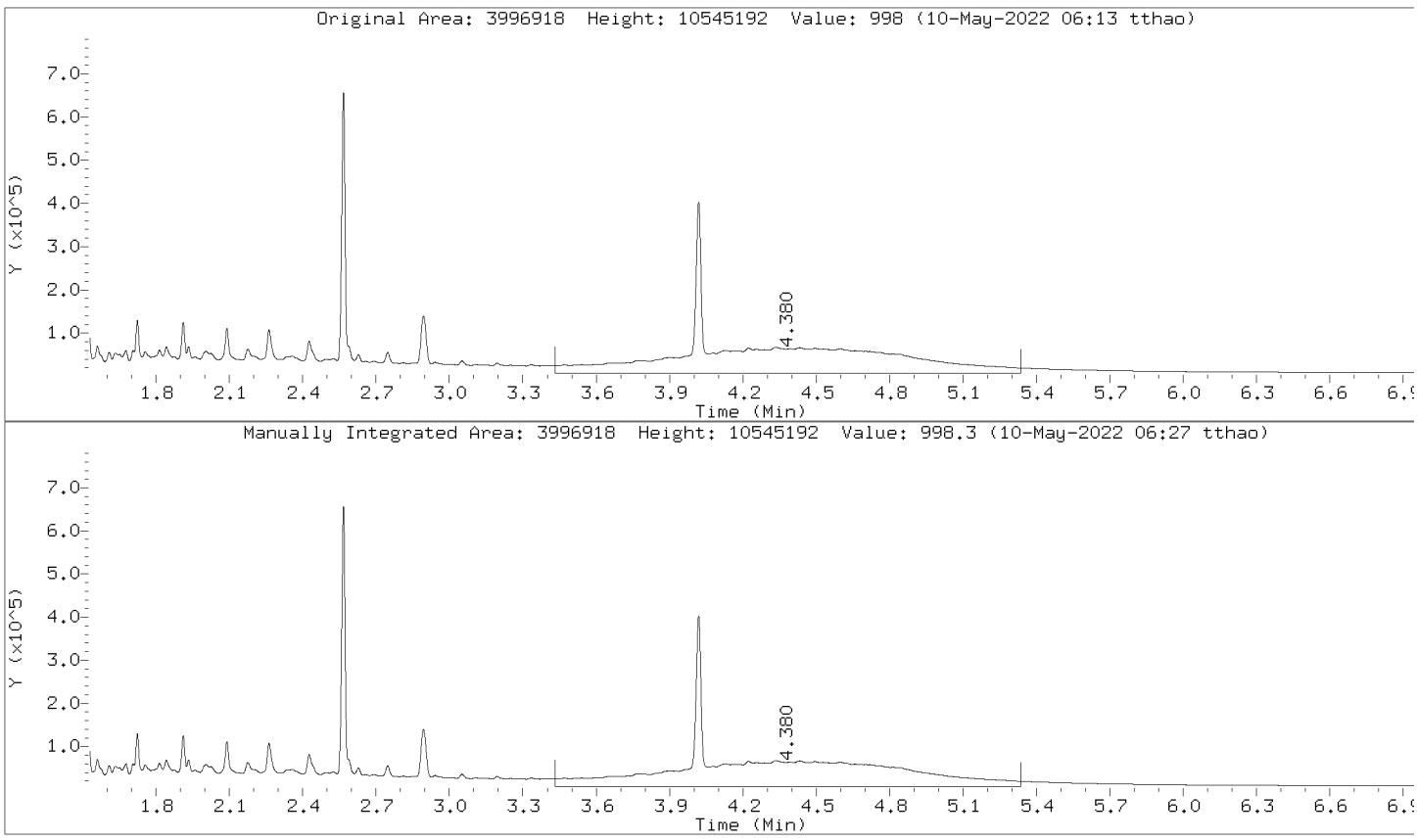
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



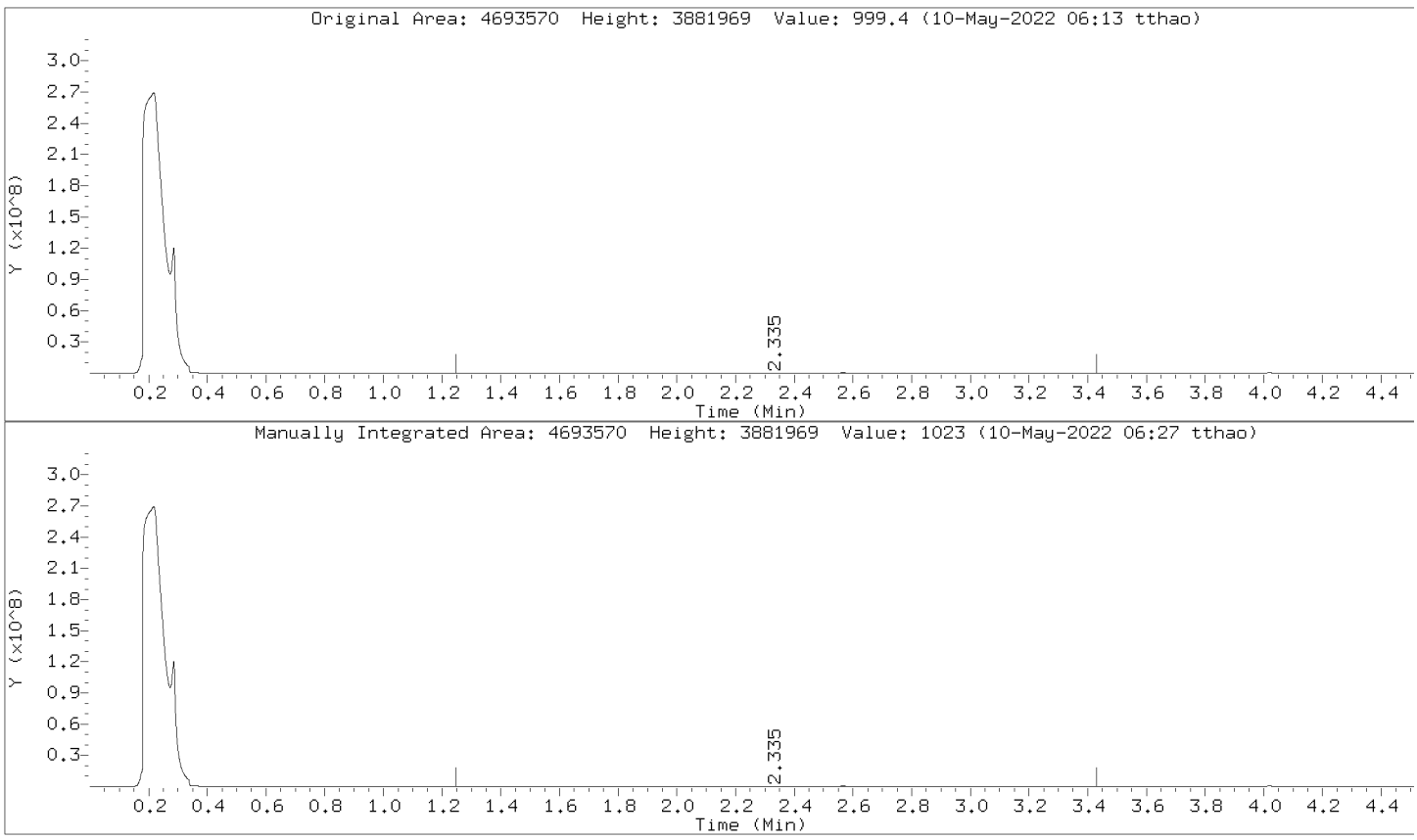
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



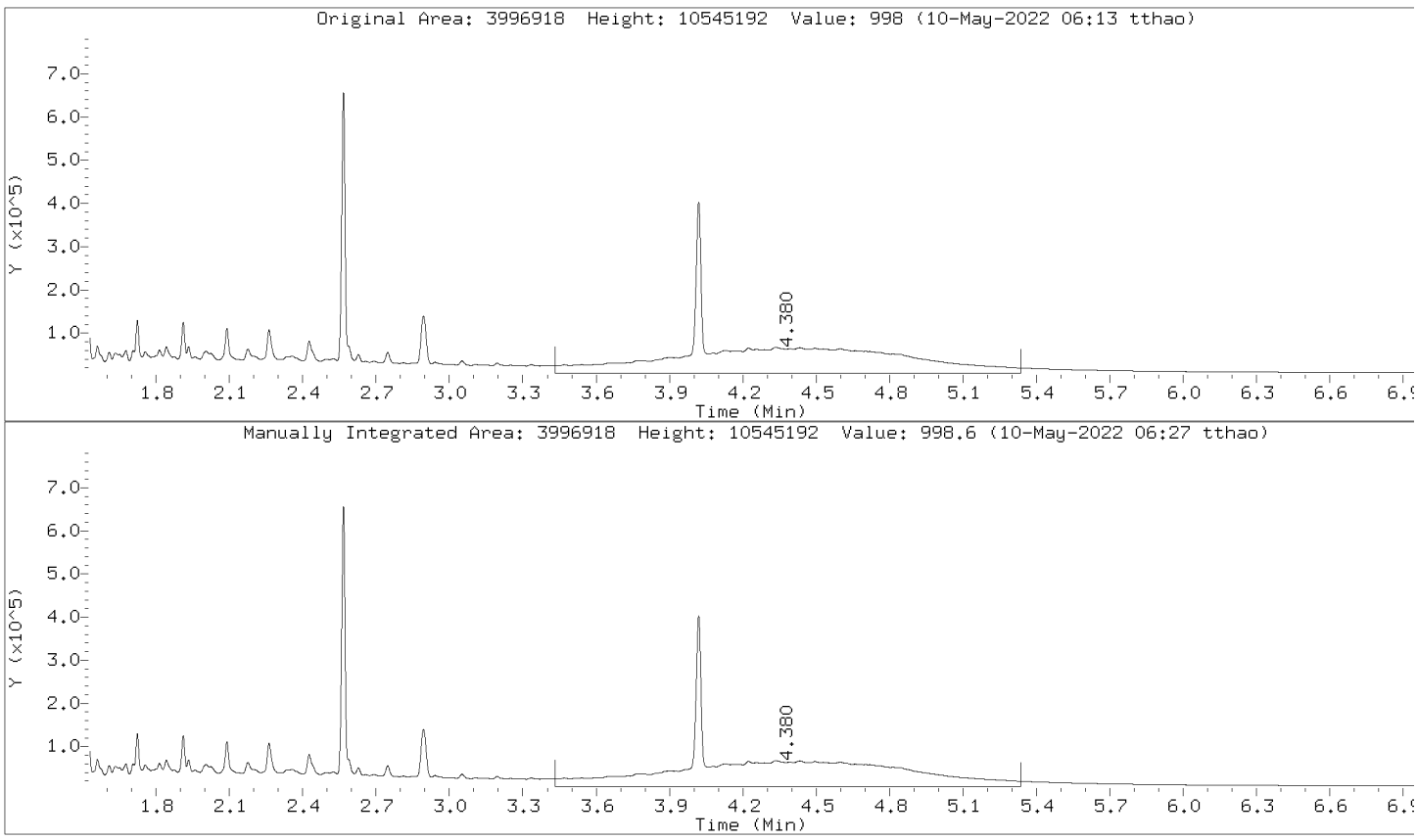
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



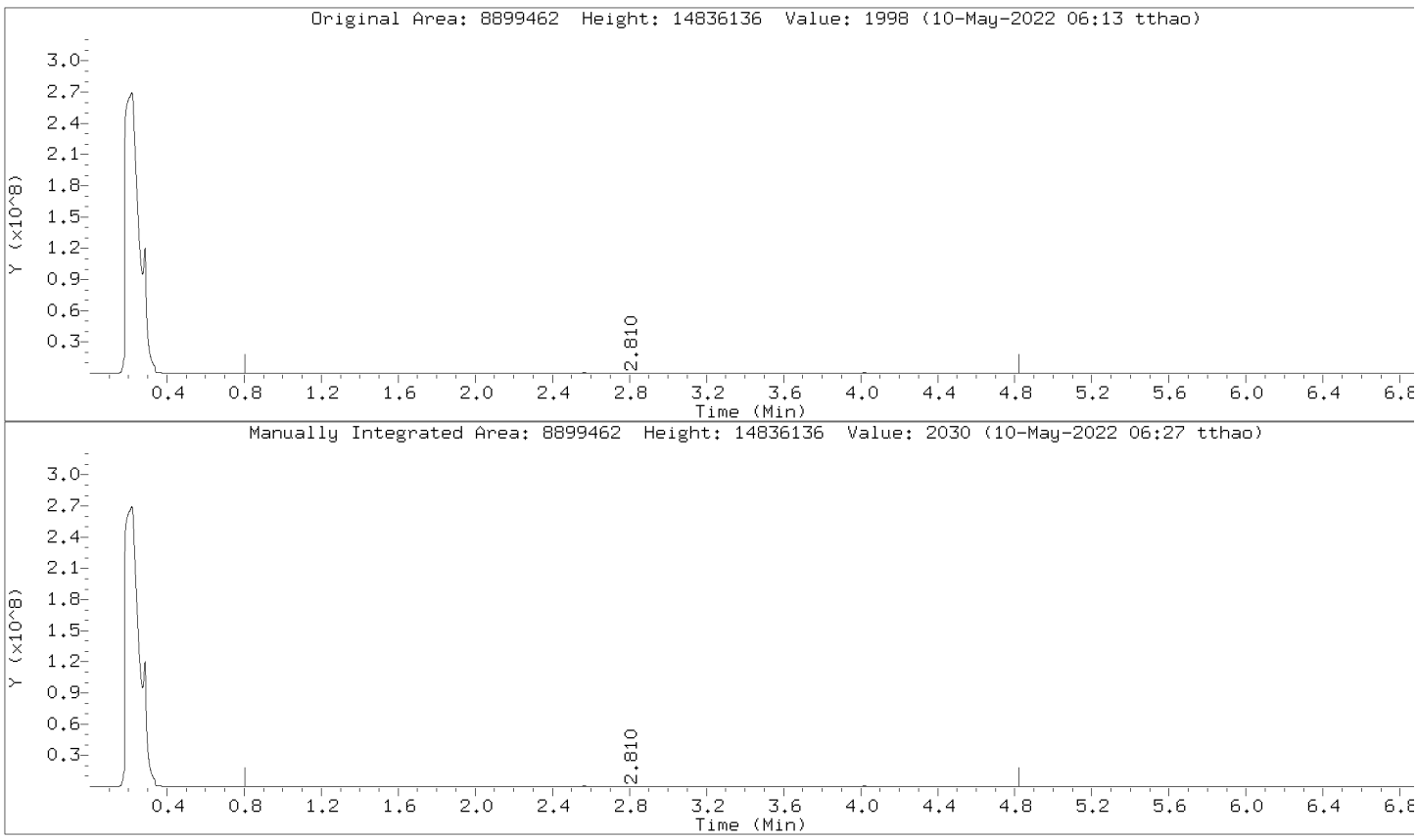
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



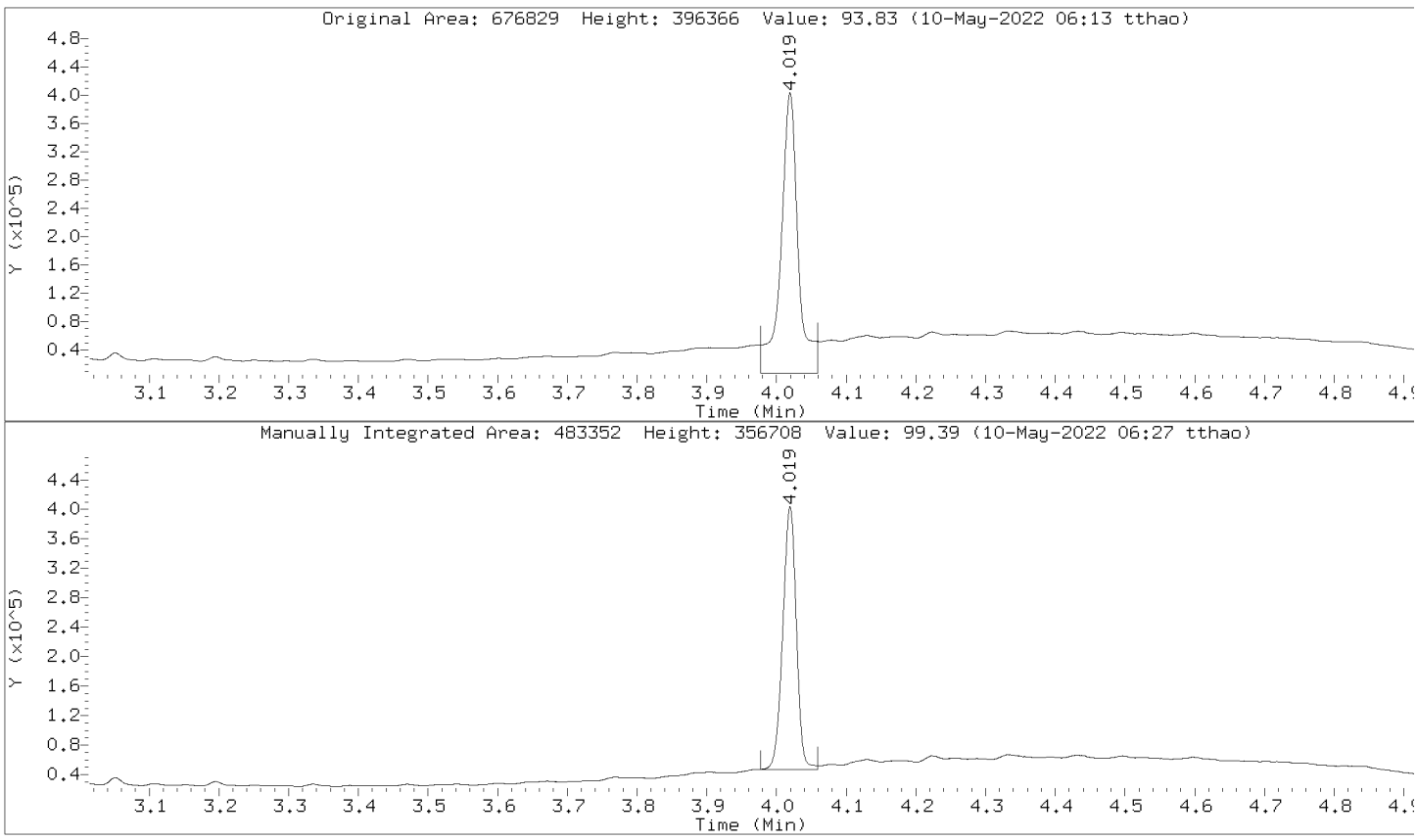
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: C10-C36 Review Code: RNG
CAS Number:



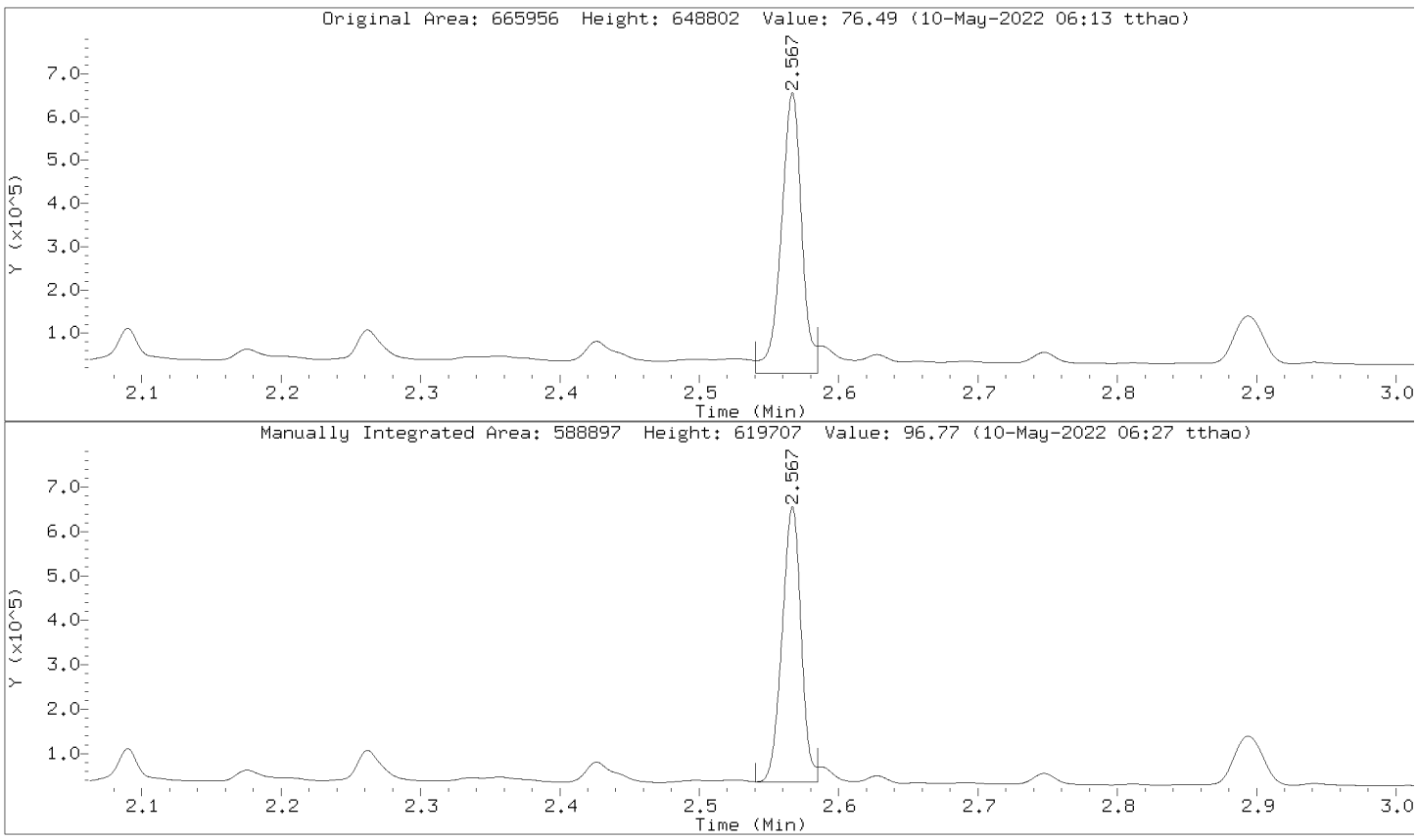
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	3317081	3317081
DRO by AK 102	5582380	5582380
TPH-DRO (C10-C28)	6405840	6405840
Motor Oil Range (C24-C36)	3460735	3460735
Diesel Fuel Range	4693570	4693570
Motor Oil Range	3996918	3996918
Diesel Fuel Range SG	4693570	4693570
Motor Oil Range SG	3996918	3996918
C10-C36	8899462	8899462
n-Triacontane (S)	676829	483352
o-Terphenyl (S)	665956	588897

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000032.D
Lab Smp Id: DMO-CAL9,364987:2 Client Smp ID: DMO-CAL9,364987:2
Inj Date : 09-MAY-2022 16:53
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal9,364987:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 11 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		10708209	2000.00	2010	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.570	2.565	0.005	1218261	200.000	200	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.023	4.017	0.006	949227	200.000	195	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		6584732	2000.00	2020	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		12324573	2000.00	2010	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		6862239	2000.00	2020	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		17292941	4000.00	4030	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		8970491	2000.00	2010	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		8970491	2000.00	2010	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		8005827	2000.00	2030	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		8005827	2000.00	2030	(M)	RNG

QC Flag Legend

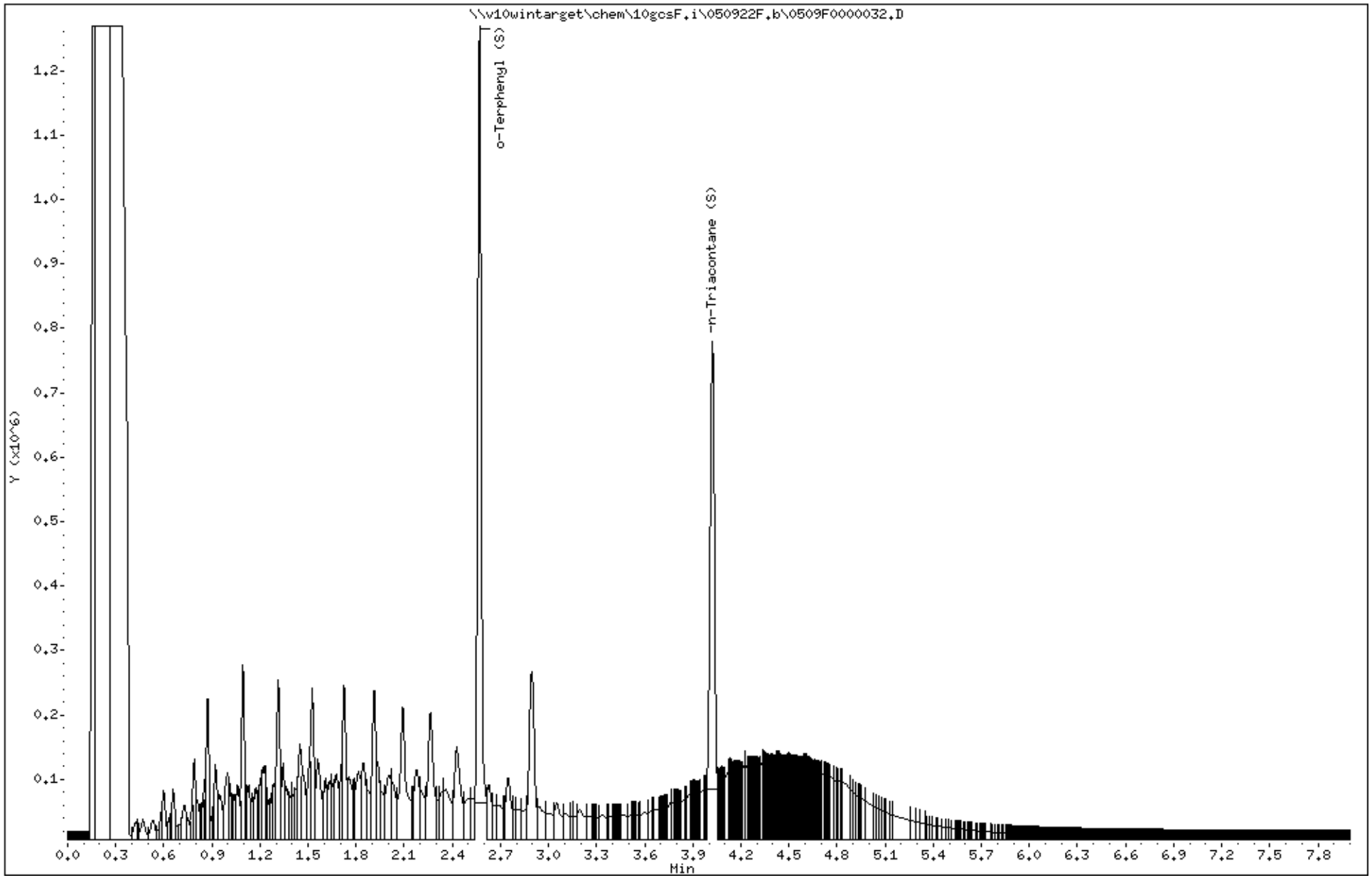
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000032.D
Date : 09-MAY-2022 16:53
Client ID: DMO-CAL9,364987:2
Sample Info: DMO-CAL9,364987:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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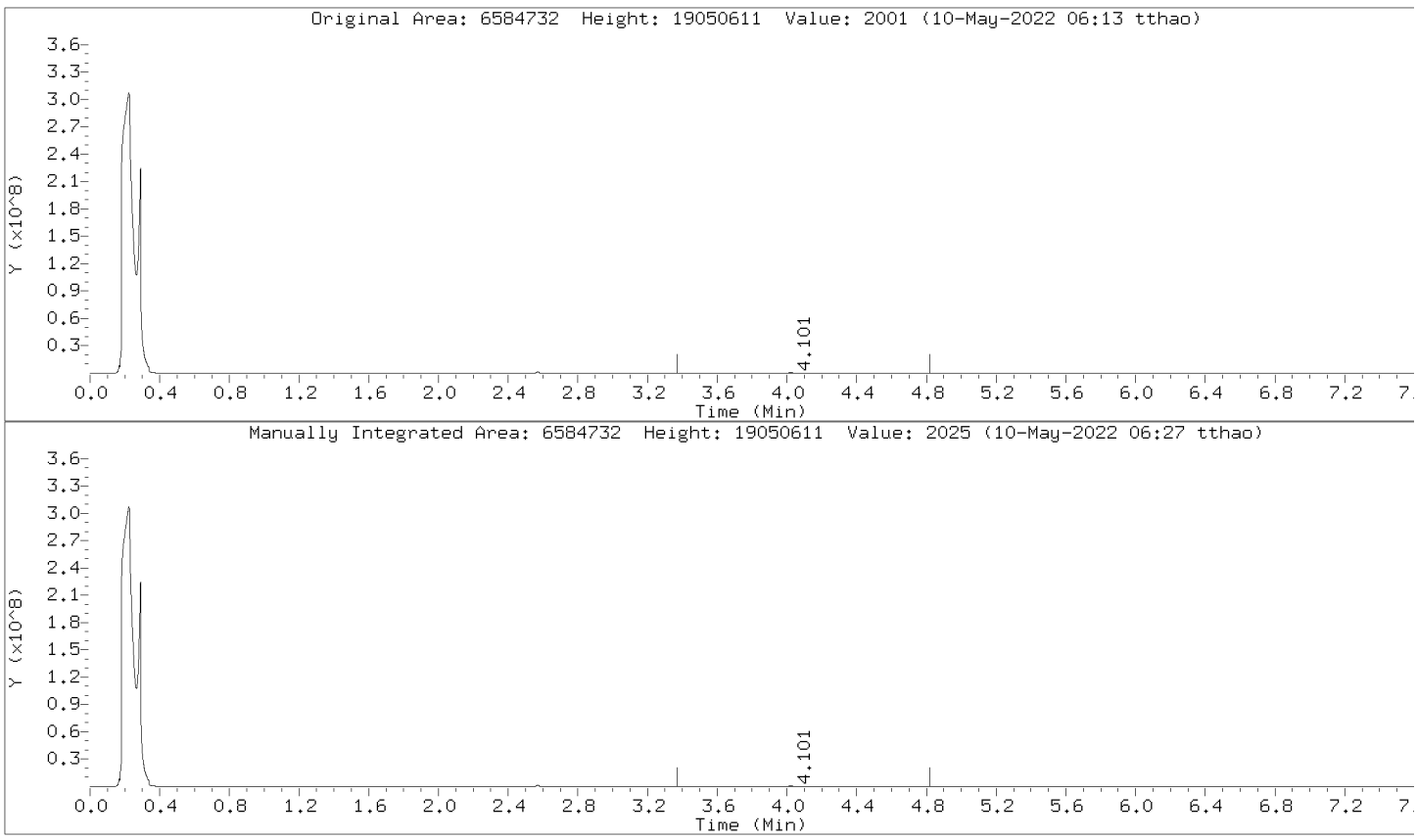
145 of 686
10606561

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



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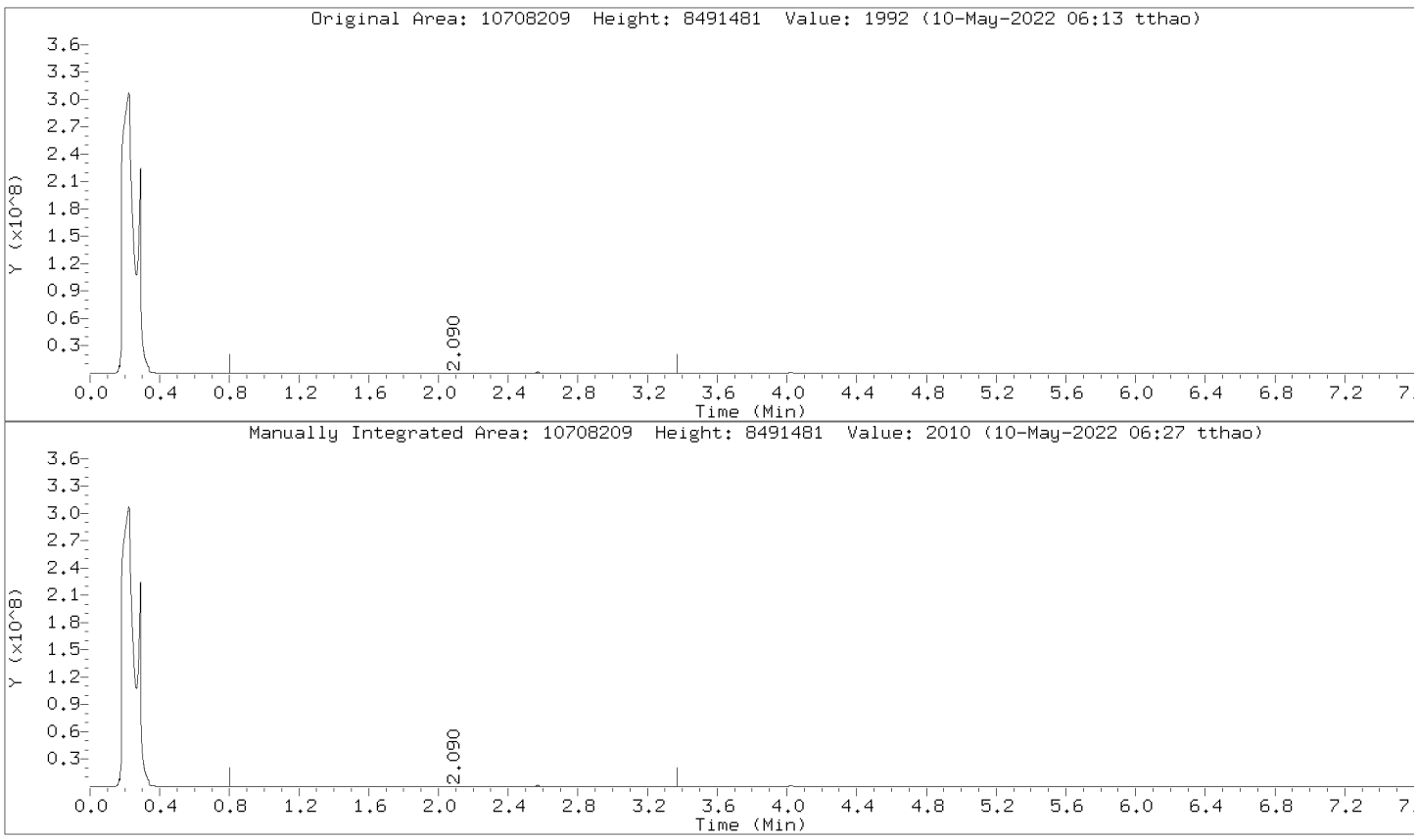
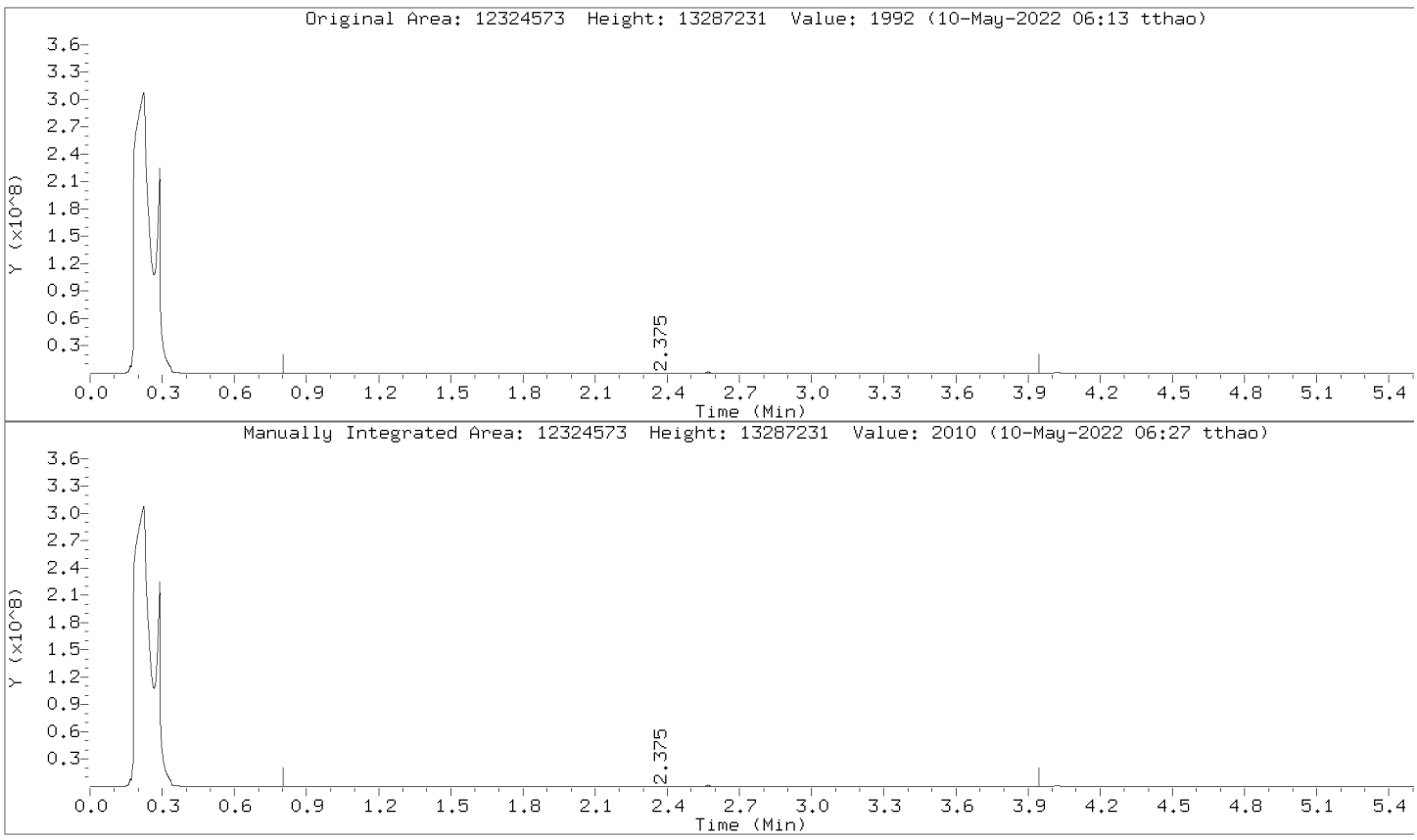
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



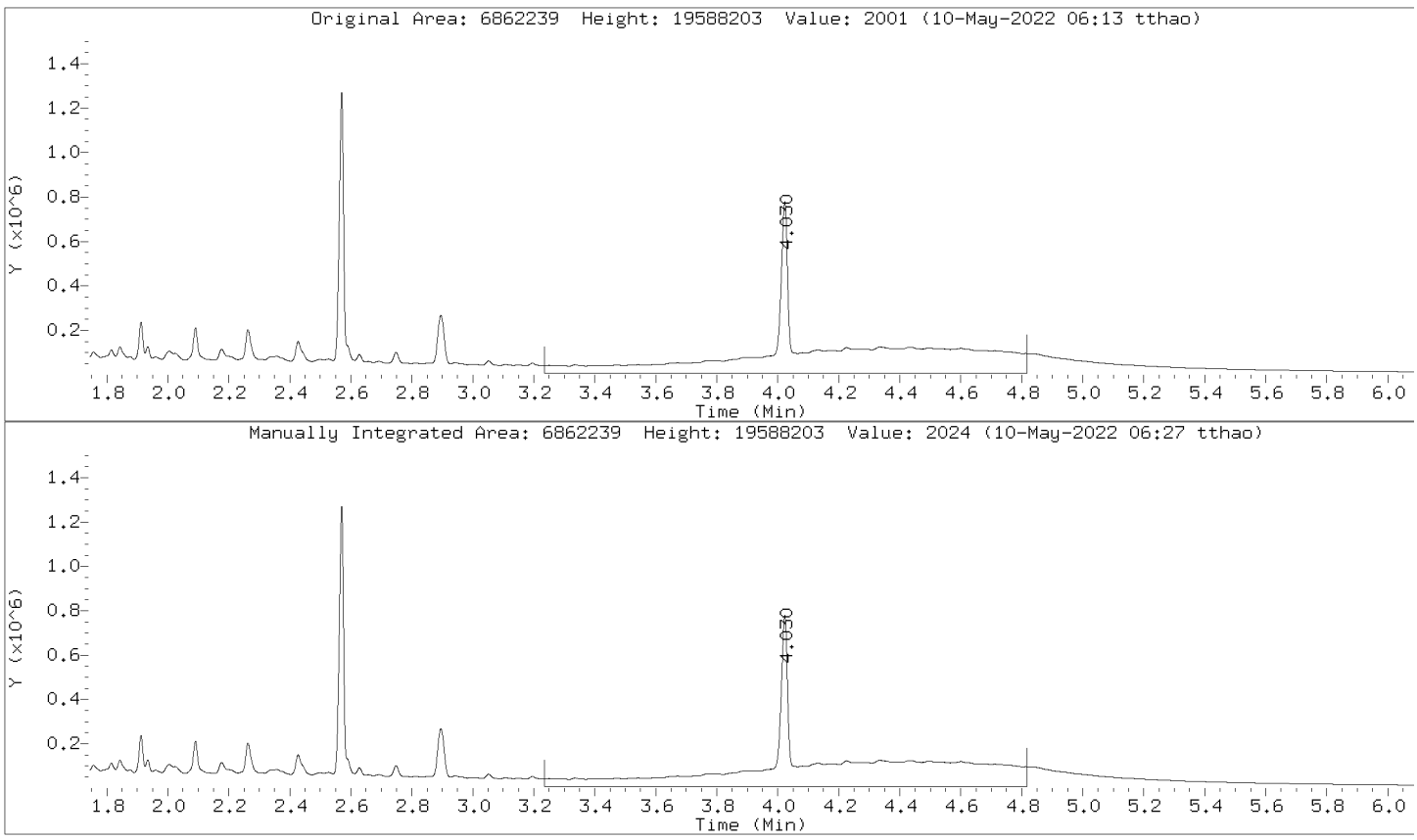
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



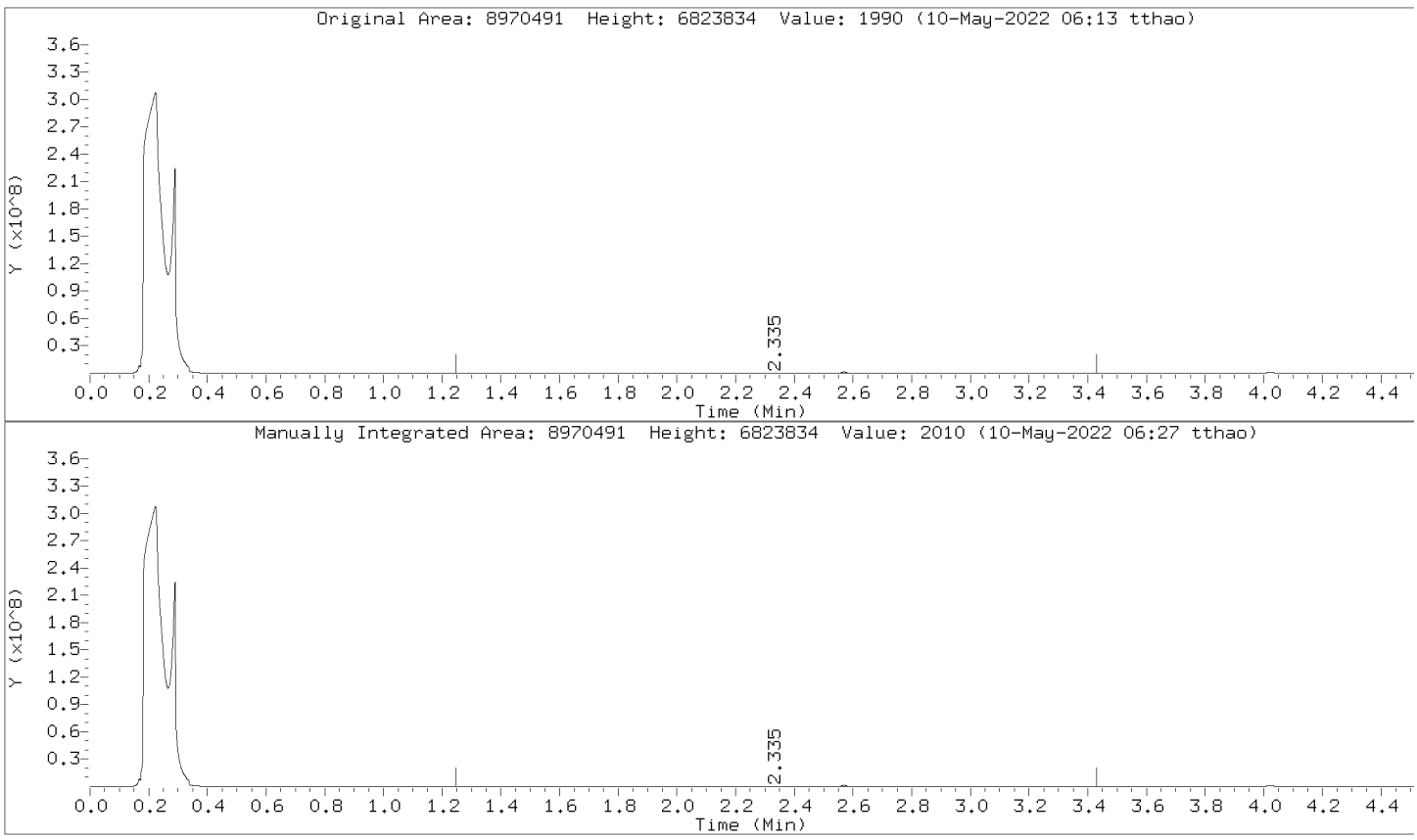
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



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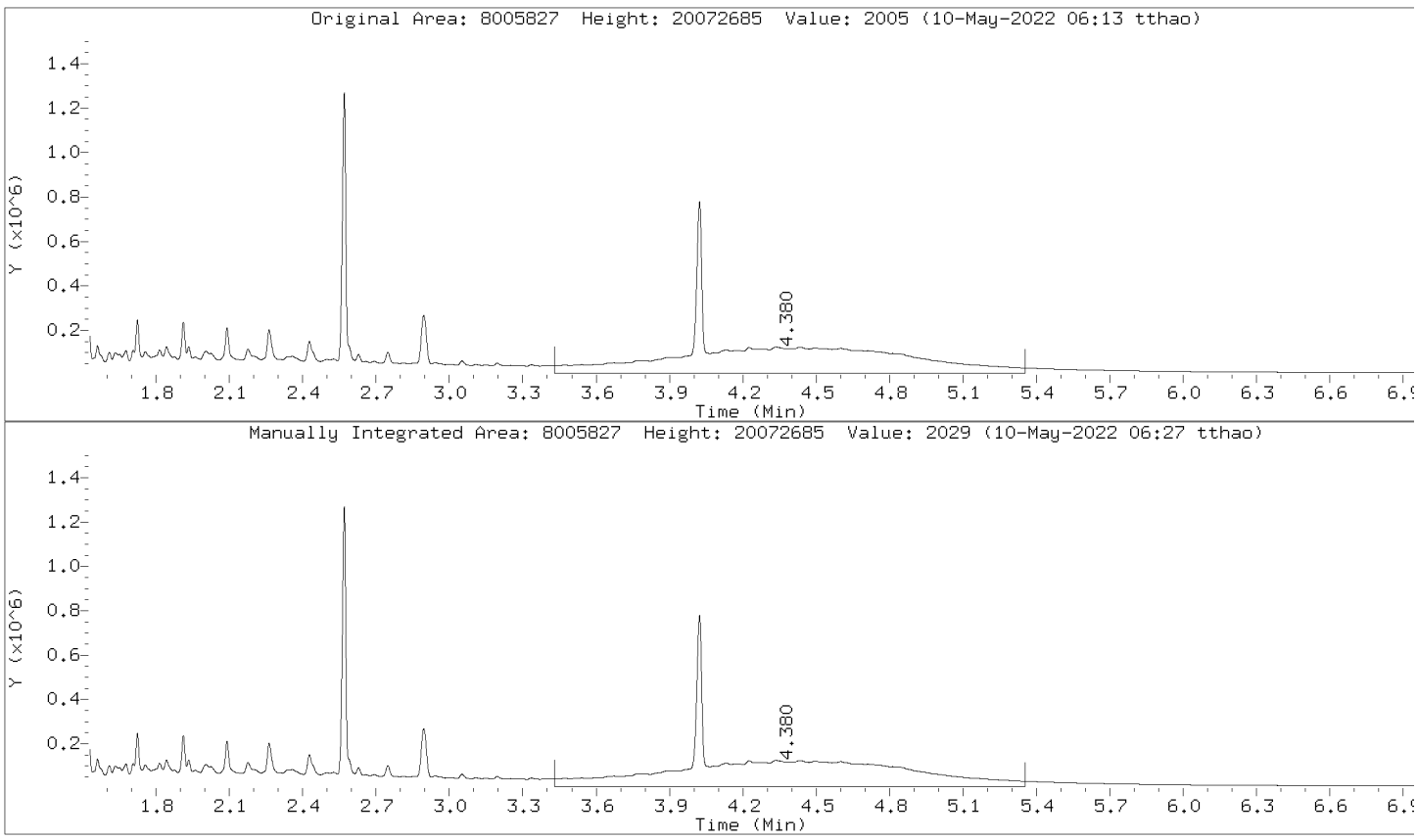
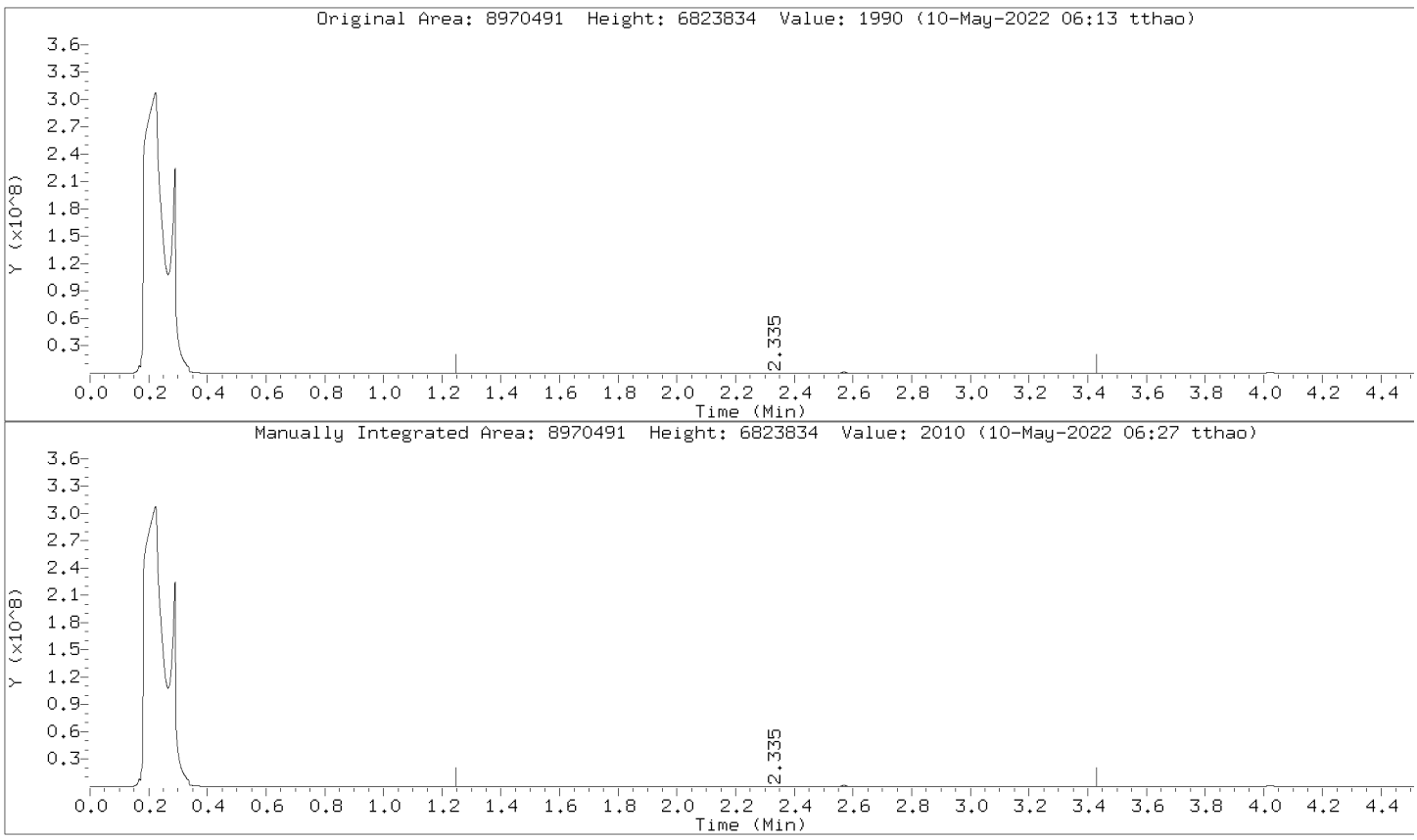
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



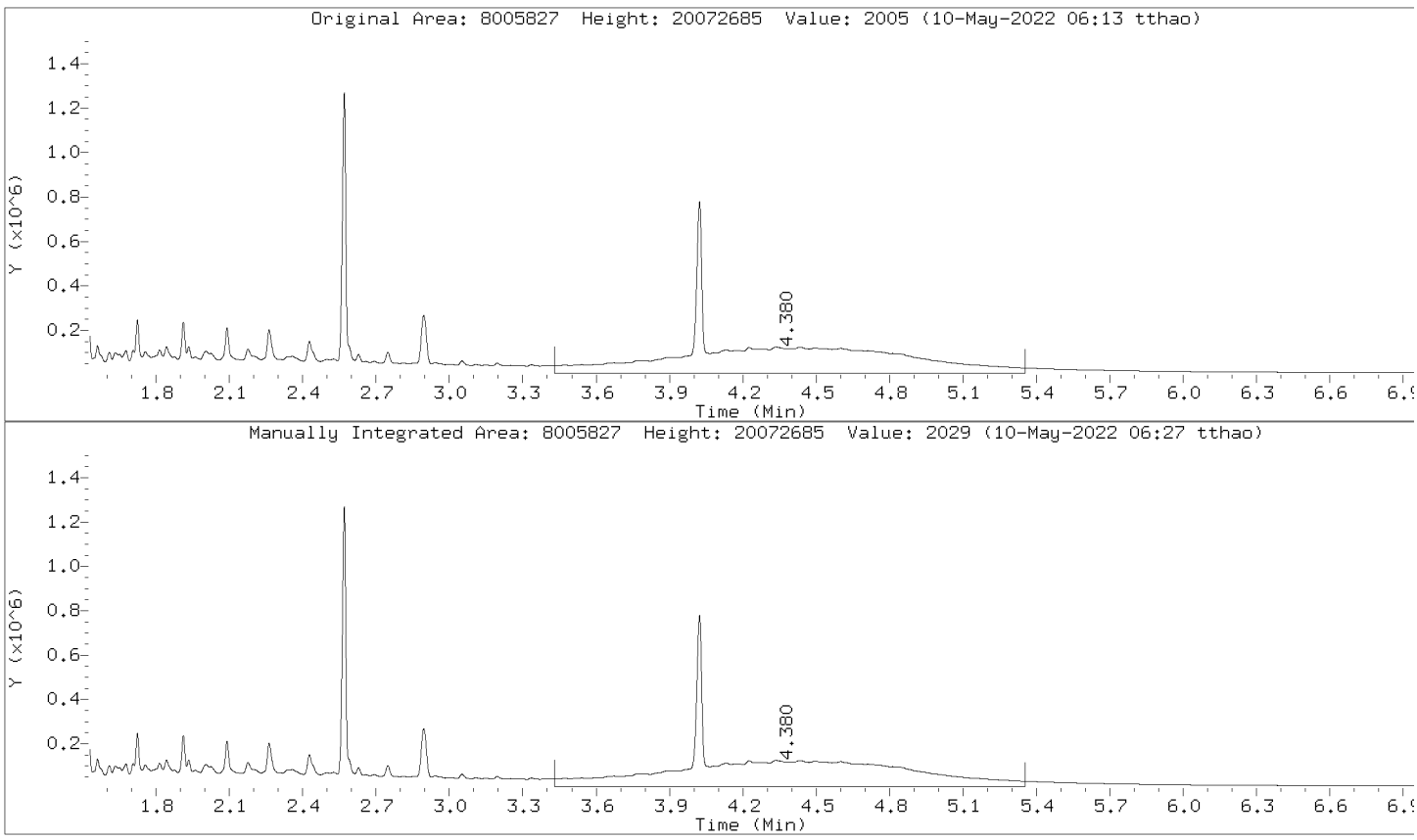
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



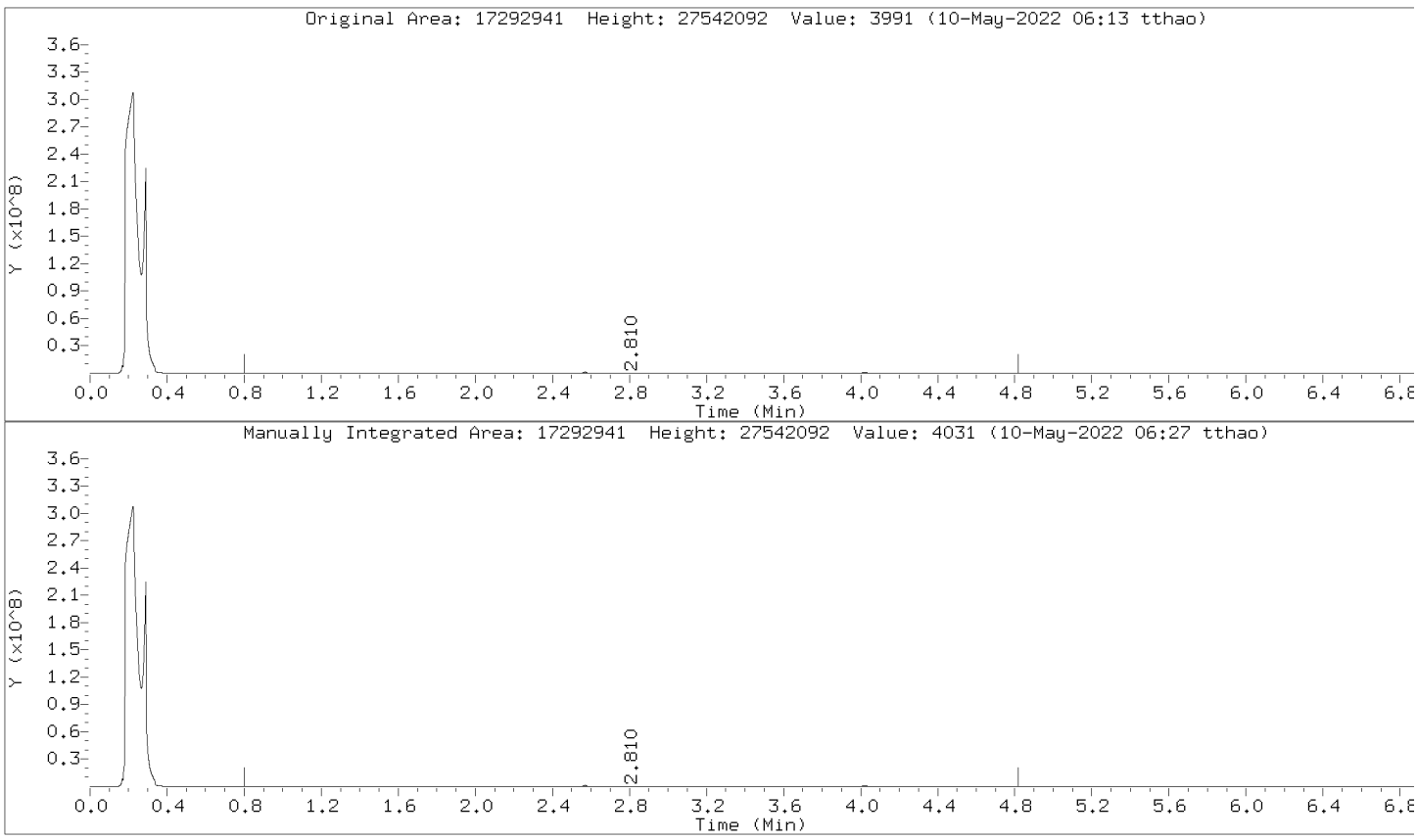
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



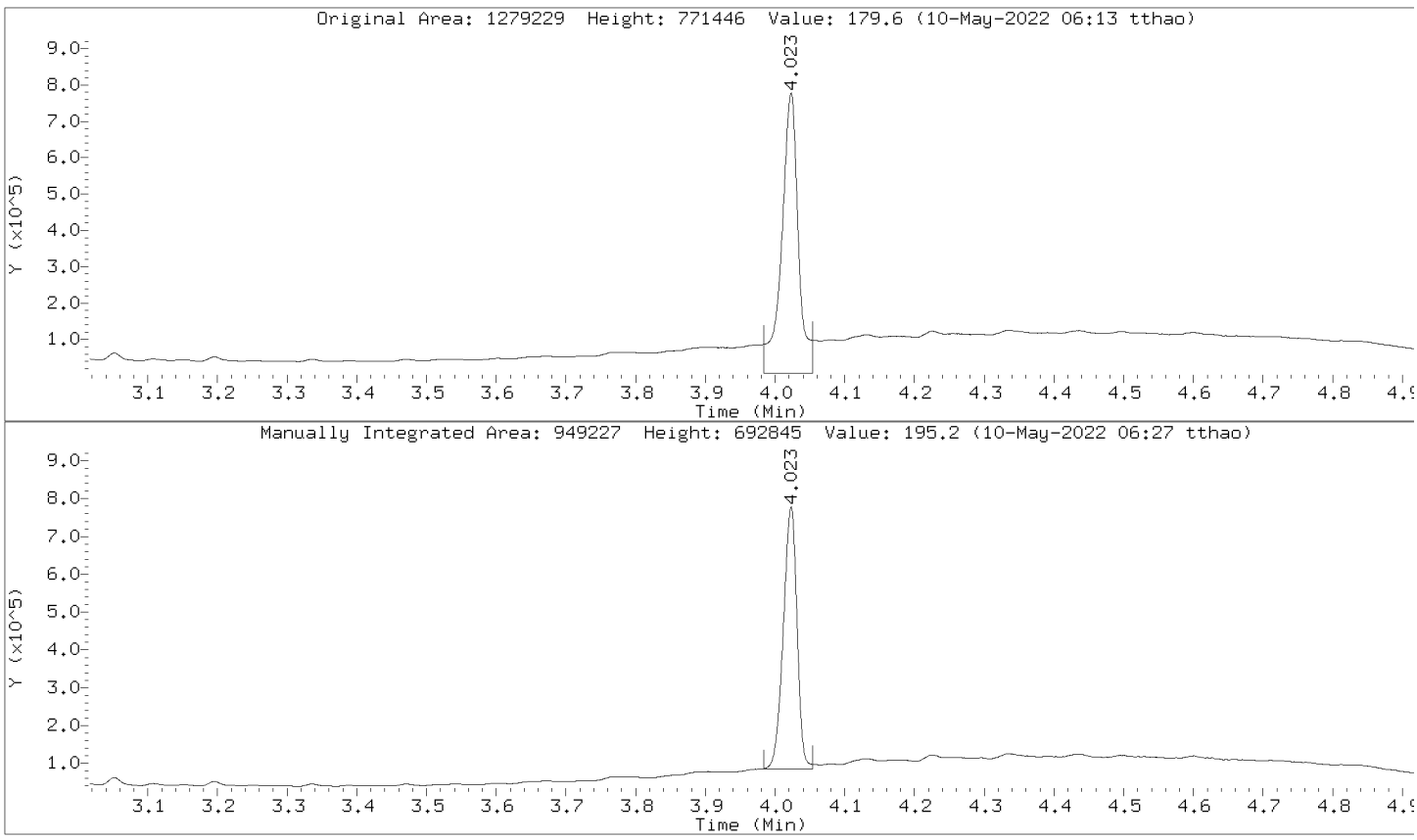
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: C10-C36 Review Code: RNG
CAS Number:



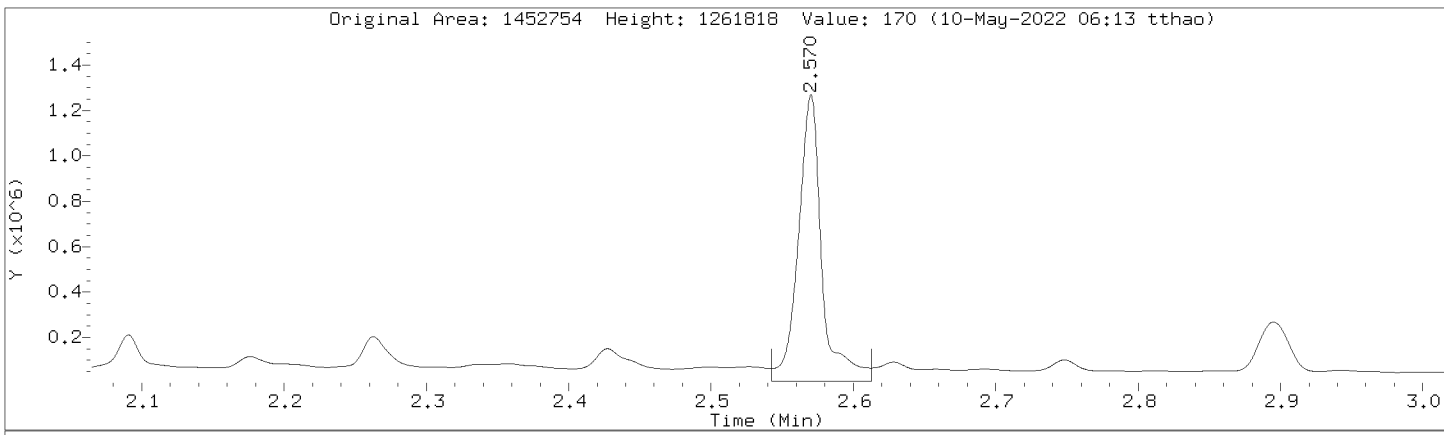
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

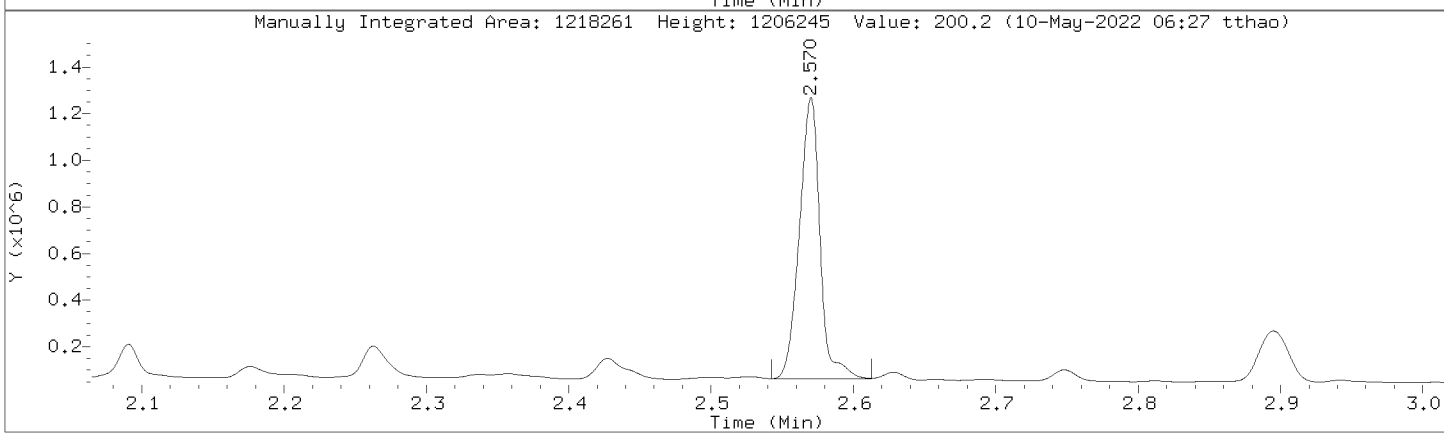
Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:





Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	6584732	6584732
DRO by AK 102	10708209	10708209
TPH-DRO (C10-C28)	12324573	12324573
Motor Oil Range (C24-C36)	6862239	6862239
Diesel Fuel Range	8970491	8970491
Motor Oil Range	8005827	8005827
Diesel Fuel Range SG	8970491	8970491
Motor Oil Range SG	8005827	8005827
C10-C36	17292941	17292941
n-Triacontane (S)	1279229	949227
o-Terphenyl (S)	1452754	1218261

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000033.D
Lab Smp Id: DMO-CAL10,364988:2 Client Smp ID: DMO-CAL10,364988:2
Inj Date : 09-MAY-2022 17:04
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal10,364988:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 12 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		20961677	4000.00	3990	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.576	2.565	0.011	2430969	400.000	399	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.030	4.017	0.013	1891444	400.000	389	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		12872009	4000.00	3990	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		24147947	4000.00	3990	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		13410309	4000.00	3990	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		33833686	8000.00	7980	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		17540429	4000.00	3990	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		17540429	4000.00	3990	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		15615349	4000.00	3980	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		15615349	4000.00	3980	(M)	RNG

QC Flag Legend

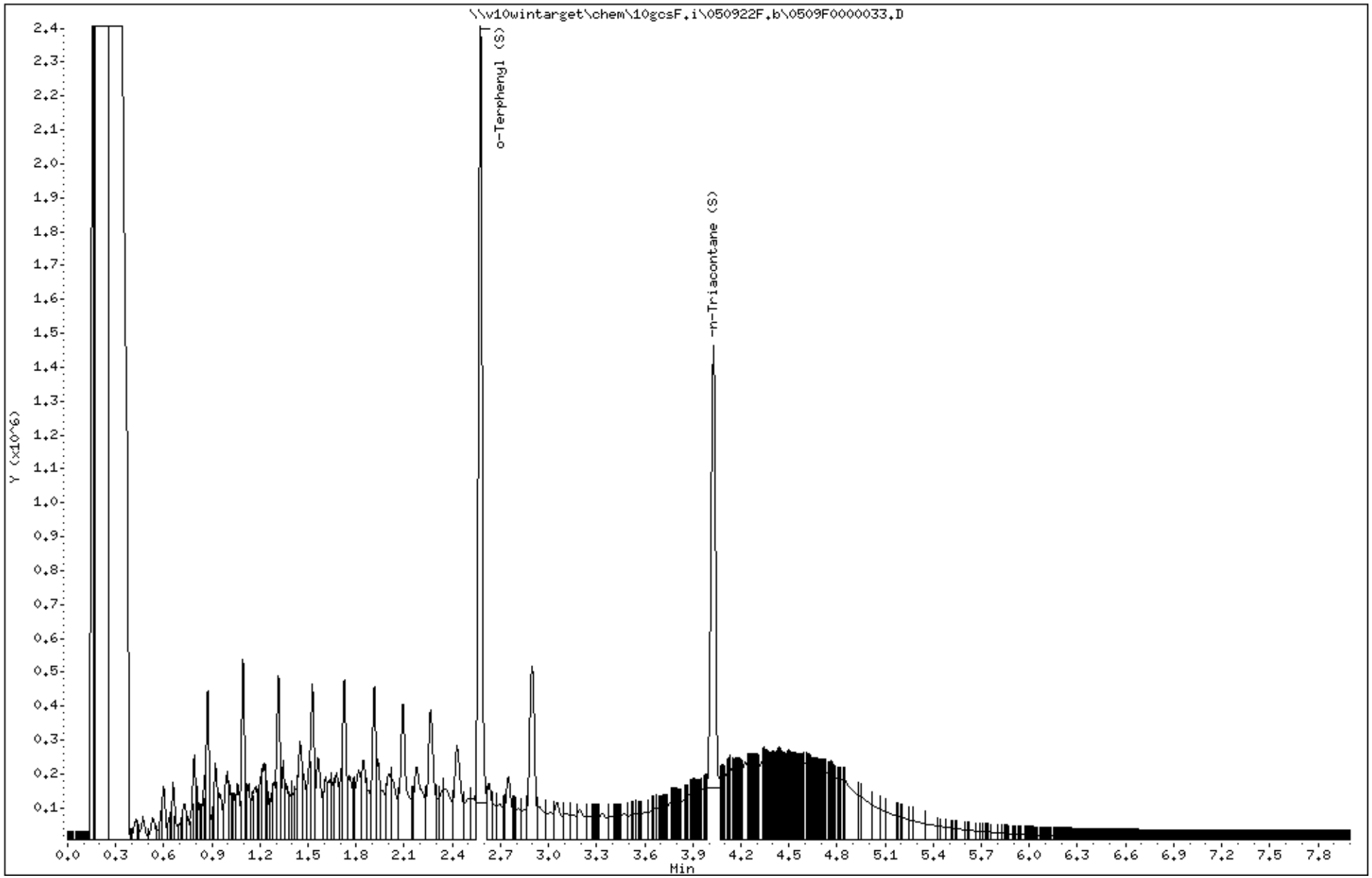
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000033.D
Date : 09-MAY-2022 17:04
Client ID: DMO-CAL10,364988:2
Sample Info: DMO-CAL10,364988:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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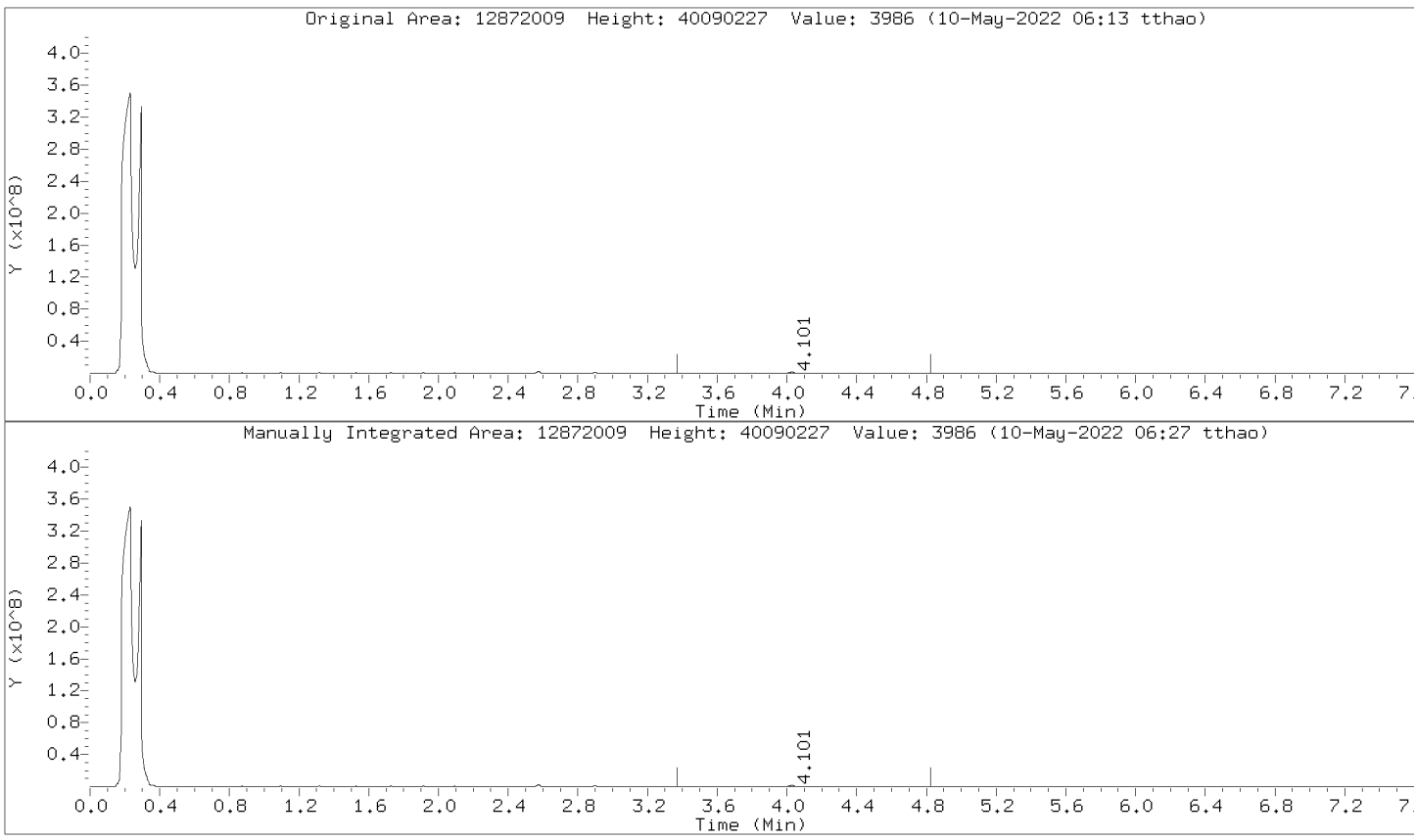
159 of 686
10606561

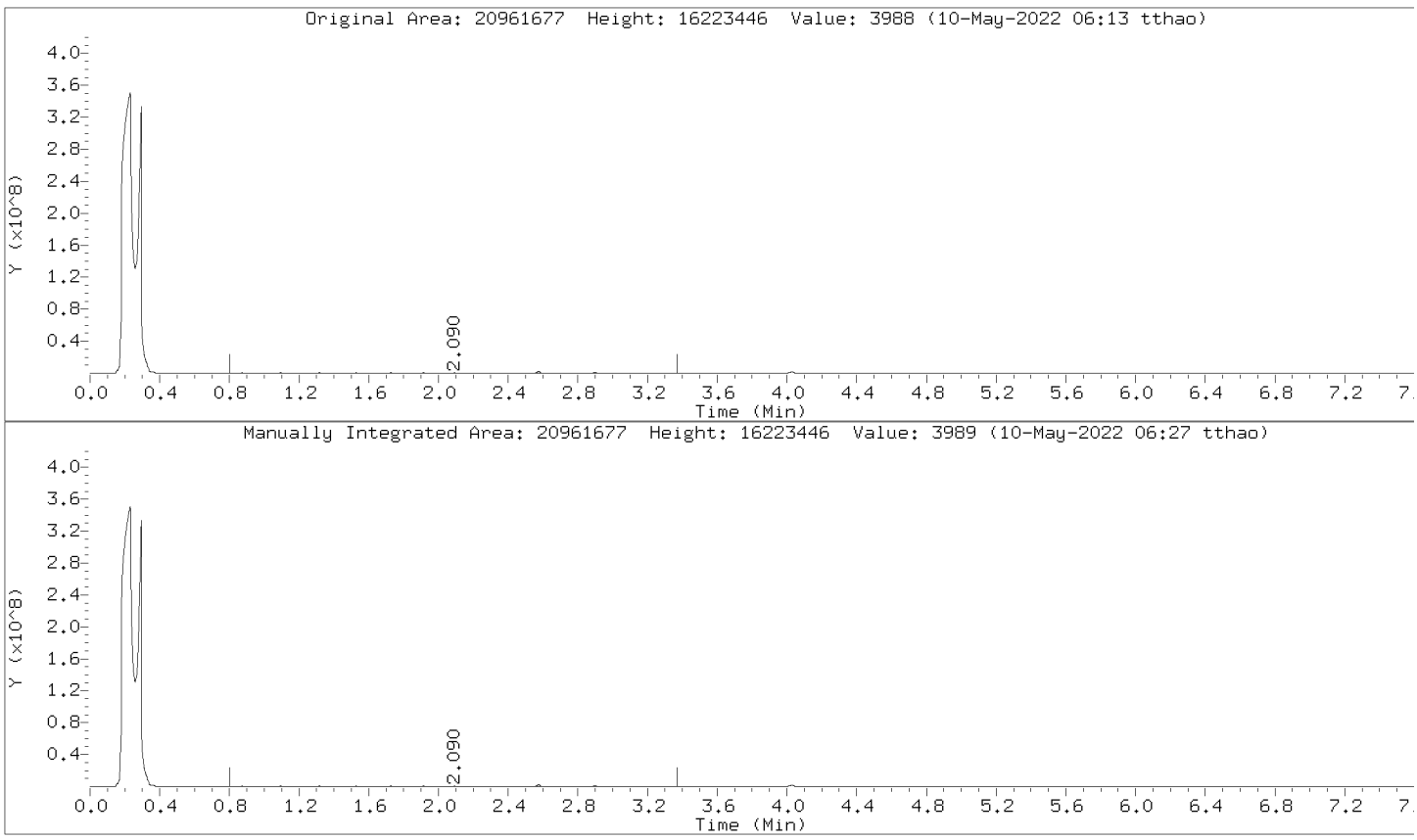
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



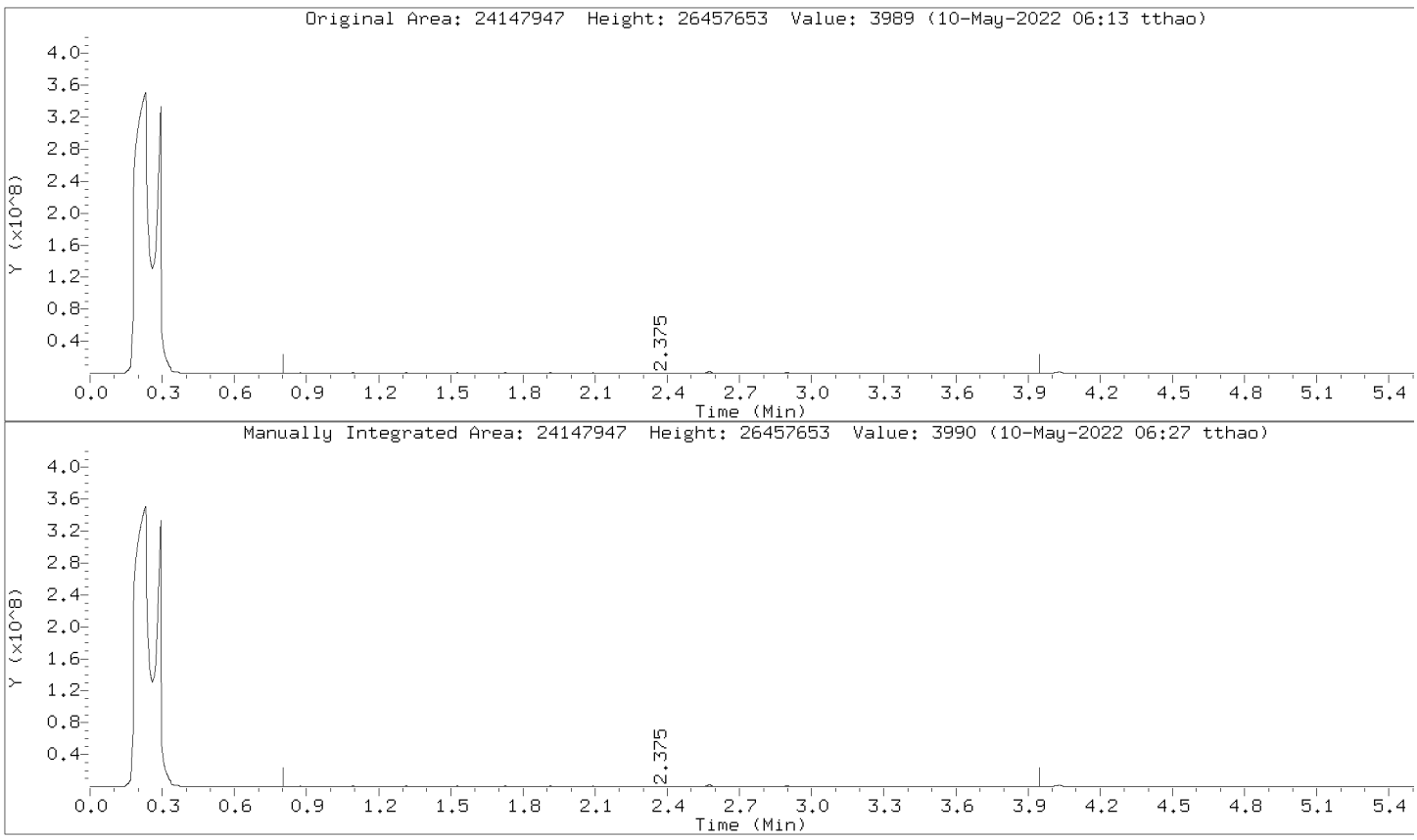
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



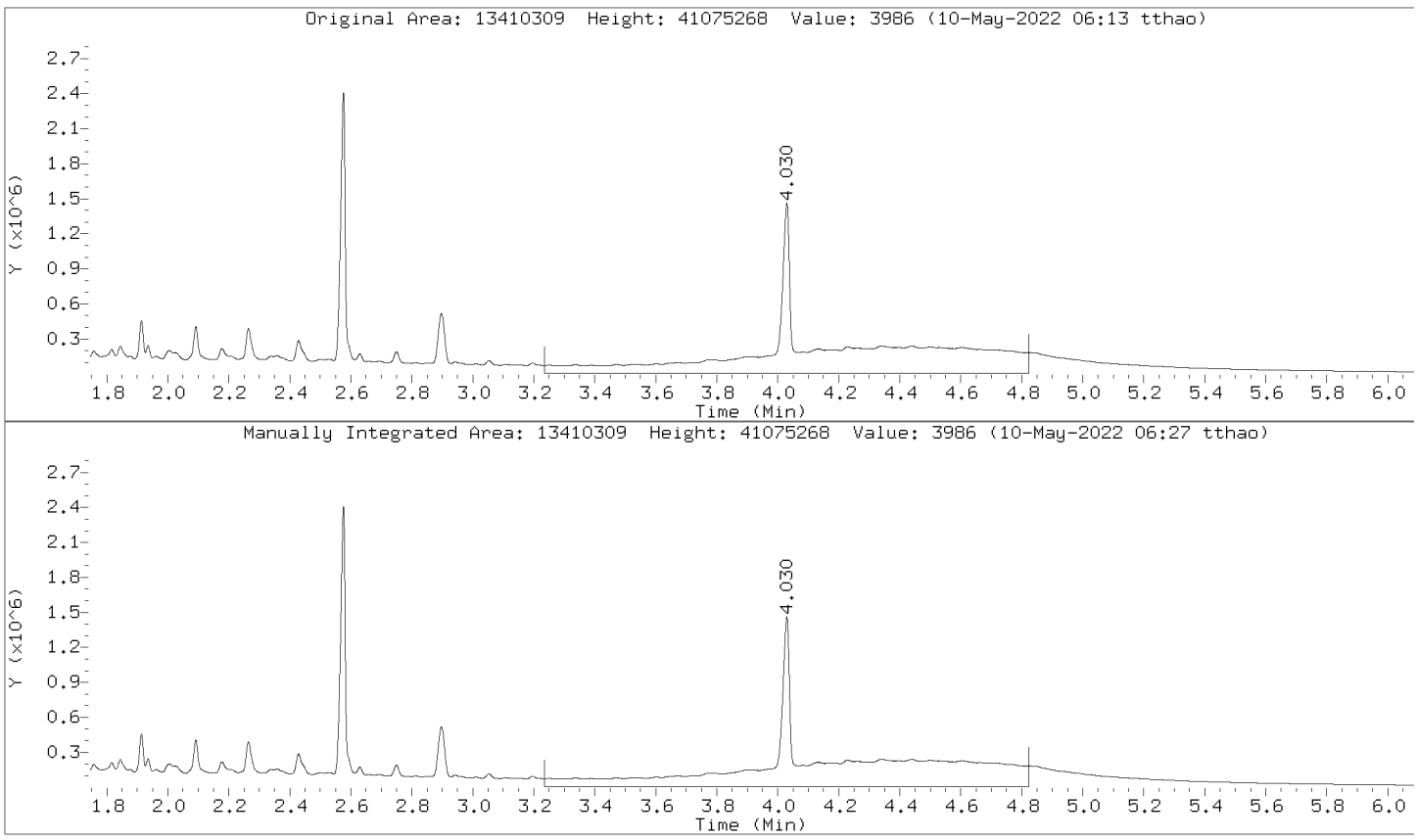
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



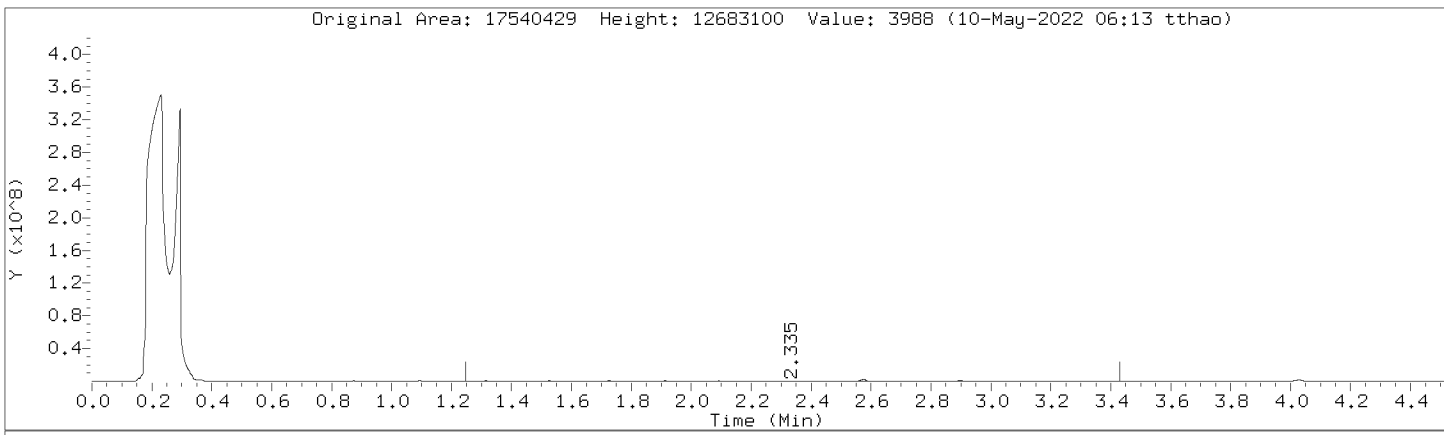
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

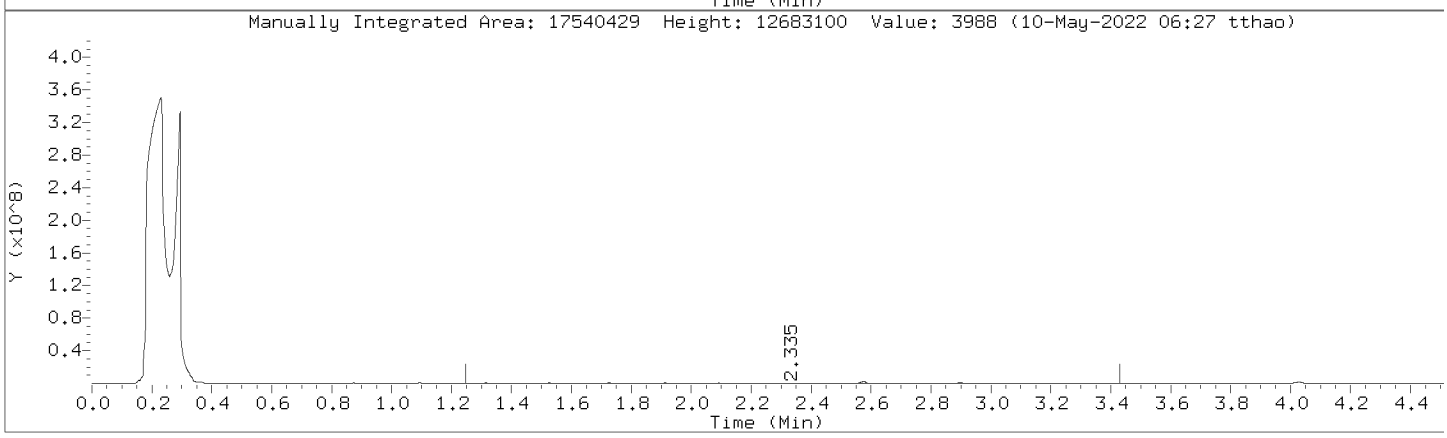
Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

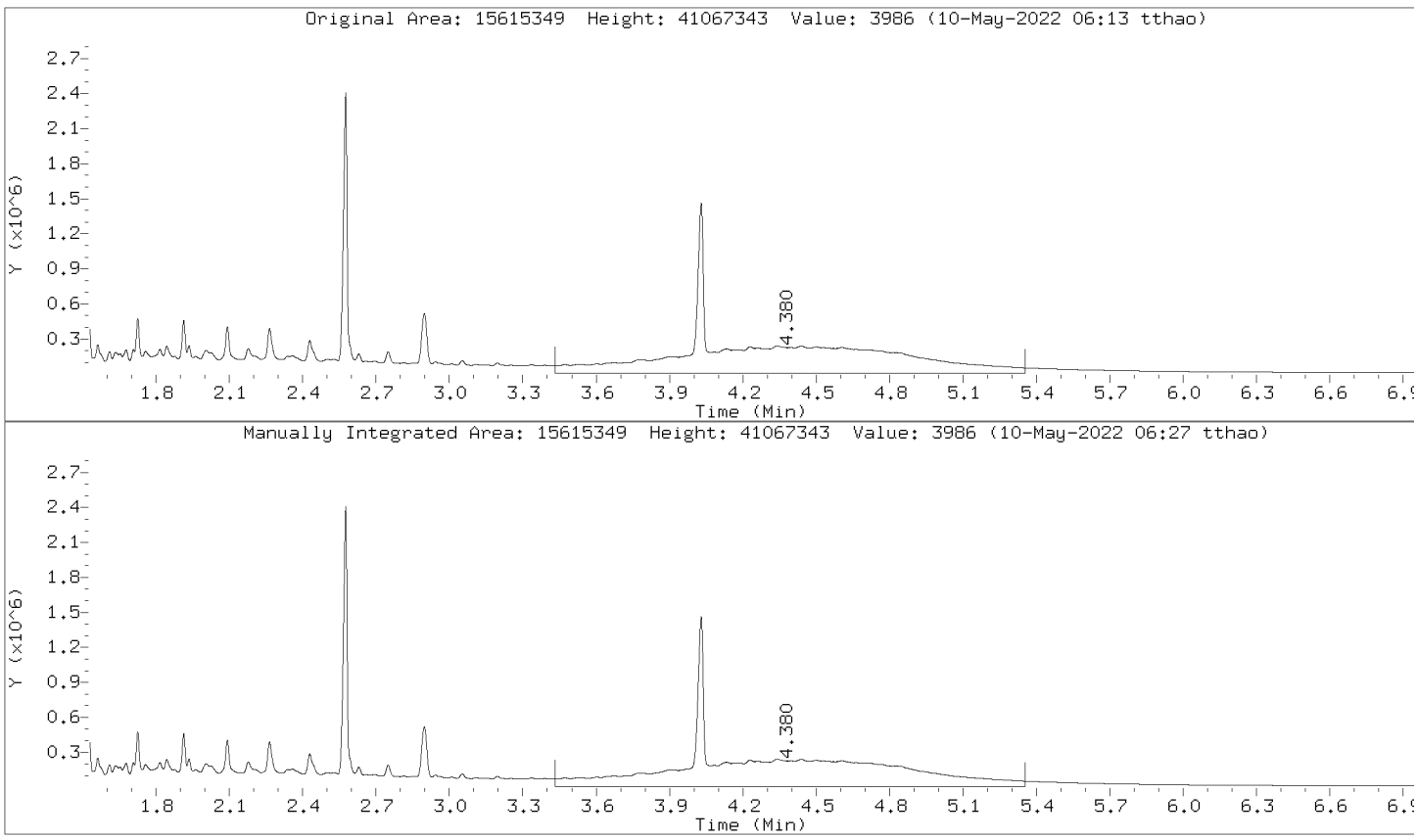
Compound: Diesel Fuel Range Review Code: RNG
CAS Number:





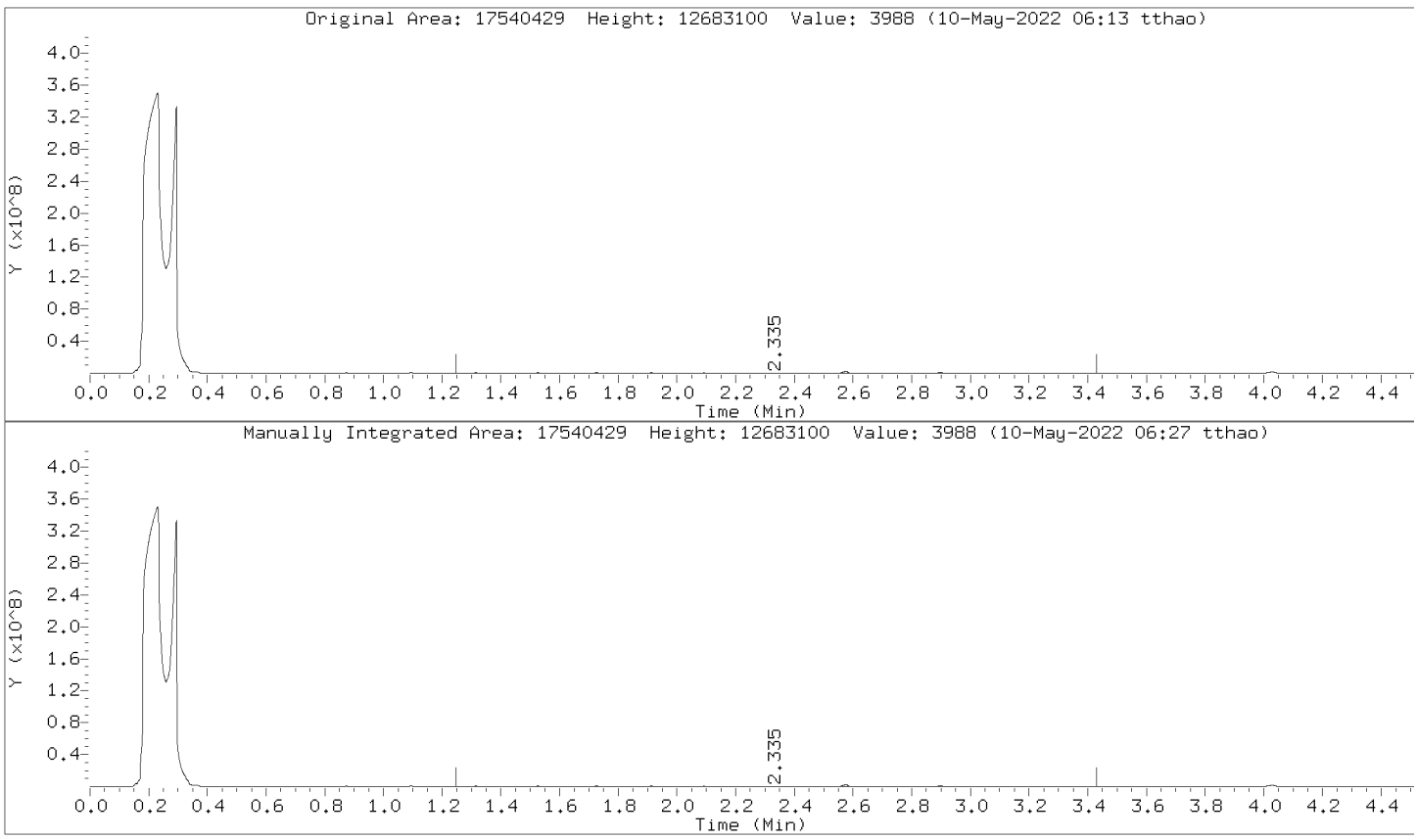
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



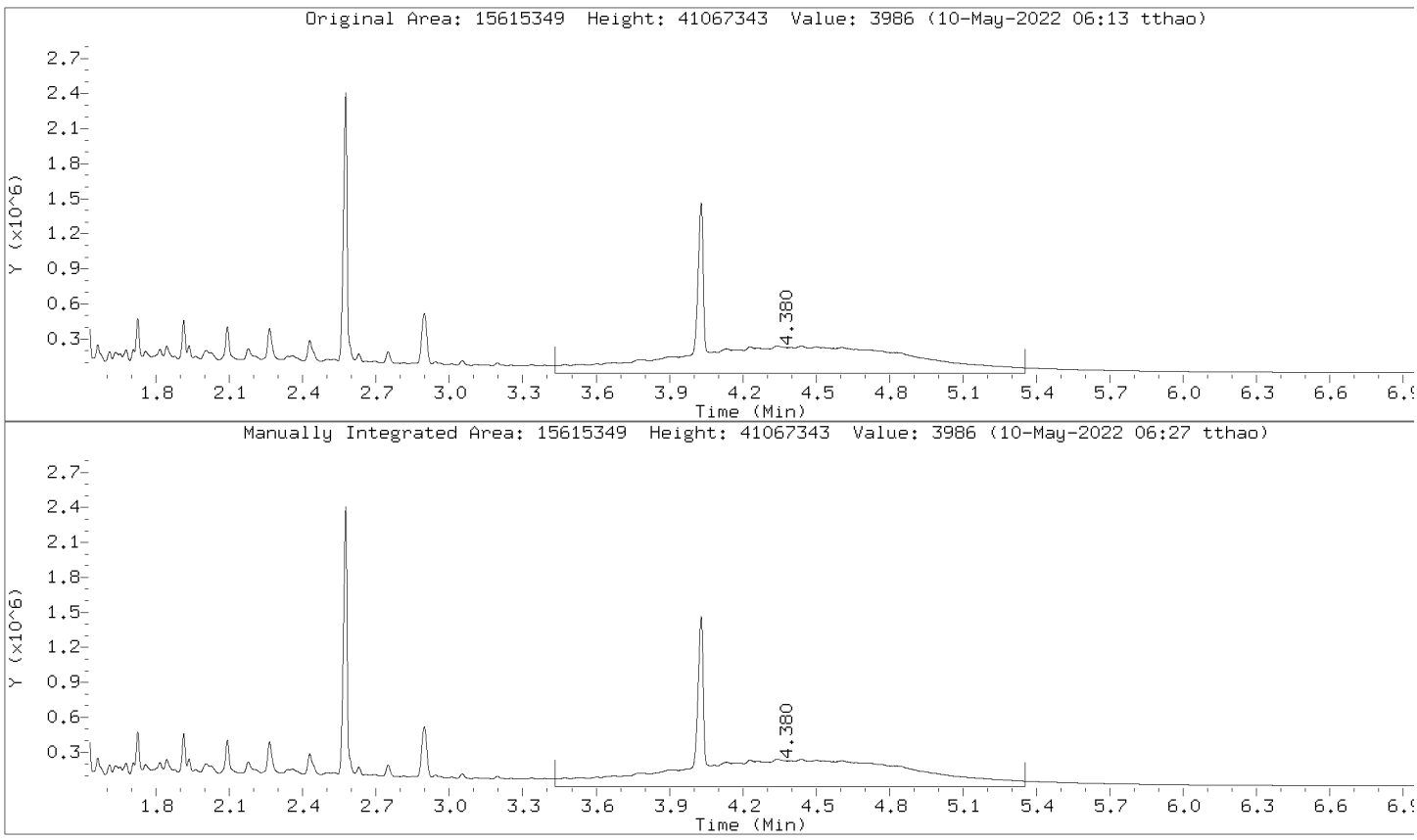
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



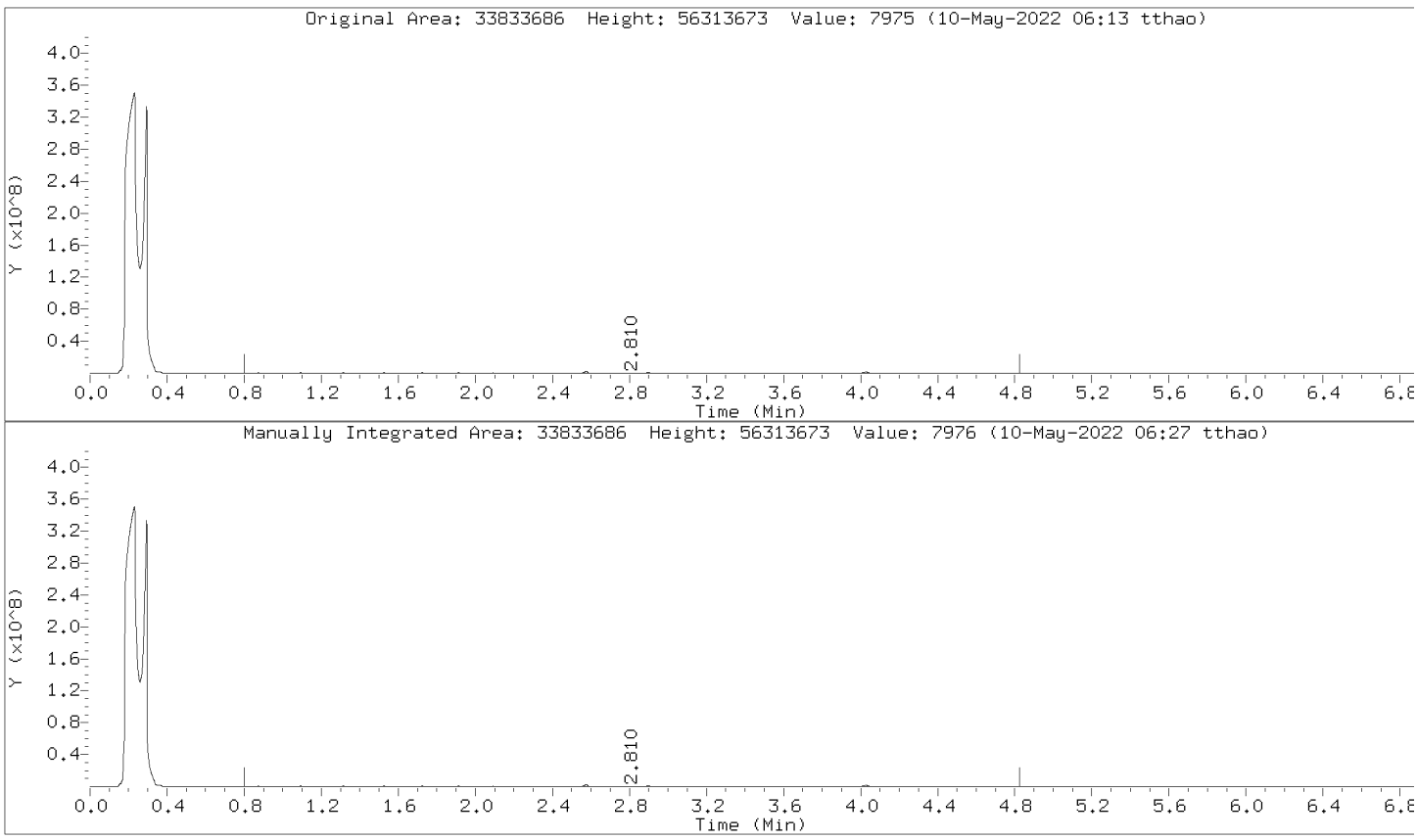
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



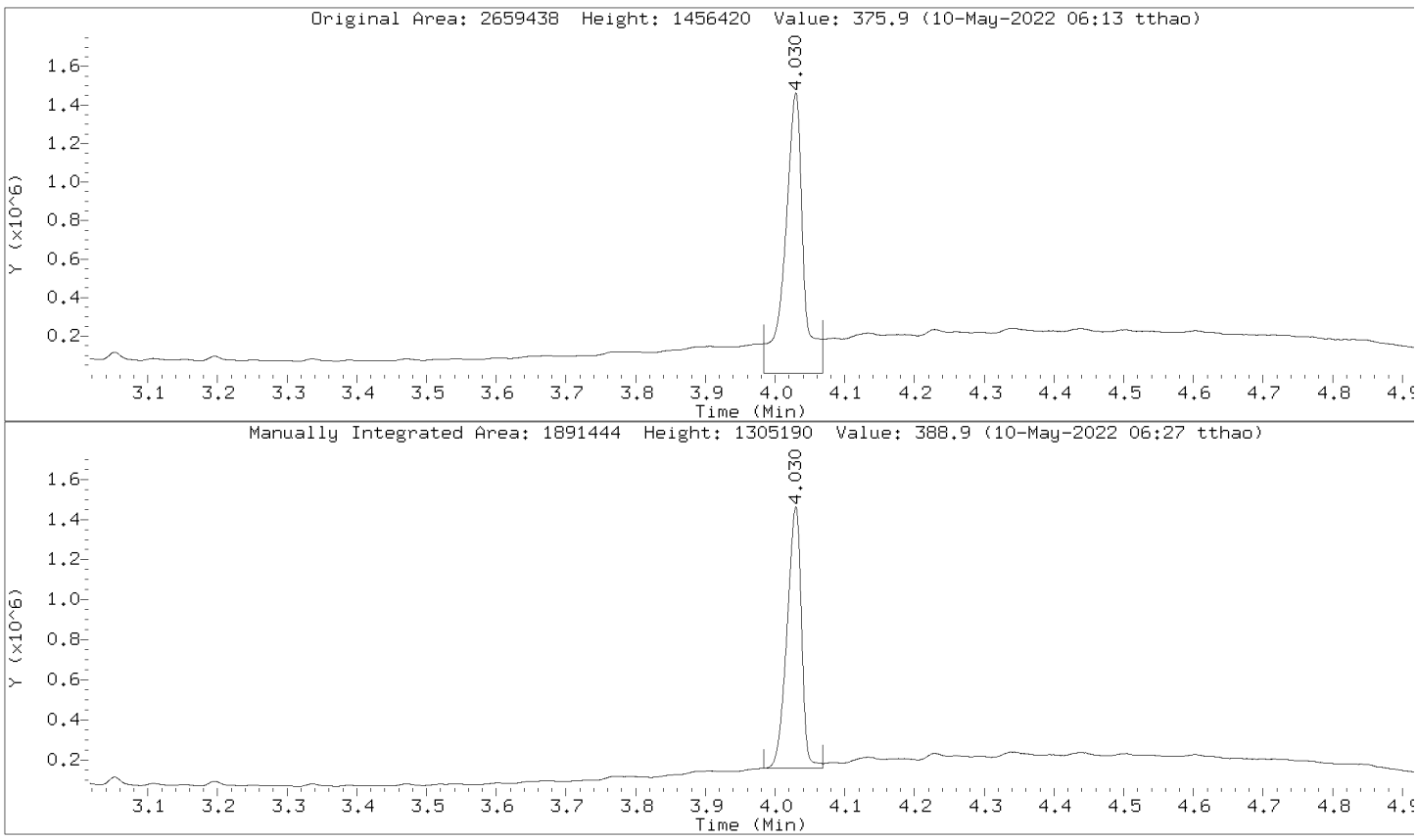
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: C10-C36 Review Code: RNG
CAS Number:



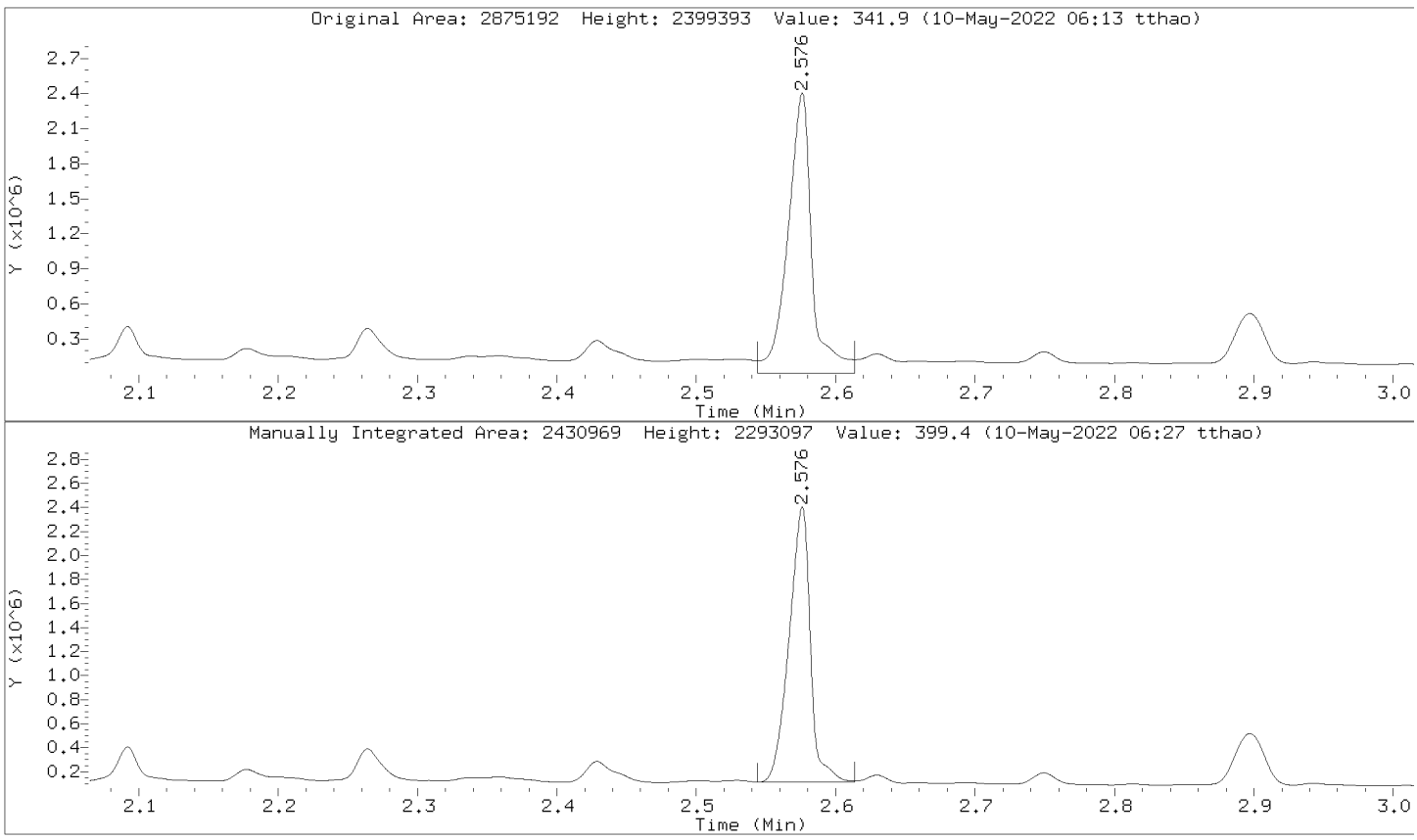
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	12872009	12872009
DRO by AK 102	20961677	20961677
TPH-DRO (C10-C28)	24147947	24147947
Motor Oil Range (C24-C36)	13410309	13410309
Diesel Fuel Range	17540429	17540429
Motor Oil Range	15615349	15615349
Diesel Fuel Range SG	17540429	17540429
Motor Oil Range SG	15615349	15615349
C10-C36	33833686	33833686
n-Triacontane (S)	2659438	1891444
o-Terphenyl (S)	2875192	2430969

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000036.D
Lab Smp Id: PBLK,363301:2 Client Smp ID: PBLK,363301:2
Inj Date : 09-MAY-2022 17:39
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : pblk,363301:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10SVOA-TT

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800 - 3.380			255294			(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.564	2.565	-0.001	281232	46.2124	46.2	(RM)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.016	4.017	-0.001	232021	47.7100	47.7	(RM)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381 - 4.820			80663			(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800 - 3.950			288169			(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240 - 4.820			90995			(M)	RNG
S 7 C10-C36					CAS #:		
0.800 - 4.820			335957			(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240 - 3.430			231816			(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240 - 3.430			231816			(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431 - 5.330			106438			(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431 - 5.330			106438			(M)	RNG

QC Flag Legend

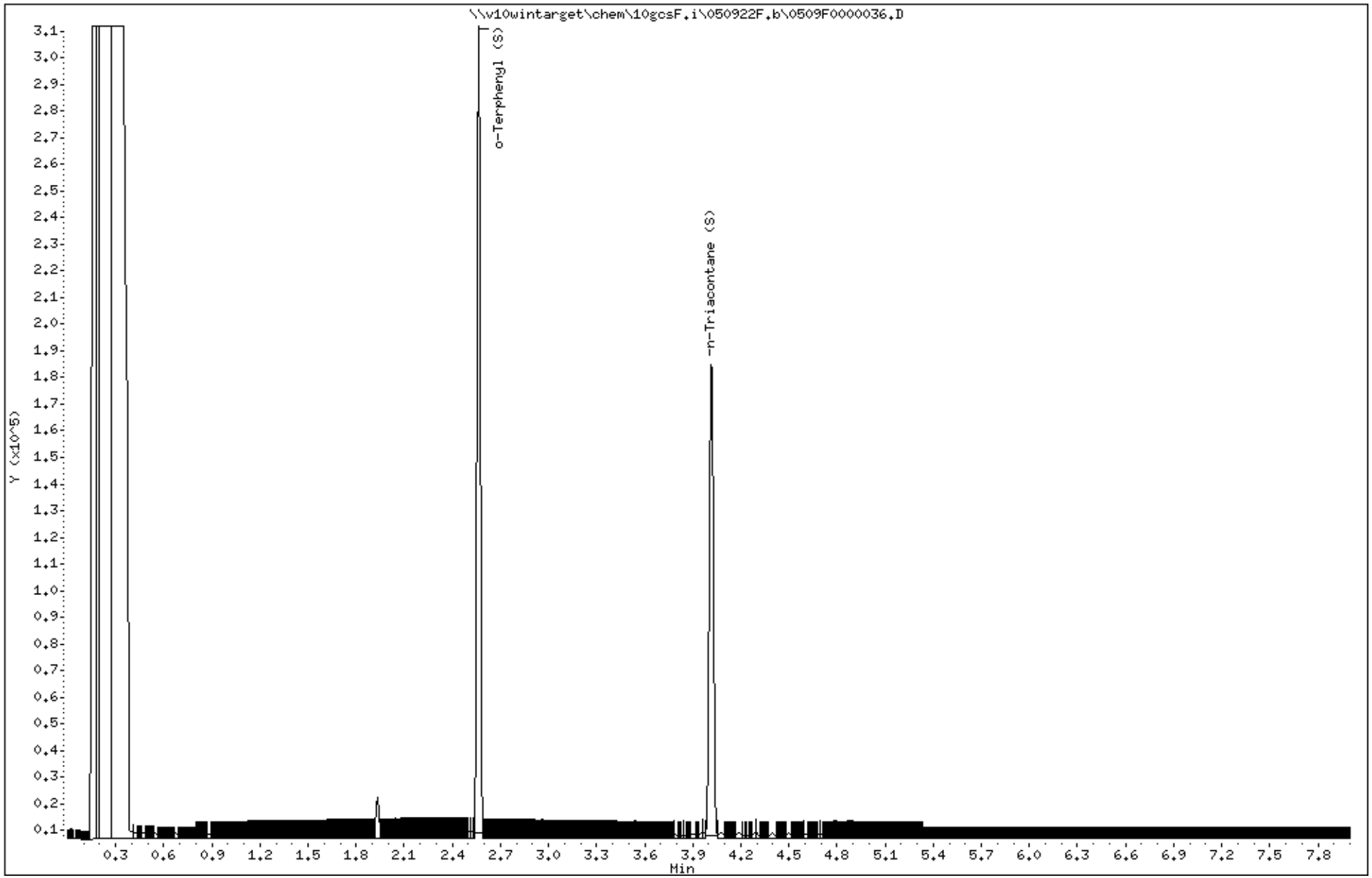
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000036.D
Date : 09-MAY-2022 17:39
Client ID: PBLK,363301:2
Sample Info: PBLK,363301:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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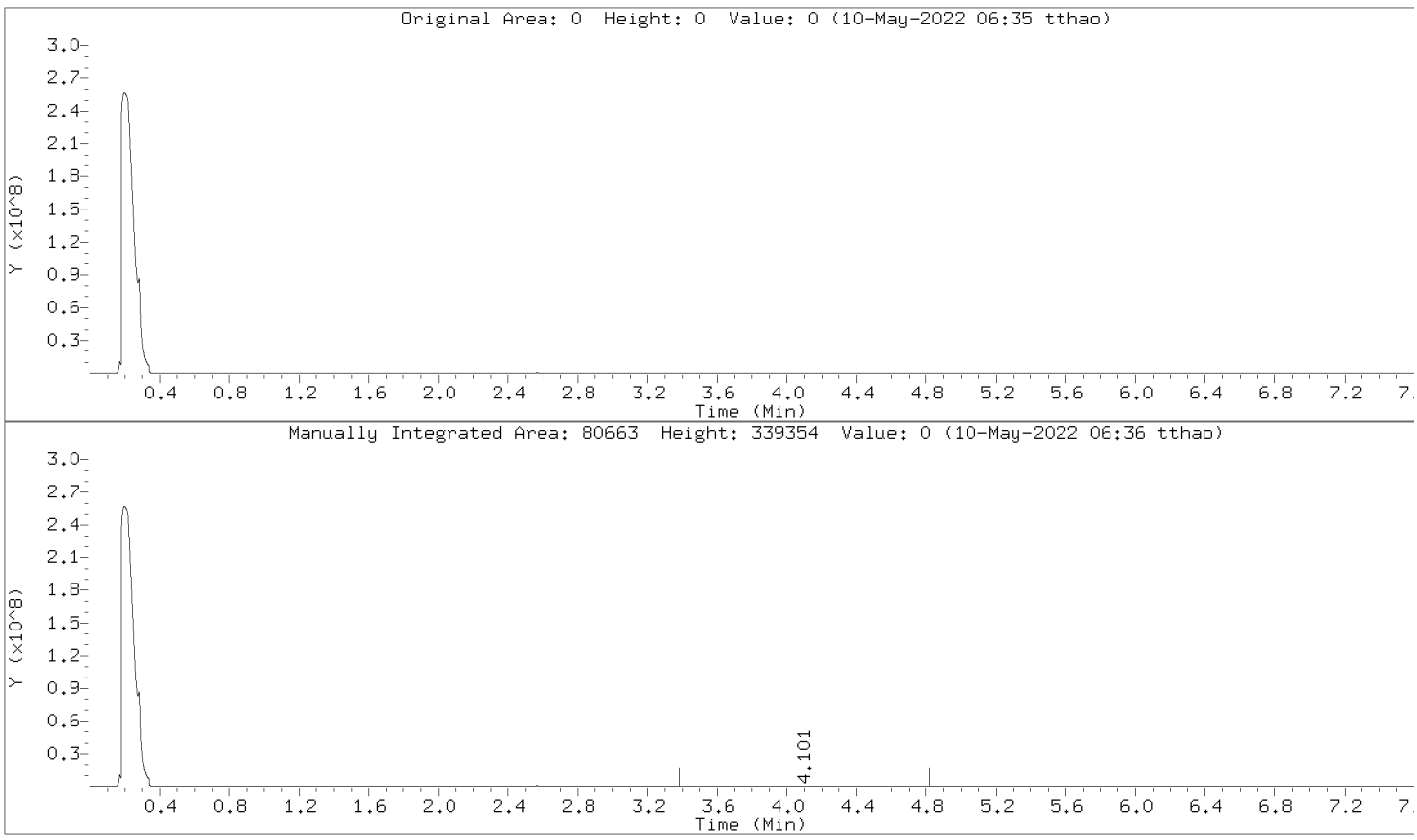
10606561

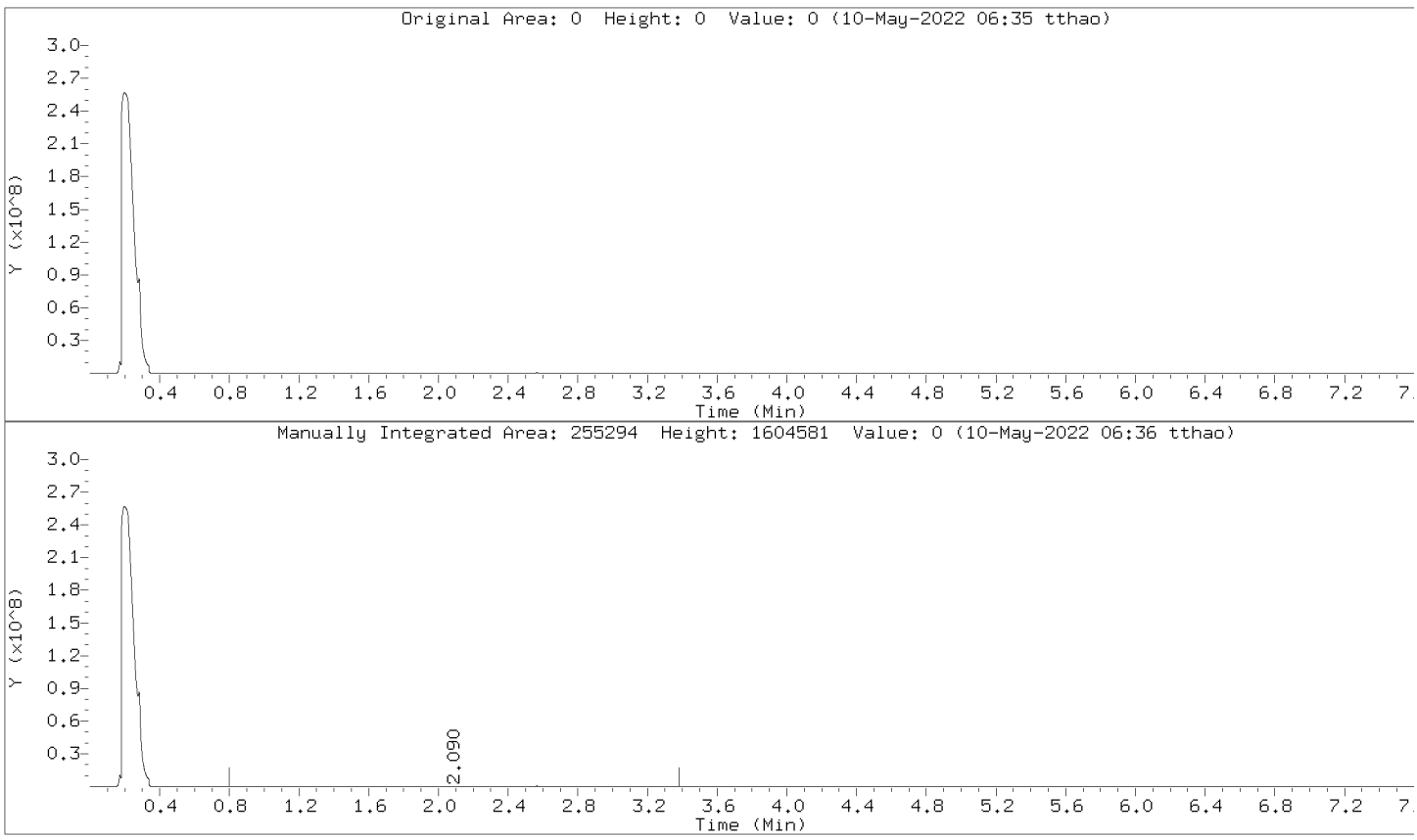
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



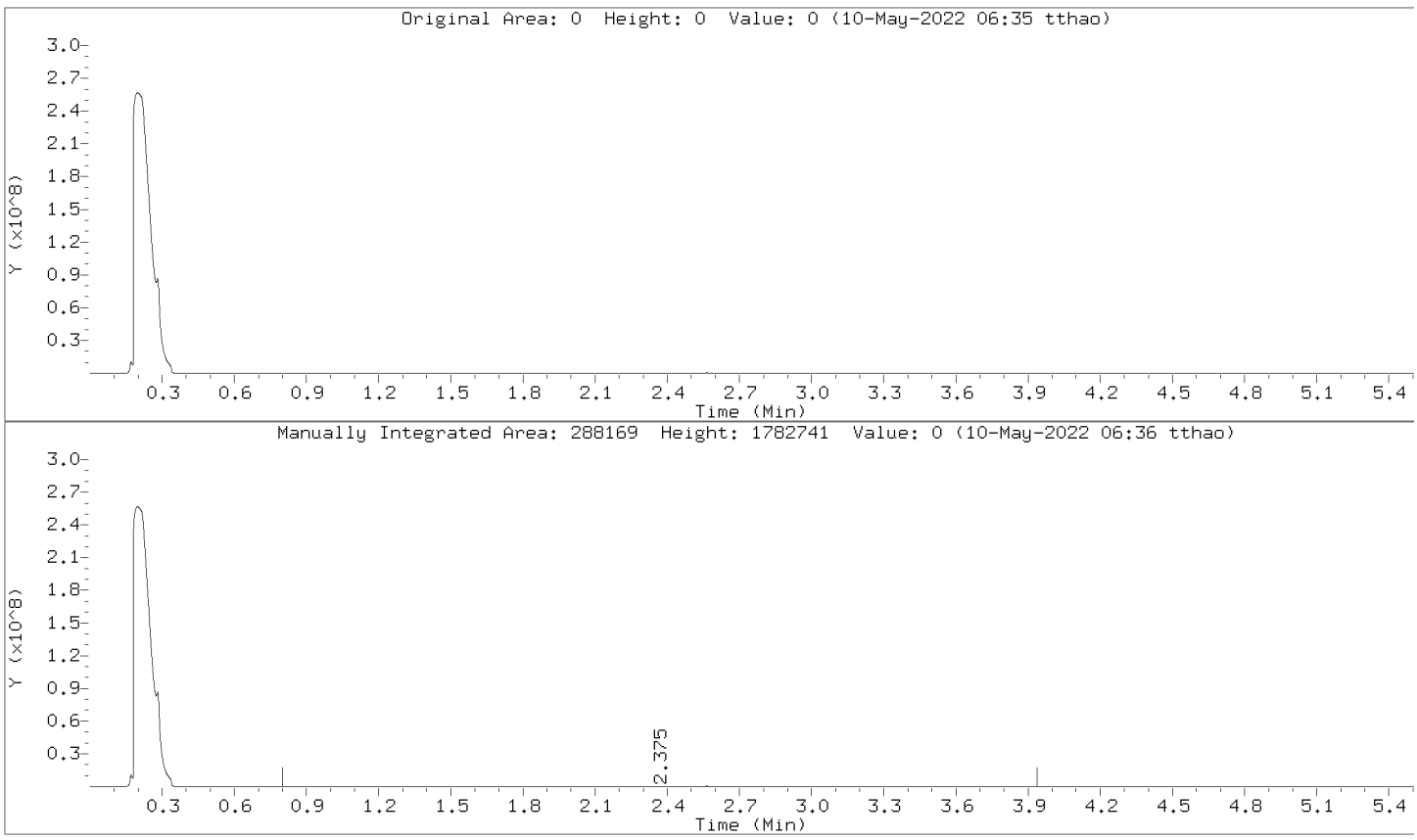
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



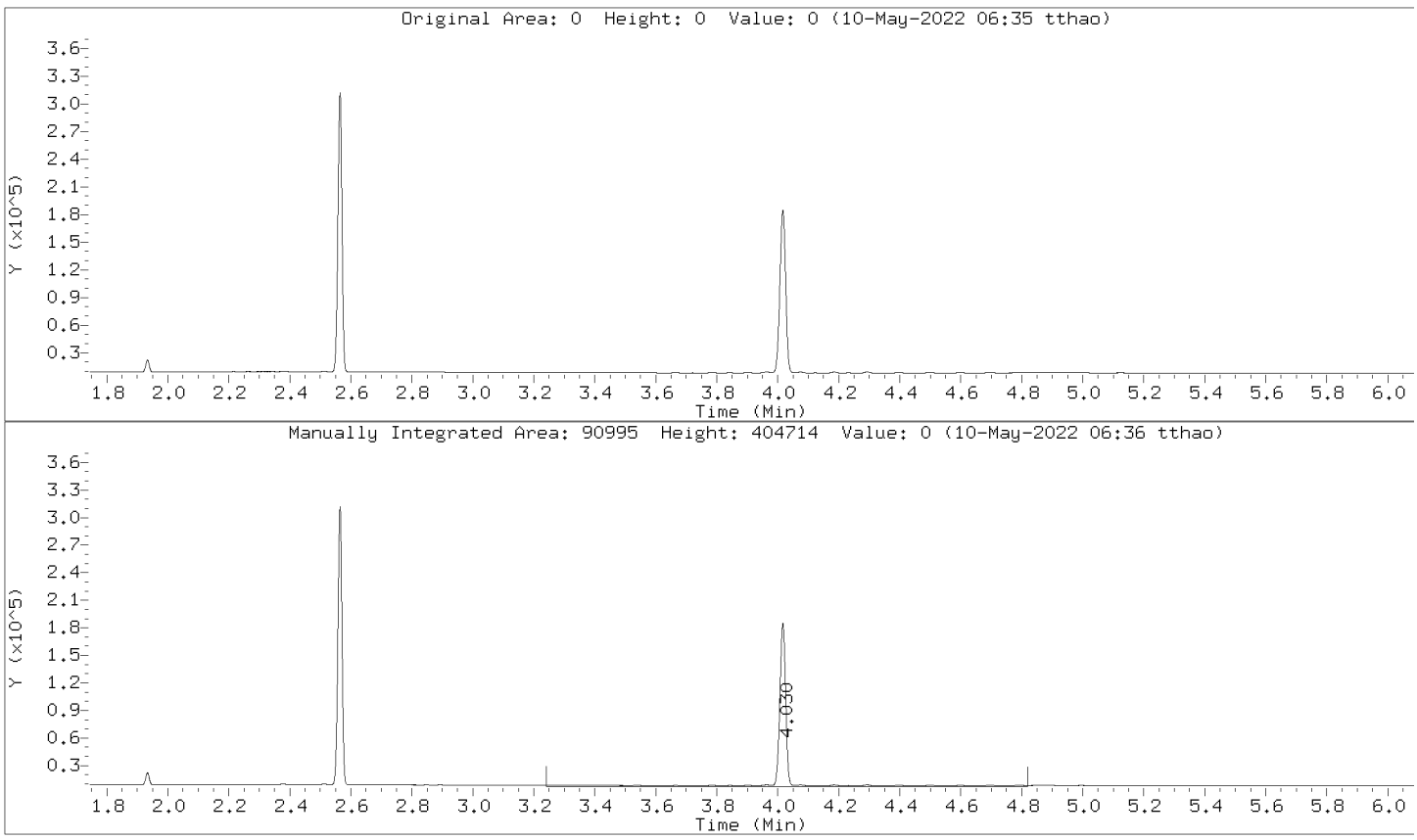
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



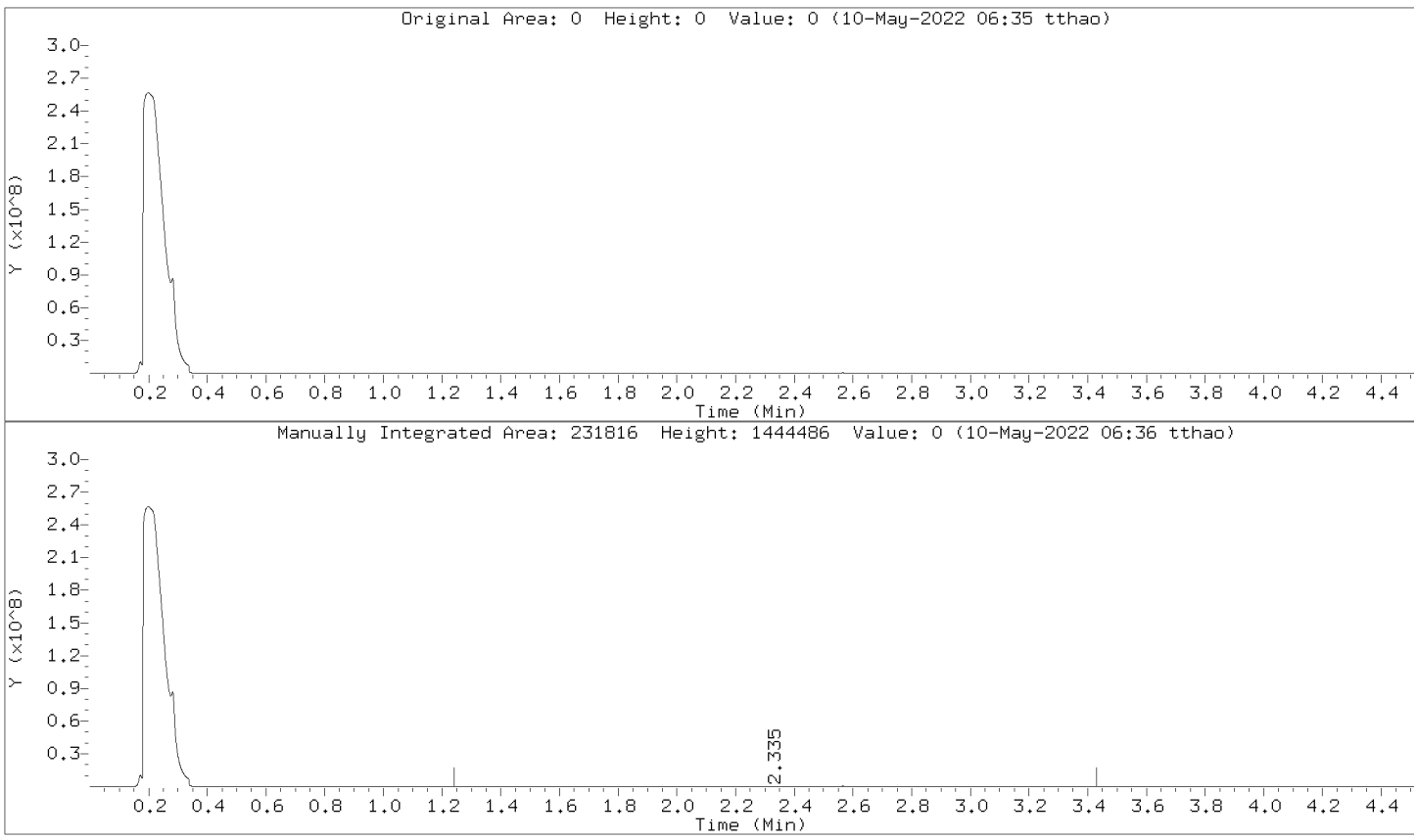
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



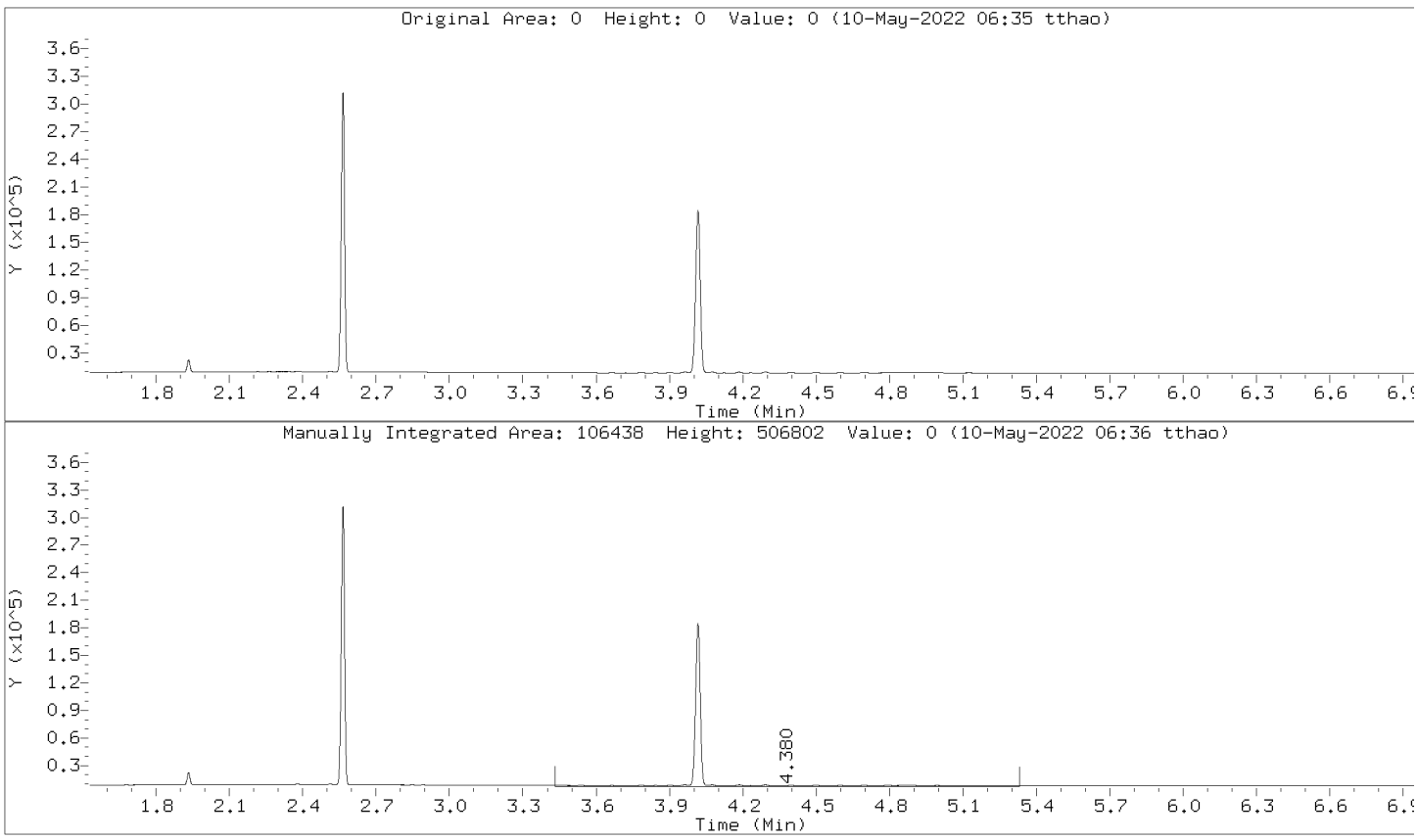
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



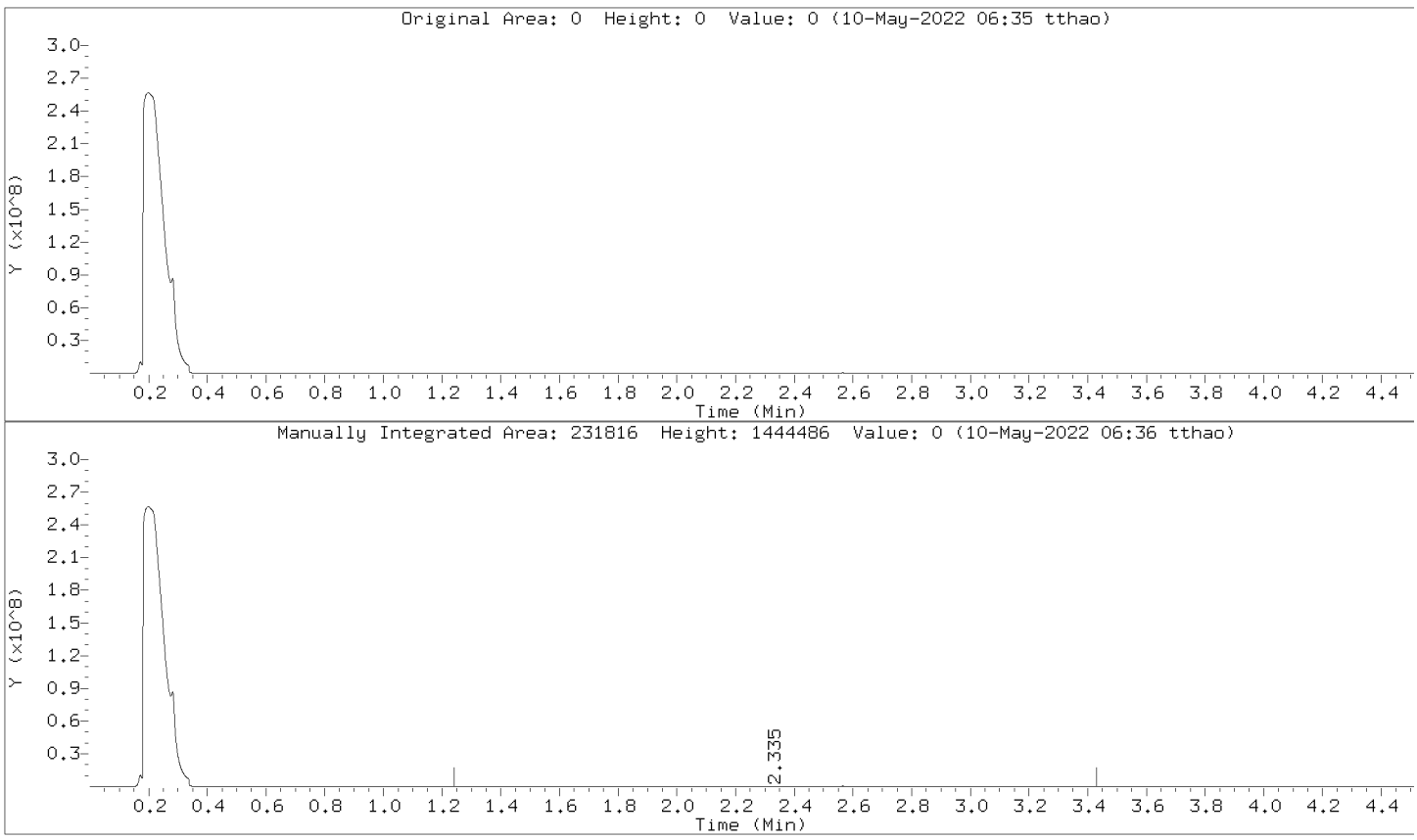
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



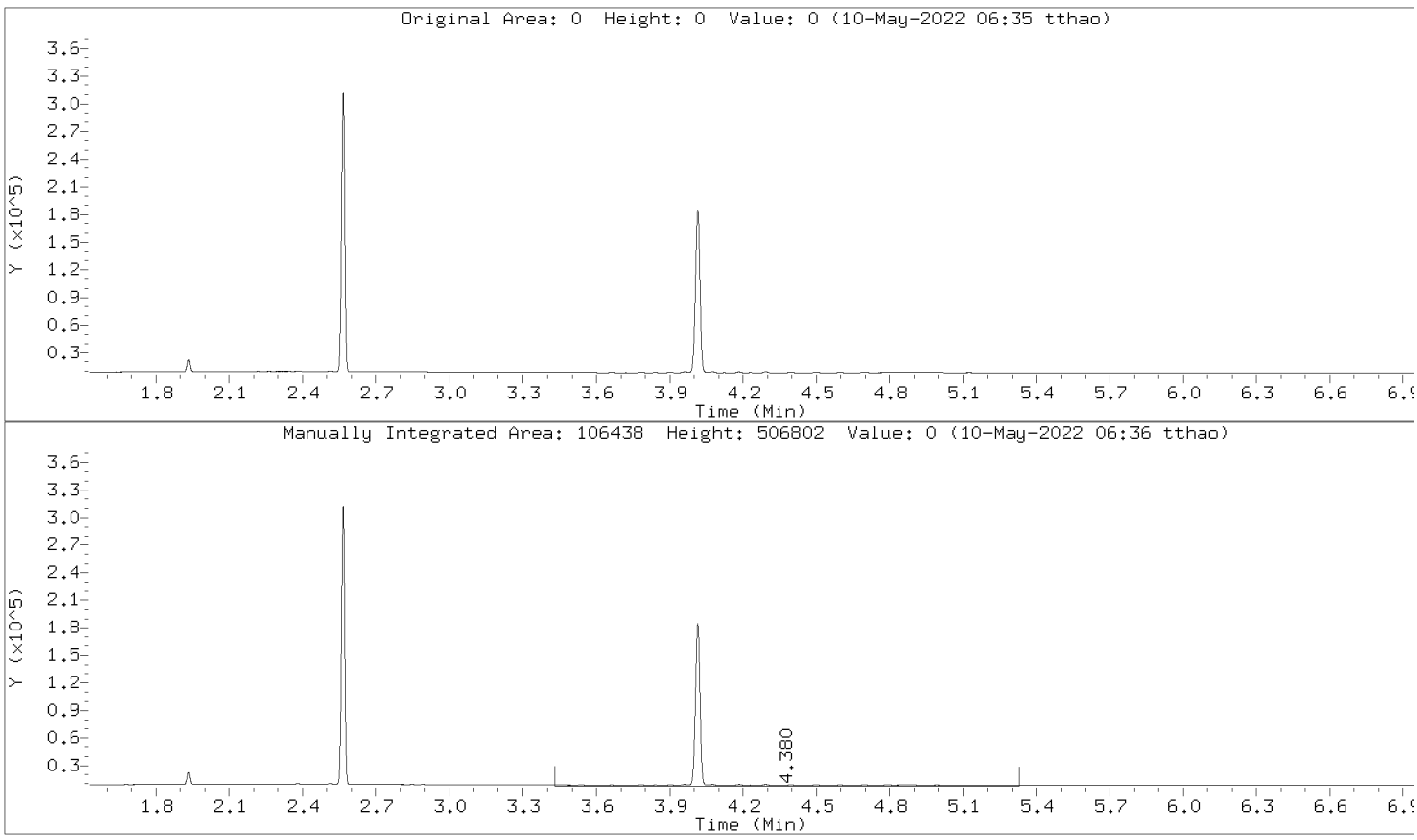
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



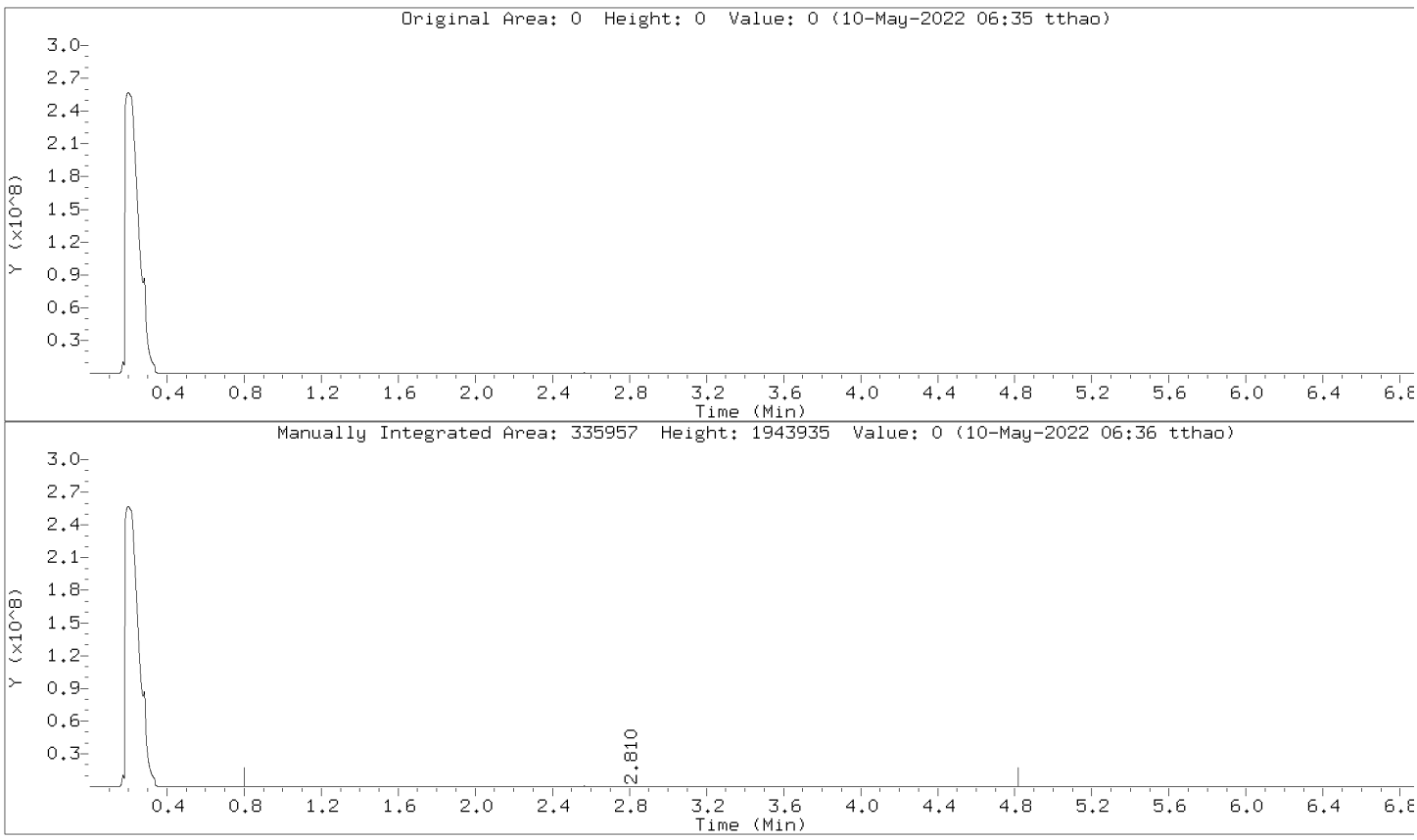
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



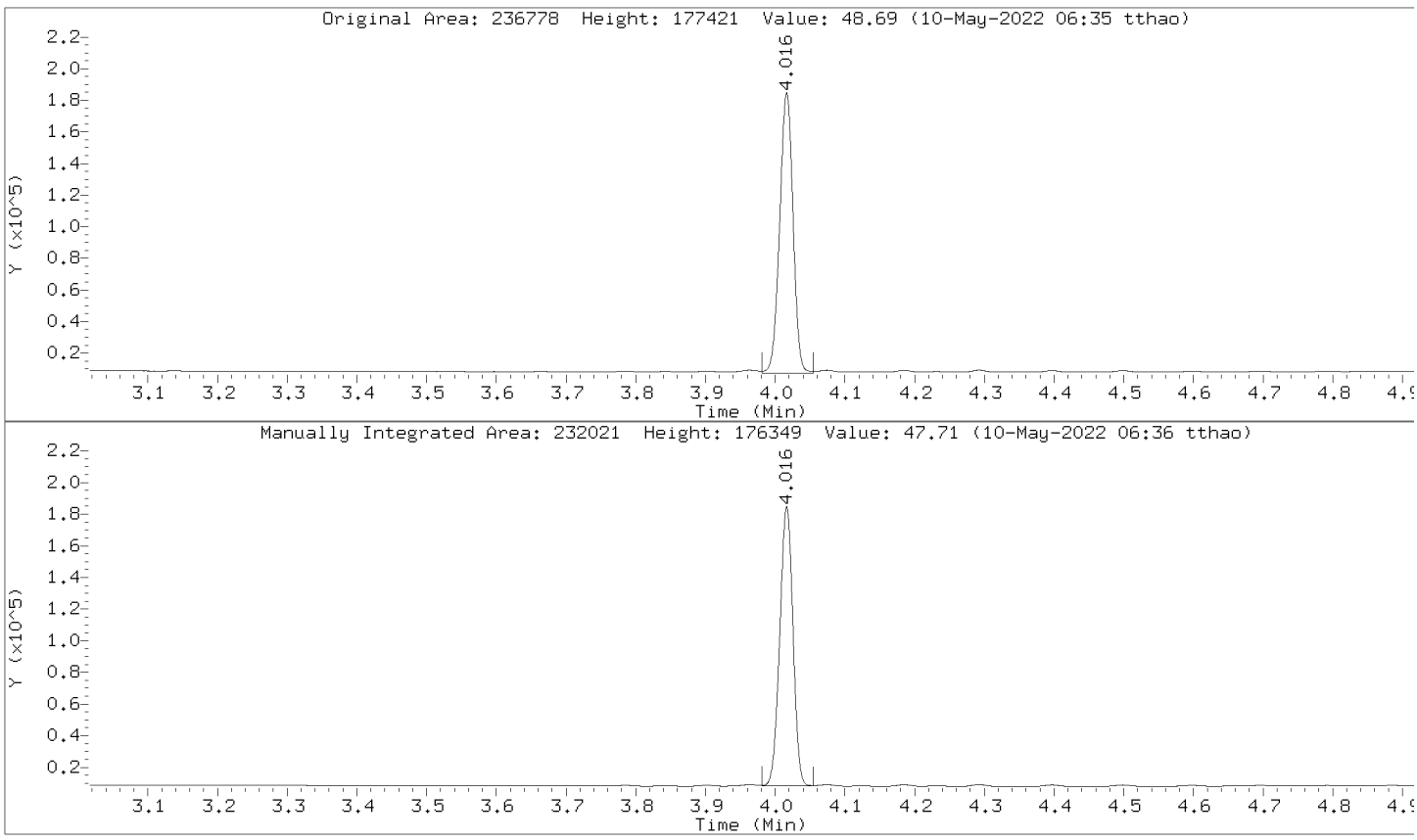
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: C10-C36 Review Code: RNG
CAS Number:



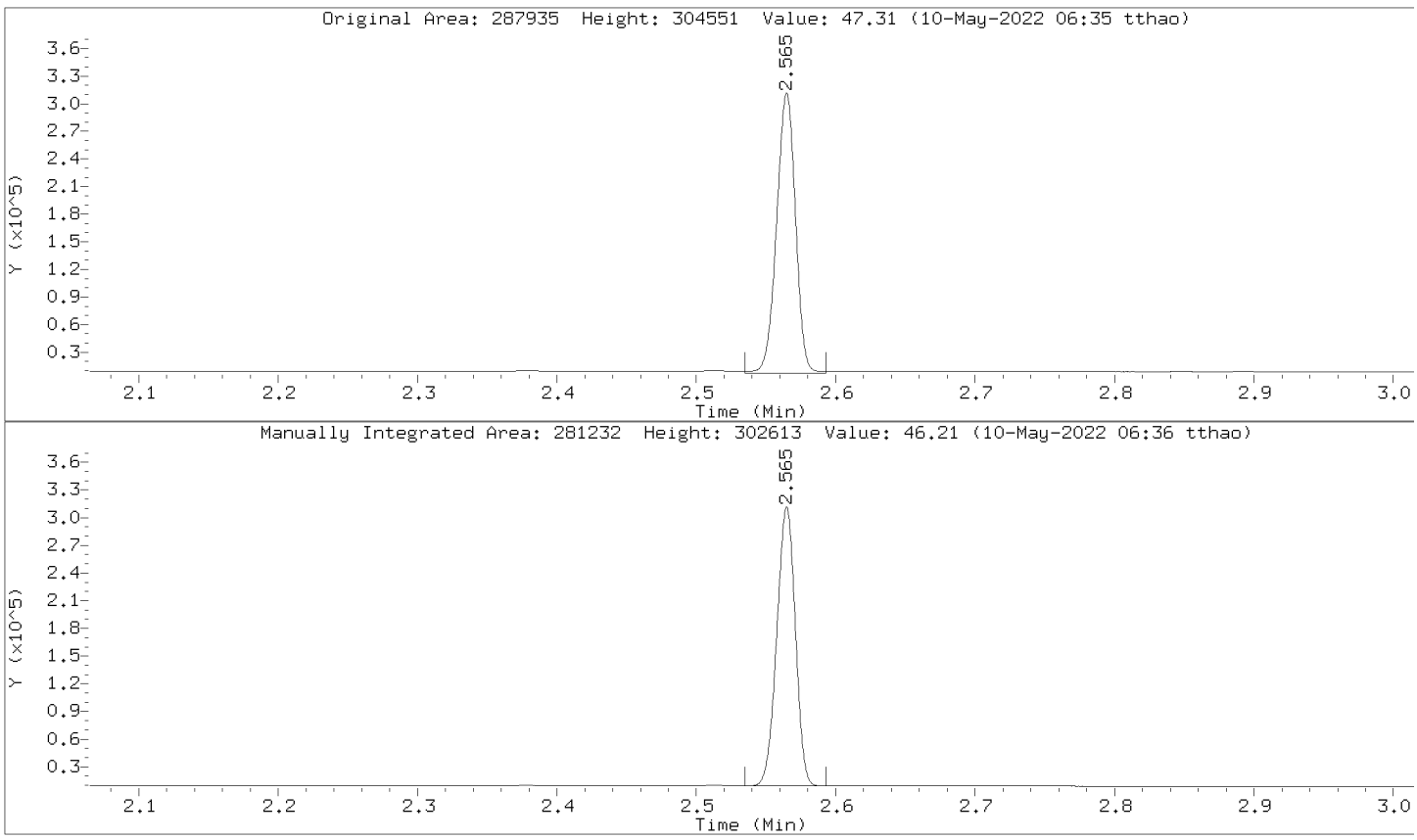
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	0	80663
DRO by AK 102	0	255294
TPH-DRO (C10-C28)	0	288169
Motor Oil Range (C24-C36)	0	90995
Diesel Fuel Range	0	231816
Motor Oil Range	0	106438
Diesel Fuel Range SG	0	231816
Motor Oil Range SG	0	106438
C10-C36	0	335957
n-Triacontane (S)	236778	232021
o-Terphenyl (S)	287935	281232

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000003.D
Lab Smp Id: DMO-RTM,365036:2 Client Smp ID: DMO-RTM,365036:2
Inj Date : 11-MAY-2022 13:45
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-rtm,365036:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 11-May-2022 15:29 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

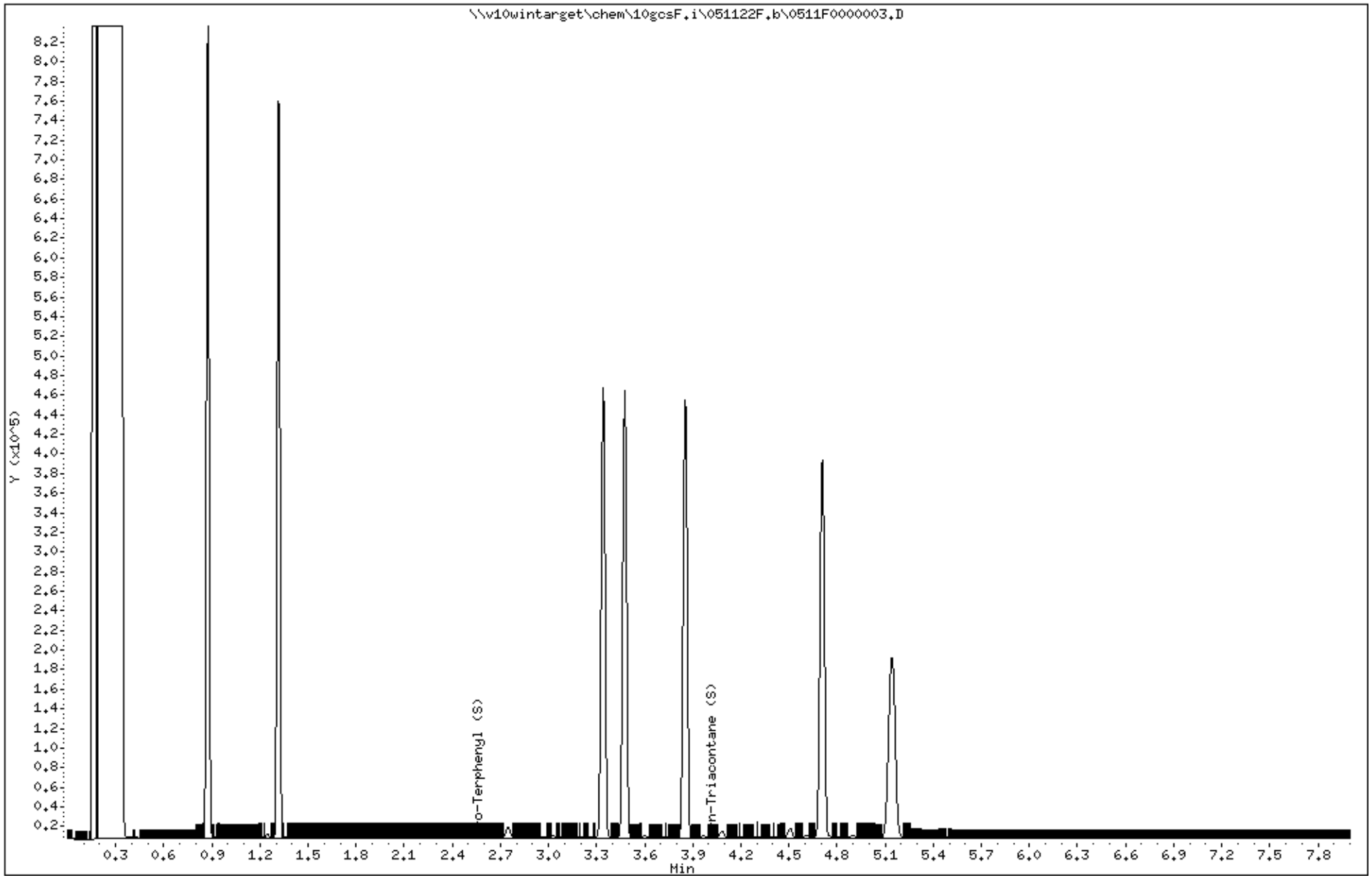
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/mL)	REVIEW CODE	
S 1 DRO by AK 102						CAS #:	
0.800	- 3.385		1959631	321.556	322		
$ 2 o-Terphenyl (S)						CAS #:	
2.565	2.566	-0.001	356	0.05850	0.0585		(R)
$ 3 n-Triacontane (S)						CAS #:	
4.023	4.025	-0.002	166	0.03413	0.0341		(R)
S 4 Residual Range Organics AK103						CAS #:	
3.386	- 4.800		1839761	544.678	545		
S 5 TPH-DRO (C10-C28)						CAS #:	
0.800	- 3.940		3141832	471.564	472		
S 6 Motor Oil Range (C24-C36)						CAS #:	
3.250	- 4.800		2418140	692.959	693		
S 7 C10-C36						CAS #:	
0.800	- 4.800		3799393	813.676	814		
S 8 Diesel Fuel Range						CAS #:	
1.240	- 3.440		1380903	257.922	258		
S 9 Diesel Fuel Range SG						CAS #:	
1.240	- 3.440		1380903	257.922	258		
S 10 Motor Oil Range						CAS #:	
3.441	- 5.260		2320387	567.183	567		
S 11 Motor Oil Range SG						CAS #:	
3.441	- 5.260		2320387	567.559	568		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000003.D
Date : 11-MAY-2022 13:45
Client ID: DMO-RTM,365036:2
Sample Info: DMO-RTM,365036:2

Instrument: 10gcsF.i
Operator: EB3
Column phase: DB-5-US21390001
Column diameter: 0.32



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10606561

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000003.D
Injection Date: 11-MAY-2022 13:45
Instrument: 10gcsF.i
Lab Sample ID: DMO-RTM,365036:2
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1839761	1839761
DRO by AK 102	1959631	1959631
TPH-DRO (C10-C28)	3141832	3141832
Motor Oil Range (C24-C36)	2418518	2418140
Diesel Fuel Range	1380445	1380903
Motor Oil Range	2324491	2320387
Diesel Fuel Range SG	1380445	1380903
Motor Oil Range SG	2324491	2320387
C10-C36	3799393	3799393
n-Triacontane (S)	166	166
o-Terphenyl (S)	356	356

SAMPLE NO.

29929189ICV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota
Calibration Date: 05/09/2022 Time: 17:27

Instrument ID: 10GCSF GC Column: FID
Init. Calib. Date(s): 05/09/2022 05/09/2022

Lab File ID: 050922F.B\0509F0000035.D
Init. Calib. Time(s): 15:19 17:04

SDG No.: 10606561

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	521.2485	0.0100	4.2497	15.0000
Motor Oil Range	Linear	500	509.6966	0.0100	1.9393	15.0000
n-Triacontane (S)	Averaged	4863.151	4934.100	0.0100	1.4589	15.0000
o-Terphenyl (S)	Averaged	6085.641	5925.220	0.0100	-2.6361	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

30016302CCV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Calibration Date: 05/11/2022 Time: 20:44

Instrument ID: 10GCSF GC Column: FID Init. Calib. Date(s): 05/09/2022 05/09/2022

Lab File ID: 051122F.B\0511F0000040.D Init. Calib. Time(s): 15:19 17:04

SDG No.: 10606561

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	516.4115	0.0100	3.2823	15.0000
Motor Oil Range	Linear	500	498.7117	0.0100	-0.2576	15.0000
n-Triacontane (S)	Averaged	4863.151	4871.920	0.0100	0.1803	15.0000
o-Terphenyl (S)	Averaged	6085.641	5950.740	0.0100	-2.2167	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

30016304CCV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Calibration Date: 05/11/2022 Time: 22:03

Instrument ID: 10GCSF GC Column: FID Init. Calib. Date(s): 05/09/2022 05/09/2022

Lab File ID: 051122F.B\0511F0000047.D Init. Calib. Time(s): 15:19 17:04

SDG No.: 10606561

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	519.0962	0.0100	3.8192	15.0000
Motor Oil Range	Linear	500	493.0107	0.0100	-1.3979	15.0000
n-Triacontane (S)	Averaged	4863.151	4930.680	0.0100	1.3886	15.0000
o-Terphenyl (S)	Averaged	6085.641	6005.140	0.0100	-1.3228	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000035.D
Lab Smp Id: DMO-ICV,365117:2 Client Smp ID: DMO-ICV,365117:2
Inj Date : 09-MAY-2022 17:27
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-icv,365117:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 13 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10SVOA-TT

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		2988000	500.000	520	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.565	2.565	0.000	296261	50.0000	48.7	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.017	4.017	0.000	246705	50.0000	50.7	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		1737328	500.000	513	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		3425790	500.000	519	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		1817086	500.000	513	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		4725328	1000.00	1030	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		2521516	500.000	521	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		2521516	500.000	521	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		2096826	500.000	510	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		2096826	500.000	510	(M)	RNG

QC Flag Legend

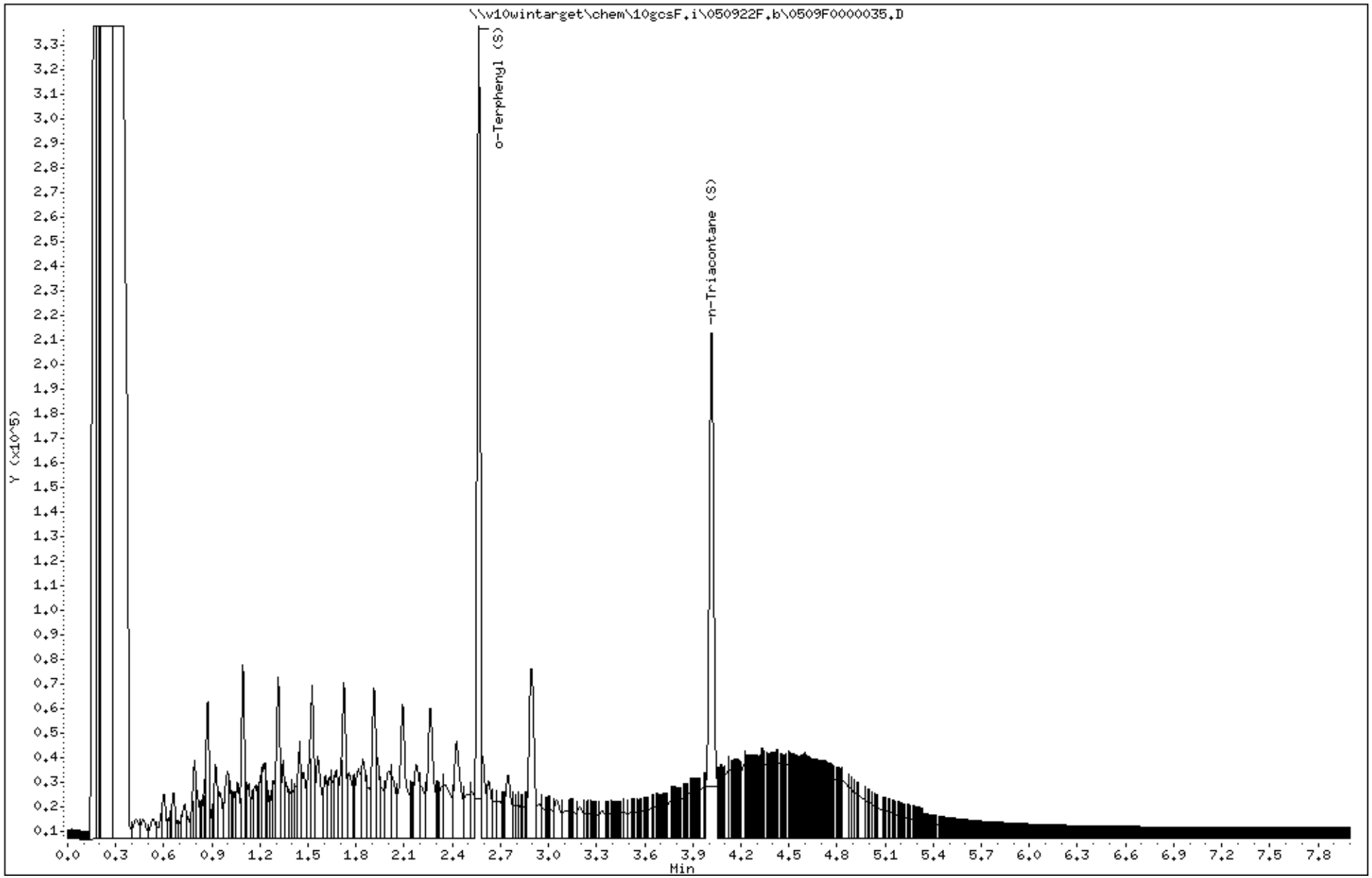
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000035.D
Date : 09-MAY-2022 17:27
Client ID: DMO-ICV,365117:2
Sample Info: DMO-ICV,365117:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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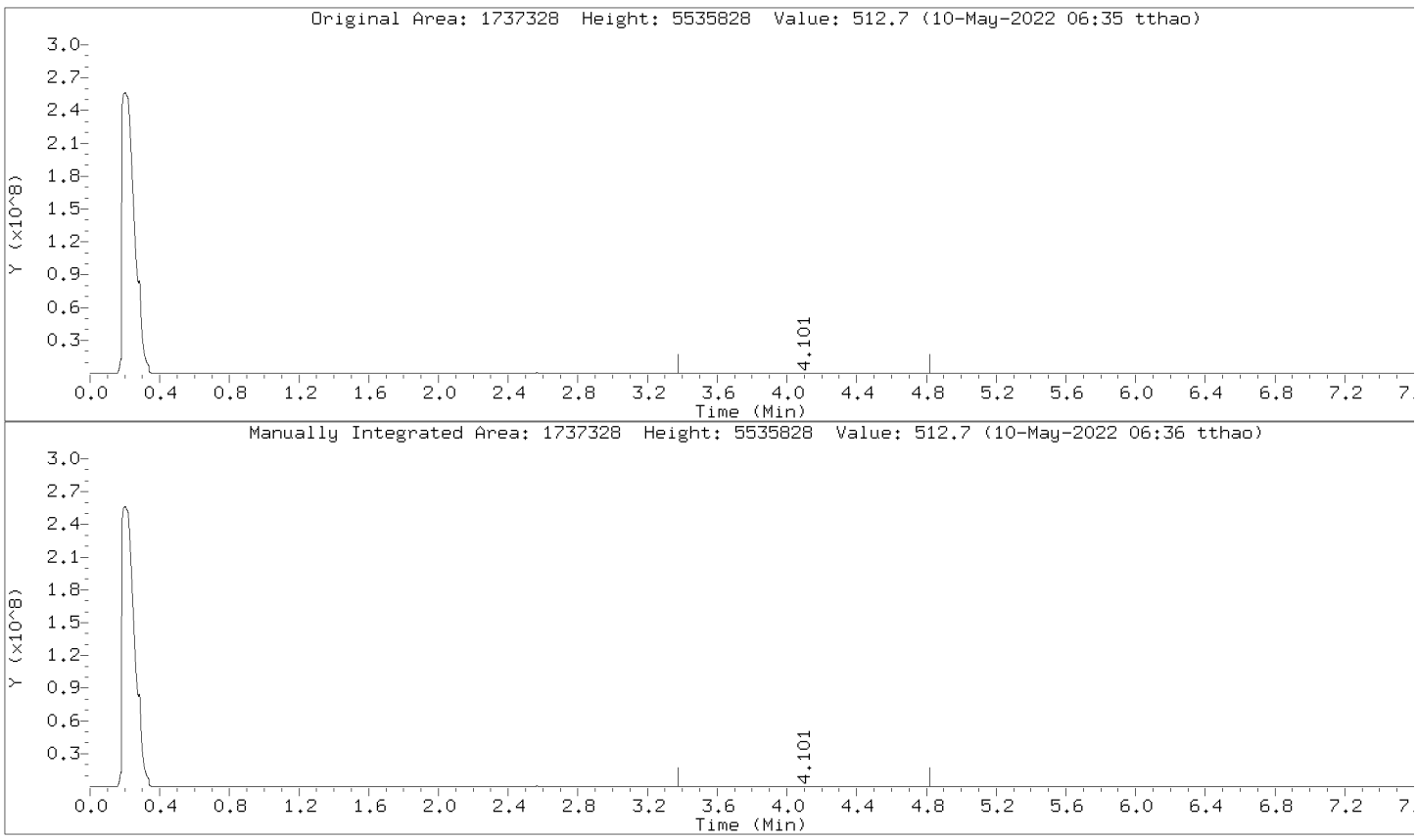
194 of 686
10606561

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



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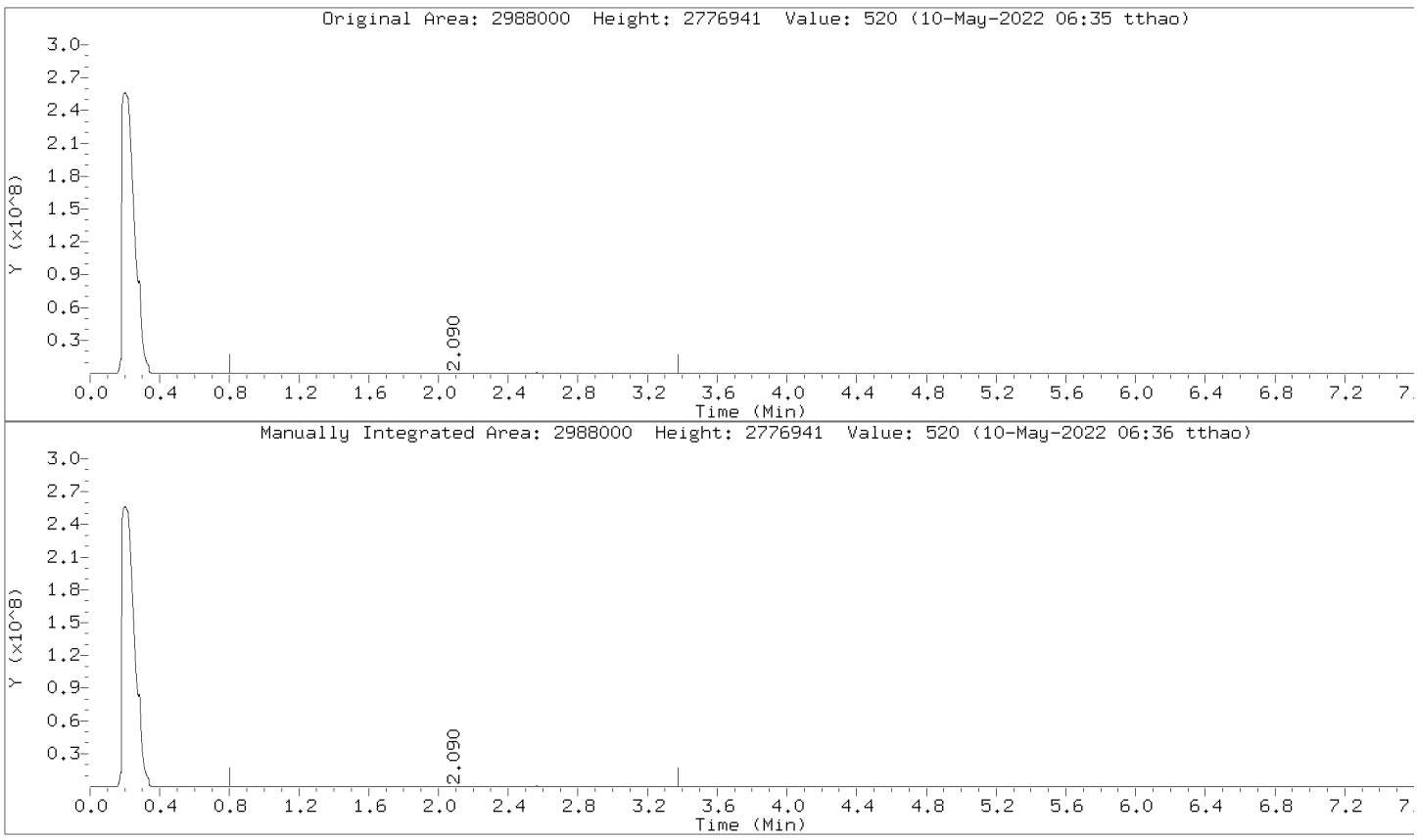
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



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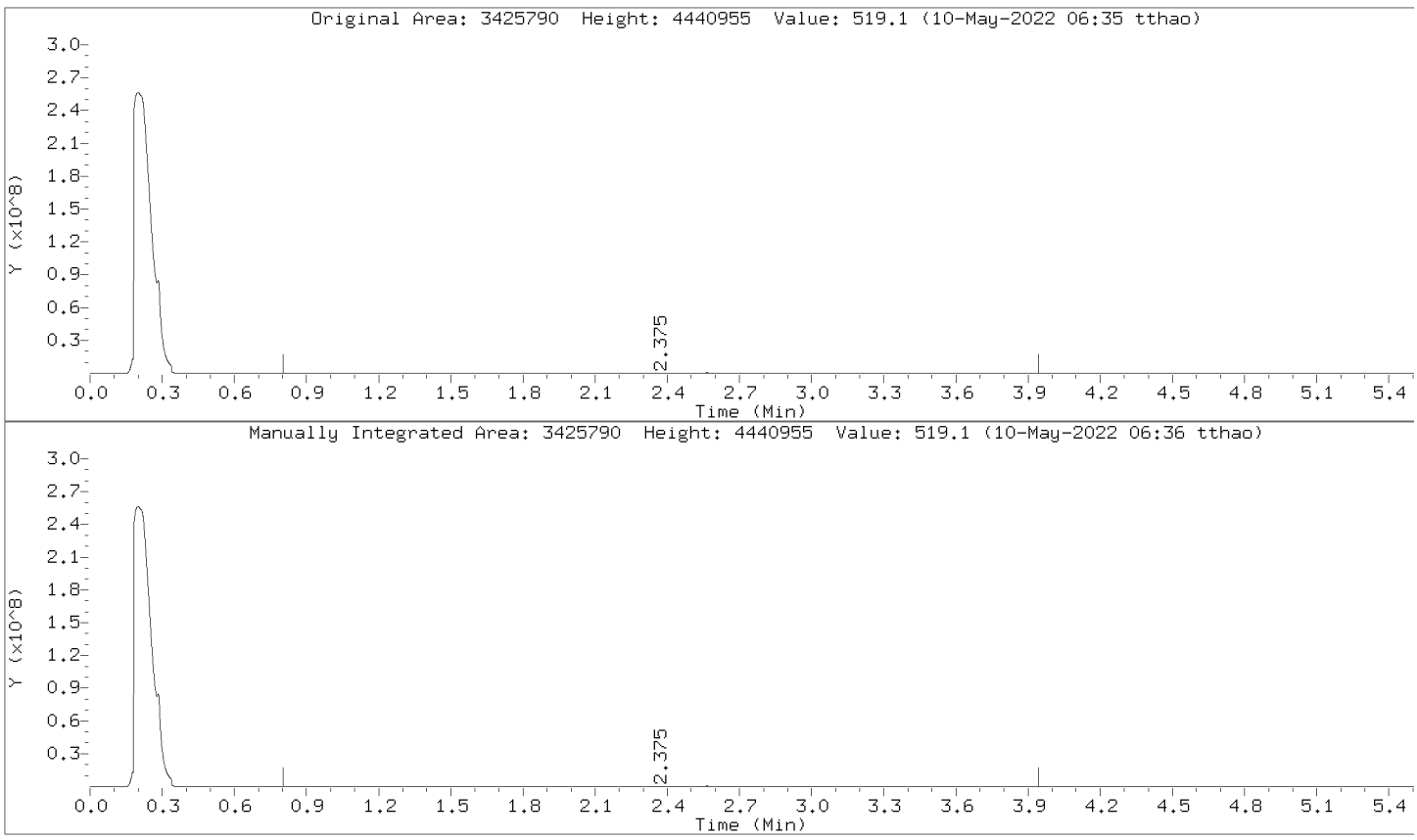
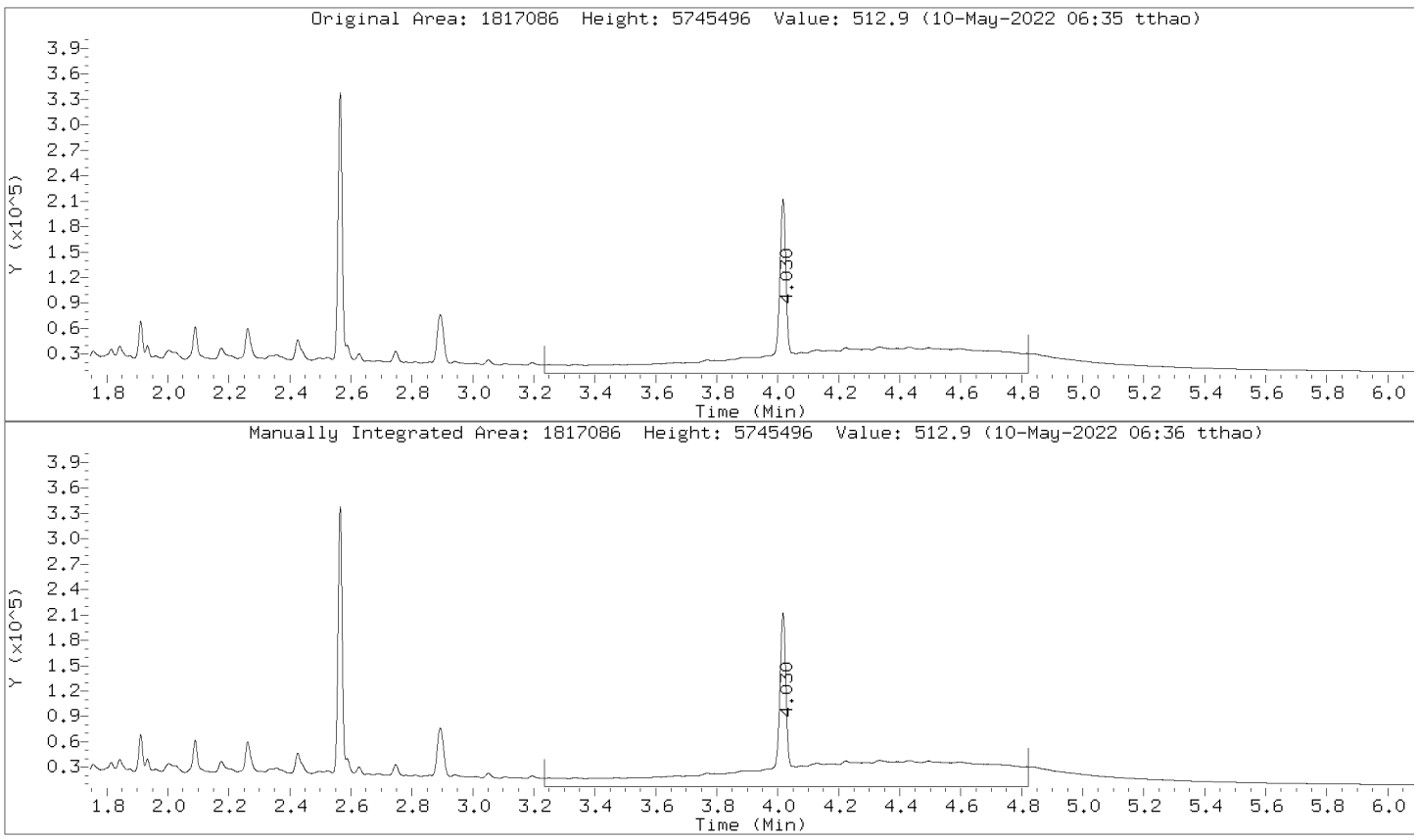
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



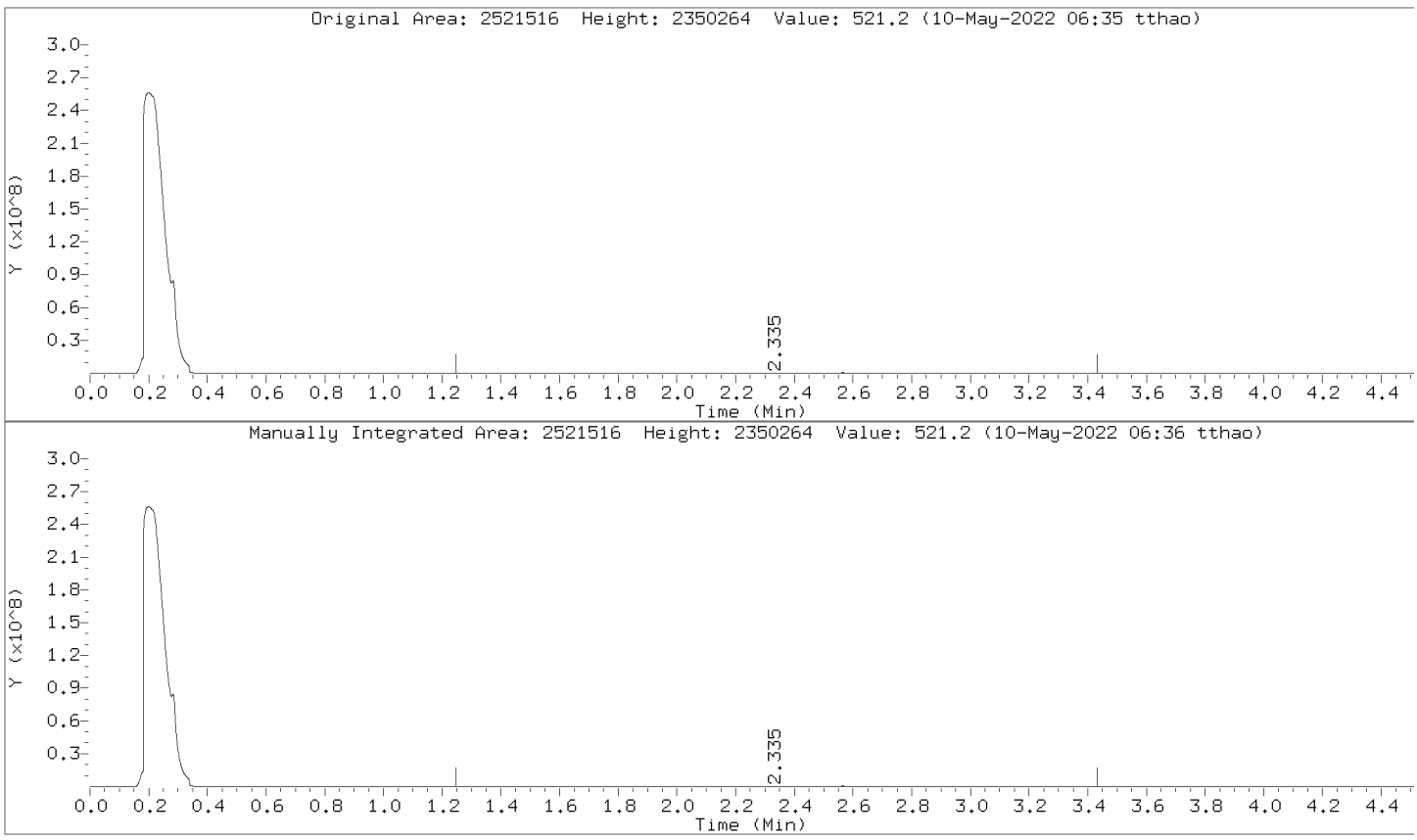
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



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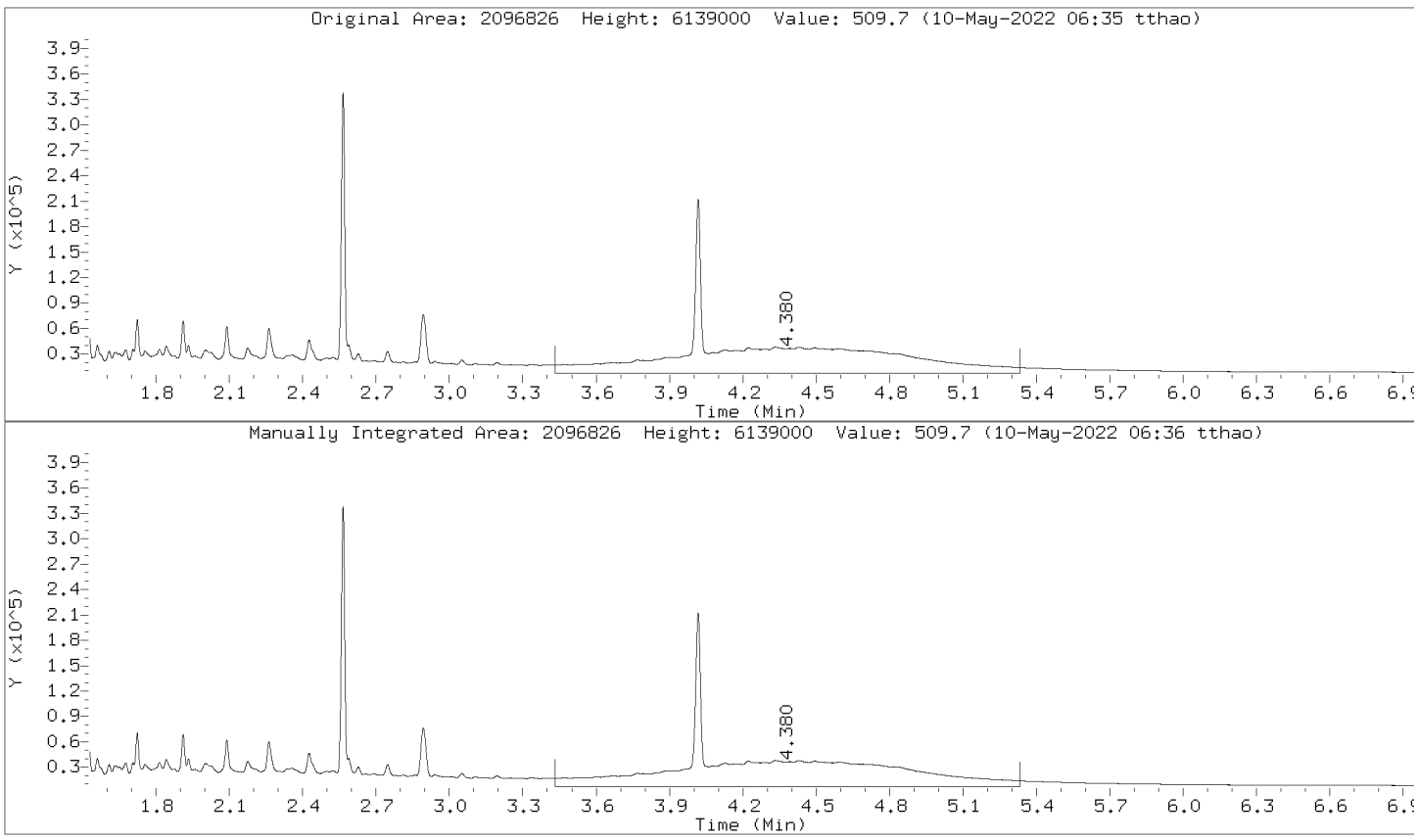
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



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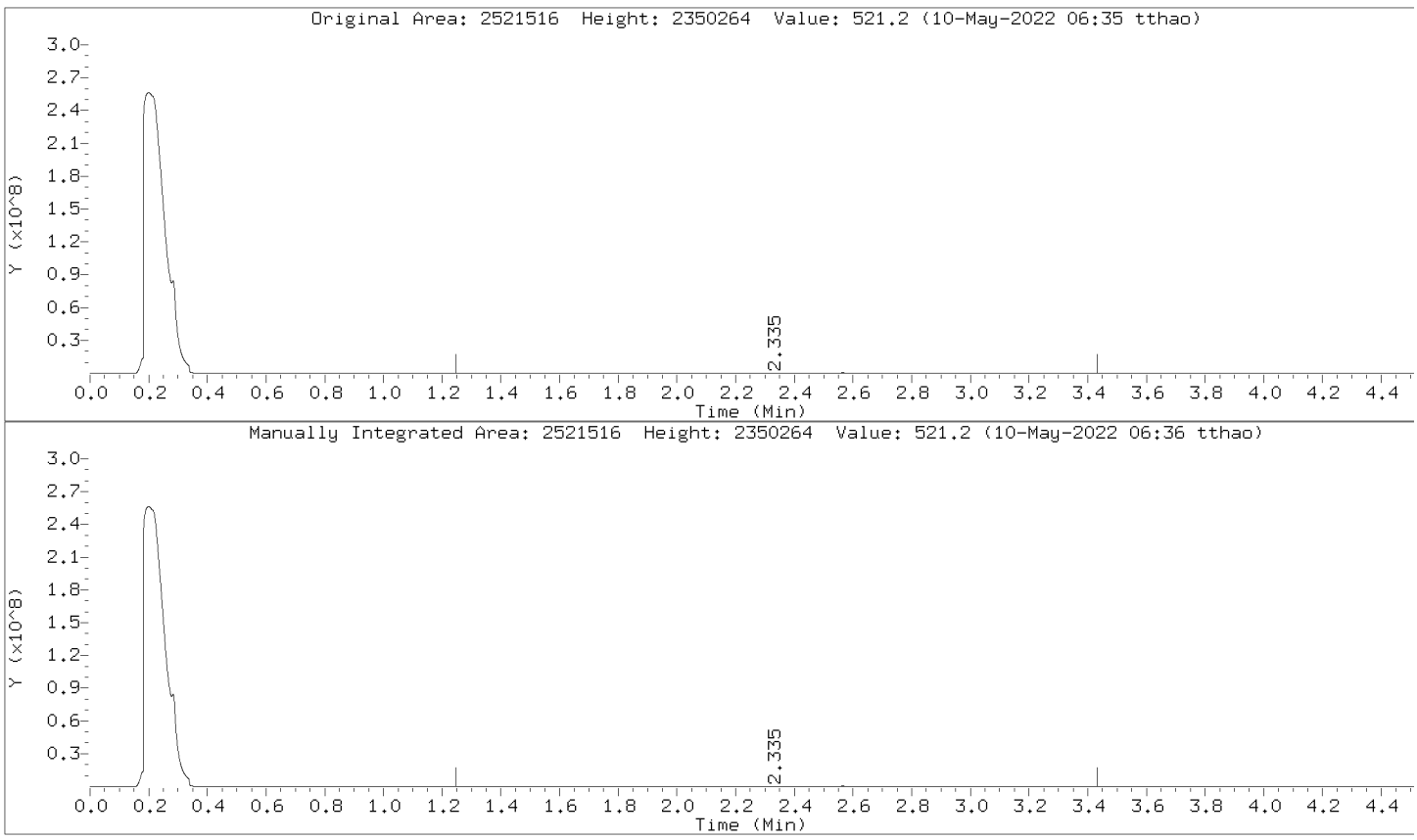
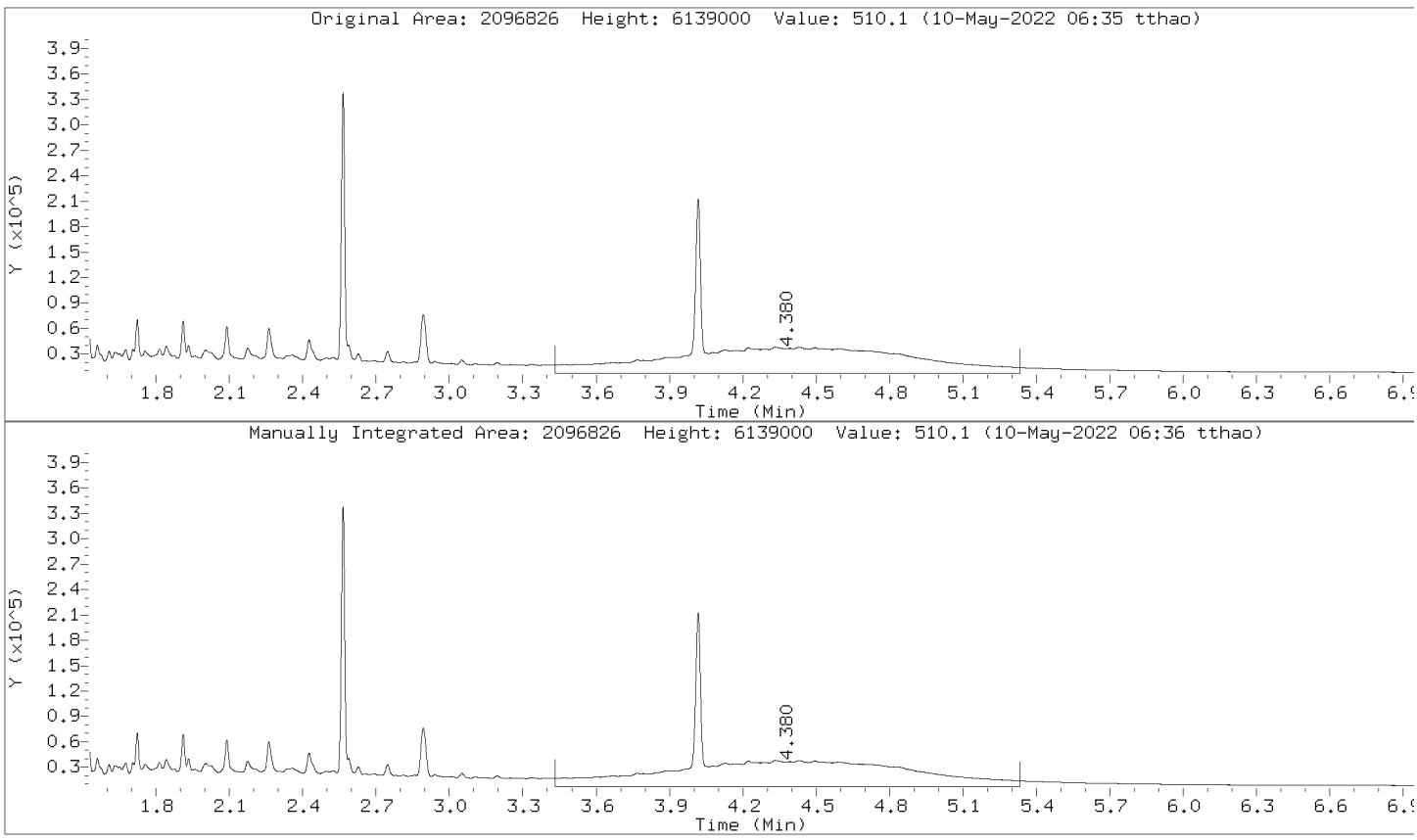
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



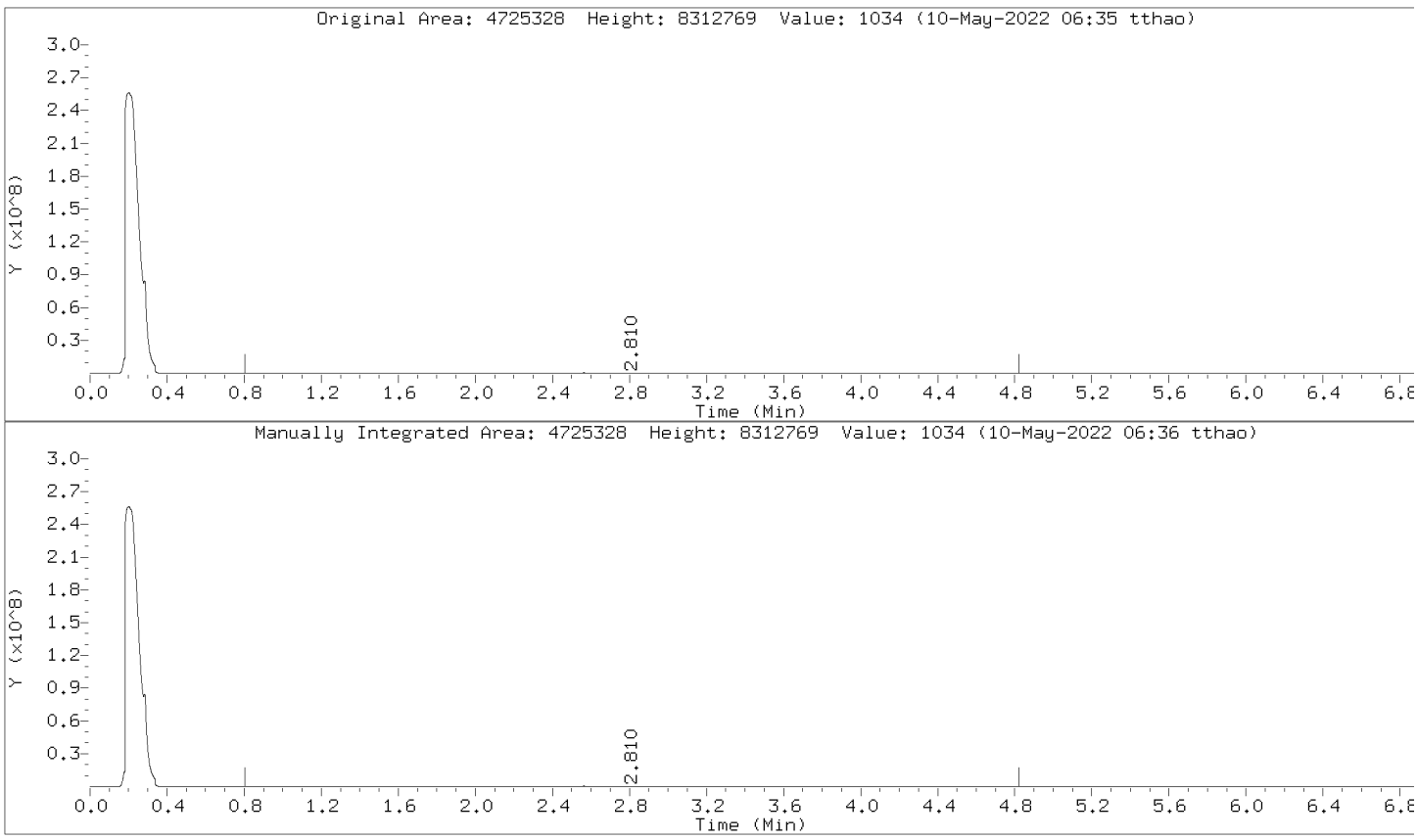
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



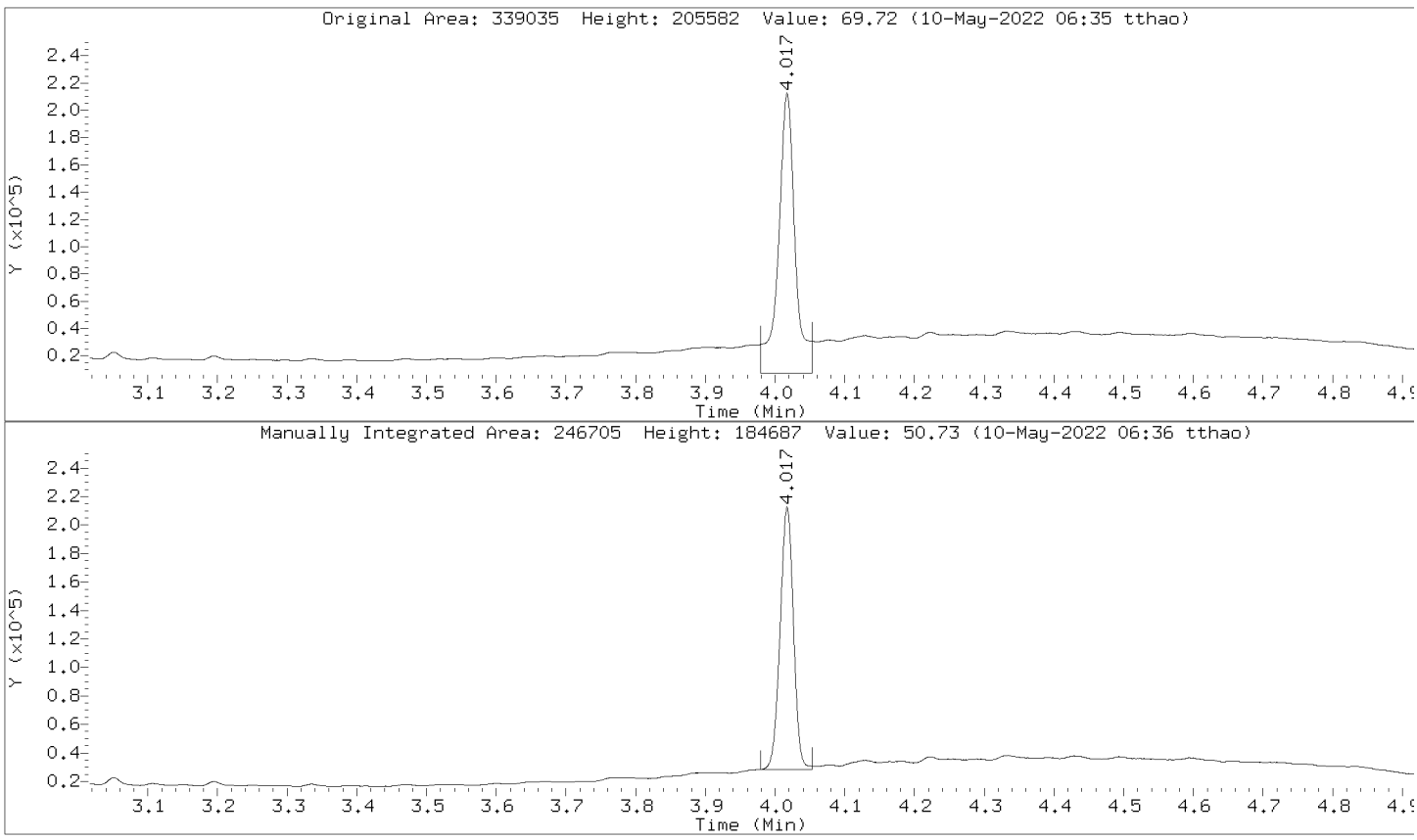
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: C10-C36 Review Code: RNG
CAS Number:



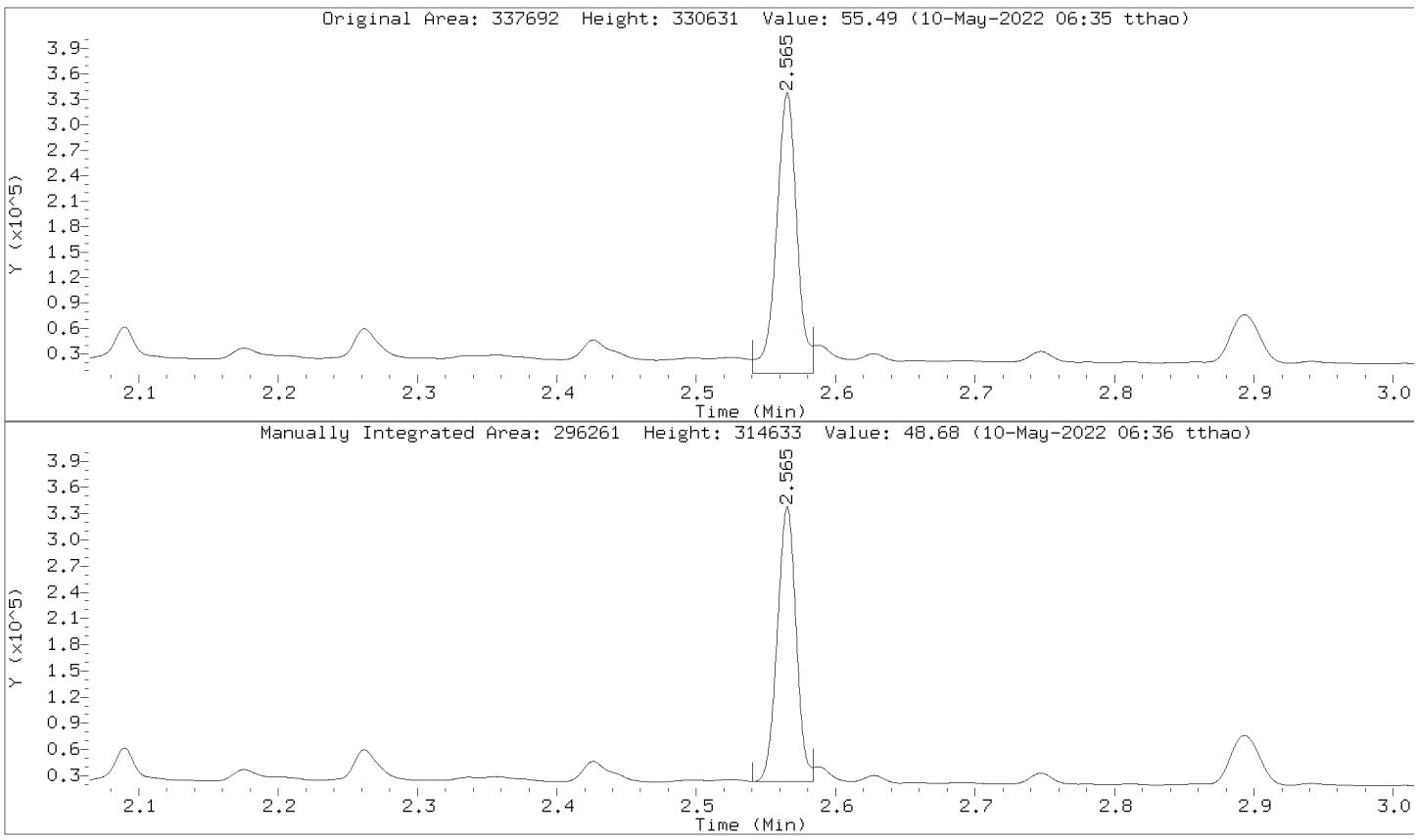
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1737328	1737328
DRO by AK 102	2988000	2988000
TPH-DRO (C10-C28)	3425790	3425790
Motor Oil Range (C24-C36)	1817086	1817086
Diesel Fuel Range	2521516	2521516
Motor Oil Range	2096826	2096826
Diesel Fuel Range SG	2521516	2521516
Motor Oil Range SG	2096826	2096826
C10-C36	4725328	4725328
n-Triacontane (S)	339035	246705
o-Terphenyl (S)	337692	296261

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000040.D
Lab Smp Id: DMO-CCV,363721:2 Client Smp ID: DMO-CCV,363721:2
Inj Date : 11-MAY-2022 20:44
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-ccv,363721:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

			AMOUNTS			
				CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE
S 1 DRO by AK 102					CAS #:	
0.800	- 3.385		2959603	500.000	514	(M) RNG
$ 2 o-Terphenyl (S)					CAS #:	
2.568	2.568	0.000	297537	50.0000	48.9	(M) BA
$ 3 n-Triacontane (S)					CAS #:	
4.027	4.028	-0.001	243596	50.0000	50.1	(M) BA
S 4 Residual Range Organics AK103					CAS #:	
3.386	- 4.800		1709515	500.000	504	(M) RNG
S 5 TPH-DRO (C10-C28)					CAS #:	
0.800	- 3.940		3386239	500.000	512	(M) RNG
S 6 Motor Oil Range (C24-C36)					CAS #:	
3.250	- 4.800		1786895	500.000	504	(M) RNG
S 7 C10-C36					CAS #:	
0.800	- 4.800		4669119	1000.00	1020	(M) RNG
S 8 Diesel Fuel Range					CAS #:	
1.240	- 3.440		2500564	500.000	516	(M) RNG
S 9 Diesel Fuel Range SG					CAS #:	
1.240	- 3.440		2500564	500.000	516	(M) RNG
S 10 Motor Oil Range					CAS #:	
3.441	- 5.260		2054106	500.000	499	(M) RNG
S 11 Motor Oil Range SG					CAS #:	
3.441	- 5.260		2054106	500.000	499	(M) RNG

QC Flag Legend

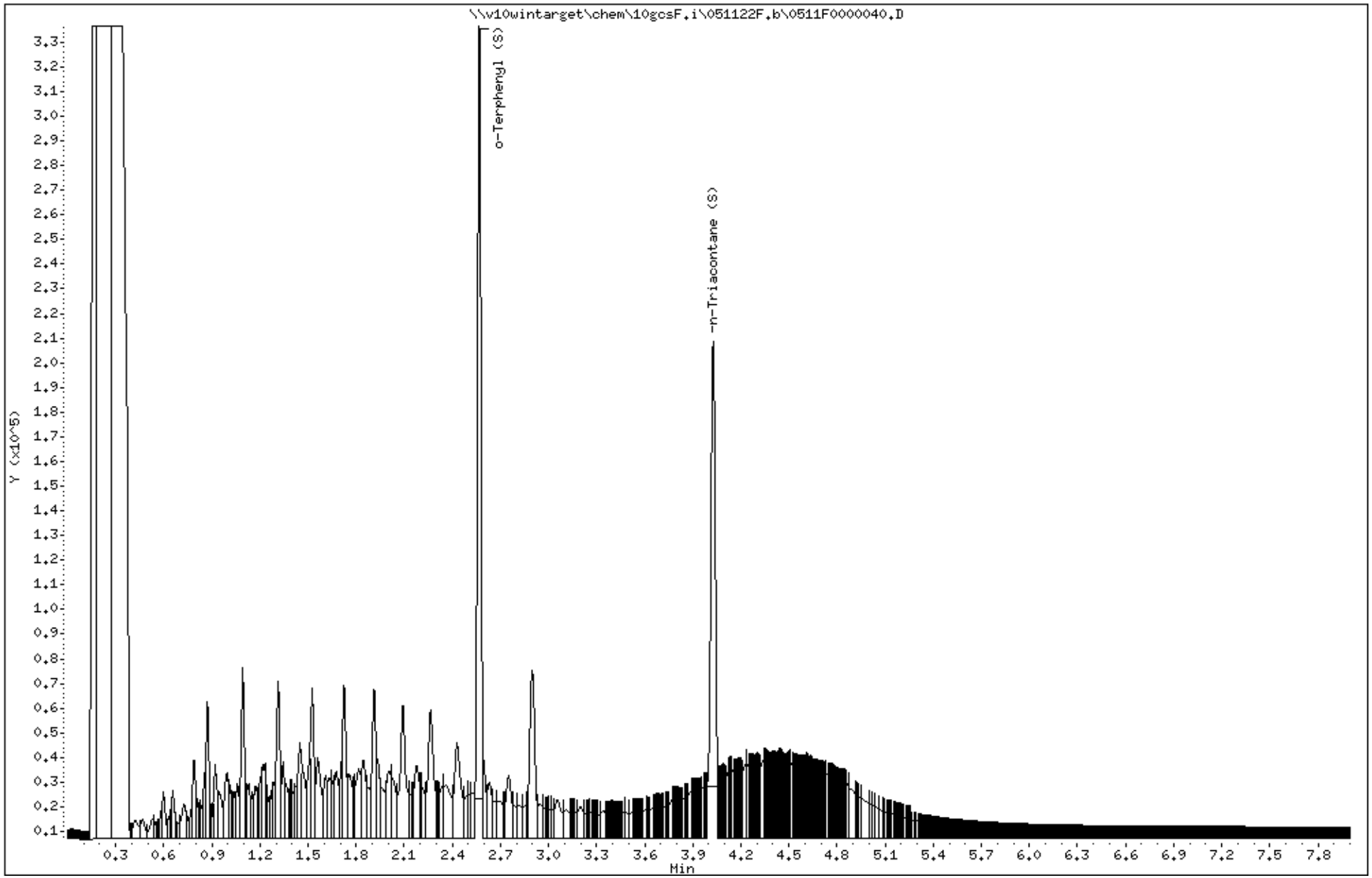
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000040.D
Date : 11-MAY-2022 20:44
Client ID: DMO-CCV,363721:2
Sample Info: DMO-CCV,363721:2

Instrument: 10gcsF.i
Operator: EB3
Column phase: DB-5-US21390001
Column diameter: 0.32



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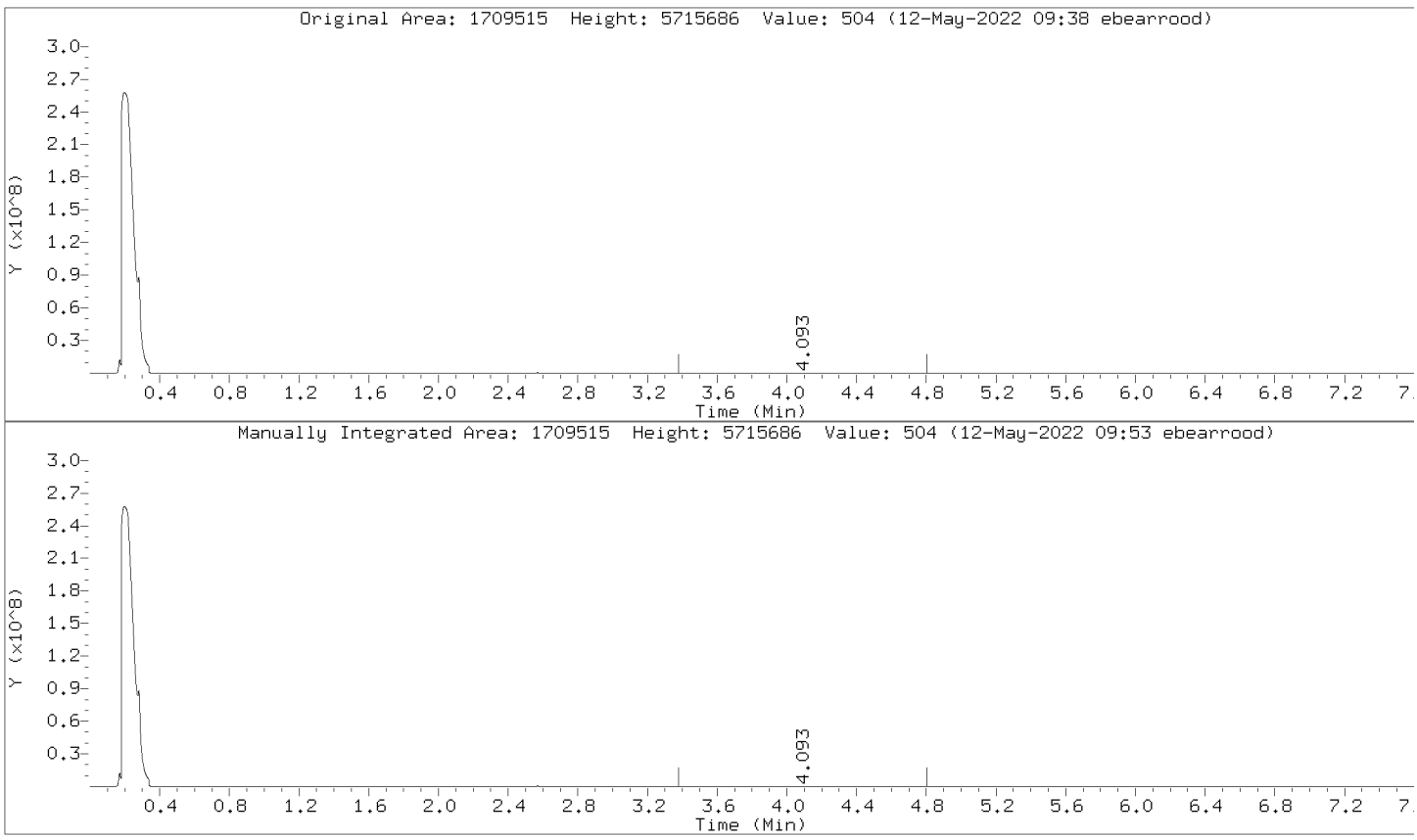
208 of 686
10606561

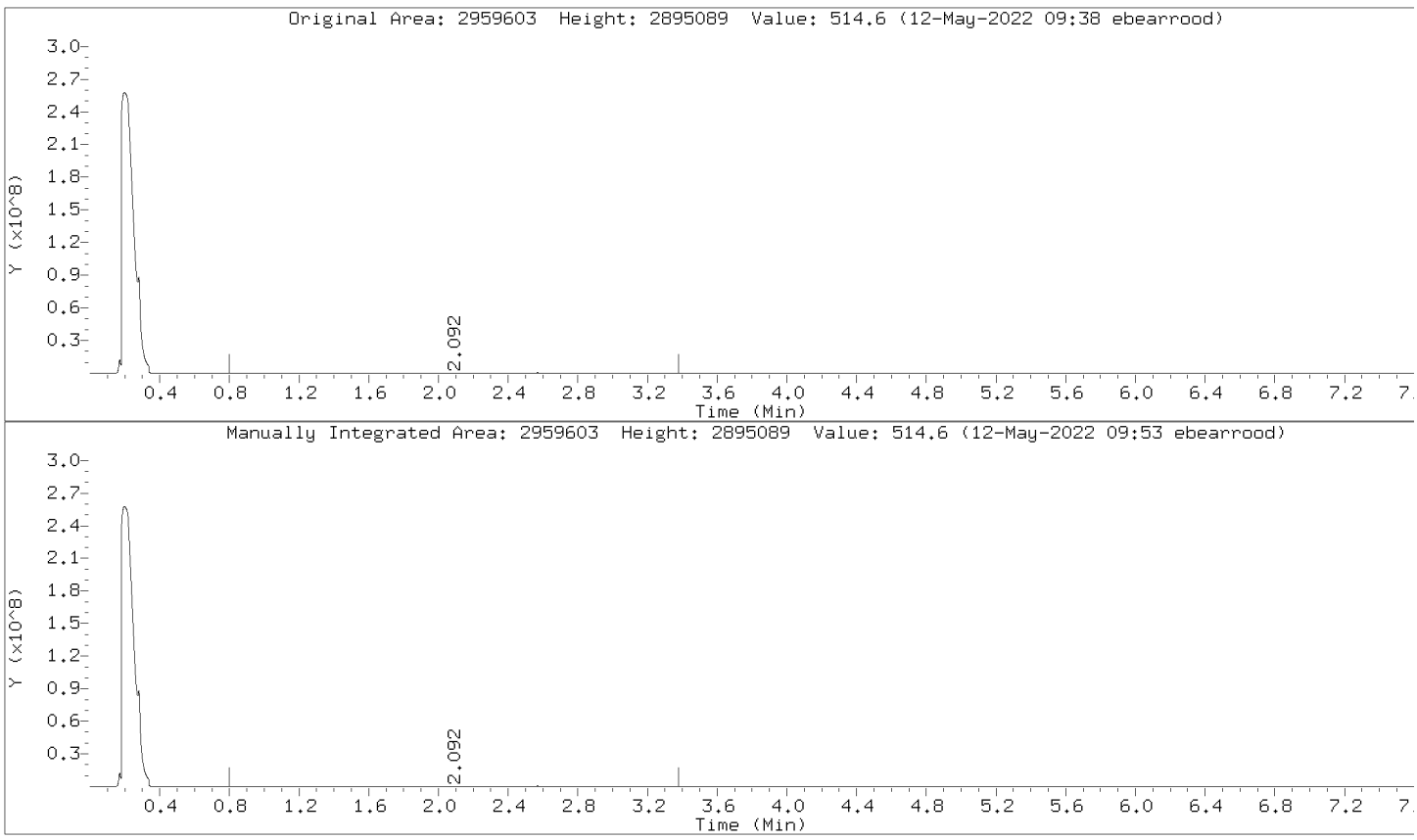
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000040.D
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



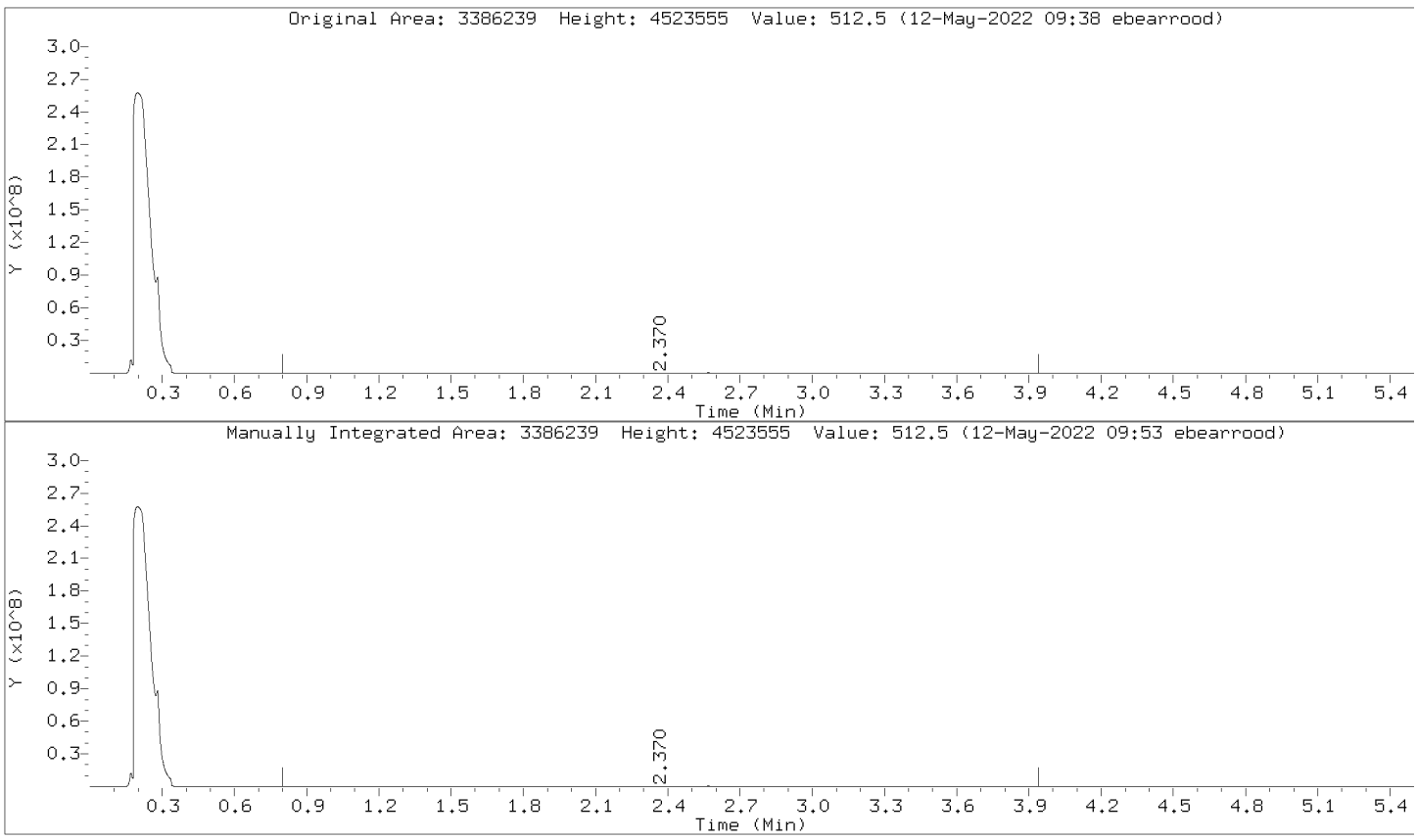
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000040.D
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



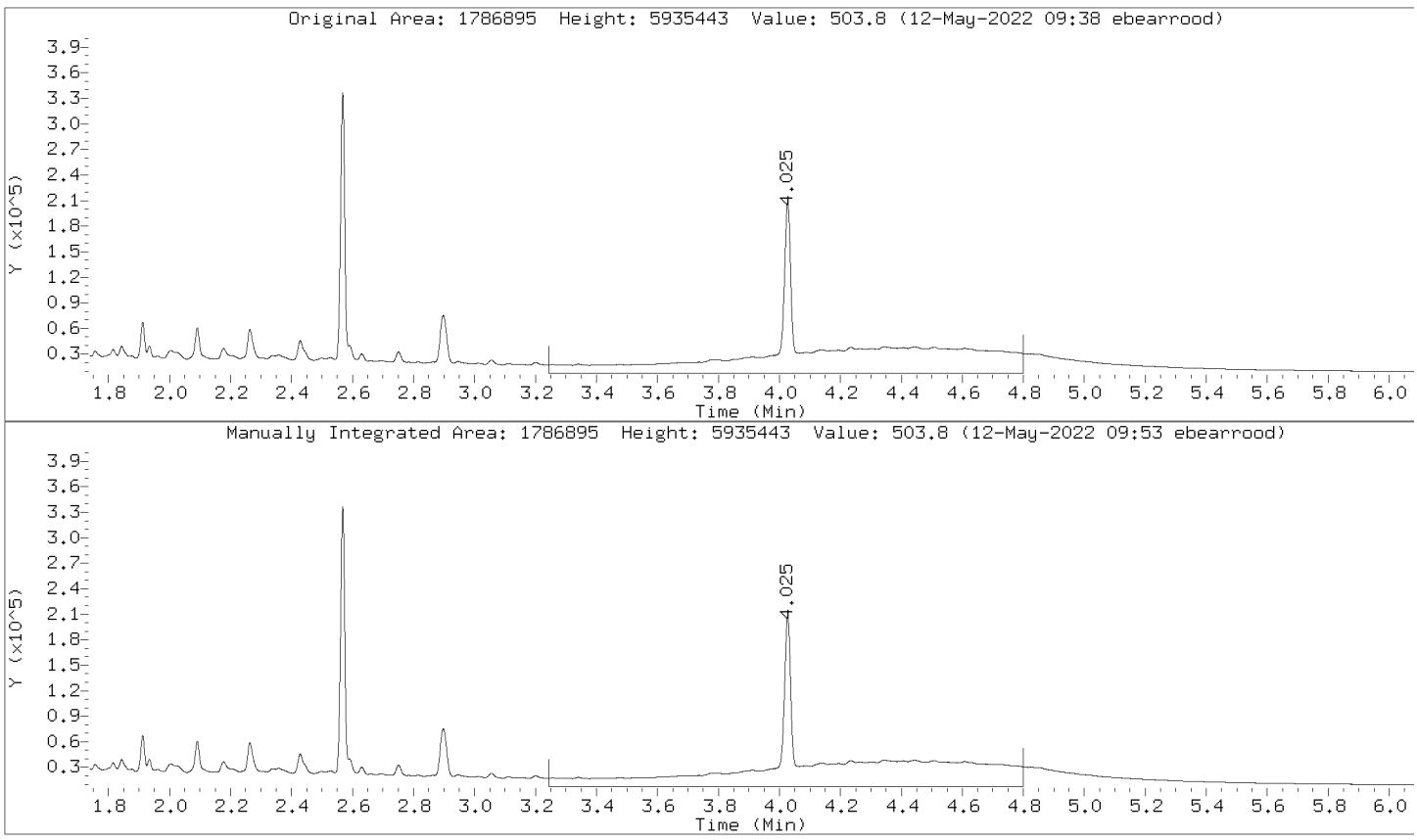
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000040.D
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



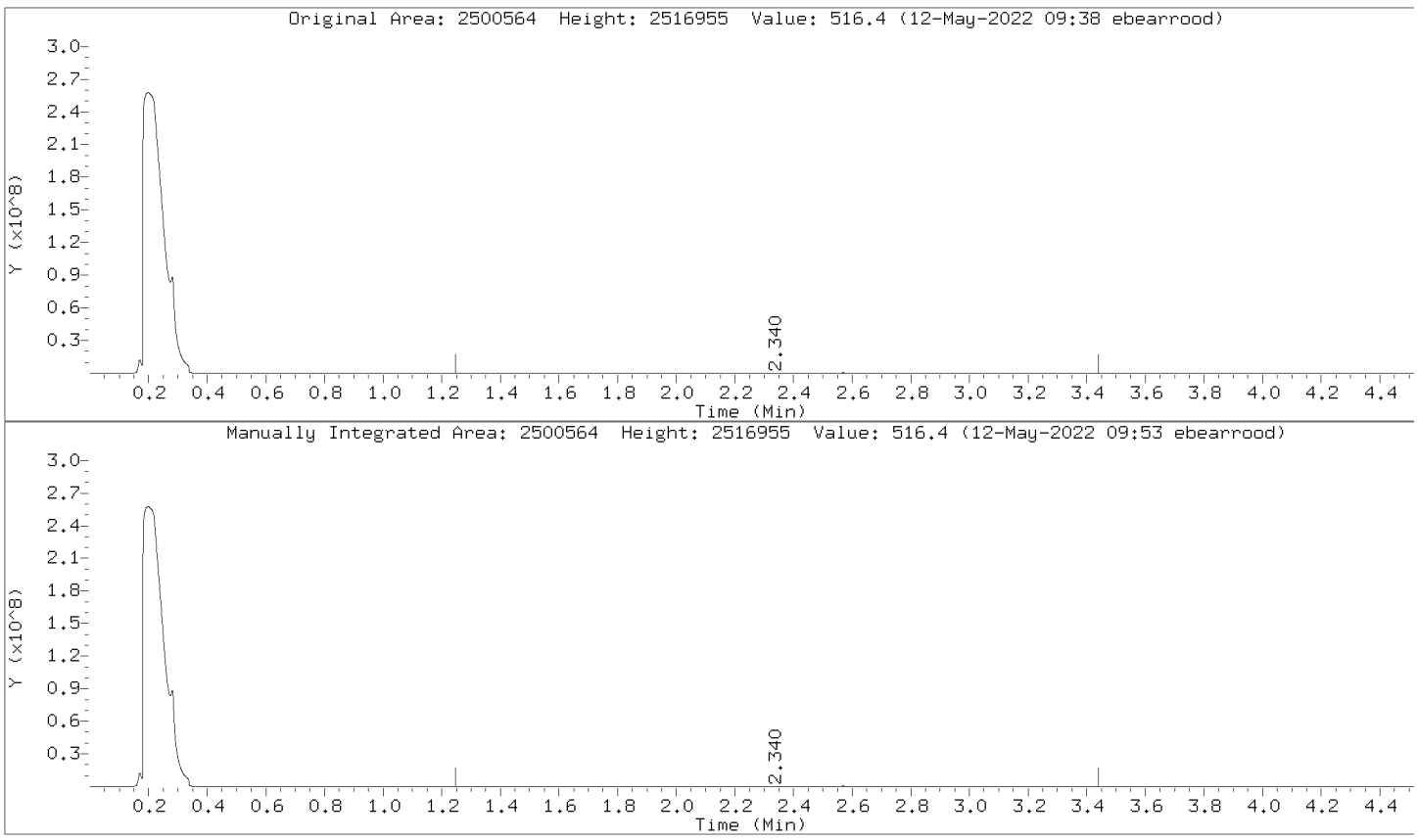
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000040.D
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



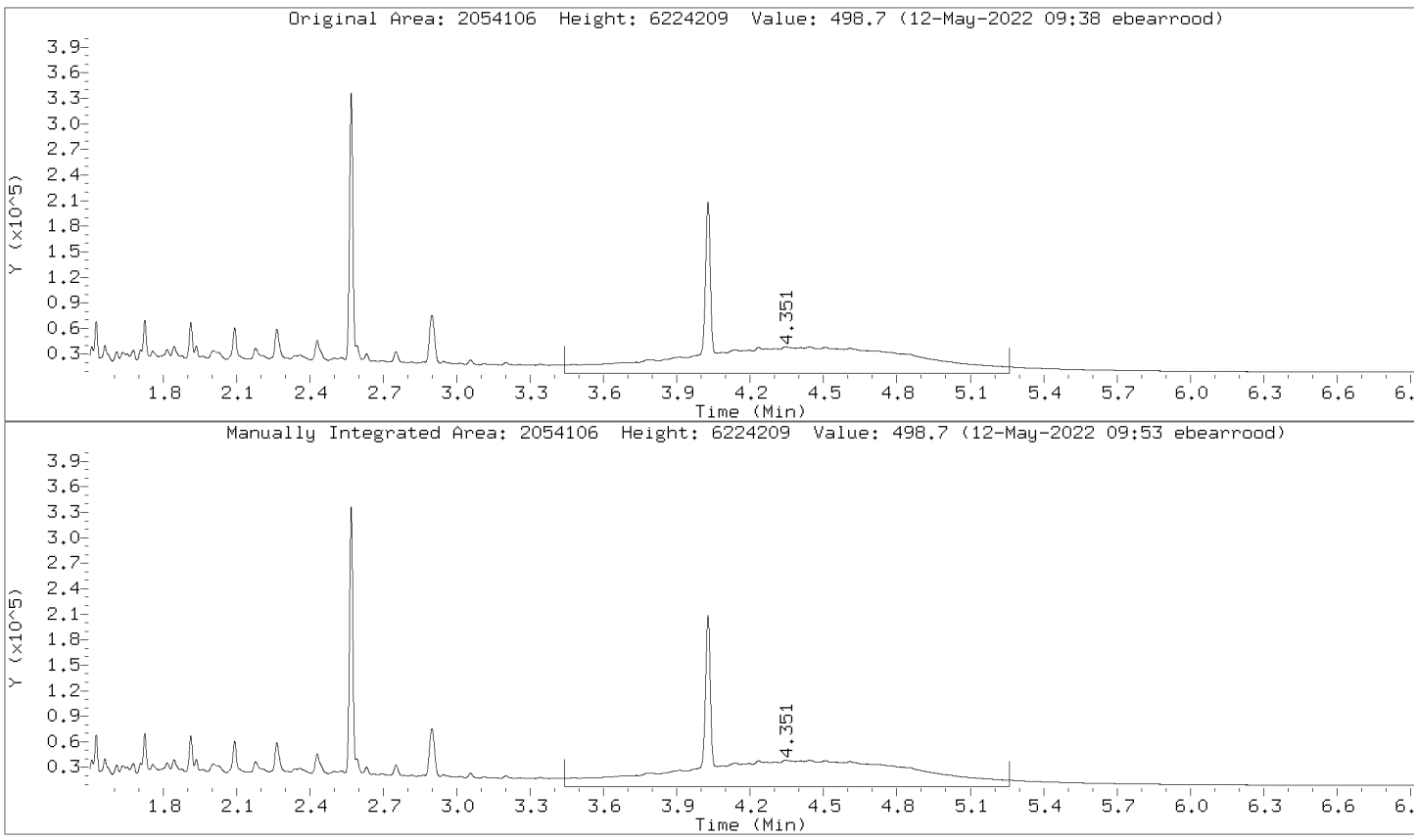
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000040.D
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



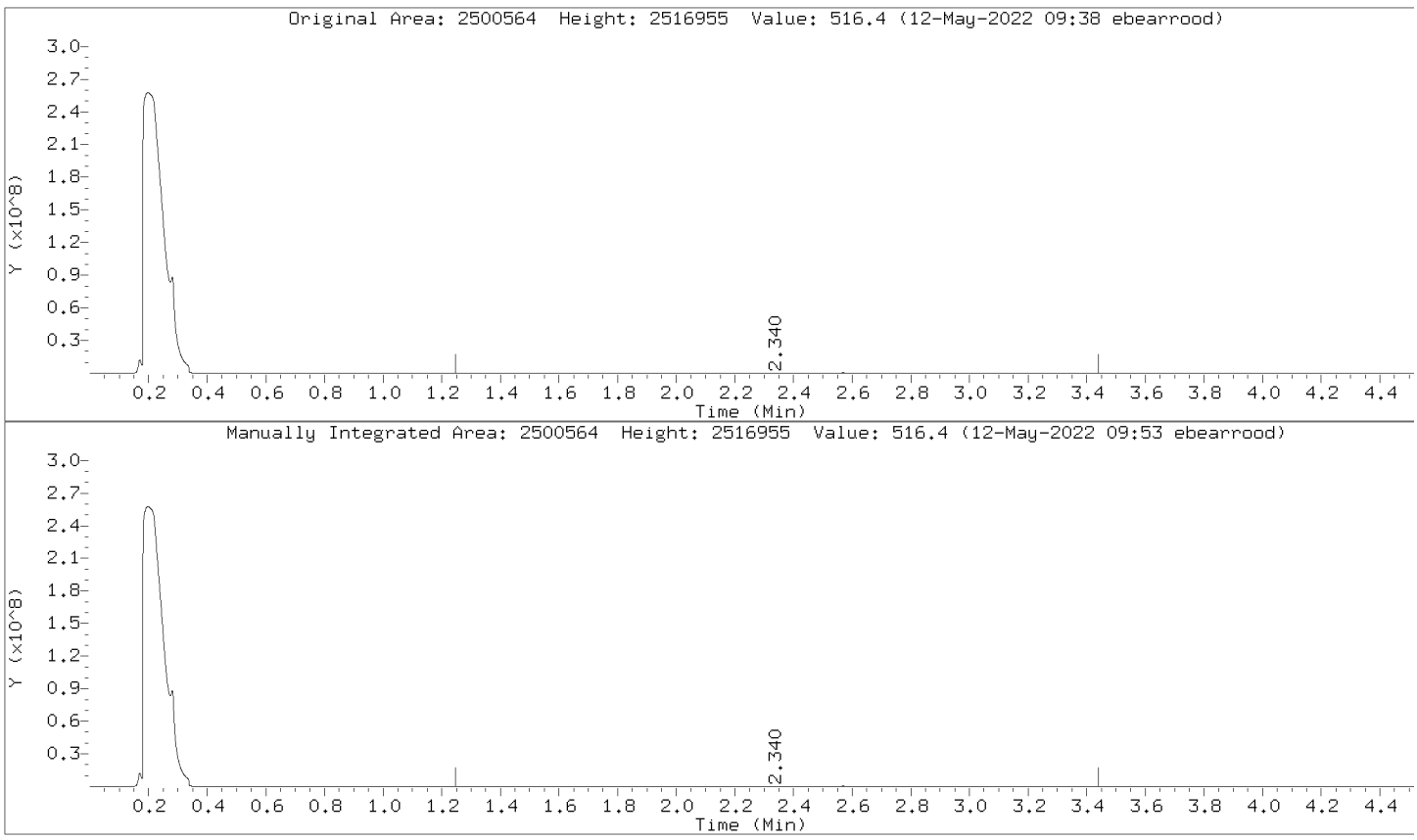
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000040.D
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



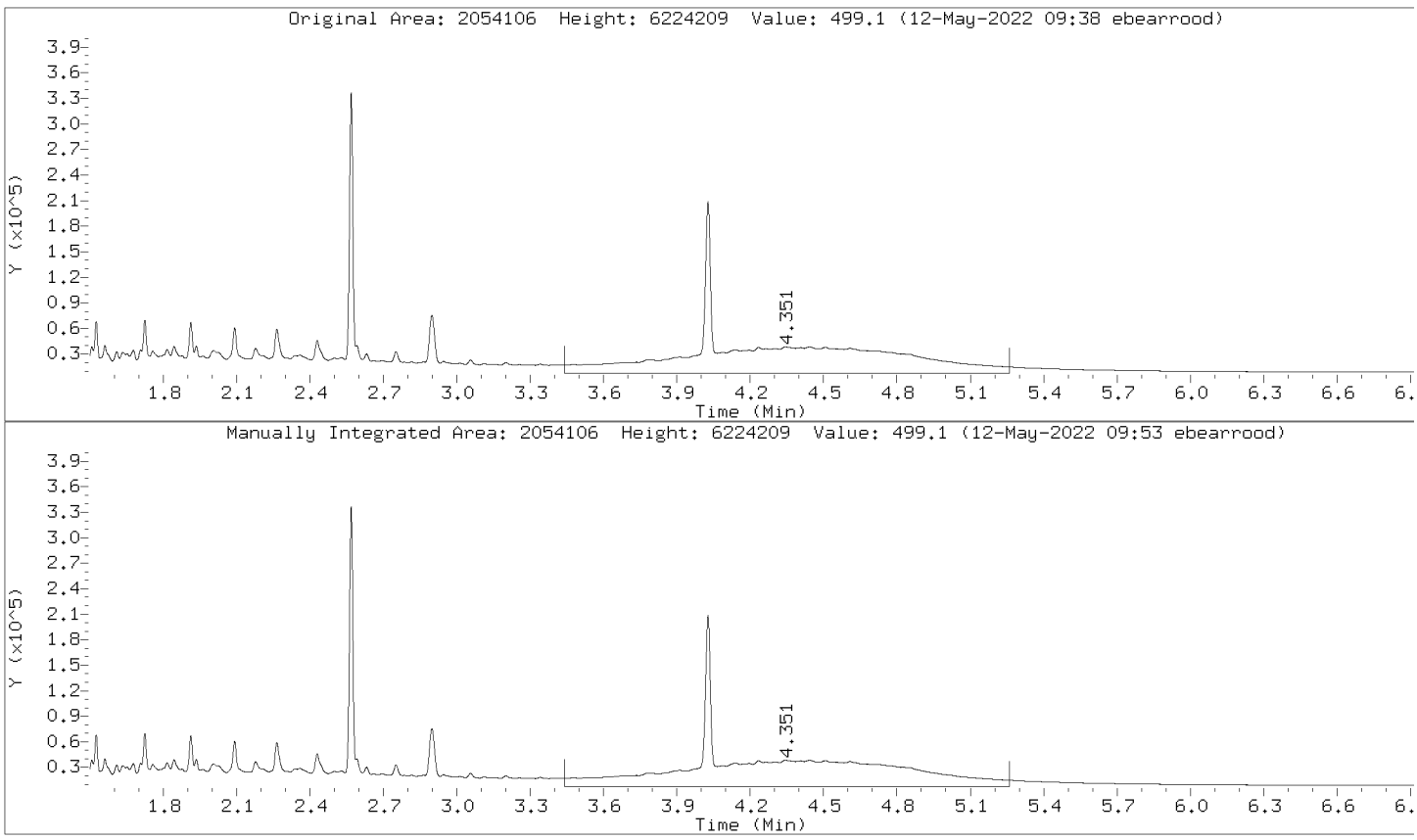
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000040.D
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



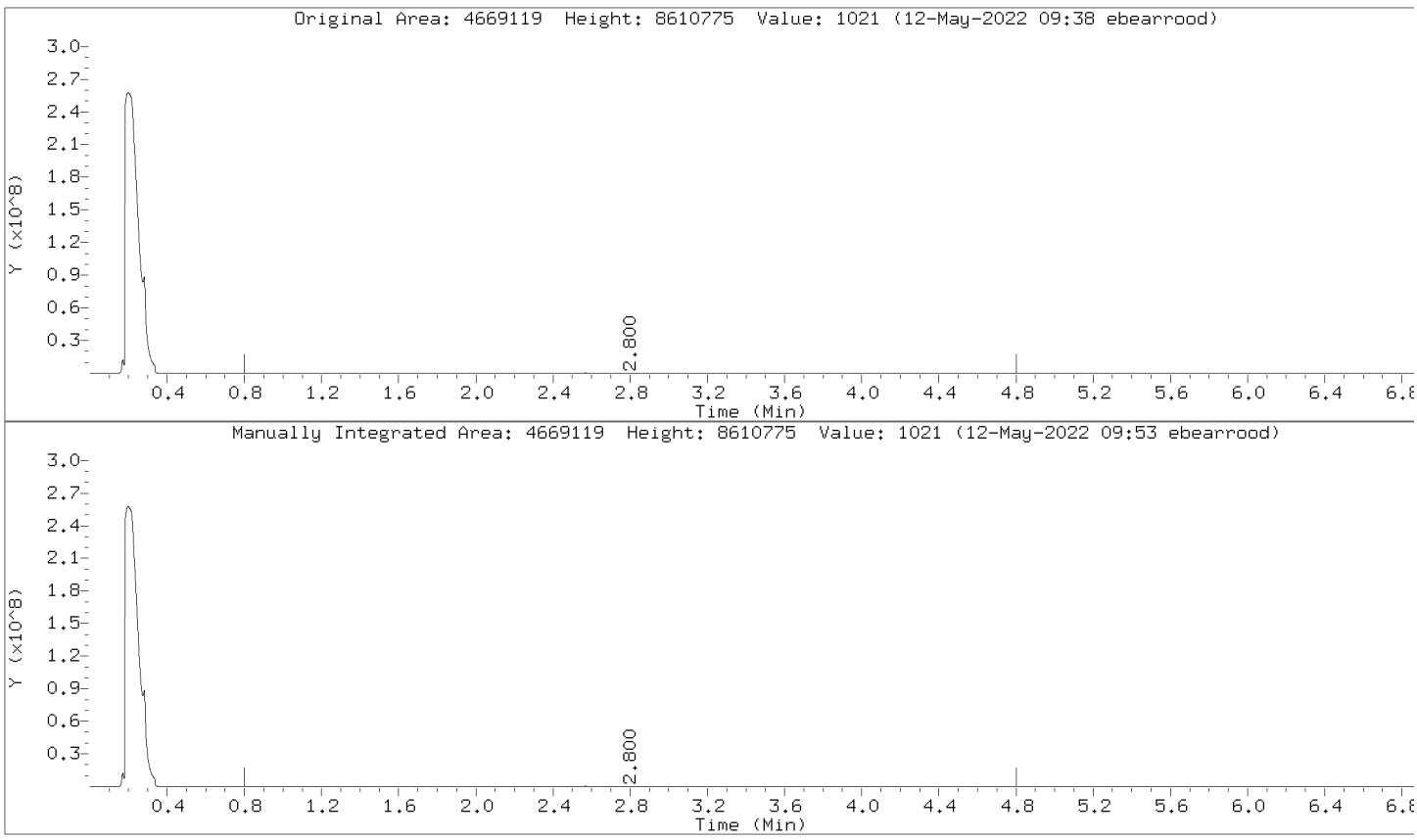
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000040.D
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



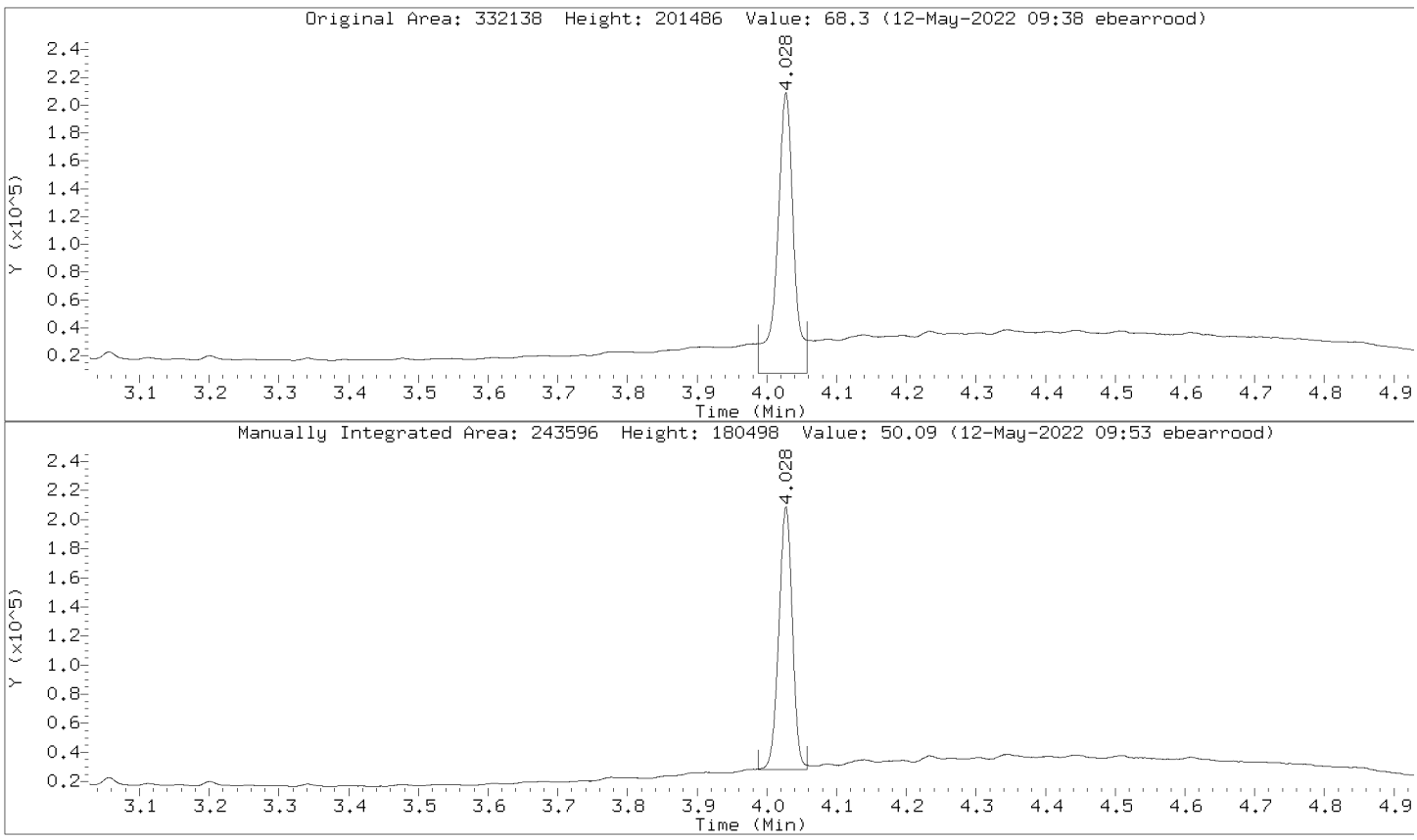
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000040.D
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: C10-C36 Review Code: RNG
CAS Number:



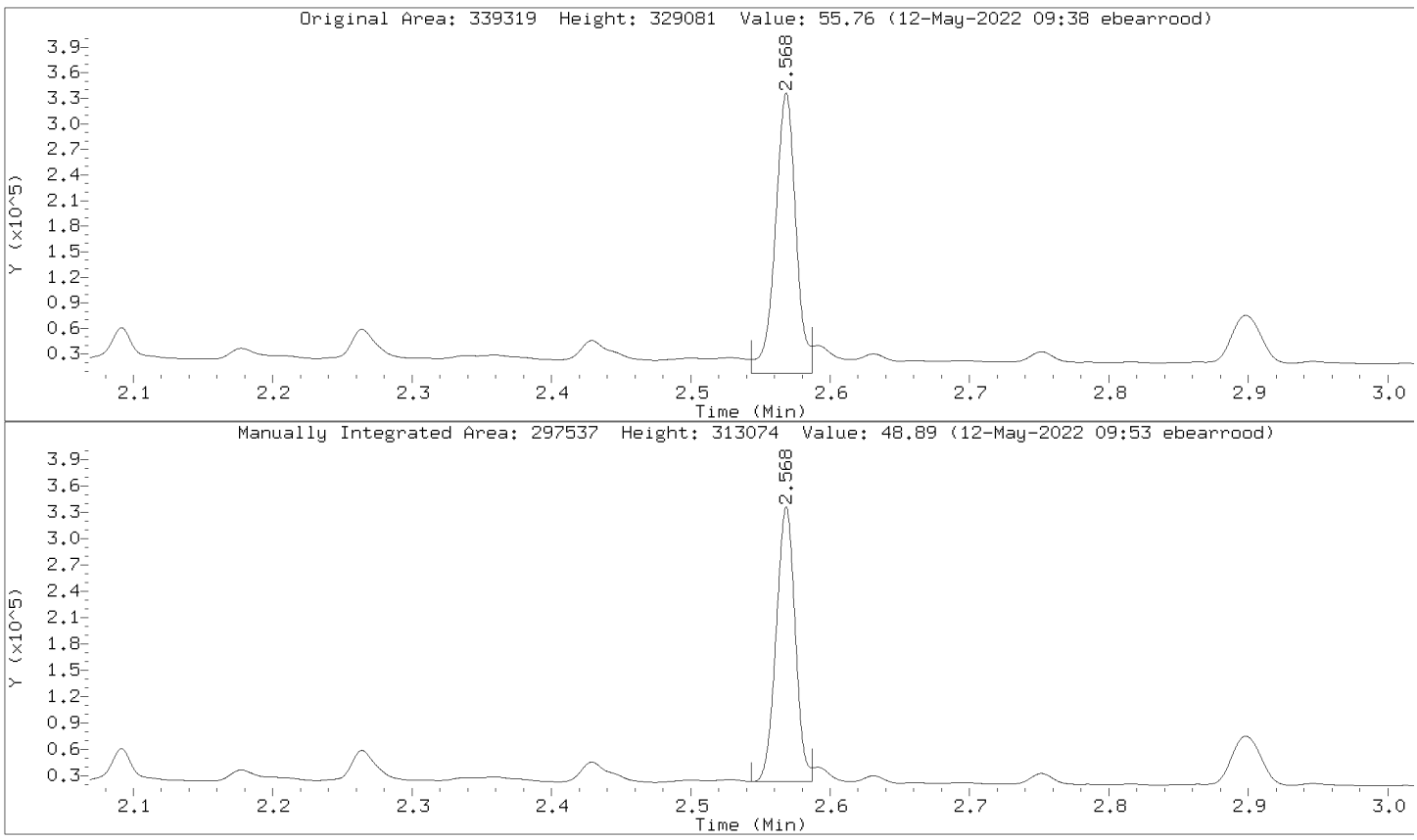
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000040.D
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000040.D
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1709515	1709515
DRO by AK 102	2959603	2959603
TPH-DRO (C10-C28)	3386239	3386239
Motor Oil Range (C24-C36)	1786895	1786895
Diesel Fuel Range	2500564	2500564
Motor Oil Range	2054106	2054106
Diesel Fuel Range SG	2500564	2500564
Motor Oil Range SG	2054106	2054106
C10-C36	4669119	4669119
n-Triacontane (S)	332138	243596
o-Terphenyl (S)	339319	297537

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000047.D
Lab Smp Id: DMO-CCV,363721:2 Client Smp ID: DMO-CCV,363721:2
Inj Date : 11-MAY-2022 22:03
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-ccv,363721:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

			AMOUNTS			
				CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE
S 1 DRO by AK 102					CAS #:	
0.800	- 3.385		2974085	500.000	517	(M) RNG
$ 2 o-Terphenyl (S)					CAS #:	
2.568	2.568	0.000	300257	50.0000	49.3	(M) BA
$ 3 n-Triacontane (S)					CAS #:	
4.028	4.028	0.000	246534	50.0000	50.7	(M) BA
S 4 Residual Range Organics AK103					CAS #:	
3.386	- 4.800		1693388	500.000	499	(M) RNG
S 5 TPH-DRO (C10-C28)					CAS #:	
0.800	- 3.940		3399339	500.000	515	(M) RNG
S 6 Motor Oil Range (C24-C36)					CAS #:	
3.250	- 4.800		1772548	500.000	500	(M) RNG
S 7 C10-C36					CAS #:	
0.800	- 4.800		4667473	1000.00	1020	(M) RNG
S 8 Diesel Fuel Range					CAS #:	
1.240	- 3.440		2512193	500.000	519	(M) RNG
S 9 Diesel Fuel Range SG					CAS #:	
1.240	- 3.440		2512193	500.000	519	(M) RNG
S 10 Motor Oil Range					CAS #:	
3.441	- 5.260		2031935	500.000	493	(M) RNG
S 11 Motor Oil Range SG					CAS #:	
3.441	- 5.260		2031935	500.000	493	(M) RNG

QC Flag Legend

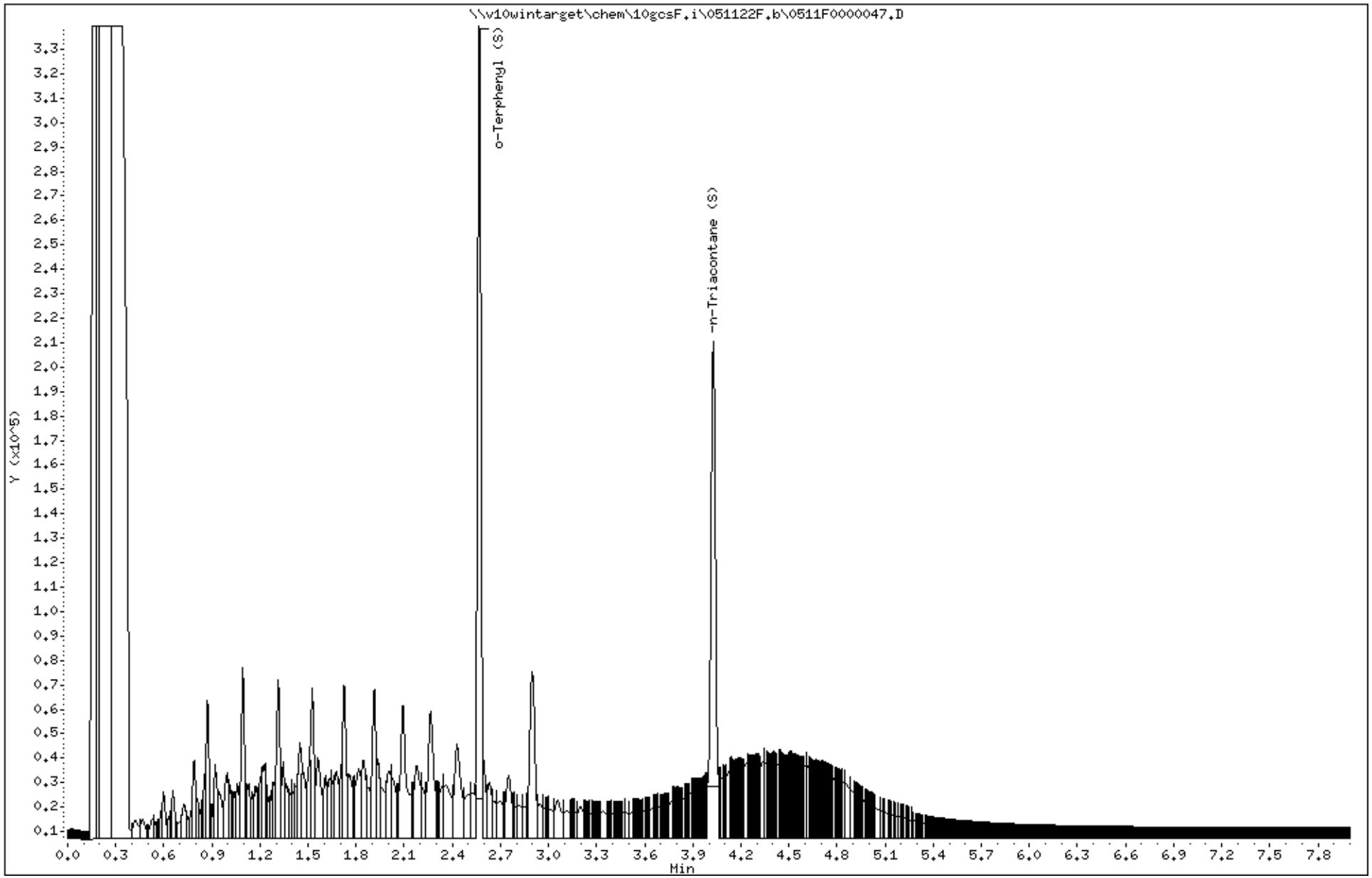
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000047.D
Date : 11-MAY-2022 22:03
Client ID: DMO-CCV,363721:2
Sample Info: DMO-CCV,363721:2

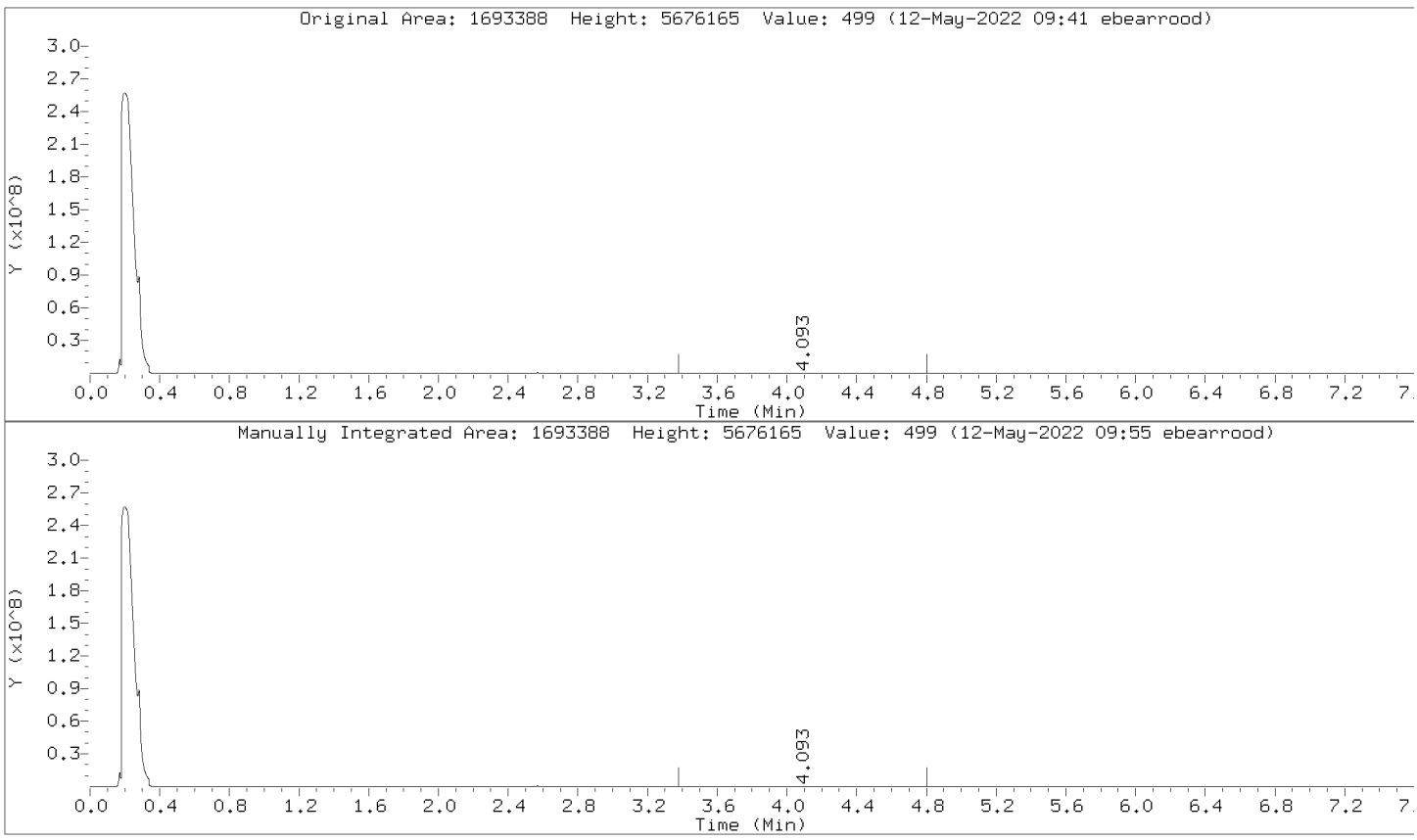
Instrument: 10gcsF.i
Operator: EB3
Column phase: DB-5-US21390001
Column diameter: 0.32



247 of 1171
222 of 686
10606561

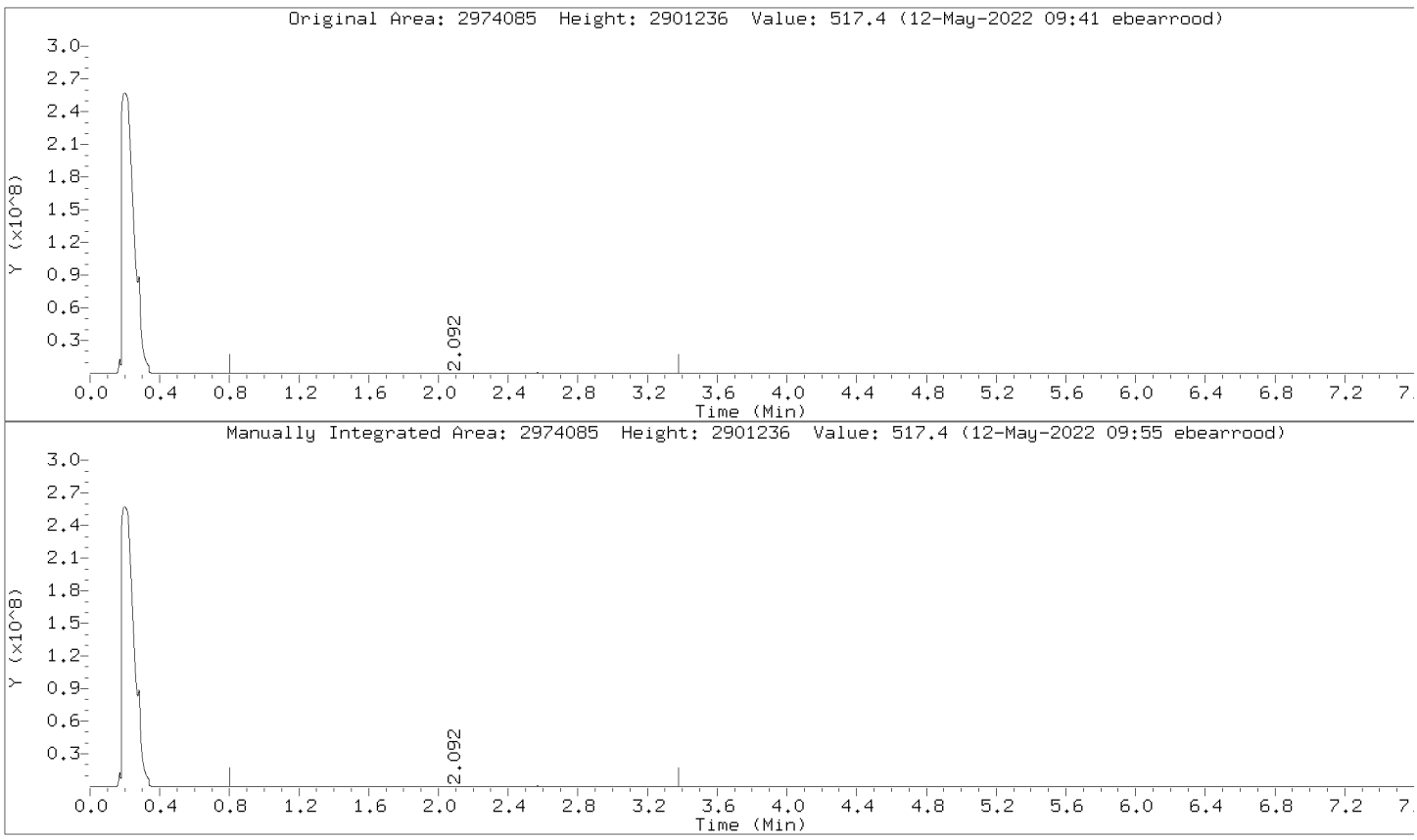
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000047.D
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



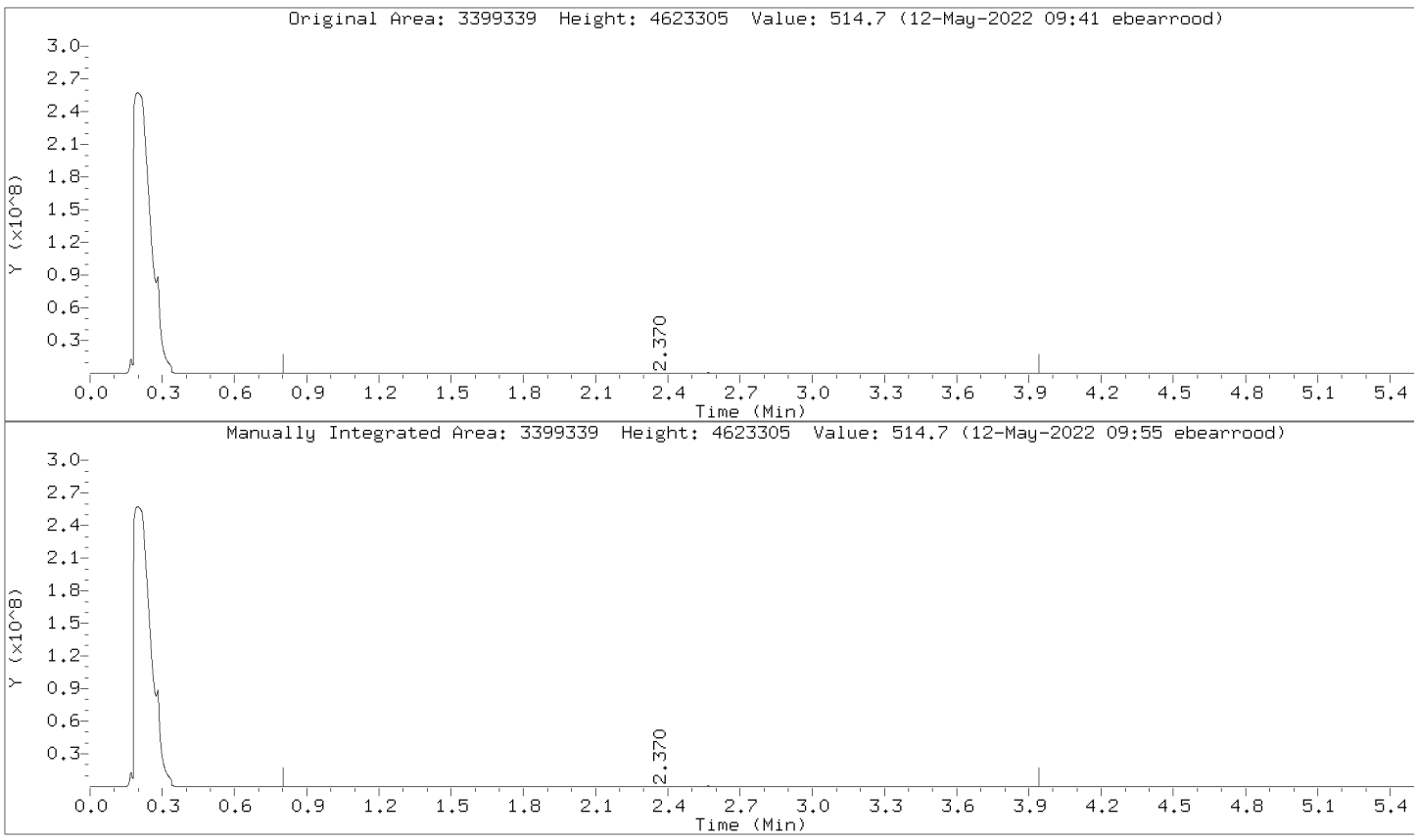
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000047.D
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



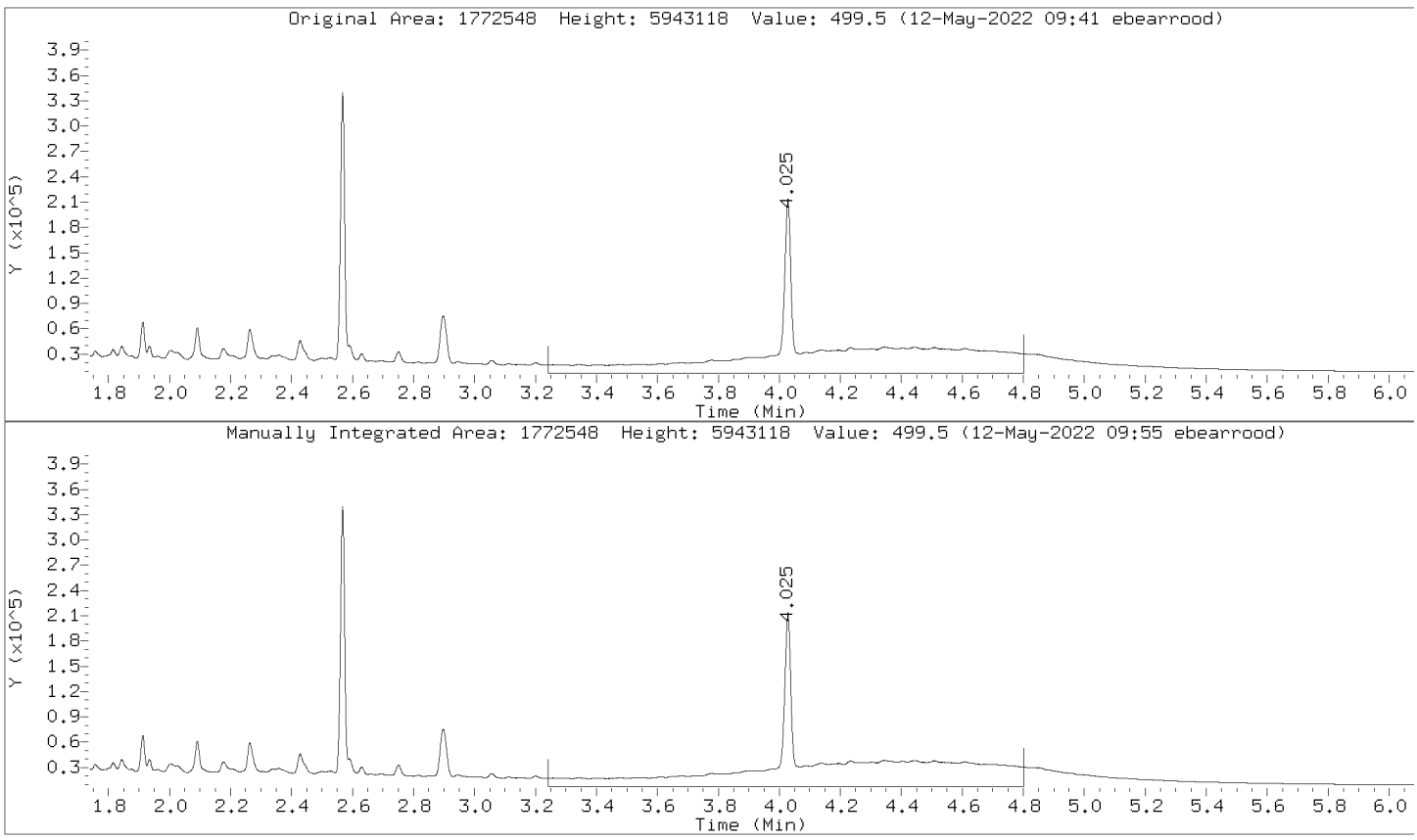
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000047.D
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



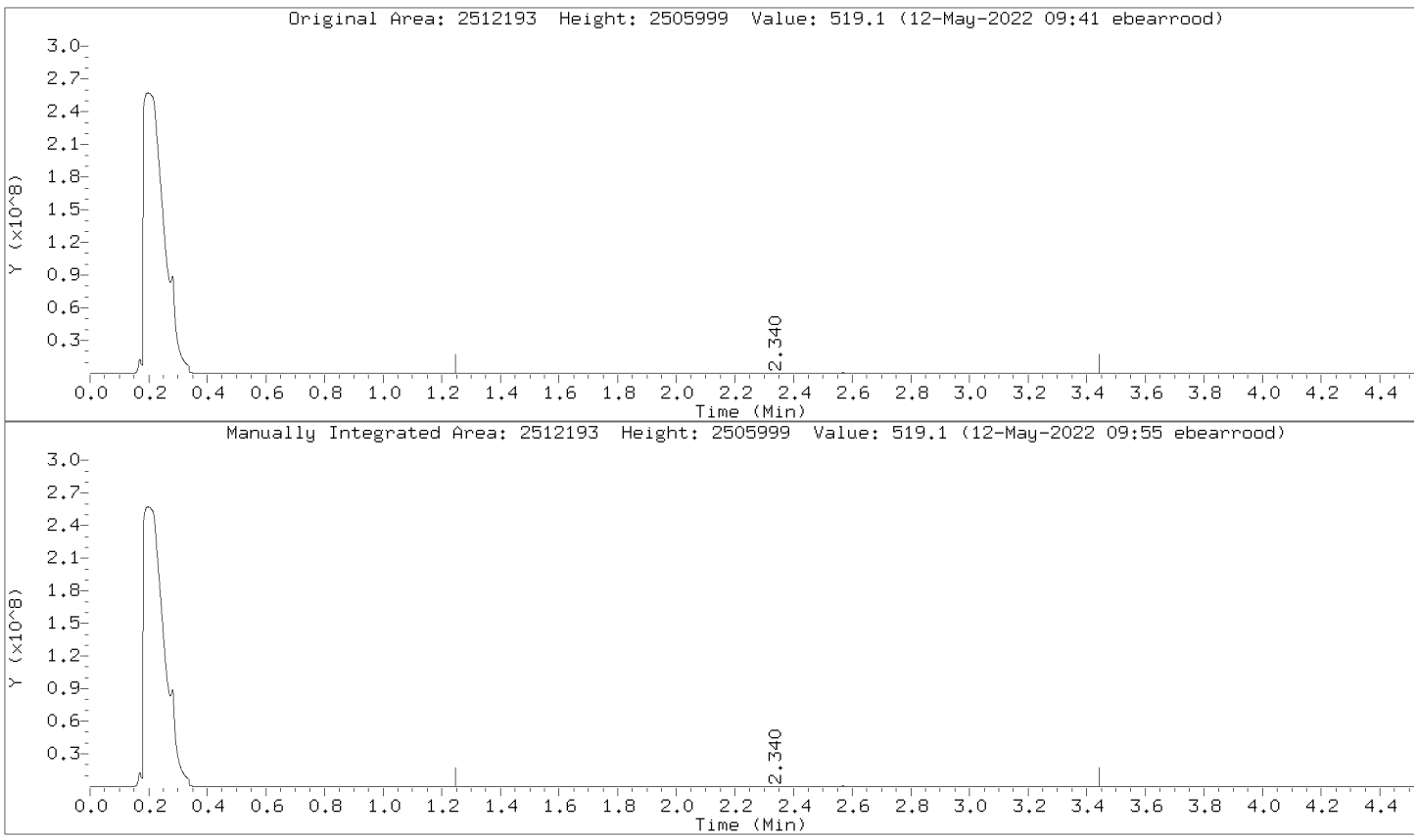
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000047.D
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000047.D
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



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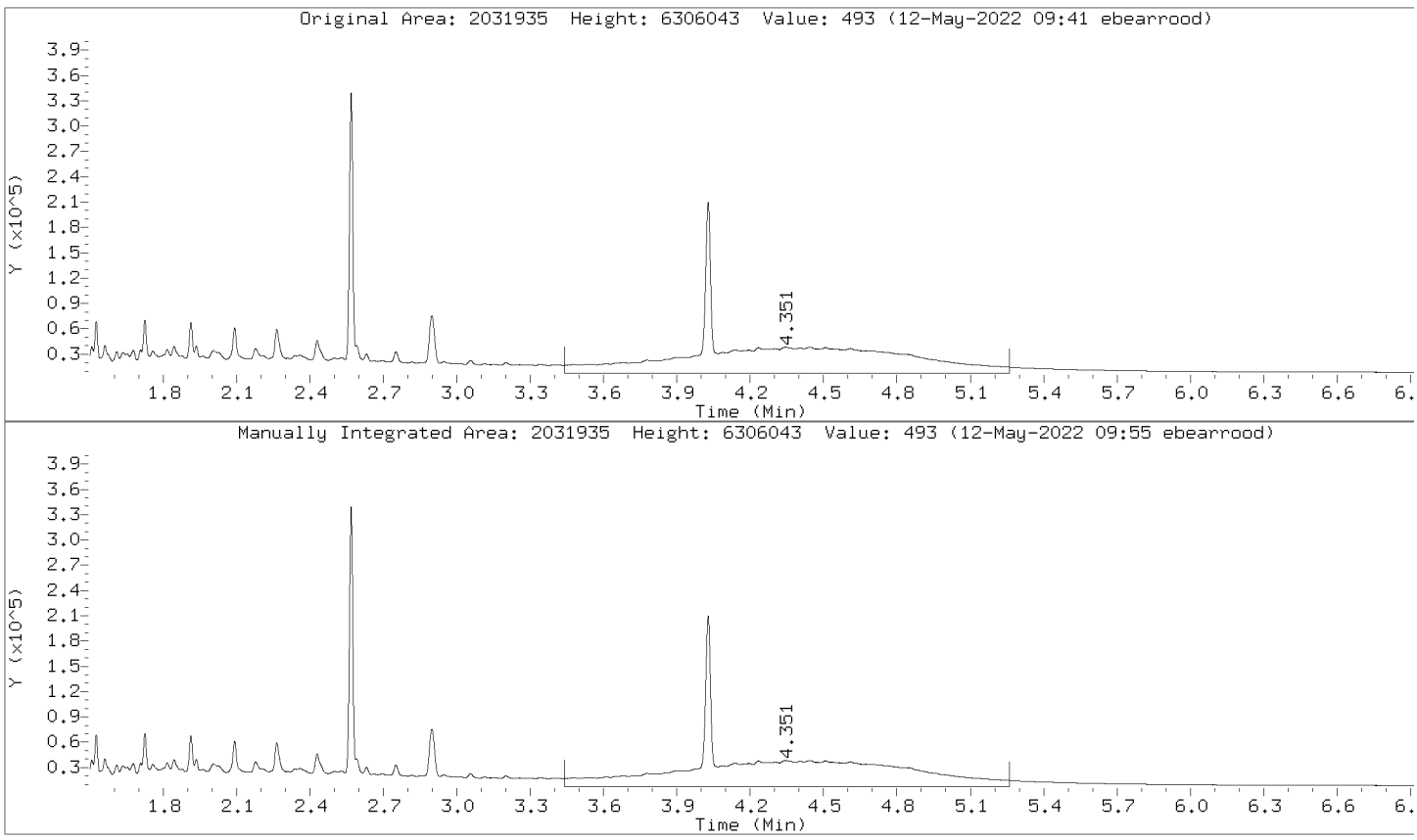
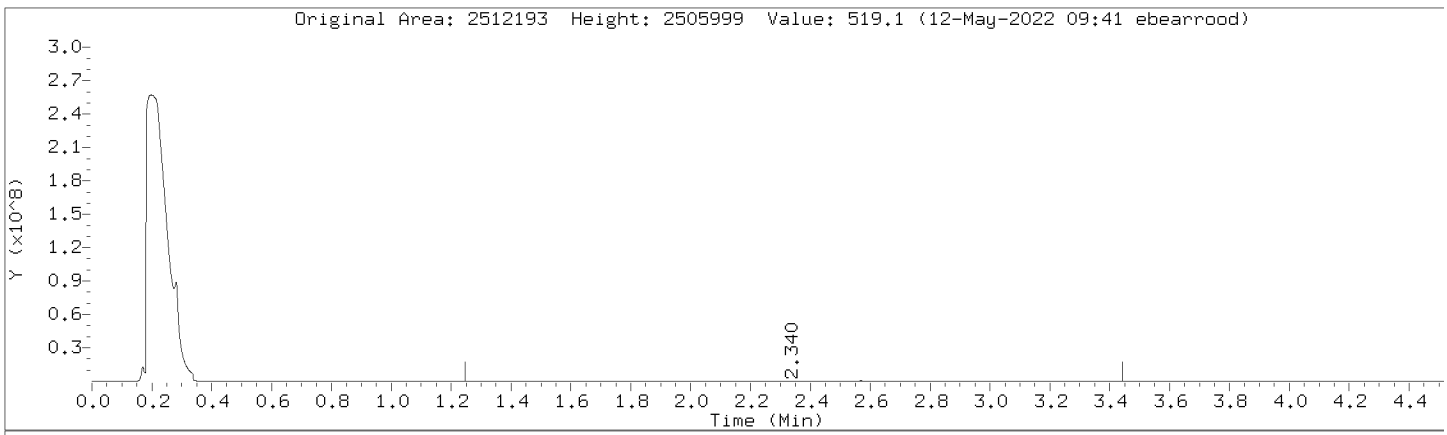
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

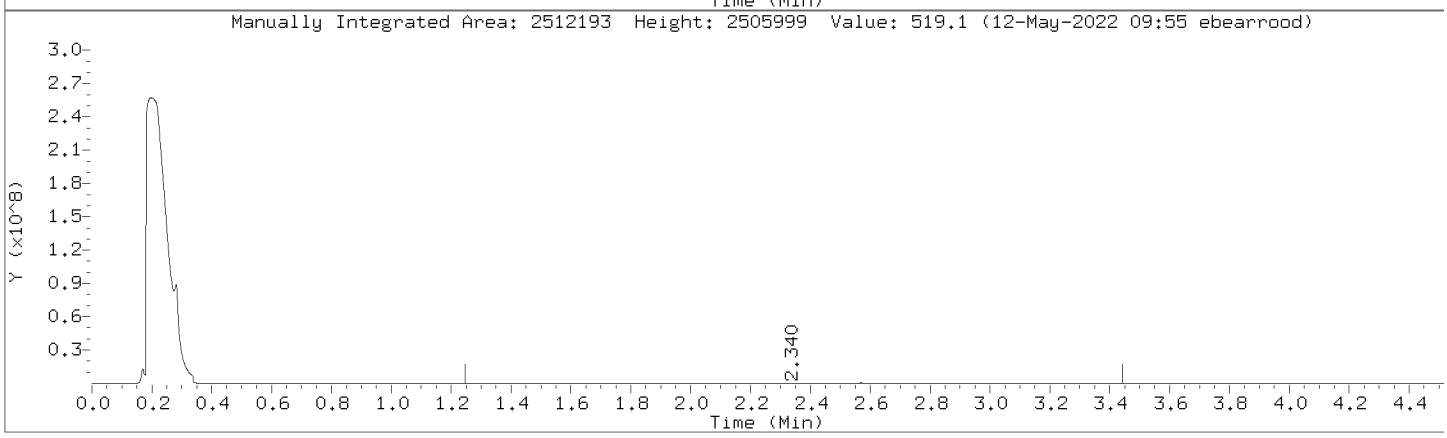
Compound: Motor Oil Range Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000047.D
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:





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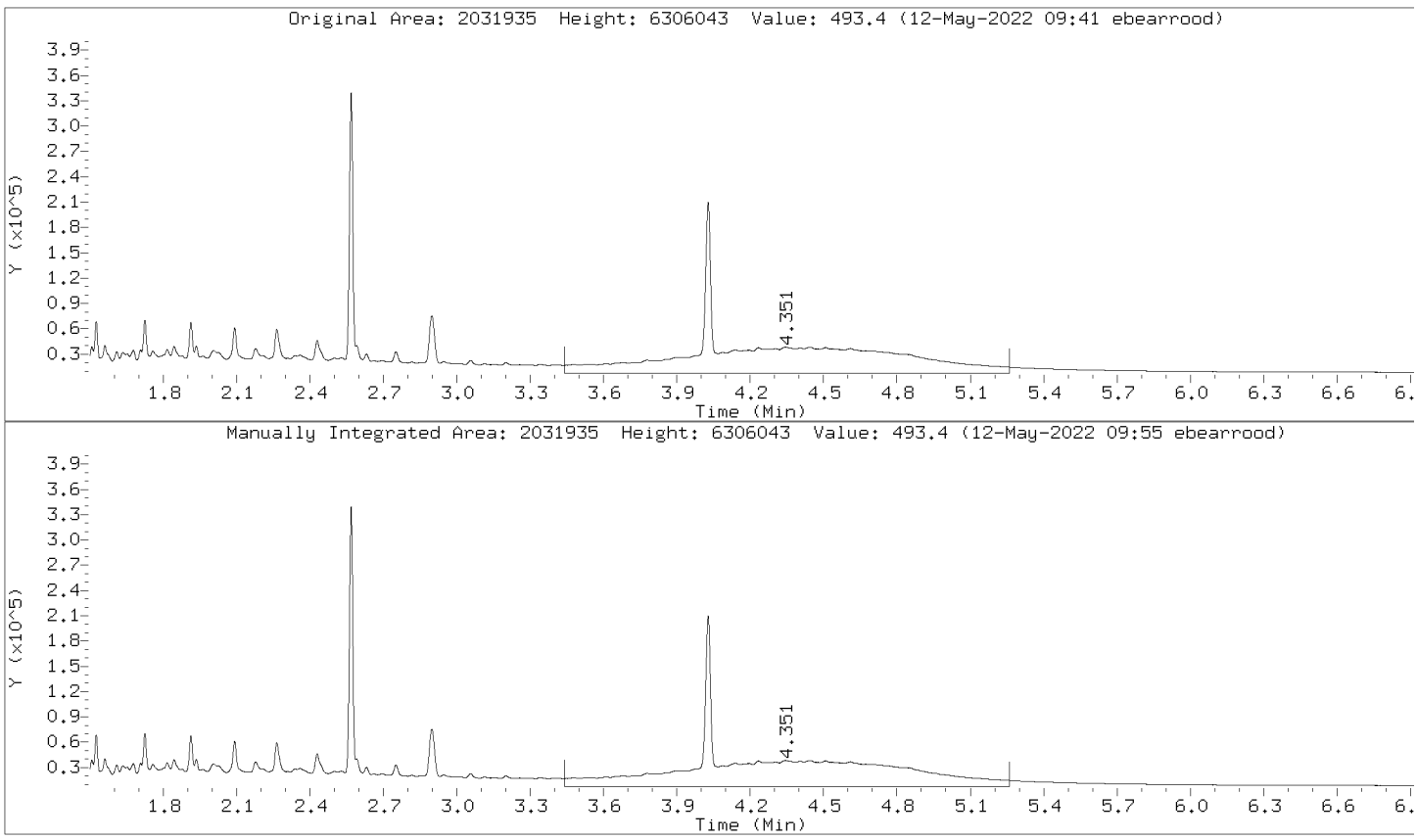
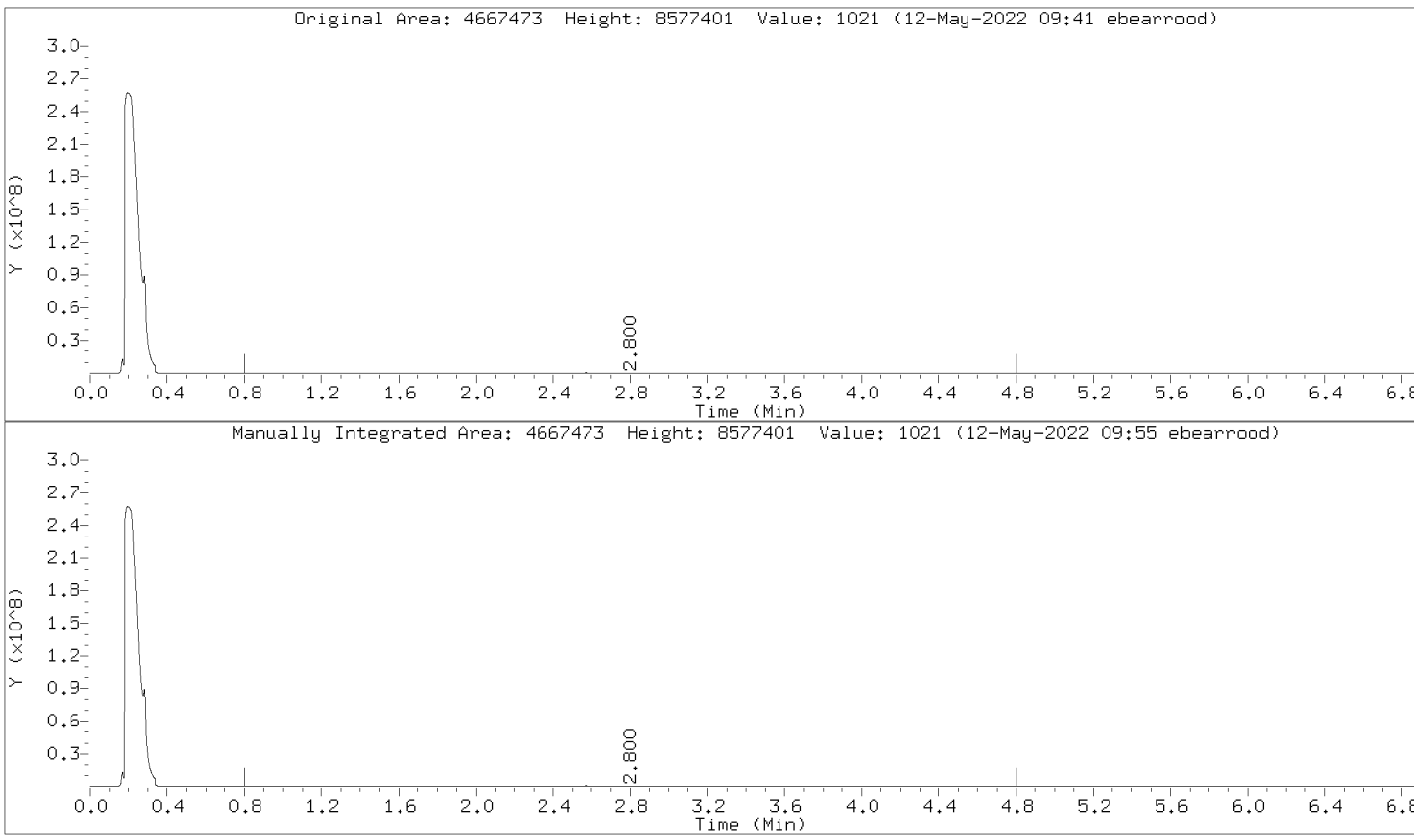
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



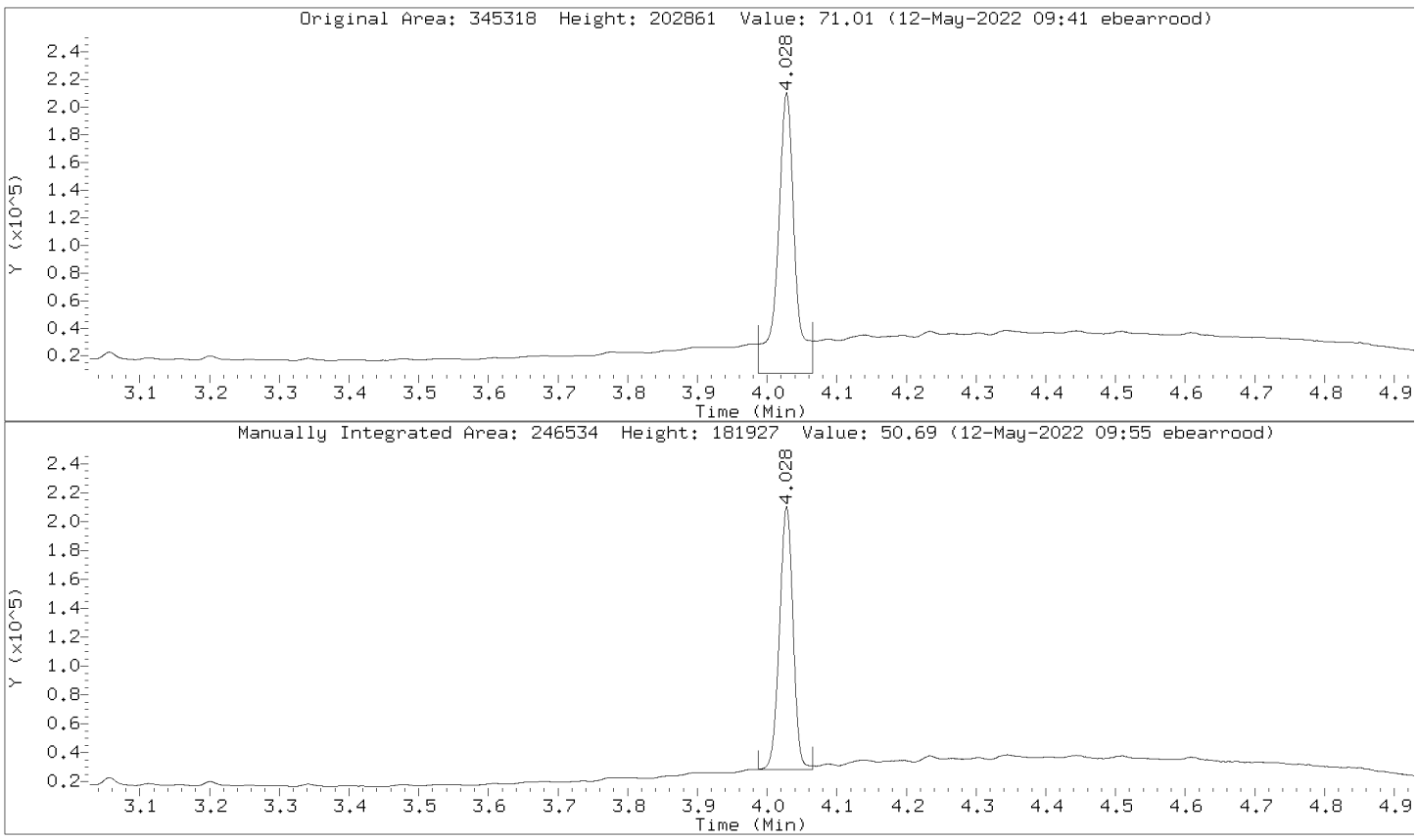
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000047.D
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: C10-C36 Review Code: RNG
CAS Number:



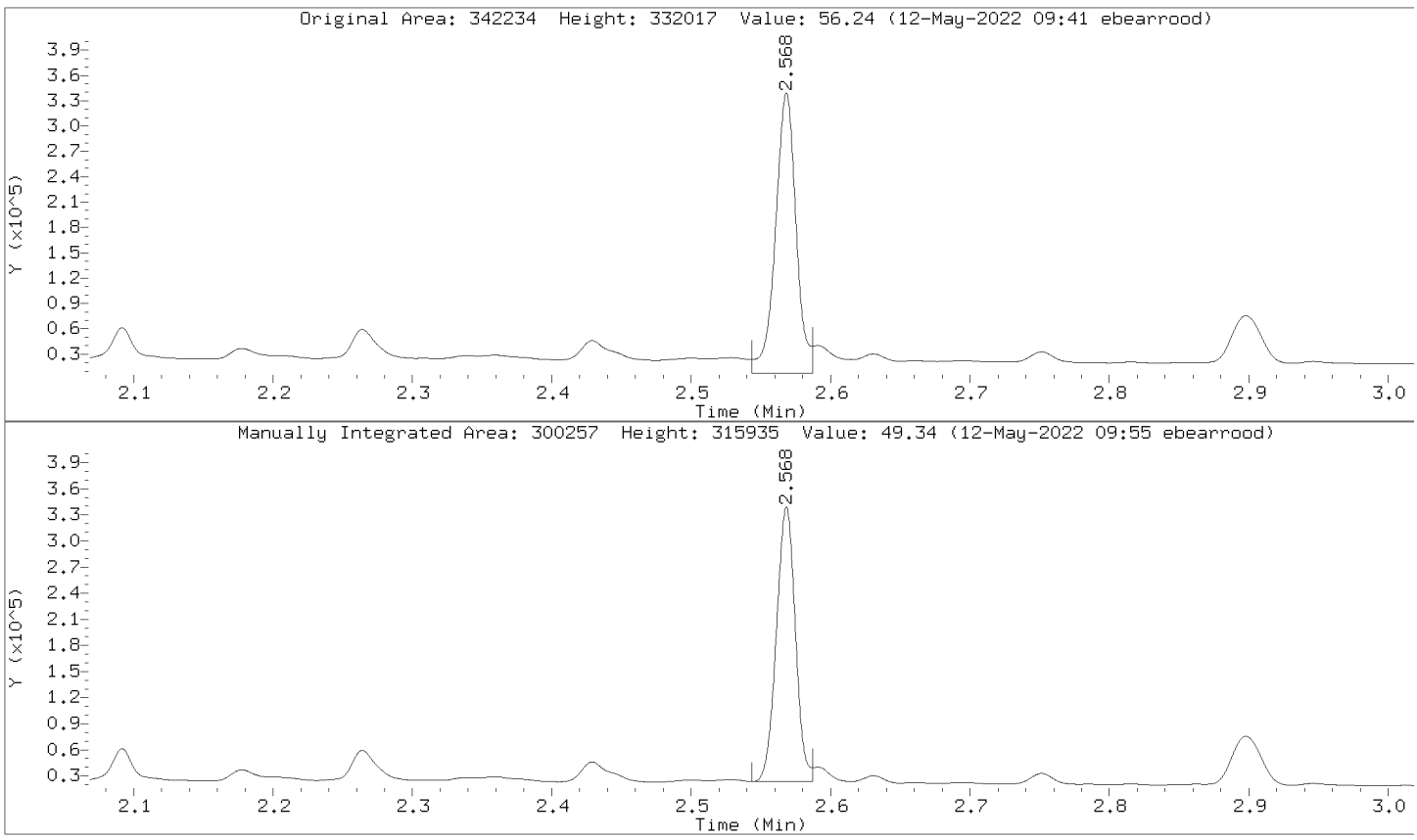
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000047.D
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000047.D
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1693388	1693388
DRO by AK 102	2974085	2974085
TPH-DRO (C10-C28)	3399339	3399339
Motor Oil Range (C24-C36)	1772548	1772548
Diesel Fuel Range	2512193	2512193
Motor Oil Range	2031935	2031935
Diesel Fuel Range SG	2512193	2512193
Motor Oil Range SG	2031935	2031935
C10-C36	4667473	4667473
n-Triacontane (S)	345318	246534
o-Terphenyl (S)	342234	300257

SAMPLE NO.

BLANK

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received:
Matrix: Water
SDG No.: 10606561
Date Extracted: 05/03/2022 18:24
Lab Sample ID: 4310138
Date Analyzed: 05/11/2022 20:55
Lab File ID: 051122F.B\0511F0000041.D
Initial wt/vol: 250 mL
Final wt/vol: 1 mL
Dilution: 1
Instrument: 10GCSF
Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/L	Q
68334-30-5	Diesel Fuel Range	ND	U
	Motor Oil Range	ND	U

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000041.D
Lab Smp Id: 4310138 Client Smp ID: MB
Inj Date : 11-MAY-2022 20:55
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 4310138
Misc Info : 39317
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 30 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: WATER
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf *Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Vo	250.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.568	2.568	0.000	240796	39.5679	158	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.026	4.028	-0.002	155717	32.0198	128	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		146496	8.19287	32.8	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		146496	8.66800	34.7	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		260183			(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		260183			(M)	RNG

QC Flag Legend

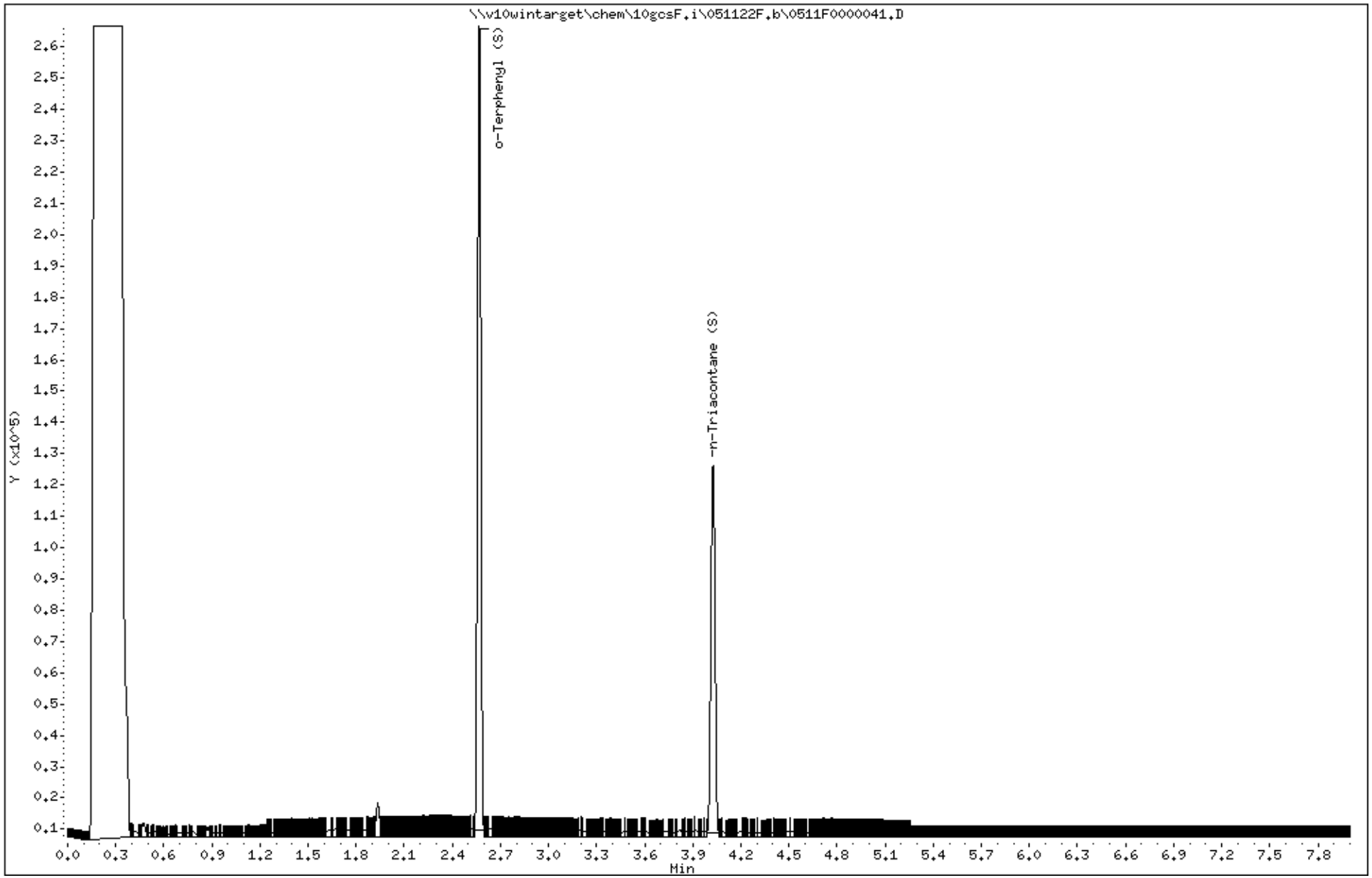
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000041.D
Date : 11-MAY-2022 20:55
Client ID: MB
Sample Info: 4310138
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32



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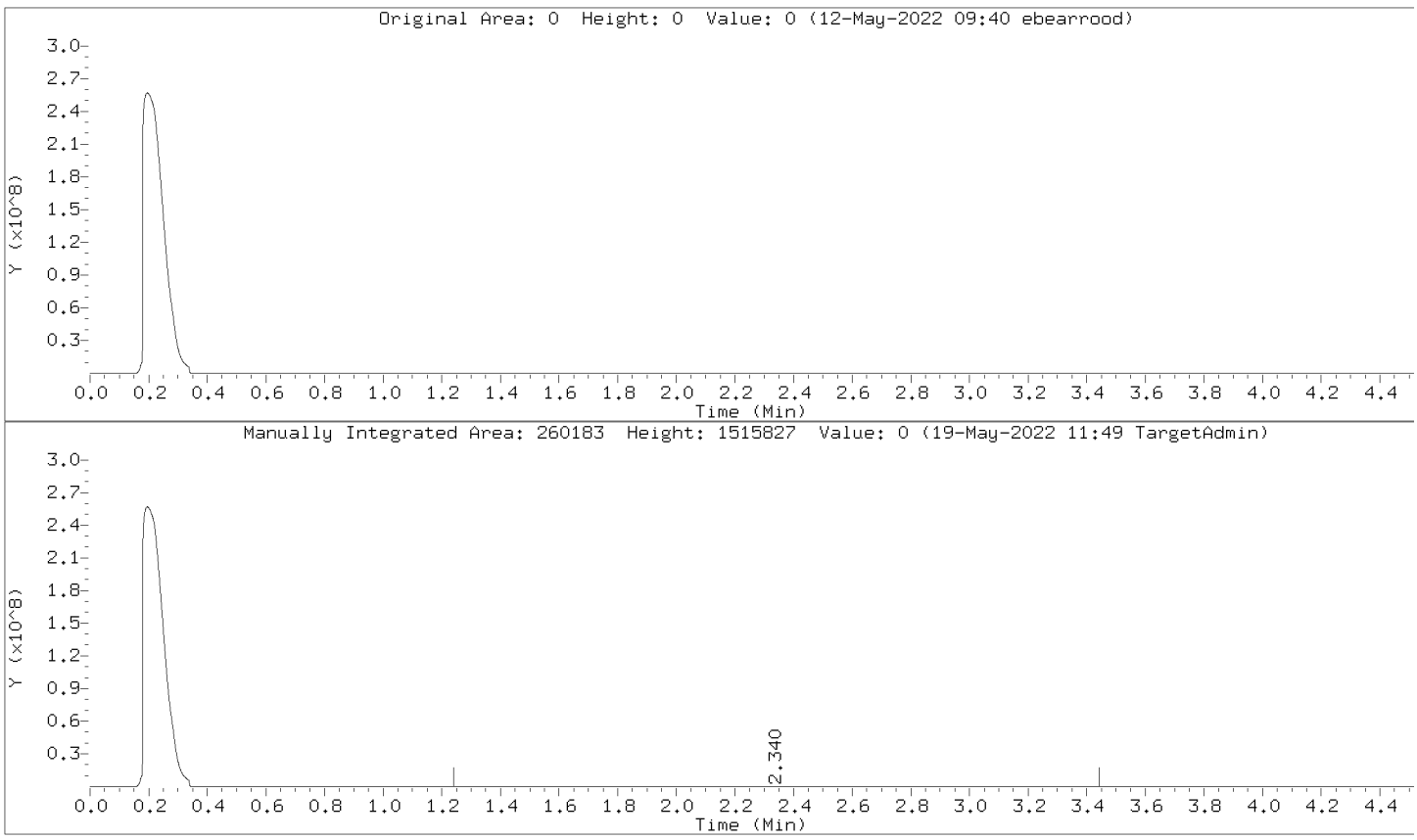
237 of 686
10606561

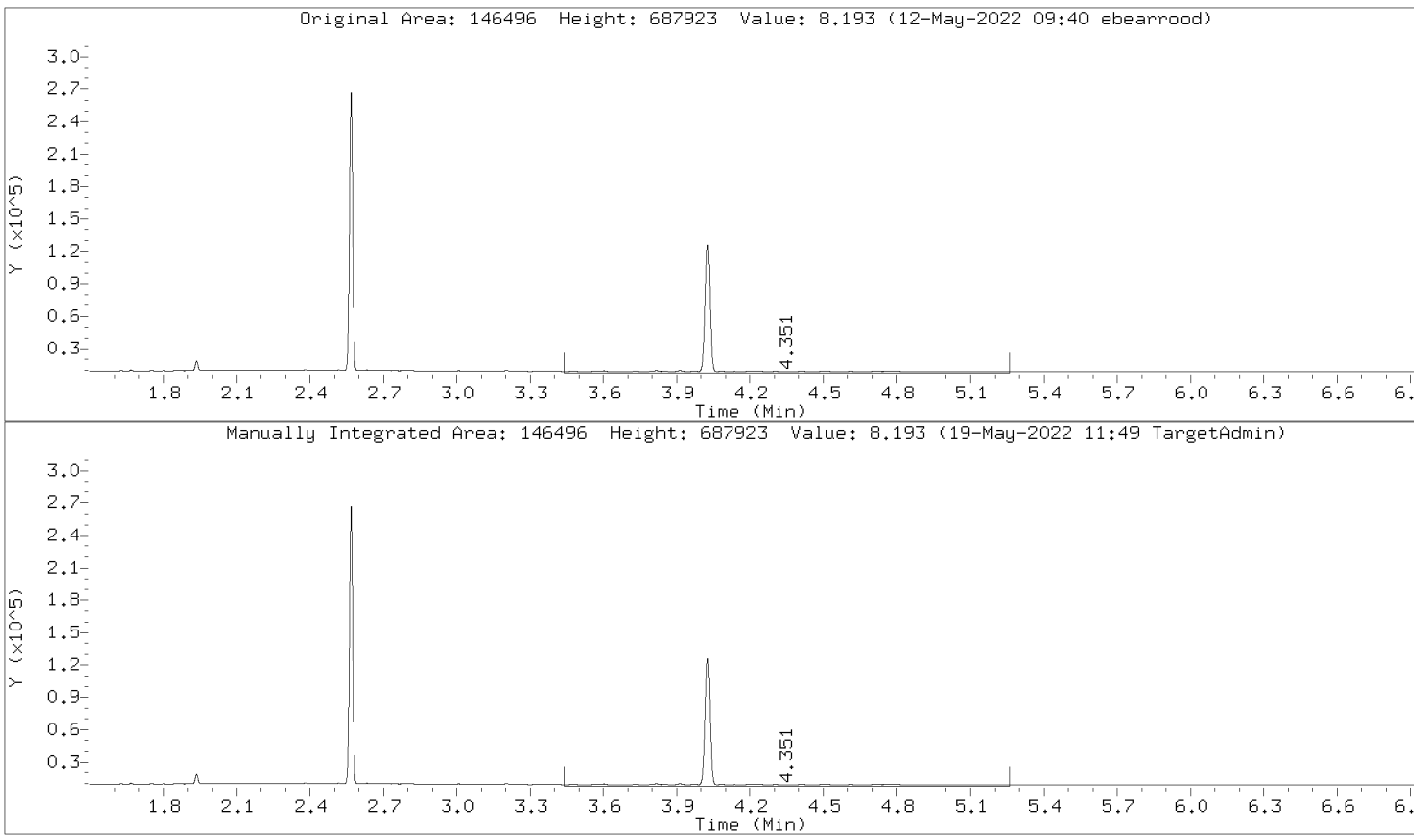
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000041.D
Injection Date: 11-MAY-2022 20:55
Instrument: 10gcsF.i
Lab Sample ID: 4310138

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



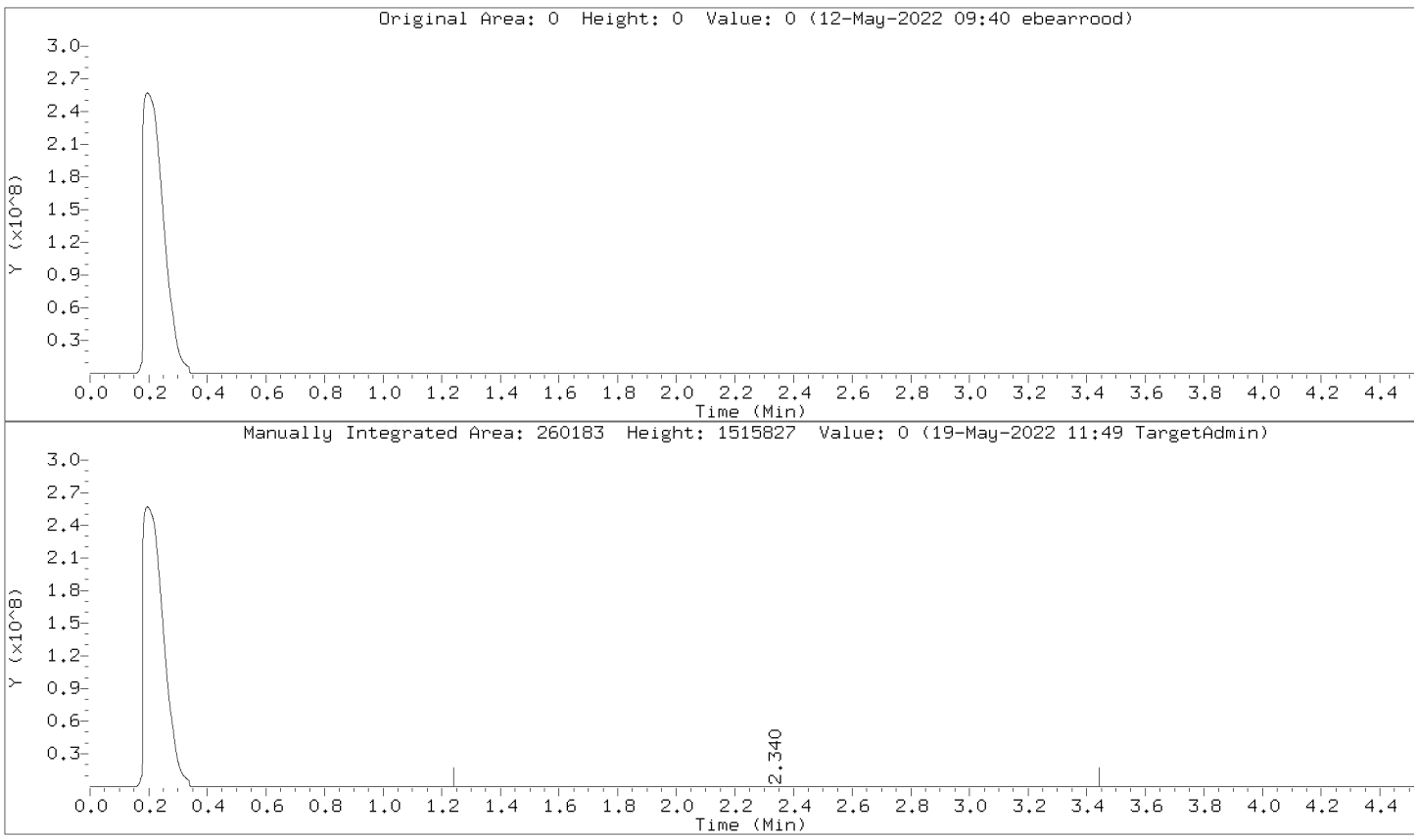
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000041.D
Injection Date: 11-MAY-2022 20:55
Instrument: 10gcsF.i
Lab Sample ID: 4310138

Compound: Motor Oil Range Review Code: RNG
CAS Number:



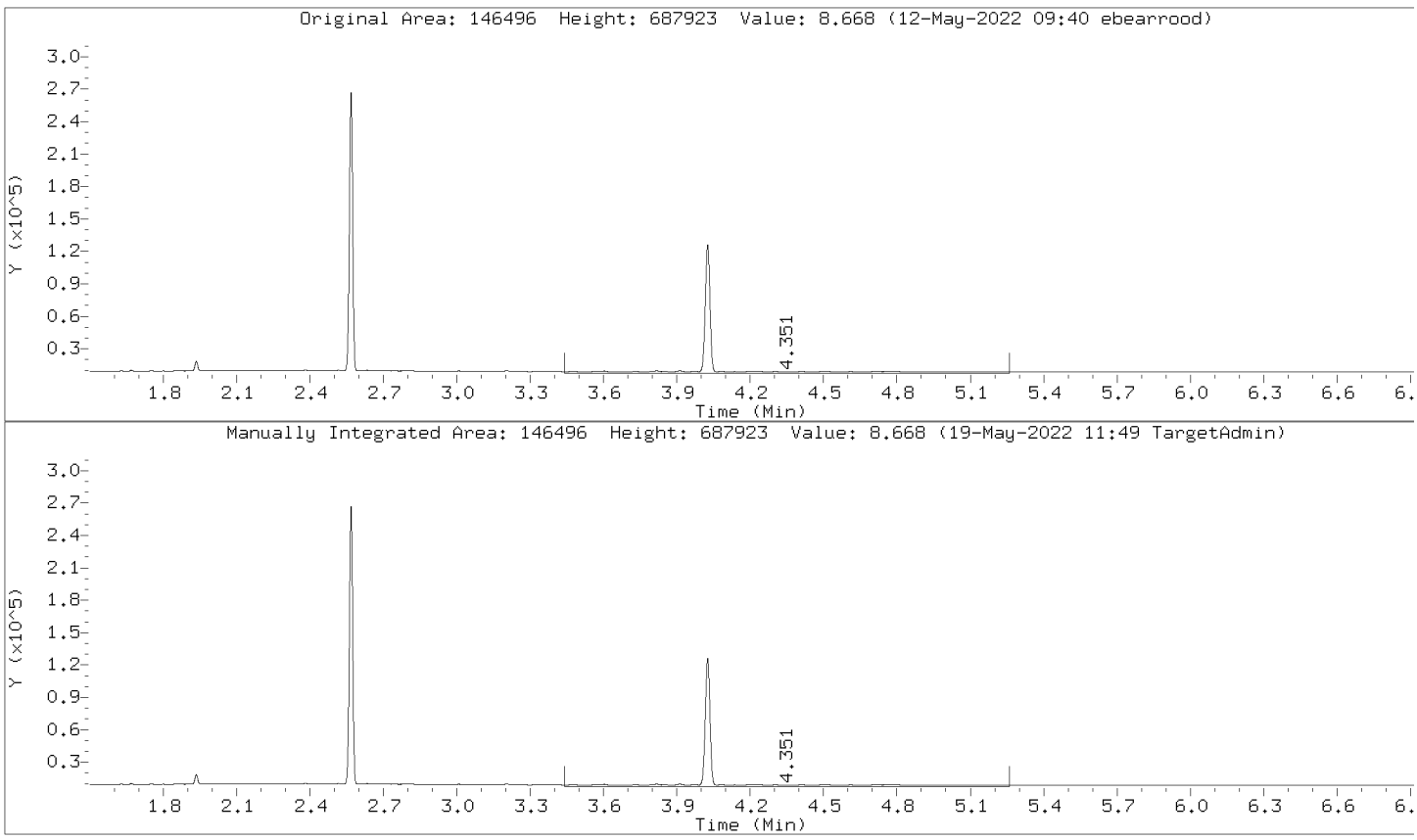
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000041.D
Injection Date: 11-MAY-2022 20:55
Instrument: 10gcsF.i
Lab Sample ID: 4310138

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



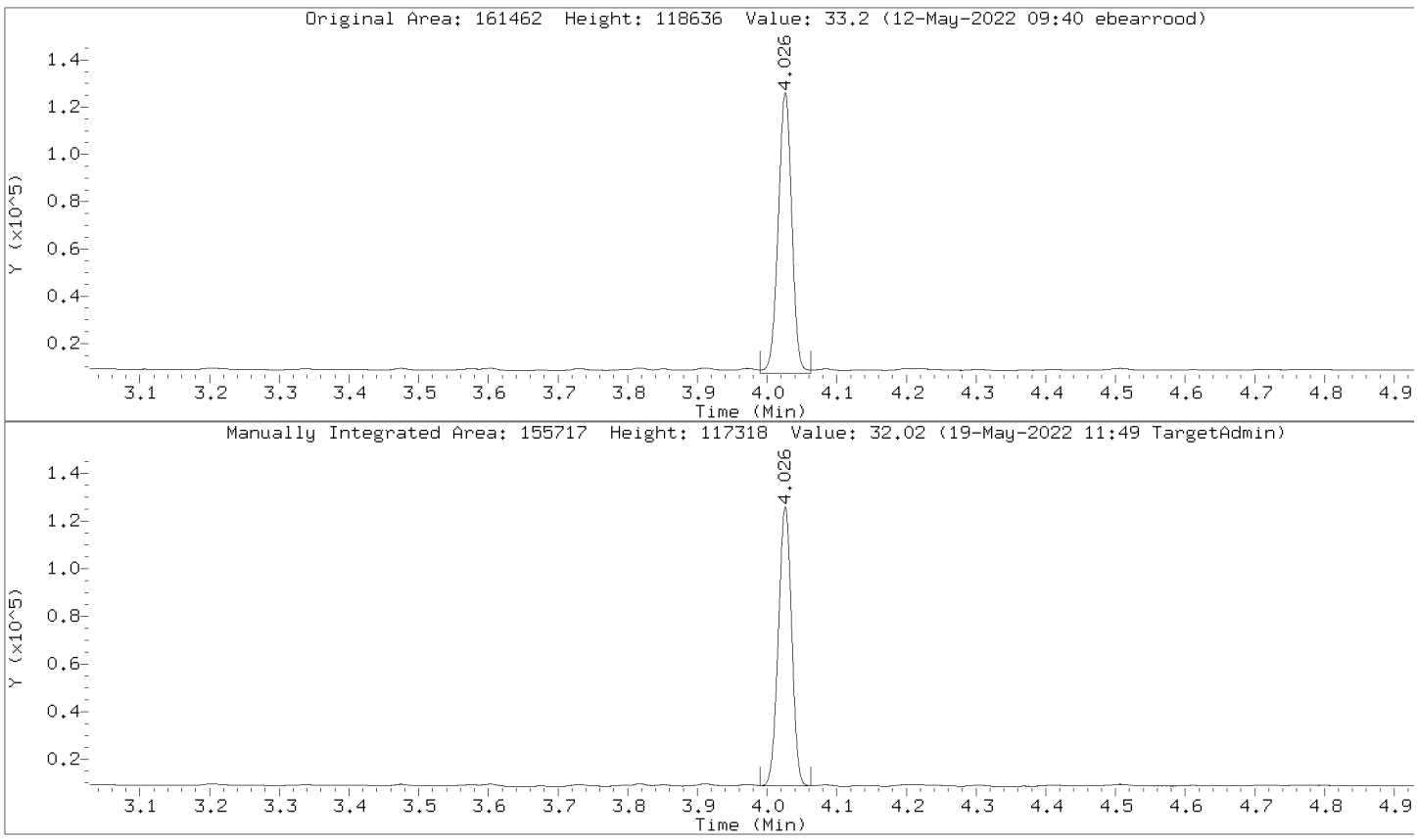
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000041.D
Injection Date: 11-MAY-2022 20:55
Instrument: 10gcsF.i
Lab Sample ID: 4310138

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



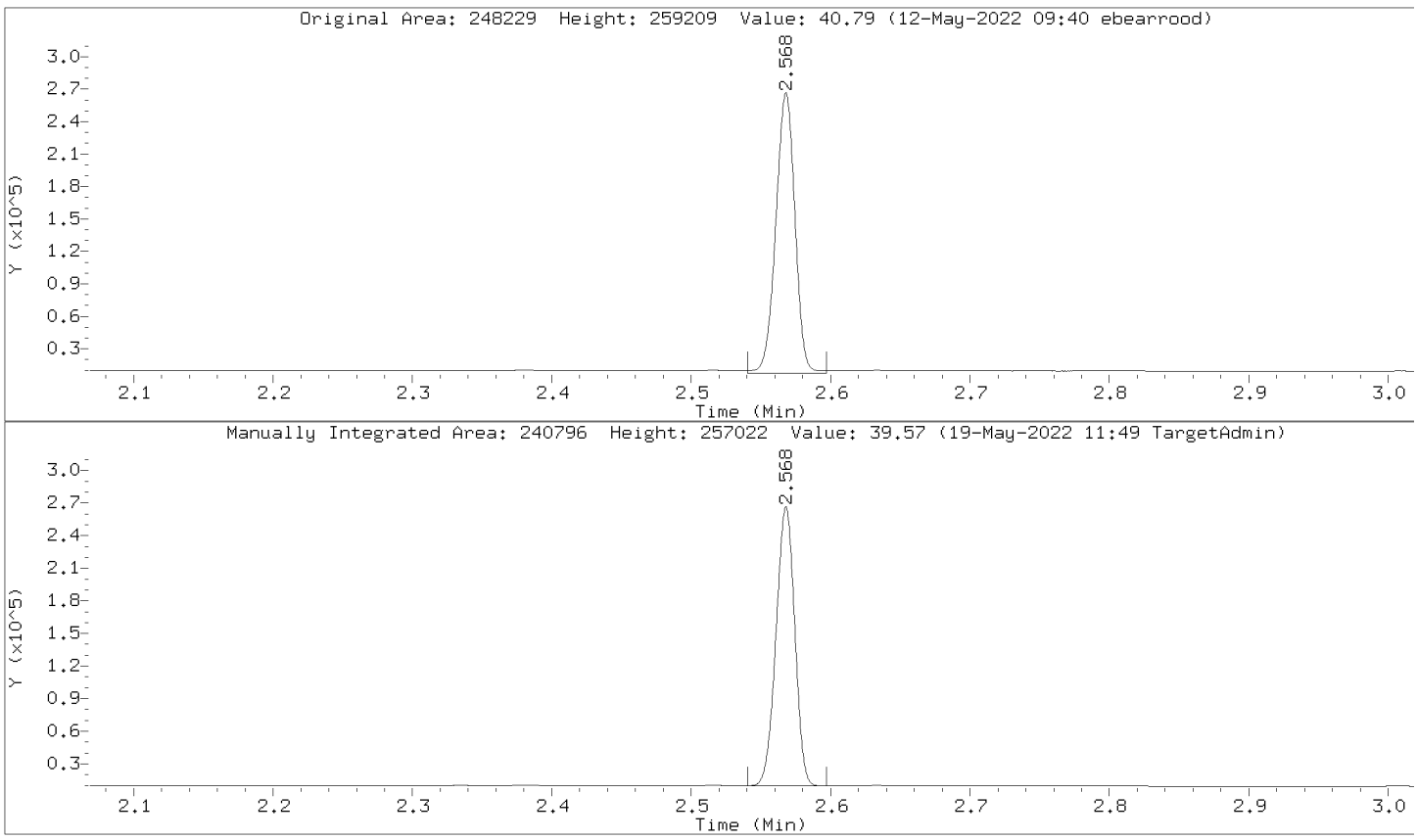
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000041.D
Injection Date: 11-MAY-2022 20:55
Instrument: 10gcsF.i
Lab Sample ID: 4310138

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000041.D
Injection Date: 11-MAY-2022 20:55
Instrument: 10gcsF.i
Lab Sample ID: 4310138

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	0	260183
Motor Oil Range	146496	146496
Diesel Fuel Range SG	0	260183
Motor Oil Range SG	146496	146496
n-Triacontane (S)	161462	155717
o-Terphenyl (S)	248229	240796

SAMPLE NO.

LCS

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received:
Matrix: Water
SDG No.: 10606561
Date Extracted: 05/03/2022 18:24
Lab Sample ID: 4310139
Date Analyzed: 05/11/2022 21:07
Lab File ID: 051122F.B\0511F0000042.D
Initial wt/vol: 250 mL
Final wt/vol: 1 mL
Dilution: 1
Instrument: 10GCSF
Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/L	Q
68334-30-5	Diesel Fuel Range	1.4	
	Motor Oil Range	1.5	

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000042.D
Lab Smp Id: 4310139 Client Smp ID: MBLCS
Inj Date : 11-MAY-2022 21:07
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 4310139
Misc Info : 39317
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 31 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: WATER
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf *Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Vo	250.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)		REVIEW CODE	
$ 2 o-Terphenyl (S)					CAS #:			
2.567	2.568	-0.001	239596	39.3707	157		(M)	BA
$ 3 n-Triacontane (S)					CAS #:			
4.026	4.028	-0.002	157411	32.3681	129		(M)	BA
S 10 Motor Oil Range					CAS #:			
3.441	- 5.260		1614131	385.577	1540		(M)	RNG
S 11 Motor Oil Range SG					CAS #:			
3.441	- 5.260		1614131	385.986	1540		(M)	RNG
S 8 Diesel Fuel Range					CAS #:			
1.240	- 3.440		1787902	351.884	1410		(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:			
1.240	- 3.440		1787902	351.884	1410		(M)	RNG

QC Flag Legend

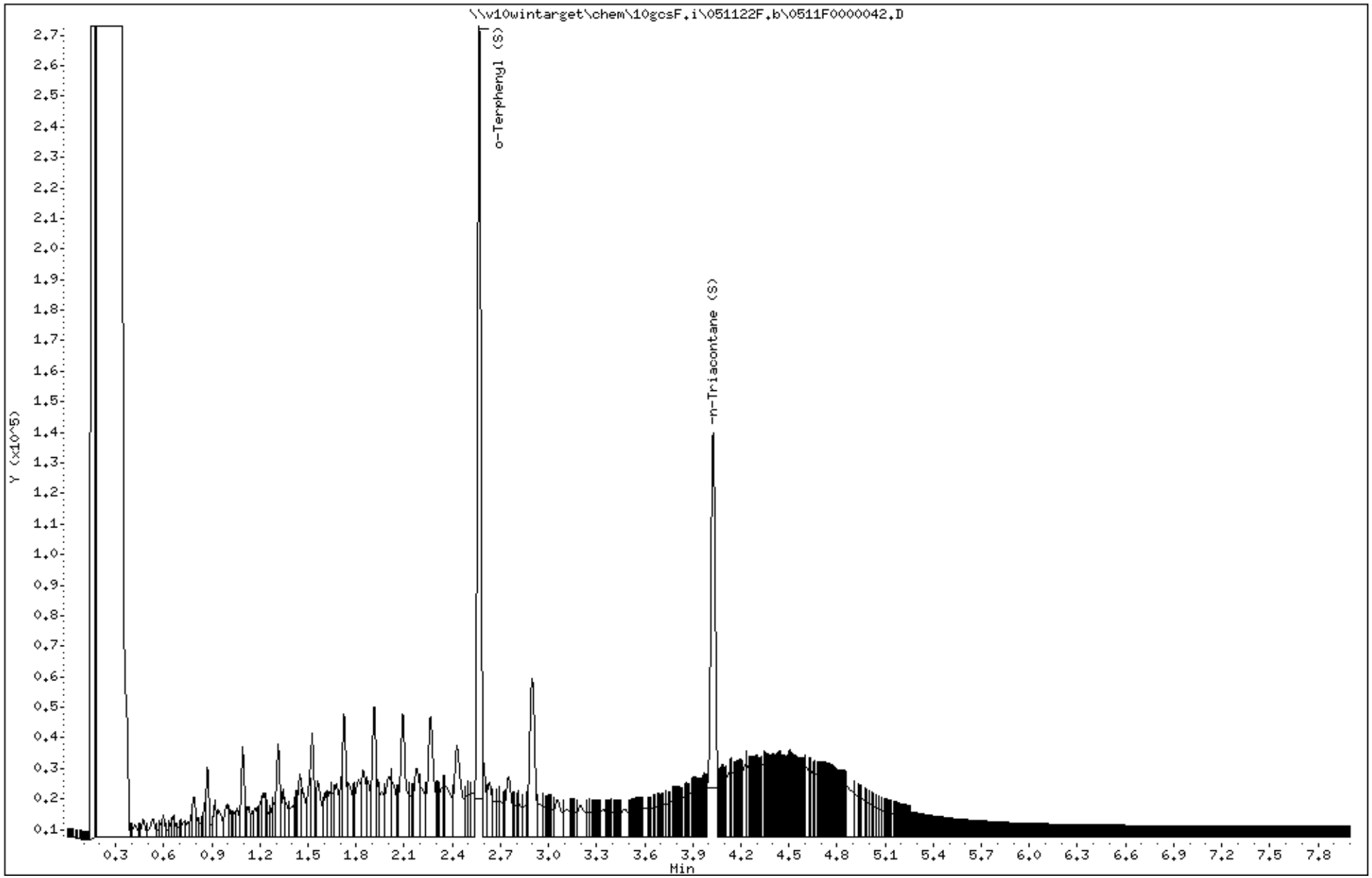
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000042.D
Date : 11-MAY-2022 21:07
Client ID: MBLCS
Sample Info: 4310139
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32



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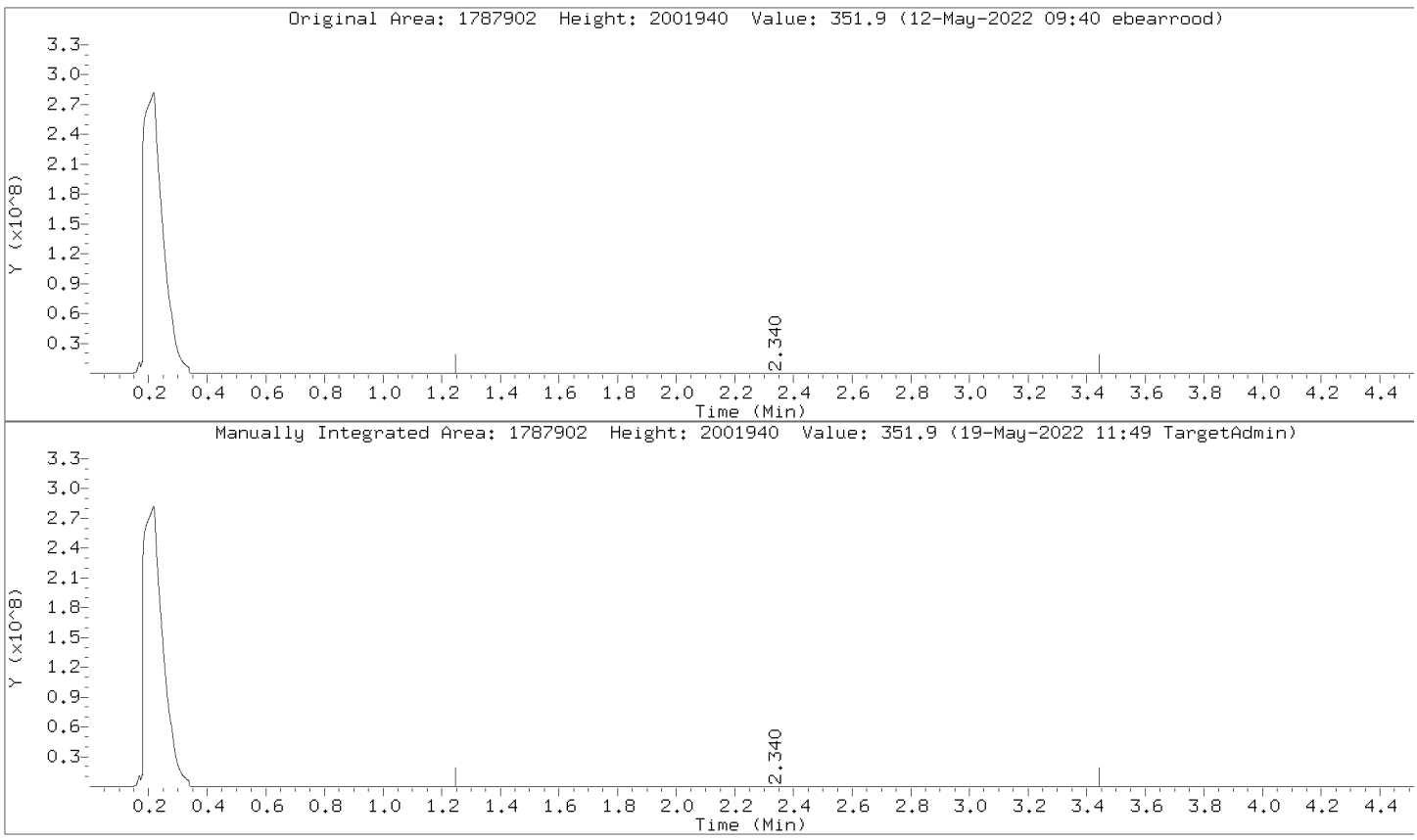
247 of 686
10606561

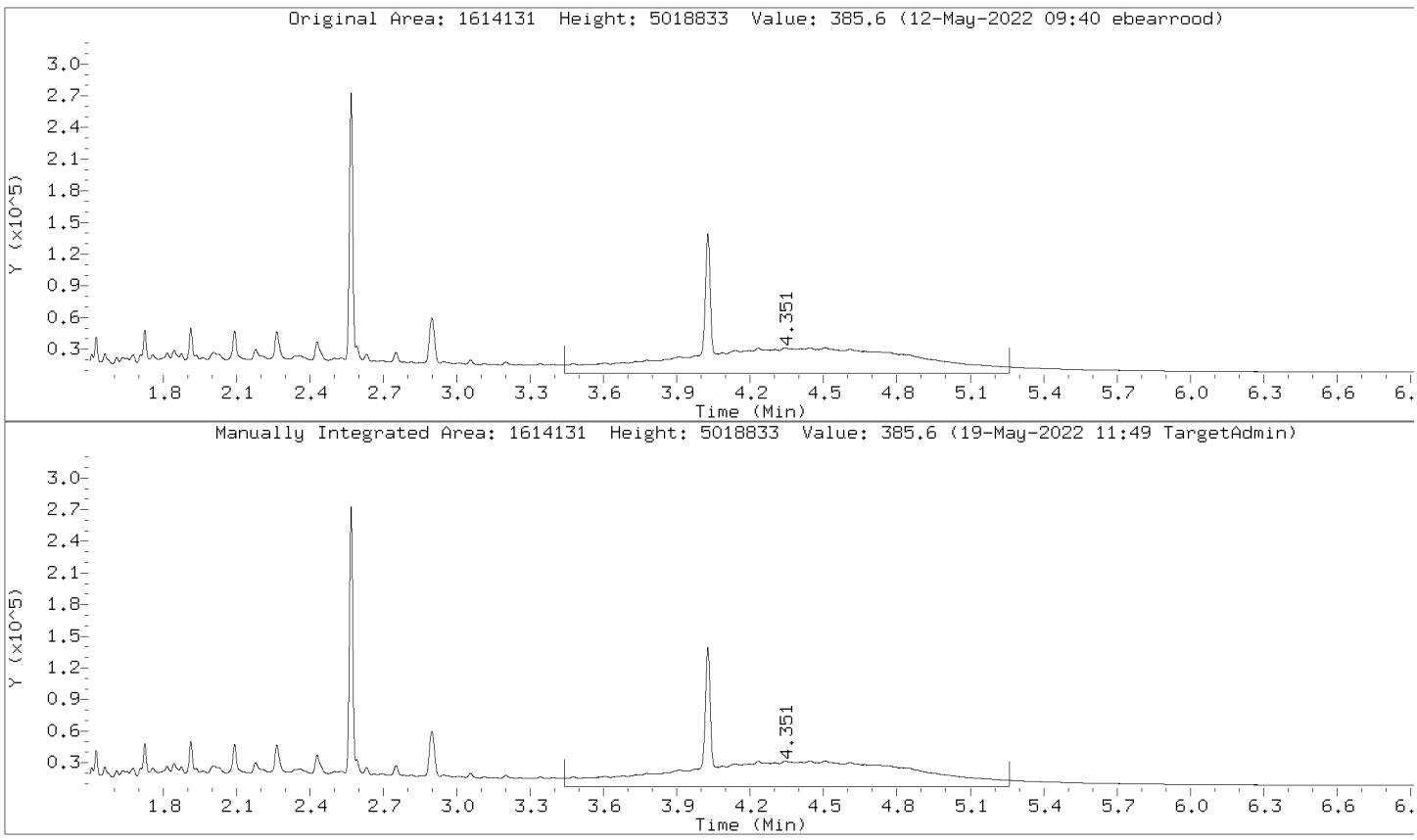
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000042.D
Injection Date: 11-MAY-2022 21:07
Instrument: 10gcsF.i
Lab Sample ID: 4310139

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



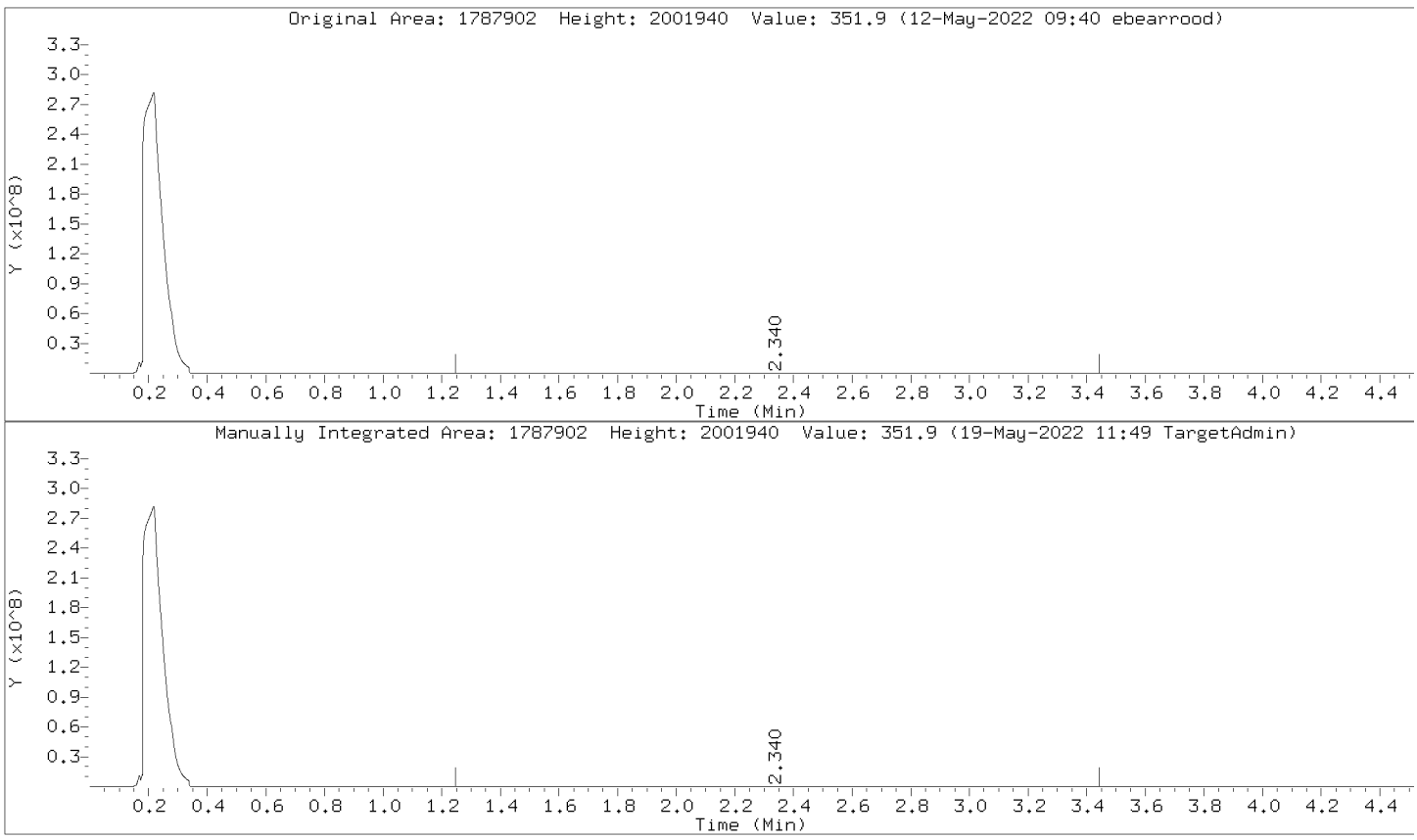
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000042.D
Injection Date: 11-MAY-2022 21:07
Instrument: 10gcsF.i
Lab Sample ID: 4310139

Compound: Motor Oil Range Review Code: RNG
CAS Number:



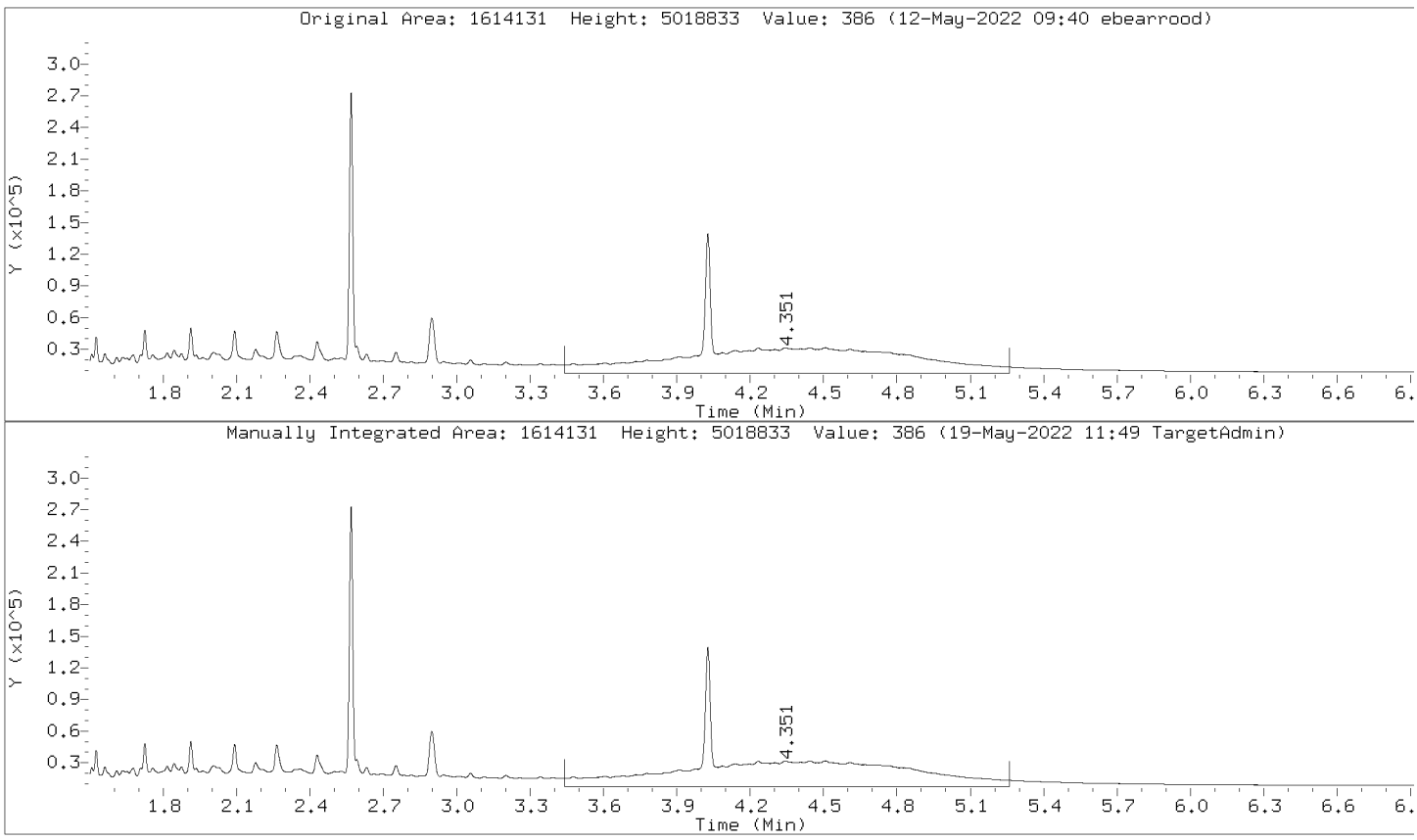
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000042.D
Injection Date: 11-MAY-2022 21:07
Instrument: 10gcsF.i
Lab Sample ID: 4310139

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



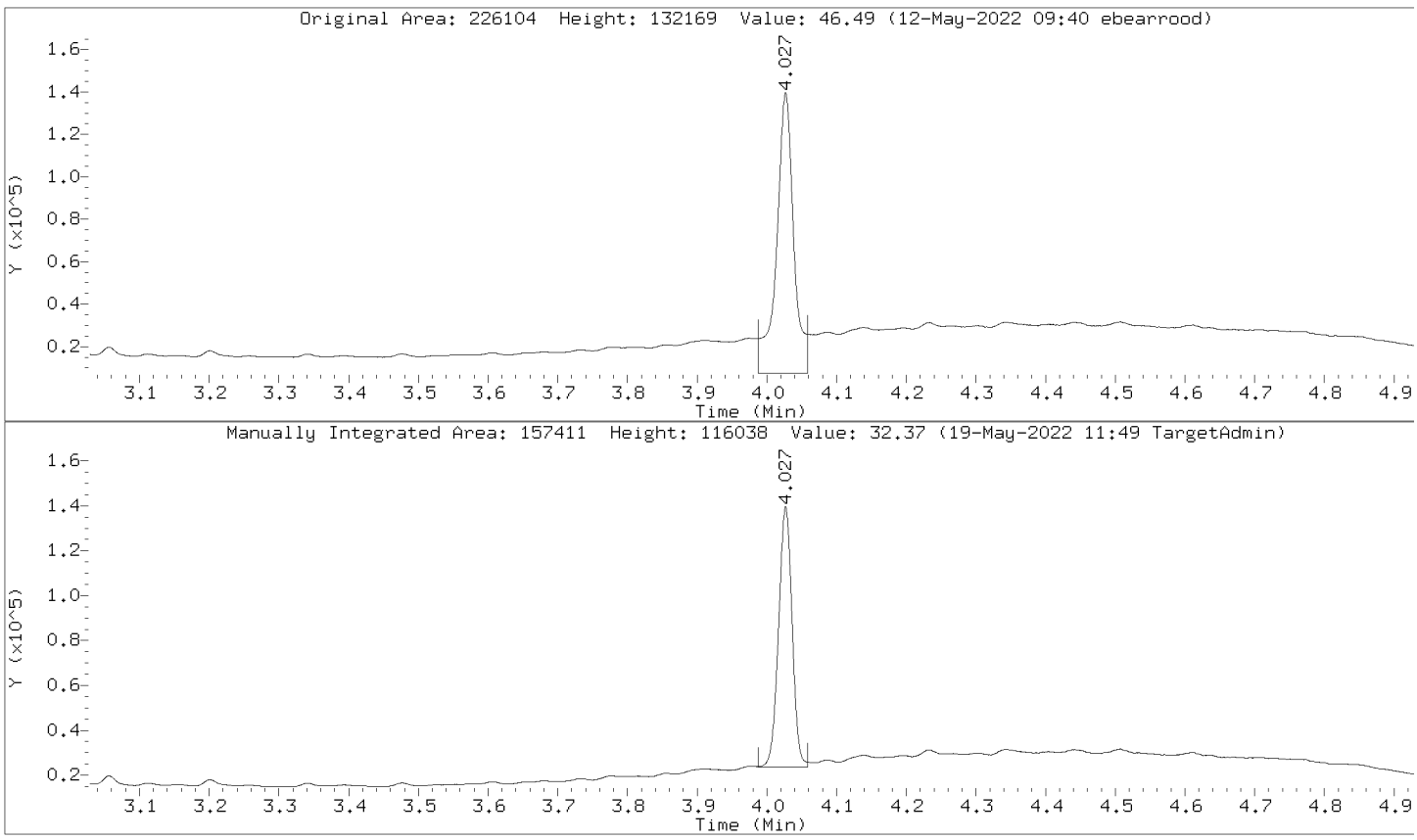
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000042.D
Injection Date: 11-MAY-2022 21:07
Instrument: 10gcsF.i
Lab Sample ID: 4310139

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



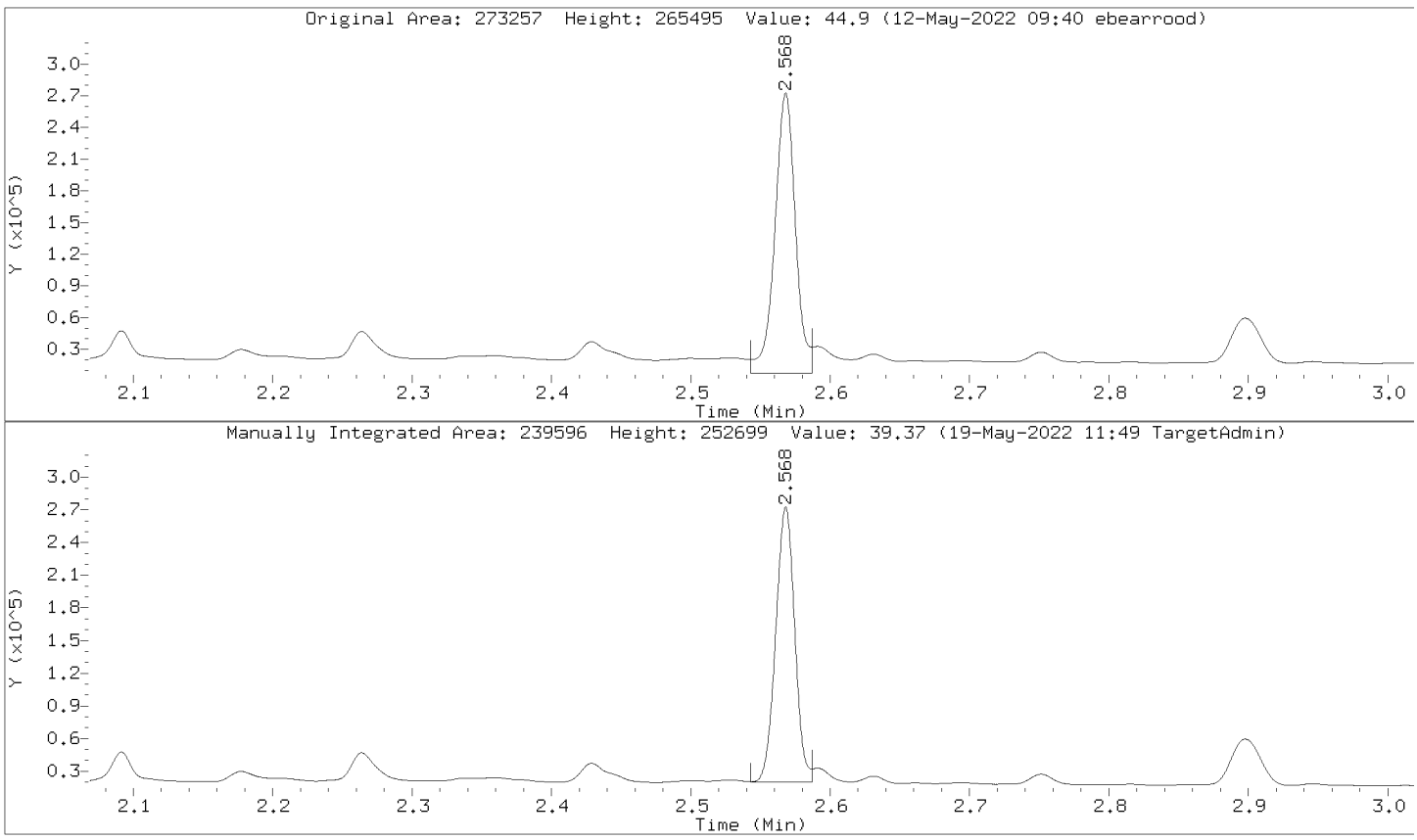
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000042.D
Injection Date: 11-MAY-2022 21:07
Instrument: 10gcsF.i
Lab Sample ID: 4310139

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000042.D
Injection Date: 11-MAY-2022 21:07
Instrument: 10gcsF.i
Lab Sample ID: 4310139

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	1787902	1787902
Motor Oil Range	1614131	1614131
Diesel Fuel Range SG	1787902	1787902
Motor Oil Range SG	1614131	1614131
n-Triacontane (S)	226104	157411
o-Terphenyl (S)	273257	239596

SAMPLE NO.

LCSD

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota Contract: D3593500
Date Received: Matrix: Water SDG No.: 10606561
Date Extracted: 05/03/2022 18:24 Lab Sample ID: 4310140
Date Analyzed: 05/11/2022 21:18 Lab File ID: 051122F.B\0511F0000043.D
Initial wt/vol: 250 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 10GCSF Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/L	Q
68334-30-5	Diesel Fuel Range	1.7	
	Motor Oil Range	1.8	

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000043.D
Lab Smp Id: 4310140 Client Smp ID: MBLCSD
Inj Date : 11-MAY-2022 21:18
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 4310140
Misc Info : 39317
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 32 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: WATER
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf *Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Vo	250.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.568	2.568	0.000	272118	44.7148	179	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.027	4.028	-0.001	179168	36.8420	147	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		1856349	447.861	1790	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		1856349	448.258	1790	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		2070407	417.104	1670	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		2070407	417.104	1670	(M)	RNG

QC Flag Legend

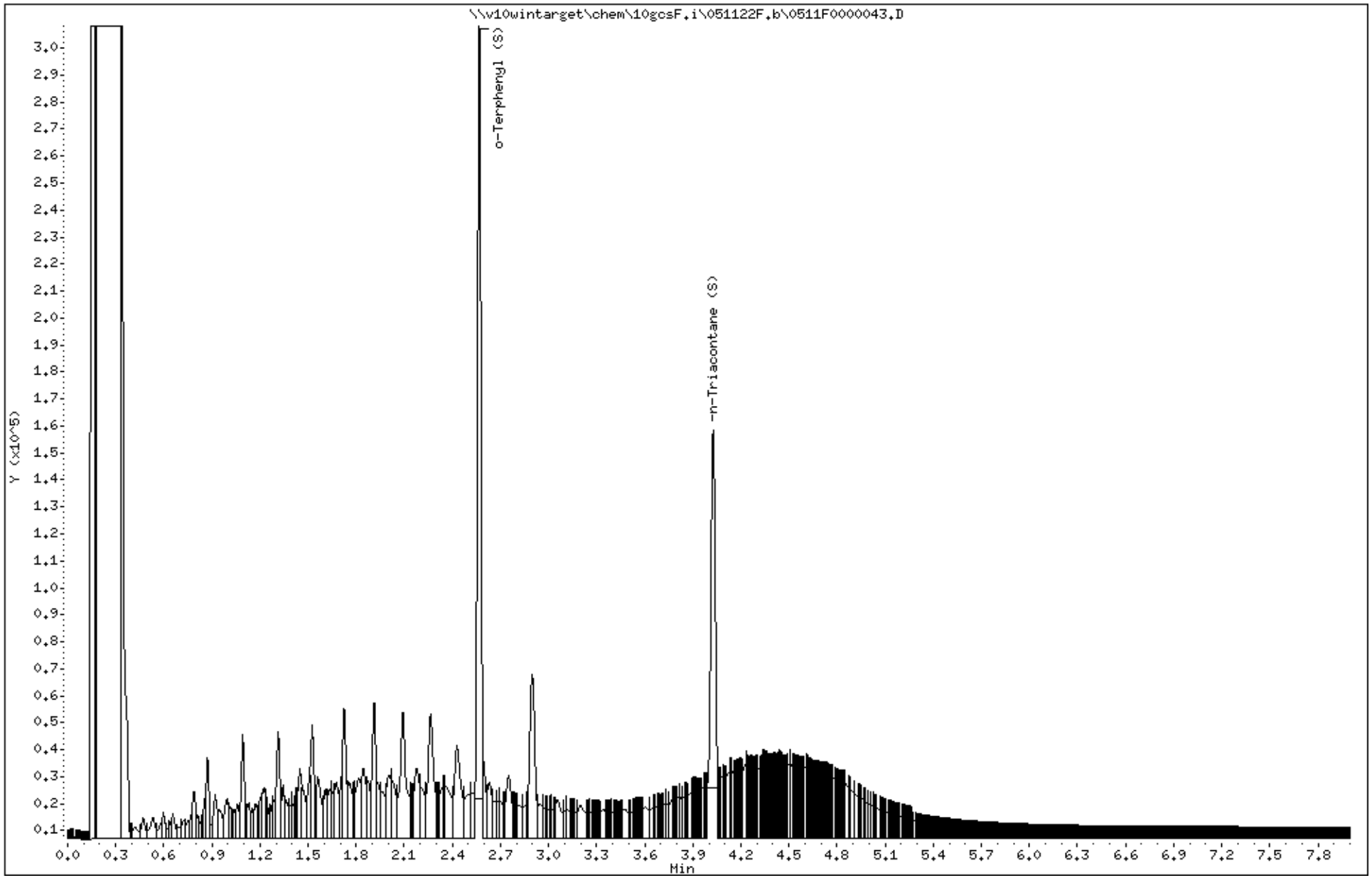
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000043.D
Date : 11-MAY-2022 21:18
Client ID: MBLCSD
Sample Info: 4310140
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

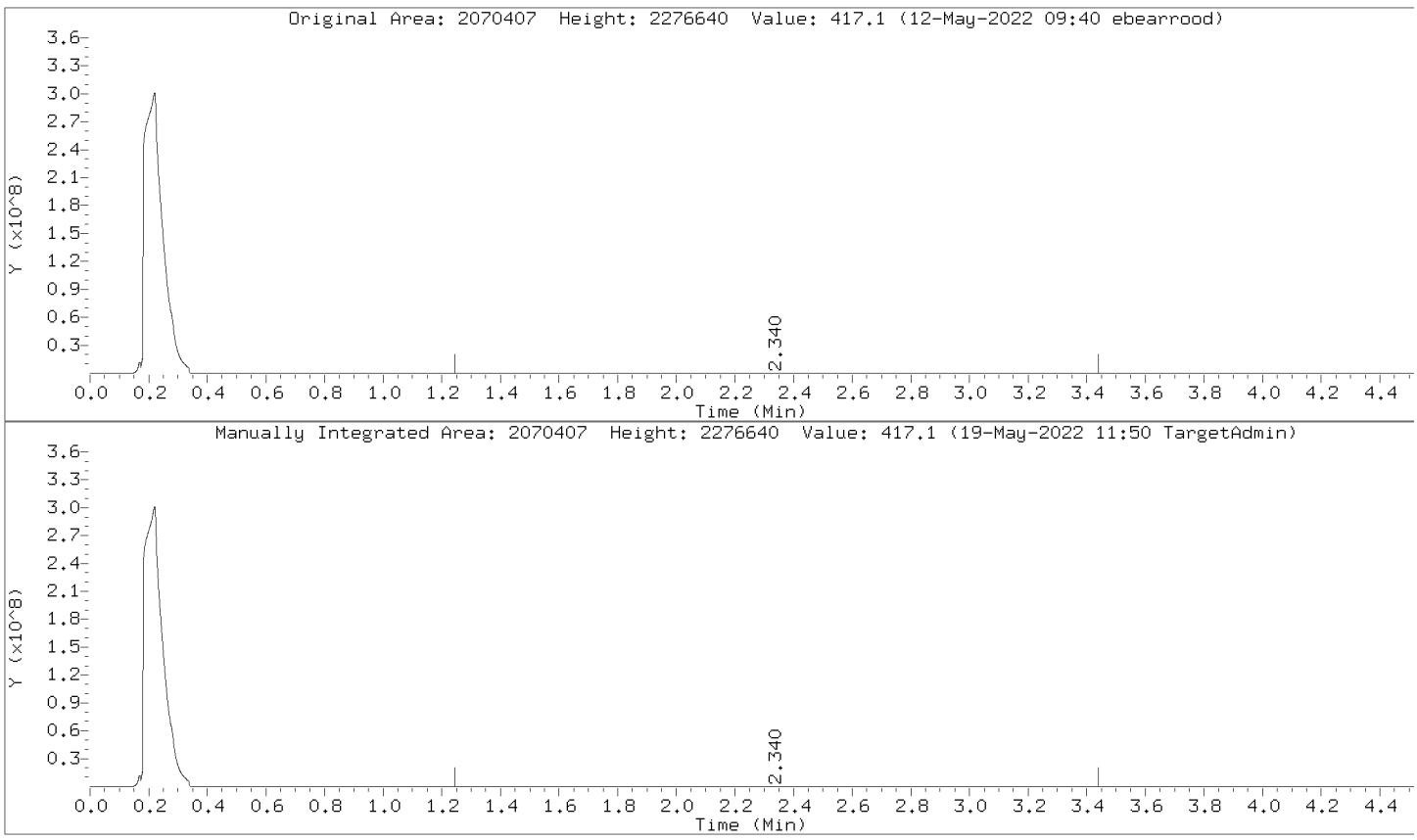
Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32



282 of 1171
257 of 686
10606561

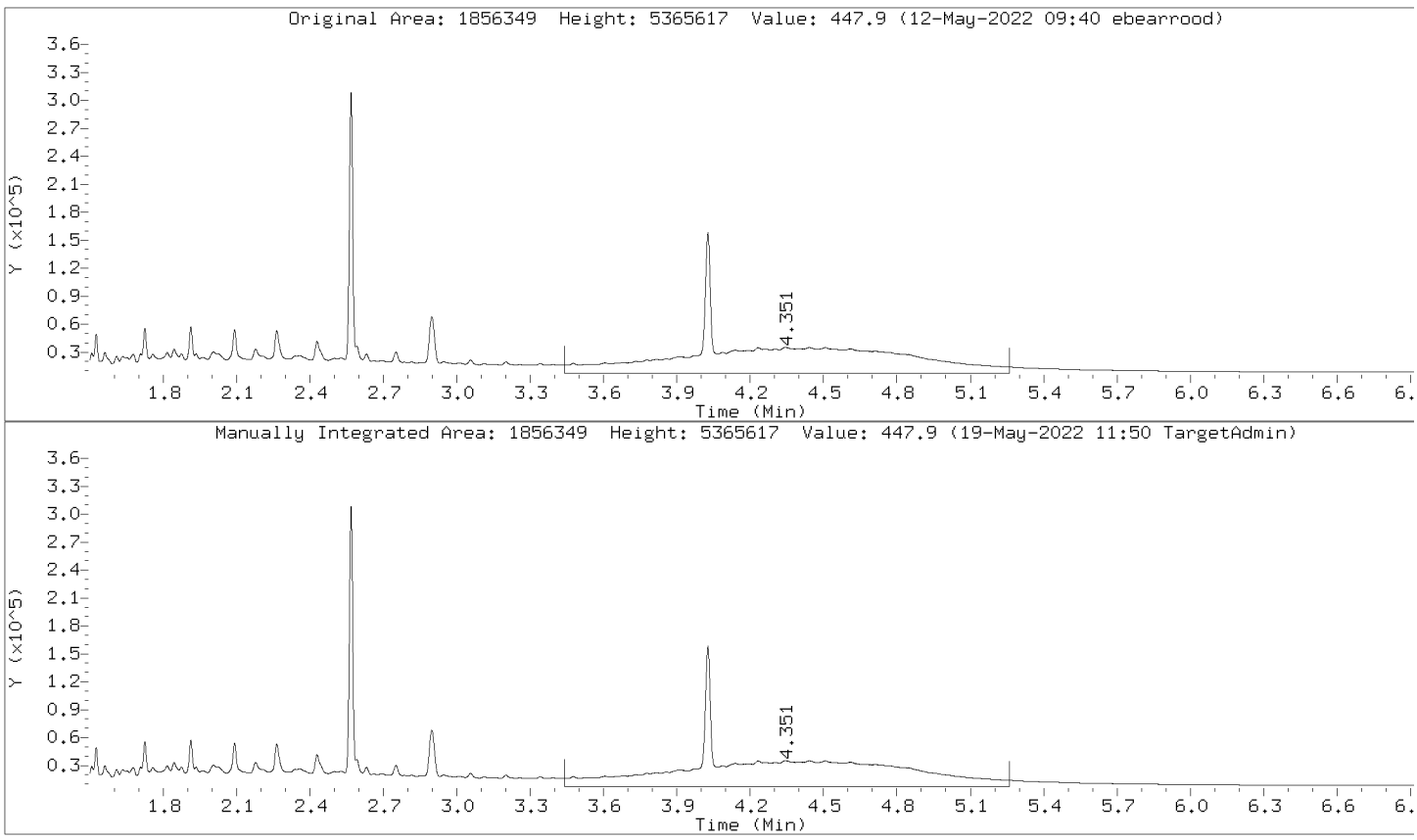
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000043.D
Injection Date: 11-MAY-2022 21:18
Instrument: 10gcsF.i
Lab Sample ID: 4310140

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



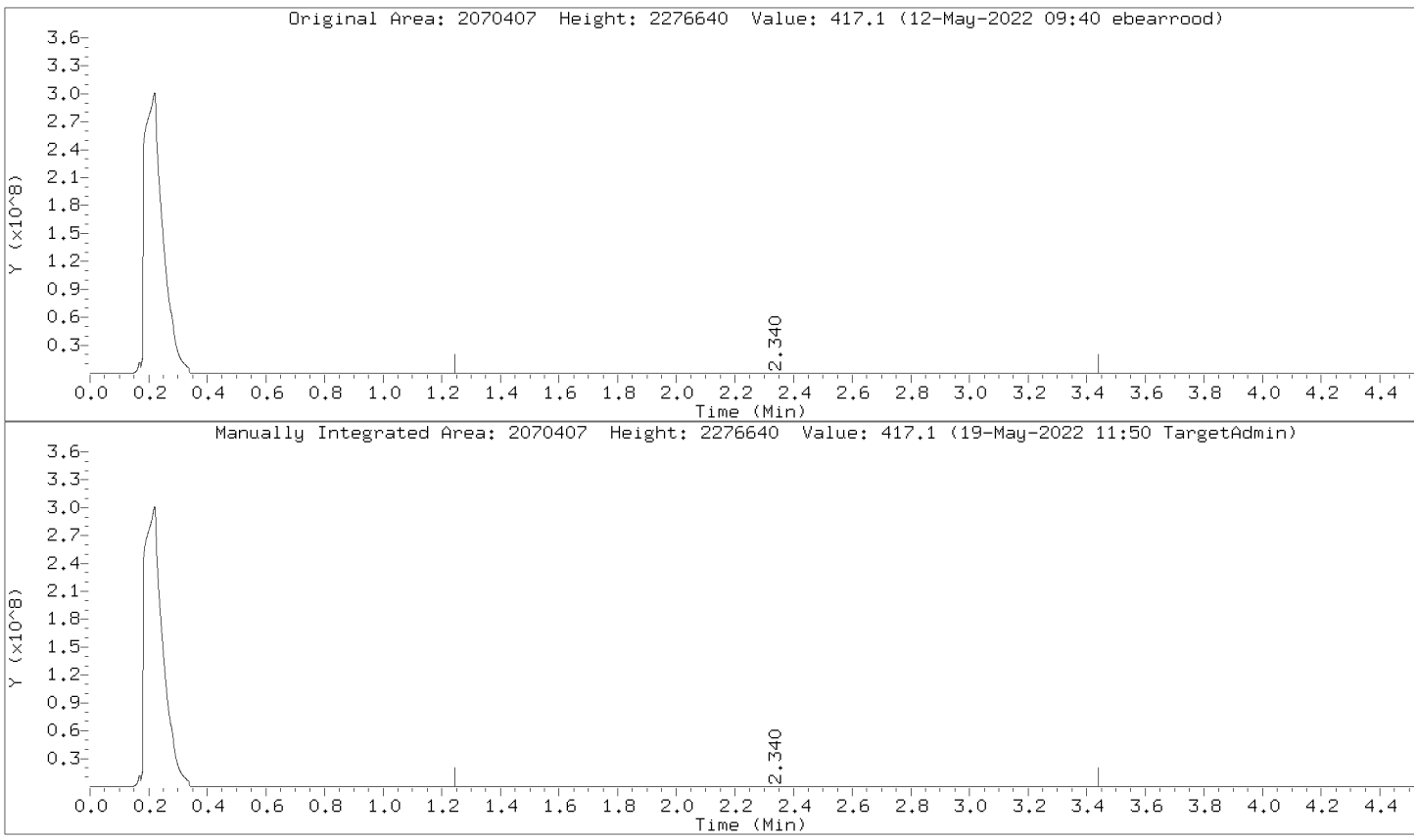
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000043.D
Injection Date: 11-MAY-2022 21:18
Instrument: 10gcsF.i
Lab Sample ID: 4310140

Compound: Motor Oil Range Review Code: RNG
CAS Number:



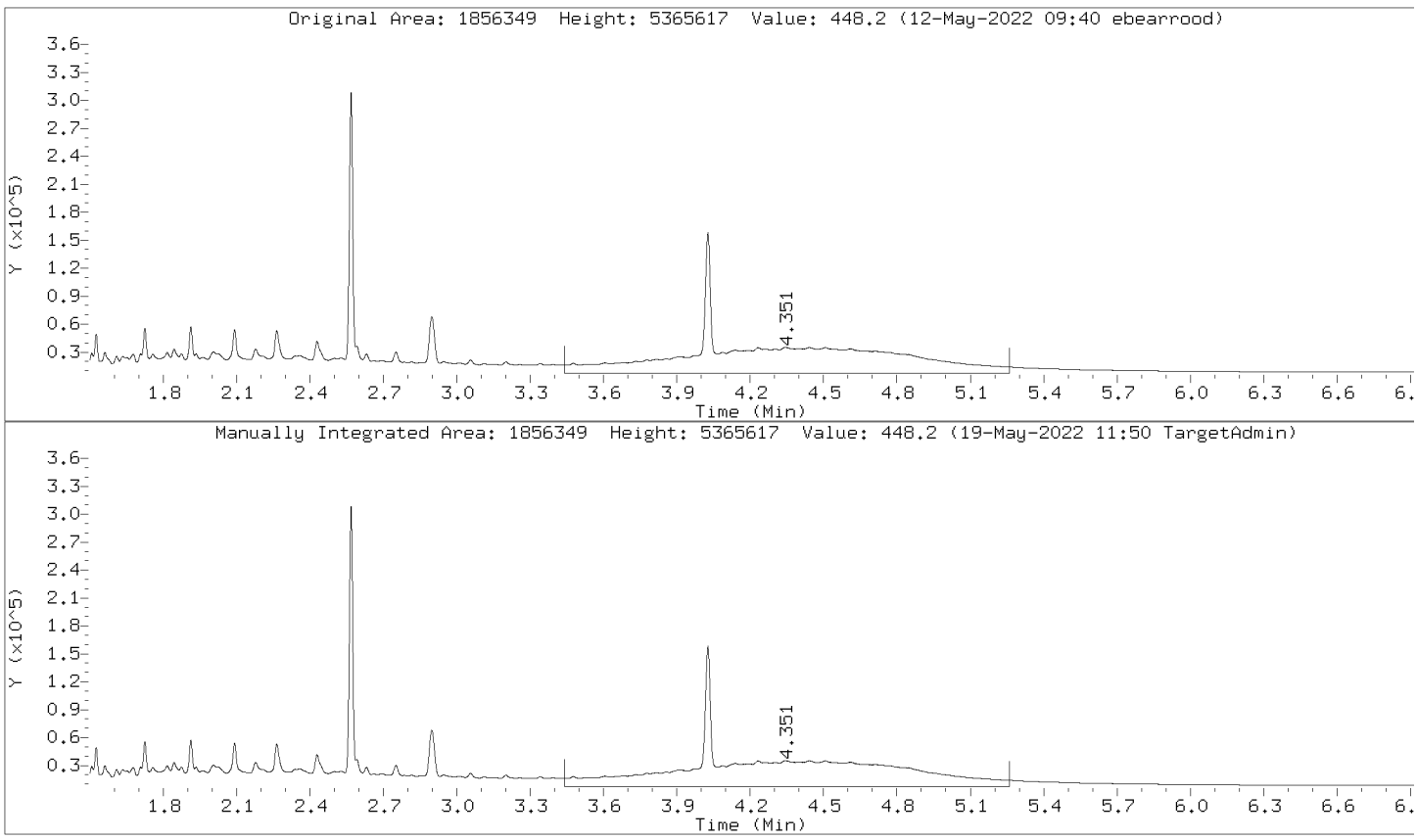
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000043.D
Injection Date: 11-MAY-2022 21:18
Instrument: 10gcsF.i
Lab Sample ID: 4310140

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



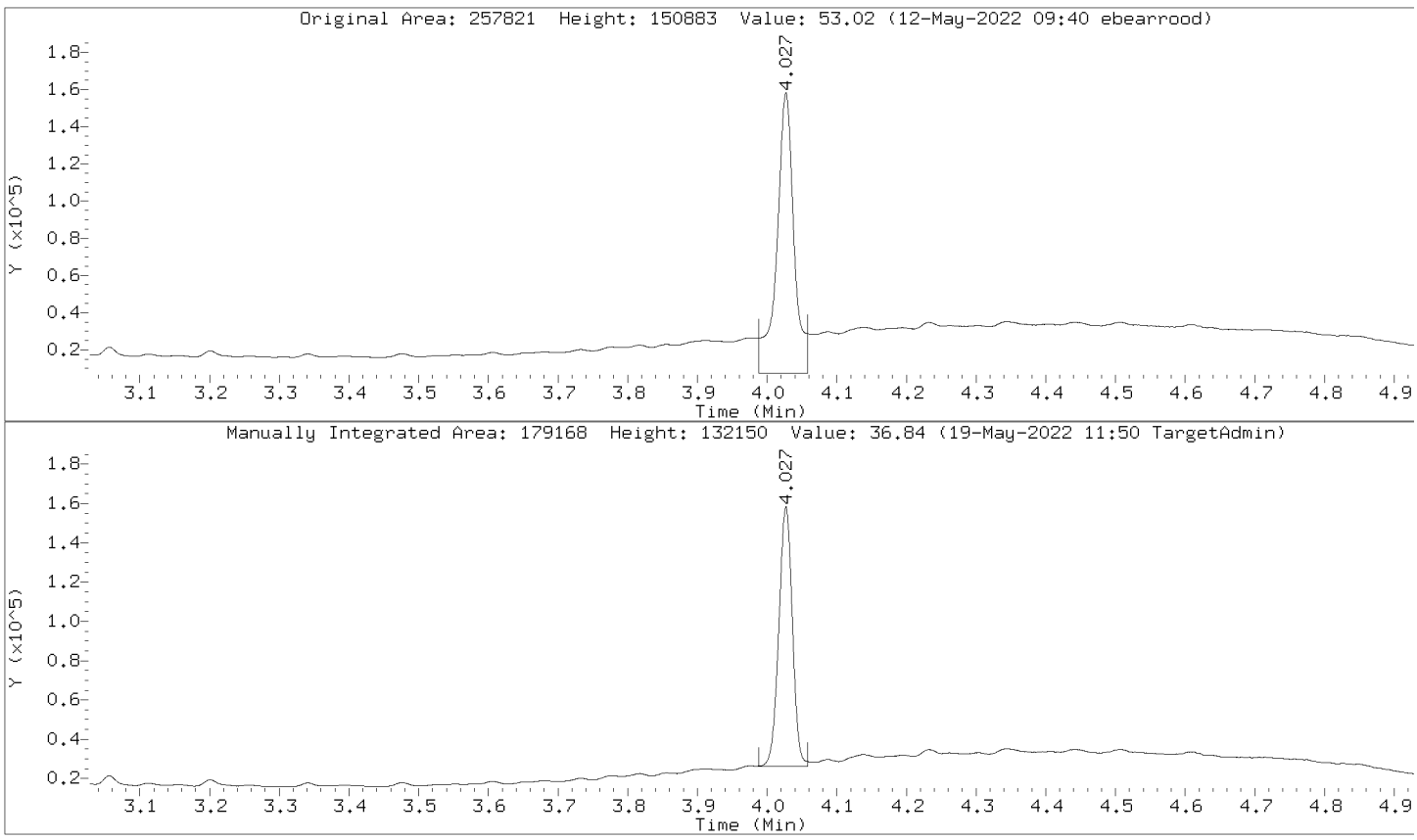
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000043.D
Injection Date: 11-MAY-2022 21:18
Instrument: 10gcsF.i
Lab Sample ID: 4310140

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



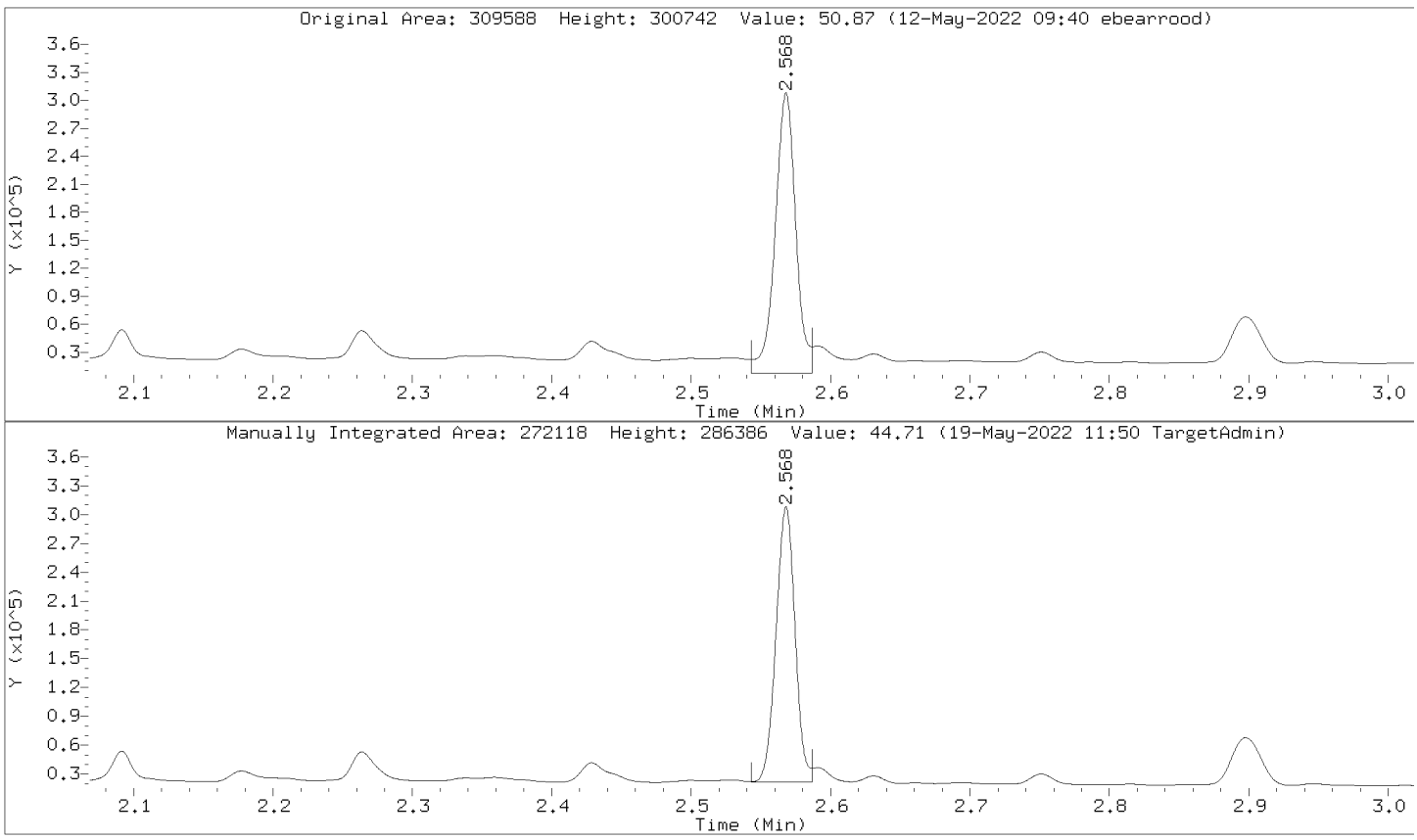
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000043.D
Injection Date: 11-MAY-2022 21:18
Instrument: 10gcsF.i
Lab Sample ID: 4310140

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000043.D
Injection Date: 11-MAY-2022 21:18
Instrument: 10gcsF.i
Lab Sample ID: 4310140

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	2070407	2070407
Motor Oil Range	1856349	1856349
Diesel Fuel Range SG	2070407	2070407
Motor Oil Range SG	1856349	1856349
n-Triacontane (S)	257821	179168
o-Terphenyl (S)	309588	272118

SAMPLE NO.

DUP

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received: 05/02/2022 08:50
Matrix: Water
SDG No.: 10606561
Date Extracted: 05/03/2022 18:24
Lab Sample ID: 4310141
Date Analyzed: 05/11/2022 21:41
Lab File ID: 051122F.B\0511F0000045.D
Initial wt/vol: 460 mL
Final wt/vol: 1 mL
Dilution: 1
Instrument: 10GCSF
Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/L	Q
68334-30-5	Diesel Fuel Range	ND	U
	Motor Oil Range	ND	U

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000045.D
Lab Smp Id: 4310141 Client Smp ID: EB02-042822-02DUP
Inj Date : 11-MAY-2022 21:41
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 4310141
Misc Info : 39317
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 34 QC Sample: FIELDDUP
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: WATER
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf *Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Vo	460.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.567	2.568	-0.001	187292	30.7760	66.9	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.026	4.028	-0.002	163033	33.5241	72.9	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		153755	10.0594	21.9	(RM)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		153755	10.5342	22.9	(RM)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		272107	1.94104	4.22	(RM)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		272107	1.94104	4.22	(RM)	RNG

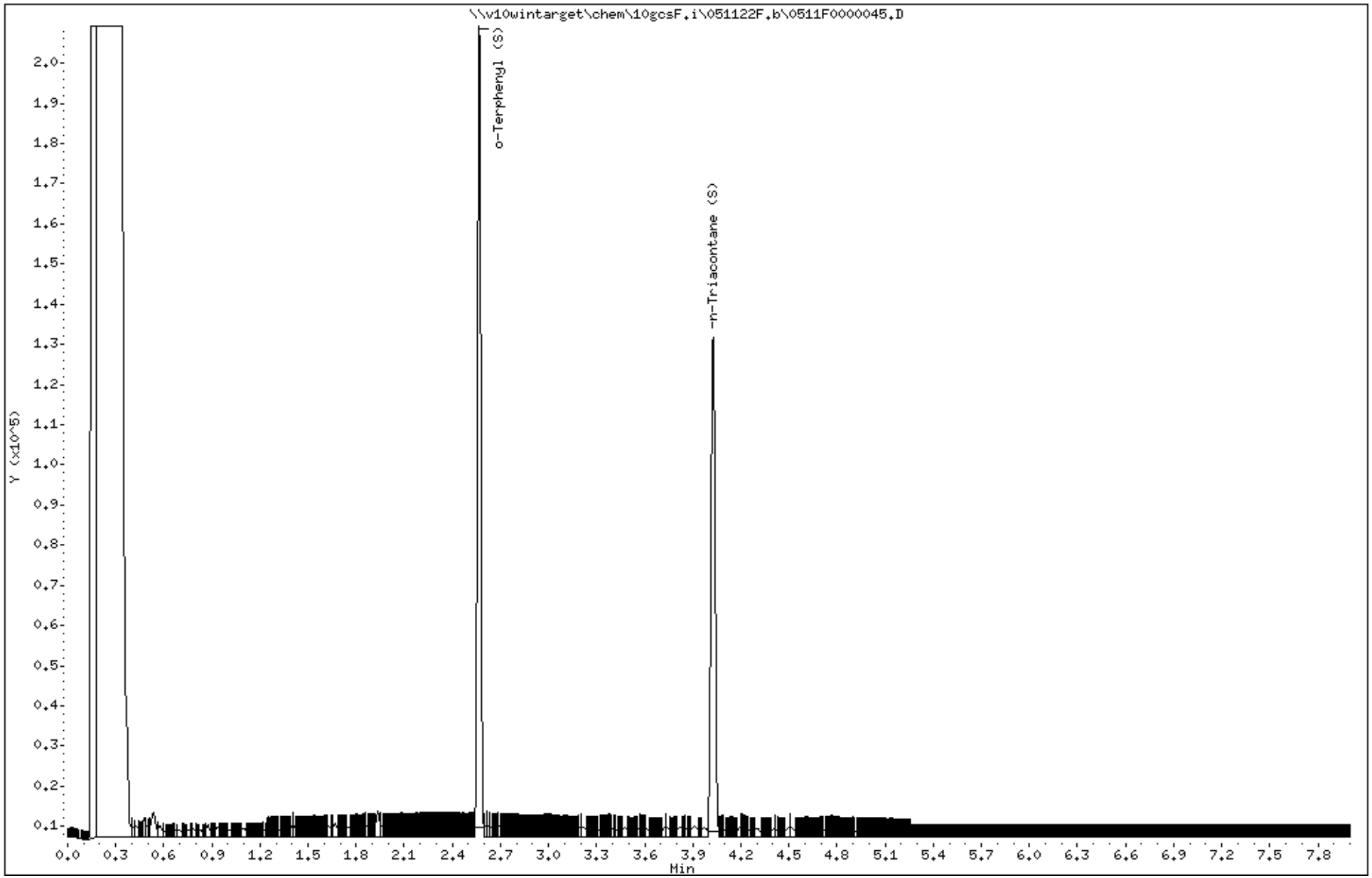
QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Review Codes Legend

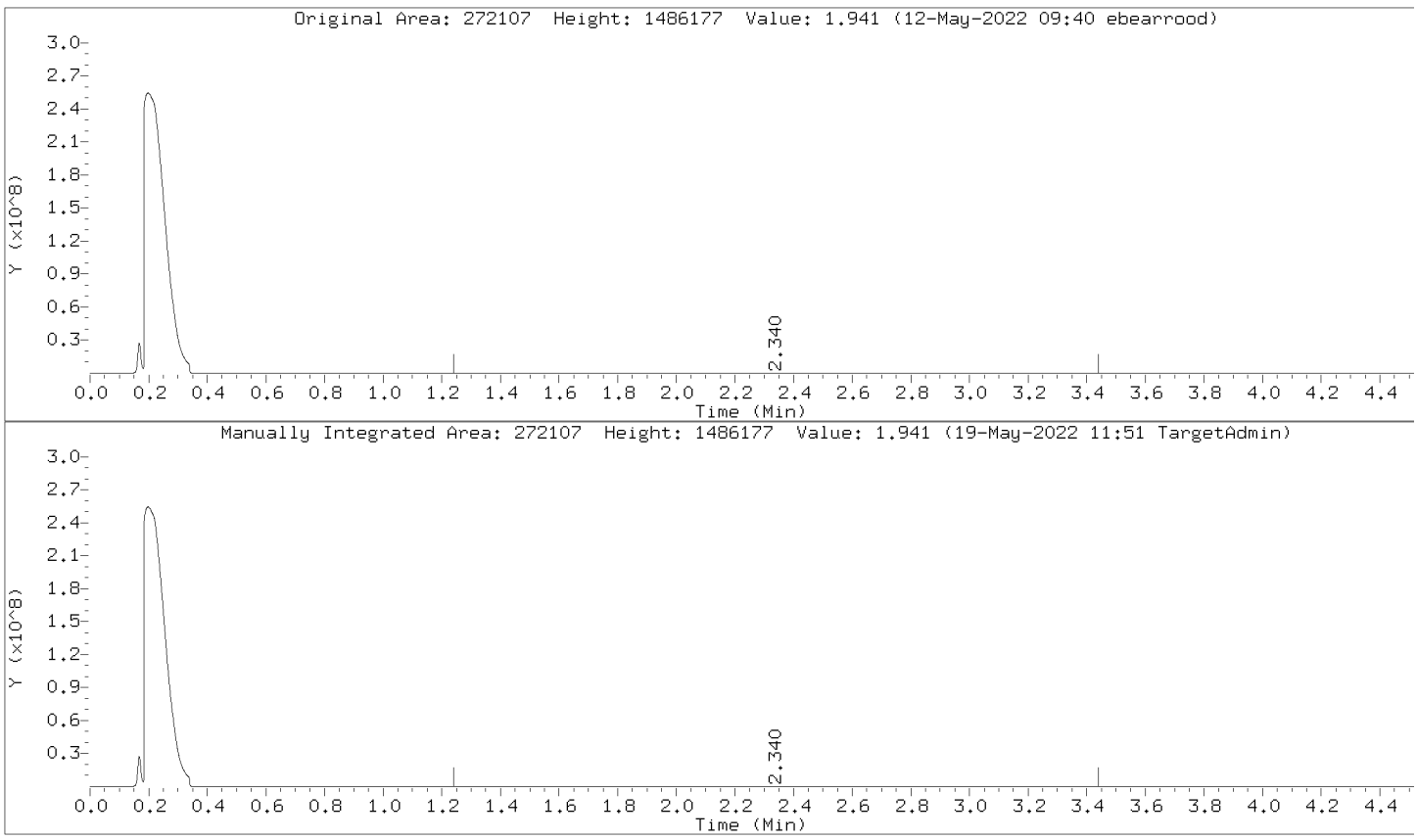
BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000045.D
Date : 11-MAY-2022 21:41
Client ID: EB02-042822-02DUP
Instrument: 10gcsF.i
Sample Info: 4310141
Volume Injected (uL): 1.0
Operator: EB3
Column phase: DB-5-US21390001
Column diameter: 0.32



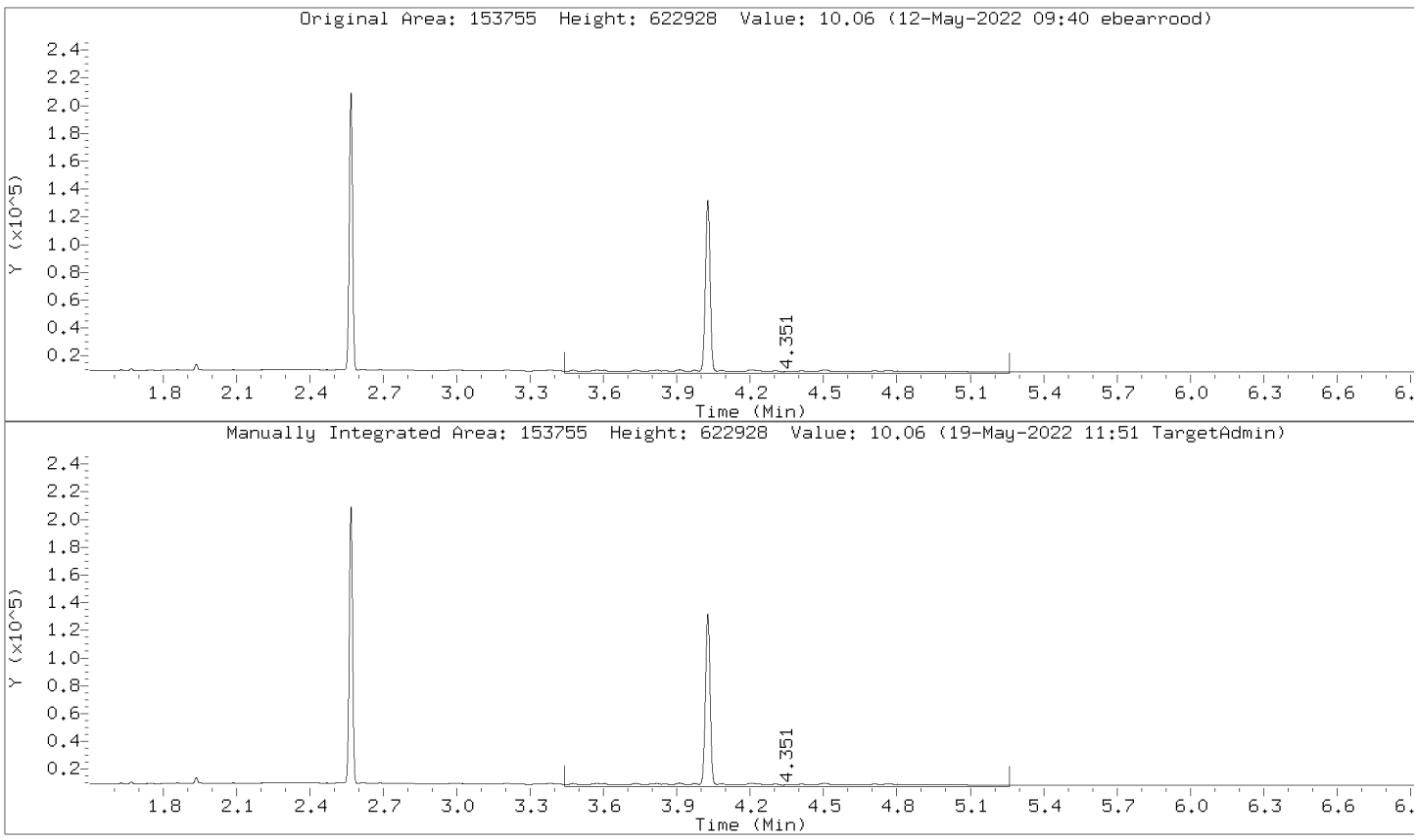
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000045.D
Injection Date: 11-MAY-2022 21:41
Instrument: 10gcsF.i
Lab Sample ID: 4310141

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



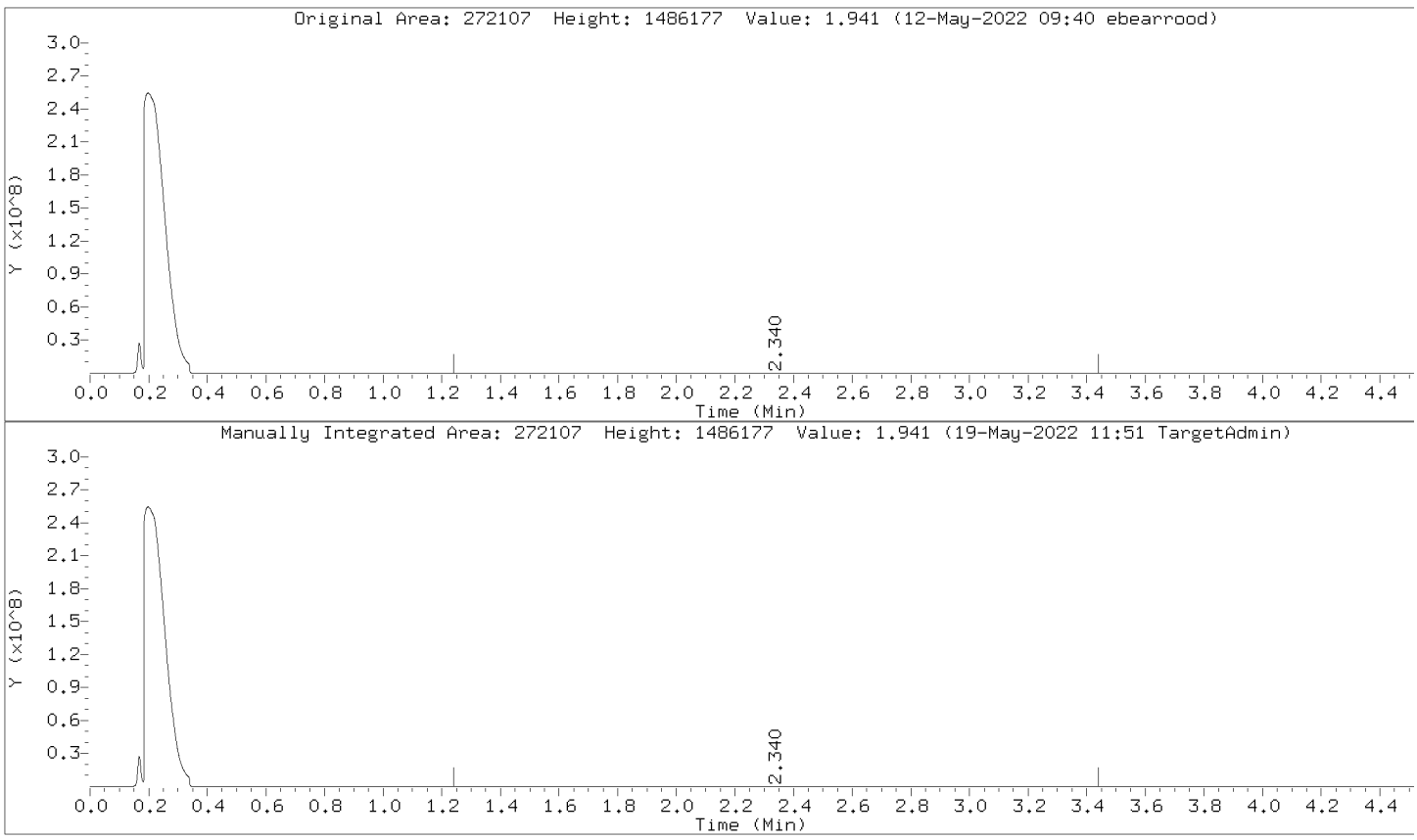
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000045.D
Injection Date: 11-MAY-2022 21:41
Instrument: 10gcsF.i
Lab Sample ID: 4310141

Compound: Motor Oil Range Review Code: RNG
CAS Number:



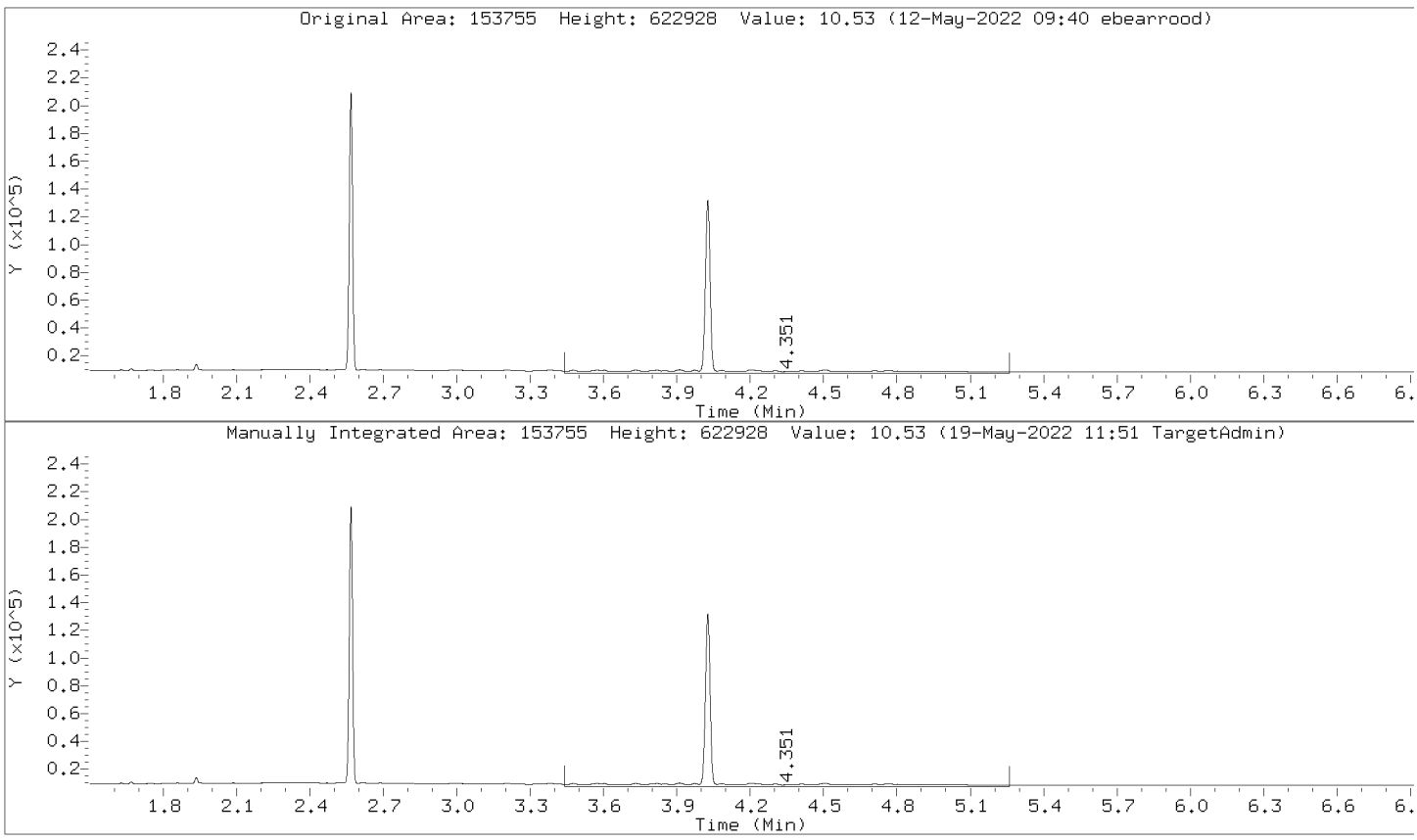
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000045.D
Injection Date: 11-MAY-2022 21:41
Instrument: 10gcsF.i
Lab Sample ID: 4310141

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



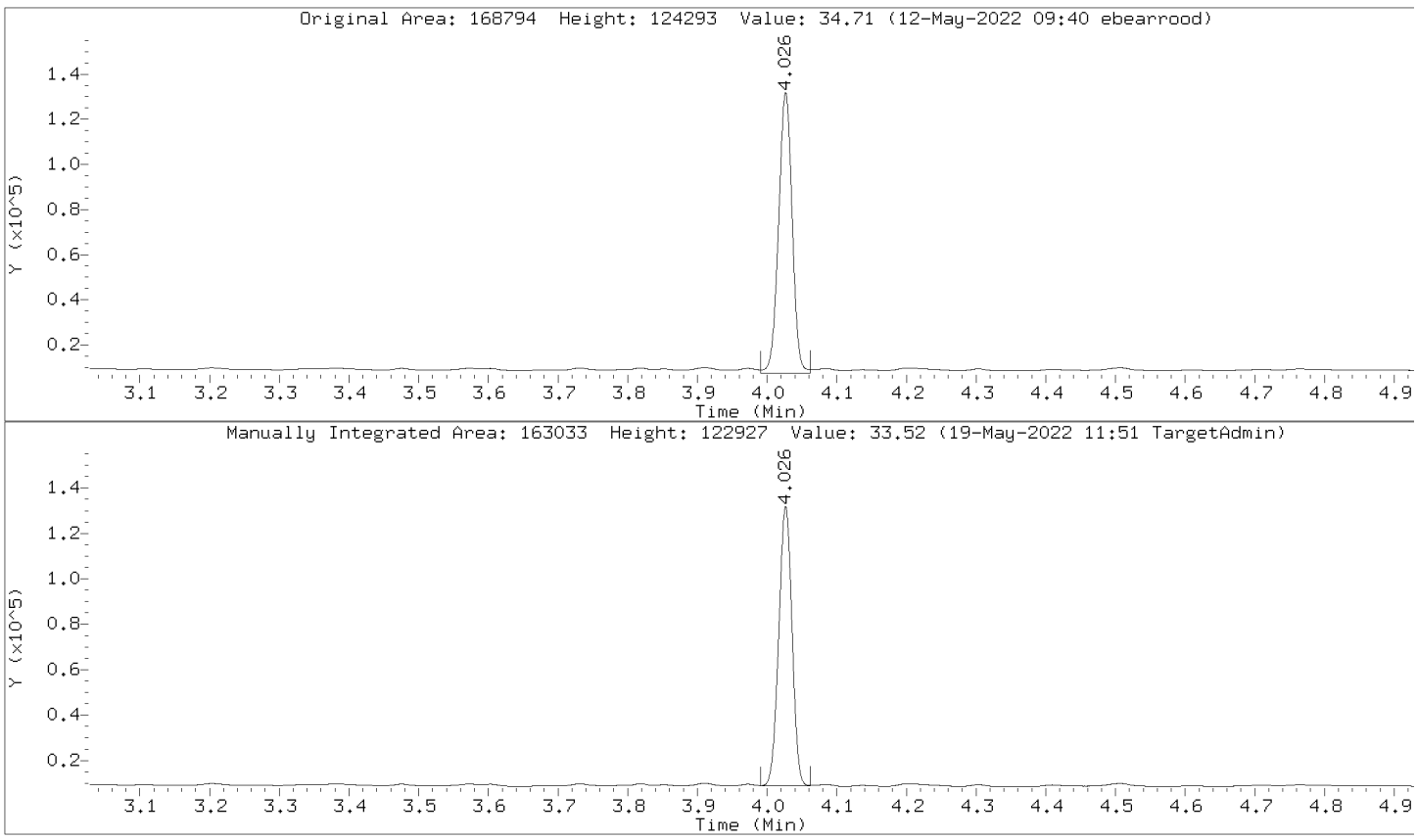
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000045.D
Injection Date: 11-MAY-2022 21:41
Instrument: 10gcsF.i
Lab Sample ID: 4310141

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



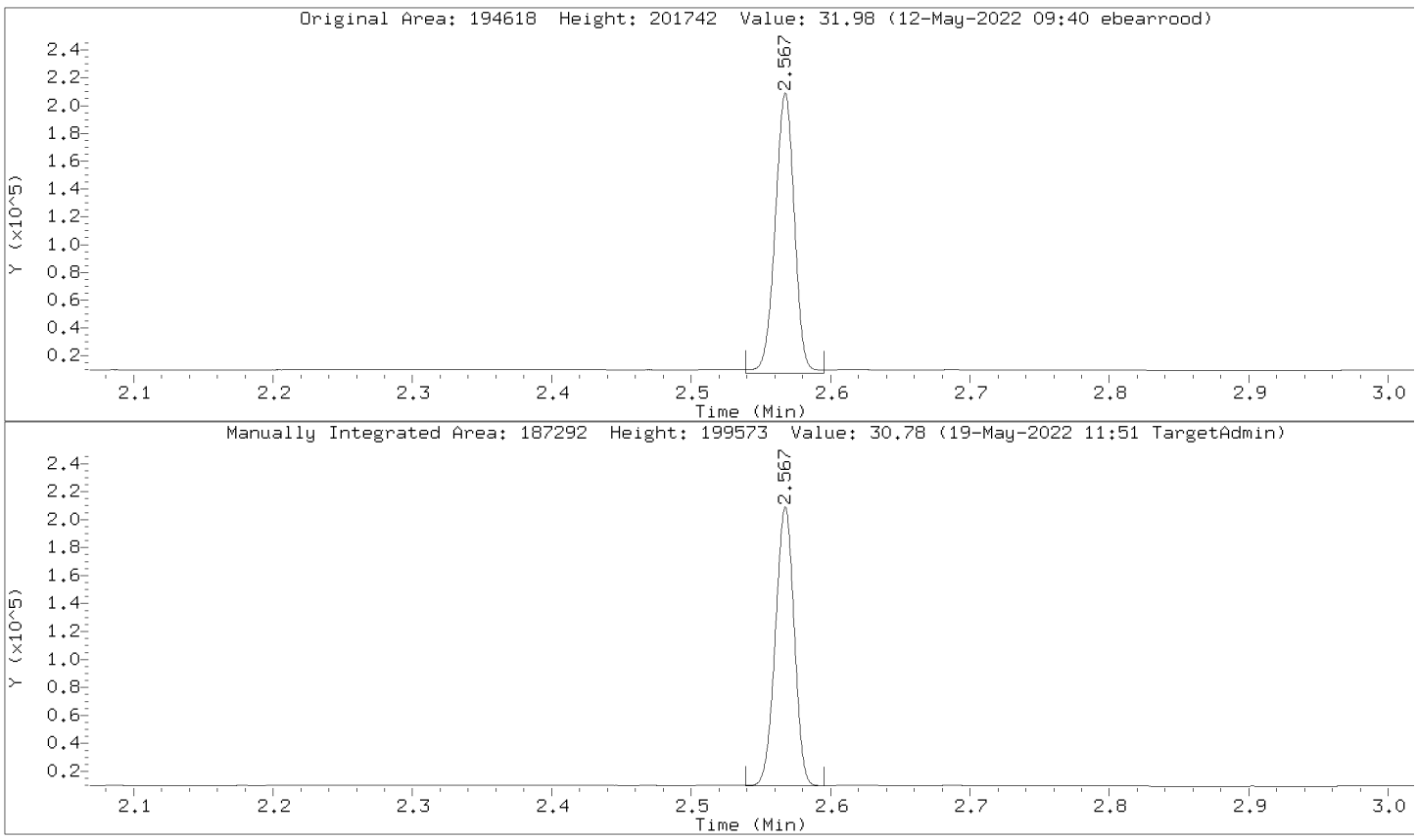
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000045.D
Injection Date: 11-MAY-2022 21:41
Instrument: 10gcsF.i
Lab Sample ID: 4310141

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000045.D
Injection Date: 11-MAY-2022 21:41
Instrument: 10gcsF.i
Lab Sample ID: 4310141

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	272107	272107
Motor Oil Range	153755	153755
Diesel Fuel Range SG	272107	272107
Motor Oil Range SG	153755	153755
n-Triacontane (S)	168794	163033
o-Terphenyl (S)	194618	187292

Prep Log Report

Batch Information: OEXT 64537 812885 NWDROWLV

Template Version: ENV-EPL-MIN4-0072-Rev.00 (03Jan2021)

Prep Method	EPA Mod. 3510C	Analysis Method	NWTPH-Dx	Prepared By	JV	Extracted Date/Time	05/03/2022 18:24:40:950
Spiked By	JV	Dispenser ID 1	Q646	Syringe ID 1	Q418	Syringe ID 2	
Syringe ID 3		Pipette ID 1	PP1-42	Conc. Method	WaterBath	Concentrated By	RS
Concentration Date/Time	05/04/2022 11:46:10:168	Methylene Chloride	364249	Sodium Sulfate	355640-06	1:1 HCl (mL)	304840 (0.5)
Glass Wool	363836	pH Test Strips	352828	Sodium Thiosulfate	None Added	Vial Lot #	22025312
Reviewed By	ACV	Reviewed By Date	05/04/2022 17:44	Batch Notes	SYRINGES USED Q833 AND 701		

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	Matrix	Sample ID Verified By	Residual Chlorine Present	Initial pH	Spike Verified By	Sample Volume (mL)	Sediment Volume (mL)	Initial Amount (g | mL | wipe)	Final Volume (mL)	Water Bath ID	Water Bath Thermo ID
NWDROWLV_P	BLANK	**4310138**	Y	Water	SCanner	No	2	N/A			250	1	10OP28	210745396
NWDROWLV_P	LCS	**4310139**	Y	Water	SCanner	No	2	N/A			250	1	10OP28	210745396
NWDROWLV_P	LCSD	**4310140**	Y	Water	SCanner	No	2	N/A			250	1	10OP28	210745396
NWDROWLV_P	PS	**10606561001**	Y	Water	SCanner	No	2	N/A			450	1	10OP28	210745396
NWDROWLV_P	DUP	**4310141**	Y	Water	SCanner	No	2	N/A			460	1	10OP28	210745396
NWDROWLV_P	PS	**10606563001**	Y	Water	SCanner	No	2	N/A			240	1	10OP28	210745396

QC Rule	Sample Type	Lab Sample ID	Correction Factor	Water Bath Temp | Corr (C)	Sample Notes	DMO-SPK (uL)	ntcs-SS (uL)	oter-SS (uL)
NWDROWLV_P	BLANK	**4310138**	1	86.00 | 87.00			360522 (10)	356212 (25)
NWDROWLV_P	LCS	**4310139**	1	86.00 | 87.00		358262 (250)	360522 (10)	356212 (25)
NWDROWLV_P	LCSD	**4310140**	1	86.00 | 87.00		358262 (250)	360522 (10)	356212 (25)
NWDROWLV_P	PS	**10606561001**	1	86.00 | 87.00	1*		360522 (10)	356212 (25)
NWDROWLV_P	DUP	**4310141**	1	86.00 | 87.00	1*		360522 (10)	356212 (25)
NWDROWLV_P	PS	**10606563001**	1	86.00 | 87.00			360522 (10)	356212 (25)

Sample Notes:

Mon, 23 May 2022 10:25:08 -0500

Prep Log Report

1*: Came in 500mL jar

Standard Notes:

356212: received 03/14/22

360522: Recieved 4/11/22

10606561

275 of 686

300 of 11

Pace Analytical™

Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot: NA

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0509F0000001.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 09:51	TT2	
0509F0000002.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:02	TT2	
0509F0000003.D	DMO-RTM,362402	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:14	TT2	rr pressure leak
0509F0000004.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:35	TT2	
0509F0000005.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:47	TT2	
0509F0000006.D	DMO-RTM,362402	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:59	TT2	
0509F0000007.D	DMO-CAL1,364979	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:10	TT2	
0509F0000008.D	DMO-CAL2,364980	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:22	TT2	
0509F0000009.D	DMO-CAL3,364981	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:33	TT2	Pass 30% for all target analytes
0509F0000010.D	DMO-CAL4,364982	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:45	TT2	Pass 40% for all target analytes
0509F0000011.D	DMO-CAL5,364983	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:56	TT2	Pass 40% for all target analytes
0509F0000012.D	DMO-CAL6,364984	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:08	TT2	
0509F0000013.D	DMO-CAL7,364985	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:20	TT2	
0509F0000014.D	DMO-CAL8,364986	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:31	TT2	
0509F0000015.D	DMO-CAL9,364987	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:43	TT2	
0509F0000016.D	DMO-CAL10,364988	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:54	TT2	ICAL Passing
0509F0000017.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 13:06	TT2	
0509F0000018.D	DMO-ICV,364989	/39289	CCal	1		GCSFAKNW8015-050922_	5/09/22 13:18	TT2	Failing made wrong
0509F0000019.D	PBLK,363301	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 13:29	TT2	
0509F0000020.D	DMO-ICV,355155	/39289	CCal	1		GCSFAKNW8015-050922_	5/09/22 14:13	TT2	possibly conc out.
0509F0000021.D	PBLK,363301	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 14:24	TT2	
0509F0000022.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 14:57	TT2	
0509F0000023.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 15:08	TT2	
0509F0000024.D	DMO-CAL1,364979	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 15:19	TT2	Drop CAL1
0509F0000025.D	DMO-CAL2,364980	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 15:31	TT2	
0509F0000026.D	DMO-CAL3,364981	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 15:43	TT2	Pass 30% for all target analytes
0509F0000027.D	DMO-CAL4,364982	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 15:54	TT2	Pass 40% for all target analytes
0509F0000028.D	DMO-CAL5,364983	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:06	TT2	Pass 40% for all target analytes
0509F0000029.D	DMO-CAL6,364984	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:18	TT2	
0509F0000030.D	DMO-CAL7,364985	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:29	TT2	
0509F0000031.D	DMO-CAL8,364986	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:41	TT2	
0509F0000032.D	DMO-CAL9,364987	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:53	TT2	
0509F0000033.D	DMO-CAL10,364988	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 17:04	TT2	ICAL Passing
0509F0000034.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 17:16	TT2	ran to stabilize baseline
0509F0000035.D	DMO-ICV,365117	/39289	CCal	1		GCSFAKNW8015-050922_	5/09/22 17:27	TT2	Pass 15% for all ranges
0509F0000036.D	PBLK,363301	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 17:39	TT2	Clean

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Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot: NA

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments

Check Maintenance Items Performed:

Changed septum	Clipped column	Changed column - Lot #
Cleaned liner	Changed trap - Lot #	Other minor parts replaced
Replaced/Cleaned gold seal	Cleaned MS Source	No maintenance performed today

Additional Comments:

File Path 1: \\V10WINTARGET\CHEM\10GCSF.I\050922F.B
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Run order verified:

Report Date: 05/10/2022 06:45
Reviewed By/Date:

Pace Analytical™

Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot:

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0511F0000001.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/11/22 13:22	EB3	
0511F0000002.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/11/22 13:34	EB3	
0511F0000003.D	DMO-RTM,365036	/39289	Sample	1		GCSFAKNW8015-050922_	5/11/22 13:45	EB3	
0511F0000004.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 13:56	EB3	Pass 15% for all ranges
0511F0000005.D	4305172	L/39219	Blank	1		GCSFAKNW8015-050922_	5/11/22 14:08	EB3	ok
0511F0000006.D	4305173	L/39219	LCS	1		GCSFAKNW8015-050922_	5/11/22 14:19	EB3	pass
0511F0000007.D	4305174	L/39219	LCSD	1		GCSFAKNW8015-050922_	5/11/22 14:30	EB3	pass
0511F0000008.D	10606016007	L/39219	Sample	1		GCSFAKNW8015-050922_	5/11/22 14:41	EB3	this is a RX OOH result, does not confirm
0511F0000009.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 14:53	EB3	Pass 15% for all ranges
0511F0000010.D	4295310	S/39118	Blank	1		GCSFAKNW8015-050922_	5/11/22 15:04	EB3	ok
0511F0000011.D	10604453006	S/39118	Sample	1		GCSFAKNW8015-050922_	5/11/22 15:15	EB3	confirms failing high, RX
0511F0000012.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 15:27	EB3	Pass 15% for all ranges
0511F0000013.D	4313529	L/39306	Blank	1		GCSFAKNW8015-050922_	5/11/22 15:38	EB3	ok
0511F0000014.D	10607257004	L/39306	Sample	1		GCSFAKNW8015-050922_	5/11/22 15:49	EB3	confirms surr failing low, RX
0511F0000015.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 16:01	EB3	Pass 15% for all ranges
0511F0000016.D	4315536	L/39305	Blank	1		GCSFAKNW8015-050922_	5/11/22 16:12	EB3	ok
0511F0000017.D	10607414002	L/39305	Sample	1		GCSFAKNW8015-050922_	5/11/22 16:23	EB3	confirms surr failing low, RX
0511F0000018.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 16:35	EB3	Pass 15% for all ranges
0511F0000019.D	4316005	S/39301	Blank	1		GCSFAKNW8015-050922_	5/11/22 16:46	EB3	ok
0511F0000020.D	4316006	S/39301	LCS	1		GCSFAKNW8015-050922_	5/11/22 16:57	EB3	pass
0511F0000021.D	10607520001	S/39301	Sample	50		GCSFAKNW8015-050922_	5/11/22 17:09	EB3	
0511F0000022.D	4316061	S/39301	MS	50		GCSFAKNW8015-050922_	5/11/22 17:20	EB3	
0511F0000023.D	4316062	S/39301	MSD	50		GCSFAKNW8015-050922_	5/11/22 17:32	EB3	
0511F0000024.D	10607127001	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 17:43	EB3	
0511F0000025.D	10607127002	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 17:54	EB3	
0511F0000026.D	10607127003	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 18:06	EB3	
0511F0000027.D	10607127004	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 18:17	EB3	
0511F0000028.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 18:28	EB3	Pass 15% for all ranges
0511F0000029.D	4316005	/39309	Sample	1		GCSFAKNW8015-050922_	5/11/22 18:40	EB3	ok
0511F0000030.D	10607365004	S/39309	Sample	100		GCSFAKNW8015-050922_	5/11/22 18:51	EB3	
0511F0000031.D	10607365012	S/39309	Sample	100		GCSFAKNW8015-050922_	5/11/22 19:02	EB3	
0511F0000032.D	10607365006	S/39309	Sample	20		GCSFAKNW8015-050922_	5/11/22 19:14	EB3	
0511F0000033.D	10607365010	S/39309	Sample	100		GCSFAKNW8015-050922_	5/11/22 19:25	EB3	
0511F0000034.D	10606997001	S/39308	Sample	10		GCSFAKNW8015-050922_	5/11/22 19:36	EB3	
0511F0000035.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 19:47	EB3	Pass 15% for all ranges
0511F0000036.D	4316165	L/39327	Blank	1		GCSFAKNW8015-050922_	5/11/22 19:59	EB3	ok
0511F0000037.D	4316166	L/39327	LCS	1		GCSFAKNW8015-050922_	5/11/22 20:10	EB3	pass
0511F0000038.D	4316167	L/39327	LCSD	1		GCSFAKNW8015-050922_	5/11/22 20:21	EB3	pass
0511F0000039.D	10607446001	L/39327	Sample	10		GCSFAKNW8015-050922_	5/11/22 20:33	EB3	rr 1X
0511F0000040.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 20:44	EB3	Pass 15% for all ranges
0511F0000041.D	4310138	L/39317	Blank	1		GCSFAKNW8015-050922_	5/11/22 20:55	EB3	ok
0511F0000042.D	4310139	L/39317	LCS	1		GCSFAKNW8015-050922_	5/11/22 21:07	EB3	pass
0511F0000043.D	4310140	L/39317	LCSD	1		GCSFAKNW8015-050922_	5/11/22 21:18	EB3	pass
0511F0000044.D	10606561001	L/39317	Sample	1		GCSFAKNW8015-050922_	5/11/22 21:29	EB3	
0511F0000045.D	4310141	L/39317	Dupe	1		GCSFAKNW8015-050922_	5/11/22 21:41	EB3	
0511F0000046.D	10606563001	L/39317	Sample	1		GCSFAKNW8015-050922_	5/11/22 21:52	EB3	

Pace Analytical™

Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot:

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0511F0000047.D	DMO-CCV,363721	/39289	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:03	EB3	Pass 15% for all ranges
0511F0000048.D	4316763	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:14	EB3	hit in MB, rr to confirm
0511F0000049.D	4316764	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:26	EB3	rr
0511F0000050.D	4316765	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:37	EB3	|
0511F0000051.D	10607576002	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:48	EB3	|
0511F0000052.D	4316766	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:00	EB3	|
0511F0000053.D	10607576003	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:11	EB3	|
0511F0000054.D	10607576004	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:22	EB3	|
0511F0000055.D	10607576005	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:33	EB3	|
0511F0000056.D	10607576006	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:45	EB3	|
0511F0000057.D	10607576007	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:56	EB3	|
0511F0000058.D	10607576008	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:07	EB3	|
0511F0000059.D	10607576009	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:19	EB3	|
0511F0000060.D	10607576010	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:30	EB3	|
0511F0000061.D	10607576011	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:41	EB3	V
0511F0000062.D	DMO-CCV,363721	/39289	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:52	EB3	Pass 15% for all ranges
0511F0000063.D	4310214	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 01:04	EB3	ok
0511F0000064.D	4310215	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 01:15	EB3	pass
0511F0000065.D	10606565003	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 01:26	EB3	
0511F0000066.D	10606560001	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 01:38	EB3	rr 5X
0511F0000067.D	10606565004	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 01:49	EB3	rr 1X
0511F0000068.D	10606565005	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 02:00	EB3	rr 1X
0511F0000069.D	10606565006	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 02:12	EB3	rr 1X
0511F0000070.D	10606560002	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 02:23	EB3	
0511F0000071.D	10606560003	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 02:34	EB3	
0511F0000072.D	4310216	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 02:45	EB3	
0511F0000073.D	4310217	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 02:57	EB3	
0511F0000074.D	10606565001	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 03:08	EB3	
0511F0000075.D	10606565002	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 03:19	EB3	
0511F0000076.D	DMO-CCV,363721	/39289	Sample	1		GCSFAKNW8015-050922_	5/12/22 03:31	EB3	Pass 15% for all ranges
0511F0000077.D	PBLK,4305172	/	Sample	1		GCSFAKNW8015-050922_	5/12/22 03:42	EB3	clean

Check Maintenance Items Performed:

Changed septum	Clipped column	Changed column - Lot #
Cleaned liner	Changed trap - Lot #	Other minor parts replaced
Replaced/Cleaned gold seal	Cleaned MS Source	No maintenance performed today

Additional Comments:

File Path 1: \\V10WINTARGET\CHEM\10GCSF.I\051122F.B
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Run order verified:

Report Date: 05/12/2022 10:42
Reviewed By/Date:

SAMPLE NO.

EB02-042822-02

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Lab Sample ID: 10606561001 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic	ND	U	ug/L	1	05/17/2022 14:54
7440-43-9	Cadmium	ND	U	ug/L	1	05/17/2022 14:54
7440-47-3	Chromium	0.46	J	ug/L	1	05/17/2022 14:54
7440-50-8	Copper	ND	U	ug/L	1	05/17/2022 14:54
7439-92-1	Lead	0.041	J	ug/L	1	05/17/2022 14:54
7440-02-0	Nickel	ND	U	ug/L	1	05/17/2022 14:54
7782-49-2	Selenium	ND	U	ug/L	1	05/17/2022 14:54
7440-22-4	Silver	0.22	J	ug/L	1	05/17/2022 14:54
7440-66-6	Zinc	ND	U	ug/L	1	05/17/2022 14:54

FORM II INORGANIC-1

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Initial Calibration Verification Source: 366568

Continuing Calibration Verification Source: 366568

Concentration Units: ug/L Instrument ID: 10ICM8

	Initial Calibration Verification				Continuing Calibration Verification						
	05/17/2022 10:53				05/17/2022 11:15			05/17/2022 14:36			Control Limit
Analyte	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	
Arsenic	80	79.0	98.8	90-110	80	79.3	99.1	80	79.1	98.9	90-110
Cadmium	80	81.0	101.3	90-110	80	80.9	101.2	80	79.2	99.0	90-110
Chromium	80	83.5	104.4	90-110	80	83.1	103.9	80	83.3	104.2	90-110
Copper	80	85.7	107.1	90-110	80	85.9	107.4	80	86.2	107.7	90-110
Lead	80	82.7	103.4	90-110	80	82.0	102.5	80	84.2	105.2	90-110
Nickel	80	83.9	104.9	90-110	80	83.6	104.6	80	84.6	105.7	90-110
Selenium	80	80.2	100.2	90-110	80	78.6	98.2	80	80.1	100.2	90-110
Silver	40	41.2	103.0	90-110	40	41.2	103.1	40	40.4	101.0	90-110
Zinc	80	82.3	102.9	90-110	80	82.1	102.7	80	81.8	102.2	90-110

FORM II INORGANIC-2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Initial Calibration Verification Source:

Continuing Calibration Verification Source: 366568

Concentration Units: ug/L Instrument ID: 10ICM8

	Continuing Calibration Verification			
	05/17/2022 15:16			Control Limit
Analyte	True	Found	%R	
Arsenic	80	78.4	98.0	90-110
Cadmium	80	79.1	98.9	90-110
Chromium	80	81.4	101.8	90-110
Copper	80	85.1	106.3	90-110
Lead	80	81.5	101.8	90-110
Nickel	80	82.9	103.7	90-110
Selenium	80	78.8	98.5	90-110
Silver	40	40.0	100.0	90-110
Zinc	80	80.5	100.6	90-110

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

CRDL Check Standard Source: 366567 Analysis Date/Time: 05/17/2022 11:04

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Arsenic	0.5	0.50	99.0	80-120
Cadmium	0.08	0.086	107.5	80-120
Chromium	2.0	2.1	104.4	80-120
Copper	1.0	1.1	110.6	80-120
Lead	0.5	0.52	103.6	80-120
Nickel	0.5	0.45	89.6	80-120
Selenium	0.5	0.49	97.8	80-120
Silver	0.5	0.45	90.0	80-120
Zinc	5.0	5.1	102.6	80-120

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

CRDL Check Standard Source: 366567 Analysis Date/Time: 05/17/2022 14:44

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Arsenic	0.5	0.50	100.0	80-120
Cadmium	0.08	0.077	96.2	80-120
Chromium	2.0	2.1	104.0	80-120
Copper	1.0	1.1	109.0	80-120
Lead	0.5	0.51	101.8	80-120
Nickel	0.5	0.43	85.8	80-120
Selenium	0.5	0.50	100.8	80-120
Silver	0.5	0.50	101.0	80-120
Zinc	5.0	5.0	101.0	80-120

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract : D3593500

Method Blank Matrix: Water Instrument ID: 10ICM8

Method Blank Concentration Units: ug/L

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Method Blank	
	05/17/2022 11:00	C	05/17/2022 11:18	C	05/17/2022 14:40	C	05/17/2022 15:19	C	4310637	C
Arsenic	0.083	U	0.083	U	0.083	U	0.083	U	ND	U
Cadmium	0.016	U	0.016	U	0.016	U	0.016	U	ND	U
Chromium	0.25	U	0.25	U	0.25	U	0.25	U	ND	U
Copper	0.50	U	0.50	U	0.50	U	0.50	U	ND	U
Lead	0.028	U	0.028	U	0.028	U	0.028	U	ND	U
Nickel	0.17	U	0.17	U	0.17	U	0.17	U	ND	U
Selenium	0.067	U	0.067	U	0.067	U	0.067	U	ND	U
Silver	0.16	U	0.24	J	0.20	J	0.21	J	ND	U
Zinc	2.0	U	2.0	U	2.0	U	2.0	U	ND	U

FORM IV INORGANIC-1
INTERFERENCE CHECK SAMPLE

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Instrument ID: 10ICM8 Solution A Run Date: 05/17/2022 11:07

ICS Source: 366566,366565 Solution AB Run Date: 05/17/2022 11:11

Concentration Units: ug/L

Analyte	True		Found				
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Limits
Aluminum	25000	27500	25489.273	102	27294.995	99.3	80-120
Arsenic		100	0.047		102.4	102.4	80-120
Cadmium		100	-0.025		101.509	101.5	80-120
Calcium	25000	27500	25434.813	101.7	27399.74	99.6	80-120
Chromium		100	0.239		103.907	103.9	80-120
Copper		100	0.073		103.213	103.2	80-120
Iron	25000	26250	26291.77	105.2	26648.18	101.5	80-120
Lead		100	0.014		100.193	100.2	80-120
Magnesium	25000	27500	25841.628	103.4	27542.666	100.2	80-120
Molybdenum	500	600	537.052	107.4	611.533	101.9	80-120
Nickel		100	-0.016		105.84	105.8	80-120
Potassium	25000	27500	25907.814	103.6	27745.454	100.9	80-120
Selenium		100	0.041		102.928	102.9	80-120
Silver		50	0.036		50.265	100.5	80-120
Sodium	25000	27500	26334.755	105.3	27980.91	101.7	80-120
Titanium	500	600	490.304	98.1	577.397	96.2	80-120
Zinc		100	0.145		103.246	103.2	80-120

SAMPLE NO.

4310639MS

FORM V INORGANIC-1

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Matrix: Water Basis: Wet Parent Sample ID: EB02-042822-02

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Arsenic	ug/L	75-125	102	ND	100	102
Cadmium	ug/L	75-125	104	ND	100	104
Chromium	ug/L	75-125	109	0.46J	100	108
Copper	ug/L	75-125	109	ND	100	109
Lead	ug/L	75-125	110	0.041J	100	110
Nickel	ug/L	75-125	111	ND	100	111
Selenium	ug/L	75-125	102	ND	100	102
Silver	ug/L	75-125	52.1	0.22J	50.0	104
Zinc	ug/L	75-125	111	ND	100	109

SAMPLE NO.

4310640MSD

FORM V INORGANIC-2

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Matrix: Water Basis: Wet Parent Sample ID: EB02-042822-02

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Arsenic	ug/L	75-125	102	ND	100	102
Cadmium	ug/L	75-125	107	ND	100	107
Chromium	ug/L	75-125	110	0.46J	100	109
Copper	ug/L	75-125	110	ND	100	110
Lead	ug/L	75-125	111	0.041J	100	111
Nickel	ug/L	75-125	112	ND	100	112
Selenium	ug/L	75-125	103	ND	100	103
Silver	ug/L	75-125	53.0	0.22J	50.0	106
Zinc	ug/L	75-125	109	ND	100	107

SAMPLE NO.

4312121PDS

FORM V INORGANIC-1

POST-DIGESTION SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Matrix: Water Parent Sample ID: EB02-042822-02

Analyte	Units	Control Limit %R	DF	Spiked Sample Result (SSR)	DF	Sample Result (SR)	Spike Added (SA)	%R
Arsenic	ug/L	80-120	1	80.8	1	0.083U	80	101.0
Cadmium	ug/L	80-120	1	82.1	1	0.016U	80	102.7
Chromium	ug/L	80-120	1	86.0	1	0.46J	80	107.0
Copper	ug/L	80-120	1	87.4	1	0.50U	80	109.3
Lead	ug/L	80-120	1	84.4	1	0.041J	80	105.5
Nickel	ug/L	80-120	1	86.3	1	0.17U	80	107.9
Selenium	ug/L	80-120	1	81.2	1	0.067U	80	101.5
Silver	ug/L	80-120	1	42.0	1	0.22J	40	104.6
Zinc	ug/L	80-120	1	84.6	1	2.0U	80	105.7

SAMPLE NO.

4310640MSD

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Matrix: Water Concentration Units: ug/L

Percent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Arsenic	20	102	102	0
Cadmium	20	104	107	2
Chromium	20	109	110	1
Copper	20	109	110	1
Lead	20	110	111	1
Nickel	20	111	112	1
Selenium	20	102	103	2
Silver	20	52.1	53.0	2
Zinc	20	111	109	1

SAMPLE NO.

4310638LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Arsenic	ug/L	100	103	103	80	120
Cadmium	ug/L	100	106	106	80	120
Chromium	ug/L	100	110	110	80	120
Copper	ug/L	100	111	111	80	120
Lead	ug/L	100	110	110	80	120
Nickel	ug/L	100	112	112	80	120
Selenium	ug/L	100	106	106	80	120
Silver	ug/L	50.0	52.3	105	80	120
Zinc	ug/L	100	109	109	80	120

SAMPLE NO.

4312122SD

FORM VIII INORGANIC-1
SERIAL DILUTIONS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Matrix: Water Parent Sample ID: EB02-042822-02

Analyte	Units	Initial Sample Result	Serial Dilution Result	% Difference	Control Limit %D
Arsenic	ug/L	0.083U	0.41U		10
Cadmium	ug/L	0.016U	0.080U		10
Chromium	ug/L	0.46J	1.2U		10
Copper	ug/L	0.50U	3.6J		10
Lead	ug/L	0.041J	0.22J	424.4*	10
Nickel	ug/L	0.17U	0.86U		10
Selenium	ug/L	0.067U	0.33U		10
Silver	ug/L	0.22J	1.0J	361.4*	10
Zinc	ug/L	2.0U	9.8U		10

* Indicates that the % Difference exceeds the control limit.
No difference is calculated if either result is a non-detect.

FORM IX INORGANIC-1

INSTRUMENT DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Preparation Method: None Instrument ID: 10ICM8

Concentration Units: ug/L

Analyte	PQL	IDL	IDL Date
Arsenic	0.50	0.083	04/01/2022
Cadmium	0.080	0.016	04/01/2022
Chromium	2.0	0.25	04/01/2022
Copper	1.0	0.50	04/01/2022
Lead	0.50	0.028	04/01/2022
Nickel	0.50	0.17	04/01/2022
Selenium	0.50	0.067	04/01/2022
Silver	0.50	0.16	04/01/2022
Zinc	5.0	2.0	04/01/2022

FORM IX INORGANIC-2
METHOD DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Preparation Method: EPA 3020A Instrument ID: 10ICM8

Concentration Units: ug/L

Analyte	PQL	MDL	MDL Date
Arsenic	0.50	0.083	07/19/2021
Cadmium	0.080	0.016	07/19/2021
Chromium	2.0	0.25	07/19/2021
Copper	1.0	0.50	07/19/2021
Lead	0.50	0.028	07/19/2021
Nickel	0.50	0.17	07/19/2021
Selenium	0.50	0.067	07/19/2021
Silver	0.50	0.16	07/19/2021
Zinc	5.0	2.0	07/19/2021

FORM XI - INORGANIC-1
LINEAR DYNAMIC RANGES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract : D3593500

Instrument ID: 10ICM8 Effective Date:09/12/2021

Analyte	Concentration (ug/L)
Arsenic	450
Cadmium	450
Chromium	450
Copper	450
Lead	450
Nickel	450
Selenium	450
Silver	100
Zinc	450

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Preparation Method: EPA 3020A Batch: MPRP 124002

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
4310637	4310637	05/04/2022	25	25
4310638	4310638	05/04/2022	25	25
4310639	4310639	05/04/2022	25	25
4310640	4310640	05/04/2022	25	25
10606561001	EB02-042822-02	05/04/2022	25	25

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Instrument ID: 10ICM8 Analysis Method: EPA 6020B

Start Date: 05/17/2022 10:22 End Date: 05/17/2022 15:19

Sample Name	Lab Sample ID	D/F	Date	Time	Ag	As	Cd	Cr	Cu	Ni	Pb	Se	Zn
30002016CAL0	30002016CAL0	1	05/17/2022	10:22	X	X	X	X	X	X	X	X	X
30002018CAL1	30002018CAL1	1	05/17/2022	10:26	X	X	X	X	X	X	X	X	X
30002019CAL2	30002019CAL2	1	05/17/2022	10:30	X	X	X	X	X	X	X	X	X
30002020CAL3	30002020CAL3	1	05/17/2022	10:34	X	X	X	X	X	X	X	X	X
30002021CAL4	30002021CAL4	1	05/17/2022	10:38	X	X	X	X	X	X	X	X	X
30002022CAL5	30002022CAL5	1	05/17/2022	10:42	X	X	X	X	X	X	X	X	X
30002023CAL6	30002023CAL6	1	05/17/2022	10:46	X	X	X	X	X	X	X	X	X
30002024CAL7	30002024CAL7	1	05/17/2022	10:49	X	X	X	X	X	X	X	X	X
30002025ICV	30002025ICV	1	05/17/2022	10:53	X	X	X	X	X	X	X	X	X
30002026ICB	30002026ICB	1	05/17/2022	11:00	X	X	X	X	X	X	X	X	X
30002027CRDL	30002027CRDL	1	05/17/2022	11:04	X	X	X	X	X	X	X	X	X
30002028ICSA	30002028ICSA	1	05/17/2022	11:07	X	X	X	X	X	X	X	X	X
30002029ICSAB	30002029ICSAB	1	05/17/2022	11:11	X	X	X	X	X	X	X	X	X
30002030CCV	30002030CCV	1	05/17/2022	11:15	X	X	X	X	X	X	X	X	X
30002032CCB	30002032CCB	1	05/17/2022	11:18	X	X	X	X	X	X	X	X	X
30002080CCV	30002080CCV	1	05/17/2022	14:36	X	X	X	X	X	X	X	X	X
30002081CCB	30002081CCB	1	05/17/2022	14:40	X	X	X	X	X	X	X	X	X
30002082CRDL	30002082CRDL	1	05/17/2022	14:44	X	X	X	X	X	X	X	X	X
4310637BLANK	4310637	1	05/17/2022	14:47	X	X	X	X	X	X	X	X	X
4310638LCS	4310638	1	05/17/2022	14:51	X	X	X	X	X	X	X	X	X
EB02-042822-02	10606561001	1	05/17/2022	14:54	X	X	X	X	X	X	X	X	X
4312121PDS	4312121	1	05/17/2022	14:58	X	X	X	X	X	X	X	X	X
4312122SD	4312122	5	05/17/2022	15:02	X	X	X	X	X	X	X	X	X
4310639MS	4310639	1	05/17/2022	15:05	X	X	X	X	X	X	X	X	X
4310640MSD	4310640	1	05/17/2022	15:09	X	X	X	X	X	X	X	X	X
30002083CCV	30002083CCV	1	05/17/2022	15:16	X	X	X	X	X	X	X	X	X
30002084CCB	30002084CCB	1	05/17/2022	15:19	X	X	X	X	X	X	X	X	X

US EPA 200.8/6020 Tune Check Report

Acq/Data Batch	D:\DATA\051722.b
Report Comment	ICMC RJS
Instrument Name	G8403A SG19304531

[He]

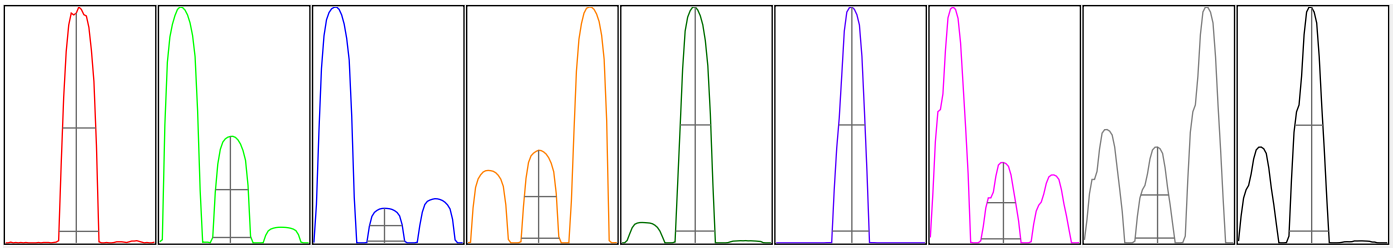
Sensitivity

Mass	Count	RSD%	RSD%(Rqd)	RSD%(Flag)
9	81	2.151	5.000	
24	41051	1.157	5.000	
25	6011	1.219	5.000	
26	7529	1.089	5.000	
59	20729	0.464	5.000	
115	490448	0.706	5.000	
206	10013	0.842	5.000	
207	8427	0.669	5.000	
208	20679	0.852	5.000	

Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
83	80	81	84	80
41798	41251	40747	40769	40688
6110	6031	6008	6003	5905
7629	7584	7539	7442	7450
20609	20698	20686	20802	20850
487575	485927	492351	493715	492674
9928	9985	9986	10011	10153
8333	8421	8461	8442	8477
20536	20468	20696	20813	20881

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)	W-5%	W-5% (Required)	W-5% (Flag)
9	126.31	8.95	8.90 - 9.10		0.788	0.900	
24	65849.22	23.95	23.90 - 24.10		0.758	0.900	
25	9657.64	24.95	24.90 - 25.10		0.745	0.900	
26	12347.03	25.95	25.90 - 26.10		0.758	0.900	
59	35417.64	59.00	58.90 - 59.10		0.780	0.900	
115	941779.23	115.05	114.90 - 115.10		0.731	0.900	
206	19036.62	206.00	205.90 - 206.10		0.784	0.900	
207	16100.90	207.00	206.90 - 207.10		0.781	0.900	
208	39512.86	208.00	207.90 - 208.10		0.783	0.900	

Integration Time [sec] 0.1 Acquisition Time [sec] 212.5 Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.78 L/min	Dilution Gas	0.15 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.20 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	7.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	13.8 V	Deflect	1.6 V
Extract 2	-240.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-115 V	Cell Exit	-70 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V
He Flow	4.5 mL/min	OctP Bias	-18.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

US EPA 200.8/6020 Tune Check Report

Acq/Data Batch	D:\DATA\051722.b
Report Comment	ICMC RJS
Instrument Name	G8403A SG19304531

[H2]

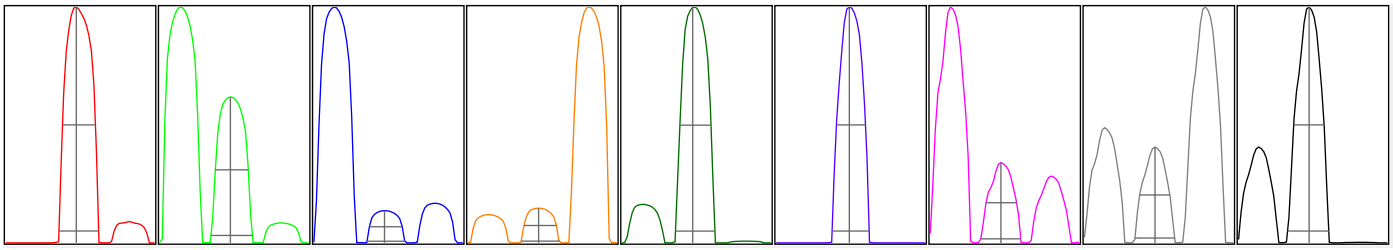
Sensitivity

Mass	Count	RSD%	RSD%(Rqd)	RSD%(Flag)
9	942	1.213	5.000	
24	376904	0.376	5.000	
25	51167	0.415	5.000	
26	62303	0.460	5.000	
59	26931	0.357	5.000	
115	1469287	0.889	5.000	
206	17443	0.735	5.000	
207	14398	0.780	5.000	
208	35691	1.096	5.000	

Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
926	938	954	953	941
374672	377126	376913	378618	377190
50823	51229	51228	51153	51400
61844	62215	62411	62504	62542
26800	26865	26976	27039	26973
1449352	1464491	1472570	1483298	1476727
17283	17339	17477	17536	17582
14244	14339	14411	14534	14465
35419	35472	35391	36295	35877

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)	W-5%	W-5% (Required)	W-5% (Flag)
9	1516.84	8.95	8.90 - 9.10		0.787	0.900	
24	604519.47	23.95	23.90 - 24.10		0.824	0.900	
25	82584.96	24.95	24.90 - 25.10		0.753	0.900	
26	101534.72	25.95	25.90 - 26.10		0.765	0.900	
59	45163.80	58.95	58.90 - 59.10		0.782	0.900	
115	2685040.69	115.00	114.90 - 115.10		0.735	0.900	
206	31406.34	205.95	205.90 - 206.10		0.792	0.900	
207	26114.10	206.95	206.90 - 207.10		0.787	0.900	
208	64264.05	207.95	207.90 - 208.10		0.818	0.900	

Integration Time [sec] 0.1 Acquisition Time [sec] 212.5 Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.78 L/min	Dilution Gas	0.15 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.20 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	7.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	14.1 V	Deflect	2.4 V
Extract 2	-245.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-115 V	Cell Exit	-70 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V
He Flow	0.0 mL/min	OctP Bias	-18.0 V		
H2 Flow	3.5 mL/min	OctP RF	200 V		

FORM XV INORGANIC-1

INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

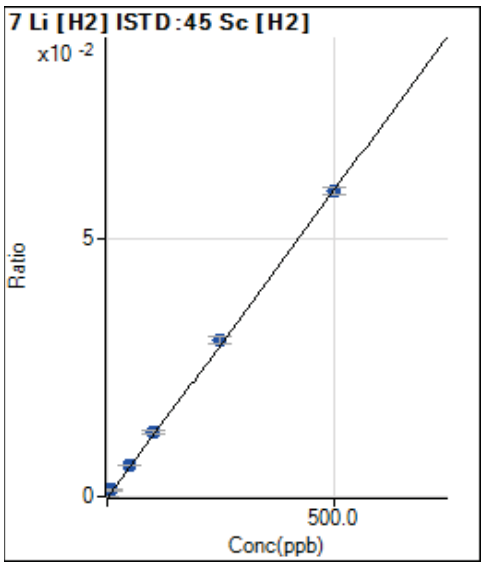
Instrument ID: 10ICM8 Start Date: 05/17/2022 10:22 End Date: 05/17/2022 15:19

Sample Name	Time	GE-72	Ge-72-IS1	In-115	Ir-193-IS	Sc-45-IS	Sc-45-IS1	Tb-159
30002016CAL0	10:22	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30002018CAL1	10:26	100.5	100.2	99.1	99.2	100.2	99.4	100.2
30002019CAL2	10:30	101.0	99.6	99.6	99.7	101.0	99.7	100.1
30002020CAL3	10:34	99.9	97.0	95.0	95.3	98.3	95.5	96.7
30002021CAL4	10:38	101.7	98.0	97.4	96.6	100.0	97.5	97.9
30002022CAL5	10:42	102.0	98.6	97.0	94.5	101.4	98.5	97.0
30002023CAL6	10:46	101.7	97.6	95.1	96.7	102.6	96.8	100.5
30002024CAL7	10:49	99.4	97.4	93.5	93.9	101.0	96.4	98.1
30002025ICV	10:53	104.0	101.1	99.9	100.3	102.4	101.3	101.4
30002026ICB	11:00	101.6	102.4	101.2	101.9	102.8	102.5	102.5
30002027CRDL	11:04	102.1	103.8	101.6	102.2	103.2	104.2	103.1
30002028ICSA	11:07	98.5	98.6	96.5	98.6	100.8	97.4	100.5
30002029ICSAB	11:11	101.8	100.5	97.2	99.3	103.4	99.9	101.5
30002030CCV	11:15	104.2	103.8	101.1	102.1	103.3	104.0	103.2
30002032CCB	11:18	103.1	105.5	103.2	104.3	104.2	105.3	104.5
30002080CCV	14:36	90.9	90.4	91.7	94.5	91.4	91.0	94.7
30002081CCB	14:40	92.2	93.8	94.9	96.8	93.1	94.2	97.4
30002082CRDL	14:44	92.2	93.5	94.3	97.0	92.8	93.6	97.5
4310637	14:47	88.6	93.2	91.9	95.0	90.5	94.1	94.0
4310638	14:51	90.6	90.3	90.4	94.7	90.4	90.7	95.0
EB02-042822-02	14:54	91.6	93.9	94.5	97.7	93.4	95.3	97.5
4312121	14:58	92.1	92.1	92.4	95.5	92.2	92.2	96.2
4312122	15:02	92.8	94.9	95.1	98.0	93.7	95.3	98.0
4310639	15:05	92.6	91.5	91.7	94.6	92.8	91.7	95.3
4310640	15:09	93.7	92.9	90.6	94.3	92.4	93.2	95.5
30002083CCV	15:16	92.7	92.8	92.8	93.9	93.4	92.8	95.7
30002084CCB	15:19	93.3	95.1	95.9	98.5	94.8	95.2	98.2

Calibration for 247_CCV.d

Batch Folder:	C:\Agilent\ICPMH\1\DATA\051722.b\
Analysis File:	051722.batch.bin
DA Date-Time:	5/18/2022 08:59:15
Calibration Title:	
Calibration Method:	External Calibration
VIS Interpolation Fit:	

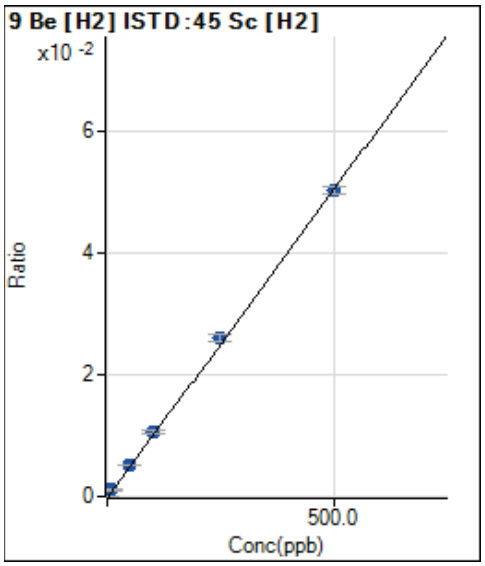
Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	CAL 0	5/17/2022 10:22:58
2	005CALS.d	CAL 1	5/17/2022 10:26:50
3	006CALS.d	CAL 2	5/17/2022 10:30:44
4	007CALS.d	CAL 3	5/17/2022 10:34:37
5	008CALS.d	CAL 4	5/17/2022 10:38:28
6	009CALS.d	CAL 5	5/17/2022 10:42:16
7	010CALS.d	CAL 6	5/17/2022 10:46:02
8	011CALS.d	CAL 7	5/17/2022 10:49:49



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	69.17	0.0000	P	22.8	
2	☐	0.500	0.510	473.34	0.0001	P	5.3	2.0
3	☐	10.000	10.517	8438.22	0.0013	P	4.3	5.2
4	☐	50.000	50.520	38592.54	0.0060	P	4.2	1.0
5	☐	100.000	104.430	81383.47	0.0124	P	4.6	4.4
6	☐	250.000	255.070	200641.93	0.0304	P	5.1	2.0
7	☐	500.000	496.517	383640.42	0.0591	P	2.1	-0.7
8	☐			248.17	0.0000	P	4.8	

y = 1.1903E-004 * x + 1.0268E-005
R = 0.9999
DL = 0.05906 ppb
BEC = 0.08627 ppb

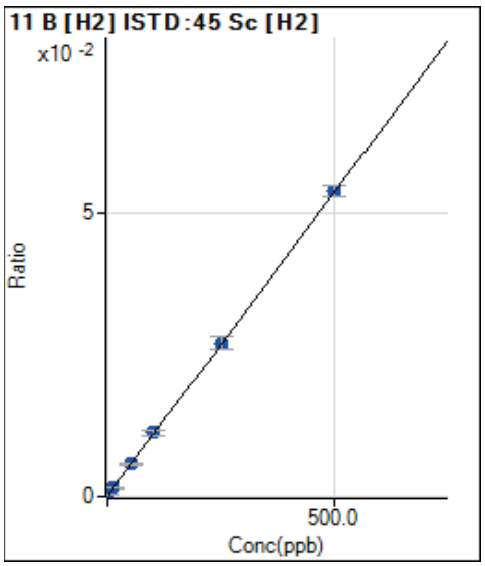
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.50	0.0000	P	33.1	
2	☐	0.200	0.203	143.50	0.0000	P	5.4	1.3
3	☐	10.000	10.644	7229.56	0.0011	P	4.4	6.4
4	☐	50.000	50.972	33163.51	0.0052	P	4.7	1.9
5	☐	100.000	105.027	69748.70	0.0107	P	4.5	5.0
6	☐	250.000	255.741	171510.96	0.0260	P	4.8	2.3
7	☐	500.000	496.014	326794.43	0.0504	P	2.1	-0.8
8	☐			62.67	0.0000	P	18.6	

y = 1.0151E-004 * x + 9.6711E-007
R = 0.9999
DL = 0.009453 ppb
BEC = 0.009527 ppb

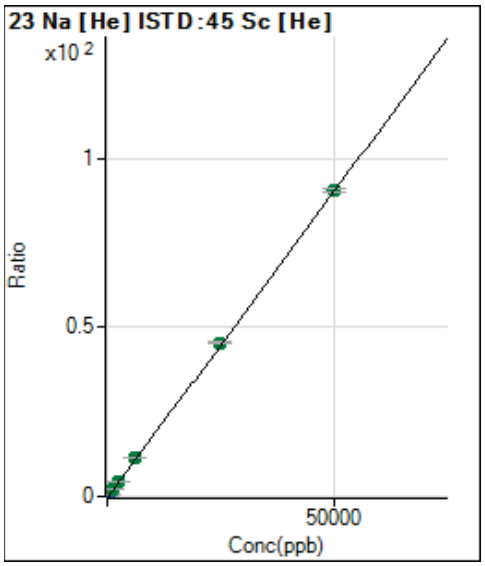
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3083.67	0.0005	P	5.1	
2	☐	10.000	9.610	9899.48	0.0015	P	5.5	-3.9
3	☐	10.000	10.680	10696.58	0.0016	P	7.5	6.8
4	☐	50.000	48.995	36426.04	0.0057	P	4.2	-2.0
5	☐	100.000	101.565	73913.60	0.0113	P	7.9	1.6
6	☐	250.000	249.172	178707.10	0.0270	P	7.6	-0.3
7	☐	500.000	500.196	349388.76	0.0538	P	3.3	0.0
8	☐			4270.56	0.0007	P	3.3	

y = 1.0665E-004 * x + 4.5964E-004
R = 1.0000
DL = 0.6569 ppb
BEC = 4.31 ppb

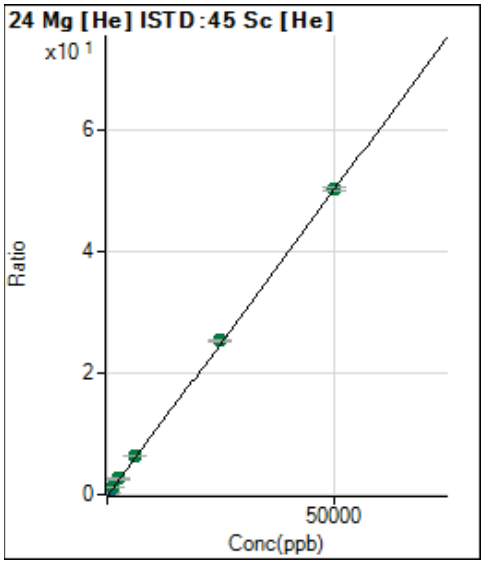
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	18053.87	0.0165	P	1.0	
2	☐	50.000	52.481	122286.07	0.1116	P	1.4	5.0
3	☐	250.000	255.511	529470.49	0.4793	P	0.7	2.2
4	☐	1250.000	1234.556	2422409.39	2.2528	A	1.5	-1.2
5	☐	2500.000	2543.817	5056242.11	4.6243	A	0.4	1.8
6	☐	6250.000	6267.854	12604726.89	11.3700	A	0.6	0.3
7	☐	25000.00	25040.95	50911537.57	45.3754	A	1.6	0.2
8	☐	50000.00	49975.45	99984215.18	90.5415	A	1.4	0.0

y = 0.0018 * x + 0.0165
R = 1.0000
DL = 0.2704 ppb
BEC = 9.114 ppb

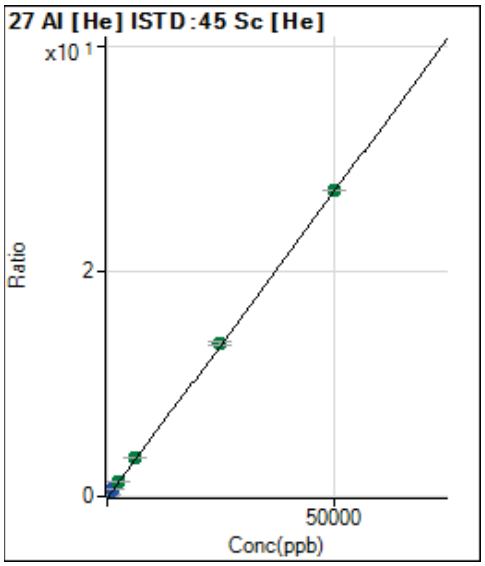
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3605.38	0.0033	P	1.1	
2	☐	30.000	32.411	39356.86	0.0359	P	0.6	8.0
3	☐	250.000	259.224	291743.64	0.2641	P	0.9	3.7
4	☐	1250.000	1235.500	1340299.09	1.2464	A	1.6	-1.2
5	☐	2500.000	2557.423	2817140.48	2.5765	A	1.1	2.3
6	☐	6250.000	6251.566	6976960.52	6.2936	A	0.4	0.0
7	☐	25000.00	25129.06	28373874.58	25.2879	A	1.1	0.5
8	☐	50000.00	49932.71	55485204.17	50.2450	A	1.8	-0.1

y = 0.0010 * x + 0.0033
R = 1.0000
DL = 0.1124 ppb
BEC = 3.276 ppb

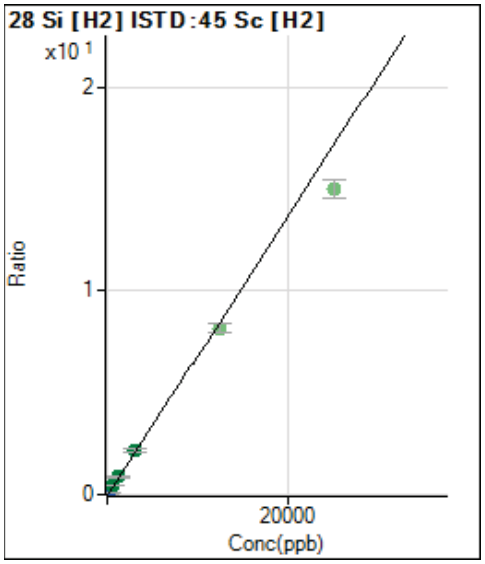
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	256.67	0.0002	P	15.7	
2	☐	30.000	31.688	19184.22	0.0175	P	1.9	5.6
3	☐	250.000	255.376	153972.29	0.1394	P	0.5	2.2
4	☐	1250.000	1242.031	728078.84	0.6771	P	0.9	-0.6
5	☐	2500.000	2531.583	1508685.62	1.3798	A	0.7	1.3
6	☐	6250.000	6204.707	3748680.67	3.3815	A	0.3	-0.7
7	☐	25000.00	25014.01	15294900.67	13.6317	A	1.4	0.1
8	☐	50000.00	49997.24	30089264.00	27.2464	A	0.5	0.0

y = 5.4495E-004 * x + 2.3467E-004
R = 1.0000
DL = 0.2033 ppb
BEC = 0.4306 ppb

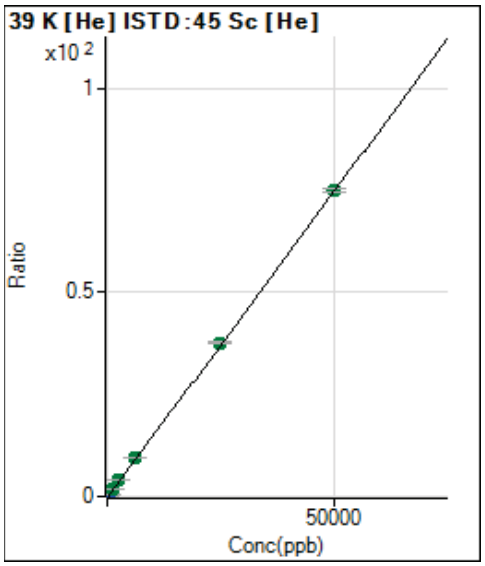
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12742.45	0.0019	P	4.1	
2	☐	100.000	104.475	493267.04	0.0739	P	7.6	4.5
3	☐	125.000	131.092	617451.94	0.0923	P	6.3	4.9
4	☐	625.000	616.412	2736828.42	0.4270	A	5.5	-1.4
5	☐	1250.000	1281.165	5794289.33	0.8854	A	6.5	2.5
6	☐	3125.000	3113.865	14208806.00	2.1492	A	8.3	-0.4
7	☑	12500.00		53092864.00	8.1686	A	5.8	
8	☑	25000.00		97008416.00	14.9922	A	6.1	

y = 6.8959E-004 * x + 0.0019
R = 0.9999
DL = 0.3349 ppb
BEC = 2.754 ppb

Weight: <None>
Min Conc: <None>

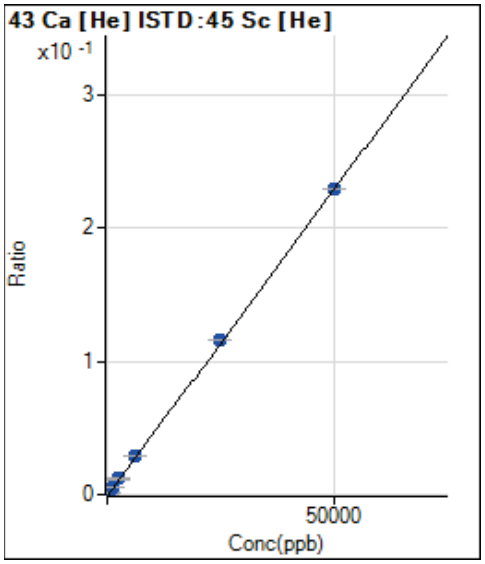


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	133774.35	0.1223	P	0.6	
2	☐	100.000	109.550	313989.21	0.2865	P	0.7	9.6
3	☐	250.000	259.843	565151.04	0.5117	P	2.0	3.9
4	☐	1250.000	1231.765	2116340.54	1.9681	A	1.0	-1.5
5	☐	2500.000	2541.860	4298345.35	3.9313	A	1.3	1.7
6	☐	6250.000	6257.129	10529996.09	9.4986	A	0.5	0.1
7	☐	25000.00	25072.46	42293527.70	37.6932	A	1.1	0.3
8	☐	50000.00	49961.17	82811398.76	74.9887	A	0.8	-0.1

y = 0.0015 * x + 0.1223
R = 1.0000
DL = 1.349 ppb
BEC = 81.63 ppb

Weight: <None>
Min Conc: <None>

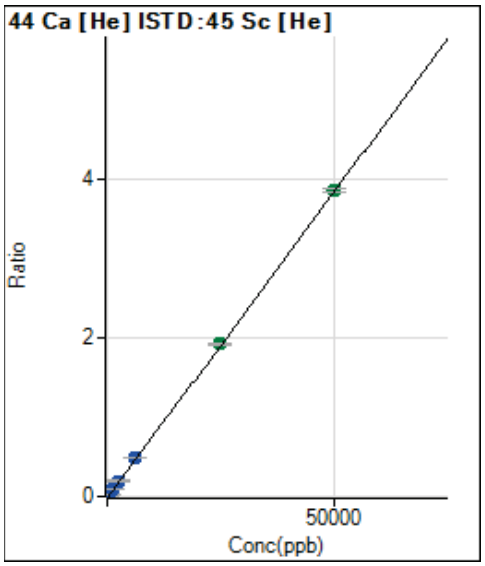
Calibration for 247_CCV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	10.82	0.0000	P	30.1	
2	☐	100.000	105.364	542.25	0.0005	P	0.8	5.4
3	☐	250.000	248.158	1272.29	0.0012	P	0.8	-0.7
4	☐	1250.000	1237.779	6135.60	0.0057	P	0.3	-1.0
5	☐	2500.000	2563.429	12908.26	0.0118	P	1.8	2.5
6	☐	6250.000	6311.144	32206.45	0.0291	P	0.4	1.0
7	☐	25000.00	25252.85	130397.99	0.1162	P	1.0	1.0
8	☐	50000.00	49863.06	253405.06	0.2295	P	0.5	-0.3

y = 4.6017E-006 * x + 9.8930E-006
R = 1.0000
DL = 1.944 ppb
BEC = 2.15 ppb

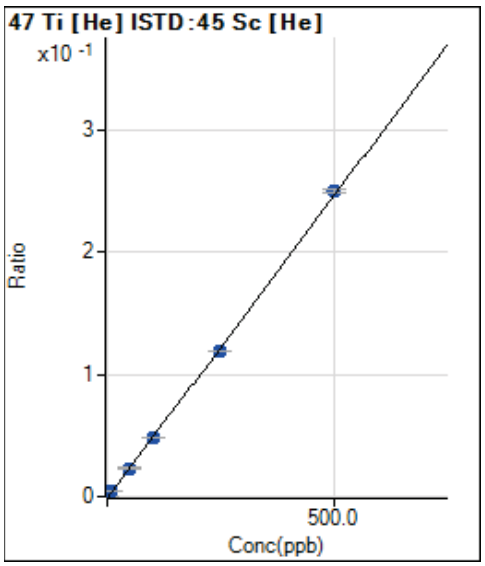
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	189.57	0.0002	P	34.5	
2	☐	100.000	103.541	8935.44	0.0082	P	0.9	3.5
3	☐	250.000	247.297	21243.89	0.0192	P	4.4	-1.1
4	☐	1250.000	1216.867	101018.53	0.0939	P	2.2	-2.7
5	☐	2500.000	2549.516	215008.82	0.1966	P	0.9	2.0
6	☐	6250.000	6304.642	538788.70	0.4860	P	2.1	0.9
7	☐	25000.00	24877.78	2151164.92	1.9173	A	1.7	-0.5
8	☐	50000.00	50052.63	4259964.84	3.8573	A	1.1	0.1

y = 7.7061E-005 * x + 1.7340E-004
R = 1.0000
DL = 2.326 ppb
BEC = 2.25 ppb

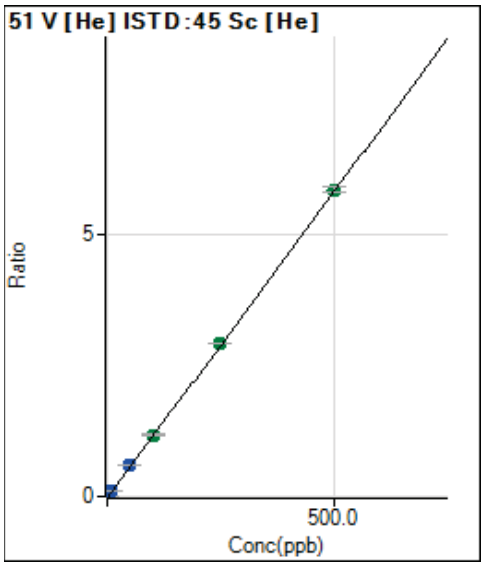
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	124.	
2	☐	1.000	0.981	534.68	0.0005	P	9.9	-1.9
3	☐	10.000	9.731	5313.45	0.0048	P	1.4	-2.7
4	☐	50.000	47.111	25030.50	0.0233	P	0.7	-5.8
5	☐	100.000	97.258	52538.64	0.0481	P	0.9	-2.7
6	☐	250.000	240.557	131748.33	0.1188	P	1.1	-3.8
7	☐	500.000	505.564	280248.62	0.2498	P	0.8	1.1
8	☐			1124.04	0.0010	P	1.5	

y = 4.9403E-004 * x + 3.0424E-006
R = 0.9997
DL = 0.02307 ppb
BEC = 0.006158 ppb

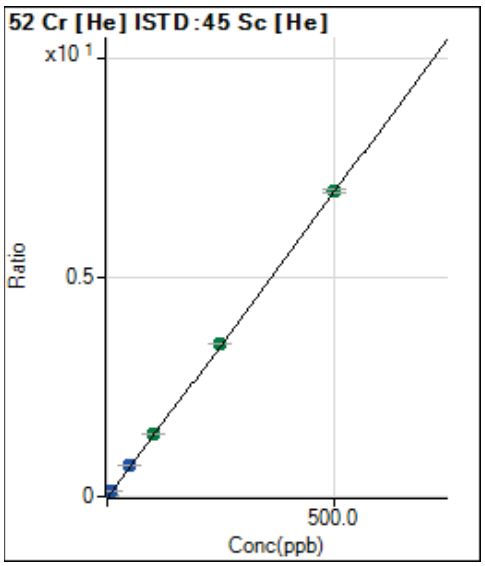
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-1823.94	-0.0017	P	-47.5	
2	☐	1.000	1.072	11902.57	0.0109	P	1.8	7.2
3	☐	10.000	10.217	130044.44	0.1177	P	2.9	2.2
4	☐	50.000	50.623	634443.47	0.5900	P	1.2	1.2
5	☐	100.000	100.862	1287103.30	1.1772	A	1.1	0.9
6	☐	250.000	249.463	3230433.53	2.9140	A	0.7	-0.2
7	☐	500.000	500.029	6555303.21	5.8426	A	1.8	0.0
8	☐			-1668.19	-0.0015	P	-70.5	

y = 0.0117 * x - 0.0017
R = 1.0000
DL = 0.2032 ppb
BEC = -0.1426 ppb

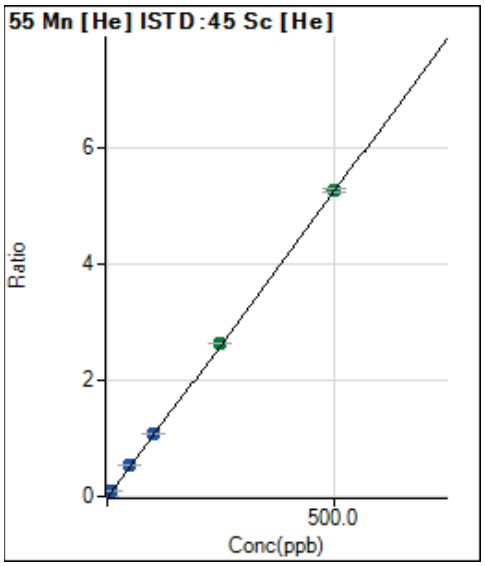
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	581.34	0.0005	P	8.0	
2	☐	2.000	2.095	32665.32	0.0298	P	0.8	4.8
3	☐	10.000	10.392	160933.08	0.1457	P	1.2	3.9
4	☐	50.000	50.866	764730.23	0.7112	P	0.9	1.7
5	☐	100.000	102.033	1559173.50	1.4260	A	0.6	2.0
6	☐	250.000	249.183	3859851.83	3.4818	A	0.4	-0.3
7	☐	500.000	499.907	7836676.50	6.9846	A	1.6	0.0
8	☐			2836.90	0.0026	P	4.3	

y = 0.0140 * x + 5.3152E-004
R = 1.0000
DL = 0.009099 ppb
BEC = 0.03805 ppb

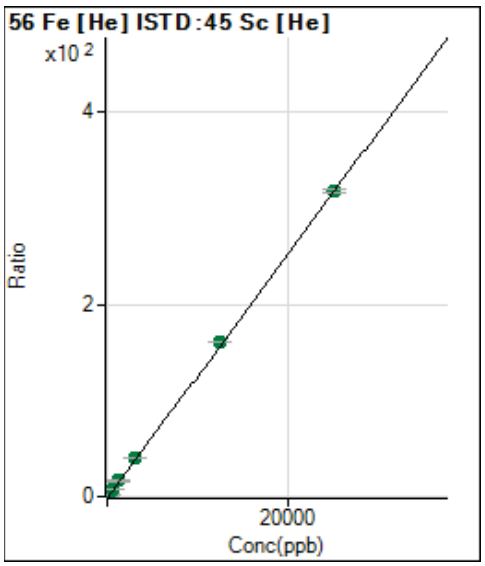
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	973.36	0.0009	P	5.3	
2	☐	0.500	0.521	6998.71	0.0064	P	2.4	4.1
3	☐	10.000	10.346	121596.97	0.1101	P	0.7	3.5
4	☐	50.000	50.615	575417.65	0.5351	P	1.4	1.2
5	☐	100.000	102.832	1187745.08	1.0863	P	0.5	2.8
6	☐	250.000	248.988	2914384.83	2.6289	A	0.4	-0.4
7	☐	500.000	499.871	5920965.67	5.2770	A	0.9	0.0
8	☐			6823.97	0.0062	P	3.7	

y = 0.0106 * x + 8.9000E-004
R = 1.0000
DL = 0.0134 ppb
BEC = 0.08432 ppb

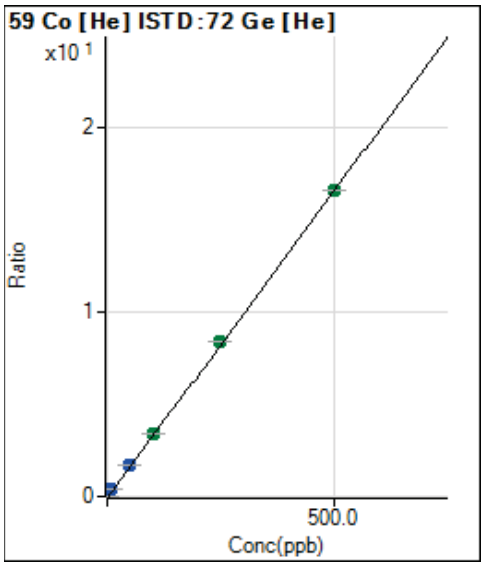
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	17801.42	0.0163	P	1.3	
2	☐	50.000	53.612	768384.04	0.7011	P	0.3	7.2
3	☐	125.000	130.191	1854594.50	1.6792	A	1.6	4.2
4	☐	625.000	626.320	8619843.00	8.0162	A	1.3	0.2
5	☐	1250.000	1277.098	17853582.00	16.3285	A	0.5	2.2
6	☐	3125.000	3157.157	44722581.33	40.3421	A	0.6	1.0
7	☐	12500.00	12637.74	181141290.6	161.436	A	0.7	1.1
8	☐	25000.00	24925.68	351593504.0	318.388	A	1.2	-0.3

y = 0.0128 * x + 0.0163
R = 1.0000
DL = 0.05113 ppb
BEC = 1.274 ppb

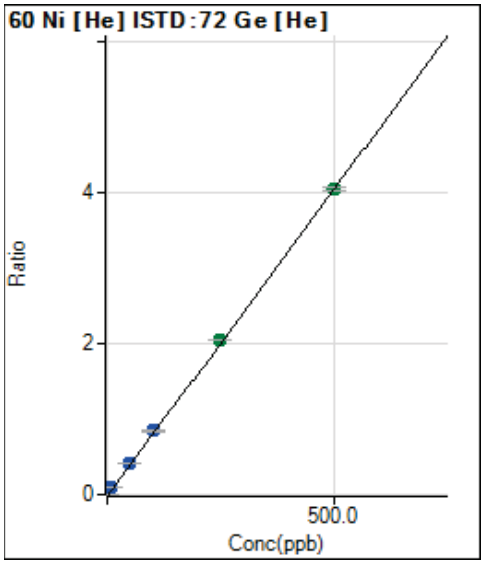
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	108.67	0.0002	P	25.8	
2	☐	0.500	0.541	12336.90	0.0181	P	1.8	8.3
3	☐	10.000	10.582	240474.63	0.3515	P	1.1	5.8
4	☐	50.000	50.521	1134397.17	1.6776	P	0.5	1.0
5	☐	100.000	102.097	2334415.08	3.3900	A	0.0	2.1
6	☐	250.000	251.464	5767475.67	8.3493	A	0.3	0.6
7	☐	500.000	498.785	11403940.00	16.5609	A	0.5	-0.2
8	☐			3653.05	0.0054	P	3.5	

y = 0.0332 * x + 1.6046E-004
R = 1.0000
DL = 0.003734 ppb
BEC = 0.004833 ppb

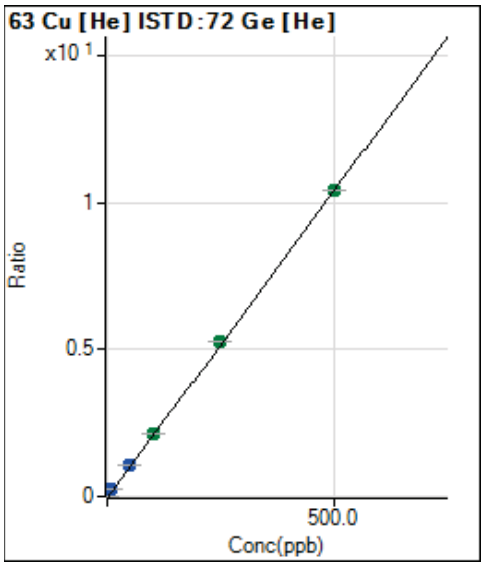
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	914.70	0.0014	P	5.0	
2	☐	0.500	0.534	3872.43	0.0057	P	1.4	6.8
3	☐	10.000	10.480	59193.90	0.0865	P	0.9	4.8
4	☐	50.000	50.943	280852.03	0.4153	P	1.3	1.9
5	☐	100.000	103.550	580399.31	0.8429	P	0.4	3.6
6	☐	250.000	251.749	1414150.92	2.0472	A	0.6	0.7
7	☐	500.000	498.312	2789511.75	4.0509	A	0.8	-0.3
8	☐			1363.39	0.0020	P	9.2	

y = 0.0081 * x + 0.0014
R = 1.0000
DL = 0.02511 ppb
BEC = 0.1662 ppb

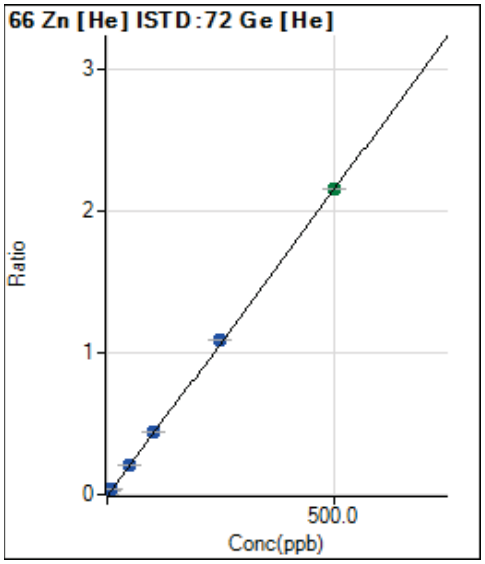
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	334.67	0.0005	P	7.2	
2	☐	1.000	1.206	17519.21	0.0258	P	1.1	20.6
3	☐	10.000	10.680	153367.66	0.2242	P	1.4	6.8
4	☐	50.000	51.411	728404.23	1.0772	P	0.7	2.8
5	☐	100.000	102.719	1481674.50	2.1517	A	0.9	2.7
6	☐	250.000	251.816	3643294.08	5.2743	A	0.8	0.7
7	☐	500.000	498.393	7187917.17	10.4384	A	0.4	-0.3
8	☐			2446.84	0.0036	P	5.3	

y = 0.0209 * x + 4.9417E-004
R = 1.0000
DL = 0.005078 ppb
BEC = 0.0236 ppb

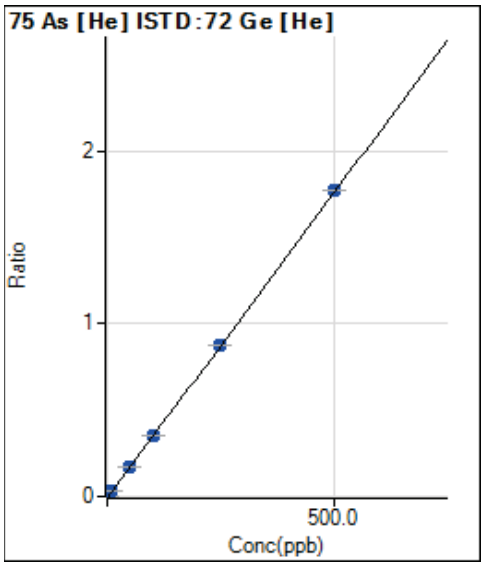
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	236.67	0.0003	P	7.0	
2	☐	5.000	5.219	15561.45	0.0229	P	3.5	4.4
3	☐	10.000	10.072	29986.32	0.0438	P	0.7	0.7
4	☐	50.000	49.295	144126.56	0.2131	P	0.3	-1.4
5	☐	100.000	102.092	303704.21	0.4410	P	0.4	2.1
6	☐	250.000	252.137	752068.50	1.0887	P	0.3	0.9
7	☐	500.000	498.580	1482278.71	2.1525	A	0.4	-0.3
8	☐			2182.81	0.0032	P	1.9	

y = 0.0043 * x + 3.4948E-004
R = 1.0000
DL = 0.01703 ppb
BEC = 0.08096 ppb

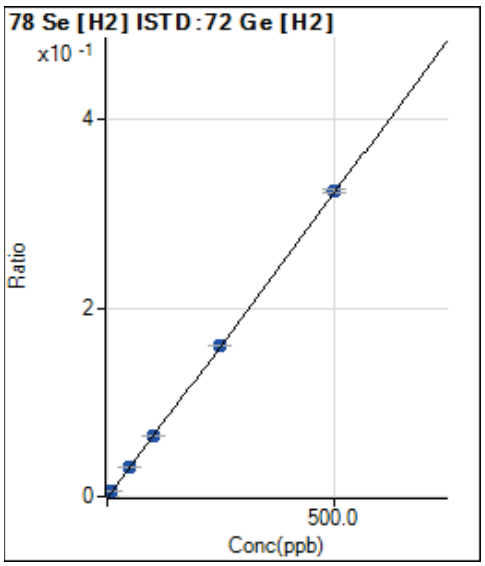
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	283.83	0.0004	P	4.0	
2	☐	0.500	0.501	1489.39	0.0022	P	2.0	0.1
3	☐	10.000	9.857	24132.41	0.0353	P	1.0	-1.4
4	☐	50.000	47.946	114921.35	0.1700	P	1.0	-4.1
5	☐	100.000	98.710	240629.35	0.3495	P	0.7	-1.3
6	☐	250.000	247.814	605576.42	0.8767	P	0.5	-0.9
7	☐	500.000	501.559	1221509.29	1.7739	P	0.5	0.3
8	☐			687.68	0.0010	P	3.6	

y = 0.0035 * x + 4.1918E-004
R = 1.0000
DL = 0.0142 ppb
BEC = 0.1185 ppb

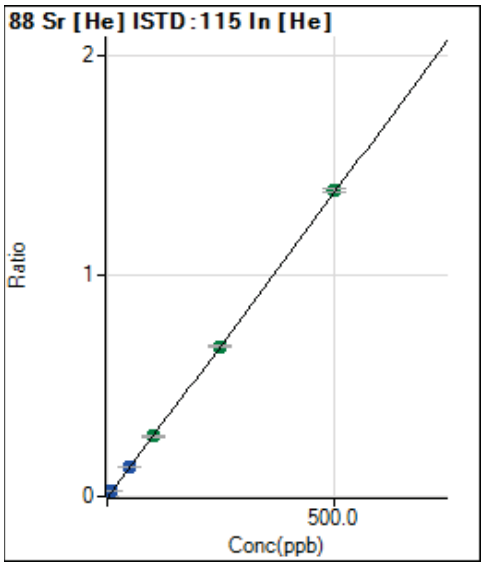
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	18.00	0.0000	P	32.6	
2	☐	0.500	0.512	620.01	0.0003	P	2.6	2.3
3	☐	10.000	10.022	11737.54	0.0065	P	1.8	0.2
4	☐	50.000	47.254	53827.05	0.0306	P	0.6	-5.5
5	☐	100.000	98.860	113735.25	0.0640	P	1.3	-1.1
6	☐	250.000	248.314	287453.95	0.1607	P	0.6	-0.7
7	☐	500.000	501.345	574500.73	0.3245	P	0.7	0.3
8	☐			124.67	0.0001	P	24.7	

y = 6.4720E-004 * x + 9.9538E-006
R = 1.0000
DL = 0.01502 ppb
BEC = 0.01538 ppb

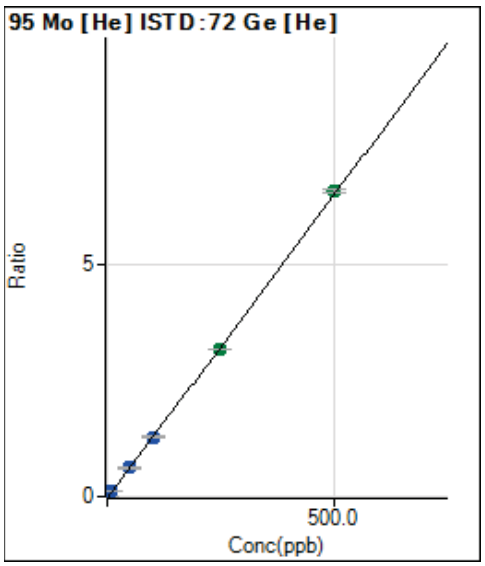
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	235.00	0.0000	P	3.9	
2	☐	0.500	0.485	9911.20	0.0014	P	3.9	-3.1
3	☐	10.000	9.756	195993.60	0.0270	P	1.8	-2.4
4	☐	50.000	48.605	931063.71	0.1344	P	1.5	-2.8
5	☐	100.000	98.579	1935049.76	0.2726	A	0.8	-1.4
6	☐	250.000	246.528	4817545.87	0.6816	A	0.9	-1.4
7	☐	500.000	502.164	9626773.81	1.3883	A	1.5	0.4
8	☐			10344.79	0.0015	P	1.3	

y = 0.0028 * x + 3.2241E-005
R = 1.0000
DL = 0.001374 ppb
BEC = 0.01166 ppb

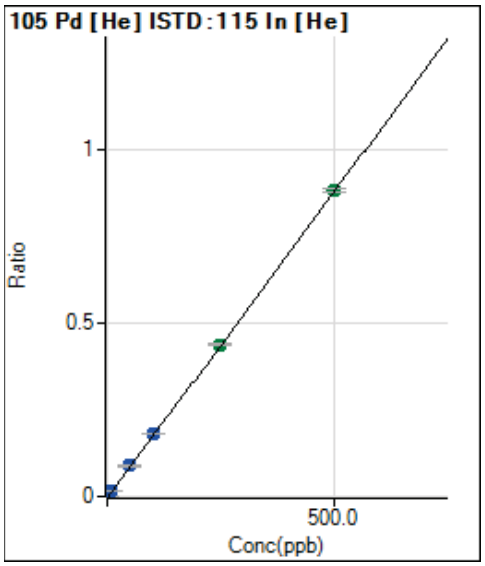
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	25.00	0.0000	P	69.6	
2	☐	0.500	0.509	4558.97	0.0067	P	2.0	1.9
3	☐	10.000	9.877	88447.64	0.1293	P	1.8	-1.2
4	☐	50.000	47.308	418642.61	0.6191	P	1.1	-5.4
5	☐	100.000	98.421	886862.23	1.2880	P	1.3	-1.6
6	☐	250.000	243.005	2196615.75	3.1800	A	0.9	-2.8
7	☐	500.000	504.085	4542281.81	6.5964	A	0.8	0.8
8	☐			1195.05	0.0018	P	6.9	

y = 0.0131 * x + 3.6963E-005
R = 0.9998
DL = 0.005894 ppb
BEC = 0.002825 ppb

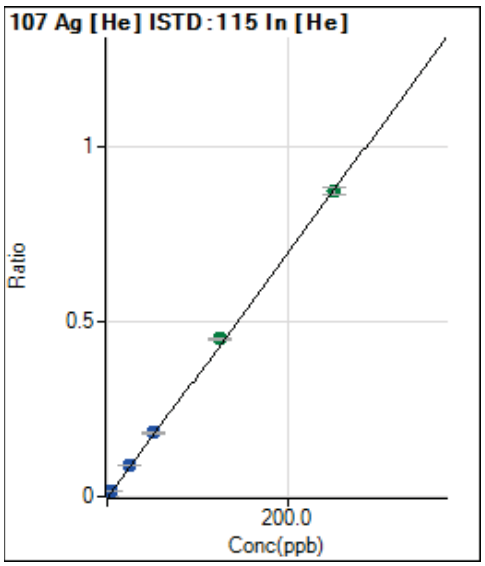
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	36.67	0.0000	P	110.	
2	☐	0.500	0.506	6491.34	0.0009	P	2.4	1.3
3	☐	10.000	10.014	128288.82	0.0177	P	1.7	0.1
4	☐	50.000	49.901	610019.48	0.0881	P	1.5	-0.2
5	☐	100.000	101.538	1272062.71	0.1792	P	1.0	1.5
6	☐	250.000	248.632	3101083.81	0.4387	A	0.9	-0.5
7	☐	500.000	500.386	6122653.03	0.8829	A	1.5	0.1
8	☐			526.68	0.0001	P	32.7	

y = 0.0018 * x + 5.0364E-006
R = 1.0000
DL = 0.009455 ppb
BEC = 0.002854 ppb

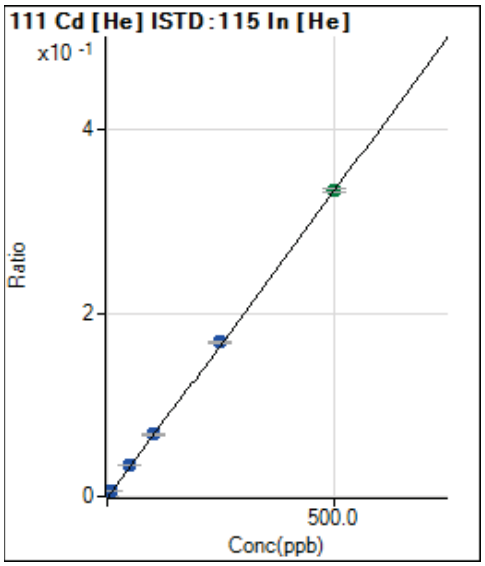
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	931.70	0.0001	P	15.5	
2	☐	0.500	0.443	12171.08	0.0017	P	2.7	-11.
3	☐	5.000	4.756	122317.34	0.0169	P	3.8	-4.9
4	☐	25.000	25.364	618855.73	0.0893	P	1.6	1.5
5	☐	50.000	51.905	1296703.03	0.1826	P	1.9	3.8
6	☐	125.000	128.114	3185273.08	0.4506	A	1.1	2.5
7	☐	250.000	248.031	6048764.49	0.8723	A	1.9	-0.8
8	☐			9179.23	0.0013	P	18.3	

y = 0.0035 * x + 1.2785E-004
R = 0.9999
DL = 0.01688 ppb
BEC = 0.03636 ppb

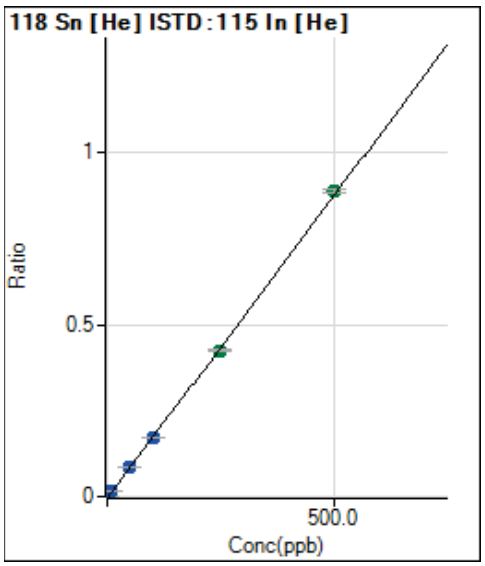
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	173.	
2	☐	0.080	0.067	326.98	0.0000	P	11.4	-16.
3	☐	10.000	9.912	48162.48	0.0066	P	1.4	-0.9
4	☐	50.000	50.018	231957.90	0.0335	P	0.9	0.0
5	☐	100.000	101.045	480226.80	0.0676	P	0.8	1.0
6	☐	250.000	251.798	1191383.73	0.1686	P	1.1	0.7
7	☐	500.000	498.892	2315881.71	0.3340	A	0.6	-0.2
8	☐			287.98	0.0000	P	4.0	

y = 6.6939E-004 * x + 4.5560E-007
R = 1.0000
DL = 0.003537 ppb
BEC = 0.0006806 ppb

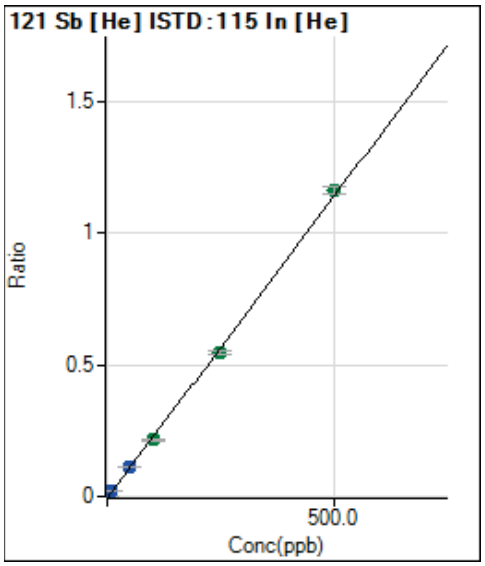
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	180.00	0.0000	P	14.7	
2	☐	0.500	0.483	6311.22	0.0009	P	7.6	-3.4
3	☐	10.000	9.433	120513.43	0.0166	P	1.4	-5.7
4	☐	50.000	48.386	589321.03	0.0851	P	0.9	-3.2
5	☐	100.000	97.347	1214860.45	0.1711	P	0.8	-2.7
6	☐	250.000	240.572	2988760.48	0.4228	A	1.2	-3.8
7	☐	500.000	505.417	6159774.28	0.8883	A	1.3	1.1
8	☐			953.37	0.0001	P	16.3	

y = 0.0018 * x + 2.4692E-005
R = 0.9997
DL = 0.006178 ppb
BEC = 0.01405 ppb

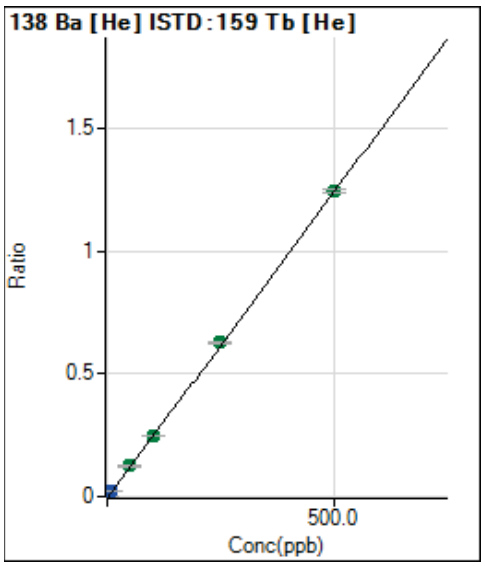
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	98.33	0.0000	P	23.8	
2	☐	0.500	0.509	8522.21	0.0012	P	2.1	1.7
3	☐	10.000	9.399	156541.45	0.0216	P	1.6	-6.0
4	☐	50.000	47.782	759158.87	0.1096	P	1.1	-4.4
5	☐	100.000	93.545	1523061.85	0.2145	A	1.5	-6.5
6	☐	250.000	238.293	3862386.82	0.5464	A	1.7	-4.7
7	☐	500.000	507.378	8067542.17	1.1635	A	2.0	1.5
8	☐			1648.44	0.0002	P	4.4	

y = 0.0023 * x + 1.3486E-005
R = 0.9995
DL = 0.004199 ppb
BEC = 0.005881 ppb

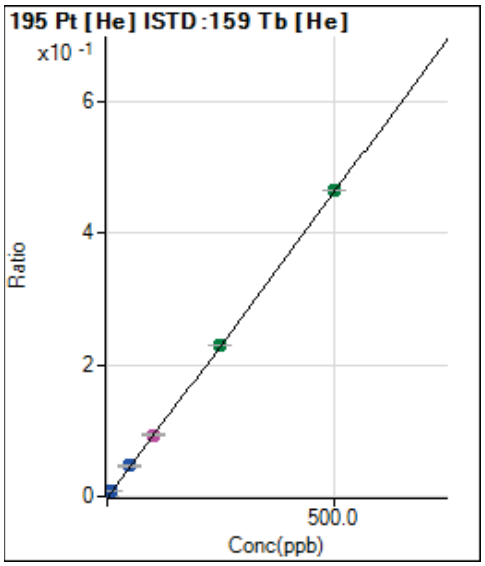
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	160.00	0.0000	P	32.9	
2	☐	0.300	0.307	12601.45	0.0008	P	3.7	2.5
3	☐	10.000	10.189	412012.06	0.0254	P	1.2	1.9
4	☐	50.000	49.629	1937877.78	0.1238	A	0.3	-0.7
5	☐	100.000	99.561	3935619.73	0.2484	A	1.5	-0.4
6	☐	250.000	251.641	9855220.48	0.6277	A	0.7	0.7
7	☐	500.000	499.301	20265918.03	1.2455	A	0.6	-0.1
8	☐			18830.59	0.0012	P	1.9	

y = 0.0025 * x + 9.8802E-006
R = 1.0000
DL = 0.003915 ppb
BEC = 0.003961 ppb

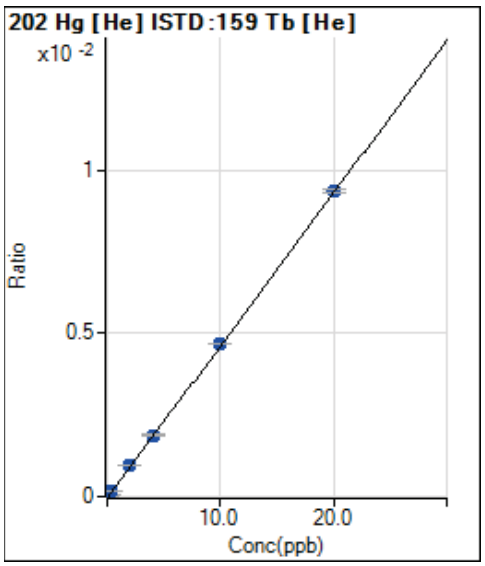
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	93.33	0.0000	P	63.1	
2	☐	0.500	0.519	7908.75	0.0005	P	7.4	3.8
3	☐	10.000	10.024	150866.67	0.0093	P	1.0	0.2
4	☐	50.000	49.997	726415.96	0.0464	P	1.5	0.0
5	☐	100.000	100.753	1482131.23	0.0935	M	1.6	0.8
6	☐	250.000	247.786	3611230.15	0.2300	A	0.4	-0.9
7	☐	500.000	500.956	7566458.64	0.4650	A	0.6	0.2
8	☐			600.03	0.0000	P	19.1	

y = 9.2823E-004 * x + 5.7692E-006
R = 1.0000
DL = 0.01176 ppb
BEC = 0.006215 ppb

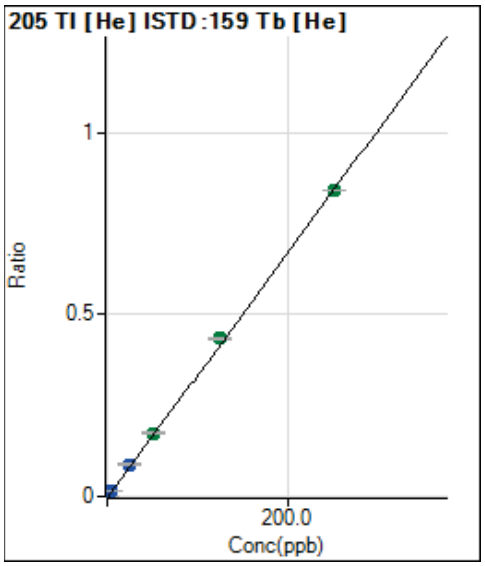
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	80.00	0.0000	P	82.1	
2	☐	0.100	0.087	740.03	0.0000	P	9.7	-13.
3	☐	0.400	0.380	2963.68	0.0002	P	3.9	-5.0
4	☐	2.000	2.023	14907.24	0.0010	P	2.3	1.2
5	☐	4.000	4.003	29778.03	0.0019	P	1.6	0.1
6	☐	10.000	9.997	73551.66	0.0047	P	1.1	0.0
7	☐	20.000	19.999	152411.88	0.0094	P	1.2	0.0
8	☐			700.03	0.0000	P	5.5	

y = 4.6812E-004 * x + 4.9398E-006
R = 1.0000
DL = 0.02599 ppb
BEC = 0.01055 ppb

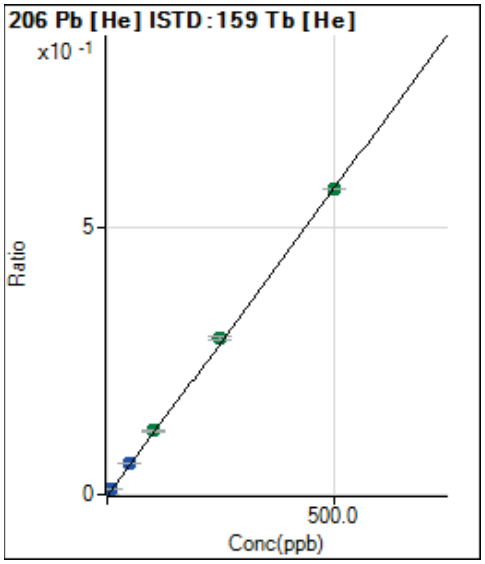
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	786.70	0.0000	P	2.8	
2	☐	0.100	0.092	5862.80	0.0004	P	4.9	-7.7
3	☐	5.000	4.981	274490.45	0.0169	P	3.7	-0.4
4	☐	25.000	26.004	1380996.34	0.0882	P	1.5	4.0
5	☐	50.000	51.113	2747569.75	0.1734	A	2.1	2.2
6	☐	125.000	128.000	6816193.85	0.4342	A	1.2	2.4
7	☐	250.000	248.177	13696413.55	0.8417	A	0.4	-0.7
8	☐			9202.89	0.0006	P	27.1	

y = 0.0034 * x + 4.8588E-005
R = 0.9999
DL = 0.001197 ppb
BEC = 0.01433 ppb

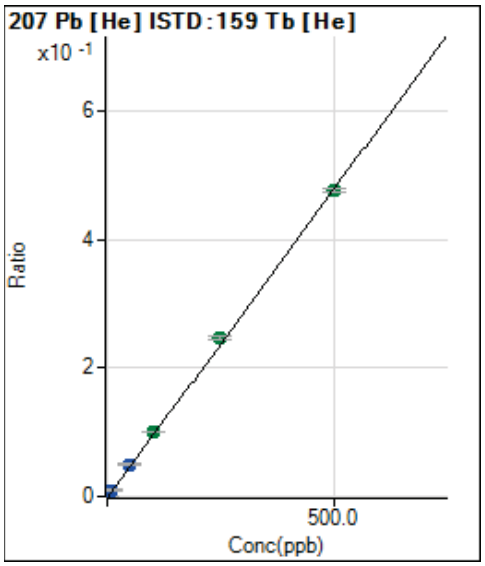
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	98.33	0.0000	P	28.1	
2	☐	0.500	0.525	9904.81	0.0006	P	2.7	4.9
3	☐	10.000	10.285	192069.00	0.0119	P	1.4	2.8
4	☐	50.000	51.368	926068.69	0.0592	P	2.2	2.7
5	☐	100.000	103.336	1886244.50	0.1190	A	2.4	3.3
6	☐	250.000	254.763	4607203.16	0.2935	A	1.8	1.9
7	☐	500.000	496.809	9311871.74	0.5723	A	0.6	-0.6
8	☐			7655.24	0.0005	P	1.0	

y = 0.0012 * x + 6.0737E-006
R = 0.9999
DL = 0.004449 ppb
BEC = 0.005273 ppb

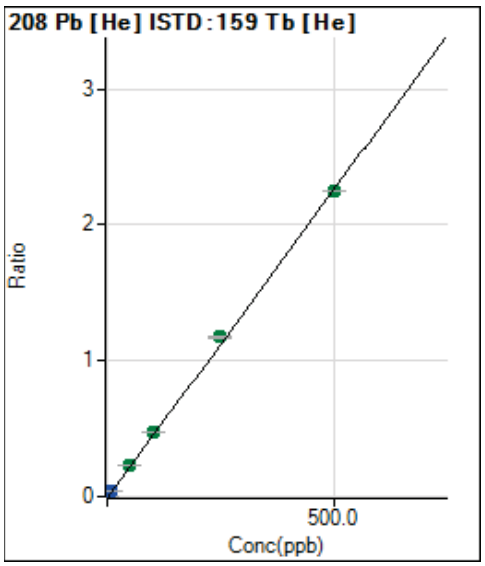
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1000.04	0.0001	P	1.7	
2	☐	0.500	0.524	9176.05	0.0006	P	6.3	4.8
3	☐	10.000	10.315	161752.20	0.0100	P	2.4	3.1
4	☐	50.000	51.600	777593.22	0.0497	P	2.4	3.2
5	☐	100.000	104.047	1586796.38	0.1001	A	1.5	4.0
6	☐	250.000	256.790	3878425.05	0.2470	A	1.6	2.7
7	☐	500.000	495.629	7757538.43	0.4767	A	1.0	-0.9
8	☐			7543.51	0.0005	P	5.5	

y = 9.6177E-004 * x + 6.1763E-005
R = 0.9998
DL = 0.003283 ppb
BEC = 0.06422 ppb

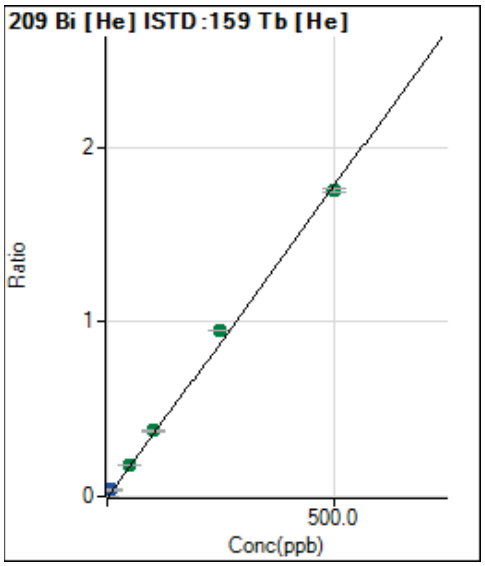
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1313.38	0.0001	P	3.7	
2	☐	0.500	0.519	39550.72	0.0024	P	3.7	3.8
3	☐	10.000	10.242	755220.11	0.0466	P	1.8	2.4
4	☐	50.000	50.543	3594652.81	0.2297	A	1.8	1.1
5	☐	100.000	103.719	7468041.56	0.4713	A	1.4	3.7
6	☐	250.000	258.304	18424418.27	1.1735	A	0.8	3.3
7	☐	500.000	495.045	36595649.46	2.2490	A	0.4	-1.0
8	☐			31301.99	0.0020	P	2.0	

y = 0.0045 * x + 8.1117E-005
R = 0.9998
DL = 0.001967 ppb
BEC = 0.01786 ppb

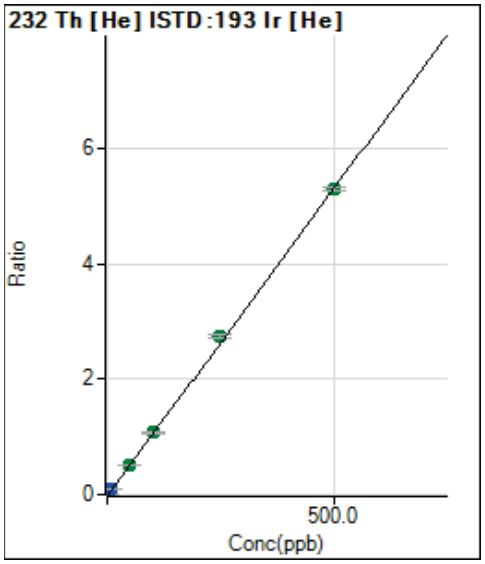
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1643.47	0.0001	P	15.3	
2	☐	0.500	0.508	31090.71	0.0019	P	3.8	1.6
3	☐	10.000	10.374	602501.62	0.0372	P	1.7	3.7
4	☐	50.000	50.611	2832747.67	0.1810	A	2.1	1.2
5	☐	100.000	105.444	5974420.33	0.3770	A	1.6	5.4
6	☐	250.000	266.602	14963948.95	0.9531	A	0.4	6.6
7	☐	500.000	490.542	28533571.24	1.7536	A	0.7	-1.9
8	☐			3307.08	0.0002	P	6.6	

y = 0.0036 * x + 1.0146E-004
R = 0.9991
DL = 0.01302 ppb
BEC = 0.02838 ppb

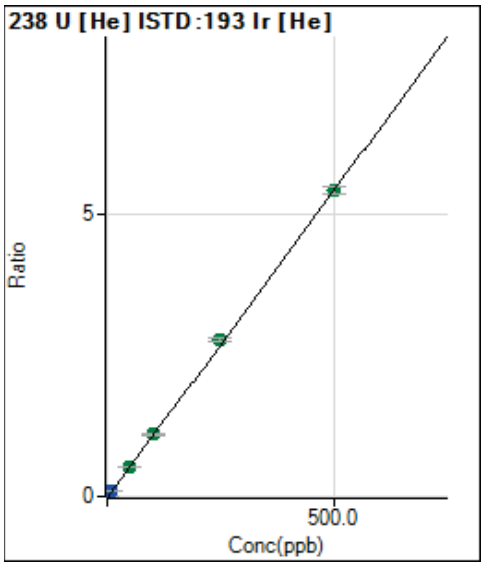
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	58.33	0.0000	P	14.1	
2	☐	0.500	0.487	40288.34	0.0052	P	1.6	-2.7
3	☐	10.000	9.717	807065.09	0.1036	P	0.9	-2.8
4	☐	50.000	47.313	3755907.76	0.5044	A	0.9	-5.4
5	☐	100.000	100.535	8091429.88	1.0718	A	0.8	0.5
6	☐	250.000	256.920	20222414.70	2.7390	A	2.5	2.8
7	☐	500.000	496.707	40026914.40	5.2953	A	1.4	-0.7
8	☐			7762.00	0.0011	P	4.1	

y = 0.0107 * x + 7.4693E-006
R = 0.9998
DL = 0.0002953 ppb
BEC = 0.0007006 ppb

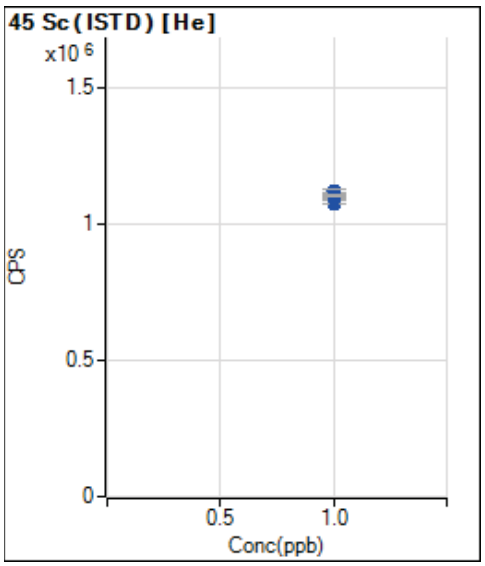
Weight: <None>
Min Conc: <None>



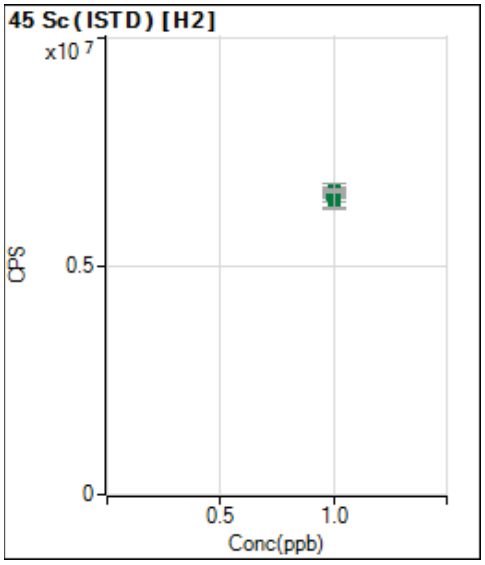
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	91.67	0.0000	P	13.4	
2	☐	0.500	0.487	41254.63	0.0053	P	2.8	-2.7
3	☐	10.000	9.864	838029.05	0.1076	P	0.8	-1.4
4	☐	50.000	48.015	3898808.28	0.5236	A	1.8	-4.0
5	☐	100.000	100.604	8282023.84	1.0970	A	0.8	0.6
6	☐	250.000	255.151	20543041.36	2.7823	A	2.1	2.1
7	☐	500.000	497.505	41001963.56	5.4250	A	2.8	-0.5
8	☐			2861.97	0.0004	P	13.7	

y = 0.0109 * x + 1.1735E-005
R = 0.9999
DL = 0.0004331 ppb
BEC = 0.001076 ppb

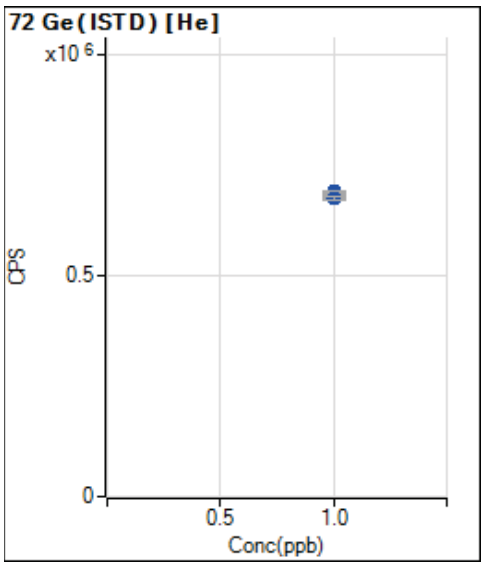
Weight: <None>
Min Conc: <None>



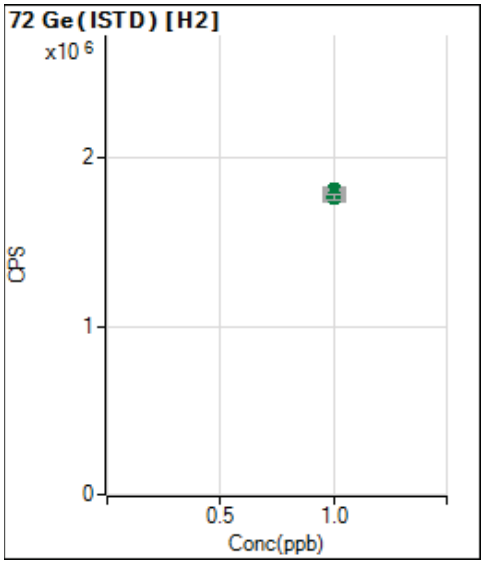
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1093627.00		P	0.3	
2	☐	1.000		1096040.42		P	0.4	
3	☐	1.000		1104547.91		P	0.8	
4	☐	1.000		1075339.50		P	0.4	
5	☐	1.000		1093406.00		P	0.4	
6	☐	1.000		1108587.12		P	0.2	
7	☐	1.000		1122091.87		P	0.8	
8	☐	1.000		1104366.92		P	0.8	



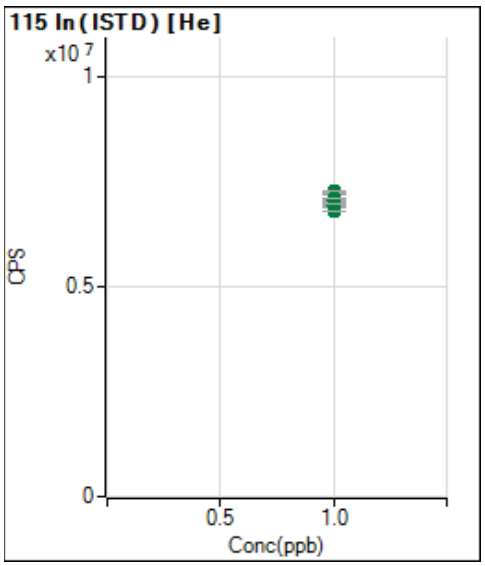
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		6702171.67		A	4.1	
2	☐	1.000		6662067.33		A	2.7	
3	☐	1.000		6678762.67		A	4.0	
4	☐	1.000		6399830.83		A	4.3	
5	☐	1.000		6535445.33		A	3.4	
6	☐	1.000		6600567.83		A	3.1	
7	☐	1.000		6485270.67		A	5.8	
8	☐	1.000		6460711.50		A	5.2	



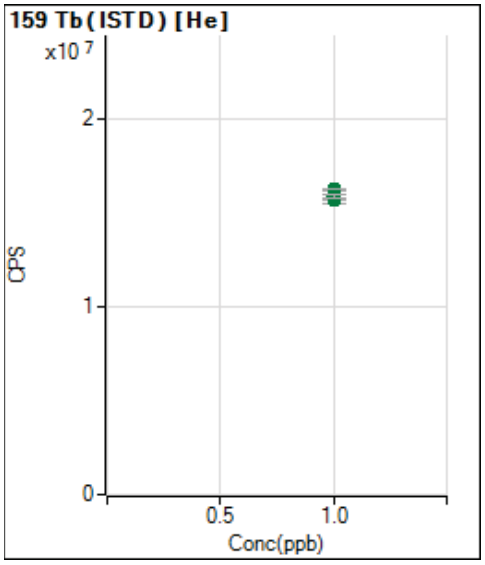
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		677141.46		P	0.3	
2	☐	1.000		680351.69		P	1.1	
3	☐	1.000		684185.54		P	1.1	
4	☐	1.000		676216.79		P	0.4	
5	☐	1.000		688616.38		P	0.7	
6	☐	1.000		690773.98		P	0.3	
7	☐	1.000		688610.67		P	0.4	
8	☐	1.000		673185.19		P	1.0	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1813853.50		A	1.9	
2	☐	1.000		1817665.00		A	0.6	
3	☐	1.000		1806887.50		A	1.2	
4	☐	1.000		1759347.17		A	1.5	
5	☐	1.000		1777489.75		A	1.6	
6	☐	1.000		1788615.96		A	1.7	
7	☐	1.000		1770659.33		A	1.8	
8	☐	1.000		1766596.75		A	1.9	

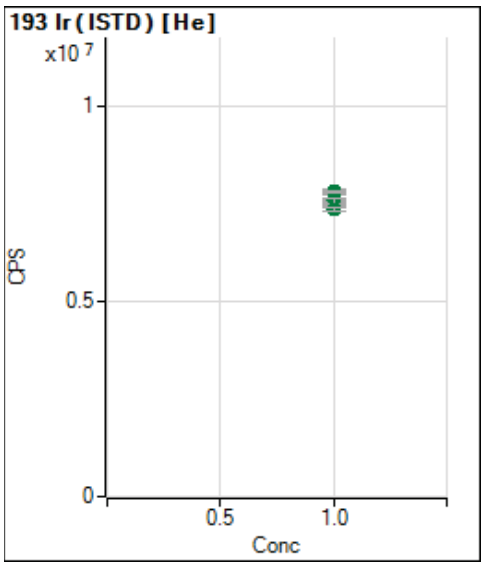


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		7289393.47		A	0.3	
2	☐	1.000		7223627.04		A	0.1	
3	☐	1.000		7258568.34		A	0.4	
4	☐	1.000		6928184.51		A	0.9	
5	☐	1.000		7099843.59		A	0.5	
6	☐	1.000		7068790.56		A	0.7	
7	☐	1.000		6935091.63		A	1.2	
8	☐	1.000		6816200.27		A	0.0	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		16192219.34		A	0.4	
2	☐	1.000		16224823.09		A	0.9	
3	☐	1.000		16205396.84		A	0.7	
4	☐	1.000		15653340.60		A	1.8	
5	☐	1.000		15849603.52		A	1.8	
6	☐	1.000		15700546.44		A	0.4	
7	☐	1.000		16271878.51		A	0.4	
8	☐	1.000		15877777.68		A	1.2	

Calibration for 247_CCV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		7817221.97		A	1.0	
2	☐	1.000		7755540.09		A	0.3	
3	☐	1.000		7789919.05		A	0.3	
4	☐	1.000		7446264.06		A	0.3	
5	☐	1.000		7549684.47		A	0.6	
6	☐	1.000		7385515.93		A	1.9	
7	☐	1.000		7559972.18		A	1.4	
8	☐	1.000		7337677.81		A	1.2	

Sample Name	System Blank EPA Tune 365220
Sample Type	CalBlk
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	001CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:10:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.001684	749.5	70.667
Be	9	2	H2	-0.003932		3.833
B	11	2	H2	0.151862	332.5	3203.670
Na	23	1	He	0.906957	24.4	20187.717
Mg	24	1	He	1.326493	22.5	5149.103
Al	27	1	He	-0.006982		256.667
Si	28	2	H2	0.306471	41.2	14225.513
K	39	1	He	-2.049279		132637.813
Ca	43	1	He	0.750957	57.7	14.863
Ca	44	1	He	0.904350	16.2	270.367
Ti	47	1	He	0.007157	56.2	7.333
V	51	1	He	-0.049972		-2504.783
Cr	52	1	He	0.003818	56.8	650.680
Mn	55	1	He	0.011854	70.2	1129.373
Fe	56	1	He	0.236948	13.4	21467.410
Co	59	1	He	0.002459	49.4	166.667
Ni	60	1	He	0.062043	19.2	1276.713
Cu	63	1	He	0.003707	60.4	393.343
Zn	66	1	He	-0.012730		202.667
As	75	1	He	-0.001560		284.667
Se	78	2	H2	0.000067	4583.5	18.000
Sr	88	1	He	0.013135	14.8	498.343
Mo	95	1	He	0.006430	32.6	83.333
Pd	105	1	He	0.007020	17.0	126.667
Ag	107	1	He	2.425486	65.7	62761.713
Cd	111	1	He	0.001019	153.1	8.310
Sn	118	1	He	0.003427	11.4	223.333
Sb	121	1	He	0.001407	169.2	121.667
Ba	138	1	He	0.001143	50.6	205.003
Pt	195	1	He	0.000692	47.7	103.333
Hg	202	1	He	-0.002131		63.333
Tl	205	1	He	0.003322	70.2	965.037
Pb	206	1	He	0.001828	97.7	131.667
Pb	207	1	He	0.006658	73.3	1098.380
Pb	208	1	He	0.003300	46.7	1548.390
Bi	209	1	He	0.005018	25.2	1923.490
Th	232	1	He	0.004076	33.7	395.010
U	238	1	He	0.000625	55.8	143.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100	1112252.333
Sc	45	2	H2	100	6733108.667
Ge	72	1	He	100	688066.833
Ge	72	2	H2	100	1800551.500
In	115	1	He	100	7270684.027
Tb	159	1	He	100	16111948.093
Ir	193	1	He	100	7738778.217

Sample Name	System Blank
Sample Type	CalBlk
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	002CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:15:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.010999	62.7	73.167
Be	9	2	H2	-0.000698		5.667
B	11	2	H2	0.158425	197.3	3010.300
Na	23	1	He	0.562612	60.3	18517.687
Mg	24	1	He	0.779815	12.8	4312.213
Al	27	1	He	-0.039947		225.000
Si	28	2	H2	0.169056	116.9	12727.167
K	39	1	He	5.192883	27.9	137461.237
Ca	43	1	He	0.165706	911.0	11.260
Ca	44	1	He	0.225508	196.1	201.467
Ti	47	1	He	0.005349	124.9	6.000
V	51	1	He	-0.005585		-1829.833
Cr	52	1	He	0.007939	46.8	678.683
Mn	55	1	He	-0.012404		802.020
Fe	56	1	He	0.020374	98.5	17473.107
Co	59	1	He	-0.000612		91.333
Ni	60	1	He	0.025969	22.1	1018.030
Cu	63	1	He	0.002282	179.8	353.337
Zn	66	1	He	-0.014139		188.000
As	75	1	He	0.004687	167.1	284.000
Se	78	2	H2	0.000734	340.1	18.000
Sr	88	1	He	0.005216	16.5	325.010
Mo	95	1	He	0.000497	179.9	28.333
Pd	105	1	He	0.002300	81.9	63.333
Ag	107	1	He	0.058456	12.7	2321.843
Cd	111	1	He	0.000034	3643.3	3.323
Sn	118	1	He	0.002156	115.5	198.333
Sb	121	1	He	0.001733	126.9	121.667
Ba	138	1	He	-0.000262		143.333
Pt	195	1	He	-0.002050		60.000
Hg	202	1	He	-0.001857		63.333
Tl	205	1	He	0.001073	121.0	811.693
Pb	206	1	He	0.000688	208.9	106.667
Pb	207	1	He	0.005878	161.7	1048.380
Pb	208	1	He	0.002200	125.9	1416.717
Bi	209	1	He	0.002807	46.1	1733.473
Th	232	1	He	0.000477	27.6	93.333
U	238	1	He	-0.000233		68.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100	1056624.500
Sc	45	2	H2	100	6307953.333
Ge	72	1	He	100	651709.583
Ge	72	2	H2	100	1723966.750
In	115	1	He	100	6964919.223
Tb	159	1	He	100	15547363.937
Ir	193	1	He	100	7434720.510

Sample Name	System Blank
Sample Type	CalBlk
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	003CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:19:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.006587	159.8	72.667
Be	9	2	H2	-0.005012		3.000
B	11	2	H2	0.088201	350.1	3083.653
Na	23	1	He	1.091991	7.4	20321.190
Mg	24	1	He	0.393321	25.1	4058.820
Al	27	1	He	0.482050	88.5	546.450
Si	28	2	H2	0.022203	683.7	12582.437
K	39	1	He	-0.297401		133971.177
Ca	43	1	He	0.894437	62.7	15.393
Ca	44	1	He	2.514203	23.6	403.490
Ti	47	1	He	0.004860	261.2	6.000
V	51	1	He	-0.036560		-2300.393
Cr	52	1	He	0.016525	129.7	838.843
Mn	55	1	He	0.030062	30.9	1327.387
Fe	56	1	He	0.098751	8.4	19279.623
Co	59	1	He	0.001413	96.0	140.000
Ni	60	1	He	0.002773	474.1	927.360
Cu	63	1	He	0.001581	130.1	356.003
Zn	66	1	He	0.029979	28.5	323.333
As	75	1	He	-0.004431		272.500
Se	78	2	H2	-0.006189		10.667
Sr	88	1	He	0.003608	101.2	303.340
Mo	95	1	He	0.001703	115.2	40.000
Pd	105	1	He	0.002160	154.0	63.333
Ag	107	1	He	0.013493	14.7	1258.390
Cd	111	1	He	0.001399	75.1	9.983
Sn	118	1	He	0.052383	8.4	838.360
Sb	121	1	He	0.002207	113.5	133.333
Ba	138	1	He	0.002888	22.6	276.670
Pt	195	1	He	0.004199	99.9	156.670
Hg	202	1	He	-0.004402		46.667
Tl	205	1	He	0.000421	375.5	810.027
Pb	206	1	He	0.000805	203.0	113.333
Pb	207	1	He	0.006708	78.8	1105.053
Pb	208	1	He	0.002213	34.5	1476.723
Bi	209	1	He	-0.000516		1613.457
Th	232	1	He	0.000308	79.2	83.333
U	238	1	He	-0.000008		90.000

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100	1099268.917
Sc	45	2	H2	100	6565504.000
Ge	72	1	He	100	675252.000
Ge	72	2	H2	100	1792626.747
In	115	1	He	100	7180002.107
Tb	159	1	He	100	16197209.760
Ir	193	1	He	100	7736391.760

Sample Name	CAL 0
Sample Type	CalBlk
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	004CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:22:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.000000	N/A	69.167
Be	9	2	H2	0.000000	N/A	6.500
B	11	2	H2	0.000000	N/A	3083.673
Na	23	1	He	0.000000	N/A	18053.867
Mg	24	1	He	0.000000	N/A	3605.380
Al	27	1	He	0.000000	N/A	256.667
Si	28	2	H2	0.000000	N/A	12742.450
K	39	1	He	0.000000	N/A	133774.347
Ca	43	1	He	0.000000	N/A	10.823
Ca	44	1	He	0.000000	N/A	189.573
Ti	47	1	He	0.000000	N/A	3.333
V	51	1	He	0.000000	N/A	-1823.937
Cr	52	1	He	0.000000	N/A	581.343
Mn	55	1	He	0.000000	N/A	973.363
Fe	56	1	He	0.000000	N/A	17801.423
Co	59	1	He	0.000000	N/A	108.667
Ni	60	1	He	0.000000	N/A	914.697
Cu	63	1	He	0.000000	N/A	334.670
Zn	66	1	He	0.000000	N/A	236.667
As	75	1	He	0.000000	N/A	283.833
Se	78	2	H2	0.000000	N/A	18.000
Sr	88	1	He	0.000000	N/A	235.000
Mo	95	1	He	0.000000	N/A	25.000
Pd	105	1	He	0.000000	N/A	36.667
Ag	107	1	He	0.000000	N/A	931.700
Cd	111	1	He	0.000000	N/A	3.330
Sn	118	1	He	0.000000	N/A	180.000
Sb	121	1	He	0.000000	N/A	98.333
Ba	138	1	He	0.000000	N/A	160.000
Pt	195	1	He	0.000000	N/A	93.333
Hg	202	1	He	0.000000	N/A	80.000
Tl	205	1	He	0.000000	N/A	786.697
Pb	206	1	He	0.000000	N/A	98.333
Pb	207	1	He	0.000000	N/A	1000.043
Pb	208	1	He	0.000000	N/A	1313.377
Bi	209	1	He	0.000000	N/A	1643.467
Th	232	1	He	0.000000	N/A	58.333
U	238	1	He	0.000000	N/A	91.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100	1093627.000
Sc	45	2	H2	100	6702171.667
Ge	72	1	He	100	677141.457
Ge	72	2	H2	100	1813853.500
In	115	1	He	100	7289393.470
Tb	159	1	He	100	16192219.343
Ir	193	1	He	100	7817221.967

Sample Name	CAL 1
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	005CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:26:50
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.510169	6.2	473.343
Be	9	2	H2	0.202564	5.7	143.500
B	11	2	H2	9.610277	7.9	9899.483
Na	23	1	He	52.481338	1.6	122286.067
Mg	24	1	He	32.410644	0.7	39356.857
Al	27	1	He	31.688001	1.9	19184.223
Si	28	2	H2	104.474585	7.8	493267.040
K	39	1	He	109.550297	1.2	313989.207
Ca	43	1	He	105.363926	0.8	542.253
Ca	44	1	He	103.541369	1.0	8935.437
Ti	47	1	He	0.981276	9.9	534.677
V	51	1	He	1.071698	1.5	11902.573
Cr	52	1	He	2.095252	0.8	32665.317
Mn	55	1	He	0.520647	2.8	6998.713
Fe	56	1	He	53.611911	0.3	768384.043
Co	59	1	He	0.541344	1.9	12336.903
Ni	60	1	He	0.534104	1.8	3872.427
Cu	63	1	He	1.206037	1.1	17519.213
Zn	66	1	He	5.218666	3.5	15561.450
As	75	1	He	0.500654	2.5	1489.393
Se	78	2	H2	0.511719	2.7	620.010
Sr	88	1	He	0.484649	4.0	9911.200
Mo	95	1	He	0.509251	2.1	4558.973
Pd	105	1	He	0.506424	2.4	6491.337
Ag	107	1	He	0.442787	2.9	12171.083
Cd	111	1	He	0.066939	11.5	326.977
Sn	118	1	He	0.483058	7.9	6311.220
Sb	121	1	He	0.508608	2.2	8522.207
Ba	138	1	He	0.307473	3.7	12601.453
Pt	195	1	He	0.519050	7.5	7908.747
Hg	202	1	He	0.086831	10.9	740.033
Tl	205	1	He	0.092251	5.7	5862.797
Pb	206	1	He	0.524718	2.7	9904.807
Pb	207	1	He	0.523992	7.1	9176.050
Pb	208	1	He	0.518851	3.9	39550.720
Bi	209	1	He	0.507819	4.0	31090.707
Th	232	1	He	0.486581	1.6	40288.337
U	238	1	He	0.486723	2.8	41254.627

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.2206803	1096040.420
Sc	45	2	H2	99.40162181	6662067.333
Ge	72	1	He	100.4740860	680351.690
Ge	72	2	H2	100.2101329	1817665.003
In	115	1	He	99.09777907	7223627.037
Tb	159	1	He	100.2013544	16224823.093
Ir	193	1	He	99.21094889	7755540.090

Sample Name	CAL 2
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	006CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:30:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	10.516838	4.4	8438.223
Be	9	2	H2	10.644153	4.4	7229.560
B	11	2	H2	10.679562	10.5	10696.580
Na	23	1	He	255.511216	0.7	529470.487
Mg	24	1	He	259.224158	0.9	291743.637
Al	27	1	He	255.375583	0.5	153972.290
Si	28	2	H2	131.091895	6.5	617451.940
K	39	1	He	259.842988	2.6	565151.037
Ca	43	1	He	248.157674	0.8	1272.293
Ca	44	1	He	247.297339	4.4	21243.890
Ti	47	1	He	9.731005	1.4	5313.453
V	51	1	He	10.217011	2.9	130044.440
Cr	52	1	He	10.391587	1.2	160933.083
Mn	55	1	He	10.346105	0.7	121596.967
Fe	56	1	He	130.191067	1.6	1854594.500
Co	59	1	He	10.581871	1.1	240474.633
Ni	60	1	He	10.480496	0.9	59193.900
Cu	63	1	He	10.680209	1.4	153367.660
Zn	66	1	He	10.072232	0.7	29986.320
As	75	1	He	9.857386	1.0	24132.410
Se	78	2	H2	10.022205	1.8	11737.543
Sr	88	1	He	9.756212	1.8	195993.597
Mo	95	1	He	9.877126	1.8	88447.643
Pd	105	1	He	10.013519	1.7	128288.820
Ag	107	1	He	4.755911	3.9	122317.343
Cd	111	1	He	9.911667	1.4	48162.480
Sn	118	1	He	9.433200	1.4	120513.430
Sb	121	1	He	9.399357	1.6	156541.453
Ba	138	1	He	10.189228	1.2	412012.063
Pt	195	1	He	10.023679	1.0	150866.670
Hg	202	1	He	0.380085	4.1	2963.680
Tl	205	1	He	4.980955	3.7	274490.447
Pb	206	1	He	10.284855	1.4	192069.000
Pb	207	1	He	10.314984	2.4	161752.200
Pb	208	1	He	10.241516	1.8	755220.113
Bi	209	1	He	10.373555	1.7	602501.620
Th	232	1	He	9.717434	0.9	807065.093
U	238	1	He	9.864431	0.8	838029.050

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.9985958	1104547.913
Sc	45	2	H2	99.65072515	6678762.667
Ge	72	1	He	101.0402681	684185.543
Ge	72	2	H2	99.61595575	1806887.500
In	115	1	He	99.57712357	7258568.343
Tb	159	1	He	100.0813816	16205396.843
Ir	193	1	He	99.65073376	7789919.050

Sample Name	CAL 3
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	007CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:34:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	50.520079	4.2	38592.537
Be	9	2	H2	50.972075	4.7	33163.510
B	11	2	H2	48.995496	4.6	36426.040
Na	23	1	He	1234.556214	1.5	2422409.393
Mg	24	1	He	1235.499649	1.6	1340299.093
Al	27	1	He	1242.031422	0.9	728078.837
Si	28	2	H2	616.412341	5.5	2736828.417
K	39	1	He	1231.765038	1.0	2116340.543
Ca	43	1	He	1237.779022	0.3	6135.600
Ca	44	1	He	1216.866698	2.2	101018.533
Ti	47	1	He	47.110516	0.7	25030.500
V	51	1	He	50.622866	1.2	634443.470
Cr	52	1	He	50.865941	0.9	764730.230
Mn	55	1	He	50.614672	1.4	575417.647
Fe	56	1	He	626.320138	1.3	8619843.000
Co	59	1	He	50.521466	0.5	1134397.167
Ni	60	1	He	50.942824	1.3	280852.030
Cu	63	1	He	51.411046	0.7	728404.230
Zn	66	1	He	49.294948	0.3	144126.563
As	75	1	He	47.946003	1.0	114921.353
Se	78	2	H2	47.254487	0.6	53827.053
Sr	88	1	He	48.604523	1.5	931063.710
Mo	95	1	He	47.308269	1.1	418642.610
Pd	105	1	He	49.900964	1.5	610019.480
Ag	107	1	He	25.364010	1.6	618855.733
Cd	111	1	He	50.018177	0.9	231957.897
Sn	118	1	He	48.386062	0.9	589321.033
Sb	121	1	He	47.782343	1.1	759158.867
Ba	138	1	He	49.629019	0.3	1937877.783
Pt	195	1	He	49.996756	1.5	726415.957
Hg	202	1	He	2.023306	2.3	14907.240
Tl	205	1	He	26.004053	1.5	1380996.337
Pb	206	1	He	51.368331	2.2	926068.687
Pb	207	1	He	51.600007	2.4	777593.217
Pb	208	1	He	50.543081	1.8	3594652.810
Bi	209	1	He	50.610903	2.1	2832747.667
Th	232	1	He	47.313112	0.9	3755907.757
U	238	1	He	48.015094	1.8	3898808.277

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	98.32781195	1075339.500
Sc	45	2	H2	95.48891242	6399830.833
Ge	72	1	He	99.86344556	676216.790
Ge	72	2	H2	96.99499803	1759347.167
In	115	1	He	95.04473234	6928184.513
Tb	159	1	He	96.67198960	15653340.600
Ir	193	1	He	95.25460692	7446264.057

Sample Name	CAL 4
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	008CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:38:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	104.429732	4.6	81383.470
Be	9	2	H2	105.027184	4.5	69748.700
B	11	2	H2	101.564918	8.2	73913.597
Na	23	1	He	2543.817389	0.4	5056242.110
Mg	24	1	He	2557.422805	1.1	2817140.477
Al	27	1	He	2531.582630	0.7	1508685.623
Si	28	2	H2	1281.165033	6.5	5794289.333
K	39	1	He	2541.859848	1.3	4298345.353
Ca	43	1	He	2563.429470	1.8	12908.263
Ca	44	1	He	2549.516458	0.9	215008.817
Ti	47	1	He	97.258389	0.9	52538.637
V	51	1	He	100.861507	1.1	1287103.300
Cr	52	1	He	102.032909	0.6	1559173.500
Mn	55	1	He	102.832095	0.5	1187745.083
Fe	56	1	He	1277.098105	0.5	17853582.000
Co	59	1	He	102.097350	0.0	2334415.083
Ni	60	1	He	103.550361	0.4	580399.310
Cu	63	1	He	102.718533	0.9	1481674.503
Zn	66	1	He	102.091591	0.4	303704.207
As	75	1	He	98.710076	0.7	240629.347
Se	78	2	H2	98.859667	1.3	113735.250
Sr	88	1	He	98.579152	0.8	1935049.763
Mo	95	1	He	98.420662	1.3	886862.227
Pd	105	1	He	101.537985	1.0	1272062.713
Ag	107	1	He	51.904865	1.9	1296703.027
Cd	111	1	He	101.044925	0.8	480226.800
Sn	118	1	He	97.346916	0.8	1214860.447
Sb	121	1	He	93.544700	1.5	1523061.853
Ba	138	1	He	99.560924	1.5	3935619.730
Pt	195	1	He	100.752779	1.6	1482131.227
Hg	202	1	He	4.002670	1.6	29778.027
Tl	205	1	He	51.113131	2.1	2747569.750
Pb	206	1	He	103.336300	2.4	1886244.503
Pb	207	1	He	104.046783	1.5	1586796.383
Pb	208	1	He	103.718729	1.4	7468041.557
Bi	209	1	He	105.444108	1.6	5974420.330
Th	232	1	He	100.535199	0.8	8091429.880
U	238	1	He	100.603868	0.8	8282023.837

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.97979201	1093406.000
Sc	45	2	H2	97.51235358	6535445.333
Ge	72	1	He	101.6946119	688616.377
Ge	72	2	H2	97.99522103	1777489.747
In	115	1	He	97.39964807	7099843.587
Tb	159	1	He	97.88407123	15849603.517
Ir	193	1	He	96.57758858	7549684.470

Sample Name	CAL 5
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	009CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:42:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	255.069899	5.1	200641.927
Be	9	2	H2	255.740584	4.8	171510.963
B	11	2	H2	249.171541	7.7	178707.103
Na	23	1	He	6267.854195	0.6	12604726.893
Mg	24	1	He	6251.565613	0.4	6976960.523
Al	27	1	He	6204.707037	0.3	3748680.667
Si	28	2	H2	3113.864656	8.3	14208806.000
K	39	1	He	6257.128550	0.5	10529996.090
Ca	43	1	He	6311.143530	0.4	32206.450
Ca	44	1	He	6304.641600	2.1	538788.700
Ti	47	1	He	240.557094	1.1	131748.330
V	51	1	He	249.463248	0.7	3230433.527
Cr	52	1	He	249.183500	0.4	3859851.833
Mn	55	1	He	248.988469	0.4	2914384.833
Fe	56	1	He	3157.156525	0.6	44722581.333
Co	59	1	He	251.463770	0.3	5767475.667
Ni	60	1	He	251.748935	0.6	1414150.917
Cu	63	1	He	251.816058	0.8	3643294.083
Zn	66	1	He	252.137227	0.3	752068.500
As	75	1	He	247.813926	0.5	605576.417
Se	78	2	H2	248.314279	0.6	287453.947
Sr	88	1	He	246.528304	0.9	4817545.867
Mo	95	1	He	243.004916	0.9	2196615.750
Pd	105	1	He	248.631872	0.9	3101083.807
Ag	107	1	He	128.114078	1.1	3185273.080
Cd	111	1	He	251.797691	1.1	1191383.733
Sn	118	1	He	240.572470	1.2	2988760.477
Sb	121	1	He	238.292825	1.7	3862386.820
Ba	138	1	He	251.640636	0.7	9855220.477
Pt	195	1	He	247.785833	0.4	3611230.153
Hg	202	1	He	9.996915	1.1	73551.663
Tl	205	1	He	127.999966	1.2	6816193.853
Pb	206	1	He	254.762777	1.8	4607203.160
Pb	207	1	He	256.790078	1.6	3878425.047
Pb	208	1	He	258.304274	0.8	18424418.267
Bi	209	1	He	266.602135	0.4	14963948.947
Th	232	1	He	256.919827	2.5	20222414.700
U	238	1	He	255.150605	2.1	20543041.360

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.3679365	1108587.123
Sc	45	2	H2	98.48401625	6600567.833
Ge	72	1	He	102.0132464	690773.983
Ge	72	2	H2	98.60862302	1788615.960
In	115	1	He	96.97364523	7068790.563
Tb	159	1	He	96.96352367	15700546.437
Ir	193	1	He	94.47750063	7385515.933

Sample Name	CAL 6
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	010CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:46:02
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	496.516749	2.1	383640.423
Be	9	2	H2	496.014180	2.1	326794.427
B	11	2	H2	500.195900	3.4	349388.760
Na	23	1	He	25040.95008	1.6	50911537.573
Mg	24	1	He	25129.06032	1.1	28373874.580
Al	27	1	He	25014.01501	1.4	15294900.667
Si	28	2	H2	11842.89984	5.8	53092864.000
K	39	1	He	25072.45980	1.1	42293527.700
Ca	43	1	He	25252.85363	1.0	130397.990
Ca	44	1	He	24877.78453	1.7	2151164.917
Ti	47	1	He	505.564141	0.8	280248.617
V	51	1	He	500.029304	1.8	6555303.213
Cr	52	1	He	499.906861	1.6	7836676.500
Mn	55	1	He	499.870937	0.9	5920965.667
Fe	56	1	He	12637.74649	0.7	181141290.667
Co	59	1	He	498.784820	0.5	11403940.000
Ni	60	1	He	498.311534	0.8	2789511.750
Cu	63	1	He	498.393143	0.4	7187917.167
Zn	66	1	He	498.579942	0.4	1482278.710
As	75	1	He	501.559273	0.5	1221509.290
Se	78	2	H2	501.345022	0.7	574500.730
Sr	88	1	He	502.164456	1.5	9626773.813
Mo	95	1	He	504.085031	0.8	4542281.807
Pd	105	1	He	500.386094	1.5	6122653.033
Ag	107	1	He	248.030583	1.9	6048764.493
Cd	111	1	He	498.892121	0.6	2315881.707
Sn	118	1	He	505.417128	1.3	6159774.283
Sb	121	1	He	507.378417	2.0	8067542.173
Ba	138	1	He	499.300806	0.6	20265918.033
Pt	195	1	He	500.956359	0.6	7566458.637
Hg	202	1	He	19.999142	1.2	152411.880
Tl	205	1	He	248.177370	0.4	13696413.550
Pb	206	1	He	496.808797	0.6	9311871.737
Pb	207	1	He	495.629280	1.0	7757538.427
Pb	208	1	He	495.044960	0.4	36595649.457
Bi	209	1	He	490.541541	0.7	28533571.240
Th	232	1	He	496.707400	1.4	40026914.403
U	238	1	He	497.505139	2.8	41001963.557

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.6027954	1122091.873
Sc	45	2	H2	96.76372061	6485270.667
Ge	72	1	He	101.6937686	688610.667
Ge	72	2	H2	97.61865185	1770659.333
In	115	1	He	95.13948805	6935091.630
Tb	159	1	He	100.4919595	16271878.510
Ir	193	1	He	96.70919173	7559972.180

Sample Name	CAL 7
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	011CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:49:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.236603	6.5	248.167
Be	9	2	H2	0.085534	20.7	62.667
B	11	2	H2	1.885406	10.8	4270.563
Na	23	1	He	49975.45837	1.4	99984215.177
Mg	24	1	He	49932.71793	1.8	55485204.170
Al	27	1	He	49997.24630	0.5	30089264.000
Si	28	2	H2	21738.13736	6.1	97008416.000
K	39	1	He	49961.17359	0.8	82811398.763
Ca	43	1	He	49863.06277	0.5	253405.057
Ca	44	1	He	50052.63647	1.1	4259964.837
Ti	47	1	He	2.054192	1.5	1124.040
V	51	1	He	0.013823	656.6	-1668.190
Cr	52	1	He	0.145867	5.4	2836.900
Mn	55	1	He	0.501203	4.3	6823.970
Fe	56	1	He	24925.68609	1.2	351593504.000
Co	59	1	He	0.158644	3.6	3653.050
Ni	60	1	He	0.083110	27.6	1363.390
Cu	63	1	He	0.149996	6.1	2446.843
Zn	66	1	He	0.670116	2.2	2182.810
As	75	1	He	0.170416	6.1	687.677
Se	78	2	H2	0.093600	28.8	124.667
Sr	88	1	He	0.537331	1.4	10344.790
Mo	95	1	He	0.132898	7.1	1195.053
Pd	105	1	He	0.040935	34.9	526.680
Ag	107	1	He	0.346599	20.2	9179.230
Cd	111	1	He	0.062436	4.1	287.980
Sn	118	1	He	0.065533	19.8	953.370
Sb	121	1	He	0.099584	4.7	1648.437
Ba	138	1	He	0.471555	1.9	18830.587
Pt	195	1	He	0.034557	22.5	600.027
Hg	202	1	He	0.083625	6.2	700.030
Tl	205	1	He	0.156280	29.6	9202.887
Pb	206	1	He	0.413296	1.0	7655.243
Pb	207	1	He	0.429957	6.4	7543.513
Pb	208	1	He	0.416161	2.1	31301.990
Bi	209	1	He	0.029871	12.9	3307.080
Th	232	1	He	0.098508	4.2	7762.000
U	238	1	He	0.034692	14.1	2861.967

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.9820456	1104366.917
Sc	45	2	H2	96.39728466	6460711.500
Ge	72	1	He	99.41573950	673185.187
Ge	72	2	H2	97.39467658	1766596.750
In	115	1	He	93.50846950	6816200.270
Tb	159	1	He	98.05806939	15877777.680
Ir	193	1	He	93.86554249	7337677.807

Sample Name	ICV
Sample Type	ICV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	012_ICV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:53:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	84.602432	5.4	68494.783
Be	9	2	H2	85.386676	4.8	58902.297
B	11	2	H2	84.395635	4.3	64287.640
Na	23	1	He	2055.950750	0.6	4190870.560
Mg	24	1	He	2067.957641	1.3	2334831.733
Al	27	1	He	2060.124696	0.9	1258061.417
Si	28	2	H2	1059.077275	4.7	4976184.667
K	39	1	He	2033.360974	0.9	3550714.840
Ca	43	1	He	2054.272087	1.4	10601.780
Ca	44	1	He	2029.597065	0.8	175420.973
Ti	47	1	He	78.479958	1.3	43440.197
V	51	1	He	83.565747	0.2	1092419.987
Cr	52	1	He	83.507170	0.9	1307708.500
Mn	55	1	He	84.767634	1.0	1003403.147
Fe	56	1	He	1044.736802	0.9	14968518.667
Co	59	1	He	81.747481	0.7	1912187.417
Ni	60	1	He	83.929785	0.3	481459.803
Cu	63	1	He	85.718930	0.3	1265082.250
Zn	66	1	He	82.324082	0.4	250594.187
As	75	1	He	79.039959	0.5	197184.657
Se	78	2	H2	80.154135	2.0	95108.777
Sr	88	1	He	77.582713	0.1	1562565.913
Mo	95	1	He	80.092631	1.1	738346.943
Pd	105	1	He	82.000035	0.9	1053997.510
Ag	107	1	He	41.198087	3.9	1056127.147
Cd	111	1	He	81.022550	0.7	395073.063
Sn	118	1	He	80.138164	1.7	1026099.253
Sb	121	1	He	77.798567	1.4	1299581.440
Ba	138	1	He	80.725682	1.5	3304777.557
Pt	195	1	He	82.223492	1.1	1252731.620
Hg	202	1	He	3.785861	0.1	29167.020
Tl	205	1	He	39.805629	0.3	2216375.280
Pb	206	1	He	80.777655	1.2	1527106.750
Pb	207	1	He	87.152466	0.9	1376679.510
Pb	208	1	He	82.743597	0.7	6170369.650
Bi	209	1	He	84.769681	1.4	4974519.820
Th	232	1	He	79.739731	1.2	6667158.443
U	238	1	He	77.220550	1.2	6604243.650

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.4479933	1120398.917
Sc	45	2	H2	101.3364474	6791742.667
Ge	72	1	He	104.0395828	704495.147
Ge	72	2	H2	101.0806411	1833454.747
In	115	1	He	99.93216568	7284448.760
Tb	159	1	He	101.3577148	16412063.507
Ir	193	1	He	100.3411058	7843886.967

Sample Name	ICB
Sample Type	ICB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	013_ICB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:57:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.109994	3.6	160.333
Be	9	2	H2	0.057650	11.3	46.833
B	11	2	H2	1.234528	14.5	4057.173
Na	23	1	He	2.328828	9.7	23136.187
Mg	24	1	He	-0.189264		3467.030
Al	27	1	He	0.918723	7.8	820.687
Si	28	2	H2	7.801020	8.2	49988.857
K	39	1	He	0.413038	170.1	137238.090
Ca	43	1	He	1.290338	41.6	17.660
Ca	44	1	He	0.952781	24.2	275.577
Ti	47	1	He	0.005940	127.7	6.667
V	51	1	He	0.000269	7060.7	-1856.400
Cr	52	1	He	0.006639	45.9	696.683
Mn	55	1	He	-0.040751		513.343
Fe	56	1	He	0.323300	25.2	22775.670
Co	59	1	He	0.004982	52.0	222.667
Ni	60	1	He	-0.054114		622.680
Cu	63	1	He	0.020696	5.6	634.010
Zn	66	1	He	0.003118	316.0	248.000
As	75	1	He	0.005508	4.5	299.833
Se	78	2	H2	0.013300	19.3	34.667
Sr	88	1	He	0.002042	132.8	276.673
Mo	95	1	He	0.012827	20.0	140.000
Pd	105	1	He	0.009038	35.6	153.337
Ag	107	1	He	0.210570	16.7	6344.583
Cd	111	1	He	0.017369	11.9	88.293
Sn	118	1	He	0.020214	14.8	440.010
Sb	121	1	He	0.012124	37.8	301.673
Ba	138	1	He	0.007086	20.3	456.680
Pt	195	1	He	0.007223	37.6	206.673
Hg	202	1	He	0.033318	41.9	340.010
Tl	205	1	He	0.066643	20.8	4552.370
Pb	206	1	He	0.019344	14.1	470.010
Pb	207	1	He	0.015784	75.9	1276.733
Pb	208	1	He	0.018231	18.5	2718.450
Bi	209	1	He	0.005650	103.2	2016.837
Th	232	1	He	0.009010	16.6	826.700
U	238	1	He	0.006378	29.6	648.353

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.0773572	1116345.540
Sc	45	2	H2	102.3746606	6861325.500
Ge	72	1	He	100.9436821	683531.520
Ge	72	2	H2	102.8954999	1866373.627
In	115	1	He	100.2260448	7305870.770
Tb	159	1	He	102.4310749	16585864.337
Ir	193	1	He	102.2799153	7995448.007

Sample Name	ICB
Sample Type	ICB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	014_ICB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:00:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.077377	1.6	133.833
Be	9	2	H2	0.028943	10.6	26.833
B	11	2	H2	0.700267	77.5	3670.443
Na	23	1	He	1.344334	19.1	21305.640
Mg	24	1	He	-0.791655		2811.900
Al	27	1	He	0.357371	20.1	483.010
Si	28	2	H2	3.847113	13.4	31301.863
K	39	1	He	-0.507135		136712.043
Ca	43	1	He	0.211507	190.1	12.217
Ca	44	1	He	0.467934	145.7	235.493
Ti	47	1	He	0.005850	94.7	6.667
V	51	1	He	0.022813	75.8	-1574.723
Cr	52	1	He	0.003325	30.2	650.017
Mn	55	1	He	-0.046858		444.677
Fe	56	1	He	-0.058222		17471.113
Co	59	1	He	0.000391	145.1	119.333
Ni	60	1	He	-0.065598		562.677
Cu	63	1	He	0.013110	16.9	528.677
Zn	66	1	He	0.003768	374.9	251.333
As	75	1	He	0.001242	327.8	291.500
Se	78	2	H2	0.009577	15.9	30.000
Sr	88	1	He	0.002150	38.6	281.677
Mo	95	1	He	0.004042	82.4	61.667
Pd	105	1	He	0.007398	53.4	133.337
Ag	107	1	He	0.051553	14.7	2278.507
Cd	111	1	He	0.014886	46.4	76.647
Sn	118	1	He	0.011787	18.3	335.010
Sb	121	1	He	0.003874	41.7	165.000
Ba	138	1	He	0.003047	26.1	290.007
Pt	195	1	He	0.005269	84.9	176.670
Hg	202	1	He	0.016089	54.5	206.673
Tl	205	1	He	0.013673	23.1	1576.760
Pb	206	1	He	0.007878	15.0	251.673
Pb	207	1	He	0.005425	87.0	1111.720
Pb	208	1	He	0.008559	16.7	1991.747
Bi	209	1	He	0.004036	43.9	1923.503
Th	232	1	He	0.002468	42.5	268.337
U	238	1	He	0.001921	13.5	260.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.8359797	1124642.040
Sc	45	2	H2	102.5086371	6870304.833
Ge	72	1	He	101.6127418	688062.000
Ge	72	2	H2	102.3742477	1856918.877
In	115	1	He	101.1695363	7374645.573
Tb	159	1	He	102.5419101	16603811.003
Ir	193	1	He	101.8860280	7964656.967

Sample Name	CRDL
Sample Type	CRDL
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	015CRD.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:04:22
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.576017	6.2	551.010
Be	9	2	H2	0.241971	1.9	178.333
B	11	2	H2	10.663904	10.3	11156.870
Na	23	1	He	52.169972	1.4	125308.807
Mg	24	1	He	30.938082	0.7	38862.343
Al	27	1	He	31.460536	1.6	19617.340
Si	28	2	H2	107.518229	4.0	531510.843
K	39	1	He	102.914605	2.5	312160.067
Ca	43	1	He	102.079995	4.0	541.360
Ca	44	1	He	102.816305	2.7	9139.720
Ti	47	1	He	1.064968	3.2	597.343
V	51	1	He	1.008817	5.2	11432.217
Cr	52	1	He	2.087751	2.3	33522.213
Mn	55	1	He	0.479131	3.0	6713.267
Fe	56	1	He	53.417567	1.0	788573.647
Co	59	1	He	0.540056	2.6	12509.703
Ni	60	1	He	0.448004	5.0	3452.340
Cu	63	1	He	1.106259	2.2	16363.457
Zn	66	1	He	5.127540	1.9	15547.437
As	75	1	He	0.495006	4.3	1500.230
Se	78	2	H2	0.489279	6.4	614.677
Sr	88	1	He	0.495182	1.8	10379.823
Mo	95	1	He	0.531964	2.6	4839.060
Pd	105	1	He	0.543185	5.1	7138.320
Ag	107	1	He	0.449699	5.4	12663.053
Cd	111	1	He	0.085738	4.2	428.560
Sn	118	1	He	0.490150	2.8	6564.643
Sb	121	1	He	0.502851	1.5	8642.263
Ba	138	1	He	0.305246	2.4	12876.673
Pt	195	1	He	0.511012	4.3	8015.490
Hg	202	1	He	0.150689	3.8	1260.080
Tl	205	1	He	0.097102	7.1	6309.643
Pb	206	1	He	0.517899	1.8	10059.913
Pb	207	1	He	0.520317	0.5	9384.483
Pb	208	1	He	0.518141	0.7	40645.223
Bi	209	1	He	0.521463	3.1	32804.073
Th	232	1	He	0.490189	0.9	41802.460
U	238	1	He	0.485135	1.8	42352.307

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.2247280	1128893.497
Sc	45	2	H2	104.2361095	6986083.000
Ge	72	1	He	102.1246427	691528.293
Ge	72	2	H2	103.7590182	1882036.583
In	115	1	He	101.6303701	7408237.563
Tb	159	1	He	103.0930338	16693050.167
Ir	193	1	He	102.1914061	7988529.050

Sample Name	ICSA
Sample Type	ICSA
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	016ICSA.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:07:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.217708	7.3	236.667
Be	9	2	H2	0.024340	19.5	22.500
B	11	2	H2	0.319905	58.4	3227.017
Na	23	1	He	26334.75532	0.9	52583800.883
Mg	24	1	He	25841.62796	1.2	28655590.407
Al	27	1	He	25489.27325	1.1	15306559.667
Si	28	2	H2	2.533991	14.2	23867.557
K	39	1	He	25907.81402	1.1	42914571.027
Ca	43	1	He	25434.81341	1.3	128983.683
Ca	44	1	He	25687.17366	0.2	2181626.340
Ti	47	1	He	490.303900	1.1	266915.690
V	51	1	He	0.002582	2444.8	-1803.647
Cr	52	1	He	0.239094	2.5	4266.517
Mn	55	1	He	-0.010736		856.023
Fe	56	1	He	26291.76964	1.4	370062762.667
Co	59	1	He	0.056891	6.1	1368.057
Ni	60	1	He	-0.016340		812.023
Cu	63	1	He	0.072501	6.8	1343.390
Zn	66	1	He	0.144964	8.4	650.680
As	75	1	He	0.046550	4.4	389.500
Se	78	2	H2	0.040927	43.4	65.333
Sr	88	1	He	0.244641	10.0	4982.427
Mo	95	1	He	537.052400	0.5	4689323.890
Pd	105	1	He	0.004673	21.3	93.333
Ag	107	1	He	0.036380	21.3	1798.453
Cd	111	1	He	-0.024696		-113.400
Sn	118	1	He	0.014273	8.4	350.010
Sb	121	1	He	0.011481	22.1	280.007
Ba	138	1	He	0.009423	9.3	543.347
Pt	195	1	He	0.001945	47.5	123.333
Hg	202	1	He	0.009528	74.0	153.337
Tl	205	1	He	0.012222	32.4	1463.413
Pb	206	1	He	0.016181	34.0	401.677
Pb	207	1	He	0.007559	78.5	1123.387
Pb	208	1	He	0.013810	21.8	2340.097
Bi	209	1	He	-0.000523		1620.117
Th	232	1	He	0.003795	18.4	370.010
U	238	1	He	0.001933	30.8	253.337

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.7684027	1102030.460
Sc	45	2	H2	97.41916488	6529199.667
Ge	72	1	He	98.54141751	667264.790
Ge	72	2	H2	98.63955624	1789177.043
In	115	1	He	96.47908511	7032740.130
Tb	159	1	He	100.4818415	16270240.177
Ir	193	1	He	98.61192168	7708712.803

Sample Name	ICSAB
Sample Type	ICSB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	017ICSB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:11:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	103.158491	4.6	82365.987
Be	9	2	H2	105.937984	4.0	72071.723
B	11	2	H2	98.244158	8.1	73361.417
Na	23	1	He	27980.91048	1.2	57351577.480
Mg	24	1	He	27542.66598	1.5	31350791.197
Al	27	1	He	27294.99455	1.5	16825088.000
Si	28	2	H2	1246.366289	7.2	5776280.167
K	39	1	He	27745.45432	1.6	47165904.297
Ca	43	1	He	27399.74023	0.7	142642.127
Ca	44	1	He	27322.52582	1.5	2381763.513
Ti	47	1	He	577.397176	1.0	322673.397
V	51	1	He	105.065421	2.5	1386962.323
Cr	52	1	He	103.906977	1.4	1642638.330
Mn	55	1	He	103.342463	1.6	1234820.917
Fe	56	1	He	26648.17958	1.9	385004586.667
Co	59	1	He	105.655498	0.6	2418851.250
Ni	60	1	He	105.840403	0.3	593997.707
Cu	63	1	He	103.213157	0.8	1490741.750
Zn	66	1	He	103.245863	0.8	307530.157
As	75	1	He	102.400262	0.5	249946.150
Se	78	2	H2	102.927697	1.0	121404.383
Sr	88	1	He	101.162099	0.7	1981308.097
Mo	95	1	He	611.532845	0.7	5517646.583
Pd	105	1	He	98.293186	0.6	1228716.153
Ag	107	1	He	50.264754	3.5	1253084.850
Cd	111	1	He	101.508815	0.4	481366.210
Sn	118	1	He	99.503563	0.7	1239038.600
Sb	121	1	He	97.593845	1.2	1585388.623
Ba	138	1	He	102.094213	0.0	4185997.650
Pt	195	1	He	98.802881	0.4	1507554.927
Hg	202	1	He	3.883093	1.2	29958.427
Tl	205	1	He	50.226002	0.6	2800630.687
Pb	206	1	He	100.207026	1.1	1897312.577
Pb	207	1	He	100.013397	1.9	1582083.363
Pb	208	1	He	100.192851	0.9	7482717.963
Bi	209	1	He	100.049395	0.8	5879870.957
Th	232	1	He	99.758214	1.1	8257111.130
U	238	1	He	100.301055	0.8	8491847.790

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.4451645	1131304.250
Sc	45	2	H2	99.89791865	6695330.000
Ge	72	1	He	101.8279636	689519.357
Ge	72	2	H2	100.4649631	1822287.250
In	115	1	He	97.18447274	7084158.610
Tb	159	1	He	101.5103730	16436782.257
Ir	193	1	He	99.32126889	7764164.050

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	018_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:15:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.248261	5.4	68357.947
Be	9	2	H2	81.949594	4.8	58026.490
B	11	2	H2	80.064528	5.6	62762.497
Na	23	1	He	2056.746694	0.9	4228305.143
Mg	24	1	He	2061.087722	0.7	2347024.757
Al	27	1	He	2011.395929	0.5	1238813.413
Si	28	2	H2	1003.345634	5.2	4840090.500
K	39	1	He	2004.407950	0.3	3532113.490
Ca	43	1	He	2026.899045	0.9	10550.630
Ca	44	1	He	2026.910795	1.5	176682.480
Ti	47	1	He	77.476690	0.6	43252.463
V	51	1	He	82.146736	1.0	1082977.737
Cr	52	1	He	83.081448	0.5	1312119.707
Mn	55	1	He	84.023658	0.8	1003093.000
Fe	56	1	He	1044.447381	1.3	15092055.667
Co	59	1	He	81.977855	1.4	1921163.373
Ni	60	1	He	83.640072	1.2	480694.857
Cu	63	1	He	85.912879	0.5	1270300.040
Zn	66	1	He	82.145566	0.4	250527.343
As	75	1	He	79.251650	0.3	198084.213
Se	78	2	H2	78.584862	0.7	95736.880
Sr	88	1	He	76.078026	0.7	1549400.810
Mo	95	1	He	80.751674	0.6	745863.037
Pd	105	1	He	81.501738	1.8	1059264.437
Ag	107	1	He	41.238729	3.6	1068890.247
Cd	111	1	He	80.933158	1.2	399039.280
Sn	118	1	He	79.490727	0.9	1029231.130
Sb	121	1	He	76.920626	1.2	1299290.477
Ba	138	1	He	79.322420	1.2	3304990.473
Pt	195	1	He	82.102409	2.8	1272845.453
Hg	202	1	He	3.748896	1.4	29394.210
Tl	205	1	He	39.581112	2.7	2242667.990
Pb	206	1	He	80.503880	3.1	1548730.760
Pb	207	1	He	85.466223	2.0	1373886.593
Pb	208	1	He	82.014526	1.8	6224199.700
Bi	209	1	He	83.867672	1.9	5008660.343
Th	232	1	He	78.410899	0.9	6669148.863
U	238	1	He	75.836606	0.9	6597759.277

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.3212762	1129949.373
Sc	45	2	H2	104.0069698	6970725.667
Ge	72	1	He	104.2352425	705820.040
Ge	72	2	H2	103.7544906	1881954.460
In	115	1	He	101.0532908	7366171.987
Tb	159	1	He	103.1622054	16704250.583
Ir	193	1	He	102.0662657	7978746.547

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	019_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:18:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.076596	6.4	136.833
Be	9	2	H2	0.029105	14.4	27.667
B	11	2	H2	0.370537	115.0	3527.070
Na	23	1	He	1.782738	13.5	22502.030
Mg	24	1	He	-1.069290		2531.857
Al	27	1	He	0.504996	15.7	581.343
Si	28	2	H2	1.188664	17.5	19200.703
K	39	1	He	0.291799	297.1	139951.497
Ca	43	1	He	-0.141758		10.530
Ca	44	1	He	-0.253668		175.387
Ti	47	1	He	0.030606	68.8	20.667
V	51	1	He	0.017184	239.2	-1672.820
Cr	52	1	He	-0.000463		598.677
Mn	55	1	He	-0.044273		482.010
Fe	56	1	He	0.284590	15.4	22704.160
Co	59	1	He	0.003650	31.6	196.667
Ni	60	1	He	-0.083660		468.677
Cu	63	1	He	0.018284	12.0	612.677
Zn	66	1	He	0.008138	70.5	268.667
As	75	1	He	-0.003624		283.833
Se	78	2	H2	0.006655	63.3	27.333
Sr	88	1	He	0.002208	107.2	288.337
Mo	95	1	He	0.026896	7.4	271.673
Pd	105	1	He	0.010454	15.8	176.673
Ag	107	1	He	0.242996	12.4	7388.327
Cd	111	1	He	0.012201	27.6	64.917
Sn	118	1	He	0.017860	8.7	421.677
Sb	121	1	He	0.010542	17.0	283.340
Ba	138	1	He	0.007729	21.2	493.347
Pt	195	1	He	0.005883	39.7	190.007
Hg	202	1	He	0.023961	30.4	273.343
Tl	205	1	He	0.060078	20.7	4267.290
Pb	206	1	He	0.012012	24.8	336.677
Pb	207	1	He	0.017482	23.1	1330.070
Pb	208	1	He	0.012563	9.6	2338.433
Bi	209	1	He	0.007201	28.8	2153.533
Th	232	1	He	0.007586	5.4	720.023
U	238	1	He	0.005808	15.6	611.683

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	104.2498609	1140104.627
Sc	45	2	H2	105.2880596	7056586.500
Ge	72	1	He	103.1461550	698445.377
Ge	72	2	H2	105.5056379	1913717.707
In	115	1	He	103.1556907	7519424.183
Tb	159	1	He	104.5296832	16925675.583
Ir	193	1	He	104.2806686	8151851.337

Sample Name	4317543_B70165Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	020SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:22:21
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.100128	4.0	159.000
Be	9	2	H2	0.074109	3.9	60.833
B	11	2	H2	0.852342	53.2	3947.183
Na	23	1	He	11.083702	0.8	42216.270
Mg	24	1	He	1.933672	9.3	6049.377
Al	27	1	He	3.810240	1.9	2666.863
Si	28	2	H2	2.773164	13.8	27336.817
K	39	1	He	4.015747	4.8	148093.000
Ca	43	1	He	9.863216	7.5	63.793
Ca	44	1	He	10.753542	8.6	1156.487
Ti	47	1	He	0.075743	25.8	46.667
V	51	1	He	0.037570	123.2	-1415.840
Cr	52	1	He	0.428738	1.4	7524.910
Mn	55	1	He	0.062560	13.9	1788.767
Fe	56	1	He	5.951665	0.4	106504.293
Co	59	1	He	0.041054	7.3	1072.703
Ni	60	1	He	-0.012902		877.360
Cu	63	1	He	0.278099	1.3	4448.570
Zn	66	1	He	1.271150	3.0	4109.147
As	75	1	He	0.005027	108.3	307.667
Se	78	2	H2	0.022067	19.1	46.667
Sr	88	1	He	0.063218	2.3	1576.757
Mo	95	1	He	0.064309	11.4	618.350
Pd	105	1	He	0.004825	68.8	103.333
Ag	107	1	He	0.066564	4.0	2756.913
Cd	111	1	He	0.050628	21.7	261.483
Sn	118	1	He	0.289547	4.7	4063.850
Sb	121	1	He	0.020255	12.4	456.677
Ba	138	1	He	0.067672	1.0	3050.307
Pt	195	1	He	0.007048	33.4	210.003
Hg	202	1	He	0.021583	15.6	256.677
Tl	205	1	He	0.027139	9.9	2400.207
Pb	206	1	He	0.344258	2.9	6873.190
Pb	207	1	He	0.338667	1.2	6614.773
Pb	208	1	He	0.346698	1.8	28273.300
Bi	209	1	He	0.046181	6.7	4550.747
Th	232	1	He	0.019214	6.1	1733.447
U	238	1	He	0.017872	13.7	1686.777

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.5136602	1153925.877
Sc	45	2	H2	106.8913086	7164039.000
Ge	72	1	He	103.9799355	704091.250
Ge	72	2	H2	106.1109124	1924696.500
In	115	1	He	104.5001563	7617427.573
Tb	159	1	He	105.4259392	17070799.330
Ir	193	1	He	104.4893424	8168163.833

Sample Name	4319213_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	021SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:25:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.067005	9.4	130.500
Be	9	2	H2	0.021254	17.1	22.333
B	11	2	H2	0.684516	58.5	3813.810
Na	23	1	He	3.693542	5.5	27033.113
Mg	24	1	He	1.298359	18.1	5364.160
Al	27	1	He	4.799778	2.7	3321.303
Si	28	2	H2	2.504443	10.5	25948.907
K	39	1	He	0.838140	206.0	143999.403
Ca	43	1	He	27.384279	6.9	158.360
Ca	44	1	He	27.396033	9.4	2661.783
Ti	47	1	He	0.072646	50.0	45.333
V	51	1	He	-0.061743		-2782.750
Cr	52	1	He	0.798886	3.9	13624.463
Mn	55	1	He	0.004618	142.2	1094.037
Fe	56	1	He	5.991922	0.3	108151.240
Co	59	1	He	0.002603	26.9	175.333
Ni	60	1	He	-0.056395		634.010
Cu	63	1	He	0.041832	11.2	973.363
Zn	66	1	He	0.497687	2.0	1774.097
As	75	1	He	-0.017944		252.667
Se	78	2	H2	0.009233	37.0	30.667
Sr	88	1	He	0.176483	2.3	3965.490
Mo	95	1	He	0.017800	7.9	191.667
Pd	105	1	He	0.003593	25.3	86.667
Ag	107	1	He	0.023795	21.0	1613.427
Cd	111	1	He	0.009430	5.0	51.610
Sn	118	1	He	0.041540	6.1	745.023
Sb	121	1	He	0.167898	6.8	3036.967
Ba	138	1	He	0.074503	6.3	3312.027
Pt	195	1	He	0.015630	10.7	343.343
Hg	202	1	He	0.011764	28.6	176.670
Tl	205	1	He	0.005018	25.3	1110.050
Pb	206	1	He	0.012503	8.4	346.677
Pb	207	1	He	0.015755	32.2	1301.737
Pb	208	1	He	0.013448	12.0	2406.773
Bi	209	1	He	0.001053	231.8	1780.137
Th	232	1	He	0.002331	12.3	265.007
U	238	1	He	0.000841	69.3	171.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	106.5523290	1165285.040
Sc	45	2	H2	106.7052868	7151571.500
Ge	72	1	He	104.8893742	710249.437
Ge	72	2	H2	106.1747338	1925854.127
In	115	1	He	104.5893981	7623932.760
Tb	159	1	He	104.5317495	16926010.167
Ir	193	1	He	104.8344272	8195139.877

Sample Name	4319214_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	022SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:29:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	109.982619	4.1	91363.170
Be	9	2	H2	111.153695	3.2	78673.220
B	11	2	H2	109.301865	4.5	84498.400
Na	23	1	He	2236.280549	7.2	4513044.830
Mg	24	1	He	2230.105869	7.3	2493398.087
Al	27	1	He	2170.785797	6.6	1313237.333
Si	28	2	H2	550.037296	4.3	2658915.083
K	39	1	He	2188.624944	7.5	3774815.150
Ca	43	1	He	2267.245627	7.5	11586.650
Ca	44	1	He	2215.570729	5.4	189775.787
Ti	47	1	He	104.492052	6.8	57294.953
V	51	1	He	109.927161	7.1	1423812.050
Cr	52	1	He	111.019565	6.8	1721855.250
Mn	55	1	He	110.704864	6.7	1297807.000
Fe	56	1	He	2226.551270	6.9	31577944.000
Co	59	1	He	114.589870	6.0	2599829.500
Ni	60	1	He	115.726558	6.1	643524.313
Cu	63	1	He	114.099762	5.7	1633295.250
Zn	66	1	He	111.878043	5.5	330290.947
As	75	1	He	109.002738	5.6	263678.933
Se	78	2	H2	105.701079	0.8	128529.583
Sr	88	1	He	105.970811	5.9	2091615.543
Mo	95	1	He	109.243641	6.2	976758.630
Pd	105	1	He	22.543129	5.1	284095.353
Ag	107	1	He	50.077257	2.4	1259672.533
Cd	111	1	He	108.427135	4.9	518343.940
Sn	118	1	He	105.013047	5.6	1317952.117
Sb	121	1	He	102.425110	7.0	1676142.213
Ba	138	1	He	109.590534	5.9	4296895.877
Pt	195	1	He	22.384606	4.6	326843.687
Hg	202	1	He	0.010358	31.5	153.337
Tl	205	1	He	110.889115	6.2	5911285.330
Pb	206	1	He	111.813922	6.0	2024441.947
Pb	207	1	He	114.735024	5.9	1735502.267
Pb	208	1	He	113.780336	6.1	8125115.710
Bi	209	1	He	115.115711	6.3	6468756.363
Th	232	1	He	111.549452	6.4	8991356.533
U	238	1	He	106.768143	6.6	8801870.077

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.7542830	1112812.313
Sc	45	2	H2	103.9792848	6968870.167
Ge	72	1	He	101.1282108	684781.040
Ge	72	2	H2	103.5730629	1878663.627
In	115	1	He	98.15267007	7154734.323
Tb	159	1	He	97.28331201	15752327.267
Ir	193	1	He	96.97645151	7580864.470

Sample Name	10607484001_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	023SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:33:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.766739	5.3	704.513
Be	9	2	H2	0.035767	49.2	32.000
B	11	2	H2	7.685057	1.3	8872.310
Na	23	1	He	8812.194105	0.5	18114906.397
Mg	24	1	He	2902.880082	0.4	3315049.120
Al	27	1	He	23.723973	0.9	14922.660
Si	28	2	H2	1534.268977	5.2	7355378.333
K	39	1	He	578.387593	1.1	1121276.730
Ca	43	1	He	12670.99282	0.6	66113.157
Ca	44	1	He	13139.21687	0.2	1148077.217
Ti	47	1	He	0.330654	10.3	188.667
V	51	1	He	1.423780	4.9	16976.520
Cr	52	1	He	1.699359	1.3	27516.817
Mn	55	1	He	373.139504	1.3	4465941.833
Fe	56	1	He	26376.49972	0.7	381957578.667
Co	59	1	He	1.001078	1.7	23327.047
Ni	60	1	He	6.649367	1.4	38686.623
Cu	63	1	He	5151.433004	0.6	75355157.333
Zn	66	1	He	179.505493	0.4	541457.230
As	75	1	He	1.920579	0.4	5036.047
Se	78	2	H2	0.132513	7.5	180.333
Sr	88	1	He	22.054497	1.8	449699.290
Mo	95	1	He	0.140877	2.2	1313.400
Pd	105	1	He	0.013288	5.3	210.007
Ag	107	1	He	0.762404	5.6	20705.883
Cd	111	1	He	3.687661	3.4	18201.003
Sn	118	1	He	9.631639	1.1	124975.980
Sb	121	1	He	1.115057	1.9	18948.967
Ba	138	1	He	15.790628	0.7	653416.087
Pt	195	1	He	0.113138	8.4	1836.817
Hg	202	1	He	0.026815	29.1	290.010
Tl	205	1	He	0.044703	14.4	3320.377
Pb	206	1	He	154.049330	0.8	2942972.767
Pb	207	1	He	154.373425	0.9	2463425.170
Pb	208	1	He	153.132373	0.8	11538771.177
Bi	209	1	He	0.354491	2.6	22696.560
Th	232	1	He	0.020612	3.2	1808.460
U	238	1	He	0.016072	8.4	1488.417

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.6629530	1133686.043
Sc	45	2	H2	103.4685871	6934642.333
Ge	72	1	He	103.1489422	698464.250
Ge	72	2	H2	103.8663565	1883983.543
In	115	1	He	101.1358073	7372186.940
Tb	159	1	He	102.4290858	16585542.250
Ir	193	1	He	101.8334704	7960548.423

Sample Name	10607907001_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	024SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:36:41
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	59.667660	1.4	44326.733
Be	9	2	H2	0.026927	31.9	23.167
B	11	2	H2	258.376464	1.5	174615.400
Na	23	1	He	111800.1953	0.5	219765683.390
Mg	24	1	He	204878.8681	0.9	223686803.333
Al	27	1	He	7.340229	2.1	4594.573
Si	28	2	H2	6091.775149	5.0	26215545.333
K	39	1	He	5885.469697	0.2	9703106.313
Ca	43	1	He	280910.0232	0.5	1402697.210
Ca	44	1	He	275006.7457	0.2	22997221.877
Ti	47	1	He	0.219978	14.5	121.333
V	51	1	He	3.824370	1.3	46697.117
Cr	52	1	He	0.786327	1.5	12499.000
Mn	55	1	He	61.196370	0.4	701876.103
Fe	56	1	He	59.630499	0.8	844128.253
Co	59	1	He	0.209248	2.4	4521.917
Ni	60	1	He	1.147090	0.6	6791.970
Cu	63	1	He	1.297746	0.8	17607.977
Zn	66	1	He	2.152487	3.3	6133.073
As	75	1	He	1.257282	0.4	3095.603
Se	78	2	H2	5.483085	1.8	6067.043
Sr	88	1	He	6058.498409	0.6	111895901.663
Mo	95	1	He	22.154661	0.1	184505.840
Pd	105	1	He	0.852935	10.0	10093.157
Ag	107	1	He	0.054676	7.5	2138.487
Cd	111	1	He	0.041744	11.7	189.650
Sn	118	1	He	0.094652	11.7	1276.727
Sb	121	1	He	0.063890	15.2	1068.377
Ba	138	1	He	20.529258	1.2	796843.580
Pt	195	1	He	0.142422	5.2	2146.860
Hg	202	1	He	0.008674	63.7	140.000
Tl	205	1	He	0.008067	25.1	1181.720
Pb	206	1	He	0.049133	2.0	975.040
Pb	207	1	He	0.044057	7.8	1620.100
Pb	208	1	He	0.048464	3.0	4686.967
Bi	209	1	He	0.006519	88.9	1940.160
Th	232	1	He	0.008542	11.3	710.023
U	238	1	He	27.887193	0.6	2191483.143

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.22436626	1085144.460
Sc	45	2	H2	92.98121529	6231760.667
Ge	72	1	He	93.97503437	636343.917
Ge	72	2	H2	93.98597369	1704767.873
In	115	1	He	91.65509797	6681100.727
Tb	159	1	He	96.08218474	15557838.103
Ir	193	1	He	92.18690643	7206455.100

Sample Name	4322991_B70189Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	025SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:40:17
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	13.034807	4.5	11417.790
Be	9	2	H2	0.014944	11.4	18.167
B	11	2	H2	57.461515	6.2	48182.513
Na	23	1	He	23316.35195	0.8	50492635.913
Mg	24	1	He	43002.39383	0.2	51710327.563
Al	27	1	He	2.739907	3.1	2064.787
Si	28	2	H2	1339.579060	6.8	6772033.500
K	39	1	He	1208.028850	0.3	2309466.113
Ca	43	1	He	56368.95345	0.2	309989.250
Ca	44	1	He	56148.08131	0.7	5170615.173
Ti	47	1	He	0.045772	36.2	30.667
V	51	1	He	0.659629	11.7	7216.023
Cr	52	1	He	0.169320	8.3	3460.343
Mn	55	1	He	12.677101	0.7	160959.650
Fe	56	1	He	12.528539	0.6	210691.933
Co	59	1	He	0.038628	4.4	1034.033
Ni	60	1	He	0.180001	8.8	2015.453
Cu	63	1	He	0.344777	0.6	5528.200
Zn	66	1	He	0.472003	5.6	1710.090
As	75	1	He	0.282171	4.2	1015.197
Se	78	2	H2	0.993144	1.2	1297.717
Sr	88	1	He	1210.038187	0.5	24901117.130
Mo	95	1	He	4.330768	0.6	40632.243
Pd	105	1	He	0.188994	3.8	2520.237
Ag	107	1	He	0.018090	14.0	1425.073
Cd	111	1	He	0.020277	28.6	104.477
Sn	118	1	He	0.024320	19.2	501.680
Sb	121	1	He	0.019239	28.2	428.347
Ba	138	1	He	4.238896	0.6	180527.250
Pt	195	1	He	0.039062	9.8	716.697
Hg	202	1	He	0.006165	73.2	133.333
Tl	205	1	He	-0.003840		606.687
Pb	206	1	He	0.018383	13.0	465.010
Pb	207	1	He	0.021837	20.1	1411.743
Pb	208	1	He	0.020384	10.0	2963.473
Bi	209	1	He	0.002342	100.2	1873.487
Th	232	1	He	0.001812	20.0	215.000
U	238	1	He	5.632428	1.2	493240.733

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	109.2720062	1195028.163
Sc	45	2	H2	108.9517129	7302130.833
Ge	72	1	He	105.8174791	716534.020
Ge	72	2	H2	109.6137701	1988233.207
In	115	1	He	102.1227912	7444132.073
Tb	159	1	He	105.3474396	17058088.497
Ir	193	1	He	102.7132987	8029326.550

Sample Name	4319215_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	026SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:43:52
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	163.182019	0.7	128249.870
Be	9	2	H2	101.148436	1.4	67777.033
B	11	2	H2	372.902709	1.7	265557.843
Na	23	1	He	122872.0277	3.3	257467236.163
Mg	24	1	He	222140.9917	3.9	258508249.480
Al	27	1	He	2091.103525	3.7	1318239.460
Si	28	2	H2	6908.407180	4.3	31479249.333
K	39	1	He	8386.954414	4.2	14675367.280
Ca	43	1	He	301477.5011	3.8	1604505.240
Ca	44	1	He	295744.5301	3.5	26360243.957
Ti	47	1	He	102.494936	4.4	58559.603
V	51	1	He	113.796125	3.7	1536360.827
Cr	52	1	He	106.760260	3.7	1725673.290
Mn	55	1	He	168.402145	3.9	2056690.873
Fe	56	1	He	2132.043076	3.6	31515542.000
Co	59	1	He	108.810830	3.8	2420637.833
Ni	60	1	He	108.736846	3.7	592967.627
Cu	63	1	He	106.151248	4.3	1489625.123
Zn	66	1	He	102.918889	3.0	297938.917
As	75	1	He	113.848921	2.9	270047.113
Se	78	2	H2	124.201536	2.4	145944.700
Sr	88	1	He	6700.633965	4.4	125884934.790
Mo	95	1	He	134.981285	3.1	1183662.170
Pd	105	1	He	21.431920	3.2	257118.030
Ag	107	1	He	45.801759	1.0	1096681.023
Cd	111	1	He	102.335504	3.2	465693.007
Sn	118	1	He	106.821334	4.4	1276085.813
Sb	121	1	He	103.969363	4.3	1620348.463
Ba	138	1	He	127.109715	4.2	4997970.137
Pt	195	1	He	20.790822	4.1	304312.723
Hg	202	1	He	0.022430	50.1	243.340
Tl	205	1	He	100.556257	4.6	5375708.460
Pb	206	1	He	99.620813	4.4	1808792.527
Pb	207	1	He	99.884568	4.0	1515399.300
Pb	208	1	He	99.705296	4.2	7141041.773
Bi	209	1	He	99.387154	4.0	5601895.127
Th	232	1	He	107.868324	3.7	8345639.043
U	238	1	He	132.610664	3.6	10494928.383

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.8451409	1157551.040
Sc	45	2	H2	98.46779514	6599480.667
Ge	72	1	He	99.03106508	670580.397
Ge	72	2	H2	100.1071383	1815796.833
In	115	1	He	93.34453506	6804250.443
Tb	159	1	He	97.46207843	15781273.517
Ir	193	1	He	92.92789588	7264379.890

Sample Name	4319216_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	027SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:47:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	161.520801	1.0	127573.800
Be	9	2	H2	100.301967	1.9	67545.267
B	11	2	H2	368.242781	2.4	263600.327
Na	23	1	He	120405.3801	0.8	258806962.810
Mg	24	1	He	216621.5559	0.5	258627802.813
Al	27	1	He	2046.978387	0.3	1323888.083
Si	28	2	H2	6807.126295	5.2	31171652.000
K	39	1	He	8239.805469	0.3	14795865.613
Ca	43	1	He	294097.3867	0.5	1605825.760
Ca	44	1	He	288594.6289	0.9	26388199.613
Ti	47	1	He	100.117004	1.1	58690.533
V	51	1	He	110.158370	0.7	1525713.567
Cr	52	1	He	104.379492	0.7	1730915.540
Mn	55	1	He	169.635334	0.8	2125539.750
Fe	56	1	He	2081.284778	0.7	31562428.000
Co	59	1	He	106.462986	0.7	2435165.917
Ni	60	1	He	105.595910	0.6	592093.540
Cu	63	1	He	102.605133	1.0	1480642.417
Zn	66	1	He	100.707543	1.0	299708.700
As	75	1	He	110.868180	0.8	270343.697
Se	78	2	H2	124.318767	1.4	145210.113
Sr	88	1	He	6511.378600	0.6	125071508.137
Mo	95	1	He	131.342661	0.6	1184035.087
Pd	105	1	He	20.975923	1.5	257192.363
Ag	107	1	He	45.565113	2.6	1114158.163
Cd	111	1	He	100.411086	1.1	467005.027
Sn	118	1	He	104.496461	1.3	1276186.413
Sb	121	1	He	101.969004	0.7	1624718.830
Ba	138	1	He	124.979545	1.0	4983577.423
Pt	195	1	He	20.548971	2.9	304974.073
Hg	202	1	He	0.014807	85.7	190.003
Tl	205	1	He	99.722918	0.9	5407085.127
Pb	206	1	He	98.075875	1.6	1806023.097
Pb	207	1	He	99.127869	1.6	1524952.530
Pb	208	1	He	98.070113	0.5	7123114.633
Bi	209	1	He	97.402227	0.9	5567210.960
Th	232	1	He	105.332371	1.0	8342719.460
U	238	1	He	129.713206	0.2	10508527.340

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	108.4976489	1186559.583
Sc	45	2	H2	98.94564522	6631507.000
Ge	72	1	He	101.7356575	688894.313
Ge	72	2	H2	99.48671911	1804543.337
In	115	1	He	95.32018599	6948263.413
Tb	159	1	He	98.72545009	15985841.427
Ir	193	1	He	95.03922776	7429427.390

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	028_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:51:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	89.705411	8.8	73658.687
Be	9	2	H2	88.682057	8.5	62050.147
B	11	2	H2	89.475480	7.8	68934.327
Na	23	1	He	2123.385131	1.5	4537696.493
Mg	24	1	He	2111.356062	2.2	2499381.213
Al	27	1	He	1991.252160	1.9	1274999.040
Si	28	2	H2	1066.446821	9.5	5080588.333
K	39	1	He	2001.347814	1.5	3666580.883
Ca	43	1	He	2052.837355	2.1	11107.983
Ca	44	1	He	2023.807279	1.6	183406.110
Ti	47	1	He	77.234588	1.3	44826.143
V	51	1	He	82.232659	2.3	1127045.663
Cr	52	1	He	82.665590	1.7	1357262.167
Mn	55	1	He	83.964836	1.7	1042103.663
Fe	56	1	He	1034.199778	1.8	15536323.667
Co	59	1	He	83.049060	1.9	2015073.960
Ni	60	1	He	85.070600	1.2	506191.437
Cu	63	1	He	86.571128	1.4	1325278.543
Zn	66	1	He	81.911276	1.7	258637.757
As	75	1	He	78.507940	0.9	203167.863
Se	78	2	H2	82.891604	5.2	100160.660
Sr	88	1	He	77.233353	1.9	1597452.947
Mo	95	1	He	80.755745	2.0	772242.670
Pd	105	1	He	82.686781	0.6	1091537.223
Ag	107	1	He	42.005783	1.9	1106063.810
Cd	111	1	He	81.394838	0.9	407604.453
Sn	118	1	He	80.345448	0.2	1056578.890
Sb	121	1	He	76.918992	0.4	1319637.117
Ba	138	1	He	78.946310	1.5	3358715.263
Pt	195	1	He	83.028329	0.4	1314569.693
Hg	202	1	He	3.694168	4.4	29581.003
Tl	205	1	He	39.892555	1.0	2308267.207
Pb	206	1	He	80.988521	1.2	1591130.133
Pb	207	1	He	86.086792	0.4	1413183.520
Pb	208	1	He	82.144464	0.5	6365939.853
Bi	209	1	He	82.630358	1.3	5039199.507
Th	232	1	He	77.028359	1.5	6779145.733
U	238	1	He	75.970426	2.3	6838636.360

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	107.4207165	1174781.960
Sc	45	2	H2	102.9177905	6897727.000
Ge	72	1	He	107.9248404	730803.837
Ge	72	2	H2	103.0720715	1869576.377
In	115	1	He	102.6310589	7481181.710
Tb	159	1	He	105.3317119	17055541.833
Ir	193	1	He	105.6058250	8255441.753

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	029_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:54:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.124844	22.6	192.167
Be	9	2	H2	0.036388	16.6	35.667
B	11	2	H2	1.620930	5.9	4824.043
Na	23	1	He	8.311845	7.5	37965.470
Mg	24	1	He	3.034757	13.0	7638.313
Al	27	1	He	0.156276	31.9	384.670
Si	28	2	H2	0.371857	60.3	16470.877
K	39	1	He	0.414276	290.8	147869.413
Ca	43	1	He	4.248783	7.9	35.417
Ca	44	1	He	3.286097	14.5	513.123
Ti	47	1	He	0.016264	121.2	13.333
V	51	1	He	-0.074130		-3048.003
Cr	52	1	He	0.009794	79.7	804.023
Mn	55	1	He	-0.035486		620.010
Fe	56	1	He	-0.123602		17678.640
Co	59	1	He	0.003501	67.0	202.000
Ni	60	1	He	-0.089021		458.010
Cu	63	1	He	0.099309	4.4	1878.773
Zn	66	1	He	0.004726	160.0	270.000
As	75	1	He	0.027661	27.9	377.333
Se	78	2	H2	0.016050	4.4	41.667
Sr	88	1	He	0.101241	10.4	2410.193
Mo	95	1	He	0.010963	46.4	131.667
Pd	105	1	He	0.006437	36.2	126.667
Ag	107	1	He	0.217690	17.7	6898.117
Cd	111	1	He	0.015118	29.7	81.623
Sn	118	1	He	0.012231	45.0	356.677
Sb	121	1	He	0.007580	6.1	238.333
Ba	138	1	He	0.007140	21.8	480.013
Pt	195	1	He	0.004557	29.4	173.340
Hg	202	1	He	0.029295	18.2	323.343
Tl	205	1	He	0.050280	27.6	3798.830
Pb	206	1	He	0.016428	18.7	433.343
Pb	207	1	He	0.026840	22.1	1518.420
Pb	208	1	He	0.020952	12.9	3056.813
Bi	209	1	He	0.007155	31.2	2203.523
Th	232	1	He	0.010074	0.2	963.373
U	238	1	He	0.005865	20.2	635.023

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	109.9771031	1202739.293
Sc	45	2	H2	113.8117769	7627860.667
Ge	72	1	He	107.7882485	729878.917
Ge	72	2	H2	112.9479357	2048710.087
In	115	1	He	105.9319247	7721794.803
Tb	159	1	He	107.1002593	17341908.907
Ir	193	1	He	107.2856070	8386754.040

Sample Name	4319179_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	030SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:58:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.133470	6.8	193.167
Be	9	2	H2	0.060703	17.7	52.667
B	11	2	H2	2.097312	7.9	5044.143
Na	23	1	He	23.551909	2.1	69347.060
Mg	24	1	He	6.219997	3.2	11200.150
Al	27	1	He	4.473618	2.3	3132.607
Si	28	2	H2	2.478747	5.8	26644.000
K	39	1	He	6.206275	33.6	154251.773
Ca	43	1	He	19.443302	8.9	116.500
Ca	44	1	He	19.028997	8.5	1922.670
Ti	47	1	He	0.051433	46.0	33.333
V	51	1	He	0.030350	164.9	-1535.293
Cr	52	1	He	0.234142	1.4	4457.230
Mn	55	1	He	0.093207	8.1	2196.143
Fe	56	1	He	6.641843	1.4	118500.850
Co	59	1	He	0.037457	3.9	1002.697
Ni	60	1	He	-0.020922		843.357
Cu	63	1	He	0.247483	3.1	4053.803
Zn	66	1	He	1.897008	3.0	6097.060
As	75	1	He	0.022891	41.5	357.167
Se	78	2	H2	0.017544	33.6	42.333
Sr	88	1	He	0.114936	6.8	2653.557
Mo	95	1	He	0.015369	7.1	170.000
Pd	105	1	He	0.006361	78.5	123.337
Ag	107	1	He	0.053947	11.2	2408.523
Cd	111	1	He	0.047889	14.5	246.623
Sn	118	1	He	0.362456	6.8	5015.783
Sb	121	1	He	0.009173	11.1	261.670
Ba	138	1	He	0.076800	3.1	3412.053
Pt	195	1	He	0.008188	46.3	226.673
Hg	202	1	He	0.022267	25.6	260.010
Tl	205	1	He	0.027605	2.6	2408.540
Pb	206	1	He	0.109998	9.6	2248.520
Pb	207	1	He	0.104950	11.1	2755.263
Pb	208	1	He	0.107527	3.9	9646.167
Bi	209	1	He	0.031421	3.7	3620.490
Th	232	1	He	0.017803	10.2	1621.767
U	238	1	He	0.004537	7.4	503.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	107.1714121	1172055.500
Sc	45	2	H2	110.1345111	7381404.000
Ge	72	1	He	105.4542857	714074.687
Ge	72	2	H2	109.7201321	1990162.457
In	115	1	He	104.0221270	7582582.137
Tb	159	1	He	104.5892231	16935316.417
Ir	193	1	He	105.1675352	8221179.670

Sample Name	4319180_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	031SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:01:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	115.464363	4.5	100821.933
Be	9	2	H2	115.107756	4.2	85657.163
B	11	2	H2	116.055769	4.0	94093.307
Na	23	1	He	2272.346043	1.0	4906219.927
Mg	24	1	He	2221.908253	0.4	2658126.420
Al	27	1	He	2161.228456	0.9	1398540.540
Si	28	2	H2	566.477455	5.2	2877852.250
K	39	1	He	2172.936498	0.3	4010965.563
Ca	43	1	He	2211.349992	0.6	12093.107
Ca	44	1	He	2169.751435	1.7	198724.903
Ti	47	1	He	103.399298	1.3	60648.247
V	51	1	He	109.681875	1.2	1519923.120
Cr	52	1	He	110.788761	0.6	1838209.247
Mn	55	1	He	108.515516	0.5	1360883.960
Fe	56	1	He	2214.811815	0.8	33604652.667
Co	59	1	He	113.418389	1.3	2742796.417
Ni	60	1	He	115.071415	0.5	682086.997
Cu	63	1	He	114.152322	1.1	1741562.417
Zn	66	1	He	112.604234	0.4	354279.813
As	75	1	He	107.085942	0.4	276087.790
Se	78	2	H2	108.066835	0.5	138164.347
Sr	88	1	He	106.228624	0.7	2199519.707
Mo	95	1	He	109.110730	0.5	1039948.057
Pd	105	1	He	22.509566	1.2	297488.827
Ag	107	1	He	51.468967	2.7	1356290.447
Cd	111	1	He	110.375387	0.9	553317.867
Sn	118	1	He	106.291995	0.9	1399210.867
Sb	121	1	He	102.866478	1.2	1766609.920
Ba	138	1	He	108.775625	0.3	4496985.870
Pt	195	1	He	22.186163	1.2	341401.700
Hg	202	1	He	0.013507	52.5	186.670
Tl	205	1	He	110.719089	0.2	6224004.697
Pb	206	1	He	110.352401	1.0	2106736.063
Pb	207	1	He	112.474431	1.1	1793827.423
Pb	208	1	He	111.773086	0.7	8416679.250
Bi	209	1	He	112.703359	1.0	6678388.860
Th	232	1	He	110.692104	2.0	9345118.197
U	238	1	He	106.712371	1.5	9215396.530

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	108.5592290	1187233.040
Sc	45	2	H2	109.2950493	7325141.833
Ge	72	1	He	107.5605177	728336.857
Ge	72	2	H2	108.8938733	1975175.333
In	115	1	He	102.7414530	7489228.767
Tb	159	1	He	102.3535943	16573318.500
Ir	193	1	He	101.3191440	7920342.383

Sample Name	10607340001_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	032SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:05:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	63.148346	0.6	50955.140
Be	9	2	H2	0.053045	6.2	43.000
B	11	2	H2	1677.343655	1.8	1214564.617
Na	23	1	He	385504.2775	0.8	839254200.823
Mg	24	1	He	77454.00393	1.7	93644615.270
Al	27	1	He	4.584880	2.1	3283.970
Si	28	2	H2	15934.15896	3.8	74451896.000
K	39	1	He	6269.125933	1.0	11435689.830
Ca	43	1	He	186537.6673	0.5	1031574.733
Ca	44	1	He	185185.1195	1.4	17148284.843
Ti	47	1	He	0.169548	25.9	104.000
V	51	1	He	11.901874	1.1	165154.330
Cr	52	1	He	31.513387	0.5	529725.157
Mn	55	1	He	0.174424	6.2	3280.307
Fe	56	1	He	7.953193	1.3	141629.100
Co	59	1	He	0.098855	7.5	2408.170
Ni	60	1	He	0.583265	1.3	4262.517
Cu	63	1	He	0.430363	5.5	6659.927
Zn	66	1	He	2.363845	3.0	7384.870
As	75	1	He	4.303207	1.4	10942.017
Se	78	2	H2	4.684490	2.6	5634.900
Sr	88	1	He	2677.330391	1.2	51990149.223
Mo	95	1	He	0.711327	3.2	6539.613
Pd	105	1	He	0.400006	1.2	4994.177
Ag	107	1	He	0.278156	23.3	7750.177
Cd	111	1	He	0.036099	24.6	173.043
Sn	118	1	He	0.128616	3.6	1761.777
Sb	121	1	He	0.050018	13.1	901.703
Ba	138	1	He	34.873701	0.9	1394970.500
Pt	195	1	He	0.010128	44.6	243.343
Hg	202	1	He	0.012973	47.8	176.670
Tl	205	1	He	0.040317	19.4	2970.303
Pb	206	1	He	0.047422	8.2	973.373
Pb	207	1	He	0.037781	22.1	1573.427
Pb	208	1	He	0.044788	10.8	4565.287
Bi	209	1	He	0.019259	5.7	2730.290
Th	232	1	He	0.025451	7.0	2030.157
U	238	1	He	11.721646	2.1	930850.717

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	109.8939888	1201830.333
Sc	45	2	H2	101.0068253	6769650.833
Ge	72	1	He	103.3655267	699930.833
Ge	72	2	H2	102.1232719	1852366.543
In	115	1	He	96.37026137	7024807.540
Tb	159	1	He	99.02507445	16034357.260
Ir	193	1	He	93.15321305	7281993.433

Sample Name	4322685_B70175Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	033SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:09:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	14.699134	3.4	12840.703
Be	9	2	H2	0.024687	19.5	25.333
B	11	2	H2	419.692118	2.9	329897.080
Na	23	1	He	85780.51551	0.8	189777137.170
Mg	24	1	He	17362.62342	1.9	21338395.933
Al	27	1	He	1.980449	3.3	1604.737
Si	28	2	H2	3768.275824	5.2	18985238.667
K	39	1	He	1383.728848	0.9	2681646.523
Ca	43	1	He	41074.60879	0.9	230839.470
Ca	44	1	He	41210.51540	1.1	3878387.540
Ti	47	1	He	0.030300	10.7	22.000
V	51	1	He	2.352430	4.6	31537.203
Cr	52	1	He	6.936078	1.4	118984.740
Mn	55	1	He	0.021187	4.8	1360.060
Fe	56	1	He	2.313142	2.1	55961.473
Co	59	1	He	0.018644	6.8	572.010
Ni	60	1	He	0.040916	29.6	1235.383
Cu	63	1	He	0.178462	3.5	3104.277
Zn	66	1	He	0.567088	3.3	2052.127
As	75	1	He	0.940112	3.5	2746.213
Se	78	2	H2	1.027480	5.8	1335.053
Sr	88	1	He	568.510370	0.9	11810455.653
Mo	95	1	He	0.152728	1.7	1493.410
Pd	105	1	He	0.074883	15.4	1030.060
Ag	107	1	He	0.069233	12.8	2790.250
Cd	111	1	He	0.010838	56.1	57.887
Sn	118	1	He	0.031395	10.6	600.017
Sb	121	1	He	0.012417	27.6	315.007
Ba	138	1	He	7.474317	1.0	317933.720
Pt	195	1	He	0.006001	57.6	193.340
Hg	202	1	He	0.008673	83.8	153.337
Tl	205	1	He	0.000375	627.5	850.030
Pb	206	1	He	0.013750	29.8	373.343
Pb	207	1	He	0.010630	98.9	1226.730
Pb	208	1	He	0.013621	25.4	2436.773
Bi	209	1	He	0.003902	35.7	1966.830
Th	232	1	He	0.004513	20.6	446.680
U	238	1	He	2.395037	0.9	209995.160

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	111.6708591	1221262.667
Sc	45	2	H2	108.7562091	7289027.833
Ge	72	1	He	108.3465150	733659.170
Ge	72	2	H2	109.0296432	1977638.000
In	115	1	He	103.0947011	7514978.413
Tb	159	1	He	105.2590870	17043782.250
Ir	193	1	He	102.8148532	8037265.297

Sample Name	4319181_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	034SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:12:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	152.757174	0.3	123053.393
Be	9	2	H2	98.310764	1.6	67530.937
B	11	2	H2	1625.151246	1.9	1175750.347
Na	23	1	He	372194.4707	4.1	791135908.210
Mg	24	1	He	76920.26570	4.5	90815428.647
Al	27	1	He	2092.728486	3.9	1338588.167
Si	28	2	H2	15045.89240	4.3	70264062.667
K	39	1	He	8116.665476	4.0	14416621.870
Ca	43	1	He	181995.7318	4.3	982705.453
Ca	44	1	He	179743.3572	4.6	16251980.793
Ti	47	1	He	102.496872	4.2	59421.637
V	51	1	He	119.594779	4.1	1638304.063
Cr	52	1	He	134.189806	4.5	2200324.500
Mn	55	1	He	102.780125	4.6	1273857.583
Fe	56	1	He	2051.687075	4.6	30766127.333
Co	59	1	He	106.469416	5.0	2445860.667
Ni	60	1	He	105.389091	5.0	593475.560
Cu	63	1	He	102.314155	5.5	1482633.503
Zn	66	1	He	102.640908	4.4	306842.687
As	75	1	He	112.429702	4.7	275357.143
Se	78	2	H2	106.807467	0.8	128250.617
Sr	88	1	He	2683.103560	4.3	50625429.247
Mo	95	1	He	109.691124	5.1	993075.793
Pd	105	1	He	20.700149	5.0	249283.023
Ag	107	1	He	46.302085	0.3	1113371.493
Cd	111	1	He	102.493256	4.1	468286.447
Sn	118	1	He	106.646405	3.0	1279876.283
Sb	121	1	He	103.909857	4.5	1626242.893
Ba	138	1	He	135.235054	4.9	5378626.377
Pt	195	1	He	20.261868	3.5	300091.093
Hg	202	1	He	0.016543	24.3	203.343
Tl	205	1	He	97.507366	5.1	5273162.840
Pb	206	1	He	98.125751	3.9	1802841.483
Pb	207	1	He	99.319789	2.3	1525127.427
Pb	208	1	He	97.603634	3.9	7072749.893
Bi	209	1	He	96.371912	5.5	5493164.500
Th	232	1	He	108.334591	5.7	8261638.003
U	238	1	He	113.449369	4.5	8852458.827

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	107.4208384	1174783.293
Sc	45	2	H2	100.9176105	6763671.500
Ge	72	1	He	102.3350487	692953.040
Ge	72	2	H2	102.2642883	1854924.373
In	115	1	He	93.74375922	6833351.463
Tb	159	1	He	98.60227366	15965896.430
Ir	193	1	He	91.65052931	7164525.310

Sample Name	4319182_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	035SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:16:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	151.461734	1.1	123081.913
Be	9	2	H2	98.087981	2.1	67959.733
B	11	2	H2	1607.198228	2.9	1173141.027
Na	23	1	He	356549.4454	0.7	786916174.940
Mg	24	1	He	73362.15558	1.1	89938111.993
Al	27	1	He	2085.954287	1.5	1385222.373
Si	28	2	H2	14786.26334	5.1	69643864.000
K	39	1	He	7838.432862	0.6	14460099.367
Ca	43	1	He	174727.7815	0.9	979633.787
Ca	44	1	He	172104.5358	0.7	16159205.813
Ti	47	1	He	100.030526	1.8	60212.943
V	51	1	He	115.996520	2.3	1649680.103
Cr	52	1	He	130.877310	1.7	2228295.583
Mn	55	1	He	104.137041	0.8	1340279.667
Fe	56	1	He	2657.952895	3.7	41377677.333
Co	59	1	He	104.811630	2.6	2482194.000
Ni	60	1	He	292.870644	4.2	1698352.123
Cu	63	1	He	100.454727	1.4	1501010.333
Zn	66	1	He	100.765755	2.1	310498.687
As	75	1	He	110.879514	1.5	279954.470
Se	78	2	H2	105.205758	1.6	127531.803
Sr	88	1	He	2581.852451	1.5	50696704.243
Mo	95	1	He	108.078981	1.1	1008876.210
Pd	105	1	He	20.076336	1.8	251657.603
Ag	107	1	He	45.228433	2.2	1130624.647
Cd	111	1	He	100.118986	1.0	476037.783
Sn	118	1	He	103.998644	1.6	1298416.333
Sb	121	1	He	100.327832	1.9	1634147.840
Ba	138	1	He	133.467178	1.2	5452328.670
Pt	195	1	He	19.930206	1.7	303054.827
Hg	202	1	He	0.016874	42.0	210.007
Tl	205	1	He	95.725864	1.3	5317391.797
Pb	206	1	He	95.812212	1.1	1807502.373
Pb	207	1	He	96.859433	2.1	1526664.197
Pb	208	1	He	95.543607	1.5	7109450.263
Bi	209	1	He	94.124917	1.4	5511618.253
Th	232	1	He	106.424977	1.5	8356996.127
U	238	1	He	110.471683	0.6	8873369.870

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	111.4126662	1218439.000
Sc	45	2	H2	101.7885894	6822046.000
Ge	72	1	He	105.3487652	713360.163
Ge	72	2	H2	103.2389422	1872603.167
In	115	1	He	97.44844011	7103400.230
Tb	159	1	He	101.1440473	16377466.007
Ir	193	1	He	94.23062849	7366217.390

Sample Name	10607340002_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	036SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:20:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	63.454285	1.8	51341.853
Be	9	2	H2	0.035716	10.1	31.167
B	11	2	H2	217.923046	2.3	160922.553
Na	23	1	He	82093.11935	1.9	176672084.033
Mg	24	1	He	78257.93310	0.9	93545088.610
Al	27	1	He	34.581595	0.6	22665.790
Si	28	2	H2	13405.77311	4.7	62828772.000
K	39	1	He	11882.96179	1.1	21298458.850
Ca	43	1	He	184527.0844	0.6	1008727.073
Ca	44	1	He	183520.4007	0.9	16800183.277
Ti	47	1	He	0.151772	8.3	92.667
V	51	1	He	6.922624	2.0	94139.240
Cr	52	1	He	6.545629	0.3	109262.907
Mn	55	1	He	0.731090	2.3	10224.250
Fe	56	1	He	5.080917	0.8	96428.353
Co	59	1	He	0.062686	5.9	1574.743
Ni	60	1	He	0.335913	3.8	2865.570
Cu	63	1	He	0.295606	1.2	4694.630
Zn	66	1	He	3.384426	1.3	10505.770
As	75	1	He	3.138185	2.3	8086.830
Se	78	2	H2	3.854225	1.3	4648.277
Sr	88	1	He	2350.340062	1.2	46183164.310
Mo	95	1	He	1.322305	1.9	12177.700
Pd	105	1	He	0.354146	3.4	4477.357
Ag	107	1	He	0.238263	17.0	6864.780
Cd	111	1	He	0.037099	20.4	179.680
Sn	118	1	He	0.144482	7.7	1980.133
Sb	121	1	He	0.095550	8.3	1653.430
Ba	138	1	He	110.662330	1.7	4493868.680
Pt	195	1	He	0.011452	56.4	266.673
Hg	202	1	He	0.014340	70.7	190.007
Tl	205	1	He	0.046910	23.8	3378.730
Pb	206	1	He	0.050454	4.5	1045.047
Pb	207	1	He	0.045207	17.1	1713.440
Pb	208	1	He	0.050044	1.9	5022.003
Bi	209	1	He	0.018317	25.6	2716.960
Th	232	1	He	0.023020	11.2	1920.140
U	238	1	He	5.770222	1.4	478025.913

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	108.6215257	1187914.333
Sc	45	2	H2	101.2332445	6784825.833
Ge	72	1	He	103.7133703	702286.227
Ge	72	2	H2	102.3161186	1855864.500
In	115	1	He	97.50817109	7107754.257
Tb	159	1	He	100.5458768	16280608.927
Ir	193	1	He	97.16656329	7595725.930

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	037_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:23:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	86.217885	4.3	74943.173
Be	9	2	H2	85.194653	4.4	63093.077
B	11	2	H2	91.229556	5.7	74361.767
Na	23	1	He	2136.267373	1.3	4609214.830
Mg	24	1	He	2099.086674	1.8	2508923.083
Al	27	1	He	2012.712807	1.8	1301170.250
Si	28	2	H2	1038.756825	5.3	5241460.500
K	39	1	He	2038.125549	2.0	3767360.360
Ca	43	1	He	2081.513737	1.6	11372.327
Ca	44	1	He	2026.746505	1.4	185449.840
Ti	47	1	He	78.079523	0.8	45755.823
V	51	1	He	82.959326	1.7	1148048.810
Cr	52	1	He	82.154178	1.6	1361924.873
Mn	55	1	He	84.473386	0.7	1058610.377
Fe	56	1	He	1044.684430	1.2	15846002.333
Co	59	1	He	82.916434	1.3	2037321.083
Ni	60	1	He	84.227892	0.3	507533.040
Cu	63	1	He	86.052296	0.9	1334008.333
Zn	66	1	He	81.250016	0.3	259803.773
As	75	1	He	78.109897	0.5	204694.990
Se	78	2	H2	80.115362	0.5	102485.797
Sr	88	1	He	77.471676	0.7	1616675.080
Mo	95	1	He	79.668340	0.4	771516.107
Pd	105	1	He	81.933895	0.5	1091187.197
Ag	107	1	He	41.735420	3.5	1108542.717
Cd	111	1	He	81.899141	1.4	413760.673
Sn	118	1	He	79.604816	0.6	1056135.037
Sb	121	1	He	77.269257	0.4	1337389.303
Ba	138	1	He	79.688789	0.8	3389937.240
Pt	195	1	He	81.646820	0.9	1292599.563
Hg	202	1	He	3.616371	4.3	28946.577
Tl	205	1	He	39.902788	0.7	2308644.703
Pb	206	1	He	80.699373	1.6	1585185.913
Pb	207	1	He	85.327081	0.4	1400654.927
Pb	208	1	He	82.304163	0.9	6377464.747
Bi	209	1	He	83.833205	2.5	5111337.110
Th	232	1	He	77.441501	1.0	6755638.857
U	238	1	He	76.289076	0.7	6807119.063

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	108.4609630	1186158.377
Sc	45	2	H2	108.7402416	7287957.667
Ge	72	1	He	109.2869354	740027.147
Ge	72	2	H2	108.9529948	1976247.710
In	115	1	He	103.5405570	7547478.603
Tb	159	1	He	105.3237065	17054245.580
Ir	193	1	He	104.6757418	8182735.087

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	038_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:27:14
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.146557	26.5	209.500
Be	9	2	H2	0.035374	9.8	34.333
B	11	2	H2	6.710564	6.6	8868.963
Na	23	1	He	17.823008	2.9	59352.813
Mg	24	1	He	0.199146	41.9	4253.857
Al	27	1	He	0.183071	46.7	406.670
Si	28	2	H2	0.785339	24.1	18424.600
K	39	1	He	1.967827	49.2	152394.610
Ca	43	1	He	3.477051	25.3	31.483
Ca	44	1	He	2.724473	12.0	466.370
Ti	47	1	He	0.015949	124.8	13.333
V	51	1	He	0.021524	153.5	-1721.020
Cr	52	1	He	0.004176	75.2	717.350
Mn	55	1	He	-0.052015		414.677
Fe	56	1	He	-0.161859		17285.607
Co	59	1	He	0.001948	35.9	166.667
Ni	60	1	He	-0.095260		426.677
Cu	63	1	He	0.068849	9.6	1432.063
Zn	66	1	He	0.006904	82.2	280.667
As	75	1	He	0.022335	36.4	368.500
Se	78	2	H2	0.007231	66.8	29.667
Sr	88	1	He	0.042205	7.8	1165.050
Mo	95	1	He	0.010267	21.2	126.667
Pd	105	1	He	0.008255	18.4	153.333
Ag	107	1	He	0.209526	18.2	6764.757
Cd	111	1	He	0.008214	67.8	46.630
Sn	118	1	He	0.017230	8.1	430.010
Sb	121	1	He	0.004518	81.5	186.670
Ba	138	1	He	0.007677	23.2	505.013
Pt	195	1	He	0.005757	40.2	193.340
Hg	202	1	He	0.028760	11.5	320.010
Tl	205	1	He	0.046840	17.9	3608.783
Pb	206	1	He	0.013028	25.8	366.673
Pb	207	1	He	0.013318	24.5	1296.737
Pb	208	1	He	0.011785	1.0	2341.767
Bi	209	1	He	0.007928	30.4	2256.863
Th	232	1	He	0.008550	6.6	833.363
U	238	1	He	0.004820	13.0	543.350

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	111.2342386	1216487.667
Sc	45	2	H2	112.5211629	7541361.500
Ge	72	1	He	109.2703672	739914.957
Ge	72	2	H2	111.9153529	2029980.547
In	115	1	He	107.3195897	7822947.170
Tb	159	1	He	107.4029998	17390929.323
Ir	193	1	He	108.0987342	8450317.997

Sample Name	10607340003_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	039SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:30:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	46.645973	0.2	35708.383
Be	9	2	H2	0.033669	8.6	28.167
B	11	2	H2	888.364537	2.3	611446.553
Na	23	1	He	246147.0493	1.2	505736285.800
Mg	24	1	He	120803.0091	1.1	137870987.947
Al	27	1	He	6.134926	1.9	4058.117
Si	28	2	H2	14551.70858	4.0	64481421.333
K	39	1	He	6216.891562	1.1	10705267.340
Ca	43	1	He	351415.6322	1.4	1834168.343
Ca	44	1	He	349438.6065	1.6	30542368.603
Ti	47	1	He	0.176992	9.8	102.667
V	51	1	He	8.244915	3.9	107403.390
Cr	52	1	He	4.642431	2.0	74164.430
Mn	55	1	He	9.760626	1.1	117861.573
Fe	56	1	He	4.643266	1.8	85731.483
Co	59	1	He	0.256692	3.0	5680.243
Ni	60	1	He	0.817768	3.3	5230.783
Cu	63	1	He	2.323053	0.9	32150.660
Zn	66	1	He	16.789313	1.8	47636.900
As	75	1	He	2.901226	1.8	6984.703
Se	78	2	H2	6.519896	2.0	7428.897
Sr	88	1	He	4739.814998	0.7	87701255.357
Mo	95	1	He	0.898797	1.2	7718.440
Pd	105	1	He	0.680129	4.8	8065.430
Ag	107	1	He	0.075381	14.1	2630.230
Cd	111	1	He	0.062052	15.4	281.023
Sn	118	1	He	0.190556	2.1	2406.863
Sb	121	1	He	0.123128	3.1	1980.133
Ba	138	1	He	51.204503	0.4	1965200.907
Pt	195	1	He	0.011278	38.0	250.010
Hg	202	1	He	0.022798	37.6	240.007
Tl	205	1	He	0.031238	21.7	2378.540
Pb	206	1	He	0.077948	8.1	1475.087
Pb	207	1	He	0.074333	3.4	2050.157
Pb	208	1	He	0.077959	3.4	6697.253
Bi	209	1	He	0.017265	13.3	2510.260
Th	232	1	He	0.014223	4.8	1116.720
U	238	1	He	7.744058	0.4	592802.153

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.7175304	1134282.917
Sc	45	2	H2	95.78972039	6419991.500
Ge	72	1	He	96.60771914	654170.917
Ge	72	2	H2	96.83892846	1756516.293
In	115	1	He	91.82032438	6693144.730
Tb	159	1	He	95.01569772	15385150.187
Ir	193	1	He	89.79126911	7019182.813

Sample Name	10607340004_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	040SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:34:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	60.489063	0.3	47171.723
Be	9	2	H2	0.053712	25.4	42.000
B	11	2	H2	1199.012011	1.8	839980.143
Na	23	1	He	324368.1456	1.3	686718283.100
Mg	24	1	He	111275.3220	2.0	130855308.050
Al	27	1	He	4.924952	1.1	3411.323
Si	28	2	H2	13173.76119	3.4	59496892.000
K	39	1	He	6816.786877	0.7	12081784.403
Ca	43	1	He	276500.6679	1.8	1487032.350
Ca	44	1	He	273127.9796	1.2	24599081.453
Ti	47	1	He	0.153177	12.0	92.000
V	51	1	He	8.373534	0.6	112443.390
Cr	52	1	He	30.438639	1.6	497615.803
Mn	55	1	He	0.280950	1.7	4505.910
Fe	56	1	He	5.033713	2.3	94165.467
Co	59	1	He	0.104965	3.2	2434.843
Ni	60	1	He	0.756869	3.0	5009.380
Cu	63	1	He	0.541315	0.4	7901.090
Zn	66	1	He	19.809522	1.3	57336.347
As	75	1	He	3.481261	2.7	8499.520
Se	78	2	H2	4.898948	2.0	5671.580
Sr	88	1	He	3806.019152	1.1	72574312.250
Mo	95	1	He	0.767860	3.2	6734.710
Pd	105	1	He	0.601766	6.7	7358.377
Ag	107	1	He	0.033551	15.6	1695.103
Cd	111	1	He	0.036417	8.8	171.313
Sn	118	1	He	0.081050	11.6	1153.383
Sb	121	1	He	0.074111	5.7	1265.060
Ba	138	1	He	39.675877	1.7	1569958.153
Pt	195	1	He	0.009193	34.5	226.673
Hg	202	1	He	0.025337	20.5	266.677
Tl	205	1	He	0.012401	16.9	1438.413
Pb	206	1	He	0.040976	2.4	845.030
Pb	207	1	He	0.030361	23.5	1443.410
Pb	208	1	He	0.037511	3.1	3990.217
Bi	209	1	He	0.020603	15.8	2776.973
Th	232	1	He	0.016568	8.6	1320.067
U	238	1	He	3.148269	1.2	246206.857

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	106.8738433	1168801.207
Sc	45	2	H2	97.62343946	6542890.500
Ge	72	1	He	98.62412155	667824.813
Ge	72	2	H2	98.31380851	1783268.457
In	115	1	He	94.63051256	6897990.403
Tb	159	1	He	97.96669834	15862982.680
Ir	193	1	He	91.71285963	7169397.810

Sample Name	10607340005_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	041SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:38:07
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	35.535064	0.7	27876.997
Be	9	2	H2	0.022365	38.1	21.333
B	11	2	H2	1106.482137	2.2	779266.370
Na	23	1	He	293379.7753	4.6	603607871.003
Mg	24	1	He	57560.52573	4.5	65787562.350
Al	27	1	He	7.222261	3.7	4738.277
Si	28	2	H2	16016.51364	4.3	72721482.667
K	39	1	He	4308.917872	4.8	7472508.637
Ca	43	1	He	186997.9247	4.1	977517.380
Ca	44	1	He	186736.0975	4.6	16344297.120
Ti	47	1	He	0.200116	4.4	116.000
V	51	1	He	12.021860	3.8	157732.710
Cr	52	1	He	34.357630	4.1	545860.207
Mn	55	1	He	0.727009	4.8	9727.303
Fe	56	1	He	8.246508	4.9	138136.660
Co	59	1	He	0.139308	1.9	3162.953
Ni	60	1	He	0.664814	4.8	4457.233
Cu	63	1	He	0.340611	2.3	5037.390
Zn	66	1	He	1.936810	5.9	5746.270
As	75	1	He	4.529304	5.1	10842.290
Se	78	2	H2	3.871219	1.1	4494.910
Sr	88	1	He	1956.644703	5.0	36649122.787
Mo	95	1	He	1.266738	7.1	10953.517
Pd	105	1	He	0.301444	10.2	3633.793
Ag	107	1	He	0.012976	33.0	1175.050
Cd	111	1	He	0.016199	9.8	76.710
Sn	118	1	He	0.111564	8.8	1495.083
Sb	121	1	He	0.053301	5.0	920.033
Ba	138	1	He	35.191803	2.9	1369600.603
Pt	195	1	He	0.014422	20.9	300.010
Hg	202	1	He	0.010161	95.7	150.003
Tl	205	1	He	0.005707	20.4	1061.710
Pb	206	1	He	0.020583	28.9	463.347
Pb	207	1	He	0.021444	22.1	1285.067
Pb	208	1	He	0.020419	4.7	2713.453
Bi	209	1	He	0.007785	18.8	2016.847
Th	232	1	He	0.005227	3.9	455.010
U	238	1	He	6.067895	2.2	476382.610

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.9806725	1137160.710
Sc	45	2	H2	98.09256601	6574332.167
Ge	72	1	He	97.57538401	660723.377
Ge	72	2	H2	98.50358642	1786710.750
In	115	1	He	93.06654142	6783986.393
Tb	159	1	He	96.40761365	15610532.267
Ir	193	1	He	92.10947589	7200402.183

Sample Name	10607340006_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	042SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:41:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	40.720847	1.1	31803.657
Be	9	2	H2	0.063637	16.4	48.667
B	11	2	H2	992.121507	1.8	696091.577
Na	23	1	He	274555.3450	0.7	574976711.433
Mg	24	1	He	57794.97811	1.3	67232525.667
Al	27	1	He	6.956091	2.7	4653.590
Si	28	2	H2	15429.49153	4.8	69761398.667
K	39	1	He	4367.111289	0.5	7707018.637
Ca	43	1	He	167439.1713	0.8	890785.130
Ca	44	1	He	167292.2686	1.5	14904102.807
Ti	47	1	He	0.174669	21.8	103.333
V	51	1	He	11.541983	2.6	154034.450
Cr	52	1	He	27.410311	0.4	443339.373
Mn	55	1	He	0.680285	2.3	9329.767
Fe	56	1	He	10.702254	1.6	176862.873
Co	59	1	He	0.092019	3.7	2186.810
Ni	60	1	He	0.436147	1.7	3329.650
Cu	63	1	He	0.400558	1.2	6041.700
Zn	66	1	He	3.469034	3.4	10421.717
As	75	1	He	4.101991	0.7	10150.050
Se	78	2	H2	4.132817	0.9	4820.660
Sr	88	1	He	1936.268883	0.3	37143351.947
Mo	95	1	He	1.292382	2.2	11528.890
Pd	105	1	He	0.297992	1.7	3683.803
Ag	107	1	He	0.010848	12.6	1151.717
Cd	111	1	He	0.060595	32.8	284.880
Sn	118	1	He	0.165563	6.0	2190.167
Sb	121	1	He	0.065008	9.7	1128.383
Ba	138	1	He	31.573898	0.9	1265041.727
Pt	195	1	He	0.010112	46.8	243.340
Hg	202	1	He	0.010282	63.7	156.670
Tl	205	1	He	0.011253	16.2	1393.410
Pb	206	1	He	0.064115	19.4	1283.400
Pb	207	1	He	0.059878	9.2	1916.800
Pb	208	1	He	0.062085	10.6	5832.110
Bi	209	1	He	0.045486	6.9	4240.660
Th	232	1	He	0.015983	1.7	1310.070
U	238	1	He	6.072052	0.8	487811.570

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.7133394	1156109.623
Sc	45	2	H2	97.68929125	6547304.000
Ge	72	1	He	100.4455957	680158.770
Ge	72	2	H2	98.99513457	1795626.713
In	115	1	He	95.19274603	6938973.813
Tb	159	1	He	99.18711987	16060596.010
Ir	193	1	He	94.23088962	7366237.803

Sample Name	10607340007_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	043SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:45:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	28.343458	0.4	22081.370
Be	9	2	H2	0.024237	9.7	22.333
B	11	2	H2	792.181559	4.1	554978.457
Na	23	1	He	188492.8968	4.1	377144487.713
Mg	24	1	He	50280.70819	3.8	55888450.833
Al	27	1	He	5.324364	3.6	3464.663
Si	28	2	H2	15581.39281	4.9	70229644.000
K	39	1	He	3737.951622	3.8	6322409.283
Ca	43	1	He	177196.4842	3.1	900863.970
Ca	44	1	He	176584.8538	3.7	15031974.173
Ti	47	1	He	0.161298	30.8	92.000
V	51	1	He	12.195745	3.8	155609.363
Cr	52	1	He	20.984459	3.8	324419.357
Mn	55	1	He	0.594742	3.2	7919.090
Fe	56	1	He	5.786657	3.5	99646.077
Co	59	1	He	0.061275	7.6	1441.400
Ni	60	1	He	0.404636	2.0	3052.937
Cu	63	1	He	0.294223	3.9	4375.217
Zn	66	1	He	6.885618	3.1	19772.237
As	75	1	He	5.537866	3.8	13145.660
Se	78	2	H2	3.412184	3.1	3954.780
Sr	88	1	He	1544.018460	4.1	28957589.567
Mo	95	1	He	1.246342	4.0	10753.410
Pd	105	1	He	0.238893	10.4	2890.303
Ag	107	1	He	0.006296	76.6	1020.043
Cd	111	1	He	0.024993	22.1	116.770
Sn	118	1	He	0.131286	12.7	1735.110
Sb	121	1	He	0.049266	9.9	860.030
Ba	138	1	He	41.072642	3.0	1609065.393
Pt	195	1	He	0.012326	44.7	270.010
Hg	202	1	He	0.012755	110.8	173.340
Tl	205	1	He	0.003394	21.8	945.037
Pb	206	1	He	0.035361	10.7	736.693
Pb	207	1	He	0.029200	20.7	1410.077
Pb	208	1	He	0.033420	2.2	3660.193
Bi	209	1	He	0.020626	10.8	2750.297
Th	232	1	He	0.007141	7.8	606.687
U	238	1	He	4.827040	2.1	381936.077

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.0931402	1105581.877
Sc	45	2	H2	97.35165691	6524675.167
Ge	72	1	He	97.16502514	657944.667
Ge	72	2	H2	98.29689718	1782961.710
In	115	1	He	93.14776267	6789906.930
Tb	159	1	He	97.03914122	15712790.597
Ir	193	1	He	92.83165278	7256856.353

Sample Name	10607340008_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	044SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:48:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	28.831038	0.7	22311.643
Be	9	2	H2	0.051307	9.3	40.000
B	11	2	H2	696.695898	2.0	484735.030
Na	23	1	He	175233.0129	0.7	357007701.347
Mg	24	1	He	50793.60998	1.5	57480149.143
Al	27	1	He	8.875715	2.7	5703.217
Si	28	2	H2	15124.10410	4.6	67728881.333
K	39	1	He	3621.718532	0.9	6241147.200
Ca	43	1	He	178686.9271	0.5	924773.380
Ca	44	1	He	177695.3361	1.0	15400122.257
Ti	47	1	He	0.167824	21.7	96.667
V	51	1	He	12.367656	1.6	160708.763
Cr	52	1	He	13.202563	0.7	208037.913
Mn	55	1	He	0.709435	0.4	9422.470
Fe	56	1	He	3.488001	0.7	68414.677
Co	59	1	He	0.075864	4.4	1794.097
Ni	60	1	He	0.301278	6.0	2544.190
Cu	63	1	He	0.297148	1.8	4498.577
Zn	66	1	He	3.588363	1.4	10607.157
As	75	1	He	5.303491	1.2	12839.103
Se	78	2	H2	3.532226	2.2	4099.147
Sr	88	1	He	1599.667833	0.5	30144271.217
Mo	95	1	He	1.104667	2.7	9704.443
Pd	105	1	He	0.218900	3.9	2666.933
Ag	107	1	He	0.003963	70.7	966.700
Cd	111	1	He	0.034469	30.5	160.420
Sn	118	1	He	0.090174	5.3	1248.390
Sb	121	1	He	0.052981	1.6	920.030
Ba	138	1	He	35.694486	1.0	1410899.300
Pt	195	1	He	0.015324	22.3	316.677
Hg	202	1	He	0.005176	116.8	116.667
Tl	205	1	He	0.012699	15.8	1451.747
Pb	206	1	He	0.061974	9.1	1226.727
Pb	207	1	He	0.057334	12.4	1851.793
Pb	208	1	He	0.061389	4.5	5703.760
Bi	209	1	He	0.040734	10.8	3913.897
Th	232	1	He	0.016124	5.5	1313.403
U	238	1	He	3.879474	0.2	309875.203

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.8393477	1124678.873
Sc	45	2	H2	96.69705565	6480802.667
Ge	72	1	He	98.89588899	669665.063
Ge	72	2	H2	98.44050249	1785566.500
In	115	1	He	93.51358062	6816572.840
Tb	159	1	He	97.85943747	15845614.763
Ir	193	1	He	93.67879140	7323079.060

Sample Name	10607546001_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	045SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:52:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	58.481397	1.7	44798.057
Be	9	2	H2	0.021498	29.9	20.333
B	11	2	H2	120.672413	4.6	85726.490
Na	23	1	He	63631.16888	0.7	128805968.083
Mg	24	1	He	93991.61841	0.6	105676291.760
Al	27	1	He	4.870025	1.3	3227.620
Si	28	2	H2	14333.63163	5.3	63598396.000
K	39	1	He	4643.374886	1.0	7911285.713
Ca	43	1	He	217182.9090	0.1	1116709.073
Ca	44	1	He	216523.5443	1.2	18643660.350
Ti	47	1	He	0.154461	5.3	88.667
V	51	1	He	8.109770	1.5	104048.547
Cr	52	1	He	11.481224	0.8	179819.707
Mn	55	1	He	2.230906	1.5	27304.533
Fe	56	1	He	12.241122	0.2	192891.820
Co	59	1	He	0.064583	3.6	1534.073
Ni	60	1	He	0.267757	4.0	2347.500
Cu	63	1	He	0.785705	3.5	11280.893
Zn	66	1	He	3.798796	1.5	11147.483
As	75	1	He	3.569520	0.2	8679.940
Se	78	2	H2	4.134789	1.2	4732.973
Sr	88	1	He	2579.056869	0.9	48617485.940
Mo	95	1	He	0.841245	2.2	7351.590
Pd	105	1	He	0.392298	2.1	4754.080
Ag	107	1	He	-0.001647		831.697
Cd	111	1	He	0.010502	35.7	51.127
Sn	118	1	He	0.144258	5.2	1896.787
Sb	121	1	He	0.056262	9.9	971.703
Ba	138	1	He	75.244777	0.6	2988942.873
Pt	195	1	He	0.011155	25.8	256.673
Hg	202	1	He	0.002413	29.2	96.667
Tl	205	1	He	-0.000409		751.693
Pb	206	1	He	0.018533	3.3	436.677
Pb	207	1	He	0.024473	5.9	1358.403
Pb	208	1	He	0.020508	5.1	2775.123
Bi	209	1	He	0.015592	18.1	2503.577
Th	232	1	He	0.008655	9.3	736.693
U	238	1	He	6.136224	0.8	494600.437

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.1701756	1117360.627
Sc	45	2	H2	95.84926328	6423982.167
Ge	72	1	He	98.29566975	665600.730
Ge	72	2	H2	97.14852237	1762131.873
In	115	1	He	93.55277346	6819429.760
Tb	159	1	He	98.34546306	15924313.093
Ir	193	1	He	94.54369525	7390690.513

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	046_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:56:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	83.504503	4.6	68846.330
Be	9	2	H2	82.783250	4.1	58150.800
B	11	2	H2	90.428203	5.7	69931.340
Na	23	1	He	2101.256602	1.2	4297178.163
Mg	24	1	He	2062.031787	1.3	2336021.320
Al	27	1	He	2023.298090	0.8	1239764.003
Si	28	2	H2	1013.711454	4.6	4850966.833
K	39	1	He	2003.536708	0.7	3512565.887
Ca	43	1	He	2035.698835	1.0	10541.607
Ca	44	1	He	2029.679987	1.6	176020.343
Ti	47	1	He	77.391661	1.1	42985.117
V	51	1	He	82.315816	0.8	1079672.477
Cr	52	1	He	82.765753	0.2	1300479.043
Mn	55	1	He	83.964821	0.5	997304.123
Fe	56	1	He	1038.641918	1.6	14931030.667
Co	59	1	He	82.157374	0.8	1902081.167
Ni	60	1	He	83.485607	0.6	474012.270
Cu	63	1	He	86.041189	0.9	1256804.083
Zn	66	1	He	81.501612	0.8	245546.277
As	75	1	He	77.995300	0.5	192585.000
Se	78	2	H2	78.123973	0.8	95641.507
Sr	88	1	He	77.352465	1.3	1538629.560
Mo	95	1	He	81.177440	0.8	740691.787
Pd	105	1	He	82.361464	0.9	1045576.263
Ag	107	1	He	41.071787	3.1	1040089.230
Cd	111	1	He	80.757371	1.0	388932.020
Sn	118	1	He	79.477679	0.4	1005132.590
Sb	121	1	He	76.811971	1.4	1267261.830
Ba	138	1	He	79.719659	1.1	3265696.723
Pt	195	1	He	82.540157	0.3	1258396.960
Hg	202	1	He	3.802256	4.0	29323.823
Tl	205	1	He	40.027874	0.2	2230301.580
Pb	206	1	He	81.014037	2.0	1532419.250
Pb	207	1	He	85.669971	1.5	1354058.990
Pb	208	1	He	81.959890	1.6	6115489.340
Bi	209	1	He	83.115721	1.2	4880786.697
Th	232	1	He	77.487317	1.2	6552710.527
U	238	1	He	76.066687	1.0	6579560.530

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.7951065	1124195.040
Sc	45	2	H2	103.1632980	6914181.333
Ge	72	1	He	102.9718310	697264.957
Ge	72	2	H2	104.2675857	1891261.253
In	115	1	He	98.70018234	7194644.647
Tb	159	1	He	101.4284097	16423510.587
Ir	193	1	He	101.4735786	7932414.883

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	047_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:59:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.116884	4.4	173.000
Be	9	2	H2	0.015734	13.0	18.333
B	11	2	H2	7.208050	9.3	8795.560
Na	23	1	He	24.554621	6.8	68850.337
Mg	24	1	He	-0.010306		3705.413
Al	27	1	He	0.160783	48.6	363.333
Si	28	2	H2	0.988044	45.1	18422.423
K	39	1	He	5.772913	82.9	147838.107
Ca	43	1	He	3.416944	57.2	28.687
Ca	44	1	He	2.762858	36.0	434.823
Ti	47	1	He	0.004612	77.9	6.000
V	51	1	He	-0.101976		-3223.500
Cr	52	1	He	0.005402	48.7	685.350
Mn	55	1	He	-0.067422		200.667
Fe	56	1	He	-0.149876		16217.280
Co	59	1	He	-0.000198		106.000
Ni	60	1	He	-0.111566		306.667
Cu	63	1	He	0.027900	9.2	744.020
Zn	66	1	He	-0.008127		216.667
As	75	1	He	0.024185	25.7	348.167
Se	78	2	H2	0.009459	31.3	31.333
Sr	88	1	He	0.040525	13.2	1053.377
Mo	95	1	He	0.004151	42.4	63.333
Pd	105	1	He	0.007764	33.8	136.667
Ag	107	1	He	0.221665	19.1	6609.677
Cd	111	1	He	0.004762	31.8	26.650
Sn	118	1	He	0.014079	39.3	360.010
Sb	121	1	He	0.003429	29.6	156.667
Ba	138	1	He	0.006239	25.7	420.010
Pt	195	1	He	0.008824	54.5	230.007
Hg	202	1	He	0.025585	18.5	280.010
Tl	205	1	He	0.046416	25.1	3398.727
Pb	206	1	He	0.004018	36.9	176.667
Pb	207	1	He	0.012105	52.6	1215.060
Pb	208	1	He	0.006454	28.4	1826.737
Bi	209	1	He	0.005585	21.5	2010.177
Th	232	1	He	0.006998	7.9	648.353
U	238	1	He	0.003855	12.5	426.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.3688548	1130469.707
Sc	45	2	H2	106.7191877	7152503.167
Ge	72	1	He	101.9647603	690445.663
Ge	72	2	H2	107.5171910	1950204.333
In	115	1	He	100.3765978	7316845.170
Tb	159	1	He	102.2847675	16562173.920
Ir	193	1	He	101.2211951	7912685.503

Sample Name	10607546002_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	048SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:03:22
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	19.237529	4.5	15685.350
Be	9	2	H2	0.049248	12.6	40.667
B	11	2	H2	50.617285	5.4	39953.037
Na	23	1	He	23334.76010	2.2	47724855.957
Mg	24	1	He	31542.60223	1.8	35825397.797
Al	27	1	He	38.582099	2.1	23995.117
Si	28	2	H2	4997.677823	7.1	23532753.333
K	39	1	He	4787.443164	1.8	8235232.587
Ca	43	1	He	79481.66846	1.2	412841.890
Ca	44	1	He	79571.28715	2.3	6920746.817
Ti	47	1	He	0.182785	36.7	105.333
V	51	1	He	5.803685	4.7	74663.390
Cr	52	1	He	9.830594	2.1	155612.270
Mn	55	1	He	131.146681	1.7	1563371.540
Fe	56	1	He	14.912164	1.8	233370.277
Co	59	1	He	0.658508	1.5	15011.600
Ni	60	1	He	0.972779	3.0	6308.460
Cu	63	1	He	0.334533	1.2	5112.077
Zn	66	1	He	4.327380	1.1	12970.043
As	75	1	He	2.420833	1.5	6119.887
Se	78	2	H2	1.251963	1.2	1522.737
Sr	88	1	He	945.759054	0.7	18518616.390
Mo	95	1	He	1.044208	0.7	9339.267
Pd	105	1	He	0.142777	6.9	1820.133
Ag	107	1	He	0.057674	12.7	2341.847
Cd	111	1	He	0.031778	18.5	153.863
Sn	118	1	He	0.165503	3.4	2235.170
Sb	121	1	He	0.189226	5.3	3168.663
Ba	138	1	He	24.664368	0.7	998620.167
Pt	195	1	He	0.011485	11.6	266.677
Hg	202	1	He	0.027172	26.4	286.677
Tl	205	1	He	0.031159	8.5	2503.553
Pb	206	1	He	0.053050	14.3	1090.053
Pb	207	1	He	0.052931	8.8	1828.457
Pb	208	1	He	0.053384	4.7	5252.040
Bi	209	1	He	0.026036	13.2	3157.060
Th	232	1	He	0.018464	6.4	1575.097
U	238	1	He	1.195773	1.8	100616.280

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.2177064	1128816.707
Sc	45	2	H2	101.6325479	6811587.833
Ge	72	1	He	100.6641645	681638.790
Ge	72	2	H2	102.3448810	1856386.207
In	115	1	He	97.16645144	7082844.967
Tb	159	1	He	100.2294620	16229374.343
Ir	193	1	He	98.62370924	7709634.263

Sample Name	10607546003_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	049SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:06:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	31.887970	1.3	24412.063
Be	9	2	H2	0.020515	12.0	19.500
B	11	2	H2	840.057665	2.6	578083.167
Na	23	1	He	186297.4890	0.3	378019074.367
Mg	24	1	He	51560.54500	0.7	58116009.133
Al	27	1	He	4.762360	3.4	3169.607
Si	28	2	H2	15035.20103	4.5	66629064.000
K	39	1	He	3971.885522	0.6	6804130.107
Ca	43	1	He	194086.3300	0.3	1000450.193
Ca	44	1	He	194344.8212	0.5	16775834.043
Ti	47	1	He	0.151721	16.2	87.333
V	51	1	He	10.437846	3.7	134795.897
Cr	52	1	He	42.464026	0.1	665125.310
Mn	55	1	He	0.271628	1.3	4208.503
Fe	56	1	He	3.462877	0.5	67778.973
Co	59	1	He	0.049201	5.0	1190.043
Ni	60	1	He	0.338759	3.2	2721.550
Cu	63	1	He	0.206734	1.4	3199.630
Zn	66	1	He	2.670028	2.2	7876.423
As	75	1	He	5.418646	0.4	12985.213
Se	78	2	H2	4.594009	1.2	5246.450
Sr	88	1	He	1517.255579	1.0	28510564.573
Mo	95	1	He	1.567027	5.8	13618.763
Pd	105	1	He	0.226469	8.8	2750.287
Ag	107	1	He	0.017278	27.4	1281.730
Cd	111	1	He	0.025167	17.9	117.580
Sn	118	1	He	0.054738	10.1	821.697
Sb	121	1	He	0.080926	14.1	1353.403
Ba	138	1	He	61.047031	1.5	2405442.360
Pt	195	1	He	0.009739	54.7	233.340
Hg	202	1	He	0.012831	86.7	173.337
Tl	205	1	He	0.001119	160.9	826.700
Pb	206	1	He	0.013712	21.6	345.010
Pb	207	1	He	0.006547	72.6	1075.047
Pb	208	1	He	0.011830	12.1	2130.080
Bi	209	1	He	0.001757	224.8	1700.123
Th	232	1	He	0.003671	32.8	336.673
U	238	1	He	4.418426	1.1	348154.580

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.4256935	1120155.040
Sc	45	2	H2	95.71159397	6414755.333
Ge	72	1	He	97.94697057	663239.543
Ge	72	2	H2	96.95191995	1758565.793
In	115	1	He	93.24835444	6797239.460
Tb	159	1	He	97.56330501	15797664.347
Ir	193	1	He	92.41633840	7224390.307

Sample Name	4319183_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	050SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:10:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	131.505305	1.1	100897.893
Be	9	2	H2	102.589014	1.6	67101.760
B	11	2	H2	953.463313	3.7	658506.473
Na	23	1	He	186281.3996	1.1	382463300.967
Mg	24	1	He	53472.34236	0.8	60986594.090
Al	27	1	He	2045.833756	0.6	1263907.833
Si	28	2	H2	15632.32226	5.3	69538177.333
K	39	1	He	6006.286554	0.3	10340085.473
Ca	43	1	He	195871.3306	0.1	1021641.090
Ca	44	1	He	194158.1504	0.6	16958574.180
Ti	47	1	He	100.594552	0.8	56330.527
V	51	1	He	116.661678	0.3	1543590.717
Cr	52	1	He	145.885447	0.5	2310738.000
Mn	55	1	He	102.180922	0.9	1223418.500
Fe	56	1	He	2050.669144	0.6	29706666.000
Co	59	1	He	105.066110	0.6	2338061.250
Ni	60	1	He	104.873173	0.7	572093.083
Cu	63	1	He	101.739882	1.4	1428337.420
Zn	66	1	He	102.883611	1.1	297873.970
As	75	1	He	111.323861	0.6	264095.210
Se	78	2	H2	110.073211	1.9	125214.277
Sr	88	1	He	1630.453993	0.9	30440061.217
Mo	95	1	He	109.884174	0.6	963726.263
Pd	105	1	He	20.190832	0.3	240645.200
Ag	107	1	He	46.346096	2.8	1101623.997
Cd	111	1	He	102.094220	1.1	461533.767
Sn	118	1	He	105.621621	0.3	1253853.237
Sb	121	1	He	102.051405	1.0	1580466.953
Ba	138	1	He	162.731751	0.6	6443456.360
Pt	195	1	He	20.239484	1.3	298299.170
Hg	202	1	He	0.014152	81.5	183.337
Tl	205	1	He	100.258772	0.9	5398094.920
Pb	206	1	He	99.075826	1.1	1811640.703
Pb	207	1	He	100.530897	2.2	1535677.113
Pb	208	1	He	98.771557	0.6	7123739.220
Bi	209	1	He	97.967377	1.6	5560326.377
Th	232	1	He	107.068294	0.5	8334090.710
U	238	1	He	106.618446	1.3	8488246.540

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.6418913	1133455.707
Sc	45	2	H2	96.08984699	6440106.500
Ge	72	1	He	98.97773698	670219.290
Ge	72	2	H2	96.88391317	1757332.250
In	115	1	He	92.65023417	6753640.120
Tb	159	1	He	98.03306250	15873728.510
Ir	193	1	He	93.40552723	7301717.393

Sample Name	10607546004_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	051SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:14:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	77.333483	2.0	60517.647
Be	9	2	H2	0.055437	17.4	43.333
B	11	2	H2	174.886722	3.2	125549.983
Na	23	1	He	136432.9572	1.1	286000069.070
Mg	24	1	He	101829.2589	0.8	118570914.900
Al	27	1	He	5.783574	3.6	3918.420
Si	28	2	H2	8608.450338	6.1	39041486.667
K	39	1	He	7552.520132	0.6	13238263.133
Ca	43	1	He	196875.7727	0.6	1048413.880
Ca	44	1	He	196081.1770	1.2	17485555.767
Ti	47	1	He	0.132627	9.5	79.333
V	51	1	He	6.635657	3.8	87813.120
Cr	52	1	He	5.244630	1.1	85404.187
Mn	55	1	He	355.872056	1.0	4347759.000
Fe	56	1	He	9.764803	0.4	163176.873
Co	59	1	He	0.667743	0.6	15114.360
Ni	60	1	He	1.821080	3.6	10930.003
Cu	63	1	He	0.221290	3.0	3471.680
Zn	66	1	He	23.618026	1.3	69240.763
As	75	1	He	2.152996	1.7	5436.327
Se	78	2	H2	3.070826	0.9	3607.703
Sr	88	1	He	2962.950013	0.4	56230169.163
Mo	95	1	He	7.768674	2.0	68828.267
Pd	105	1	He	0.443279	3.3	5404.293
Ag	107	1	He	0.228708	21.7	6402.963
Cd	111	1	He	0.043368	31.3	202.683
Sn	118	1	He	0.388000	2.4	4850.723
Sb	121	1	He	0.251572	4.0	4052.187
Ba	138	1	He	161.106715	1.1	6390887.613
Pt	195	1	He	0.014995	20.3	313.343
Hg	202	1	He	0.016749	17.4	203.340
Tl	205	1	He	0.043977	16.2	3145.340
Pb	206	1	He	0.053213	9.9	1071.713
Pb	207	1	He	0.047573	9.4	1710.107
Pb	208	1	He	0.052805	3.9	5105.350
Bi	209	1	He	0.047372	17.1	4304.023
Th	232	1	He	0.030796	9.1	2461.887
U	238	1	He	1.583633	0.5	126706.927

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.8176184	1157250.047
Sc	45	2	H2	97.93963299	6564082.333
Ge	72	1	He	99.95726840	676852.103
Ge	72	2	H2	99.57129503	1806077.420
In	115	1	He	94.17726282	6864951.247
Tb	159	1	He	98.21440219	15903091.430
Ir	193	1	He	93.80072568	7332610.933

Sample Name	10607546005_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	052SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:17:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	65.218254	1.0	48649.873
Be	9	2	H2	0.042558	9.0	33.167
B	11	2	H2	100.545083	3.0	70045.060
Na	23	1	He	80109.09644	0.7	158304734.310
Mg	24	1	He	125280.3140	1.6	137502574.617
Al	27	1	He	8.614766	1.7	5377.120
Si	28	2	H2	13606.12950	5.2	58826554.667
K	39	1	He	5586.400773	0.6	9264730.280
Ca	43	1	He	290257.0734	0.6	1456966.323
Ca	44	1	He	290019.1642	0.8	24378706.827
Ti	47	1	He	0.153471	13.8	86.000
V	51	1	He	7.675677	6.8	96052.683
Cr	52	1	He	37.035151	0.2	564964.750
Mn	55	1	He	3.664739	1.5	43165.290
Fe	56	1	He	7.246916	1.0	118720.050
Co	59	1	He	0.101431	6.9	2270.153
Ni	60	1	He	0.420667	3.1	3069.607
Cu	63	1	He	0.162854	2.3	2512.850
Zn	66	1	He	13.460646	1.3	37617.293
As	75	1	He	3.965674	1.1	9293.750
Se	78	2	H2	5.268251	2.5	5851.300
Sr	88	1	He	3746.775898	0.8	68452153.980
Mo	95	1	He	1.623998	3.5	13698.810
Pd	105	1	He	0.585310	3.6	6858.217
Ag	107	1	He	0.068491	3.1	2436.867
Cd	111	1	He	0.030069	42.6	135.887
Sn	118	1	He	0.126291	4.5	1630.093
Sb	121	1	He	0.066278	5.8	1093.380
Ba	138	1	He	73.387311	0.3	2847783.917
Pt	195	1	He	0.011327	33.5	253.340
Hg	202	1	He	0.008220	11.3	136.667
Tl	205	1	He	0.015125	15.8	1553.430
Pb	206	1	He	0.055479	3.9	1088.383
Pb	207	1	He	0.050981	7.5	1723.443
Pb	208	1	He	0.055256	1.4	5167.027
Bi	209	1	He	0.028285	8.7	3150.380
Th	232	1	He	0.018338	9.8	1441.753
U	238	1	He	6.659204	0.9	515701.843

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.74080894	1090792.417
Sc	45	2	H2	93.36737370	6257641.667
Ge	72	1	He	95.04098889	643561.937
Ge	72	2	H2	94.34290972	1711242.170
In	115	1	He	90.66118482	6608650.487
Tb	159	1	He	96.07204098	15556195.603
Ir	193	1	He	90.83547258	7100810.517

Sample Name	10607546006_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	053SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:21:27
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.634206	0.5	60852.737
Be	9	2	H2	0.029152	41.1	26.167
B	11	2	H2	139.819684	2.6	102500.790
Na	23	1	He	234338.0165	5.6	476452846.233
Mg	24	1	He	312.508693	5.9	356593.967
Al	27	1	He	26.467005	5.8	16451.280
Si	28	2	H2	867.109903	4.9	4003106.667
K	39	1	He	66174.67500	5.3	111444891.673
Ca	43	1	He	87209.44582	5.6	450433.807
Ca	44	1	He	87477.19619	4.7	7567885.897
Ti	47	1	He	0.178485	18.9	102.000
V	51	1	He	0.486392	26.7	4550.363
Cr	52	1	He	12.959057	5.1	203821.227
Mn	55	1	He	0.045346	17.3	1536.737
Fe	56	1	He	4.401615	7.0	81376.490
Co	59	1	He	0.060583	5.5	1422.730
Ni	60	1	He	0.702439	6.3	4621.943
Cu	63	1	He	1.177486	3.4	16476.223
Zn	66	1	He	2.680112	5.8	7803.053
As	75	1	He	0.849286	3.3	2242.143
Se	78	2	H2	2.845021	0.6	3402.333
Sr	88	1	He	1871.754886	5.2	35072306.147
Mo	95	1	He	33.967321	4.9	291067.577
Pd	105	1	He	0.306755	9.7	3703.813
Ag	107	1	He	0.039984	14.3	1818.447
Cd	111	1	He	0.028817	7.4	134.347
Sn	118	1	He	0.324200	11.5	4022.173
Sb	121	1	He	0.570371	5.5	8955.757
Ba	138	1	He	300.980764	5.9	11645695.663
Pt	195	1	He	0.018749	8.3	360.013
Hg	202	1	He	0.012695	39.5	170.003
Tl	205	1	He	0.035698	5.9	2636.920
Pb	206	1	He	0.051595	10.6	1015.043
Pb	207	1	He	0.053474	13.3	1763.453
Pb	208	1	He	0.051397	2.7	4888.653
Bi	209	1	He	0.024903	23.7	2967.020
Th	232	1	He	0.010104	0.9	828.363
U	238	1	He	0.007720	20.4	686.690

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.7960212	1124205.043
Sc	45	2	H2	99.42001883	6663300.333
Ge	72	1	He	96.80328389	655495.167
Ge	72	2	H2	101.3172278	1837746.083
In	115	1	He	93.13295047	6788827.210
Tb	159	1	He	96.01513348	15546981.017
Ir	193	1	He	92.01362718	7192909.477

Sample Name	10607546007_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	054SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:25:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	58.316883	1.4	45022.290
Be	9	2	H2	0.032603	11.5	27.667
B	11	2	H2	137.536673	2.8	98030.303
Na	23	1	He	104625.0182	0.8	216396396.777
Mg	24	1	He	107996.0778	0.9	124069604.817
Al	27	1	He	11.656929	0.5	7520.867
Si	28	2	H2	10130.84461	4.5	45306334.667
K	39	1	He	6893.655127	0.5	11934043.987
Ca	43	1	He	214045.9445	0.3	1124614.037
Ca	44	1	He	214336.5617	0.9	18857991.657
Ti	47	1	He	0.148699	18.0	87.333
V	51	1	He	6.247727	0.6	81469.330
Cr	52	1	He	2.829733	1.2	45742.727
Mn	55	1	He	196.053831	0.4	2363667.250
Fe	56	1	He	4.968708	1.2	91048.260
Co	59	1	He	0.852086	0.9	19058.740
Ni	60	1	He	2.170599	0.4	12721.863
Cu	63	1	He	0.224794	2.8	3484.353
Zn	66	1	He	39.551527	0.6	114603.370
As	75	1	He	1.646651	1.3	4180.990
Se	78	2	H2	4.299617	1.9	4948.360
Sr	88	1	He	3741.480720	0.6	70448653.950
Mo	95	1	He	3.473170	2.4	30474.977
Pd	105	1	He	0.603849	9.2	7288.337
Ag	107	1	He	0.014800	17.7	1225.053
Cd	111	1	He	0.040872	32.2	189.193
Sn	118	1	He	0.245938	3.3	3111.973
Sb	121	1	He	0.101841	8.9	1681.767
Ba	138	1	He	357.709512	0.8	14087023.957
Pt	195	1	He	0.006982	62.3	193.340
Hg	202	1	He	0.012909	17.0	173.340
Tl	205	1	He	0.012655	12.0	1445.080
Pb	206	1	He	0.033393	13.7	703.357
Pb	207	1	He	0.034359	39.2	1496.757
Pb	208	1	He	0.033265	14.6	3666.863
Bi	209	1	He	0.028112	20.8	3187.063
Th	232	1	He	0.008104	2.4	683.353
U	238	1	He	2.484394	1.7	197306.130

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	104.4010895	1141758.503
Sc	45	2	H2	96.61013855	6474977.333
Ge	72	1	He	98.93220292	669910.960
Ge	72	2	H2	97.68040105	1771779.373
In	115	1	He	93.44036891	6811236.150
Tb	159	1	He	97.50494879	15788215.180
Ir	193	1	He	93.12749261	7279982.810

Sample Name	FB 5/11/22
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	055SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:28:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.145763	18.7	195.167
Be	9	2	H2	0.023388	16.6	23.667
B	11	2	H2	7.962328	10.9	9275.827
Na	23	1	He	61.666491	3.0	148087.840
Mg	24	1	He	8.675893	8.8	13891.967
Al	27	1	He	17.123316	1.0	11048.293
Si	28	2	H2	16.296997	5.7	93048.880
K	39	1	He	13.048502	6.5	163863.897
Ca	43	1	He	35.179440	7.9	198.420
Ca	44	1	He	34.933294	16.3	3310.707
Ti	47	1	He	0.228651	8.2	134.000
V	51	1	He	-0.054367		-2659.493
Cr	52	1	He	0.357981	3.5	6389.810
Mn	55	1	He	0.024006	20.7	1320.720
Fe	56	1	He	4.942598	0.2	91714.733
Co	59	1	He	0.011881	4.8	388.010
Ni	60	1	He	-0.069808		548.010
Cu	63	1	He	0.104792	5.1	1880.107
Zn	66	1	He	1.236628	0.5	3977.123
As	75	1	He	0.163412	12.1	697.180
Se	78	2	H2	0.108741	7.0	154.333
Sr	88	1	He	0.224606	10.2	4874.060
Mo	95	1	He	0.110666	4.6	1038.377
Pd	105	1	He	0.075426	7.8	1030.050
Ag	107	1	He	-0.010938		666.687
Cd	111	1	He	0.013271	19.8	69.687
Sn	118	1	He	0.251565	6.2	3482.063
Sb	121	1	He	0.095926	4.0	1741.773
Ba	138	1	He	0.083496	10.1	3630.433
Pt	195	1	He	0.010832	40.1	263.343
Hg	202	1	He	0.009152	60.7	153.337
Tl	205	1	He	-0.003137		631.687
Pb	206	1	He	0.032281	7.7	720.027
Pb	207	1	He	0.045696	4.7	1760.117
Pb	208	1	He	0.035050	5.7	4001.900
Bi	209	1	He	0.025334	10.5	3197.067
Th	232	1	He	0.010680	13.3	970.040
U	238	1	He	0.004448	5.2	481.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.6094460	1154973.417
Sc	45	2	H2	105.6112036	7078244.167
Ge	72	1	He	103.2665474	699260.603
Ge	72	2	H2	105.9369021	1921540.207
In	115	1	He	102.3391588	7459903.960
Tb	159	1	He	102.8398541	16652054.750
Ir	193	1	He	102.2879637	7996077.173

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	056_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:32:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.849601	4.8	66997.107
Be	9	2	H2	82.417415	3.8	56779.840
B	11	2	H2	88.098613	4.7	66893.263
Na	23	1	He	2109.144673	0.7	4264540.560
Mg	24	1	He	2055.196627	0.7	2301992.883
Al	27	1	He	2021.388028	0.7	1224556.420
Si	28	2	H2	1018.878077	5.0	4782609.667
K	39	1	He	2040.038980	0.9	3533565.153
Ca	43	1	He	2039.002315	0.8	10439.487
Ca	44	1	He	2016.908903	1.5	172933.243
Ti	47	1	He	77.146564	1.1	42362.993
V	51	1	He	82.512657	0.9	1070003.227
Cr	52	1	He	82.765299	0.6	1285732.917
Mn	55	1	He	83.580618	0.9	981459.873
Fe	56	1	He	1031.821400	1.1	14666117.667
Co	59	1	He	82.196637	0.9	1883430.710
Ni	60	1	He	83.607405	0.9	469806.957
Cu	63	1	He	84.883577	0.5	1227127.873
Zn	66	1	He	80.527464	0.2	240123.773
As	75	1	He	77.480722	0.3	189350.287
Se	78	2	H2	78.333709	0.6	94278.417
Sr	88	1	He	76.664290	0.8	1524836.227
Mo	95	1	He	79.817940	0.2	720820.873
Pd	105	1	He	80.094657	1.3	1016726.030
Ag	107	1	He	40.215954	4.3	1018153.133
Cd	111	1	He	79.670834	0.4	383653.760
Sn	118	1	He	79.327899	0.8	1003118.213
Sb	121	1	He	75.373790	1.4	1243423.810
Ba	138	1	He	80.106761	1.4	3227608.700
Pt	195	1	He	81.028452	1.0	1214974.120
Hg	202	1	He	3.690344	5.3	27981.360
Tl	205	1	He	39.667260	0.5	2173726.480
Pb	206	1	He	82.150511	0.8	1528504.507
Pb	207	1	He	85.378075	0.4	1327335.243
Pb	208	1	He	82.276268	1.0	6038435.433
Bi	209	1	He	83.464362	1.6	4820483.367
Th	232	1	He	77.600727	1.3	6443326.987
U	238	1	He	76.301644	0.7	6480342.613

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.6278057	1111429.123
Sc	45	2	H2	101.1775188	6781091.000
Ge	72	1	He	101.9127898	690093.750
Ge	72	2	H2	102.5058574	1859306.083
In	115	1	He	98.69000403	7193902.710
Tb	159	1	He	99.75400736	16152387.677
Ir	193	1	He	99.63434098	7788637.590

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	057_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:35:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.105094	15.4	160.667
Be	9	2	H2	0.012565	36.3	15.833
B	11	2	H2	4.381508	8.8	6531.277
Na	23	1	He	23.459897	5.1	67027.023
Mg	24	1	He	-0.745988		2891.920
Al	27	1	He	0.168902	33.6	371.003
Si	28	2	H2	0.118233	146.9	13961.443
K	39	1	He	7.455903	28.3	151656.937
Ca	43	1	He	1.762957	65.0	20.430
Ca	44	1	He	1.535595	26.2	331.703
Ti	47	1	He	0.003354	63.2	5.333
V	51	1	He	-0.042395		-2461.633
Cr	52	1	He	0.007889	22.2	729.353
Mn	55	1	He	-0.064419		238.667
Fe	56	1	He	-0.132698		16568.257
Co	59	1	He	0.000448	344.8	122.000
Ni	60	1	He	-0.117635		274.667
Cu	63	1	He	0.023005	2.1	678.687
Zn	66	1	He	-0.014336		200.000
As	75	1	He	0.026715	22.1	357.167
Se	78	2	H2	0.013740	62.3	36.000
Sr	88	1	He	0.028603	8.3	831.693
Mo	95	1	He	0.004867	29.6	70.000
Pd	105	1	He	0.006762	55.7	126.670
Ag	107	1	He	0.192757	16.7	6019.450
Cd	111	1	He	0.005637	53.8	31.643
Sn	118	1	He	0.015920	26.8	393.343
Sb	121	1	He	0.003462	38.2	160.000
Ba	138	1	He	0.007758	14.7	488.343
Pt	195	1	He	0.003660	52.3	153.337
Hg	202	1	He	0.017558	25.0	220.007
Tl	205	1	He	0.039119	32.7	3025.323
Pb	206	1	He	0.002780	62.3	155.000
Pb	207	1	He	0.009540	97.2	1185.057
Pb	208	1	He	0.004834	65.3	1721.733
Bi	209	1	He	0.006297	80.2	2070.187
Th	232	1	He	0.007851	6.6	725.027
U	238	1	He	0.002343	19.7	296.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.8966323	1136241.623
Sc	45	2	H2	105.1113731	7044744.667
Ge	72	1	He	102.6943720	695386.167
Ge	72	2	H2	105.5736057	1914950.543
In	115	1	He	102.4948366	7471251.930
Tb	159	1	He	103.2425140	16717254.333
Ir	193	1	He	101.7078184	7950725.923

Sample Name	4323170_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	058SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:39:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.100903	18.4	157.833
Be	9	2	H2	0.010060	37.9	14.000
B	11	2	H2	4.270530	6.2	6474.597
Na	23	1	He	22.034506	2.9	64292.343
Mg	24	1	He	0.974855	22.6	4874.023
Al	27	1	He	2.462106	1.0	1796.423
Si	28	2	H2	0.792254	20.1	17303.483
K	39	1	He	6.468437	10.9	150432.510
Ca	43	1	He	7.020239	19.6	48.083
Ca	44	1	He	7.628396	13.4	867.580
Ti	47	1	He	0.054283	29.1	34.000
V	51	1	He	-0.075632		-2904.767
Cr	52	1	He	0.272872	1.1	4950.020
Mn	55	1	He	-0.038415		552.010
Fe	56	1	He	2.525480	1.3	55308.747
Co	59	1	He	-0.000021		110.667
Ni	60	1	He	-0.107469		330.670
Cu	63	1	He	0.033099	10.7	822.020
Zn	66	1	He	0.209220	4.9	867.357
As	75	1	He	0.019062	30.8	336.833
Se	78	2	H2	0.005593	76.7	26.000
Sr	88	1	He	0.025951	14.9	778.360
Mo	95	1	He	0.012072	15.4	135.000
Pd	105	1	He	0.002446	124.0	70.000
Ag	107	1	He	0.056154	13.8	2435.197
Cd	111	1	He	0.001971	77.0	13.297
Sn	118	1	He	0.022578	37.3	481.680
Sb	121	1	He	0.002086	114.6	136.667
Ba	138	1	He	0.012944	8.7	706.690
Pt	195	1	He	0.004700	24.3	170.003
Hg	202	1	He	0.015812	38.5	206.670
Tl	205	1	He	0.004088	21.7	1046.710
Pb	206	1	He	0.005593	17.2	210.003
Pb	207	1	He	0.006018	80.8	1131.717
Pb	208	1	He	0.005793	23.9	1800.063
Bi	209	1	He	0.006531	35.7	2093.513
Th	232	1	He	0.002559	13.8	283.340
U	238	1	He	0.001266	25.8	208.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	104.1989596	1139547.957
Sc	45	2	H2	105.5002594	7070808.500
Ge	72	1	He	102.2415400	692319.853
Ge	72	2	H2	105.6775303	1916835.583
In	115	1	He	102.6810152	7484823.220
Tb	159	1	He	103.5356100	16764713.083
Ir	193	1	He	104.2794187	8151753.627

Sample Name	4323171_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	059SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:43:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	107.262134	6.5	87270.110
Be	9	2	H2	107.701518	5.1	74675.663
B	11	2	H2	111.074508	4.4	84038.923
Na	23	1	He	2171.431761	1.4	4390555.250
Mg	24	1	He	2143.760775	0.7	2401448.247
Al	27	1	He	2073.999519	0.4	1256646.750
Si	28	2	H2	533.740285	6.2	2527204.167
K	39	1	He	2111.037610	0.2	3652455.780
Ca	43	1	He	2099.385810	0.4	10749.970
Ca	44	1	He	2065.915322	1.0	177158.920
Ti	47	1	He	99.770481	1.2	54792.593
V	51	1	He	104.490095	0.9	1355735.763
Cr	52	1	He	105.986040	0.8	1646580.333
Mn	55	1	He	106.185007	0.4	1246848.413
Fe	56	1	He	2124.550235	1.6	30182586.667
Co	59	1	He	108.776510	1.8	2472525.583
Ni	60	1	He	110.315902	0.8	614673.817
Cu	63	1	He	109.108310	0.9	1564697.627
Zn	66	1	He	105.121713	0.7	310896.457
As	75	1	He	102.495517	0.7	248400.207
Se	78	2	H2	102.027358	2.3	122316.923
Sr	88	1	He	101.703244	0.5	2015843.980
Mo	95	1	He	105.138260	1.3	941916.940
Pd	105	1	He	21.255797	0.7	268916.717
Ag	107	1	He	50.274750	2.8	1268280.870
Cd	111	1	He	102.586948	0.6	492301.853
Sn	118	1	He	100.332024	0.4	1264355.423
Sb	121	1	He	97.841317	0.8	1608576.433
Ba	138	1	He	102.626784	0.3	4116287.960
Pt	195	1	He	20.756234	0.5	309881.070
Hg	202	1	He	0.021755	57.6	243.340
Tl	205	1	He	105.404268	0.7	5748555.953
Pb	206	1	He	107.667790	0.6	1994201.113
Pb	207	1	He	108.048549	0.7	1671915.547
Pb	208	1	He	107.958683	0.5	7887118.783
Bi	209	1	He	108.732749	1.6	6250925.950
Th	232	1	He	104.617720	1.8	8726479.663
U	238	1	He	99.027279	1.6	8448975.917

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.6457390	1111625.247
Sc	45	2	H2	101.8698242	6827490.500
Ge	72	1	He	101.1062897	684632.603
Ge	72	2	H2	102.1416720	1852700.293
In	115	1	He	98.35044094	7169150.620
Tb	159	1	He	99.30190236	16079181.843
Ir	193	1	He	100.0981886	7824897.593

Sample Name	10608161001_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	060SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:46:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.900135	1.3	4906.810
Be	9	2	H2	0.019628	19.2	17.500
B	11	2	H2	8.702775	8.1	8201.953
Na	23	1	He	85864.36374	0.4	164160564.220
Mg	24	1	He	13579.69297	0.6	14423613.537
Al	27	1	He	98.821717	1.1	57081.907
Si	28	2	H2	1423.655664	3.8	5810918.833
K	39	1	He	31656.36401	0.7	50191685.920
Ca	43	1	He	539946.3669	0.8	2622208.807
Ca	44	1	He	540380.6853	0.6	43947332.770
Ti	47	1	He	0.367183	13.1	194.667
V	51	1	He	2.857199	1.7	33483.473
Cr	52	1	He	0.574602	0.9	9032.933
Mn	55	1	He	97.595505	0.9	1088075.210
Fe	56	1	He	7.058109	1.8	112321.740
Co	59	1	He	0.080719	2.1	1728.757
Ni	60	1	He	0.415933	5.8	2879.577
Cu	63	1	He	1.627449	0.6	21042.307
Zn	66	1	He	1.290128	5.4	3601.040
As	75	1	He	2.170793	1.7	4925.847
Se	78	2	H2	3.123644	3.2	3275.973
Sr	88	1	He	2688.858259	1.1	48493430.943
Mo	95	1	He	865.885372	1.0	6895168.440
Pd	105	1	He	0.439336	3.2	5090.857
Ag	107	1	He	0.209071	14.7	5625.987
Cd	111	1	He	0.124566	43.0	548.347
Sn	118	1	He	0.041199	4.6	633.353
Sb	121	1	He	0.214588	6.5	3297.017
Ba	138	1	He	28.767259	0.5	1092519.567
Pt	195	1	He	0.019963	15.0	370.013
Hg	202	1	He	0.179032	19.6	1350.083
Tl	205	1	He	0.025071	12.4	2033.487
Pb	206	1	He	0.017172	24.5	393.343
Pb	207	1	He	0.019945	50.3	1231.727
Pb	208	1	He	0.018734	13.3	2530.103
Bi	209	1	He	0.008490	20.0	2006.830
Th	232	1	He	0.029833	13.8	2261.857
U	238	1	He	3.925925	1.3	297526.297

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.50055853	1055356.163
Sc	45	2	H2	88.06979230	5902588.667
Ge	72	1	He	89.87085746	608552.833
Ge	72	2	H2	88.90462359	1612599.627
In	115	1	He	89.50217362	6524165.600
Tb	159	1	He	94.01746623	15223514.353
Ir	193	1	He	88.88248774	6948141.357

Sample Name	10608161001_B70212Dx50
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	061SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:50:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.246575	17.1	273.500
Be	9	2	H2	0.012922	35.6	15.667
B	11	2	H2	4.138338	2.8	6211.153
Na	23	1	He	1784.341176	0.8	3639594.740
Mg	24	1	He	282.414700	0.7	322056.747
Al	27	1	He	2.954328	4.6	2066.453
Si	28	2	H2	32.450697	5.8	167444.927
K	39	1	He	653.115426	1.0	1233497.900
Ca	43	1	He	10846.06101	1.3	55926.700
Ca	44	1	He	11127.09562	0.8	960843.080
Ti	47	1	He	0.016745	90.3	12.667
V	51	1	He	0.022908	294.3	-1569.813
Cr	52	1	He	0.048006	8.3	1346.720
Mn	55	1	He	1.962860	0.7	24208.850
Fe	56	1	He	0.283139	11.1	22287.040
Co	59	1	He	-0.000621		94.667
Ni	60	1	He	-0.095714		388.010
Cu	63	1	He	0.053783	8.5	1097.373
Zn	66	1	He	-0.000412		235.333
As	75	1	He	0.042302	16.0	385.167
Se	78	2	H2	0.052515	13.3	81.333
Sr	88	1	He	51.724401	0.7	1041917.743
Mo	95	1	He	16.529361	0.9	146541.723
Pd	105	1	He	0.014005	7.0	216.677
Ag	107	1	He	0.032095	3.7	1753.440
Cd	111	1	He	0.001235	121.6	9.370
Sn	118	1	He	0.112221	1.2	1616.760
Sb	121	1	He	0.005197	24.0	185.000
Ba	138	1	He	0.571503	0.7	23733.473
Pt	195	1	He	0.002905	58.6	140.000
Hg	202	1	He	0.011417	20.2	170.003
Tl	205	1	He	-0.006393		445.010
Pb	206	1	He	0.002170	98.7	141.667
Pb	207	1	He	0.004829	119.3	1098.383
Pb	208	1	He	0.002600	35.2	1536.727
Bi	209	1	He	0.005966	46.5	2030.167
Th	232	1	He	0.001849	14.4	213.333
U	238	1	He	0.076782	3.0	6663.140

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.4446634	1120362.500
Sc	45	2	H2	102.8428695	6892705.667
Ge	72	1	He	100.0388766	677404.707
Ge	72	2	H2	101.9813801	1849792.833
In	115	1	He	99.93986888	7285010.277
Tb	159	1	He	102.1139859	16534520.587
Ir	193	1	He	100.3910090	7847788.010

Sample Name	10608163001_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	062SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:53:51
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	8.124837	1.5	5426.947
Be	9	2	H2	0.007502	72.0	9.667
B	11	2	H2	8.745620	12.5	7735.107
Na	23	1	He	105359.2272	1.5	194131637.107
Mg	24	1	He	17102.98662	0.9	17507259.323
Al	27	1	He	100.676578	0.7	56044.067
Si	28	2	H2	1608.141586	2.9	6174164.333
K	39	1	He	39055.30252	0.4	59653817.443
Ca	43	1	He	682484.8494	1.0	3194432.543
Ca	44	1	He	689160.4502	0.8	54018662.487
Ti	47	1	He	0.408986	9.2	208.667
V	51	1	He	3.561926	1.0	40651.383
Cr	52	1	He	1.201491	1.6	17615.223
Mn	55	1	He	134.122155	1.2	1440809.080
Fe	56	1	He	12.750337	0.7	182212.293
Co	59	1	He	0.098340	2.4	1984.117
Ni	60	1	He	0.526649	7.1	3261.643
Cu	63	1	He	2.076600	3.0	25474.677
Zn	66	1	He	1.470597	2.2	3879.100
As	75	1	He	2.823231	1.2	6024.687
Se	78	2	H2	3.926118	0.6	3833.087
Sr	88	1	He	3398.983339	0.3	58775939.127
Mo	95	1	He	1093.752156	0.5	8289895.087
Pd	105	1	He	0.530773	3.2	5891.130
Ag	107	1	He	0.025615	11.0	1363.400
Cd	111	1	He	0.168857	7.2	710.033
Sn	118	1	He	0.049724	19.9	701.687
Sb	121	1	He	0.244795	6.6	3597.080
Ba	138	1	He	36.126490	0.7	1323190.500
Pt	195	1	He	0.009697	23.4	216.677
Hg	202	1	He	0.200507	7.7	1450.097
Tl	205	1	He	0.012716	5.8	1346.737
Pb	206	1	He	0.008645	41.9	235.003
Pb	207	1	He	0.007551	64.3	1013.377
Pb	208	1	He	0.007917	27.2	1718.390
Bi	209	1	He	0.002738	34.6	1633.450
Th	232	1	He	0.008975	2.3	683.353
U	238	1	He	5.080277	1.5	367059.437

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.00976810	1017179.937
Sc	45	2	H2	82.87768666	5554604.833
Ge	72	1	He	85.53570616	579197.727
Ge	72	2	H2	82.84240798	1502639.917
In	115	1	He	85.81307149	6255252.430
Tb	159	1	He	90.67394428	14682123.947
Ir	193	1	He	84.74501787	6624706.153

Sample Name	4323885_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	063SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:57:27
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	87.233260	5.6	53047.613
Be	9	2	H2	76.540140	6.1	39660.127
B	11	2	H2	79.956961	3.8	45936.690
Na	23	1	He	106093.9276	0.9	189337923.847
Mg	24	1	He	18654.92197	1.1	18494073.473
Al	27	1	He	2012.549600	0.6	1080652.207
Si	28	2	H2	2614.950882	4.9	9223151.333
K	39	1	He	40579.97033	0.8	60024757.440
Ca	43	1	He	676715.8472	0.9	3067710.427
Ca	44	1	He	679242.5732	1.4	51564798.640
Ti	47	1	He	78.281921	0.5	38101.013
V	51	1	He	85.537926	0.9	983206.013
Cr	52	1	He	79.931310	1.2	1100591.913
Mn	55	1	He	210.106205	1.2	2185594.083
Fe	56	1	He	947.558167	0.5	11939165.333
Co	59	1	He	82.202302	0.3	1553018.293
Ni	60	1	He	81.263794	0.8	376518.230
Cu	63	1	He	81.069521	0.7	966284.147
Zn	66	1	He	77.021589	0.9	189360.560
As	75	1	He	89.896356	0.7	181091.417
Se	78	2	H2	106.732359	4.6	95108.520
Sr	88	1	He	3486.845857	0.5	58201077.467
Mo	95	1	He	1150.685816	0.9	8567109.663
Pd	105	1	He	74.068615	1.6	789085.457
Ag	107	1	He	36.653684	4.3	778741.367
Cd	111	1	He	75.768556	1.4	306214.467
Sn	118	1	He	78.938690	1.2	837768.060
Sb	121	1	He	78.255873	1.2	1083497.770
Ba	138	1	He	115.005293	1.2	4094310.147
Pt	195	1	He	74.631063	0.9	988776.703
Hg	202	1	He	0.228947	4.0	1600.120
Tl	205	1	He	38.729902	1.1	1875316.067
Pb	206	1	He	76.393776	0.3	1255964.773
Pb	207	1	He	76.501543	0.5	1050985.297
Pb	208	1	He	75.691533	0.9	4908653.833
Bi	209	1	He	71.355970	1.5	3641684.633
Th	232	1	He	78.813883	1.4	5372277.833
U	238	1	He	86.642963	1.8	6041019.287

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.07867673	985124.730
Sc	45	2	H2	76.32626787	5115517.500
Ge	72	1	He	84.02843567	568991.373
Ge	72	2	H2	76.01978311	1378887.497
In	115	1	He	82.83480966	6038155.207
Tb	159	1	He	88.14305801	14272317.290
Ir	193	1	He	81.79839889	6394362.407

Sample Name	4323886_B70212Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	064SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:01:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.018005	5.6	1496.227
Be	9	2	H2	0.014866	28.0	14.833
B	11	2	H2	4.528341	13.0	5634.300
Na	23	1	He	23199.96925	1.2	42689692.697
Mg	24	1	He	3814.210957	1.1	3900419.423
Al	27	1	He	23.245680	1.2	13101.953
Si	28	2	H2	387.886105	7.0	1610440.457
K	39	1	He	8460.057828	0.9	12997300.227
Ca	43	1	He	149514.3915	0.7	698655.013
Ca	44	1	He	150175.6444	0.9	11751559.713
Ti	47	1	He	0.128073	9.1	67.333
V	51	1	He	0.728766	17.1	6958.890
Cr	52	1	He	0.295989	5.3	4738.640
Mn	55	1	He	30.135305	0.8	323891.103
Fe	56	1	He	3.011572	2.0	55589.007
Co	59	1	He	0.023075	0.9	560.010
Ni	60	1	He	0.034952	24.4	988.030
Cu	63	1	He	0.497087	3.2	6589.897
Zn	66	1	He	0.372659	8.1	1183.377
As	75	1	He	0.583084	6.0	1499.230
Se	78	2	H2	0.779053	4.5	823.687
Sr	88	1	He	714.825727	0.6	13124068.970
Mo	95	1	He	237.428995	0.5	1877731.587
Pd	105	1	He	0.112954	26.3	1356.753
Ag	107	1	He	0.199672	17.4	5510.950
Cd	111	1	He	0.044345	57.9	200.037
Sn	118	1	He	0.101341	9.4	1346.737
Sb	121	1	He	0.054862	11.6	925.033
Ba	138	1	He	7.964283	1.1	309928.243
Pt	195	1	He	0.008524	4.3	213.343
Hg	202	1	He	0.045618	23.5	410.013
Tl	205	1	He	0.058458	29.4	3850.510
Pb	206	1	He	0.005580	47.2	195.000
Pb	207	1	He	0.010796	41.9	1125.053
Pb	208	1	He	0.007389	12.3	1788.397
Bi	209	1	He	0.006723	51.6	1956.823
Th	232	1	He	0.010119	13.1	833.363
U	238	1	He	1.122787	1.6	88565.737

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.85235429	1015458.417
Sc	45	2	H2	89.00244025	5965096.333
Ge	72	1	He	89.25068620	604353.397
Ge	72	2	H2	88.29669577	1601572.707
In	115	1	He	91.10902661	6641295.437
Tb	159	1	He	96.30181440	15593401.020
Ir	193	1	He	92.45387045	7227324.270

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	065_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:04:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	81.703583	4.0	59698.193
Be	9	2	H2	82.210764	3.6	51176.843
B	11	2	H2	84.926290	5.6	58335.000
Na	23	1	He	2082.307714	0.7	3817837.963
Mg	24	1	He	2043.601609	1.0	2075544.397
Al	27	1	He	2024.561320	0.4	1112115.710
Si	28	2	H2	1029.432297	3.6	4365926.083
K	39	1	He	2027.543933	1.1	3185122.140
Ca	43	1	He	2039.081799	2.1	9465.770
Ca	44	1	He	2051.858658	0.8	159524.023
Ti	47	1	He	77.463647	0.7	38570.003
V	51	1	He	82.119638	1.3	965569.633
Cr	52	1	He	82.771782	0.4	1165921.377
Mn	55	1	He	84.374405	0.7	898415.043
Fe	56	1	He	1042.129912	0.7	13430858.667
Co	59	1	He	82.932535	1.0	1717862.837
Ni	60	1	He	84.103767	0.3	427250.300
Cu	63	1	He	85.703446	0.1	1120088.333
Zn	66	1	He	81.835098	0.5	220606.583
As	75	1	He	78.460362	0.5	173338.990
Se	78	2	H2	80.131645	1.2	85919.740
Sr	88	1	He	76.610261	0.4	1425012.220
Mo	95	1	He	82.102958	0.7	670290.120
Pd	105	1	He	79.999067	1.5	949620.323
Ag	107	1	He	40.638000	4.0	962109.310
Cd	111	1	He	80.823478	1.7	363946.383
Sn	118	1	He	79.838502	0.8	944172.410
Sb	121	1	He	76.045809	0.9	1173222.770
Ba	138	1	He	79.770888	1.3	3085587.450
Pt	195	1	He	81.411066	1.5	1171821.260
Hg	202	1	He	3.674820	2.3	26749.390
Tl	205	1	He	40.519513	2.0	2131476.637
Pb	206	1	He	82.643607	1.1	1476151.750
Pb	207	1	He	85.656942	1.2	1278363.760
Pb	208	1	He	82.938803	0.8	5843582.443
Bi	209	1	He	85.314476	0.4	4730363.157
Th	232	1	He	79.948409	1.8	6361493.030
U	238	1	He	77.971780	1.8	6346029.077

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.15169279	1007795.793
Sc	45	2	H2	91.45743058	6129634.000
Ge	72	1	He	92.13286635	623869.833
Ge	72	2	H2	91.32301993	1656465.793
In	115	1	He	92.29363587	6727646.267
Tb	159	1	He	95.76575447	15506601.020
Ir	193	1	He	95.49986135	7465436.140

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	066_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:08:15
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.081694	18.5	127.167
Be	9	2	H2	0.023014	35.2	21.000
B	11	2	H2	2.796997	7.5	4820.727
Na	23	1	He	21.777027	0.5	57933.310
Mg	24	1	He	-2.175735		1146.713
Al	27	1	He	0.176679	8.8	342.667
Si	28	2	H2	-0.054854		11847.960
K	39	1	He	7.502564	6.9	138284.157
Ca	43	1	He	5.464812	25.3	36.300
Ca	44	1	He	5.466736	26.4	615.873
Ti	47	1	He	-0.000963		2.667
V	51	1	He	0.008371	498.4	-1622.723
Cr	52	1	He	0.003837	106.7	606.010
Mn	55	1	He	-0.066128		198.667
Fe	56	1	He	-0.111810		15374.543
Co	59	1	He	0.000951	77.9	121.333
Ni	60	1	He	-0.099752		341.337
Cu	63	1	He	0.028958	16.1	695.350
Zn	66	1	He	0.002377	567.7	227.333
As	75	1	He	-0.000306		264.167
Se	78	2	H2	0.004476	64.9	22.000
Sr	88	1	He	0.028819	16.3	780.027
Mo	95	1	He	0.025798	18.1	236.670
Pd	105	1	He	0.006635	37.9	116.667
Ag	107	1	He	0.234763	17.5	6644.680
Cd	111	1	He	0.005012	109.3	26.597
Sn	118	1	He	0.016291	15.0	371.677
Sb	121	1	He	0.006319	70.2	195.000
Ba	138	1	He	0.009031	27.9	518.350
Pt	195	1	He	0.008576	84.3	220.007
Hg	202	1	He	0.028142	32.9	290.010
Tl	205	1	He	0.044622	30.2	3198.693
Pb	206	1	He	0.005216	42.5	193.337
Pb	207	1	He	0.012787	44.4	1185.060
Pb	208	1	He	0.007208	34.3	1821.740
Bi	209	1	He	0.005244	58.9	1923.493
Th	232	1	He	0.007569	4.6	670.020
U	238	1	He	0.003731	30.8	398.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.67252454	1035364.290
Sc	45	2	H2	94.87601904	6358753.667
Ge	72	1	He	93.30596885	631813.397
Ge	72	2	H2	94.22587730	1709119.373
In	115	1	He	95.63600037	6971284.367
Tb	159	1	He	98.83893566	16004217.260
Ir	193	1	He	97.23254739	7600884.053

Sample Name	4323172_B70212Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	067SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:11:50
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	23.073502	2.3	16278.847
Be	9	2	H2	21.276143	1.7	12761.653
B	11	2	H2	24.617665	4.3	18232.570
Na	23	1	He	23444.49491	2.9	41807291.043
Mg	24	1	He	4191.791186	3.4	4153322.750
Al	27	1	He	456.651497	3.2	245121.763
Si	28	2	H2	495.671029	4.3	2031677.917
K	39	1	He	8931.350018	2.8	13291791.050
Ca	43	1	He	149431.2838	3.3	676657.290
Ca	44	1	He	149529.2621	2.5	11340125.817
Ti	47	1	He	21.195728	4.3	10305.603
V	51	1	He	23.380520	4.2	267249.687
Cr	52	1	He	22.389973	3.1	308343.657
Mn	55	1	He	52.092707	3.9	541856.497
Fe	56	1	He	443.376810	2.7	5589043.167
Co	59	1	He	22.829077	2.9	449576.217
Ni	60	1	He	22.351434	2.5	108538.717
Cu	63	1	He	22.792759	2.2	283405.543
Zn	66	1	He	22.099156	3.2	56769.383
As	75	1	He	22.867890	3.0	48200.080
Se	78	2	H2	23.360119	0.5	24234.803
Sr	88	1	He	737.316560	2.8	13055511.057
Mo	95	1	He	256.536699	2.4	1990762.000
Pd	105	1	He	4.188527	3.0	47382.020
Ag	107	1	He	9.430156	5.6	213200.120
Cd	111	1	He	21.353720	4.1	91540.533
Sn	118	1	He	21.746852	3.1	244946.423
Sb	121	1	He	21.249044	3.9	312112.523
Ba	138	1	He	29.566512	3.5	1106828.450
Pt	195	1	He	4.253062	3.1	59325.947
Hg	202	1	He	0.062010	19.8	510.020
Tl	205	1	He	21.918107	3.1	1116289.203
Pb	206	1	He	21.767127	3.5	376323.067
Pb	207	1	He	21.830933	3.8	315984.877
Pb	208	1	He	21.661674	3.2	1477909.467
Bi	209	1	He	22.154309	3.0	1189896.807
Th	232	1	He	22.441970	3.8	1694217.840
U	238	1	He	22.361637	4.0	1726545.080

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.03113035	984604.750
Sc	45	2	H2	88.09185977	5904067.667
Ge	72	1	He	87.61286988	593263.063
Ge	72	2	H2	88.31370394	1601881.210
In	115	1	He	87.90092234	6407444.093
Tb	159	1	He	92.71152781	15012053.940
Ir	193	1	He	90.64008403	7085536.560

Sample Name	4323173_B70212Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	068SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:15:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	24.326069	3.0	16614.627
Be	9	2	H2	22.377093	3.6	12996.810
B	11	2	H2	25.656778	5.3	18286.007
Na	23	1	He	23691.43772	1.0	42752712.693
Mg	24	1	He	4263.984739	0.9	4275870.353
Al	27	1	He	465.852678	1.7	253038.773
Si	28	2	H2	520.629403	5.3	2065216.207
K	39	1	He	8956.972010	1.0	13488061.050
Ca	43	1	He	151634.3807	1.2	694886.040
Ca	44	1	He	151150.1886	1.2	11599435.667
Ti	47	1	He	21.003121	0.6	10336.280
V	51	1	He	23.860092	1.3	276055.413
Cr	52	1	He	22.929468	0.8	319542.717
Mn	55	1	He	53.094880	1.8	558958.710
Fe	56	1	He	451.073639	0.9	5753809.167
Co	59	1	He	23.436388	1.1	462882.200
Ni	60	1	He	23.403449	0.6	113918.040
Cu	63	1	He	23.638698	1.2	294728.113
Zn	66	1	He	22.617150	1.4	58272.063
As	75	1	He	23.570097	1.4	49815.453
Se	78	2	H2	24.363875	1.4	24669.053
Sr	88	1	He	756.144610	1.2	13482811.467
Mo	95	1	He	261.515475	0.2	2035361.270
Pd	105	1	He	4.331726	4.1	49323.990
Ag	107	1	He	9.976525	5.3	227044.760
Cd	111	1	He	21.947188	2.1	94754.413
Sn	118	1	He	22.198796	1.6	251792.837
Sb	121	1	He	21.759675	2.3	321893.587
Ba	138	1	He	30.470332	2.6	1139509.513
Pt	195	1	He	4.422595	1.2	61634.463
Hg	202	1	He	0.071993	17.9	580.027
Tl	205	1	He	22.520246	3.4	1145569.750
Pb	206	1	He	22.397932	2.6	386838.927
Pb	207	1	He	22.394251	1.9	323820.087
Pb	208	1	He	22.347131	2.1	1523132.440
Bi	209	1	He	22.872403	2.4	1227152.457
Th	232	1	He	23.256778	1.2	1739615.340
U	238	1	He	23.107527	1.8	1767847.683

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.06382157	995898.540
Sc	45	2	H2	85.28946463	5716246.333
Ge	72	1	He	87.83253397	594750.500
Ge	72	2	H2	86.20558146	1563642.957
In	115	1	He	88.49086392	6450447.257
Tb	159	1	He	92.60142608	14994226.027
Ir	193	1	He	89.75957891	7016705.520

Sample Name	10608163001_B70212Dx50
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	069SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:18:59
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.220128	5.7	232.167
Be	9	2	H2	0.013347	17.6	14.833
B	11	2	H2	2.864862	19.3	4880.733
Na	23	1	He	2125.949983	1.0	4024412.230
Mg	24	1	He	346.757944	1.0	366495.853
Al	27	1	He	2.983777	2.2	1936.107
Si	28	2	H2	36.688601	4.4	173482.287
K	39	1	He	779.081512	0.6	1342089.457
Ca	43	1	He	13493.51302	0.7	64622.023
Ca	44	1	He	13831.59678	1.0	1109274.503
Ti	47	1	He	0.026311	74.9	16.667
V	51	1	He	0.134059	8.3	-103.860
Cr	52	1	He	0.045819	15.8	1219.380
Mn	55	1	He	2.710492	1.0	30695.240
Fe	56	1	He	0.304939	4.1	20990.827
Co	59	1	He	0.001817	119.8	139.337
Ni	60	1	He	-0.090236		389.343
Cu	63	1	He	0.061414	3.9	1122.043
Zn	66	1	He	0.033181	35.8	310.670
As	75	1	He	0.045759	17.8	366.167
Se	78	2	H2	0.065961	19.6	90.000
Sr	88	1	He	63.431389	1.7	1225316.493
Mo	95	1	He	21.014838	0.3	173350.397
Pd	105	1	He	0.014459	12.4	213.340
Ag	107	1	He	0.125987	16.2	3987.173
Cd	111	1	He	0.003875	28.5	21.330
Sn	118	1	He	0.103222	2.2	1440.077
Sb	121	1	He	0.007221	33.8	210.000
Ba	138	1	He	0.753133	0.7	29841.453
Pt	195	1	He	0.002653	53.1	130.000
Hg	202	1	He	0.011978	5.5	166.670
Tl	205	1	He	0.001469	103.0	846.700
Pb	206	1	He	0.003789	25.0	165.000
Pb	207	1	He	0.007186	44.1	1085.047
Pb	208	1	He	0.005131	8.5	1650.057
Bi	209	1	He	-0.000052		1600.120
Th	232	1	He	0.007078	2.1	628.353
U	238	1	He	0.098386	2.5	8218.900

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.14883929	1040573.397
Sc	45	2	H2	95.06229199	6371238.000
Ge	72	1	He	93.07954546	630280.190
Ge	72	2	H2	94.22529382	1709108.790
In	115	1	He	95.84764336	6986711.857
Tb	159	1	He	97.58668301	15801449.763
Ir	193	1	He	96.93944185	7577971.343

Sample Name	4323885_B70212Dx50
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	070SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:22:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	95.868551	4.7	70267.520
Be	9	2	H2	95.144125	3.6	59418.927
B	11	2	H2	97.759286	3.5	66967.023
Na	23	1	He	4659.208065	1.3	8486770.080
Mg	24	1	He	2708.310408	0.7	2738335.063
Al	27	1	He	2300.463292	1.5	1258401.710
Si	28	2	H2	1211.371444	3.9	5151756.333
K	39	1	He	3164.008069	1.7	4881071.387
Ca	43	1	He	17548.00136	2.0	81049.527
Ca	44	1	He	17465.92980	2.0	1350930.673
Ti	47	1	He	91.648574	2.0	45444.393
V	51	1	He	96.429764	2.3	1129397.860
Cr	52	1	He	96.748622	1.7	1357044.167
Mn	55	1	He	100.139651	1.2	1061684.670
Fe	56	1	He	1182.094353	1.3	15169681.000
Co	59	1	He	98.487634	0.8	2022635.667
Ni	60	1	He	97.999431	0.7	493421.613
Cu	63	1	He	99.756192	0.9	1292503.373
Zn	66	1	He	95.653061	0.5	255617.933
As	75	1	He	94.070959	0.5	206000.500
Se	78	2	H2	94.959126	0.8	101752.210
Sr	88	1	He	161.170790	0.6	2976818.500
Mo	95	1	He	121.339514	1.4	982105.767
Pd	105	1	He	94.742861	1.4	1116900.843
Ag	107	1	He	43.794581	2.7	1029760.893
Cd	111	1	He	94.172858	0.4	421153.447
Sn	118	1	He	93.555712	1.2	1098672.613
Sb	121	1	He	90.321173	1.1	1383819.147
Ba	138	1	He	93.913411	1.2	3628029.010
Pt	195	1	He	95.525453	1.6	1373261.853
Hg	202	1	He	0.015190	22.4	186.673
Tl	205	1	He	48.151344	1.6	2529849.860
Pb	206	1	He	97.163077	1.7	1733342.683
Pb	207	1	He	98.292752	2.1	1464977.370
Pb	208	1	He	96.935563	1.6	6821022.187
Bi	209	1	He	95.642569	1.5	5296107.840
Th	232	1	He	90.922658	2.3	7170888.017
U	238	1	He	93.887350	1.5	7574530.930

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.77625582	1003689.913
Sc	45	2	H2	91.74513335	6148916.333
Ge	72	1	He	91.34560495	618538.960
Ge	72	2	H2	91.26930353	1655491.457
In	115	1	He	91.65104528	6680805.310
Tb	159	1	He	95.64958242	15487790.187
Ir	193	1	He	94.65263744	7399206.767

Sample Name	4323886_B70212Dx250
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	071SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:26:08
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.100826	8.7	141.833
Be	9	2	H2	0.025060	30.8	22.333
B	11	2	H2	2.852268	19.2	4867.390
Na	23	1	He	450.570267	0.4	858931.577
Mg	24	1	He	72.856972	2.6	79020.683
Al	27	1	He	1.638289	3.0	1163.040
Si	28	2	H2	7.633667	7.3	45637.120
K	39	1	He	169.861205	0.9	388744.863
Ca	43	1	He	2800.800749	0.5	13305.167
Ca	44	1	He	2881.550541	0.5	229238.633
Ti	47	1	He	0.030478	48.8	18.667
V	51	1	He	0.036388	156.6	-1280.117
Cr	52	1	He	0.040229	5.9	1128.040
Mn	55	1	He	0.529020	0.9	6677.920
Fe	56	1	He	0.249459	6.7	20077.807
Co	59	1	He	0.001248	83.5	126.667
Ni	60	1	He	-0.067898		501.343
Cu	63	1	He	0.032103	7.7	732.020
Zn	66	1	He	-0.007843		198.000
As	75	1	He	-0.000308		262.333
Se	78	2	H2	0.023229	45.8	42.667
Sr	88	1	He	13.195668	0.4	254389.423
Mo	95	1	He	4.356522	3.4	35798.363
Pd	105	1	He	0.008001	51.6	133.333
Ag	107	1	He	0.191540	11.3	5582.620
Cd	111	1	He	0.003803	139.4	20.923
Sn	118	1	He	0.114981	2.5	1580.093
Sb	121	1	He	0.006852	37.3	203.333
Ba	138	1	He	0.148312	8.3	6029.480
Pt	195	1	He	0.010069	34.4	240.007
Hg	202	1	He	0.004700	108.3	113.333
Tl	205	1	He	0.047576	25.4	3333.720
Pb	206	1	He	0.010413	4.0	286.677
Pb	207	1	He	0.010145	23.2	1135.053
Pb	208	1	He	0.008080	15.6	1870.077
Bi	209	1	He	0.007295	27.4	2023.510
Th	232	1	He	0.008245	1.8	716.690
U	238	1	He	0.024333	3.4	2081.827

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.32334821	1031545.603
Sc	45	2	H2	94.96063091	6364424.500
Ge	72	1	He	92.68751708	627625.603
Ge	72	2	H2	94.14309553	1707617.833
In	115	1	He	95.58332452	6967444.617
Tb	159	1	He	98.00006569	15868385.593
Ir	193	1	He	96.12660518	7514430.097

Sample Name	10608162001_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	072SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:29:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.310496	2.0	1047.530
Be	9	2	H2	0.015762	42.3	16.167
B	11	2	H2	8.854129	4.7	8842.267
Na	23	1	He	15395.59381	4.3	27700463.757
Mg	24	1	He	518.213324	4.3	520897.453
Al	27	1	He	7.923198	6.5	4517.557
Si	28	2	H2	541.725788	4.3	2367177.667
K	39	1	He	5406.449465	4.0	8164661.753
Ca	43	1	He	20516.12137	3.5	93750.247
Ca	44	1	He	20753.70153	4.3	1587780.393
Ti	47	1	He	0.075203	39.2	40.000
V	51	1	He	0.186346	19.9	503.090
Cr	52	1	He	0.633706	3.5	9319.083
Mn	55	1	He	4.178270	3.9	44668.190
Fe	56	1	He	8.970980	4.4	129924.157
Co	59	1	He	0.005376	30.8	206.000
Ni	60	1	He	0.072842	13.8	1175.373
Cu	63	1	He	0.149831	11.4	2194.140
Zn	66	1	He	1.082241	3.5	3038.267
As	75	1	He	0.084353	12.8	434.010
Se	78	2	H2	0.135292	8.3	166.333
Sr	88	1	He	95.042291	4.8	1767757.313
Mo	95	1	He	38.879373	4.9	307734.547
Pd	105	1	He	0.017927	28.7	246.677
Ag	107	1	He	0.072845	7.7	2590.223
Cd	111	1	He	0.015483	35.0	72.680
Sn	118	1	He	0.033265	2.2	560.020
Sb	121	1	He	0.021795	9.0	426.677
Ba	138	1	He	1.061567	3.5	40999.827
Pt	195	1	He	0.009346	9.1	223.343
Hg	202	1	He	0.021339	12.4	230.010
Tl	205	1	He	0.013106	33.2	1431.750
Pb	206	1	He	0.010882	12.5	286.677
Pb	207	1	He	0.010419	12.4	1108.383
Pb	208	1	He	0.010285	19.5	1971.743
Bi	209	1	He	0.005326	5.3	1860.143
Th	232	1	He	0.005369	22.4	473.347
U	238	1	He	0.126487	4.8	10190.063

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.87672853	993852.440
Sc	45	2	H2	93.99992241	6300036.167
Ge	72	1	He	89.44987501	605702.187
Ge	72	2	H2	94.05195660	1705964.707
In	115	1	He	92.41545794	6736526.357
Tb	159	1	He	95.35721978	15440450.187
Ir	193	1	He	93.82158241	7334241.350

Sample Name	10608162001_B70212Dx50
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	073SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:33:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.081877	30.2	127.167
Be	9	2	H2	0.010786	52.6	13.000
B	11	2	H2	3.267178	25.0	5114.140
Na	23	1	He	313.724542	0.9	600951.750
Mg	24	1	He	10.748886	6.1	14500.770
Al	27	1	He	1.289622	2.4	963.363
Si	28	2	H2	11.023198	5.9	60269.333
K	39	1	He	114.487500	2.1	302009.003
Ca	43	1	He	409.041584	1.8	1944.457
Ca	44	1	He	414.179350	1.1	32978.980
Ti	47	1	He	0.013537	50.4	10.000
V	51	1	He	-0.008121		-1809.640
Cr	52	1	He	0.016226	37.6	779.353
Mn	55	1	He	0.019976	10.2	1131.373
Fe	56	1	He	0.211629	14.4	19504.520
Co	59	1	He	-0.002641		45.333
Ni	60	1	He	-0.103179		319.337
Cu	63	1	He	0.027164	29.8	662.680
Zn	66	1	He	0.167831	15.5	669.350
As	75	1	He	-0.009733		239.833
Se	78	2	H2	0.005555	16.1	23.000
Sr	88	1	He	1.845578	1.5	35537.643
Mo	95	1	He	0.736348	5.2	6027.767
Pd	105	1	He	0.003965	51.3	83.333
Ag	107	1	He	0.010300	49.3	1135.050
Cd	111	1	He	0.001082	97.2	8.190
Sn	118	1	He	0.098874	5.1	1373.400
Sb	121	1	He	0.001784	103.1	121.667
Ba	138	1	He	0.021725	28.9	1013.373
Pt	195	1	He	0.003555	97.5	143.337
Hg	202	1	He	0.008364	98.6	140.003
Tl	205	1	He	-0.004472		528.347
Pb	206	1	He	0.003314	106.7	156.667
Pb	207	1	He	0.001084	123.0	993.377
Pb	208	1	He	0.002486	17.7	1461.720
Bi	209	1	He	0.003986	32.8	1830.143
Th	232	1	He	0.001690	28.7	191.667
U	238	1	He	0.002964	34.4	331.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.96908940	1027671.333
Sc	45	2	H2	94.55887556	6337498.167
Ge	72	1	He	92.04455394	623271.833
Ge	72	2	H2	93.59471901	1697671.087
In	115	1	He	94.95442524	6921601.673
Tb	159	1	He	97.68402400	15817211.430
Ir	193	1	He	96.31483006	7529144.053

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	074_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:36:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.541200	5.1	60012.863
Be	9	2	H2	82.028254	3.7	50807.167
B	11	2	H2	83.458410	1.6	57094.070
Na	23	1	He	2055.767761	0.5	3737975.257
Mg	24	1	He	2043.366213	0.7	2058018.980
Al	27	1	He	2017.006412	0.6	1098712.210
Si	28	2	H2	1025.393956	4.5	4326676.250
K	39	1	He	2026.014831	0.7	3156296.310
Ca	43	1	He	2024.743827	1.0	9321.160
Ca	44	1	He	1996.712920	1.2	153941.290
Ti	47	1	He	77.672734	1.3	38351.500
V	51	1	He	81.922477	0.7	955227.493
Cr	52	1	He	83.329203	1.1	1163954.337
Mn	55	1	He	83.949033	1.1	886388.627
Fe	56	1	He	1041.279076	0.7	13307942.333
Co	59	1	He	83.545565	1.3	1707489.960
Ni	60	1	He	84.563887	0.3	423852.847
Cu	63	1	He	86.169089	0.3	1111196.333
Zn	66	1	He	81.792866	0.5	217548.493
As	75	1	He	79.101140	0.5	172424.413
Se	78	2	H2	80.149159	1.3	85102.007
Sr	88	1	He	76.726761	0.5	1417334.510
Mo	95	1	He	82.861463	1.0	667451.267
Pd	105	1	He	80.175909	1.0	945196.160
Ag	107	1	He	40.410662	3.6	950208.527
Cd	111	1	He	79.171090	0.3	354074.177
Sn	118	1	He	79.419891	1.8	932683.393
Sb	121	1	He	75.734555	1.7	1160330.867
Ba	138	1	He	80.022497	0.5	3059782.350
Pt	195	1	He	80.920434	1.5	1151435.480
Hg	202	1	He	3.618094	3.6	26038.217
Tl	205	1	He	40.489190	0.5	2105548.563
Pb	206	1	He	83.210459	1.5	1469278.623
Pb	207	1	He	86.435427	0.7	1275208.863
Pb	208	1	He	84.168187	0.9	5862191.713
Bi	209	1	He	85.813043	0.2	4703294.200
Th	232	1	He	79.853351	0.9	6288478.240
U	238	1	He	77.514678	0.5	6243888.867

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.38342353	999393.793
Sc	45	2	H2	91.00215527	6099120.667
Ge	72	1	He	90.90682366	615567.790
Ge	72	2	H2	90.44525223	1640544.373
In	115	1	He	91.65441478	6681050.927
Tb	159	1	He	94.66344263	15328112.270
Ir	193	1	He	94.49544439	7386918.637

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	075_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:40:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.062608	26.9	112.000
Be	9	2	H2	0.019707	33.9	18.667
B	11	2	H2	2.498292	28.4	4590.650
Na	23	1	He	11.679002	3.4	38357.877
Mg	24	1	He	-2.423970		873.360
Al	27	1	He	0.236648	16.9	370.337
Si	28	2	H2	-0.194803		11153.487
K	39	1	He	6.676231	20.9	134765.120
Ca	43	1	He	0.481724	175.1	12.343
Ca	44	1	He	0.341445	124.2	203.480
Ti	47	1	He	0.004452	104.1	5.333
V	51	1	He	-0.019436		-1929.720
Cr	52	1	He	0.000291	1401.5	545.343
Mn	55	1	He	-0.062373		236.000
Fe	56	1	He	-0.139467		14762.707
Co	59	1	He	0.001891	60.5	139.333
Ni	60	1	He	-0.116550		252.000
Cu	63	1	He	0.024912	7.9	634.010
Zn	66	1	He	0.000720	2137.6	220.000
As	75	1	He	-0.000205		261.167
Se	78	2	H2	0.011591	26.2	29.667
Sr	88	1	He	0.004191	61.3	303.340
Mo	95	1	He	0.012071	12.5	121.667
Pd	105	1	He	0.010768	71.5	166.670
Ag	107	1	He	0.197970	14.4	5702.667
Cd	111	1	He	0.007222	52.0	36.630
Sn	118	1	He	0.015976	11.4	365.010
Sb	121	1	He	0.007045	58.7	205.000
Ba	138	1	He	0.009647	13.6	535.013
Pt	195	1	He	0.006765	43.8	190.007
Hg	202	1	He	0.028303	47.5	286.680
Tl	205	1	He	0.045542	18.4	3202.027
Pb	206	1	He	0.007658	56.9	235.007
Pb	207	1	He	0.014818	34.8	1198.393
Pb	208	1	He	0.009137	10.6	1933.410
Bi	209	1	He	0.005042	35.9	1883.480
Th	232	1	He	0.009005	7.6	783.360
U	238	1	He	0.004899	12.9	493.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.12810735	1018474.127
Sc	45	2	H2	94.22453866	6315090.333
Ge	72	1	He	92.16668499	624098.833
Ge	72	2	H2	93.76817550	1700817.333
In	115	1	He	94.89718010	6917428.850
Tb	159	1	He	97.36571013	15765669.350
Ir	193	1	He	96.83854019	7570083.637

Sample Name	CRDL
Sample Type	CRDL
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	076CRD.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:44:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.549126	9.5	474.510
Be	9	2	H2	0.213603	6.6	142.000
B	11	2	H2	12.998262	5.0	11590.473
Na	23	1	He	62.711752	0.8	131972.330
Mg	24	1	He	30.208708	3.4	34179.933
Al	27	1	He	31.237893	0.6	17504.900
Si	28	2	H2	103.584691	7.2	460560.270
K	39	1	He	112.279630	2.1	294729.517
Ca	43	1	He	97.628094	0.8	465.747
Ca	44	1	He	107.240868	3.6	8556.843
Ti	47	1	He	0.967814	6.4	488.010
V	51	1	He	0.856795	1.0	8467.677
Cr	52	1	He	2.081487	1.0	30035.470
Mn	55	1	He	0.477194	2.2	6011.683
Fe	56	1	He	53.231257	1.2	706136.543
Co	59	1	He	0.537106	0.8	11231.537
Ni	60	1	He	0.429009	1.5	3019.600
Cu	63	1	He	1.089966	0.9	14557.250
Zn	66	1	He	5.048345	2.0	13820.687
As	75	1	He	0.500013	2.1	1365.217
Se	78	2	H2	0.503764	1.2	570.010
Sr	88	1	He	0.477045	2.4	9290.873
Mo	95	1	He	0.512494	6.6	4208.887
Pd	105	1	He	0.484168	3.4	5911.120
Ag	107	1	He	0.504686	4.8	13081.717
Cd	111	1	He	0.076538	28.8	355.413
Sn	118	1	He	0.472580	3.8	5882.723
Sb	121	1	He	0.500031	4.9	7976.943
Ba	138	1	He	0.308277	1.4	12299.590
Pt	195	1	He	0.479880	5.5	7125.063
Hg	202	1	He	0.136399	10.6	1086.730
Tl	205	1	He	0.094361	4.1	5821.113
Pb	206	1	He	0.516444	2.9	9491.223
Pb	207	1	He	0.516667	2.5	8822.517
Pb	208	1	He	0.508593	0.6	37770.690
Bi	209	1	He	0.508282	4.0	30292.370
Th	232	1	He	0.489148	1.2	39604.980
U	238	1	He	0.478028	1.7	39620.090

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.75072396	1014346.960
Sc	45	2	H2	93.63748765	6275745.167
Ge	72	1	He	92.18309613	624209.960
Ge	72	2	H2	93.51972214	1696310.753
In	115	1	He	94.34583172	6877238.897
Tb	159	1	He	97.53402399	15792923.100
Ir	193	1	He	97.02415068	7584593.220

Sample Name	4310637_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	077SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:47:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.037922	24.5	93.167
Be	9	2	H2	0.011329	19.2	13.333
B	11	2	H2	5.163907	16.4	6384.563
Na	23	1	He	13.729709	9.9	40849.807
Mg	24	1	He	0.381478	84.4	3630.393
Al	27	1	He	5.539906	8.3	3209.947
Si	28	2	H2	4.003469	8.5	29420.073
K	39	1	He	9.080172	80.6	134091.703
Ca	43	1	He	11.794392	6.7	63.407
Ca	44	1	He	10.987602	6.9	1007.293
Ti	47	1	He	0.042734	29.1	24.000
V	51	1	He	-0.030353		-1995.950
Cr	52	1	He	0.105294	6.3	1978.117
Mn	55	1	He	-0.032217		543.343
Fe	56	1	He	1.307680	12.6	32553.880
Co	59	1	He	-0.000022		94.667
Ni	60	1	He	-0.110513		272.000
Cu	63	1	He	0.064270	16.5	1098.703
Zn	66	1	He	0.693480	9.1	1998.783
As	75	1	He	-0.002674		245.167
Se	78	2	H2	0.003524	125.4	20.667
Sr	88	1	He	0.020280	35.2	588.350
Mo	95	1	He	0.005044	8.6	61.667
Pd	105	1	He	0.003326	52.7	73.333
Ag	107	1	He	0.031828	31.0	1596.757
Cd	111	1	He	0.003028	18.1	16.647
Sn	118	1	He	0.029230	22.1	506.680
Sb	121	1	He	0.005599	32.5	176.667
Ba	138	1	He	0.019076	4.9	873.363
Pt	195	1	He	0.008230	52.6	203.340
Hg	202	1	He	0.014801	53.4	180.007
Tl	205	1	He	0.001753	111.9	826.697
Pb	206	1	He	0.010847	36.8	280.007
Pb	207	1	He	0.007891	90.0	1051.717
Pb	208	1	He	0.008430	42.2	1808.400
Bi	209	1	He	0.004884	51.4	1806.807
Th	232	1	He	0.002199	6.7	230.000
U	238	1	He	0.001254	20.0	188.337

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.48744834	989595.167
Sc	45	2	H2	94.10807143	6307284.500
Ge	72	1	He	88.57698108	599791.460
Ge	72	2	H2	93.21078484	1690707.083
In	115	1	He	91.88656478	6697973.253
Tb	159	1	He	93.99815401	15220387.277
Ir	193	1	He	95.02626493	7428414.057

Sample Name	4310638_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	078SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:51:15
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	108.770799	5.6	78787.307
Be	9	2	H2	109.541624	4.5	67609.143
B	11	2	H2	115.230789	5.5	77504.417
Na	23	1	He	2195.310751	0.3	3947553.900
Mg	24	1	He	2171.655438	0.8	2163424.967
Al	27	1	He	2142.016060	0.1	1154222.917
Si	28	2	H2	549.666075	5.8	2316668.167
K	39	1	He	2176.273922	0.2	3344869.013
Ca	43	1	He	2153.409818	1.5	9806.393
Ca	44	1	He	2109.012210	0.5	160840.397
Ti	47	1	He	100.055741	0.7	48869.850
V	51	1	He	106.738129	1.0	1231647.013
Cr	52	1	He	109.612747	0.8	1514431.210
Mn	55	1	He	109.665153	0.3	1145183.330
Fe	56	1	He	2211.169986	0.9	27936992.667
Co	59	1	He	111.342549	0.3	2268553.000
Ni	60	1	He	112.217518	0.4	560417.127
Cu	63	1	He	111.311101	0.9	1430730.003
Zn	66	1	He	108.700868	0.2	288138.533
As	75	1	He	102.899118	0.6	223515.483
Se	78	2	H2	105.971260	0.8	112358.757
Sr	88	1	He	102.152309	0.4	1860707.523
Mo	95	1	He	106.713433	0.4	856914.310
Pd	105	1	He	20.913979	1.4	243155.617
Ag	107	1	He	52.287520	3.3	1212145.997
Cd	111	1	He	105.976926	1.5	467363.723
Sn	118	1	He	101.065083	1.1	1170365.140
Sb	121	1	He	98.801740	0.5	1492720.913
Ba	138	1	He	104.296769	0.9	4000705.987
Pt	195	1	He	21.109960	1.0	301415.753
Hg	202	1	He	0.015379	36.4	186.673
Tl	205	1	He	110.280391	0.4	5752171.997
Pb	206	1	He	110.669164	0.7	1960361.583
Pb	207	1	He	110.571989	0.7	1636293.360
Pb	208	1	He	110.259746	0.6	7703804.153
Bi	209	1	He	110.783819	0.9	6091049.280
Th	232	1	He	108.322524	1.9	8543089.870
U	238	1	He	103.358933	2.3	8337645.500

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.39659225	988601.540
Sc	45	2	H2	90.65878149	6076107.167
Ge	72	1	He	90.61919346	613620.127
Ge	72	2	H2	90.31069543	1638103.710
In	115	1	He	90.38140946	6588256.560
Tb	159	1	He	94.97205279	15378083.103
Ir	193	1	He	94.65334895	7399262.387

Sample Name	10606561001_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	079SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:54:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.064451	32.6	114.833
Be	9	2	H2	0.023822	31.5	21.667
B	11	2	H2	4.190235	6.5	5791.027
Na	23	1	He	75.677255	1.0	156952.803
Mg	24	1	He	1.976362	9.1	5400.837
Al	27	1	He	9.592252	1.5	5581.510
Si	28	2	H2	8.904937	5.4	51385.150
K	39	1	He	9.226216	6.5	139125.600
Ca	43	1	He	23.673465	6.8	121.437
Ca	44	1	He	27.559923	4.2	2347.390
Ti	47	1	He	0.110032	17.6	58.667
V	51	1	He	-0.009588		-1817.990
Cr	52	1	He	0.462787	1.0	7150.093
Mn	55	1	He	0.165165	3.6	2690.880
Fe	56	1	He	6.662931	1.0	103600.790
Co	59	1	He	0.012264	12.7	352.003
Ni	60	1	He	-0.007886		798.687
Cu	63	1	He	0.072661	7.5	1251.380
Zn	66	1	He	1.810338	1.0	5065.397
As	75	1	He	-0.003390		252.667
Se	78	2	H2	0.004251	127.4	21.667
Sr	88	1	He	0.145180	3.9	2986.953
Mo	95	1	He	0.032165	37.6	283.337
Pd	105	1	He	0.001532	111.4	53.333
Ag	107	1	He	0.219843	23.8	6206.207
Cd	111	1	He	0.005077	48.9	26.580
Sn	118	1	He	0.072951	8.3	1053.380
Sb	121	1	He	0.016691	25.5	356.677
Ba	138	1	He	0.135139	3.2	5479.267
Pt	195	1	He	0.011522	35.5	260.010
Hg	202	1	He	0.007061	102.8	130.003
Tl	205	1	He	0.021125	37.2	1898.467
Pb	206	1	He	0.039717	5.0	818.363
Pb	207	1	He	0.041687	6.2	1608.427
Pb	208	1	He	0.040601	7.4	4193.573
Bi	209	1	He	0.008982	57.2	2110.190
Th	232	1	He	0.013295	7.5	1140.057
U	238	1	He	0.004668	12.4	478.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.44058409	1021891.457
Sc	45	2	H2	95.28964368	6386475.500
Ge	72	1	He	91.63366933	620489.563
Ge	72	2	H2	93.91387599	1703460.127
In	115	1	He	94.51515856	6889581.797
Tb	159	1	He	97.51391402	15789666.850
Ir	193	1	He	97.70700195	7637973.220

Sample Name	4312121_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	080SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:58:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	83.379327	6.1	61404.173
Be	9	2	H2	83.334664	5.2	52286.730
B	11	2	H2	84.257246	6.6	58391.737
Na	23	1	He	2156.892313	0.7	3955826.507
Mg	24	1	He	2066.644579	1.2	2099887.157
Al	27	1	He	2058.809696	0.3	1131450.583
Si	28	2	H2	1050.006551	5.9	4487376.417
K	39	1	He	2073.609607	0.4	3256244.223
Ca	43	1	He	2116.256847	1.2	9828.403
Ca	44	1	He	2066.198063	1.2	160709.543
Ti	47	1	He	77.483212	0.4	38597.997
V	51	1	He	84.340651	0.0	992218.080
Cr	52	1	He	86.033214	0.3	1212405.290
Mn	55	1	He	85.182930	0.5	907407.000
Fe	56	1	He	1065.205943	0.6	13734273.333
Co	59	1	He	85.770708	0.8	1776634.333
Ni	60	1	He	86.347957	0.5	438623.623
Cu	63	1	He	87.403181	0.1	1142275.750
Zn	66	1	He	84.556982	0.3	227925.547
As	75	1	He	80.769500	0.2	178431.650
Se	78	2	H2	81.171924	1.8	87792.273
Sr	88	1	He	79.537622	0.4	1480548.000
Mo	95	1	He	81.922371	0.5	668801.763
Pd	105	1	He	81.256337	1.1	965326.707
Ag	107	1	He	42.048700	2.5	996357.120
Cd	111	1	He	82.149009	0.6	370222.167
Sn	118	1	He	78.487863	0.9	928874.593
Sb	121	1	He	76.544587	1.5	1181822.927
Ba	138	1	He	81.520747	1.3	3166161.310
Pt	195	1	He	81.010764	0.4	1170996.990
Hg	202	1	He	0.010929	17.4	156.667
Tl	205	1	He	42.326114	0.7	2235797.833
Pb	206	1	He	84.762279	0.5	1520327.840
Pb	207	1	He	85.538208	0.6	1282000.993
Pb	208	1	He	84.401310	0.2	5971436.807
Bi	209	1	He	84.627889	1.3	4711512.323
Th	232	1	He	79.595280	1.2	6331021.367
U	238	1	He	80.429317	1.8	6543176.570

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.19424051	1008261.107
Sc	45	2	H2	92.16339828	6176949.167
Ge	72	1	He	92.13158942	623861.187
Ge	72	2	H2	92.13235321	1671145.913
In	115	1	He	92.36015905	6732495.403
Tb	159	1	He	96.16282532	15570895.603
Ir	193	1	He	95.45392913	7461845.517

Sample Name	4312122_B69998Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	081SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:02:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.053125	60.8	106.333
Be	9	2	H2	0.022104	53.3	20.500
B	11	2	H2	2.692258	38.9	4780.717
Na	23	1	He	25.423004	1.1	64138.330
Mg	24	1	He	2.560761	6.3	6021.027
Al	27	1	He	3.460231	5.7	2173.797
Si	28	2	H2	2.101679	11.2	21397.077
K	39	1	He	7.071316	33.1	136260.740
Ca	43	1	He	259.102281	1.5	1232.617
Ca	44	1	He	270.337863	2.0	21534.843
Ti	47	1	He	0.034675	53.9	20.667
V	51	1	He	-0.012775		-1864.893
Cr	52	1	He	0.100214	4.5	1980.117
Mn	55	1	He	0.077679	13.8	1752.760
Fe	56	1	He	1.956457	1.1	42309.243
Co	59	1	He	0.004976	25.4	204.667
Ni	60	1	He	-0.092237		378.003
Cu	63	1	He	0.712286	1.6	9687.967
Zn	66	1	He	1.064480	3.3	3108.283
As	75	1	He	-0.001116		261.000
Se	78	2	H2	0.004959	109.8	22.667
Sr	88	1	He	0.862906	4.2	16768.130
Mo	95	1	He	0.016013	14.7	155.000
Pd	105	1	He	0.005310	25.6	100.000
Ag	107	1	He	0.202714	18.1	5827.723
Cd	111	1	He	0.006871	69.5	34.953
Sn	118	1	He	0.024783	2.6	473.343
Sb	121	1	He	0.008906	35.5	235.003
Ba	138	1	He	0.455511	1.7	18179.890
Pt	195	1	He	0.009859	14.1	236.677
Hg	202	1	He	0.010582	46.7	156.670
Tl	205	1	He	0.045429	26.6	3215.370
Pb	206	1	He	0.046554	4.0	946.703
Pb	207	1	He	0.036389	17.8	1535.090
Pb	208	1	He	0.043181	7.5	4398.597
Bi	209	1	He	0.008002	31.3	2063.517
Th	232	1	He	0.008488	11.7	750.027
U	238	1	He	0.004253	9.4	445.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.74916950	1025266.230
Sc	45	2	H2	95.27086369	6385216.833
Ge	72	1	He	92.82993292	628589.960
Ge	72	2	H2	94.88431893	1721062.540
In	115	1	He	95.14872902	6935765.240
Tb	159	1	He	97.95579033	15861216.430
Ir	193	1	He	97.97041343	7658564.680

Sample Name	4310639_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	082SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:05:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	105.263939	6.0	77072.687
Be	9	2	H2	105.461213	5.6	65801.873
B	11	2	H2	108.733739	5.7	74100.463
Na	23	1	He	2219.280453	1.6	4097406.710
Mg	24	1	He	2131.997157	1.0	2180968.823
Al	27	1	He	2097.156642	1.1	1160342.540
Si	28	2	H2	542.651060	6.1	2311761.083
K	39	1	He	2143.779939	1.5	3385082.343
Ca	43	1	He	2144.408687	1.3	10026.780
Ca	44	1	He	2124.986222	0.5	166412.777
Ti	47	1	He	98.501040	1.9	49397.270
V	51	1	He	105.135612	0.9	1245694.590
Cr	52	1	He	108.728168	1.8	1542442.207
Mn	55	1	He	108.175232	0.9	1159929.290
Fe	56	1	He	2170.761590	1.4	28161572.000
Co	59	1	He	110.452526	1.0	2300566.167
Ni	60	1	He	111.031117	0.8	566860.250
Cu	63	1	He	109.409812	0.8	1437677.543
Zn	66	1	He	110.779543	0.1	300192.303
As	75	1	He	102.041802	0.9	226598.503
Se	78	2	H2	101.707400	1.1	109254.647
Sr	88	1	He	101.883694	0.9	1883791.380
Mo	95	1	He	105.476875	1.2	865845.483
Pd	105	1	He	21.136429	1.6	249455.157
Ag	107	1	He	52.064502	2.6	1225357.663
Cd	111	1	He	104.193477	0.5	466446.150
Sn	118	1	He	100.191397	0.5	1177795.507
Sb	121	1	He	97.546659	1.4	1495941.177
Ba	138	1	He	104.330679	1.2	4015311.500
Pt	195	1	He	21.333195	2.2	305591.003
Hg	202	1	He	0.015304	26.9	186.673
Tl	205	1	He	109.118839	1.2	5710374.707
Pb	206	1	He	110.225224	0.6	1959030.907
Pb	207	1	He	110.022573	1.9	1633512.060
Pb	208	1	He	109.625759	1.5	7684781.863
Bi	209	1	He	109.597164	1.6	6045704.493
Th	232	1	He	107.546625	1.8	8477349.667
U	238	1	He	101.975769	0.8	8222229.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.82551119	1015164.853
Sc	45	2	H2	91.66452266	6143513.667
Ge	72	1	He	92.63960784	627301.190
Ge	72	2	H2	91.49453984	1659576.913
In	115	1	He	91.74566143	6687702.253
Tb	159	1	He	95.29044645	15429638.103
Ir	193	1	He	94.58871073	7394209.473

Sample Name	4310640_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	083SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:09:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	105.859008	6.6	78799.987
Be	9	2	H2	105.686410	5.9	67041.430
B	11	2	H2	101.493080	6.9	70520.210
Na	23	1	He	2251.565487	1.5	4139859.937
Mg	24	1	He	2155.452268	0.9	2195941.270
Al	27	1	He	2135.186477	1.3	1176571.293
Si	28	2	H2	539.154585	6.9	2335745.167
K	39	1	He	2176.630070	1.6	3421063.283
Ca	43	1	He	2195.103293	2.2	10221.597
Ca	44	1	He	2155.739797	2.0	168122.230
Ti	47	1	He	100.043610	0.9	49970.147
V	51	1	He	107.460198	2.1	1268066.133
Cr	52	1	He	109.787405	1.4	1551156.337
Mn	55	1	He	109.417065	0.8	1168470.377
Fe	56	1	He	2219.280253	1.3	28674035.333
Co	59	1	He	110.353149	0.6	2325867.750
Ni	60	1	He	111.864391	0.3	577917.187
Cu	63	1	He	110.316275	0.8	1466857.500
Zn	66	1	He	109.171819	0.4	299363.873
As	75	1	He	102.334779	0.8	229954.697
Se	78	2	H2	103.466823	1.2	112869.453
Sr	88	1	He	105.230823	1.4	1922379.033
Mo	95	1	He	107.330777	1.3	891556.757
Pd	105	1	He	21.804029	0.2	254254.990
Ag	107	1	He	53.021594	1.0	1232845.580
Cd	111	1	He	106.732181	0.6	472083.580
Sn	118	1	He	101.433395	0.4	1178112.170
Sb	121	1	He	100.012410	0.4	1515462.217
Ba	138	1	He	106.092995	1.9	4092778.690
Pt	195	1	He	21.618163	1.3	310426.923
Hg	202	1	He	0.009235	45.0	143.333
Tl	205	1	He	109.563136	1.4	5747245.957
Pb	206	1	He	111.061426	1.0	1978566.430
Pb	207	1	He	111.784874	1.4	1663712.267
Pb	208	1	He	110.640022	1.3	7774497.907
Bi	209	1	He	111.177709	0.8	6147694.700
Th	232	1	He	109.560688	1.2	8606636.333
U	238	1	He	104.871807	2.1	8426351.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.44633133	1011018.040
Sc	45	2	H2	93.17275022	6244597.667
Ge	72	1	He	93.74333734	634775.000
Ge	72	2	H2	92.91845840	1685404.710
In	115	1	He	90.64792976	6607684.273
Tb	159	1	He	95.51420361	15465869.353
Ir	193	1	He	94.26684396	7369048.433

Sample Name	10606563001_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	084SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:12:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.088223	14.9	122.000
Be	9	2	H2	0.048921	1.0	34.833
B	11	2	H2	4.133887	12.4	5287.503
Na	23	1	He	219.971330	0.7	401694.540
Mg	24	1	He	7.260407	4.5	10267.940
Al	27	1	He	38.111996	0.3	20334.453
Si	28	2	H2	26.915734	6.4	120181.777
K	39	1	He	15.516144	14.5	140878.807
Ca	43	1	He	40.884163	3.4	191.650
Ca	44	1	He	44.015809	2.1	3452.740
Ti	47	1	He	0.571246	9.2	276.000
V	51	1	He	0.038534	317.0	-1201.643
Cr	52	1	He	0.433839	4.0	6379.807
Mn	55	1	He	0.310126	5.2	4028.463
Fe	56	1	He	13.739158	0.6	185652.973
Co	59	1	He	0.012489	15.7	340.003
Ni	60	1	He	-0.005463		772.020
Cu	63	1	He	0.111339	2.0	1669.420
Zn	66	1	He	1.381654	3.6	3731.070
As	75	1	He	0.014922	67.5	279.000
Se	78	2	H2	0.015092	35.4	31.333
Sr	88	1	He	0.159014	4.5	3081.960
Mo	95	1	He	0.033373	6.8	280.007
Pd	105	1	He	0.002683	138.5	63.333
Ag	107	1	He	0.245747	13.2	6494.643
Cd	111	1	He	0.008431	35.6	39.917
Sn	118	1	He	0.045113	4.3	680.023
Sb	121	1	He	0.015483	7.6	320.010
Ba	138	1	He	0.260050	2.0	9751.257
Pt	195	1	He	0.013947	23.0	276.677
Hg	202	1	He	0.006417	108.0	116.667
Tl	205	1	He	0.030345	31.1	2251.853
Pb	206	1	He	0.091837	11.6	1653.437
Pb	207	1	He	0.078908	12.8	2038.490
Pb	208	1	He	0.090676	2.5	7295.710
Bi	209	1	He	0.010932	39.4	2083.510
Th	232	1	He	0.016006	2.0	1258.393
U	238	1	He	0.007835	16.5	688.357

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.52554938	968139.310
Sc	45	2	H2	87.59603044	5870836.333
Ge	72	1	He	87.24592587	590778.333
Ge	72	2	H2	87.76598404	1591946.373
In	115	1	He	89.67220780	6536560.060
Tb	159	1	He	91.42483474	14803709.777
Ir	193	1	He	90.40350707	7067042.813

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	085_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:16:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	80.217085	5.7	59463.513
Be	9	2	H2	80.308144	5.2	50713.800
B	11	2	H2	81.300899	6.0	56806.660
Na	23	1	He	2003.747340	1.0	3723686.613
Mg	24	1	He	1984.398178	0.9	2042557.783
Al	27	1	He	1960.979712	0.1	1091675.667
Si	28	2	H2	1006.748261	5.2	4331142.083
K	39	1	He	2002.202636	0.4	3189175.580
Ca	43	1	He	1979.088814	0.2	9311.600
Ca	44	1	He	1977.076710	0.3	155780.907
Ti	47	1	He	76.348763	0.2	38525.917
V	51	1	He	80.975300	1.2	964890.650
Cr	52	1	He	81.425563	0.5	1162374.163
Mn	55	1	He	82.810829	0.4	893602.853
Fe	56	1	He	1018.634342	0.9	13304506.333
Co	59	1	He	82.535092	1.0	1719682.960
Ni	60	1	He	82.929940	0.9	423747.510
Cu	63	1	He	85.069290	0.5	1118308.087
Zn	66	1	He	80.504003	0.3	218298.863
As	75	1	He	78.403136	0.6	174230.593
Se	78	2	H2	78.836129	0.7	85896.303
Sr	88	1	He	75.310913	0.1	1407854.877
Mo	95	1	He	81.122862	0.5	666212.597
Pd	105	1	He	78.960878	1.1	942072.953
Ag	107	1	He	40.020426	2.8	952421.183
Cd	111	1	He	79.093116	1.0	357969.040
Sn	118	1	He	78.394640	0.6	931717.953
Sb	121	1	He	75.122114	0.5	1164785.007
Ba	138	1	He	79.112568	0.6	3058296.307
Pt	195	1	He	79.279926	1.0	1140487.743
Hg	202	1	He	3.579725	0.4	26044.870
Tl	205	1	He	39.805137	1.1	2092745.803
Pb	206	1	He	80.847306	1.6	1443236.437
Pb	207	1	He	83.770895	1.5	1249511.803
Pb	208	1	He	81.457318	0.7	5735800.590
Bi	209	1	He	83.753781	0.6	4640981.283
Th	232	1	He	79.284366	0.0	6203869.490
U	238	1	He	77.121252	0.9	6172374.700

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.38960541	1021333.940
Sc	45	2	H2	92.75586047	6216657.000
Ge	72	1	He	92.67513660	627541.770
Ge	72	2	H2	92.79276836	1683124.877
In	115	1	He	92.75293760	6761126.577
Tb	159	1	He	95.70531906	15496815.187
Ir	193	1	He	93.89292063	7339818.017

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	086_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:19:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.067492	20.0	116.833
Be	9	2	H2	0.027795	11.3	24.167
B	11	2	H2	1.965688	33.6	4273.907
Na	23	1	He	6.964150	2.5	30196.257
Mg	24	1	He	-2.621402		683.353
Al	27	1	He	0.451970	12.2	498.677
Si	28	2	H2	-0.222689		11139.447
K	39	1	He	5.819478	25.0	135870.213
Ca	43	1	He	0.515571	40.7	12.717
Ca	44	1	He	0.595848	84.2	227.430
Ti	47	1	He	0.001654	236.8	4.000
V	51	1	He	-0.011026		-1862.120
Cr	52	1	He	-0.001546		528.677
Mn	55	1	He	-0.064282		219.333
Fe	56	1	He	-0.146605		14935.523
Co	59	1	He	0.002383	72.7	151.333
Ni	60	1	He	-0.121335		230.667
Cu	63	1	He	0.013545	30.3	491.343
Zn	66	1	He	0.030234	14.1	303.333
As	75	1	He	-0.014785		231.833
Se	78	2	H2	0.015354	26.2	34.333
Sr	88	1	He	0.002051	44.3	265.003
Mo	95	1	He	0.006252	44.8	75.000
Pd	105	1	He	0.006600	67.4	116.670
Ag	107	1	He	0.213317	15.5	6137.810
Cd	111	1	He	0.005367	57.3	28.310
Sn	118	1	He	0.012955	28.8	331.677
Sb	121	1	He	0.009813	52.5	251.670
Ba	138	1	He	0.004615	23.4	340.010
Pt	195	1	He	0.005966	48.2	180.003
Hg	202	1	He	0.023470	31.3	253.343
Tl	205	1	He	0.043380	27.2	3110.347
Pb	206	1	He	0.006473	23.3	215.000
Pb	207	1	He	0.005961	12.0	1073.380
Pb	208	1	He	0.006834	13.9	1783.393
Bi	209	1	He	0.005873	20.9	1946.817
Th	232	1	He	0.008783	7.0	778.363
U	238	1	He	0.003787	4.2	408.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.80910767	1036858.000
Sc	45	2	H2	95.18848741	6379695.833
Ge	72	1	He	93.31690010	631887.417
Ge	72	2	H2	95.10042661	1724982.417
In	115	1	He	95.89027128	6989819.173
Tb	159	1	He	98.20674417	15901851.427
Ir	193	1	He	98.49383036	7699481.343

Sample Name	4310659_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	087SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:23:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.072678	0.8	121.000
Be	9	2	H2	0.017605	33.7	17.667
B	11	2	H2	1.616242	34.7	4047.177
Na	23	1	He	8.043274	3.9	31206.250
Mg	24	1	He	0.859610	19.9	4183.837
Al	27	1	He	8.252276	3.8	4752.617
Si	28	2	H2	0.356735	50.1	13730.663
K	39	1	He	8.525755	28.6	135628.143
Ca	43	1	He	8.379837	20.3	48.523
Ca	44	1	He	8.943846	15.9	864.563
Ti	47	1	He	0.014137	103.1	10.000
V	51	1	He	-0.131087		-3203.523
Cr	52	1	He	0.038881	4.8	1080.037
Mn	55	1	He	-0.031617		558.010
Fe	56	1	He	0.242514	21.3	19447.780
Co	59	1	He	0.003628	21.0	170.667
Ni	60	1	He	-0.110583		275.333
Cu	63	1	He	0.258118	0.9	3591.040
Zn	66	1	He	0.495991	4.1	1516.740
As	75	1	He	0.012652	41.0	282.167
Se	78	2	H2	0.012087	24.8	30.667
Sr	88	1	He	0.017338	7.4	550.017
Mo	95	1	He	0.006388	53.3	73.333
Pd	105	1	He	0.008443	43.9	136.670
Ag	107	1	He	0.107742	22.4	3467.053
Cd	111	1	He	0.002616	76.6	14.980
Sn	118	1	He	1.505057	1.0	18323.223
Sb	121	1	He	0.002887	174.8	136.670
Ba	138	1	He	0.091568	8.9	3703.777
Pt	195	1	He	0.002863	165.6	130.003
Hg	202	1	He	0.017032	27.8	200.007
Tl	205	1	He	0.008164	40.7	1181.723
Pb	206	1	He	0.015058	26.2	363.343
Pb	207	1	He	0.020143	7.3	1260.063
Pb	208	1	He	0.017051	21.2	2461.770
Bi	209	1	He	0.004183	116.8	1803.470
Th	232	1	He	0.006003	0.8	540.013
U	238	1	He	0.001679	22.8	226.670

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.84770980	1004471.353
Sc	45	2	H2	95.43110529	6395956.500
Ge	72	1	He	89.87525683	608582.623
Ge	72	2	H2	95.14310040	1725756.457
In	115	1	He	94.14695422	6862741.933
Tb	159	1	He	95.88542614	15525978.520
Ir	193	1	He	96.67087624	7556976.973

Sample Name	4310660_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	088SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:27:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	58.874300	3.7	43972.027
Be	9	2	H2	59.529984	3.3	37866.897
B	11	2	H2	62.459474	4.8	44620.637
Na	23	1	He	1162.870434	0.8	2148265.853
Mg	24	1	He	1151.008955	1.6	1175324.750
Al	27	1	He	1134.444297	1.2	625844.187
Si	28	2	H2	301.027392	3.8	1312582.627
K	39	1	He	1154.493819	0.8	1874445.023
Ca	43	1	He	1158.718650	1.6	5405.837
Ca	44	1	He	1131.119714	2.7	88381.823
Ti	47	1	He	53.953284	1.3	26975.917
V	51	1	He	58.808227	1.9	693880.470
Cr	52	1	He	59.026334	1.2	835034.957
Mn	55	1	He	58.432172	1.0	625013.877
Fe	56	1	He	1175.775057	0.5	15213772.000
Co	59	1	He	59.819897	1.2	1245664.543
Ni	60	1	He	59.744842	0.9	305321.617
Cu	63	1	He	60.180076	0.9	790690.563
Zn	66	1	He	56.528367	0.6	153238.383
As	75	1	He	54.587649	0.6	121303.340
Se	78	2	H2	56.044329	0.8	61665.897
Sr	88	1	He	54.929785	2.1	1024284.853
Mo	95	1	He	57.492414	1.0	471813.990
Pd	105	1	He	11.470424	1.4	136527.513
Ag	107	1	He	28.836803	4.6	684720.527
Cd	111	1	He	55.693139	2.0	251417.647
Sn	118	1	He	55.600282	2.2	659164.573
Sb	121	1	He	53.364779	2.6	825337.253
Ba	138	1	He	55.849369	1.4	2180103.667
Pt	195	1	He	11.176157	2.0	162426.083
Hg	202	1	He	3.976645	1.7	29207.080
Tl	205	1	He	57.261872	1.1	3039620.787
Pb	206	1	He	57.474701	2.4	1036049.153
Pb	207	1	He	57.837389	2.8	871422.223
Pb	208	1	He	57.575647	1.9	4094166.500
Bi	209	1	He	58.216805	1.3	3257938.283
Th	232	1	He	56.097507	1.6	4537036.077
U	238	1	He	53.315679	1.2	4410618.477

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.52964950	1011929.230
Sc	45	2	H2	93.44975496	6263163.000
Ge	72	1	He	92.60489673	627066.147
Ge	72	2	H2	93.70556258	1699681.627
In	115	1	He	92.51573821	6743836.180
Tb	159	1	He	96.64021252	15648195.187
Ir	193	1	He	97.04598546	7586300.093

Sample Name	10606560001_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	089SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:30:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.456000	5.5	4152.960
Be	9	2	H2	0.206180	7.6	137.667
B	11	2	H2	2.569183	6.4	4617.330
Na	23	1	He	356.168405	0.7	665773.557
Mg	24	1	He	2897.157373	0.4	2936521.730
Al	27	1	He	5830.970722	0.3	3197616.000
Si	28	2	H2	896.847327	4.9	3905780.500
K	39	1	He	728.400660	0.9	1221456.757
Ca	43	1	He	6160.814364	0.0	28536.920
Ca	44	1	He	6391.867470	0.3	495804.650
Ti	47	1	He	934.455329	0.6	464536.480
V	51	1	He	44.619100	0.6	523071.573
Cr	52	1	He	9.676309	0.5	136564.890
Mn	55	1	He	298.457429	0.7	3170588.667
Fe	56	1	He	14446.49756	0.6	185695925.333
Co	59	1	He	5.854894	0.1	119945.403
Ni	60	1	He	10.881289	0.2	55349.787
Cu	63	1	He	9.564252	0.7	123788.027
Zn	66	1	He	55.467015	0.7	147827.163
As	75	1	He	2.069049	1.0	4769.137
Se	78	2	H2	0.174767	11.7	207.000
Sr	88	1	He	27.558904	1.4	507361.460
Mo	95	1	He	0.220075	9.8	1796.780
Pd	105	1	He	0.034044	6.3	433.350
Ag	107	1	He	0.319712	17.1	8335.447
Cd	111	1	He	0.144419	18.1	646.143
Sn	118	1	He	1.620003	5.1	19115.737
Sb	121	1	He	0.085508	5.2	1395.070
Ba	138	1	He	80.125236	0.6	3128750.683
Pt	195	1	He	0.001814	122.3	116.667
Hg	202	1	He	0.044960	5.6	406.680
Tl	205	1	He	0.078378	5.1	4920.823
Pb	206	1	He	6.537541	2.5	117970.273
Pb	207	1	He	6.631048	1.2	100793.443
Pb	208	1	He	6.565545	1.3	468151.617
Bi	209	1	He	0.086535	10.1	6431.423
Th	232	1	He	4.870870	1.3	389645.320
U	238	1	He	0.787116	0.9	64482.383

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.00939107	1006239.543
Sc	45	2	H2	93.87401048	6291597.333
Ge	72	1	He	91.04634153	616512.523
Ge	72	2	H2	92.73040812	1681993.753
In	115	1	He	91.32487205	6657029.260
Tb	159	1	He	96.67422061	15653701.850
Ir	193	1	He	95.96964938	7502160.513

Sample Name	10606560002_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	090SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:34:18
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.783783	3.1	4492.537
Be	9	2	H2	0.225053	10.1	153.167
B	11	2	H2	2.081117	47.3	4387.277
Na	23	1	He	328.287401	0.4	631685.273
Mg	24	1	He	2851.667966	0.3	2969141.203
Al	27	1	He	6119.110965	0.7	3446874.750
Si	28	2	H2	931.538874	5.2	4144817.917
K	39	1	He	862.072602	1.1	1461552.373
Ca	43	1	He	3006.227017	1.7	14309.067
Ca	44	1	He	3119.221215	1.1	248630.797
Ti	47	1	He	803.031553	0.5	410053.907
V	51	1	He	37.581238	1.2	452297.943
Cr	52	1	He	10.535283	1.3	152674.667
Mn	55	1	He	194.106721	0.7	2118476.833
Fe	56	1	He	13371.93557	0.7	176552250.667
Co	59	1	He	5.560849	1.0	116976.700
Ni	60	1	He	10.340587	2.1	54053.860
Cu	63	1	He	8.322975	1.3	110654.297
Zn	66	1	He	61.088074	2.2	167140.917
As	75	1	He	1.942426	1.9	4613.097
Se	78	2	H2	0.162541	6.0	198.333
Sr	88	1	He	23.462148	2.0	445410.643
Mo	95	1	He	0.190655	6.6	1603.427
Pd	105	1	He	0.036249	15.2	473.350
Ag	107	1	He	0.114684	2.6	3645.423
Cd	111	1	He	0.184832	14.6	852.880
Sn	118	1	He	1.278467	0.7	15592.173
Sb	121	1	He	0.055449	22.5	965.037
Ba	138	1	He	85.505375	1.5	3413314.117
Pt	195	1	He	0.004545	49.4	160.003
Hg	202	1	He	0.024630	21.7	263.343
Tl	205	1	He	0.084603	1.5	5369.290
Pb	206	1	He	5.569740	2.2	102758.743
Pb	207	1	He	5.709106	3.5	88853.883
Pb	208	1	He	5.595271	2.2	408067.940
Bi	209	1	He	0.041790	16.7	4017.280
Th	232	1	He	2.324623	3.5	190310.560
U	238	1	He	0.574314	3.6	48167.210

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.51005294	1033587.457
Sc	45	2	H2	95.91564972	6428431.500
Ge	72	1	He	93.48625171	633034.167
Ge	72	2	H2	94.97195942	1722652.210
In	115	1	He	94.16474193	6864038.550
Tb	159	1	He	98.83983115	16004362.260
Ir	193	1	He	98.21123585	7677390.303

Sample Name	10606560003_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	091SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:37:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.034933	3.9	4746.597
Be	9	2	H2	0.224701	10.1	155.167
B	11	2	H2	2.304942	19.5	4600.660
Na	23	1	He	253.908479	0.5	499378.340
Mg	24	1	He	2937.774741	0.5	3101767.663
Al	27	1	He	5812.589422	0.6	3320307.167
Si	28	2	H2	953.633556	3.4	4297312.917
K	39	1	He	871.214673	0.5	1496571.490
Ca	43	1	He	2857.569991	1.0	13792.317
Ca	44	1	He	2928.319237	1.1	236721.460
Ti	47	1	He	785.042099	0.3	406504.783
V	51	1	He	34.588599	2.0	422041.700
Cr	52	1	He	10.596829	1.3	155741.447
Mn	55	1	He	135.369301	0.7	1498577.337
Fe	56	1	He	12392.23673	0.3	165916954.667
Co	59	1	He	5.720599	1.9	121206.367
Ni	60	1	He	10.119843	2.9	53301.773
Cu	63	1	He	8.550537	1.9	114494.067
Zn	66	1	He	54.971116	1.6	151517.920
As	75	1	He	1.773689	1.1	4265.843
Se	78	2	H2	0.207676	4.9	252.667
Sr	88	1	He	20.985475	2.5	401781.530
Mo	95	1	He	0.193789	16.4	1641.763
Pd	105	1	He	0.024726	20.4	336.680
Ag	107	1	He	0.084925	3.8	2951.957
Cd	111	1	He	0.197055	2.9	916.207
Sn	118	1	He	1.260039	4.4	15498.770
Sb	121	1	He	0.047885	7.1	853.363
Ba	138	1	He	69.352477	1.5	2774196.623
Pt	195	1	He	0.002520	53.8	130.003
Hg	202	1	He	0.022308	34.0	246.677
Tl	205	1	He	0.117943	2.4	7193.347
Pb	206	1	He	4.010720	2.5	74177.700
Pb	207	1	He	3.997676	1.5	62647.300
Pb	208	1	He	4.008073	2.4	293279.673
Bi	209	1	He	0.042351	12.0	4053.937
Th	232	1	He	2.604155	1.9	213325.320
U	238	1	He	0.588157	0.8	49356.117

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.83769176	1048106.873
Sc	45	2	H2	97.13717668	6510300.333
Ge	72	1	He	94.14952376	637525.457
Ge	72	2	H2	96.45499448	1749552.293
In	115	1	He	94.95250231	6921461.503
Tb	159	1	He	99.03409370	16035817.677
Ir	193	1	He	98.26560035	7681640.097

Sample Name	4312117_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	092SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:41:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	94.997236	5.4	73093.293
Be	9	2	H2	88.494623	4.4	58015.910
B	11	2	H2	90.960865	5.5	65626.100
Na	23	1	He	2556.016270	4.7	4775776.073
Mg	24	1	He	5269.360535	5.5	5451468.043
Al	27	1	He	8132.438902	5.3	4554431.833
Si	28	2	H2	2052.582343	5.6	9154806.500
K	39	1	He	3181.899600	5.0	5026189.507
Ca	43	1	He	5265.533852	5.2	24911.303
Ca	44	1	He	5306.064311	4.9	420457.167
Ti	47	1	He	883.715553	4.9	448714.617
V	51	1	He	128.600958	6.1	1542488.297
Cr	52	1	He	104.667497	6.0	1502897.917
Mn	55	1	He	230.516205	4.7	2501777.000
Fe	56	1	He	13810.63063	5.0	181318330.667
Co	59	1	He	101.466221	4.6	2113911.917
Ni	60	1	He	106.031308	3.8	541610.750
Cu	63	1	He	105.129270	4.2	1381890.000
Zn	66	1	He	148.013182	4.3	401132.093
As	75	1	He	91.333652	3.6	202947.070
Se	78	2	H2	87.490209	1.5	99139.110
Sr	88	1	He	111.991838	4.1	2050096.690
Mo	95	1	He	92.732904	3.9	761539.860
Pd	105	1	He	91.128072	3.7	1064906.543
Ag	107	1	He	47.453083	5.7	1105502.403
Cd	111	1	He	91.251962	4.4	404418.537
Sn	118	1	He	92.540047	4.4	1076907.247
Sb	121	1	He	88.282026	4.7	1340209.773
Ba	138	1	He	163.690937	4.0	6339868.863
Pt	195	1	He	91.098847	4.2	1313008.887
Hg	202	1	He	0.019841	31.2	220.010
Tl	205	1	He	46.408200	4.0	2444439.393
Pb	206	1	He	97.137453	4.0	1737296.537
Pb	207	1	He	97.615153	4.1	1458602.060
Pb	208	1	He	97.071992	3.8	6848372.813
Bi	209	1	He	94.469882	4.1	5244420.757
Th	232	1	He	93.631046	4.2	7324151.143
U	238	1	He	91.076156	4.4	7286908.433

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.12418097	1029367.457
Sc	45	2	H2	96.30453363	6454495.167
Ge	72	1	He	92.75867700	628107.457
Ge	72	2	H2	96.51578347	1750654.917
In	115	1	He	90.92077917	6627573.340
Tb	159	1	He	95.98228077	15541661.433
Ir	193	1	He	93.96430413	7345398.223

Sample Name	4312118_B69995Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	093SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:45:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.266538	5.7	1016.360
Be	9	2	H2	0.072602	11.2	52.667
B	11	2	H2	1.314274	10.0	3783.777
Na	23	1	He	56.992467	1.1	121212.297
Mg	24	1	He	599.850978	0.8	614294.900
Al	27	1	He	1188.950976	0.4	656099.917
Si	28	2	H2	190.573534	5.5	841586.497
K	39	1	He	184.209401	0.8	403241.623
Ca	43	1	He	584.477654	1.7	2732.493
Ca	44	1	He	610.180490	1.5	47770.983
Ti	47	1	He	157.737779	0.5	78884.827
V	51	1	He	7.052233	2.0	81752.897
Cr	52	1	He	2.153045	1.4	30985.057
Mn	55	1	He	27.707228	0.2	296933.677
Fe	56	1	He	2525.008681	1.0	32662513.333
Co	59	1	He	1.145637	1.4	23861.760
Ni	60	1	He	2.000152	2.3	10998.047
Cu	63	1	He	1.788686	1.2	23708.273
Zn	66	1	He	11.234084	1.7	30509.873
As	75	1	He	0.341103	3.4	1015.197
Se	78	2	H2	0.046009	5.9	68.000
Sr	88	1	He	4.216309	0.4	79361.317
Mo	95	1	He	0.049393	18.5	426.677
Pd	105	1	He	0.012411	49.1	183.337
Ag	107	1	He	0.237043	17.0	6529.637
Cd	111	1	He	0.046603	26.7	214.873
Sn	118	1	He	0.241815	10.5	3055.310
Sb	121	1	He	0.011374	35.1	268.340
Ba	138	1	He	14.015554	1.4	546453.000
Pt	195	1	He	0.011001	20.5	250.010
Hg	202	1	He	0.006735	80.4	126.667
Tl	205	1	He	0.076379	12.4	4810.783
Pb	206	1	He	0.837912	3.1	15175.663
Pb	207	1	He	0.846768	0.3	13692.640
Pb	208	1	He	0.837894	2.3	60740.073
Bi	209	1	He	0.014791	20.6	2410.247
Th	232	1	He	0.531296	1.0	42841.770
U	238	1	He	0.123706	2.7	10276.810

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.56005871	1012261.793
Sc	45	2	H2	94.10664901	6307189.167
Ge	72	1	He	92.25032729	624665.210
Ge	72	2	H2	94.33510846	1711100.667
In	115	1	He	93.14926202	6790016.223
Tb	159	1	He	96.51258433	15627529.350
Ir	193	1	He	96.62729725	7553570.307

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	094_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:48:47
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	79.661009	4.4	60982.200
Be	9	2	H2	79.703997	4.0	51981.440
B	11	2	H2	79.689826	6.0	57568.913
Na	23	1	He	2032.225135	0.4	3855969.527
Mg	24	1	He	2022.411565	0.8	2125456.167
Al	27	1	He	1991.205128	0.2	1131831.163
Si	28	2	H2	1004.910277	5.0	4465092.833
K	39	1	He	2027.244809	0.6	3295404.427
Ca	43	1	He	2021.361087	1.2	9710.073
Ca	44	1	He	2025.939331	0.8	162982.680
Ti	47	1	He	78.087723	0.5	40232.193
V	51	1	He	82.833457	0.3	1007869.690
Cr	52	1	He	83.069887	0.5	1210782.873
Mn	55	1	He	84.122670	0.7	926850.897
Fe	56	1	He	1041.066791	0.8	13883435.667
Co	59	1	He	83.370125	1.1	1783995.167
Ni	60	1	He	84.327617	0.2	442533.730
Cu	63	1	He	86.578408	0.2	1168898.120
Zn	66	1	He	81.864526	0.7	227970.027
As	75	1	He	79.191857	0.3	180736.697
Se	78	2	H2	79.306093	0.5	89348.840
Sr	88	1	He	76.925258	0.5	1462114.147
Mo	95	1	He	82.372686	0.3	694731.420
Pd	105	1	He	81.056771	0.9	983260.273
Ag	107	1	He	41.005360	3.5	992213.343
Cd	111	1	He	79.583004	0.6	366220.340
Sn	118	1	He	80.183076	0.7	968920.403
Sb	121	1	He	76.833087	0.6	1211283.133
Ba	138	1	He	80.474544	0.8	3161682.663
Pt	195	1	He	80.207822	0.5	1172723.523
Hg	202	1	He	3.609797	1.2	26692.583
Tl	205	1	He	40.308288	0.5	2153851.740
Pb	206	1	He	82.412207	1.2	1495188.207
Pb	207	1	He	86.376313	0.3	1309411.357
Pb	208	1	He	83.384853	0.9	5967378.373
Bi	209	1	He	84.813700	1.3	4776362.010
Th	232	1	He	79.847015	0.7	6400591.987
U	238	1	He	76.961134	0.7	6310256.367

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.35527561	1042831.040
Sc	45	2	H2	95.77846782	6419237.333
Ge	72	1	He	95.17702989	644483.127
Ge	72	2	H2	95.95393178	1740463.750
In	115	1	He	94.30690447	6874401.337
Tb	159	1	He	97.27056668	15750263.513
Ir	193	1	He	96.18723521	7519169.680

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	095_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:52:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.060135	31.4	114.667
Be	9	2	H2	0.021032	39.6	20.333
B	11	2	H2	0.923672	30.3	3673.773
Na	23	1	He	5.318991	6.5	27583.817
Mg	24	1	He	-2.537234		785.023
Al	27	1	He	0.363895	15.0	456.677
Si	28	2	H2	-0.279800		11231.520
K	39	1	He	4.589933	28.9	136301.920
Ca	43	1	He	1.110935	50.4	15.840
Ca	44	1	He	1.082342	38.4	270.977
Ti	47	1	He	0.021991	10.9	14.667
V	51	1	He	0.042983	169.9	-1231.923
Cr	52	1	He	-0.000555		552.677
Mn	55	1	He	-0.062162		246.667
Fe	56	1	He	0.063890	7.1	18034.327
Co	59	1	He	0.002008	61.7	146.667
Ni	60	1	He	-0.123566		224.000
Cu	63	1	He	0.015686	24.9	531.343
Zn	66	1	He	0.026159	16.6	298.667
As	75	1	He	-0.011697		244.000
Se	78	2	H2	0.012939	61.8	32.667
Sr	88	1	He	0.001098	235.4	251.673
Mo	95	1	He	0.007040	34.5	83.333
Pd	105	1	He	0.011482	53.0	180.007
Ag	107	1	He	0.205881	18.5	6069.470
Cd	111	1	He	0.005621	86.2	29.977
Sn	118	1	He	0.032381	3.6	581.683
Sb	121	1	He	0.006252	15.6	198.333
Ba	138	1	He	0.011535	0.5	623.353
Pt	195	1	He	0.008711	13.3	223.343
Hg	202	1	He	0.023883	4.4	260.010
Tl	205	1	He	0.044206	31.0	3197.033
Pb	206	1	He	0.010156	44.7	286.673
Pb	207	1	He	0.009638	77.5	1145.050
Pb	208	1	He	0.008749	26.4	1948.403
Bi	209	1	He	0.004766	47.7	1910.163
Th	232	1	He	0.006851	14.5	621.683
U	238	1	He	0.004189	21.7	443.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.47152121	1055038.603
Sc	45	2	H2	98.15364820	6578426.000
Ge	72	1	He	95.39582022	645964.647
Ge	72	2	H2	98.45189628	1785773.167
In	115	1	He	97.78960278	7128268.920
Tb	159	1	He	99.59749958	16127045.593
Ir	193	1	He	98.82720485	7725541.967

Sample Name	4310661_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	096SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:55:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	59.575884	5.5	46257.537
Be	9	2	H2	54.826746	4.5	36256.257
B	11	2	H2	55.014365	3.8	41202.813
Na	23	1	He	1577.832835	1.0	3023488.707
Mg	24	1	He	4005.474400	1.4	4242323.270
Al	27	1	He	7922.031417	1.4	4540929.500
Si	28	2	H2	1022.796489	4.8	4607069.167
K	39	1	He	1911.172626	1.5	3140951.517
Ca	43	1	He	4656.122818	0.9	22546.897
Ca	44	1	He	4713.370391	1.6	382236.037
Ti	47	1	He	837.028520	1.2	434961.430
V	51	1	He	88.838062	2.4	1090389.357
Cr	52	1	He	65.995204	1.8	970384.810
Mn	55	1	He	186.496758	1.2	2071369.790
Fe	56	1	He	13010.86453	0.8	174812986.667
Co	59	1	He	61.969839	0.2	1314399.710
Ni	60	1	He	66.411942	0.4	345612.520
Cu	63	1	He	64.323282	0.4	860786.790
Zn	66	1	He	104.682796	0.5	288879.330
As	75	1	He	53.864515	0.7	121937.630
Se	78	2	H2	53.091487	0.3	60166.477
Sr	88	1	He	79.491090	0.4	1488105.393
Mo	95	1	He	54.300483	1.2	453878.313
Pd	105	1	He	10.135231	1.5	121131.167
Ag	107	1	He	27.519043	2.7	656211.293
Cd	111	1	He	52.904698	0.8	239788.873
Sn	118	1	He	53.851345	1.2	641002.803
Sb	121	1	He	34.986535	0.6	543293.937
Ba	138	1	He	123.588137	1.0	4865460.553
Pt	195	1	He	10.455009	1.4	153255.283
Hg	202	1	He	3.952071	2.3	29277.140
Tl	205	1	He	54.367726	1.3	2910782.560
Pb	206	1	He	58.339068	2.2	1060672.510
Pb	207	1	He	58.968983	2.3	896093.817
Pb	208	1	He	58.352978	1.3	4184942.440
Bi	209	1	He	55.174693	0.1	3114114.017
Th	232	1	He	56.732840	0.2	4524056.497
U	238	1	He	52.585980	0.6	4289257.123

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.18051706	1051856.103
Sc	45	2	H2	97.14300315	6510690.833
Ge	72	1	He	94.33330515	638769.917
Ge	72	2	H2	96.50958341	1750542.457
In	115	1	He	92.88155749	6770502.187
Tb	159	1	He	97.46435576	15781642.267
Ir	193	1	He	95.68759317	7480111.553

Sample Name	4310662_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	097SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:59:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	58.644350	4.6	46343.250
Be	9	2	H2	53.968482	4.5	36323.237
B	11	2	H2	55.036949	5.9	41964.423
Na	23	1	He	1625.452307	4.1	3094779.953
Mg	24	1	He	3987.563245	5.0	4196043.687
Al	27	1	He	8012.005260	4.2	4563699.500
Si	28	2	H2	1054.832013	4.8	4835098.167
K	39	1	He	1940.054110	4.6	3166166.727
Ca	43	1	He	4705.797864	3.9	22645.453
Ca	44	1	He	4771.676321	4.2	384504.493
Ti	47	1	He	824.582887	4.1	425794.343
V	51	1	He	90.817357	3.1	1108058.883
Cr	52	1	He	67.759396	3.3	990264.960
Mn	55	1	He	190.584984	4.3	2103379.500
Fe	56	1	He	13067.30446	3.9	174480277.333
Co	59	1	He	63.240426	4.6	1340457.710
Ni	60	1	He	67.979002	3.7	353612.653
Cu	63	1	He	65.811866	4.2	880283.417
Zn	66	1	He	108.055453	3.8	298049.017
As	75	1	He	55.013809	4.0	124464.743
Se	78	2	H2	52.143866	0.7	60274.503
Sr	88	1	He	81.240652	3.4	1517013.520
Mo	95	1	He	55.022651	5.4	459526.073
Pd	105	1	He	10.468046	4.1	124759.987
Ag	107	1	He	28.343482	1.0	674425.527
Cd	111	1	He	55.029847	2.6	248829.010
Sn	118	1	He	55.251615	2.6	656124.247
Sb	121	1	He	36.790164	2.1	570017.217
Ba	138	1	He	125.177781	4.0	4872041.177
Pt	195	1	He	10.807487	3.1	156659.477
Hg	202	1	He	3.991950	6.0	29216.960
Tl	205	1	He	55.828207	5.7	2953512.350
Pb	206	1	He	59.816690	4.2	1075102.250
Pb	207	1	He	60.182906	3.7	904178.293
Pb	208	1	He	59.533061	4.0	4221183.583
Bi	209	1	He	56.366798	4.3	3145199.117
Th	232	1	He	59.113051	3.2	4634698.160
U	238	1	He	53.834634	4.4	4315900.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.68613186	1046449.373
Sc	45	2	H2	98.86150832	6625868.000
Ge	72	1	He	94.41157536	639299.917
Ge	72	2	H2	98.43600011	1785484.833
In	115	1	He	92.72475057	6759071.913
Tb	159	1	He	96.47668489	15621716.433
Ir	193	1	He	94.16362370	7360979.477

Sample Name	10606565001_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	098SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:03:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.624305	6.4	5396.107
Be	9	2	H2	0.257437	14.8	182.833
B	11	2	H2	2.368820	23.6	4810.730
Na	23	1	He	347.721232	1.1	697702.020
Mg	24	1	He	3335.909088	1.3	3626731.197
Al	27	1	He	6773.910570	1.2	3984940.000
Si	28	2	H2	1017.961290	5.2	4756080.000
K	39	1	He	1038.790689	1.4	1812242.887
Ca	43	1	He	3218.706374	2.4	15998.447
Ca	44	1	He	3298.282161	0.6	274550.187
Ti	47	1	He	831.117012	1.4	443214.320
V	51	1	He	36.721184	1.6	461496.833
Cr	52	1	He	11.180868	1.9	169191.027
Mn	55	1	He	196.253453	1.5	2236898.667
Fe	56	1	He	14740.33549	1.7	203248778.667
Co	59	1	He	6.296035	1.9	136914.167
Ni	60	1	He	11.389604	2.1	61455.457
Cu	63	1	He	9.338845	1.2	128319.733
Zn	66	1	He	63.817323	1.0	180506.963
As	75	1	He	1.962008	3.8	4815.320
Se	78	2	H2	0.187519	6.8	238.333
Sr	88	1	He	26.957183	1.8	524757.283
Mo	95	1	He	0.210464	6.6	1826.783
Pd	105	1	He	0.035001	14.1	470.017
Ag	107	1	He	0.317367	15.4	8755.680
Cd	111	1	He	0.218157	14.8	1031.160
Sn	118	1	He	1.399754	4.4	17490.750
Sb	121	1	He	0.068677	12.2	1203.393
Ba	138	1	He	105.300764	2.0	4239772.857
Pt	195	1	He	0.008930	68.0	226.673
Hg	202	1	He	0.043265	9.5	406.680
Tl	205	1	He	0.103105	3.7	6428.020
Pb	206	1	He	5.685962	1.3	105811.380
Pb	207	1	He	5.726015	2.7	89890.887
Pb	208	1	He	5.652201	1.4	415759.460
Bi	209	1	He	0.049927	9.9	4517.410
Th	232	1	He	2.307575	0.2	188487.307
U	238	1	He	0.512493	1.1	42898.883

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	98.70216262	1079433.500
Sc	45	2	H2	100.7587863	6753026.833
Ge	72	1	He	96.64063004	654393.770
Ge	72	2	H2	100.1352667	1816307.040
In	115	1	He	96.55921752	7038581.297
Tb	159	1	He	99.67964037	16140346.010
Ir	193	1	He	97.98404517	7659630.303

Sample Name	10606565002_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	099SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:06:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.614234	4.7	4605.397
Be	9	2	H2	0.229937	12.9	165.167
B	11	2	H2	1.188946	25.6	3977.153
Na	23	1	He	323.701594	0.8	656923.910
Mg	24	1	He	2914.582898	0.8	3199045.577
Al	27	1	He	5988.807526	0.8	3556334.167
Si	28	2	H2	956.505126	5.6	4491748.833
K	39	1	He	887.014745	0.7	1581599.560
Ca	43	1	He	3185.085709	0.3	15981.650
Ca	44	1	He	3245.151083	0.7	272675.920
Ti	47	1	He	833.675403	0.2	448782.317
V	51	1	He	39.554406	0.5	501926.067
Cr	52	1	He	11.640586	0.5	177782.953
Mn	55	1	He	165.031733	0.4	1899006.540
Fe	56	1	He	13751.47080	0.7	191404357.333
Co	59	1	He	6.044851	1.4	132125.980
Ni	60	1	He	10.370814	0.9	56335.557
Cu	63	1	He	8.430373	1.1	116471.213
Zn	66	1	He	66.269132	1.1	188403.543
As	75	1	He	1.686544	2.3	4198.660
Se	78	2	H2	0.168338	8.1	216.667
Sr	88	1	He	25.265982	0.7	492774.080
Mo	95	1	He	0.194100	7.2	1695.100
Pd	105	1	He	0.033082	20.8	446.680
Ag	107	1	He	0.118863	4.4	3848.800
Cd	111	1	He	0.279067	15.2	1321.227
Sn	118	1	He	1.232261	2.2	15445.407
Sb	121	1	He	0.060525	7.8	1073.377
Ba	138	1	He	88.953150	0.3	3607189.010
Pt	195	1	He	0.002179	93.0	126.667
Hg	202	1	He	0.030622	8.8	313.343
Tl	205	1	He	0.102175	1.5	6423.000
Pb	206	1	He	5.324405	1.6	99799.143
Pb	207	1	He	5.447162	0.9	86170.533
Pb	208	1	He	5.335426	0.5	395341.303
Bi	209	1	He	0.042529	7.8	4120.607
Th	232	1	He	2.735289	1.2	225859.530
U	238	1	He	0.568245	2.2	48072.120

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.63683138	1089655.290
Sc	45	2	H2	101.2124975	6783435.333
Ge	72	1	He	97.15647203	657886.750
Ge	72	2	H2	100.4622571	1822238.167
In	115	1	He	96.74022558	7051775.687
Tb	159	1	He	100.3961933	16256371.843
Ir	193	1	He	99.05645027	7743462.590

Sample Name	10606565003_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	100SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:10:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.050970	4.7	4973.327
Be	9	2	H2	0.247320	2.7	177.333
B	11	2	H2	2.068631	18.9	4634.000
Na	23	1	He	314.635773	0.2	640237.320
Mg	24	1	He	3146.561115	0.3	3460114.220
Al	27	1	He	6108.118695	0.5	3634245.917
Si	28	2	H2	983.042622	4.1	4628207.833
K	39	1	He	923.091192	0.7	1643742.423
Ca	43	1	He	3993.618962	1.4	20075.790
Ca	44	1	He	4122.222237	0.8	347007.600
Ti	47	1	He	850.636011	1.0	458788.177
V	51	1	He	40.736522	0.6	517987.157
Cr	52	1	He	11.723839	1.6	179412.670
Mn	55	1	He	146.952054	0.4	1694334.127
Fe	56	1	He	14104.30627	0.8	196703909.333
Co	59	1	He	6.893510	1.1	151590.287
Ni	60	1	He	11.597438	0.8	63269.717
Cu	63	1	He	9.567171	0.8	132935.280
Zn	66	1	He	76.406525	0.7	218515.373
As	75	1	He	1.696633	2.2	4248.343
Se	78	2	H2	0.233434	2.5	294.333
Sr	88	1	He	25.569950	2.1	500614.160
Mo	95	1	He	0.238604	5.5	2091.810
Pd	105	1	He	0.030770	6.7	420.013
Ag	107	1	He	0.069428	8.4	2633.563
Cd	111	1	He	0.378052	8.7	1794.487
Sn	118	1	He	2.398047	2.5	30009.667
Sb	121	1	He	0.089305	3.6	1545.087
Ba	138	1	He	81.840981	1.3	3346760.990
Pt	195	1	He	0.004945	91.0	170.003
Hg	202	1	He	0.027671	14.3	293.343
Tl	205	1	He	0.150764	4.9	9179.387
Pb	206	1	He	6.850791	1.4	129456.797
Pb	207	1	He	6.879299	2.2	109473.297
Pb	208	1	He	6.814856	2.4	508838.307
Bi	209	1	He	0.084332	3.5	6604.820
Th	232	1	He	2.383309	1.3	197038.453
U	238	1	He	0.659914	2.2	55879.453

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.82688704	1091733.790
Sc	45	2	H2	101.4706825	6800739.333
Ge	72	1	He	97.73219221	661785.190
Ge	72	2	H2	100.7740472	1827893.583
In	115	1	He	97.10901900	7078658.490
Tb	159	1	He	101.2403101	16393053.090
Ir	193	1	He	99.17409914	7752659.463

Sample Name	10606565004_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	101SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:14:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.847389	7.1	4739.937
Be	9	2	H2	0.228791	5.6	162.333
B	11	2	H2	1.904581	16.3	4447.273
Na	23	1	He	336.037399	0.7	667327.260
Mg	24	1	He	2824.977399	0.8	3037447.767
Al	27	1	He	6354.316311	0.8	3696312.667
Si	28	2	H2	922.424160	6.3	4281698.333
K	39	1	He	1090.272053	1.0	1874382.057
Ca	43	1	He	7862.883291	0.7	38630.480
Ca	44	1	He	8070.583424	0.6	664024.523
Ti	47	1	He	828.670732	0.4	436987.927
V	51	1	He	39.471285	0.7	490647.423
Cr	52	1	He	11.768978	0.5	176067.847
Mn	55	1	He	151.481161	0.7	1707517.503
Fe	56	1	He	13951.13740	1.0	190212677.333
Co	59	1	He	7.254106	0.5	155935.373
Ni	60	1	He	10.358313	0.8	55337.777
Cu	63	1	He	11.801512	1.1	160234.980
Zn	66	1	He	76.084775	1.5	212712.407
As	75	1	He	1.988406	0.6	4820.150
Se	78	2	H2	0.256026	1.8	317.667
Sr	88	1	He	29.778443	0.8	575261.863
Mo	95	1	He	0.235684	5.7	2020.140
Pd	105	1	He	0.033657	8.4	450.013
Ag	107	1	He	0.058793	24.3	2336.850
Cd	111	1	He	0.478626	3.2	2241.230
Sn	118	1	He	1.558248	0.5	19302.670
Sb	121	1	He	0.068522	6.0	1191.720
Ba	138	1	He	81.216332	1.5	3244456.517
Pt	195	1	He	0.001400	196.9	113.333
Hg	202	1	He	0.044145	18.6	410.013
Tl	205	1	He	0.193698	7.9	11297.407
Pb	206	1	He	6.660130	1.0	122954.537
Pb	207	1	He	6.689059	3.9	104007.297
Pb	208	1	He	6.622396	2.1	483078.133
Bi	209	1	He	0.055418	3.3	4797.480
Th	232	1	He	2.508163	2.2	202870.003
U	238	1	He	0.728969	1.8	60382.857

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.60361988	1067419.540
Sc	45	2	H2	100.0488498	6705445.667
Ge	72	1	He	95.55086562	647014.523
Ge	72	2	H2	99.69769241	1808370.083
In	115	1	He	95.82818916	6985293.763
Tb	159	1	He	98.90743307	16015308.510
Ir	193	1	He	97.03976257	7585813.637

Sample Name	10606565005_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	102SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:17:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.488257	4.2	4566.223
Be	9	2	H2	0.213779	9.4	156.167
B	11	2	H2	0.998318	10.8	3893.813
Na	23	1	He	316.595837	1.4	655119.483
Mg	24	1	He	2736.512777	0.7	3061089.223
Al	27	1	He	6207.762989	0.4	3756590.417
Si	28	2	H2	935.389167	3.9	4453081.583
K	39	1	He	877.318331	1.3	1595580.760
Ca	43	1	He	3236.899803	2.2	16551.000
Ca	44	1	He	3324.921032	0.7	284698.307
Ti	47	1	He	793.801292	0.8	435446.930
V	51	1	He	36.673538	1.5	474101.000
Cr	52	1	He	11.047632	1.2	171973.073
Mn	55	1	He	177.301749	0.5	2078941.043
Fe	56	1	He	13175.14304	0.8	186876736.000
Co	59	1	He	5.773597	0.7	128311.430
Ni	60	1	He	10.172879	0.6	56192.403
Cu	63	1	He	9.936091	1.1	139495.817
Zn	66	1	He	68.022701	0.6	196602.320
As	75	1	He	1.805932	1.3	4550.747
Se	78	2	H2	0.211061	5.6	271.333
Sr	88	1	He	23.795506	3.3	472496.737
Mo	95	1	He	0.208474	8.6	1850.123
Pd	105	1	He	0.032166	16.4	443.347
Ag	107	1	He	0.072719	5.8	2753.577
Cd	111	1	He	0.242997	5.1	1171.167
Sn	118	1	He	1.272815	3.5	16237.850
Sb	121	1	He	0.069359	9.4	1238.390
Ba	138	1	He	85.203222	0.8	3485451.093
Pt	195	1	He	0.001444	129.0	116.667
Hg	202	1	He	0.034125	41.6	343.347
Tl	205	1	He	0.082966	3.8	5410.970
Pb	206	1	He	5.855654	3.1	110701.093
Pb	207	1	He	6.002113	3.8	95670.627
Pb	208	1	He	5.884125	2.2	439668.643
Bi	209	1	He	0.049185	3.4	4547.400
Th	232	1	He	2.024733	0.9	167810.650
U	238	1	He	0.659814	2.2	56006.690

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.5320543	1110381.960
Sc	45	2	H2	102.6352602	6878791.333
Ge	72	1	He	98.76207599	668758.960
Ge	72	2	H2	102.1067533	1852066.920
In	115	1	He	98.50548772	7180452.590
Tb	159	1	He	101.2801441	16399503.090
Ir	193	1	He	99.41782916	7771712.380

Sample Name	10606565006_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	103SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:21:17
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.447629	4.3	4527.377
Be	9	2	H2	0.239753	5.4	174.000
B	11	2	H2	1.809104	20.3	4487.303
Na	23	1	He	335.906533	0.8	689904.780
Mg	24	1	He	3002.919539	0.8	3339084.223
Al	27	1	He	6191.019926	1.0	3724600.417
Si	28	2	H2	958.349137	4.6	4556494.750
K	39	1	He	882.276417	0.7	1594474.973
Ca	43	1	He	3116.456589	1.4	15842.307
Ca	44	1	He	3177.405482	0.9	270487.677
Ti	47	1	He	928.797565	1.2	506538.293
V	51	1	He	48.453258	0.9	623317.663
Cr	52	1	He	11.894760	0.9	184031.113
Mn	55	1	He	230.500382	0.8	2686671.917
Fe	56	1	He	14673.12804	0.3	206906400.000
Co	59	1	He	6.066042	0.8	134223.543
Ni	60	1	He	11.200693	0.7	61509.593
Cu	63	1	He	12.608015	0.2	176148.600
Zn	66	1	He	73.578458	0.3	211717.643
As	75	1	He	3.241618	1.5	7912.257
Se	78	2	H2	0.187290	2.9	243.000
Sr	88	1	He	24.244155	0.7	479961.543
Mo	95	1	He	0.197755	6.8	1746.770
Pd	105	1	He	0.035156	12.7	480.020
Ag	107	1	He	0.058212	3.1	2380.197
Cd	111	1	He	0.238822	12.1	1147.857
Sn	118	1	He	1.294370	0.5	16459.683
Sb	121	1	He	0.104102	1.8	1805.113
Ba	138	1	He	84.978071	1.0	3465085.053
Pt	195	1	He	0.002999	98.4	140.003
Hg	202	1	He	0.016486	40.1	206.673
Tl	205	1	He	0.076275	3.6	5022.517
Pb	206	1	He	9.767407	3.2	184013.567
Pb	207	1	He	10.231272	1.3	161856.253
Pb	208	1	He	9.899113	2.6	736419.230
Bi	209	1	He	0.059514	15.0	5137.623
Th	232	1	He	1.984343	1.5	163708.413
U	238	1	He	0.585892	0.6	49516.657

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.9382806	1103888.290
Sc	45	2	H2	102.5016344	6869835.500
Ge	72	1	He	98.33421364	665861.727
Ge	72	2	H2	102.1137616	1852194.040
In	115	1	He	98.19374752	7157728.620
Tb	159	1	He	100.9553173	16346906.423
Ir	193	1	He	98.96717358	7736483.633

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	104_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:24:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	80.869098	6.3	62244.150
Be	9	2	H2	80.676676	5.4	52899.650
B	11	2	H2	77.719246	5.1	56505.980
Na	23	1	He	2035.192408	1.2	3944982.130
Mg	24	1	He	2027.514464	1.7	2176843.977
Al	27	1	He	1987.848056	0.4	1154346.293
Si	28	2	H2	1018.201144	6.1	4548535.000
K	39	1	He	2049.505316	0.9	3402171.823
Ca	43	1	He	2040.634589	2.9	10014.040
Ca	44	1	He	2031.166080	1.3	166934.500
Ti	47	1	He	77.621267	0.8	40856.247
V	51	1	He	82.830653	0.9	1029596.620
Cr	52	1	He	83.280284	0.2	1240104.920
Mn	55	1	He	84.098984	0.7	946611.060
Fe	56	1	He	1047.450169	1.5	14270321.667
Co	59	1	He	84.014972	1.2	1835680.710
Ni	60	1	He	84.610335	0.7	453367.407
Cu	63	1	He	86.834492	0.7	1197048.207
Zn	66	1	He	81.970707	0.4	233077.673
As	75	1	He	79.682246	0.4	185683.880
Se	78	2	H2	79.895843	1.2	91670.587
Sr	88	1	He	77.163786	1.3	1499440.343
Mo	95	1	He	82.738234	0.3	712521.523
Pd	105	1	He	80.953635	0.8	1003983.710
Ag	107	1	He	41.117148	4.6	1016955.143
Cd	111	1	He	79.775471	1.8	375295.353
Sn	118	1	He	79.461866	0.6	981721.623
Sb	121	1	He	76.108200	0.5	1226696.493
Ba	138	1	He	80.432930	0.4	3231347.347
Pt	195	1	He	80.493292	2.1	1203326.027
Hg	202	1	He	3.601602	3.5	27233.420
Tl	205	1	He	39.505961	0.6	2158574.710
Pb	206	1	He	81.098848	1.1	1504518.210
Pb	207	1	He	84.521295	0.9	1310173.157
Pb	208	1	He	82.096769	0.3	6007769.963
Bi	209	1	He	84.457490	0.3	4863774.823
Th	232	1	He	79.045433	1.2	6461549.487
U	238	1	He	76.938936	0.9	6433574.073

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.41612115	1065369.003
Sc	45	2	H2	96.31544302	6455226.333
Ge	72	1	He	97.18312821	658067.250
Ge	72	2	H2	97.72396172	1772569.500
In	115	1	He	96.42112884	7028515.470
Tb	159	1	He	99.46344343	16105338.927
Ir	193	1	He	98.09556710	7668348.220

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	105_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:28:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.061189	13.8	114.333
Be	9	2	H2	0.013715	74.8	15.333
B	11	2	H2	0.738822	25.7	3503.723
Na	23	1	He	4.264544	8.4	25372.413
Mg	24	1	He	-2.553447		761.690
Al	27	1	He	0.319568	9.8	428.010
Si	28	2	H2	-0.346124		10819.260
K	39	1	He	4.956804	8.4	135852.770
Ca	43	1	He	-0.204344		9.363
Ca	44	1	He	0.844501	28.4	249.750
Ti	47	1	He	0.033758	62.9	20.667
V	51	1	He	0.041721	51.4	-1234.990
Cr	52	1	He	-0.002679		517.343
Mn	55	1	He	-0.059766		271.333
Fe	56	1	He	0.185730	18.1	19527.213
Co	59	1	He	0.001958	46.8	145.333
Ni	60	1	He	-0.126296		209.333
Cu	63	1	He	0.012431	13.4	486.677
Zn	66	1	He	0.009274	66.7	251.333
As	75	1	He	-0.022675		218.667
Se	78	2	H2	0.002262	120.2	20.333
Sr	88	1	He	0.005060	36.5	328.343
Mo	95	1	He	0.007830	18.9	90.000
Pd	105	1	He	0.010434	31.1	166.673
Ag	107	1	He	0.200999	12.3	5927.743
Cd	111	1	He	0.007389	30.4	38.307
Sn	118	1	He	0.026156	39.6	501.683
Sb	121	1	He	0.004764	14.9	173.333
Ba	138	1	He	0.011968	15.9	641.683
Pt	195	1	He	0.005089	70.7	170.003
Hg	202	1	He	0.029515	13.3	303.343
Tl	205	1	He	0.040463	26.8	3003.650
Pb	206	1	He	0.008865	12.8	263.337
Pb	207	1	He	0.001966	555.0	1028.377
Pb	208	1	He	0.007224	31.8	1841.730
Bi	209	1	He	-0.000429		1616.777
Th	232	1	He	0.006243	15.2	580.020
U	238	1	He	0.003467	18.5	388.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.74213298	1047061.817
Sc	45	2	H2	97.15289298	6511353.667
Ge	72	1	He	95.25981959	645043.730
Ge	72	2	H2	98.15991644	1780477.080
In	115	1	He	97.41232558	7100767.700
Tb	159	1	He	99.83547653	16165579.343
Ir	193	1	He	100.3137969	7841752.173

Sample Name	4322471_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	106SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:32:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.052443	42.7	108.833
Be	9	2	H2	0.020378	19.2	20.000
B	11	2	H2	0.619538	35.7	3457.053
Na	23	1	He	9.176881	3.1	35053.093
Mg	24	1	He	0.068096	146.6	3560.380
Al	27	1	He	5.026161	2.7	3145.937
Si	28	2	H2	1.022263	18.6	17131.990
K	39	1	He	5.099828	34.7	137498.423
Ca	43	1	He	10.374798	11.3	60.980
Ca	44	1	He	7.957363	5.1	832.070
Ti	47	1	He	0.062658	17.4	36.000
V	51	1	He	-3.386103		-44141.097
Cr	52	1	He	0.725473	1.2	11286.197
Mn	55	1	He	0.021700	19.2	1184.043
Fe	56	1	He	5.897904	1.5	96926.117
Co	59	1	He	0.005958	9.7	228.000
Ni	60	1	He	-0.084317		424.010
Cu	63	1	He	0.060948	6.9	1126.707
Zn	66	1	He	0.610067	3.1	1898.107
As	75	1	He	-0.022064		217.167
Se	78	2	H2	0.010589	24.1	30.000
Sr	88	1	He	0.018923	7.8	601.683
Mo	95	1	He	0.016779	12.7	163.333
Pd	105	1	He	0.003541	118.8	80.000
Ag	107	1	He	0.044439	13.2	2020.140
Cd	111	1	He	0.011590	43.9	58.280
Sn	118	1	He	1.142368	2.4	14456.207
Sb	121	1	He	0.006070	13.7	195.000
Ba	138	1	He	0.066458	3.5	2831.933
Pt	195	1	He	0.012051	13.1	273.343
Hg	202	1	He	0.013778	65.4	183.340
Tl	205	1	He	0.007071	19.9	1170.057
Pb	206	1	He	0.083815	6.1	1655.100
Pb	207	1	He	0.074949	5.7	2158.503
Pb	208	1	He	0.081735	2.5	7295.683
Bi	209	1	He	0.006799	43.0	2026.843
Th	232	1	He	0.004667	15.5	446.680
U	238	1	He	0.001215	25.6	195.000

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.75243814	1058110.787
Sc	45	2	H2	98.07168721	6572932.833
Ge	72	1	He	93.98449473	636407.977
Ge	72	2	H2	98.39660185	1784770.207
In	115	1	He	97.58796973	7113571.093
Tb	159	1	He	99.57831598	16123939.343
Ir	193	1	He	99.85913580	7806210.300

Sample Name	4322472_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	107SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:35:42
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.579686	4.8	83657.600
Be	9	2	H2	107.885263	4.1	72159.697
B	11	2	H2	106.634309	3.6	77952.617
Na	23	1	He	2218.306234	0.6	4297827.123
Mg	24	1	He	2180.940835	0.9	2341050.280
Al	27	1	He	2137.676109	0.3	1241148.833
Si	28	2	H2	546.063901	5.1	2494239.417
K	39	1	He	2218.459452	0.7	3671421.510
Ca	43	1	He	2204.335550	0.9	10815.643
Ca	44	1	He	2177.953932	1.1	178965.347
Ti	47	1	He	102.374508	0.5	53877.143
V	51	1	He	109.517721	0.6	1361715.407
Cr	52	1	He	111.780638	0.3	1664053.337
Mn	55	1	He	111.049106	0.4	1249493.457
Fe	56	1	He	2251.130131	0.7	30645686.667
Co	59	1	He	114.161766	0.7	2505110.583
Ni	60	1	He	114.888237	1.6	617903.520
Cu	63	1	He	114.411263	0.3	1583896.667
Zn	66	1	He	111.197667	0.9	317454.790
As	75	1	He	107.614606	1.0	251749.907
Se	78	2	H2	107.152578	1.0	123945.130
Sr	88	1	He	106.004886	1.0	2035223.353
Mo	95	1	He	108.884099	1.2	941657.043
Pd	105	1	He	21.810827	0.6	267298.730
Ag	107	1	He	49.671428	3.2	1213912.793
Cd	111	1	He	106.714336	0.6	496072.407
Sn	118	1	He	103.770649	0.7	1266691.723
Sb	121	1	He	101.221241	0.7	1611911.277
Ba	138	1	He	109.560815	0.0	4332672.333
Pt	195	1	He	21.456214	0.5	315834.937
Hg	202	1	He	0.019120	53.9	220.007
Tl	205	1	He	111.800559	0.9	6011614.703
Pb	206	1	He	111.894753	0.6	2043344.450
Pb	207	1	He	112.232717	1.4	1712163.623
Pb	208	1	He	111.501226	0.8	8031334.783
Bi	209	1	He	113.014343	1.1	6406133.237
Th	232	1	He	112.225368	1.4	8918811.327
U	238	1	He	106.018371	1.1	8618174.873

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.40190576	1065213.540
Sc	45	2	H2	98.23949351	6584179.500
Ge	72	1	He	97.60065544	660894.500
Ge	72	2	H2	98.51638385	1786942.877
In	115	1	He	95.26704142	6944389.497
Tb	159	1	He	97.90716613	15853343.093
Ir	193	1	He	95.36404737	7454819.260

Sample Name	10607436003_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	108SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:39:17
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.784054	4.5	2114.783
Be	9	2	H2	0.056435	24.6	41.667
B	11	2	H2	22.649274	4.4	17785.437
Na	23	1	He	24577.21884	0.7	46670970.970
Mg	24	1	He	24242.25000	0.3	25565818.787
Al	27	1	He	305.653363	0.9	174799.257
Si	28	2	H2	3669.491933	6.9	15690205.000
K	39	1	He	8404.360055	0.6	13325956.883
Ca	43	1	He	141179.7172	0.2	680843.713
Ca	44	1	He	141427.0150	0.7	11421738.103
Ti	47	1	He	0.148465	15.2	80.000
V	51	1	He	1.459119	9.3	16118.937
Cr	52	1	He	0.751679	2.8	11562.383
Mn	55	1	He	26.729910	0.6	296595.937
Fe	56	1	He	11.004155	1.0	164353.217
Co	59	1	He	0.717496	0.9	15076.330
Ni	60	1	He	1.854062	0.9	10322.313
Cu	63	1	He	5.419151	1.6	71651.753
Zn	66	1	He	121.497548	1.5	329890.290
As	75	1	He	1.926618	1.9	4545.750
Se	78	2	H2	0.468053	4.2	528.677
Sr	88	1	He	383.747937	0.3	7196331.767
Mo	95	1	He	1.746957	3.0	14391.017
Pd	105	1	He	0.063422	5.1	793.370
Ag	107	1	He	0.225722	18.4	6254.540
Cd	111	1	He	0.042790	6.4	197.350
Sn	118	1	He	5.854484	1.7	69960.183
Sb	121	1	He	0.353284	5.4	5587.640
Ba	138	1	He	132.192863	1.9	5137902.007
Pt	195	1	He	0.009496	65.1	226.673
Hg	202	1	He	0.017314	19.1	203.337
Tl	205	1	He	0.069867	2.4	4448.997
Pb	206	1	He	2.535566	2.3	45606.503
Pb	207	1	He	2.559499	1.6	39320.070
Pb	208	1	He	2.522508	0.7	179828.073
Bi	209	1	He	0.052519	12.1	4507.407
Th	232	1	He	0.026228	2.6	2116.830
U	238	1	He	0.036542	4.6	3025.323

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.82649660	1047984.440
Sc	45	2	H2	92.24375780	6182335.000
Ge	72	1	He	92.84356276	628682.253
Ge	72	2	H2	93.16060383	1689796.873
In	115	1	He	93.05732392	6783314.493
Tb	159	1	He	96.23705593	15582915.187
Ir	193	1	He	94.33519727	7374391.763

Sample Name	4323804_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	109SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:42:52
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.734190	2.6	59852.827
Be	9	2	H2	82.076917	2.8	50597.160
B	11	2	H2	99.593332	1.5	67267.900
Na	23	1	He	26358.58902	0.8	48750280.937
Mg	24	1	He	25894.72316	1.2	26596940.437
Al	27	1	He	2299.648744	0.8	1279369.997
Si	28	2	H2	4613.011696	4.4	19338946.667
K	39	1	He	10309.85862	1.2	15893412.260
Ca	43	1	He	141086.3187	0.4	662694.540
Ca	44	1	He	141040.6097	1.2	11093768.540
Ti	47	1	He	78.678103	0.7	39676.997
V	51	1	He	86.926596	0.4	1035326.023
Cr	52	1	He	84.690982	0.5	1208233.583
Mn	55	1	He	108.361541	1.0	1168306.127
Fe	56	1	He	1042.380190	1.0	13606118.000
Co	59	1	He	83.947079	0.9	1720012.373
Ni	60	1	He	84.651824	0.6	425349.097
Cu	63	1	He	88.472927	0.5	1143743.337
Zn	66	1	He	200.939237	0.4	535467.627
As	75	1	He	85.270353	0.1	186319.363
Se	78	2	H2	83.245386	0.8	89809.787
Sr	88	1	He	466.559826	1.3	8330419.047
Mo	95	1	He	86.506687	0.7	698572.070
Pd	105	1	He	78.977397	1.5	900168.817
Ag	107	1	He	40.562971	3.2	922239.463
Cd	111	1	He	81.374254	0.5	351831.907
Sn	118	1	He	86.687771	0.4	984219.230
Sb	121	1	He	80.053448	0.7	1185755.893
Ba	138	1	He	209.380416	1.0	7993505.927
Pt	195	1	He	80.156468	1.2	1138818.917
Hg	202	1	He	0.018770	23.1	210.010
Tl	205	1	He	40.721386	0.7	2114511.477
Pb	206	1	He	84.544188	0.4	1490684.610
Pb	207	1	He	84.474552	0.7	1244501.493
Pb	208	1	He	83.590605	0.2	5813464.077
Bi	209	1	He	80.469266	1.1	4403763.373
Th	232	1	He	80.961994	0.8	6262316.577
U	238	1	He	82.096590	0.5	6495317.193

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.33437024	1020729.873
Sc	45	2	H2	90.53520960	6067825.167
Ge	72	1	He	91.13236787	617095.043
Ge	72	2	H2	91.88533785	1666665.417
In	115	1	He	88.60733644	6458937.397
Tb	159	1	He	94.52737162	15306079.353
Ir	193	1	He	92.81579830	7255616.973

Sample Name	4323805_B70205Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	110SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:46:26
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.680415	6.7	591.177
Be	9	2	H2	0.030936	26.5	26.667
B	11	2	H2	5.881122	7.9	7038.120
Na	23	1	He	5292.538323	0.4	10053742.763
Mg	24	1	He	5309.213735	0.8	5595963.877
Al	27	1	He	66.351825	0.5	38099.903
Si	28	2	H2	812.116355	6.0	3640822.667
K	39	1	He	1810.032314	1.3	2967466.207
Ca	43	1	He	29911.31919	0.4	144108.170
Ca	44	1	He	30341.59411	1.4	2447866.153
Ti	47	1	He	0.044174	32.4	26.000
V	51	1	He	0.359545	6.6	2655.620
Cr	52	1	He	0.169792	3.6	3039.600
Mn	55	1	He	5.766942	0.7	64654.727
Fe	56	1	He	2.529927	0.6	50872.513
Co	59	1	He	0.152430	5.7	3331.650
Ni	60	1	He	0.296836	8.8	2400.837
Cu	63	1	He	1.195068	2.2	16284.057
Zn	66	1	He	26.651706	0.3	73630.643
As	75	1	He	0.394242	2.4	1156.873
Se	78	2	H2	0.107188	6.1	139.333
Sr	88	1	He	80.196373	0.6	1547975.757
Mo	95	1	He	0.371634	4.0	3126.983
Pd	105	1	He	0.020951	48.0	293.340
Ag	107	1	He	0.190376	18.7	5562.633
Cd	111	1	He	0.014086	19.4	69.060
Sn	118	1	He	1.374647	1.5	17040.310
Sb	121	1	He	0.077171	8.7	1330.060
Ba	138	1	He	27.603054	0.4	1101486.260
Pt	195	1	He	0.004108	23.4	153.333
Hg	202	1	He	0.013527	70.2	180.003
Tl	205	1	He	0.061111	22.4	4093.920
Pb	206	1	He	0.547244	4.5	10178.350
Pb	207	1	He	0.543527	3.3	9349.460
Pb	208	1	He	0.547301	1.1	41065.760
Bi	209	1	He	0.013237	22.9	2380.233
Th	232	1	He	0.009930	8.6	861.703
U	238	1	He	0.009072	7.0	841.697

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.72892342	1046917.353
Sc	45	2	H2	96.57033553	6472309.667
Ge	72	1	He	94.23010466	638071.103
Ge	72	2	H2	96.82960209	1756347.127
In	115	1	He	95.77523199	6981433.507
Tb	159	1	He	98.78606305	15995656.010
Ir	193	1	He	97.30521549	7606564.680

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	111_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:50:02
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	81.265811	5.3	61572.057
Be	9	2	H2	80.976264	4.8	52274.060
B	11	2	H2	79.594148	5.2	56910.670
Na	23	1	He	2065.033907	0.9	3869320.257
Mg	24	1	He	2041.942398	0.8	2119370.127
Al	27	1	He	1997.949106	0.4	1121559.583
Si	28	2	H2	1003.480800	4.9	4412981.667
K	39	1	He	2023.472200	0.2	3248725.157
Ca	43	1	He	2031.568435	1.5	9638.367
Ca	44	1	He	1988.705998	0.8	158007.373
Ti	47	1	He	77.479520	1.0	39424.470
V	51	1	He	82.601762	0.4	992567.620
Cr	52	1	He	83.356242	0.5	1199893.707
Mn	55	1	He	84.058316	0.8	914650.207
Fe	56	1	He	1041.027463	0.4	13710939.333
Co	59	1	He	83.903584	1.9	1764549.167
Ni	60	1	He	84.741169	1.3	437059.147
Cu	63	1	He	86.968272	1.5	1153951.580
Zn	66	1	He	82.454410	0.3	225675.330
As	75	1	He	79.949524	1.0	179326.830
Se	78	2	H2	78.563911	0.6	87925.470
Sr	88	1	He	76.390883	0.4	1440743.730
Mo	95	1	He	83.317592	0.8	690626.060
Pd	105	1	He	80.905617	0.6	973819.440
Ag	107	1	He	41.092888	3.3	986425.323
Cd	111	1	He	79.863633	1.5	364651.270
Sn	118	1	He	79.136280	1.3	948840.430
Sb	121	1	He	76.528365	1.4	1197066.910
Ba	138	1	He	79.428925	0.5	3111609.433
Pt	195	1	He	81.614025	1.7	1189747.013
Hg	202	1	He	3.632584	0.5	26782.633
Tl	205	1	He	40.209607	1.0	2142298.770
Pb	206	1	He	82.113057	1.3	1485429.667
Pb	207	1	He	86.130115	1.0	1301849.693
Pb	208	1	He	83.486722	1.0	5957204.107
Bi	209	1	He	84.683799	1.2	4755157.533
Th	232	1	He	78.648731	0.5	6365099.280
U	238	1	He	76.253630	1.0	6312338.657

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.17105862	1029880.123
Sc	45	2	H2	94.82770385	6355515.500
Ge	72	1	He	93.54583749	633437.647
Ge	72	2	H2	95.31684210	1728907.877
In	115	1	He	93.57828066	6821289.080
Tb	159	1	He	96.98787434	15704489.350
Ir	193	1	He	97.11289704	7591530.720

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	112_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:53:38
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.066993	23.6	119.833
Be	9	2	H2	0.037296	27.0	31.333
B	11	2	H2	1.088270	38.8	3783.810
Na	23	1	He	4.192190	4.3	25257.270
Mg	24	1	He	-2.272696		1058.377
Al	27	1	He	0.284992	3.9	408.677
Si	28	2	H2	-0.118129		11950.020
K	39	1	He	7.679903	11.8	140242.410
Ca	43	1	He	1.982858	36.1	19.937
Ca	44	1	He	2.179626	24.2	357.623
Ti	47	1	He	0.011875	19.3	9.333
V	51	1	He	-0.005030		-1806.207
Cr	52	1	He	-0.000514		549.343
Mn	55	1	He	-0.058223		288.667
Fe	56	1	He	-0.034306		16598.297
Co	59	1	He	0.001867	54.8	142.000
Ni	60	1	He	-0.123842		220.000
Cu	63	1	He	0.015590	17.8	524.010
Zn	66	1	He	0.015769	59.5	266.667
As	75	1	He	-0.007089		251.667
Se	78	2	H2	0.008932	53.8	28.000
Sr	88	1	He	0.012050	51.0	461.680
Mo	95	1	He	0.009139	22.5	100.000
Pd	105	1	He	0.008150	35.1	136.667
Ag	107	1	He	0.205778	13.7	5994.427
Cd	111	1	He	0.008167	59.1	41.633
Sn	118	1	He	0.048462	20.7	773.360
Sb	121	1	He	0.010013	8.9	256.670
Ba	138	1	He	0.013394	6.6	693.353
Pt	195	1	He	0.007918	59.9	210.007
Hg	202	1	He	0.031693	24.3	316.677
Tl	205	1	He	0.041641	20.4	3040.323
Pb	206	1	He	0.009541	6.7	273.343
Pb	207	1	He	0.010332	40.8	1148.387
Pb	208	1	He	0.008163	5.8	1893.407
Bi	209	1	He	0.004224	70.9	1866.820
Th	232	1	He	0.008618	11.3	761.693
U	238	1	He	0.004926	16.3	501.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.82040067	1047917.773
Sc	45	2	H2	97.98557830	6567161.667
Ge	72	1	He	94.31262361	638629.873
Ge	72	2	H2	98.21983969	1781564.000
In	115	1	He	96.60085303	7041616.273
Tb	159	1	He	98.92471760	16018107.260
Ir	193	1	He	98.10776239	7669301.553

Sample Name	4322473_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	113SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:57:14
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	108.684183	4.5	77934.423
Be	9	2	H2	108.304916	4.0	66179.530
B	11	2	H2	129.035386	6.5	85643.630
Na	23	1	He	27124.57797	1.3	50113469.253
Mg	24	1	He	26758.63710	1.4	27455367.090
Al	27	1	He	2434.868885	1.3	1353150.997
Si	28	2	H2	4246.245109	6.4	17650146.000
K	39	1	He	10712.33188	1.6	16491824.340
Ca	43	1	He	144538.3326	1.0	678199.500
Ca	44	1	He	144774.0656	0.7	11375880.473
Ti	47	1	He	103.966597	1.2	52375.007
V	51	1	He	113.991924	0.9	1356791.017
Cr	52	1	He	110.625117	1.3	1576356.667
Mn	55	1	He	133.730400	1.2	1440121.833
Fe	56	1	He	2189.726579	1.3	28534392.667
Co	59	1	He	113.072929	0.5	2304690.917
Ni	60	1	He	112.824268	0.9	563641.333
Cu	63	1	He	114.371625	0.2	1470673.707
Zn	66	1	He	228.992464	0.1	607011.813
As	75	1	He	113.081009	0.6	245704.320
Se	78	2	H2	109.335367	1.7	116516.317
Sr	88	1	He	505.672209	0.4	9007928.410
Mo	95	1	He	115.975679	0.9	931609.827
Pd	105	1	He	20.954329	1.3	238282.457
Ag	107	1	He	48.870402	2.5	1108168.550
Cd	111	1	He	106.918393	0.1	461174.560
Sn	118	1	He	112.317614	1.0	1272131.283
Sb	121	1	He	105.532577	0.2	1559421.073
Ba	138	1	He	241.706132	1.7	8941410.493
Pt	195	1	He	21.694688	0.3	298778.457
Hg	202	1	He	0.033704	29.4	306.680
Tl	205	1	He	109.562118	1.7	5511155.127
Pb	206	1	He	112.824336	1.6	1927397.577
Pb	207	1	He	112.816554	1.2	1610107.267
Pb	208	1	He	112.960086	1.2	7611700.720
Bi	209	1	He	110.988660	1.5	5885414.703
Th	232	1	He	111.896766	1.3	8418802.790
U	238	1	He	109.797613	0.5	8449836.537

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.24077892	1019706.333
Sc	45	2	H2	89.74710684	6015005.167
Ge	72	1	He	90.65534101	613864.897
Ge	72	2	H2	90.77221727	1646475.040
In	115	1	He	88.39784640	6443666.843
Tb	159	1	He	91.60139590	14832298.947
Ir	193	1	He	90.28335569	7057650.313

Sample Name	4322474_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	114SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:00:50
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	107.929902	3.7	77484.880
Be	9	2	H2	107.446440	2.5	65719.893
B	11	2	H2	126.315543	3.8	83958.850
Na	23	1	He	26970.93153	0.6	49837325.923
Mg	24	1	He	26583.67480	0.4	27280038.757
Al	27	1	He	2404.288071	0.7	1336333.917
Si	28	2	H2	4216.275305	5.5	17546397.333
K	39	1	He	10618.03510	0.6	16350027.260
Ca	43	1	He	143472.2299	0.8	673257.933
Ca	44	1	He	143634.1322	0.3	11287539.567
Ti	47	1	He	102.225199	2.4	51499.633
V	51	1	He	112.282464	0.6	1336564.810
Cr	52	1	He	109.057645	0.4	1554249.167
Mn	55	1	He	132.387069	0.2	1425853.497
Fe	56	1	He	2161.534754	0.4	28170984.000
Co	59	1	He	111.142070	0.7	2269331.333
Ni	60	1	He	111.430718	1.0	557690.523
Cu	63	1	He	112.981156	1.0	1455353.123
Zn	66	1	He	225.986092	1.0	600094.460
As	75	1	He	111.035914	0.8	241692.473
Se	78	2	H2	109.733471	0.3	116875.647
Sr	88	1	He	496.066601	0.3	8851344.450
Mo	95	1	He	114.239806	0.6	919323.347
Pd	105	1	He	20.445468	1.6	232868.397
Ag	107	1	He	48.489989	2.8	1101265.243
Cd	111	1	He	105.993808	1.2	457923.730
Sn	118	1	He	111.016887	0.1	1259478.497
Sb	121	1	He	103.767787	0.9	1535877.057
Ba	138	1	He	234.905677	0.1	8800623.200
Pt	195	1	He	21.276865	0.5	296714.007
Hg	202	1	He	0.025443	55.6	253.340
Tl	205	1	He	106.904154	0.7	5446165.960
Pb	206	1	He	109.362050	0.7	1892084.297
Pb	207	1	He	110.776022	0.0	1601093.937
Pb	208	1	He	110.464376	0.2	7538215.360
Bi	209	1	He	107.505897	0.8	5773090.327
Th	232	1	He	108.232346	0.8	8192121.547
U	238	1	He	108.247272	1.2	8380557.587

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.24630914	1019766.813
Sc	45	2	H2	89.83685636	6021020.333
Ge	72	1	He	90.81683459	614958.437
Ge	72	2	H2	90.71520697	1645440.957
In	115	1	He	88.54422849	6454337.210
Tb	159	1	He	92.75557936	15019186.863
Ir	193	1	He	90.82537471	7100021.143

Sample Name	10607436003_B70205Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	115SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:04:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.207885	21.0	228.000
Be	9	2	H2	0.048452	22.9	38.333
B	11	2	H2	2.371975	26.8	4634.003
Na	23	1	He	1251.040337	1.0	2389011.213
Mg	24	1	He	1243.173704	1.4	1312607.923
Al	27	1	He	16.736461	0.7	9791.260
Si	28	2	H2	189.924848	6.0	864414.103
K	39	1	He	435.210797	0.7	810577.590
Ca	43	1	He	6931.771074	0.5	33394.870
Ca	44	1	He	7136.230460	0.8	575733.890
Ti	47	1	He	0.023501	34.4	15.333
V	51	1	He	0.103007	31.2	-484.440
Cr	52	1	He	0.046761	5.5	1240.050
Mn	55	1	He	1.299646	0.3	15288.487
Fe	56	1	He	0.876843	4.8	28757.463
Co	59	1	He	0.039843	11.5	948.693
Ni	60	1	He	-0.019015		765.353
Cu	63	1	He	0.297797	5.7	4305.197
Zn	66	1	He	6.194335	1.0	17326.373
As	75	1	He	0.095409	11.3	483.843
Se	78	2	H2	0.031901	26.6	54.333
Sr	88	1	He	18.265777	0.9	354856.517
Mo	95	1	He	0.091922	11.5	793.360
Pd	105	1	He	0.004940	76.9	96.667
Ag	107	1	He	0.207036	17.6	6014.453
Cd	111	1	He	0.011326	11.3	56.427
Sn	118	1	He	0.463919	1.5	5899.403
Sb	121	1	He	0.023316	14.2	470.010
Ba	138	1	He	6.464198	0.4	257382.367
Pt	195	1	He	0.005275	68.7	170.003
Hg	202	1	He	0.013112	31.7	176.673
Tl	205	1	He	0.028795	12.5	2333.533
Pb	206	1	He	0.135431	3.5	2585.237
Pb	207	1	He	0.141658	9.8	3158.677
Pb	208	1	He	0.139773	3.1	11423.300
Bi	209	1	He	0.010899	24.1	2240.207
Th	232	1	He	0.013256	4.4	1138.387
U	238	1	He	0.007550	18.6	720.027

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.70108790	1046612.937
Sc	45	2	H2	97.00555516	6501478.833
Ge	72	1	He	94.46186322	639640.437
Ge	72	2	H2	97.81640542	1774246.293
In	115	1	He	96.34819228	7023198.837
Tb	159	1	He	98.51978804	15952540.177
Ir	193	1	He	97.86178575	7650073.013

Sample Name	4323804_B70205Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	116SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:08:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	87.828096	4.5	64963.983
Be	9	2	H2	87.458874	3.2	55107.360
B	11	2	H2	86.236725	3.4	59939.907
Na	23	1	He	3505.327009	5.2	6253270.740
Mg	24	1	He	3497.262398	4.8	3460164.113
Al	27	1	He	2220.245870	3.8	1189186.043
Si	28	2	H2	1300.011936	4.9	5578126.667
K	39	1	He	2662.737596	4.9	4040090.253
Ca	43	1	He	9417.713252	3.7	42597.623
Ca	44	1	He	9651.019731	3.8	731001.683
Ti	47	1	He	83.821100	5.8	40673.163
V	51	1	He	89.888440	3.8	1030750.753
Cr	52	1	He	90.912198	3.9	1248562.750
Mn	55	1	He	91.048104	4.0	945171.937
Fe	56	1	He	1146.252719	4.7	14399472.333
Co	59	1	He	90.436774	5.1	1826596.330
Ni	60	1	He	90.661337	4.1	449105.197
Cu	63	1	He	92.639520	4.0	1180816.127
Zn	66	1	He	95.533317	3.9	251143.287
As	75	1	He	87.093764	3.9	187642.860
Se	78	2	H2	84.798165	0.5	93030.207
Sr	88	1	He	103.075477	2.6	1853390.230
Mo	95	1	He	90.200992	3.9	718261.913
Pd	105	1	He	88.257608	2.4	1012896.390
Ag	107	1	He	44.183631	1.8	1011788.267
Cd	111	1	He	86.618152	2.7	377075.677
Sn	118	1	He	85.922034	3.7	982036.600
Sb	121	1	He	84.883237	1.9	1266137.170
Ba	138	1	He	92.999389	3.5	3510215.883
Pt	195	1	He	87.742136	4.1	1232248.653
Hg	202	1	He	0.006820	14.5	123.333
Tl	205	1	He	44.546686	3.7	2286594.237
Pb	206	1	He	89.689948	3.5	1563308.517
Pb	207	1	He	90.102615	3.2	1312243.813
Pb	208	1	He	89.155935	3.8	6129131.760
Bi	209	1	He	92.139725	4.3	4983958.053
Th	232	1	He	88.055802	3.7	6733186.567
U	238	1	He	86.847423	3.5	6793075.733

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	89.94975373	983714.793
Sc	45	2	H2	92.55069314	6202906.333
Ge	72	1	He	89.95715159	609137.167
Ge	72	2	H2	93.43442014	1694763.500
In	115	1	He	89.26516337	6506888.990
Tb	159	1	He	93.53204535	15144913.940
Ir	193	1	He	91.82663624	7178291.980

Sample Name	4323805_B70205Dx100
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	117SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:11:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.102968	25.9	144.667
Be	9	2	H2	0.039013	21.4	31.667
B	11	2	H2	1.007774	19.3	3633.743
Na	23	1	He	252.652055	0.2	490162.287
Mg	24	1	He	252.484924	0.9	266027.853
Al	27	1	He	4.369934	4.2	2704.203
Si	28	2	H2	38.994701	5.2	184628.260
K	39	1	He	94.317756	2.4	272549.350
Ca	43	1	He	1417.146057	1.2	6751.557
Ca	44	1	He	1460.152518	0.6	116495.967
Ti	47	1	He	0.016058	92.8	11.333
V	51	1	He	0.045922	173.0	-1168.990
Cr	52	1	He	0.030595	12.4	991.363
Mn	55	1	He	0.213331	2.5	3247.633
Fe	56	1	He	0.299460	2.4	20780.620
Co	59	1	He	0.010125	16.0	314.667
Ni	60	1	He	-0.095305		365.340
Cu	63	1	He	0.115582	3.4	1847.437
Zn	66	1	He	1.251900	3.1	3646.383
As	75	1	He	0.010503	68.7	289.167
Se	78	2	H2	0.010038	71.6	28.667
Sr	88	1	He	3.724136	2.0	71446.130
Mo	95	1	He	0.026931	17.4	246.670
Pd	105	1	He	0.005334	70.4	100.000
Ag	107	1	He	0.187420	22.1	5444.267
Cd	111	1	He	0.010113	47.0	49.923
Sn	118	1	He	0.199369	2.6	2595.217
Sb	121	1	He	0.010403	4.5	258.337
Ba	138	1	He	1.318100	2.4	52225.520
Pt	195	1	He	0.005343	20.6	170.000
Hg	202	1	He	0.007894	40.9	136.667
Tl	205	1	He	0.045986	19.6	3240.363
Pb	206	1	He	0.036069	21.4	755.027
Pb	207	1	He	0.031221	16.8	1453.420
Pb	208	1	He	0.034486	5.4	3766.870
Bi	209	1	He	0.003412	80.7	1800.143
Th	232	1	He	0.008143	8.1	718.357
U	238	1	He	0.004439	16.6	458.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.52483768	1033749.147
Sc	45	2	H2	95.60080153	6407329.833
Ge	72	1	He	93.59534659	633772.893
Ge	72	2	H2	96.08857165	1742905.920
In	115	1	He	94.91312720	6918591.297
Tb	159	1	He	97.81864627	15839009.763
Ir	193	1	He	97.48180737	7620369.260

Sample Name	10607436004_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	118SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:15:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.808999	3.6	2737.867
Be	9	2	H2	0.053948	20.1	38.167
B	11	2	H2	27.128251	8.0	19814.220
Na	23	1	He	41976.85281	0.5	75906505.537
Mg	24	1	He	40392.53735	1.1	40566484.397
Al	27	1	He	591.916164	0.5	322180.553
Si	28	2	H2	6273.567469	7.0	25586334.667
K	39	1	He	13617.05151	0.2	20488185.527
Ca	43	1	He	228230.5424	0.1	1048251.353
Ca	44	1	He	228856.0994	1.3	17601500.440
Ti	47	1	He	0.188401	16.6	96.000
V	51	1	He	2.568814	6.1	28310.630
Cr	52	1	He	0.980720	6.9	14208.933
Mn	55	1	He	46.530659	0.4	491072.227
Fe	56	1	He	10.793249	0.7	153848.650
Co	59	1	He	1.238757	0.8	24492.583
Ni	60	1	He	2.530018	1.6	12996.030
Cu	63	1	He	6.101134	0.9	76085.050
Zn	66	1	He	6.575195	2.0	17041.423
As	75	1	He	3.171392	1.4	6899.833
Se	78	2	H2	0.792425	2.8	841.353
Sr	88	1	He	637.522002	0.5	11302559.830
Mo	95	1	He	2.976430	1.9	23122.063
Pd	105	1	He	0.103234	13.2	1200.063
Ag	107	1	He	0.054770	6.9	2055.147
Cd	111	1	He	0.066024	10.4	286.407
Sn	118	1	He	0.111929	3.5	1420.073
Sb	121	1	He	0.579236	2.6	8605.587
Ba	138	1	He	216.963243	0.7	8195747.583
Pt	195	1	He	0.009402	47.6	220.007
Hg	202	1	He	0.023811	45.6	243.340
Tl	205	1	He	0.067429	5.0	4198.937
Pb	206	1	He	0.051086	3.8	983.377
Pb	207	1	He	0.038188	21.6	1491.750
Pb	208	1	He	0.046909	7.5	4456.937
Bi	209	1	He	0.007587	38.4	1946.830
Th	232	1	He	0.008257	7.6	683.353
U	238	1	He	0.041728	6.5	3340.387

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.26499284	998098.603
Sc	45	2	H2	88.06320488	5902147.167
Ge	72	1	He	87.60662696	593220.790
Ge	72	2	H2	88.71261047	1609116.790
In	115	1	He	87.97889193	6413127.603
Tb	159	1	He	93.52833989	15144313.943
Ir	193	1	He	91.57779460	7158839.477

Sample Name	10607436004_B70205Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	119SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:18:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.250966	4.6	256.000
Be	9	2	H2	0.023888	10.5	21.667
B	11	2	H2	1.490391	25.0	3950.490
Na	23	1	He	2151.100099	2.7	3936809.523
Mg	24	1	He	2110.222991	2.5	2139640.073
Al	27	1	He	31.130814	2.9	17304.040
Si	28	2	H2	336.611422	4.6	1493907.957
K	39	1	He	724.940277	2.8	1216031.673
Ca	43	1	He	11593.67671	3.0	53682.287
Ca	44	1	He	11907.26174	2.5	923378.877
Ti	47	1	He	0.035497	19.9	20.667
V	51	1	He	0.119343	59.7	-286.227
Cr	52	1	He	0.056098	10.0	1322.720
Mn	55	1	He	2.359446	2.6	25951.903
Fe	56	1	He	0.604996	7.5	24152.763
Co	59	1	He	0.064174	3.5	1406.727
Ni	60	1	He	0.014809	84.3	902.693
Cu	63	1	He	0.765807	3.5	10148.887
Zn	66	1	He	1.547918	5.3	4315.870
As	75	1	He	0.158296	6.2	601.010
Se	78	2	H2	0.044259	18.0	67.000
Sr	88	1	He	31.228692	2.2	581737.737
Mo	95	1	He	0.154942	8.7	1266.727
Pd	105	1	He	0.010653	45.3	160.003
Ag	107	1	He	0.018555	48.3	1298.397
Cd	111	1	He	0.004377	50.0	22.953
Sn	118	1	He	0.124654	12.8	1645.097
Sb	121	1	He	0.030083	10.0	555.017
Ba	138	1	He	10.942412	2.4	423424.357
Pt	195	1	He	0.003262	57.6	136.667
Hg	202	1	He	0.005882	117.5	120.003
Tl	205	1	He	0.000887	75.8	800.030
Pb	206	1	He	0.303554	5.8	5514.337
Pb	207	1	He	0.321387	6.8	5751.103
Pb	208	1	He	0.311492	0.9	23206.690
Bi	209	1	He	0.002420	99.4	1706.803
Th	232	1	He	0.001777	45.1	196.670
U	238	1	He	0.002562	12.1	295.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.03819035	1006554.500
Sc	45	2	H2	95.14989544	6377109.333
Ge	72	1	He	90.70942522	614231.123
Ge	72	2	H2	95.74925244	1736751.167
In	115	1	He	92.43654072	6738063.163
Tb	159	1	He	95.80170023	15512421.437
Ir	193	1	He	95.26335896	7446948.223

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	120_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:22:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	84.223470	5.4	61409.840
Be	9	2	H2	84.102949	4.2	52243.080
B	11	2	H2	82.179231	4.7	56439.103
Na	23	1	He	2063.816924	0.8	3757307.443
Mg	24	1	He	2061.273025	0.4	2078680.127
Al	27	1	He	2013.307907	0.7	1098098.790
Si	28	2	H2	1024.286914	5.5	4334461.333
K	39	1	He	2028.870836	0.5	3164621.727
Ca	43	1	He	2009.361700	1.9	9262.040
Ca	44	1	He	2005.958061	0.5	154854.940
Ti	47	1	He	77.134784	1.4	38133.707
V	51	1	He	82.295672	1.5	960793.320
Cr	52	1	He	83.172473	0.7	1163261.707
Mn	55	1	He	84.215825	0.7	890352.083
Fe	56	1	He	1047.366849	0.7	13402800.667
Co	59	1	He	84.443946	0.7	1725382.710
Ni	60	1	He	85.117103	0.9	426493.720
Cu	63	1	He	87.285496	0.8	1125219.877
Zn	66	1	He	82.743415	0.2	220006.280
As	75	1	He	79.540407	0.1	173327.947
Se	78	2	H2	79.845186	1.1	86229.850
Sr	88	1	He	76.310874	0.3	1403794.197
Mo	95	1	He	82.601649	0.5	665170.930
Pd	105	1	He	80.030346	1.4	939531.653
Ag	107	1	He	40.452759	4.8	947109.857
Cd	111	1	He	79.991144	1.3	356239.080
Sn	118	1	He	79.556826	0.9	930415.197
Sb	121	1	He	76.447070	0.9	1166376.157
Ba	138	1	He	78.639239	1.0	3042278.077
Pt	195	1	He	80.463821	1.3	1158438.447
Hg	202	1	He	3.601276	3.4	26221.680
Tl	205	1	He	40.182685	1.2	2114182.417
Pb	206	1	He	81.399674	1.5	1454196.020
Pb	207	1	He	84.852583	1.4	1266600.840
Pb	208	1	He	82.509038	1.1	5814259.313
Bi	209	1	He	84.199317	0.9	4669237.640
Th	232	1	He	79.299864	0.2	6281184.490
U	238	1	He	77.132434	0.7	6249099.907

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.49920219	1000659.980
Sc	45	2	H2	91.26402312	6116671.500
Ge	72	1	He	90.87656460	615362.893
Ge	72	2	H2	91.98556167	1668483.330
In	115	1	He	91.27415965	6653332.633
Tb	159	1	He	95.78155166	15509158.937
Ir	193	1	He	95.04492028	7429872.387

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	121_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:26:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.075518	22.5	117.333
Be	9	2	H2	0.029076	2.8	23.833
B	11	2	H2	0.855961	44.4	3350.360
Na	23	1	He	4.081404	5.0	23131.197
Mg	24	1	He	-2.237471		1011.703
Al	27	1	He	0.187901	67.6	326.003
Si	28	2	H2	-0.061810		11306.933
K	39	1	He	8.336838	5.4	130464.180
Ca	43	1	He	2.107319	90.7	18.977
Ca	44	1	He	2.212497	52.7	332.597
Ti	47	1	He	0.006416	173.6	6.000
V	51	1	He	0.057716	111.6	-962.193
Cr	52	1	He	0.002399	149.8	546.677
Mn	55	1	He	-0.065458		192.667
Fe	56	1	He	-0.075489		14819.423
Co	59	1	He	-0.000153		92.667
Ni	60	1	He	-0.126176		194.000
Cu	63	1	He	0.009207	23.9	409.343
Zn	66	1	He	0.018793	87.9	256.667
As	75	1	He	-0.003368		242.833
Se	78	2	H2	0.002873	209.8	19.667
Sr	88	1	He	0.002386	38.8	255.003
Mo	95	1	He	0.009803	43.4	98.333
Pd	105	1	He	0.006925	49.9	113.333
Ag	107	1	He	0.192563	16.0	5285.873
Cd	111	1	He	0.003100	41.7	16.637
Sn	118	1	He	0.033174	10.2	545.013
Sb	121	1	He	0.003181	124.2	136.667
Ba	138	1	He	0.009251	26.4	495.010
Pt	195	1	He	0.004286	89.4	146.670
Hg	202	1	He	0.032052	42.0	300.007
Tl	205	1	He	0.044145	17.7	2978.647
Pb	206	1	He	0.006754	51.4	208.337
Pb	207	1	He	0.000435	1022.7	933.370
Pb	208	1	He	0.005972	25.8	1625.050
Bi	209	1	He	0.003643	67.9	1716.803
Th	232	1	He	0.005081	7.9	448.343
U	238	1	He	0.001886	34.1	235.000

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.49006013	967751.190
Sc	45	2	H2	90.75227855	6082373.500
Ge	72	1	He	87.99230512	595832.377
Ge	72	2	H2	91.62518748	1661946.670
In	115	1	He	90.05686600	6564599.310
Tb	159	1	He	92.66430350	15004407.277
Ir	193	1	He	92.99866381	7269911.977

Sample Name	4322831_B70209Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	122SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:29:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.045797	36.6	100.167
Be	9	2	H2	0.026108	34.5	23.000
B	11	2	H2	0.056553	335.3	2960.290
Na	23	1	He	4.705374	1.9	25317.353
Mg	24	1	He	0.173104	32.5	3510.367
Al	27	1	He	2.471324	3.0	1599.407
Si	28	2	H2	1.427609	17.0	18349.137
K	39	1	He	5.316563	17.4	131771.587
Ca	43	1	He	8.955677	12.7	51.697
Ca	44	1	He	9.939003	8.9	949.970
Ti	47	1	He	0.059252	28.5	32.667
V	51	1	He	0.034578	362.1	-1273.753
Cr	52	1	He	0.284902	3.2	4563.253
Mn	55	1	He	-0.022742		657.347
Fe	56	1	He	2.454818	0.7	48175.820
Co	59	1	He	0.003296	59.7	165.333
Ni	60	1	He	-0.103177		314.000
Cu	63	1	He	0.018589	14.6	541.343
Zn	66	1	He	1.339596	3.4	3757.737
As	75	1	He	-0.001389		253.833
Se	78	2	H2	0.010151	37.4	28.333
Sr	88	1	He	0.016116	14.1	525.013
Mo	95	1	He	0.007151	39.8	80.000
Pd	105	1	He	0.003775	37.4	80.000
Ag	107	1	He	0.037469	19.4	1775.107
Cd	111	1	He	0.006609	94.3	33.310
Sn	118	1	He	0.079856	7.3	1128.380
Sb	121	1	He	0.022610	10.0	446.677
Ba	138	1	He	0.010786	26.7	575.017
Pt	195	1	He	0.009633	38.6	230.007
Hg	202	1	He	0.019580	36.1	220.007
Tl	205	1	He	0.006815	15.0	1120.053
Pb	206	1	He	0.009914	39.0	273.337
Pb	207	1	He	0.011472	46.8	1136.720
Pb	208	1	He	0.010596	16.9	2018.410
Bi	209	1	He	0.003696	93.1	1790.150
Th	232	1	He	0.003201	14.5	316.673
U	238	1	He	0.001073	22.1	178.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.48275661	1011416.397
Sc	45	2	H2	94.81757529	6354836.667
Ge	72	1	He	90.49237309	612761.373
Ge	72	2	H2	94.58854018	1715697.547
In	115	1	He	93.78407414	6836290.177
Tb	159	1	He	96.44863901	15617175.183
Ir	193	1	He	97.31457516	7607296.347

Sample Name	4322832_B70209Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	123SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:33:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	113.470669	10.5	77001.003
Be	9	2	H2	113.034961	10.4	65373.397
B	11	2	H2	110.833756	8.7	70081.460
Na	23	1	He	2119.019028	0.3	3814780.983
Mg	24	1	He	2101.195233	0.9	2095501.947
Al	27	1	He	2057.631509	0.3	1109884.420
Si	28	2	H2	561.736277	8.6	2221516.043
K	39	1	He	2095.816425	0.3	3228929.637
Ca	43	1	He	2079.905116	0.9	9481.400
Ca	44	1	He	2049.291107	1.5	156441.223
Ti	47	1	He	96.592335	0.9	47226.837
V	51	1	He	104.836014	0.7	1210900.967
Cr	52	1	He	106.569785	0.5	1473901.710
Mn	55	1	He	105.337494	0.3	1101143.293
Fe	56	1	He	2135.838671	0.6	27013390.000
Co	59	1	He	108.046631	1.3	2196053.333
Ni	60	1	He	108.475525	0.5	540448.373
Cu	63	1	He	108.503230	0.5	1391314.667
Zn	66	1	He	106.392660	0.4	281344.060
As	75	1	He	102.976023	0.8	223143.000
Se	78	2	H2	110.612466	12.4	110738.093
Sr	88	1	He	100.058494	1.4	1798708.827
Mo	95	1	He	105.517716	0.2	845269.260
Pd	105	1	He	21.112672	0.9	242255.147
Ag	107	1	He	50.029028	3.3	1144796.260
Cd	111	1	He	103.200740	0.6	449167.220
Sn	118	1	He	99.582710	1.1	1138150.557
Sb	121	1	He	99.499737	0.9	1483561.330
Ba	138	1	He	101.298915	1.6	3850166.090
Pt	195	1	He	20.789882	1.0	294142.450
Hg	202	1	He	0.021230	16.8	226.673
Tl	205	1	He	106.432188	1.6	5500723.043
Pb	206	1	He	107.875677	1.7	1893385.703
Pb	207	1	He	106.836130	2.4	1566498.413
Pb	208	1	He	106.760180	1.9	7390873.640
Bi	209	1	He	107.694321	1.1	5867221.163
Th	232	1	He	104.432941	0.9	8211670.087
U	238	1	He	99.884210	1.2	8033477.383

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.48731118	989593.667
Sc	45	2	H2	85.84774885	5753663.500
Ge	72	1	He	90.40127937	612144.540
Ge	72	2	H2	86.11634695	1562024.373
In	115	1	He	89.19846093	6502026.787
Tb	159	1	He	94.10636952	15237909.770
Ir	193	1	He	94.35645644	7376053.640

Sample Name	92603477004_B70209Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	124SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:36:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.427048	6.0	380.000
Be	9	2	H2	0.027442	20.3	23.333
B	11	2	H2	41.287488	5.5	30244.870
Na	23	1	He	9445.377178	0.8	16965697.250
Mg	24	1	He	680.027981	0.5	681109.420
Al	27	1	He	179.172519	1.0	96962.080
Si	28	2	H2	1086.616631	2.4	4670786.333
K	39	1	He	2623.756859	0.5	4016120.877
Ca	43	1	He	2041.539216	0.5	9316.610
Ca	44	1	He	2105.859750	0.1	160935.280
Ti	47	1	He	4.032179	21.7	1976.887
V	51	1	He	0.282464	16.1	1618.837
Cr	52	1	He	0.567674	0.8	8383.297
Mn	55	1	He	13.437764	0.5	141390.313
Fe	56	1	He	396.734289	0.9	5036177.833
Co	59	1	He	0.149200	6.3	3092.947
Ni	60	1	He	0.500488	6.3	3276.977
Cu	63	1	He	6.590364	0.2	83767.600
Zn	66	1	He	113.311000	0.6	296006.650
As	75	1	He	0.089544	8.5	445.010
Se	78	2	H2	0.149197	7.7	178.667
Sr	88	1	He	7.959808	1.3	147670.287
Mo	95	1	He	0.592222	6.5	4709.010
Pd	105	1	He	0.003336	76.2	73.333
Ag	107	1	He	0.280557	16.0	7471.690
Cd	111	1	He	0.035030	6.4	160.253
Sn	118	1	He	1.079939	0.5	12884.923
Sb	121	1	He	0.216879	3.1	3423.707
Ba	138	1	He	8.908369	0.8	346537.403
Pt	195	1	He	0.005543	55.4	170.003
Hg	202	1	He	0.015516	36.5	190.003
Tl	205	1	He	0.054957	32.6	3663.807
Pb	206	1	He	0.559959	0.9	10149.987
Pb	207	1	He	0.554422	4.7	9276.100
Pb	208	1	He	0.560337	1.5	40945.670
Bi	209	1	He	1.633181	1.6	92594.360
Th	232	1	He	0.011914	17.7	1015.063
U	238	1	He	0.013249	6.6	1180.057

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.58501146	990662.143
Sc	45	2	H2	92.72913530	6214865.833
Ge	72	1	He	89.30908759	604748.857
Ge	72	2	H2	92.42969898	1676539.330
In	115	1	He	91.93508949	6701510.410
Tb	159	1	He	96.27419051	15588928.100
Ir	193	1	He	96.65940849	7556080.513

Sample Name	4323874_B70209Dx25
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	125SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:40:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.113998	22.2	145.000
Be	9	2	H2	0.023196	16.3	20.167
B	11	2	H2	8.628603	9.0	8382.040
Na	23	1	He	1901.752571	1.1	3389846.720
Mg	24	1	He	137.988154	1.5	139205.970
Al	27	1	He	36.562210	1.9	19742.830
Si	28	2	H2	215.417219	5.2	913941.313
K	39	1	He	542.439793	1.0	915863.607
Ca	43	1	He	423.323256	1.4	1917.447
Ca	44	1	He	425.224013	1.8	32262.033
Ti	47	1	He	1.024398	13.3	498.707
V	51	1	He	0.170203	25.2	317.043
Cr	52	1	He	0.101226	5.0	1905.443
Mn	55	1	He	2.628223	2.2	28039.690
Fe	56	1	He	80.684504	1.0	1025229.647
Co	59	1	He	0.030781	8.5	708.017
Ni	60	1	He	0.005606	187.2	836.020
Cu	63	1	He	1.319434	0.8	16840.573
Zn	66	1	He	22.647300	1.4	58740.933
As	75	1	He	0.004649	179.0	260.833
Se	78	2	H2	0.037146	17.8	56.333
Sr	88	1	He	1.580369	1.2	29317.900
Mo	95	1	He	0.123305	15.8	988.370
Pd	105	1	He	0.003101	47.6	70.000
Ag	107	1	He	0.066963	5.8	2420.190
Cd	111	1	He	0.008221	62.4	39.703
Sn	118	1	He	0.296641	9.4	3637.100
Sb	121	1	He	0.048457	2.6	830.030
Ba	138	1	He	1.775260	1.2	67579.397
Pt	195	1	He	0.006543	52.0	180.003
Hg	202	1	He	0.005333	83.2	113.333
Tl	205	1	He	0.002935	22.2	891.703
Pb	206	1	He	0.117660	3.5	2156.837
Pb	207	1	He	0.116817	9.1	2651.910
Pb	208	1	He	0.116490	0.2	9294.410
Bi	209	1	He	0.333399	1.4	19692.427
Th	232	1	He	0.004124	9.7	378.343
U	238	1	He	0.003365	14.3	356.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	89.55093372	979353.190
Sc	45	2	H2	90.59534931	6071855.833
Ge	72	1	He	88.42106191	598735.667
Ge	72	2	H2	91.27816588	1655652.207
In	115	1	He	91.38500147	6661412.330
Tb	159	1	He	94.04994069	15228772.690
Ir	193	1	He	94.16019904	7360711.763

Sample Name	4322833_B70209Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	126SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:43:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	23.640465	3.5	17368.320
Be	9	2	H2	23.307895	4.1	14557.790
B	11	2	H2	65.966153	4.7	46100.920
Na	23	1	He	10139.40111	1.4	18420379.727
Mg	24	1	He	1173.664931	1.5	1186648.993
Al	27	1	He	660.108331	0.6	360711.173
Si	28	2	H2	1271.778418	7.0	5409150.000
K	39	1	He	3142.169749	0.8	4840859.200
Ca	43	1	He	2568.516942	1.5	11853.727
Ca	44	1	He	2630.899602	0.8	203331.510
Ti	47	1	He	23.879135	1.7	11823.917
V	51	1	He	23.778382	1.7	276815.683
Cr	52	1	He	24.033790	0.7	337008.967
Mn	55	1	He	37.190594	1.1	394245.187
Fe	56	1	He	857.646574	1.2	10993304.000
Co	59	1	He	24.507071	0.7	497386.530
Ni	60	1	He	24.924398	0.6	124616.663
Cu	63	1	He	31.423517	0.1	402519.627
Zn	66	1	He	141.101123	0.2	372467.790
As	75	1	He	22.792109	0.1	49512.287
Se	78	2	H2	22.405823	1.9	24137.333
Sr	88	1	He	30.379572	0.5	558183.493
Mo	95	1	He	24.037275	1.2	192265.127
Pd	105	1	He	2.765764	2.3	32454.497
Ag	107	1	He	10.465001	3.8	245357.430
Cd	111	1	He	22.641476	1.0	100695.763
Sn	118	1	He	17.626361	0.8	205971.803
Sb	121	1	He	21.572411	1.0	328745.023
Ba	138	1	He	32.622753	1.4	1257219.253
Pt	195	1	He	4.338624	0.4	62303.717
Hg	202	1	He	0.024010	30.2	250.010
Tl	205	1	He	22.742115	2.0	1192225.113
Pb	206	1	He	23.883165	1.7	425068.353
Pb	207	1	He	23.936982	1.8	356596.570
Pb	208	1	He	23.752446	1.3	1668155.273
Bi	209	1	He	25.836093	1.1	1428228.783
Th	232	1	He	4.080656	7.8	325480.067
U	238	1	He	21.336790	1.9	1740263.207

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.63092748	1002100.563
Sc	45	2	H2	91.70400489	6146159.833
Ge	72	1	He	90.25907619	611181.623
Ge	72	2	H2	91.70845605	1663457.040
In	115	1	He	91.14234214	6643723.937
Tb	159	1	He	95.40591858	15448335.603
Ir	193	1	He	95.68604744	7479990.720

Sample Name	4322834_B70209Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	127SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:47:32
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	21.119119	4.9	15543.567
Be	9	2	H2	20.803346	4.1	13008.990
B	11	2	H2	58.700326	2.7	41373.013
Na	23	1	He	9232.740128	1.2	16718018.083
Mg	24	1	He	1051.847663	0.7	1060244.230
Al	27	1	He	579.988438	0.7	315883.800
Si	28	2	H2	1096.189574	4.1	4666927.167
K	39	1	He	2842.272810	1.3	4375530.143
Ca	43	1	He	2334.045227	1.0	10736.213
Ca	44	1	He	2375.411275	1.1	182983.917
Ti	47	1	He	23.283555	6.0	11488.093
V	51	1	He	21.323617	1.7	247220.683
Cr	52	1	He	21.644355	0.5	302520.893
Mn	55	1	He	33.480697	0.7	353802.810
Fe	56	1	He	765.013443	0.9	9774584.000
Co	59	1	He	21.866109	0.7	442555.353
Ni	60	1	He	22.305883	0.8	111298.600
Cu	63	1	He	28.295409	1.1	361443.957
Zn	66	1	He	127.727734	0.6	336237.260
As	75	1	He	20.544302	1.2	44526.400
Se	78	2	H2	20.001846	1.0	21743.920
Sr	88	1	He	27.192817	0.4	503289.300
Mo	95	1	He	21.599148	1.3	172273.363
Pd	105	1	He	2.064977	0.4	24417.747
Ag	107	1	He	9.564138	3.7	225930.463
Cd	111	1	He	19.866140	1.6	88996.813
Sn	118	1	He	16.004391	2.0	188394.450
Sb	121	1	He	19.065302	1.3	292652.577
Ba	138	1	He	28.786051	0.7	1111532.977
Pt	195	1	He	3.798567	1.7	54659.483
Hg	202	1	He	0.061653	9.3	523.353
Tl	205	1	He	20.472455	0.7	1075444.123
Pb	206	1	He	21.332258	1.9	380385.957
Pb	207	1	He	21.139989	1.4	315635.263
Pb	208	1	He	21.113421	1.2	1485787.903
Bi	209	1	He	22.562327	0.9	1249915.660
Th	232	1	He	3.845865	8.1	305590.703
U	238	1	He	19.241373	0.3	1564207.630

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.31965438	998696.397
Sc	45	2	H2	91.82987205	6154595.667
Ge	72	1	He	90.00637222	609470.460
Ge	72	2	H2	92.53850526	1678512.917
In	115	1	He	91.80736642	6692200.173
Tb	159	1	He	95.59487507	15478931.853
Ir	193	1	He	95.36422062	7454832.803

Sample Name	92603477005_B70209Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	128SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:51:07
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.220184	3.2	959.360
Be	9	2	H2	0.020123	21.1	18.500
B	11	2	H2	203.937189	4.8	137064.447
Na	23	1	He	43903.65024	0.8	79442880.483
Mg	24	1	He	2032.429747	0.5	2045763.357
Al	27	1	He	71.765430	2.4	39294.360
Si	28	2	H2	4472.085792	5.9	19051599.333
K	39	1	He	10157.85569	0.9	15324534.770
Ca	43	1	He	7993.743050	1.1	36748.327
Ca	44	1	He	8213.571420	0.7	632321.773
Ti	47	1	He	2.081263	61.5	1031.927
V	51	1	He	0.383355	42.8	2808.710
Cr	52	1	He	0.544207	3.6	8123.833
Mn	55	1	He	43.114877	0.4	455393.447
Fe	56	1	He	83.275508	1.4	1078653.667
Co	59	1	He	0.366320	1.5	7505.587
Ni	60	1	He	1.127043	3.3	6399.827
Cu	63	1	He	2.020048	1.2	26066.187
Zn	66	1	He	78.362827	1.1	206227.990
As	75	1	He	0.142226	2.1	561.677
Se	78	2	H2	0.111991	5.7	139.000
Sr	88	1	He	31.391889	0.8	575957.010
Mo	95	1	He	0.688775	3.9	5512.583
Pd	105	1	He	0.002550	83.4	63.333
Ag	107	1	He	0.142011	12.8	4160.550
Cd	111	1	He	0.000824	209.9	6.680
Sn	118	1	He	0.443500	7.1	5334.220
Sb	121	1	He	0.368654	3.2	5697.680
Ba	138	1	He	11.304710	1.0	434387.523
Pt	195	1	He	0.009675	67.2	226.677
Hg	202	1	He	0.008415	20.9	136.667
Tl	205	1	He	0.034665	30.5	2556.900
Pb	206	1	He	0.182902	18.5	3338.233
Pb	207	1	He	0.152694	7.4	3213.687
Pb	208	1	He	0.157879	5.7	12294.680
Bi	209	1	He	0.215780	3.4	13439.280
Th	232	1	He	0.006914	17.5	598.353
U	238	1	He	0.004028	15.8	410.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.32603956	998766.227
Sc	45	2	H2	91.97245270	6164151.667
Ge	72	1	He	89.95052422	609092.290
Ge	72	2	H2	92.96797545	1686302.877
In	115	1	He	91.01565117	6634488.933
Tb	159	1	He	95.10830908	15400146.020
Ir	193	1	He	94.30602292	7372111.140

Sample Name	92603492004_B70209Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	129SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:54:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.356405	13.0	330.333
Be	9	2	H2	0.017269	28.0	17.000
B	11	2	H2	39.468485	5.6	29256.710
Na	23	1	He	11928.60007	1.3	21848996.343
Mg	24	1	He	709.242290	0.3	724447.747
Al	27	1	He	207.633292	1.4	114564.317
Si	28	2	H2	1094.923086	5.3	4743411.833
K	39	1	He	2639.147165	1.0	4119556.397
Ca	43	1	He	2382.824773	1.5	11089.057
Ca	44	1	He	2408.197728	1.8	187678.157
Ti	47	1	He	2.655611	18.4	1329.450
V	51	1	He	0.366435	29.8	2636.803
Cr	52	1	He	0.640181	3.2	9573.210
Mn	55	1	He	15.455411	0.9	165731.007
Fe	56	1	He	307.390807	1.2	3983570.917
Co	59	1	He	0.139692	1.1	2952.917
Ni	60	1	He	0.579684	3.5	3730.403
Cu	63	1	He	11.707975	1.3	151185.033
Zn	66	1	He	66.636434	1.2	177214.863
As	75	1	He	0.092997	7.9	460.343
Se	78	2	H2	0.121438	3.4	151.000
Sr	88	1	He	9.675354	0.4	182137.777
Mo	95	1	He	0.603845	3.6	4885.727
Pd	105	1	He	0.000758	168.5	43.333
Ag	107	1	He	0.101157	5.5	3288.677
Cd	111	1	He	0.045499	12.4	210.200
Sn	118	1	He	1.134568	3.4	13728.927
Sb	121	1	He	0.199104	0.8	3197.000
Ba	138	1	He	8.525613	1.5	334404.537
Pt	195	1	He	0.004777	68.8	160.003
Hg	202	1	He	0.013885	24.1	180.003
Tl	205	1	He	0.011807	39.2	1393.410
Pb	206	1	He	0.510348	4.6	9332.797
Pb	207	1	He	0.525740	3.0	8919.233
Pb	208	1	He	0.513668	3.5	37945.907
Bi	209	1	He	1.984000	1.8	113057.603
Th	232	1	He	0.004047	9.8	381.677
U	238	1	He	0.029089	6.2	2480.223

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.39692783	1010477.750
Sc	45	2	H2	93.43712970	6262316.833
Ge	72	1	He	90.87663549	615363.373
Ge	72	2	H2	93.99799469	1704985.917
In	115	1	He	93.30622881	6801458.150
Tb	159	1	He	97.07905751	15719253.930
Ir	193	1	He	96.52714176	7545740.930

Sample Name	92603492005_B70209Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	130SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:58:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.657016	3.9	4221.143
Be	9	2	H2	0.014751	20.4	15.167
B	11	2	H2	235.973223	5.8	158345.233
Na	23	1	He	77910.84836	1.1	142598654.540
Mg	24	1	He	14593.46623	0.3	14839586.447
Al	27	1	He	97.339525	2.9	53824.853
Si	28	2	H2	5339.258814	8.1	22776978.667
K	39	1	He	16384.26263	0.5	24929586.297
Ca	43	1	He	15233.57389	0.8	70836.033
Ca	44	1	He	15483.96125	1.1	1205690.037
Ti	47	1	He	2.714113	13.0	1356.753
V	51	1	He	1.688495	3.3	18258.883
Cr	52	1	He	2.251160	1.2	32311.350
Mn	55	1	He	33.200177	0.7	354956.843
Fe	56	1	He	248.712209	0.6	3226081.000
Co	59	1	He	0.584836	2.5	11930.640
Ni	60	1	He	3.963179	1.1	20452.250
Cu	63	1	He	13.785749	1.1	176267.440
Zn	66	1	He	159.221969	0.6	419121.363
As	75	1	He	1.301454	0.9	3060.267
Se	78	2	H2	0.353097	7.8	404.010
Sr	88	1	He	55.387747	0.6	996986.963
Mo	95	1	He	2.175611	3.4	17368.710
Pd	105	1	He	0.014833	28.9	203.340
Ag	107	1	He	0.041107	7.9	1773.440
Cd	111	1	He	0.050147	5.7	221.453
Sn	118	1	He	0.621080	3.1	7266.607
Sb	121	1	He	1.180939	2.8	17717.657
Ba	138	1	He	7.485382	0.9	287294.423
Pt	195	1	He	0.013637	15.1	283.343
Hg	202	1	He	0.015833	31.2	190.010
Tl	205	1	He	0.000532	157.7	775.027
Pb	206	1	He	0.228753	2.6	4145.580
Pb	207	1	He	0.232394	7.0	4387.317
Pb	208	1	He	0.232436	1.4	17485.487
Bi	209	1	He	1.301588	1.5	73110.937
Th	232	1	He	0.008080	11.7	683.360
U	238	1	He	0.038366	3.8	3138.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.38955573	1010397.127
Sc	45	2	H2	92.06952323	6170657.500
Ge	72	1	He	90.01506957	609529.353
Ge	72	2	H2	93.42744126	1694636.913
In	115	1	He	89.30755743	6509979.260
Tb	159	1	He	94.97437386	15378458.937
Ir	193	1	He	93.36241465	7298347.187

Sample Name	92603407002_B70209Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	131SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:02:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.228127	2.3	238.167
Be	9	2	H2	0.007733	107.9	11.167
B	11	2	H2	9.330272	5.8	9262.470
Na	23	1	He	30813.33009	0.8	57806020.807
Mg	24	1	He	800.358113	1.6	837155.693
Al	27	1	He	18.068154	3.1	10436.000
Si	28	2	H2	647.374081	4.6	2855121.167
K	39	1	He	3470.521759	1.2	5510918.460
Ca	43	1	He	2278.566414	1.1	10865.963
Ca	44	1	He	2356.650549	2.1	188190.110
Ti	47	1	He	1.808272	98.3	933.300
V	51	1	He	-0.003223		-1768.810
Cr	52	1	He	0.659914	1.2	10095.503
Mn	55	1	He	5.705763	1.6	63271.203
Fe	56	1	He	347.898154	0.8	4617570.833
Co	59	1	He	0.038588	8.1	904.693
Ni	60	1	He	0.368886	3.0	2728.883
Cu	63	1	He	10.763969	0.8	141763.510
Zn	66	1	He	95.730751	0.5	259518.347
As	75	1	He	0.048295	15.6	370.167
Se	78	2	H2	0.106570	21.6	136.333
Sr	88	1	He	11.285728	0.6	213789.010
Mo	95	1	He	0.156131	7.7	1305.067
Pd	105	1	He	0.004599	65.2	90.000
Ag	107	1	He	0.138019	3.0	4197.227
Cd	111	1	He	0.007962	47.4	39.610
Sn	118	1	He	0.686822	3.1	8432.177
Sb	121	1	He	0.028842	10.7	545.017
Ba	138	1	He	8.550097	1.1	335986.467
Pt	195	1	He	0.015678	19.0	320.013
Hg	202	1	He	0.011576	70.3	163.337
Tl	205	1	He	-0.004562		521.680
Pb	206	1	He	0.493828	1.0	9052.623
Pb	207	1	He	0.470746	4.1	8102.120
Pb	208	1	He	0.475404	1.8	35283.457
Bi	209	1	He	0.155217	8.8	10336.930
Th	232	1	He	0.002270	16.5	236.667
U	238	1	He	0.002195	10.2	266.673

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.67551916	1035397.040
Sc	45	2	H2	94.93145132	6362468.833
Ge	72	1	He	92.66729383	627488.663
Ge	72	2	H2	95.33156435	1729174.917
In	115	1	He	93.90999074	6845468.733
Tb	159	1	He	97.25059568	15747029.767
Ir	193	1	He	95.61767012	7474645.513

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	132_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:05:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	80.842042	5.5	59563.667
Be	9	2	H2	80.706962	5.3	50663.873
B	11	2	H2	79.178641	3.9	55051.703
Na	23	1	He	2073.150530	1.0	3764571.507
Mg	24	1	He	2061.146189	0.9	2073230.233
Al	27	1	He	2004.203640	1.0	1090341.003
Si	28	2	H2	1002.324118	5.5	4286149.000
K	39	1	He	2050.571828	0.9	3188983.913
Ca	43	1	He	2040.561160	0.6	9382.270
Ca	44	1	He	1999.827380	0.3	153988.993
Ti	47	1	He	77.440124	0.7	38187.827
V	51	1	He	82.540486	0.8	961213.183
Cr	52	1	He	83.079595	0.8	1158997.210
Mn	55	1	He	83.890535	0.7	884655.353
Fe	56	1	He	1046.439708	0.8	13356795.000
Co	59	1	He	83.846078	0.8	1725945.210
Ni	60	1	He	84.294225	0.2	425523.303
Cu	63	1	He	85.943501	0.2	1116174.083
Zn	66	1	He	81.621561	0.3	218645.560
As	75	1	He	79.016335	0.3	173471.967
Se	78	2	H2	78.232161	2.0	84948.537
Sr	88	1	He	76.617905	0.8	1408888.363
Mo	95	1	He	81.877759	0.6	664277.490
Pd	105	1	He	80.526146	0.7	945044.727
Ag	107	1	He	40.705014	3.4	952871.157
Cd	111	1	He	79.656292	1.1	354633.200
Sn	118	1	He	78.707849	0.7	920151.833
Sb	121	1	He	75.837332	0.5	1156665.633
Ba	138	1	He	79.791554	0.9	3064953.393
Pt	195	1	He	80.572509	0.4	1151753.160
Hg	202	1	He	3.559497	0.9	25734.337
Tl	205	1	He	40.073177	0.6	2093507.727
Pb	206	1	He	81.031526	0.3	1437367.737
Pb	207	1	He	85.300353	0.5	1264268.130
Pb	208	1	He	82.634810	0.2	5781873.840
Bi	209	1	He	84.800884	1.7	4669125.033
Th	232	1	He	78.187720	0.3	6210617.407
U	238	1	He	76.558541	0.3	6220212.823

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.26637784	998113.750
Sc	45	2	H2	92.20673000	6179853.333
Ge	72	1	He	91.55490981	619956.250
Ge	72	2	H2	92.48735266	1677585.083
In	115	1	He	91.23844350	6650729.143
Tb	159	1	He	95.09979933	15398768.103
Ir	193	1	He	95.31336074	7450856.973

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	133_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:09:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.034412	29.7	91.667
Be	9	2	H2	0.020035	21.5	19.167
B	11	2	H2	0.116483	68.1	3006.973
Na	23	1	He	4.113073	5.5	24397.830
Mg	24	1	He	-2.385021		913.370
Al	27	1	He	0.308973	34.8	410.340
Si	28	2	H2	0.397327	45.6	13860.610
K	39	1	He	6.909890	3.8	135103.933
Ca	43	1	He	0.606270	106.7	12.920
Ca	44	1	He	0.942155	118.2	250.363
Ti	47	1	He	0.005757	118.9	6.000
V	51	1	He	0.057349	80.2	-1014.620
Cr	52	1	He	-0.001921		514.010
Mn	55	1	He	-0.063105		228.000
Fe	56	1	He	-0.063917		15743.537
Co	59	1	He	0.002306	74.9	147.333
Ni	60	1	He	-0.121352		226.667
Cu	63	1	He	0.008591	54.0	418.673
Zn	66	1	He	0.008291	133.1	239.333
As	75	1	He	-0.003712		252.333
Se	78	2	H2	0.012824	68.0	31.667
Sr	88	1	He	0.003519	18.8	290.007
Mo	95	1	He	0.007834	29.8	86.667
Pd	105	1	He	0.008629	1.0	140.003
Ag	107	1	He	0.226478	10.3	6387.903
Cd	111	1	He	0.006168	62.1	31.640
Sn	118	1	He	0.030839	22.3	545.013
Sb	121	1	He	0.006206	44.9	191.667
Ba	138	1	He	0.013655	12.7	688.357
Pt	195	1	He	0.005248	46.1	166.673
Hg	202	1	He	0.022636	27.3	243.340
Tl	205	1	He	0.037748	20.0	2766.930
Pb	206	1	He	0.007657	42.7	233.340
Pb	207	1	He	-0.001041		951.703
Pb	208	1	He	0.004863	27.9	1616.720
Bi	209	1	He	0.004780	23.0	1856.820
Th	232	1	He	0.010490	8.9	916.703
U	238	1	He	0.004819	27.0	495.013

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.11332840	1018312.500
Sc	45	2	H2	95.07645656	6372187.333
Ge	72	1	He	91.76494126	621378.460
Ge	72	2	H2	95.52943957	1732764.083
In	115	1	He	94.79382839	6909895.137
Tb	159	1	He	96.73827145	15664073.103
Ir	193	1	He	98.44673618	7695799.887

Sample Name	4322600_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	134SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:12:47
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.045622	14.0	98.833
Be	9	2	H2	0.014501	3.1	15.333
B	11	2	H2	0.055161	1123.6	2936.963
Na	23	1	He	3.915244	3.2	23525.037
Mg	24	1	He	0.614092	6.9	3902.123
Al	27	1	He	1.637400	8.4	1123.370
Si	28	2	H2	0.644380	41.6	14760.947
K	39	1	He	7.930304	12.9	133764.433
Ca	43	1	He	0.630915	61.6	12.760
Ca	44	1	He	1.325249	25.7	274.523
Ti	47	1	He	0.019563	47.9	12.667
V	51	1	He	-0.039146		-2120.540
Cr	52	1	He	0.050861	11.8	1238.047
Mn	55	1	He	-0.057066		286.667
Fe	56	1	He	0.727026	5.3	25483.253
Co	59	1	He	-0.000850		80.000
Ni	60	1	He	-0.115977		247.333
Cu	63	1	He	0.031357	7.5	696.687
Zn	66	1	He	0.051224	25.8	345.337
As	75	1	He	0.005546	93.5	265.667
Se	78	2	H2	0.005649	140.3	23.333
Sr	88	1	He	0.001042	275.7	238.337
Mo	95	1	He	0.002636	82.5	43.333
Pd	105	1	He	0.005793	71.9	103.337
Ag	107	1	He	0.088200	6.7	2970.287
Cd	111	1	He	0.001521	73.0	9.987
Sn	118	1	He	1.042761	4.4	12593.053
Sb	121	1	He	0.003877	40.1	151.667
Ba	138	1	He	0.004833	18.5	341.677
Pt	195	1	He	0.003471	41.9	140.000
Hg	202	1	He	0.007726	26.8	133.333
Tl	205	1	He	0.004819	70.6	1011.710
Pb	206	1	He	0.005317	27.9	190.000
Pb	207	1	He	0.001630	364.5	986.710
Pb	208	1	He	0.004784	35.1	1601.720
Bi	209	1	He	0.002501	9.4	1720.140
Th	232	1	He	0.005095	22.6	465.013
U	238	1	He	0.000264	22.0	110.000

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.14345750	996769.460
Sc	45	2	H2	93.84311254	6289526.500
Ge	72	1	He	89.39994404	605364.083
Ge	72	2	H2	94.26886607	1709899.127
In	115	1	He	93.02471887	6780937.783
Tb	159	1	He	96.22937218	15581671.017
Ir	193	1	He	96.31285528	7528989.680

Sample Name	4322601_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	135SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:16:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	55.032711	6.2	39898.187
Be	9	2	H2	54.483726	5.4	33637.087
B	11	2	H2	52.596259	6.5	36907.113
Na	23	1	He	1118.129500	4.7	1964408.253
Mg	24	1	He	1105.356760	3.8	1073424.540
Al	27	1	He	1078.617694	3.1	565945.040
Si	28	2	H2	272.973618	5.6	1156344.127
K	39	1	He	1102.496167	4.4	1707335.237
Ca	43	1	He	1075.127151	5.6	4768.370
Ca	44	1	He	1086.133450	2.5	80734.427
Ti	47	1	He	50.983968	3.1	24244.790
V	51	1	He	55.177445	3.6	618992.737
Cr	52	1	He	56.370449	3.4	758414.147
Mn	55	1	He	55.416752	3.5	563757.687
Fe	56	1	He	1120.572534	4.1	13787400.333
Co	59	1	He	57.249468	3.5	1128855.417
Ni	60	1	He	56.887354	2.6	275403.803
Cu	63	1	He	57.158461	3.5	711161.230
Zn	66	1	He	54.044344	3.5	138745.360
As	75	1	He	52.632017	3.6	110762.043
Se	78	2	H2	51.023135	1.1	55209.570
Sr	88	1	He	51.948360	2.8	926198.840
Mo	95	1	He	55.301138	3.1	429801.790
Pd	105	1	He	10.677189	2.3	121544.290
Ag	107	1	He	26.872619	2.4	610795.070
Cd	111	1	He	52.731480	1.3	227682.370
Sn	118	1	He	52.767498	2.9	598124.273
Sb	121	1	He	50.304117	1.9	744017.280
Ba	138	1	He	52.831264	2.6	1991487.003
Pt	195	1	He	10.627190	2.2	149160.190
Hg	202	1	He	3.794491	1.6	26933.070
Tl	205	1	He	54.379536	2.6	2787550.480
Pb	206	1	He	54.883815	1.4	955643.087
Pb	207	1	He	55.017115	1.9	800645.773
Pb	208	1	He	54.709330	2.5	3756914.977
Bi	209	1	He	54.859645	3.4	2964273.707
Th	232	1	He	53.323457	3.7	4146101.187
U	238	1	He	50.978232	3.6	4054346.400

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.07655809	963229.020
Sc	45	2	H2	90.70106878	6078941.333
Ge	72	1	He	87.78745132	594445.227
Ge	72	2	H2	92.14977247	1671461.873
In	115	1	He	88.51130966	6451937.627
Tb	159	1	He	93.37683706	15119782.273
Ir	193	1	He	93.35759887	7297970.727

Sample Name	10607968001_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	136SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:19:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.462417	3.6	4786.940
Be	9	2	H2	0.424863	3.8	270.667
B	11	2	H2	8.496982	5.3	8385.403
Na	23	1	He	667.504913	0.6	1188645.503
Mg	24	1	He	7517.814317	1.1	7339352.183
Al	27	1	He	5885.801589	1.0	3110950.833
Si	28	2	H2	724.622017	3.7	3079810.083
K	39	1	He	1202.312757	0.6	1865935.493
Ca	43	1	He	11566.87398	1.0	51631.100
Ca	44	1	He	11835.88989	0.9	884732.280
Ti	47	1	He	155.643813	2.0	74574.760
V	51	1	He	28.498714	1.5	321422.373
Cr	52	1	He	13.842061	1.0	188064.327
Mn	55	1	He	379.194256	0.9	3882475.083
Fe	56	1	He	13638.73744	1.2	168966714.667
Co	59	1	He	7.620048	0.6	150540.690
Ni	60	1	He	24.267374	1.3	118081.990
Cu	63	1	He	14.198475	1.5	177126.063
Zn	66	1	He	50.050504	1.0	128683.183
As	75	1	He	3.694182	1.2	8016.467
Se	78	2	H2	0.355036	5.2	399.343
Sr	88	1	He	16.390935	1.7	291896.280
Mo	95	1	He	0.408094	5.2	3196.993
Pd	105	1	He	0.047019	17.0	566.690
Ag	107	1	He	0.332415	17.0	8343.797
Cd	111	1	He	0.131378	8.3	569.053
Sn	118	1	He	1.299771	2.5	14863.210
Sb	121	1	He	0.127126	4.1	1963.470
Ba	138	1	He	106.835604	2.3	4060651.397
Pt	195	1	He	0.007668	49.1	196.673
Hg	202	1	He	0.056667	13.3	480.020
Tl	205	1	He	0.234830	2.1	12876.923
Pb	206	1	He	7.534504	2.3	132328.303
Pb	207	1	He	7.026321	2.3	103910.160
Pb	208	1	He	7.233143	2.5	501893.860
Bi	209	1	He	0.126581	1.0	8442.433
Th	232	1	He	4.194565	3.0	325713.947
U	238	1	He	0.762991	3.0	60675.670

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.68064675	969835.497
Sc	45	2	H2	91.56903371	6137113.833
Ge	72	1	He	87.81792944	594651.607
Ge	72	2	H2	91.83843274	1665814.627
In	115	1	He	88.30615839	6436983.343
Tb	159	1	He	94.11925896	15239996.857
Ir	193	1	He	93.16955781	7283271.140

Sample Name	4323797_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	137SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:23:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	95.668538	4.8	69888.373
Be	9	2	H2	89.652024	4.6	55811.653
B	11	2	H2	95.174453	6.7	65090.860
Na	23	1	He	3017.073082	3.9	5300313.673
Mg	24	1	He	10206.76076	3.7	9933865.897
Al	27	1	He	8437.583044	3.8	4446367.667
Si	28	2	H2	1898.413904	5.4	8044283.500
K	39	1	He	3567.217672	3.4	5287745.340
Ca	43	1	He	14599.45960	3.5	64976.937
Ca	44	1	He	14940.90526	3.6	1113534.260
Ti	47	1	He	255.393018	4.0	122010.697
V	51	1	He	124.340465	4.3	1403445.703
Cr	52	1	He	109.295129	4.1	1476875.917
Mn	55	1	He	493.392298	3.5	5036897.667
Fe	56	1	He	15613.46096	3.5	192868117.333
Co	59	1	He	103.453985	4.1	2028716.497
Ni	60	1	He	121.478219	3.5	583924.000
Cu	63	1	He	110.175152	3.5	1363268.043
Zn	66	1	He	144.942805	3.2	369810.303
As	75	1	He	94.477085	3.5	197572.847
Se	78	2	H2	87.187477	0.9	94331.293
Sr	88	1	He	106.663589	3.8	1863513.513
Mo	95	1	He	95.146741	3.1	735549.367
Pd	105	1	He	90.416512	2.7	1008481.857
Ag	107	1	He	47.061010	1.1	1047512.693
Cd	111	1	He	90.722522	2.9	383841.423
Sn	118	1	He	92.692780	3.3	1029726.183
Sb	121	1	He	88.838163	2.8	1287712.407
Ba	138	1	He	204.777929	3.3	7681849.470
Pt	195	1	He	90.850093	2.7	1268507.613
Hg	202	1	He	0.032164	26.4	300.010
Tl	205	1	He	46.909467	1.9	2394114.077
Pb	206	1	He	100.756135	2.6	1745774.350
Pb	207	1	He	100.689654	1.7	1457906.123
Pb	208	1	He	100.607791	2.8	6875510.837
Bi	209	1	He	93.317055	4.1	5016979.300
Th	232	1	He	95.029632	3.3	7285739.060
U	238	1	He	91.541760	3.2	7179008.433

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.50713024	967937.873
Sc	45	2	H2	91.43950853	6128432.833
Ge	72	1	He	87.32094417	591286.313
Ge	72	2	H2	92.15312427	1671522.670
In	115	1	He	86.77445376	6325331.367
Tb	159	1	He	92.95173836	15050949.360
Ir	193	1	He	92.07136824	7197423.223

Sample Name	4323798_B70201Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	138SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:27:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.231200	4.6	978.193
Be	9	2	H2	0.103535	13.9	71.667
B	11	2	H2	1.540569	26.0	3893.810
Na	23	1	He	130.820798	0.6	253642.157
Mg	24	1	He	1466.157540	0.4	1479516.383
Al	27	1	He	1137.727946	0.4	620675.480
Si	28	2	H2	132.493448	4.3	581834.147
K	39	1	He	242.621430	0.7	486230.437
Ca	43	1	He	2244.131457	0.8	10343.483
Ca	44	1	He	2319.416778	1.9	179016.927
Ti	47	1	He	29.348551	1.3	14511.137
V	51	1	He	5.564149	1.3	63406.233
Cr	52	1	He	2.707217	0.3	38379.737
Mn	55	1	He	73.913628	0.1	781574.500
Fe	56	1	He	2662.212423	0.6	34042620.000
Co	59	1	He	1.491792	1.8	30686.707
Ni	60	1	He	4.606196	0.7	23948.567
Cu	63	1	He	2.728084	1.1	35583.707
Zn	66	1	He	9.810554	0.7	26364.683
As	75	1	He	0.711347	0.8	1811.923
Se	78	2	H2	0.076410	13.3	101.333
Sr	88	1	He	3.145866	1.1	58916.627
Mo	95	1	He	0.093507	2.2	778.357
Pd	105	1	He	0.017018	19.8	236.677
Ag	107	1	He	0.208887	13.9	5821.060
Cd	111	1	He	0.034334	10.4	158.100
Sn	118	1	He	0.342793	3.3	4233.907
Sb	121	1	He	0.028901	27.0	538.350
Ba	138	1	He	20.717227	1.1	803830.923
Pt	195	1	He	0.007662	51.6	200.007
Hg	202	1	He	0.006849	95.2	126.667
Tl	205	1	He	0.090605	12.7	5531.017
Pb	206	1	He	1.484872	1.3	26692.273
Pb	207	1	He	1.391024	1.6	21768.253
Pb	208	1	He	1.416372	1.6	101329.440
Bi	209	1	He	0.029238	5.5	3203.723
Th	232	1	He	0.783242	1.4	62746.437
U	238	1	He	0.146814	1.1	12108.127

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.50132205	1000683.163
Sc	45	2	H2	93.03061470	6235071.500
Ge	72	1	He	91.19032523	617487.497
Ge	72	2	H2	94.14596235	1707669.833
In	115	1	He	92.59833447	6749856.947
Tb	159	1	He	96.04318710	15551523.520
Ir	193	1	He	96.04572342	7508107.390

Sample Name	4322602_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	139SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:30:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	58.472812	4.5	43578.003
Be	9	2	H2	51.673996	3.6	32796.280
B	11	2	H2	57.040403	5.8	40918.533
Na	23	1	He	1714.897132	0.6	3129478.183
Mg	24	1	He	8467.647058	0.8	8541379.040
Al	27	1	He	9609.397309	0.4	5248035.000
Si	28	2	H2	949.296240	3.0	4103130.583
K	39	1	He	2355.984449	0.5	3660497.550
Ca	43	1	He	12023.47033	0.4	55455.617
Ca	44	1	He	12300.82736	0.2	950111.610
Ti	47	1	He	222.863785	1.2	110340.257
V	51	1	He	93.644180	0.4	1095175.173
Cr	52	1	He	70.479835	0.4	987284.520
Mn	55	1	He	427.819336	0.3	4526085.500
Fe	56	1	He	16334.82241	0.5	209102736.000
Co	59	1	He	61.840531	0.7	1252320.247
Ni	60	1	He	78.089434	0.5	387857.803
Cu	63	1	He	67.324678	1.0	860199.583
Zn	66	1	He	100.326950	0.8	264336.460
As	75	1	He	54.204223	0.8	117144.770
Se	78	2	H2	49.296746	0.3	54088.423
Sr	88	1	He	70.096758	1.1	1256609.227
Mo	95	1	He	50.844550	1.2	405784.277
Pd	105	1	He	9.451680	2.9	108162.813
Ag	107	1	He	26.376193	2.7	602187.843
Cd	111	1	He	51.661357	1.1	224214.723
Sn	118	1	He	51.856454	0.8	591062.060
Sb	121	1	He	25.154810	0.4	374076.673
Ba	138	1	He	177.359709	0.5	6776453.647
Pt	195	1	He	10.417584	1.6	148201.687
Hg	202	1	He	3.873119	3.1	27844.587
Tl	205	1	He	53.274297	0.4	2768164.960
Pb	206	1	He	61.071140	0.3	1077582.793
Pb	207	1	He	61.073398	0.8	900645.453
Pb	208	1	He	60.898399	0.4	4238740.710
Bi	209	1	He	52.969704	0.5	2901743.810
Th	232	1	He	55.910914	0.8	4397474.620
U	238	1	He	50.474911	0.9	4060685.773

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.63418118	1002136.147
Sc	45	2	H2	93.20300907	6246625.667
Ge	72	1	He	90.07104950	609908.417
Ge	72	2	H2	93.43517599	1694777.210
In	115	1	He	88.94593759	6483619.367
Tb	159	1	He	94.59608003	15317204.770
Ir	193	1	He	94.37630049	7377604.893

Sample Name	4322603_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	140SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:34:26
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	65.089971	4.3	49006.930
Be	9	2	H2	58.096406	4.1	37260.750
B	11	2	H2	64.669455	5.5	46484.967
Na	23	1	He	1846.281003	0.3	3442348.073
Mg	24	1	He	8416.308325	0.2	8677306.953
Al	27	1	He	10541.74365	0.9	5884163.167
Si	28	2	H2	1140.621421	3.9	4981060.000
K	39	1	He	2543.751983	0.2	4029642.750
Ca	43	1	He	11773.13451	0.6	55499.867
Ca	44	1	He	12003.23798	0.5	947619.287
Ti	47	1	He	249.840746	0.6	126430.387
V	51	1	He	102.559426	0.6	1226076.907
Cr	52	1	He	77.249587	1.0	1105988.123
Mn	55	1	He	422.788568	1.0	4571547.167
Fe	56	1	He	16968.56181	0.6	222005930.667
Co	59	1	He	66.882184	0.4	1393395.873
Ni	60	1	He	85.750255	0.3	438079.010
Cu	63	1	He	74.608336	0.4	980682.207
Zn	66	1	He	110.480791	1.5	299465.480
As	75	1	He	58.713999	0.2	130521.177
Se	78	2	H2	55.696810	0.8	61954.960
Sr	88	1	He	76.032540	0.8	1390118.730
Mo	95	1	He	55.676876	0.8	457153.367
Pd	105	1	He	10.181906	2.6	118835.377
Ag	107	1	He	28.884674	3.2	672488.183
Cd	111	1	He	56.916367	1.2	251937.610
Sn	118	1	He	56.900735	1.4	661443.573
Sb	121	1	He	27.380318	2.0	415261.893
Ba	138	1	He	190.538155	1.1	7372311.973
Pt	195	1	He	11.137941	1.1	160453.113
Hg	202	1	He	4.290650	3.7	31234.153
Tl	205	1	He	57.922090	1.2	3047796.933
Pb	206	1	He	65.304072	1.9	1166880.943
Pb	207	1	He	65.276196	1.1	974789.383
Pb	208	1	He	64.632471	0.7	4555699.147
Bi	209	1	He	58.389234	0.4	3239063.803
Th	232	1	He	61.594484	1.0	4879587.637
U	238	1	He	55.612882	1.4	4506566.390

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.65811926	1024270.480
Sc	45	2	H2	94.18283576	6312295.333
Ge	72	1	He	92.65712609	627419.813
Ge	72	2	H2	94.72994924	1718262.500
In	115	1	He	90.71600571	6612646.597
Tb	159	1	He	95.79638132	15511560.187
Ir	193	1	He	95.06267492	7431260.307

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	141_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:38:04
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	78.753633	7.2	59099.597
Be	9	2	H2	78.419272	6.4	50136.143
B	11	2	H2	75.460972	5.1	53590.397
Na	23	1	He	2038.392070	1.3	3763230.150
Mg	24	1	He	2022.084585	1.4	2067738.303
Al	27	1	He	1977.098192	1.4	1093446.833
Si	28	2	H2	978.294307	6.9	4261632.167
K	39	1	He	2028.802318	1.3	3208806.823
Ca	43	1	He	2028.649719	0.8	9482.363
Ca	44	1	He	2005.241547	1.4	156964.277
Ti	47	1	He	77.843798	0.6	39025.593
V	51	1	He	83.010348	1.3	982743.567
Cr	52	1	He	82.746712	0.5	1173603.750
Mn	55	1	He	83.816735	1.1	898549.937
Fe	56	1	He	1044.799001	1.5	13556872.667
Co	59	1	He	83.486743	0.6	1749316.580
Ni	60	1	He	83.878632	0.5	431004.657
Cu	63	1	He	85.587966	0.5	1131448.580
Zn	66	1	He	81.088786	0.8	221107.420
As	75	1	He	78.878307	0.6	176269.627
Se	78	2	H2	77.326256	2.3	85922.103
Sr	88	1	He	75.791317	0.5	1423300.707
Mo	95	1	He	81.626109	0.9	674072.310
Pd	105	1	He	79.765201	0.7	955983.373
Ag	107	1	He	40.584774	2.7	970197.590
Cd	111	1	He	79.507276	0.5	361482.173
Sn	118	1	He	78.160338	0.2	933164.177
Sb	121	1	He	75.062829	0.5	1169167.713
Ba	138	1	He	79.143421	1.2	3105040.477
Pt	195	1	He	79.102031	1.5	1154892.977
Hg	202	1	He	3.617347	0.8	26712.550
Tl	205	1	He	39.522320	1.3	2108975.230
Pb	206	1	He	80.268955	0.8	1454335.447
Pb	207	1	He	83.791739	0.8	1268527.037
Pb	208	1	He	81.281934	1.7	5808689.727
Bi	209	1	He	84.112138	2.3	4730003.367
Th	232	1	He	79.483735	0.9	6365508.863
U	238	1	He	76.544654	1.2	6270333.243

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.78681945	1014741.710
Sc	45	2	H2	93.94059835	6296060.167
Ge	72	1	He	93.19323071	631050.000
Ge	72	2	H2	94.66078710	1717008.000
In	115	1	He	93.17628649	6791986.143
Tb	159	1	He	97.14024946	15729162.263
Ir	193	1	He	96.09980803	7512335.303

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	142_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:41:41
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.051337	47.7	104.667
Be	9	2	H2	0.019567	13.0	18.833
B	11	2	H2	-0.302517		2723.597
Na	23	1	He	1.425437	3.6	19425.303
Mg	24	1	He	-2.482222		813.360
Al	27	1	He	0.437031	13.4	481.010
Si	28	2	H2	0.047505	64.1	12310.307
K	39	1	He	6.862398	14.2	134921.487
Ca	43	1	He	0.305186	348.3	11.507
Ca	44	1	He	0.626216	82.5	225.467
Ti	47	1	He	0.005826	182.8	6.000
V	51	1	He	0.064651	115.2	-925.107
Cr	52	1	He	-0.007449		434.677
Mn	55	1	He	-0.050611		362.010
Fe	56	1	He	0.187165	17.9	18993.293
Co	59	1	He	0.002815	31.7	158.000
Ni	60	1	He	-0.126975		198.667
Cu	63	1	He	0.008590	46.4	419.343
Zn	66	1	He	0.017545	54.1	264.667
As	75	1	He	-0.019555		217.833
Se	78	2	H2	0.009137	9.1	27.667
Sr	88	1	He	0.003253	112.0	283.340
Mo	95	1	He	0.009017	49.2	96.667
Pd	105	1	He	0.008388	80.9	136.670
Ag	107	1	He	0.217504	15.5	6142.830
Cd	111	1	He	0.006571	69.3	33.303
Sn	118	1	He	0.034083	15.5	581.687
Sb	121	1	He	0.003522	57.5	148.333
Ba	138	1	He	0.015807	25.0	780.030
Pt	195	1	He	0.003774	135.4	146.667
Hg	202	1	He	0.038518	16.4	363.343
Tl	205	1	He	0.044020	25.2	3130.353
Pb	206	1	He	0.011101	17.0	298.340
Pb	207	1	He	0.004921	169.0	1051.710
Pb	208	1	He	0.009701	21.6	1980.070
Bi	209	1	He	0.003638	40.2	1810.147
Th	232	1	He	0.009898	7.6	863.367
U	238	1	He	0.004664	14.2	478.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.04162906	1017528.377
Sc	45	2	H2	95.09107122	6373166.833
Ge	72	1	He	91.92763499	622480.127
Ge	72	2	H2	96.11335737	1743355.497
In	115	1	He	94.35353734	6877800.590
Tb	159	1	He	97.67249838	15815345.177
Ir	193	1	He	97.74154645	7640673.640

Sample Name	10607968002_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	143SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:45:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.216064	3.6	3993.923
Be	9	2	H2	0.381486	5.1	251.167
B	11	2	H2	6.178818	13.0	7081.497
Na	23	1	He	529.752169	8.7	936515.870
Mg	24	1	He	2974.809801	8.1	2875756.310
Al	27	1	He	5165.156709	7.6	2702323.667
Si	28	2	H2	806.997290	4.5	3533058.500
K	39	1	He	1151.713897	7.6	1774691.433
Ca	43	1	He	4141.353886	7.4	18305.950
Ca	44	1	He	4310.129450	6.9	319127.807
Ti	47	1	He	142.783804	8.9	67672.367
V	51	1	He	20.917449	7.8	233059.557
Cr	52	1	He	12.168854	7.1	163754.097
Mn	55	1	He	244.690201	7.2	2480667.417
Fe	56	1	He	12869.43747	7.8	157797312.000
Co	59	1	He	6.291363	6.9	121854.263
Ni	60	1	He	19.589654	6.6	93602.427
Cu	63	1	He	10.808777	7.2	132230.217
Zn	66	1	He	43.861971	7.1	110558.320
As	75	1	He	2.827360	8.6	6067.530
Se	78	2	H2	0.229164	5.1	269.667
Sr	88	1	He	11.842099	5.7	208206.577
Mo	95	1	He	0.171087	14.3	1321.733
Pd	105	1	He	0.037222	37.1	443.353
Ag	107	1	He	0.173278	19.7	4660.680
Cd	111	1	He	0.145255	3.9	621.290
Sn	118	1	He	1.328369	8.8	14971.700
Sb	121	1	He	0.089220	19.0	1378.403
Ba	138	1	He	82.844294	6.0	3064788.393
Pt	195	1	He	0.005481	61.6	163.340
Hg	202	1	He	0.044129	29.7	383.347
Tl	205	1	He	0.227602	5.9	12171.390
Pb	206	1	He	5.777947	5.6	98806.013
Pb	207	1	He	5.553665	4.8	80172.767
Pb	208	1	He	5.631109	5.3	380694.997
Bi	209	1	He	0.120622	7.7	7898.820
Th	232	1	He	3.686579	6.6	281381.980
U	238	1	He	0.593399	7.0	46395.513

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.12823080	963794.127
Sc	45	2	H2	94.39376490	6326432.167
Ge	72	1	He	86.39008598	584983.087
Ge	72	2	H2	93.89430899	1703105.210
In	115	1	He	87.39646240	6370672.023
Tb	159	1	He	91.81919081	14867564.777
Ir	193	1	He	91.85573324	7180566.557

Sample Name	10607968003_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	144SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:48:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.535530	5.6	2745.700
Be	9	2	H2	0.373293	12.0	247.500
B	11	2	H2	2.449571	14.6	4590.643
Na	23	1	He	183.326052	0.3	356368.823
Mg	24	1	He	1300.790148	0.5	1341448.783
Al	27	1	He	7238.819017	0.7	4033190.167
Si	28	2	H2	831.835348	4.9	3667379.167
K	39	1	He	898.533101	0.9	1501566.643
Ca	43	1	He	1927.046406	0.8	9075.717
Ca	44	1	He	1984.373859	0.9	156507.750
Ti	47	1	He	150.693734	1.1	76113.527
V	51	1	He	19.423219	0.4	230379.953
Cr	52	1	He	12.976564	0.2	185883.677
Mn	55	1	He	70.375730	0.4	760306.227
Fe	56	1	He	6715.234825	0.8	87705736.000
Co	59	1	He	1.765586	2.8	36525.490
Ni	60	1	He	5.241393	1.4	27308.627
Cu	63	1	He	9.422344	1.3	122933.090
Zn	66	1	He	35.125269	2.6	94432.047
As	75	1	He	0.953256	2.0	2354.990
Se	78	2	H2	0.200740	18.4	241.667
Sr	88	1	He	8.806871	2.2	165474.503
Mo	95	1	He	0.101631	11.8	850.030
Pd	105	1	He	0.029989	0.9	393.343
Ag	107	1	He	0.089711	2.1	3008.623
Cd	111	1	He	0.150102	16.3	684.767
Sn	118	1	He	1.258181	2.8	15176.810
Sb	121	1	He	0.051835	5.5	898.370
Ba	138	1	He	67.398008	0.5	2653089.857
Pt	195	1	He	0.002874	87.8	133.333
Hg	202	1	He	0.039140	26.6	366.680
Tl	205	1	He	0.150599	3.0	8827.493
Pb	206	1	He	6.720784	1.9	122250.737
Pb	207	1	He	6.393832	2.2	98006.253
Pb	208	1	He	6.496069	2.2	466934.720
Bi	209	1	He	0.096067	5.6	7018.343
Th	232	1	He	4.044939	1.0	324479.890
U	238	1	He	1.096817	0.9	90067.437

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.48079281	1022331.190
Sc	45	2	H2	94.98553329	6366093.500
Ge	72	1	He	91.77744431	621463.123
Ge	72	2	H2	95.48652688	1731985.710
In	115	1	He	93.10848945	6787044.150
Tb	159	1	He	97.45819022	15780643.930
Ir	193	1	He	96.24099203	7523371.970

Sample Name	10608145001_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	145SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:52:29
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.510924	4.5	4919.477
Be	9	2	H2	0.400943	5.1	261.000
B	11	2	H2	4.823062	6.9	6101.143
Na	23	1	He	139.476648	1.3	270782.240
Mg	24	1	He	8481.151753	0.6	8588452.790
Al	27	1	He	6873.766470	0.5	3768737.833
Si	28	2	H2	1069.346734	12.9	4639238.917
K	39	1	He	857.666874	1.2	1415999.717
Ca	43	1	He	15642.76473	0.5	72428.723
Ca	44	1	He	15892.04585	0.7	1232225.417
Ti	47	1	He	209.123988	0.7	103943.220
V	51	1	He	26.797871	1.2	313429.467
Cr	52	1	He	14.762307	0.2	208021.577
Mn	55	1	He	386.069909	0.2	4100476.167
Fe	56	1	He	12485.57531	0.5	160455498.667
Co	59	1	He	6.282161	1.0	127022.717
Ni	60	1	He	15.883426	0.5	79367.393
Cu	63	1	He	12.640557	0.7	161392.470
Zn	66	1	He	49.115965	1.1	129228.277
As	75	1	He	3.785342	0.6	8399.813
Se	78	2	H2	0.206930	9.8	245.333
Sr	88	1	He	15.758856	1.1	289134.630
Mo	95	1	He	0.277671	4.6	2233.500
Pd	105	1	He	0.041598	8.8	520.020
Ag	107	1	He	0.065521	16.1	2375.187
Cd	111	1	He	0.118955	15.3	531.007
Sn	118	1	He	1.398600	1.3	16466.363
Sb	121	1	He	0.104523	9.5	1678.430
Ba	138	1	He	74.454652	0.5	2892825.687
Pt	195	1	He	0.003699	102.7	143.333
Hg	202	1	He	0.024637	17.3	256.677
Tl	205	1	He	0.156866	1.6	9042.633
Pb	206	1	He	7.681919	1.4	137915.750
Pb	207	1	He	7.072080	1.9	106897.763
Pb	208	1	He	7.283301	0.5	516608.673
Bi	209	1	He	0.098587	6.5	7068.377
Th	232	1	He	3.587077	0.7	285555.283
U	238	1	He	0.573851	0.3	46804.747

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.99218715	1006051.397
Sc	45	2	H2	93.39989053	6259821.000
Ge	72	1	He	89.86407010	608506.873
Ge	72	2	H2	93.99291361	1704893.753
In	115	1	He	90.98104052	6631966.027
Tb	159	1	He	96.19263130	15575721.853
Ir	193	1	He	95.50453049	7465801.137

Sample Name	10608145002_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	146SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:56:08
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.727983	4.5	4517.377
Be	9	2	H2	0.507665	3.5	342.667
B	11	2	H2	3.080170	23.2	5150.837
Na	23	1	He	87.532667	0.3	180211.547
Mg	24	1	He	2390.161367	0.2	2479060.847
Al	27	1	He	9612.408937	0.2	5392566.167
Si	28	2	H2	835.781426	2.9	3770113.167
K	39	1	He	710.644221	2.5	1222035.267
Ca	43	1	He	2555.277823	0.6	12114.593
Ca	44	1	He	2623.208924	0.7	208272.987
Ti	47	1	He	198.334885	1.1	100870.987
V	51	1	He	31.541616	0.2	377772.240
Cr	52	1	He	16.740268	0.3	241295.140
Mn	55	1	He	263.368882	0.3	2862478.833
Fe	56	1	He	15927.75139	0.4	209435440.000
Co	59	1	He	6.120109	0.8	126305.847
Ni	60	1	He	11.023723	0.4	56480.687
Cu	63	1	He	15.665717	0.8	204092.190
Zn	66	1	He	52.952269	0.6	142189.863
As	75	1	He	6.226330	0.8	13933.420
Se	78	2	H2	0.408781	2.1	482.010
Sr	88	1	He	10.198960	1.7	190904.383
Mo	95	1	He	0.247536	3.2	2035.140
Pd	105	1	He	0.050738	15.5	640.023
Ag	107	1	He	0.049953	13.1	2053.480
Cd	111	1	He	0.048533	26.5	222.727
Sn	118	1	He	1.386034	1.2	16643.167
Sb	121	1	He	0.085984	7.3	1425.070
Ba	138	1	He	73.677423	1.5	2891904.750
Pt	195	1	He	0.002708	118.9	130.000
Hg	202	1	He	0.037904	15.7	356.680
Tl	205	1	He	0.125581	3.7	7468.490
Pb	206	1	He	9.688596	0.9	175716.643
Pb	207	1	He	9.145208	0.8	139391.423
Pb	208	1	He	9.338767	0.3	668883.100
Bi	209	1	He	0.111311	5.7	7855.430
Th	232	1	He	4.060578	0.9	326703.220
U	238	1	He	0.610290	2.7	50305.710

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.12664220	1029394.373
Sc	45	2	H2	97.32196504	6522685.167
Ge	72	1	He	91.72249567	621091.043
Ge	72	2	H2	96.81895478	1756154.000
In	115	1	He	92.78554703	6763503.607
Tb	159	1	He	97.18550012	15736489.350
Ir	193	1	He	96.52396502	7545492.597

Sample Name	10608145003_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	147SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:59:47
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.923618	6.5	3730.707
Be	9	2	H2	0.284367	8.8	186.833
B	11	2	H2	4.791843	18.6	6081.110
Na	23	1	He	242.251869	2.3	458376.087
Mg	24	1	He	9878.146593	1.7	10009469.227
Al	27	1	He	4493.064948	2.1	2465172.667
Si	28	2	H2	1094.680314	12.3	4743920.750
K	39	1	He	719.002757	0.1	1207889.357
Ca	43	1	He	35460.26291	1.9	164282.940
Ca	44	1	He	35792.67749	1.9	2776916.570
Ti	47	1	He	185.474705	1.6	92249.370
V	51	1	He	21.886647	1.7	255849.020
Cr	52	1	He	10.922423	1.7	154155.173
Mn	55	1	He	314.819240	1.4	3346172.250
Fe	56	1	He	10440.31402	1.9	134264768.000
Co	59	1	He	4.379806	1.4	88027.143
Ni	60	1	He	11.440075	2.0	57030.350
Cu	63	1	He	9.563608	1.0	121410.670
Zn	66	1	He	28.091606	1.0	73535.617
As	75	1	He	2.491226	2.9	5579.373
Se	78	2	H2	0.138962	13.4	170.000
Sr	88	1	He	26.314465	1.3	482249.720
Mo	95	1	He	0.355012	7.7	2831.933
Pd	105	1	He	0.032520	31.7	413.347
Ag	107	1	He	0.047953	20.0	1965.133
Cd	111	1	He	0.125395	4.9	559.167
Sn	118	1	He	1.214751	4.6	14309.430
Sb	121	1	He	0.091512	7.5	1480.083
Ba	138	1	He	56.043406	1.3	2172256.217
Pt	195	1	He	0.002560	60.5	126.667
Hg	202	1	He	0.022439	54.9	240.007
Tl	205	1	He	0.102403	1.4	6151.257
Pb	206	1	He	4.832386	1.4	86580.717
Pb	207	1	He	4.447058	1.2	67416.443
Pb	208	1	He	4.611498	1.0	326774.480
Bi	209	1	He	0.070192	5.2	5474.387
Th	232	1	He	2.930103	1.0	232296.307
U	238	1	He	0.529604	0.9	43024.053

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.06025363	1006795.790
Sc	45	2	H2	93.26138567	6250538.167
Ge	72	1	He	89.30356782	604711.480
Ge	72	2	H2	93.82545925	1701856.377
In	115	1	He	90.90669057	6626546.367
Tb	159	1	He	95.96396180	15538695.187
Ir	193	1	He	95.11465682	7435323.847

Sample Name	10608145004_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	148SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:03:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.680540	5.9	3569.340
Be	9	2	H2	0.242633	5.7	160.833
B	11	2	H2	3.323755	17.5	5120.817
Na	23	1	He	346.591170	1.6	651156.357
Mg	24	1	He	11370.71661	1.3	11565833.580
Al	27	1	He	4112.618719	0.6	2265302.583
Si	28	2	H2	1250.955527	9.4	5442926.000
K	39	1	He	649.094235	0.8	1106670.010
Ca	43	1	He	30353.43701	0.5	141177.930
Ca	44	1	He	30728.05930	0.9	2393305.933
Ti	47	1	He	189.994317	1.4	94859.433
V	51	1	He	20.746668	1.6	243371.603
Cr	52	1	He	10.473739	0.7	148420.020
Mn	55	1	He	272.579252	0.5	2908620.750
Fe	56	1	He	9117.277894	0.9	117708146.667
Co	59	1	He	3.937433	0.2	79877.540
Ni	60	1	He	10.647754	0.4	53629.320
Cu	63	1	He	10.089542	0.5	129254.797
Zn	66	1	He	24.197150	1.9	63961.300
As	75	1	He	1.517916	1.1	3531.187
Se	78	2	H2	0.124008	8.2	154.333
Sr	88	1	He	21.461603	1.9	393549.593
Mo	95	1	He	0.156858	20.0	1276.730
Pd	105	1	He	0.034465	10.0	436.683
Ag	107	1	He	0.033645	13.0	1631.763
Cd	111	1	He	0.107312	12.9	479.630
Sn	118	1	He	1.194785	2.7	14089.217
Sb	121	1	He	0.086828	5.3	1410.073
Ba	138	1	He	45.628095	0.5	1768387.683
Pt	195	1	He	0.003498	118.7	140.003
Hg	202	1	He	0.017865	23.3	206.677
Tl	205	1	He	0.103389	5.1	6204.587
Pb	206	1	He	3.947425	0.8	70733.523
Pb	207	1	He	3.698531	0.5	56226.793
Pb	208	1	He	3.815255	0.3	270537.423
Bi	209	1	He	0.057767	18.0	4787.500
Th	232	1	He	2.164728	0.5	172125.243
U	238	1	He	0.410629	1.0	33474.287

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.41790360	1010707.147
Sc	45	2	H2	93.74976469	6283270.167
Ge	72	1	He	90.12123547	610248.247
Ge	72	2	H2	94.30202972	1710500.667
In	115	1	He	90.95901235	6630360.307
Tb	159	1	He	95.95144550	15536668.520
Ir	193	1	He	95.37897173	7455985.930

Sample Name	10608145005_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	149SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:07:02
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.827349	5.5	2142.957
Be	9	2	H2	0.111389	21.2	76.000
B	11	2	H2	1.651229	23.0	3930.507
Na	23	1	He	349.634180	7.2	618606.240
Mg	24	1	He	4409.729998	6.8	4227327.227
Al	27	1	He	2362.455590	7.4	1225509.793
Si	28	2	H2	511.836145	1.6	2191322.290
K	39	1	He	342.310986	10.5	604327.020
Ca	43	1	He	9724.858641	7.7	42596.190
Ca	44	1	He	10100.96044	7.9	740843.157
Ti	47	1	He	178.707095	7.1	84043.653
V	51	1	He	14.816433	6.0	163341.603
Cr	52	1	He	15.342816	8.2	204437.297
Mn	55	1	He	105.574923	7.3	1061455.793
Fe	56	1	He	6590.892061	6.8	80160842.667
Co	59	1	He	3.015028	7.5	58895.497
Ni	60	1	He	8.823477	6.7	42930.923
Cu	63	1	He	15.647235	6.7	192846.697
Zn	66	1	He	72.183243	7.3	183245.947
As	75	1	He	1.094544	10.6	2517.680
Se	78	2	H2	0.138823	15.6	169.000
Sr	88	1	He	9.195522	8.3	160124.470
Mo	95	1	He	0.506915	4.8	3923.817
Pd	105	1	He	0.023502	7.6	293.343
Ag	107	1	He	0.046095	22.6	1820.117
Cd	111	1	He	0.116596	4.0	497.170
Sn	118	1	He	1.977413	11.3	21980.877
Sb	121	1	He	0.305998	11.9	4490.643
Ba	138	1	He	20.755967	8.4	754315.693
Pt	195	1	He	0.004039	32.1	140.000
Hg	202	1	He	0.054628	18.8	443.350
Tl	205	1	He	0.030345	25.4	2196.843
Pb	206	1	He	4.995638	10.1	83834.763
Pb	207	1	He	4.759212	8.4	67578.843
Pb	208	1	He	4.808059	8.9	319271.747
Bi	209	1	He	0.045286	9.9	3840.547
Th	232	1	He	1.030486	8.4	76796.957
U	238	1	He	0.382241	9.7	29184.033

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	87.33558912	955125.583
Sc	45	2	H2	92.10704341	6173172.167
Ge	72	1	He	87.03799590	589370.353
Ge	72	2	H2	93.45929352	1695214.667
In	115	1	He	86.71103921	6320708.830
Tb	159	1	He	90.35163158	14629934.367
Ir	193	1	He	89.76467450	7017103.853

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	150_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:10:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	79.604210	4.7	60514.193
Be	9	2	H2	79.198478	3.4	51279.483
B	11	2	H2	76.304039	5.2	54851.120
Na	23	1	He	2026.732483	1.4	3809639.943
Mg	24	1	He	2018.374841	1.2	2101448.770
Al	27	1	He	1969.355676	1.1	1108946.417
Si	28	2	H2	996.936740	5.1	4398455.083
K	39	1	He	2039.583758	1.7	3283645.367
Ca	43	1	He	2011.971486	0.5	9575.533
Ca	44	1	He	1997.426060	1.3	159191.523
Ti	47	1	He	76.170206	2.2	38875.243
V	51	1	He	81.785483	1.6	985751.717
Cr	52	1	He	82.294528	1.5	1188253.420
Mn	55	1	He	83.548467	0.9	911965.773
Fe	56	1	He	1035.363368	1.2	13678775.667
Co	59	1	He	83.866390	0.8	1767693.960
Ni	60	1	He	84.467751	0.4	436609.263
Cu	63	1	He	86.821273	0.3	1154564.460
Zn	66	1	He	81.714983	0.7	224137.313
As	75	1	He	79.526183	0.3	178768.663
Se	78	2	H2	78.670275	0.9	88320.477
Sr	88	1	He	75.886984	0.9	1436863.467
Mo	95	1	He	81.709252	0.7	678780.797
Pd	105	1	He	79.364452	0.9	959029.203
Ag	107	1	He	39.928733	3.3	962357.823
Cd	111	1	He	78.629405	0.3	360441.190
Sn	118	1	He	78.619842	1.1	946389.777
Sb	121	1	He	75.367912	0.5	1183604.127
Ba	138	1	He	79.756479	1.3	3117855.787
Pt	195	1	He	79.932272	0.3	1162898.080
Hg	202	1	He	3.600145	1.4	26492.280
Tl	205	1	He	39.729007	0.6	2112410.853
Pb	206	1	He	80.365474	0.7	1450905.393
Pb	207	1	He	83.576069	0.7	1260722.220
Pb	208	1	He	81.706123	0.9	5818387.567
Bi	209	1	He	84.285361	1.0	4723105.450
Th	232	1	He	78.725950	0.4	6323118.033
U	238	1	He	76.096949	0.9	6251693.867

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.47199730	1033171.270
Sc	45	2	H2	95.08740077	6372920.833
Ge	72	1	He	93.74640169	634795.750
Ge	72	2	H2	95.60954086	1734217.003
In	115	1	He	93.94603302	6848095.997
Tb	159	1	He	96.78989347	15672431.853
Ir	193	1	He	96.37694987	7534000.097

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	151_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:14:15
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.021901	24.6	83.667
Be	9	2	H2	0.026220	31.0	23.667
B	11	2	H2	-0.691142		2506.893
Na	23	1	He	0.174219	251.3	17540.047
Mg	24	1	He	-2.553407		758.360
Al	27	1	He	0.321717	12.8	427.343
Si	28	2	H2	-0.084376		11963.373
K	39	1	He	7.328354	5.6	138954.007
Ca	43	1	He	1.141022	36.9	15.780
Ca	44	1	He	1.224923	82.0	278.990
Ti	47	1	He	0.024897	26.7	16.000
V	51	1	He	-0.022804		-2012.247
Cr	52	1	He	-0.006652		457.343
Mn	55	1	He	-0.054522		328.003
Fe	56	1	He	0.135392	10.2	18770.420
Co	59	1	He	0.001525	119.2	134.000
Ni	60	1	He	-0.131745		178.000
Cu	63	1	He	0.004584	28.7	374.677
Zn	66	1	He	0.002964	342.1	230.000
As	75	1	He	-0.014603		233.333
Se	78	2	H2	0.004414	80.1	22.667
Sr	88	1	He	0.002261	114.7	271.670
Mo	95	1	He	0.011023	16.9	115.000
Pd	105	1	He	0.002233	19.0	63.333
Ag	107	1	He	0.199320	14.5	5847.717
Cd	111	1	He	0.008504	29.5	43.300
Sn	118	1	He	0.021585	25.2	441.677
Sb	121	1	He	0.005763	21.2	188.333
Ba	138	1	He	0.011869	10.1	633.353
Pt	195	1	He	0.001617	132.5	116.667
Hg	202	1	He	0.022730	34.8	250.010
Tl	205	1	He	0.042584	29.3	3097.003
Pb	206	1	He	0.006999	24.1	226.670
Pb	207	1	He	0.001258	253.0	1010.043
Pb	208	1	He	0.006068	19.8	1743.393
Bi	209	1	He	0.003944	3.6	1853.477
Th	232	1	He	0.006627	22.0	600.017
U	238	1	He	0.003536	3.1	386.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.31680850	1042410.353
Sc	45	2	H2	96.89738624	6494229.167
Ge	72	1	He	93.75123180	634828.457
Ge	72	2	H2	97.48564295	1768246.747
In	115	1	He	96.74443055	7052082.203
Tb	159	1	He	99.05814589	16039712.260
Ir	193	1	He	98.33904123	7687381.133

Sample Name	10608145006_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	152SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:17:51
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.844600	5.2	2944.397
Be	9	2	H2	0.231820	15.7	154.333
B	11	2	H2	2.812315	33.2	4784.050
Na	23	1	He	1006.332550	0.5	1829563.047
Mg	24	1	He	4936.668181	0.8	4944011.697
Al	27	1	He	4563.958299	0.8	2474113.083
Si	28	2	H2	959.509621	1.8	4170519.917
K	39	1	He	593.336799	0.9	1006046.623
Ca	43	1	He	12296.96539	0.6	56294.990
Ca	44	1	He	12675.76271	0.1	971770.973
Ti	47	1	He	157.829328	0.7	77559.973
V	51	1	He	17.040911	1.0	196452.637
Cr	52	1	He	9.651954	0.9	134655.187
Mn	55	1	He	172.831515	0.7	1815373.627
Fe	56	1	He	7787.092402	0.5	98949392.000
Co	59	1	He	3.543190	1.0	71264.463
Ni	60	1	He	8.819117	1.8	44171.173
Cu	63	1	He	7.989783	1.0	101526.070
Zn	66	1	He	26.611912	2.0	69700.460
As	75	1	He	2.055791	1.6	4651.610
Se	78	2	H2	0.172607	5.0	207.333
Sr	88	1	He	11.768960	1.0	214078.963
Mo	95	1	He	0.307710	6.9	2458.530
Pd	105	1	He	0.032473	19.5	410.013
Ag	107	1	He	0.117757	9.2	3562.070
Cd	111	1	He	0.103702	4.2	459.273
Sn	118	1	He	1.172518	1.2	13708.923
Sb	121	1	He	0.081171	12.5	1311.730
Ba	138	1	He	51.516145	0.9	1978363.460
Pt	195	1	He	0.004055	37.7	146.667
Hg	202	1	He	0.038068	32.5	350.013
Tl	205	1	He	0.098575	1.1	5894.483
Pb	206	1	He	5.193008	0.4	92179.833
Pb	207	1	He	4.902174	0.3	73535.000
Pb	208	1	He	5.001698	0.8	351063.733
Bi	209	1	He	0.061523	1.9	4947.533
Th	232	1	He	2.182382	1.7	171710.807
U	238	1	He	0.473770	1.6	38203.310

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.95173125	994672.690
Sc	45	2	H2	93.80573908	6287021.667
Ge	72	1	He	89.34394540	604984.893
Ge	72	2	H2	93.96837322	1704448.627
In	115	1	He	90.18027590	6573595.143
Tb	159	1	He	95.07631583	15394965.603
Ir	193	1	He	94.38306436	7378133.640

Sample Name	10608146001_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	153SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:21:26
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.880786	4.7	3750.710
Be	9	2	H2	0.470487	4.7	309.167
B	11	2	H2	3.034197	24.9	4977.420
Na	23	1	He	119.779664	1.4	234891.540
Mg	24	1	He	2760.398027	1.1	2797602.357
Al	27	1	He	6145.145044	0.7	3369287.417
Si	28	2	H2	1068.233978	6.5	4687806.500
K	39	1	He	773.879508	0.8	1289676.727
Ca	43	1	He	5008.812997	1.6	23198.857
Ca	44	1	He	5152.976435	0.8	399666.543
Ti	47	1	He	123.039116	4.0	61161.290
V	51	1	He	23.074034	0.4	269630.037
Cr	52	1	He	12.262270	0.9	172883.000
Mn	55	1	He	320.391920	0.7	3403034.167
Fe	56	1	He	11020.78881	0.0	141630997.333
Co	59	1	He	5.285732	1.2	106821.723
Ni	60	1	He	12.274603	1.1	61482.167
Cu	63	1	He	10.577793	0.3	135011.977
Zn	66	1	He	49.342666	0.7	129733.303
As	75	1	He	2.039983	1.0	4640.940
Se	78	2	H2	0.233382	3.7	276.000
Sr	88	1	He	11.756285	1.3	218247.980
Mo	95	1	He	0.164101	7.0	1328.397
Pd	105	1	He	0.038819	8.9	493.353
Ag	107	1	He	0.082557	1.5	2805.257
Cd	111	1	He	0.110569	5.2	499.613
Sn	118	1	He	1.237797	1.4	14759.800
Sb	121	1	He	0.061291	6.8	1033.377
Ba	138	1	He	82.390894	1.0	3196704.223
Pt	195	1	He	0.002324	169.0	123.333
Hg	202	1	He	0.029735	5.2	293.343
Tl	205	1	He	0.112592	1.9	6694.790
Pb	206	1	He	7.372150	2.1	132172.847
Pb	207	1	He	7.004587	2.0	105743.453
Pb	208	1	He	7.132706	1.6	505247.717
Bi	209	1	He	0.098686	5.5	7065.067
Th	232	1	He	3.329671	1.5	265410.923
U	238	1	He	0.466130	2.6	38087.980

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.98957139	1006022.790
Sc	45	2	H2	94.58953975	6339553.333
Ge	72	1	He	89.80148495	608083.083
Ge	72	2	H2	94.51173280	1714304.373
In	115	1	He	92.03319440	6708661.663
Tb	159	1	He	96.05737858	15553821.437
Ir	193	1	He	95.63561925	7476048.637

Sample Name	10608146002_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	154SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:25:04
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.317565	4.1	2513.503
Be	9	2	H2	0.306746	7.7	199.167
B	11	2	H2	2.665359	12.8	4614.003
Na	23	1	He	134.321869	2.7	257468.677
Mg	24	1	He	1752.310467	0.5	1750547.110
Al	27	1	He	4535.974933	0.3	2449888.667
Si	28	2	H2	948.029605	1.4	4065887.750
K	39	1	He	680.966284	0.6	1132456.153
Ca	43	1	He	3165.578489	0.9	14445.920
Ca	44	1	He	3237.032292	0.8	247376.020
Ti	47	1	He	102.035446	3.1	49960.333
V	51	1	He	16.102053	2.6	184864.887
Cr	52	1	He	8.965632	1.1	124655.283
Mn	55	1	He	371.806383	0.9	3889947.250
Fe	56	1	He	9699.902229	0.4	122798170.667
Co	59	1	He	3.542725	1.4	71037.610
Ni	60	1	He	8.147913	1.3	40749.880
Cu	63	1	He	9.099189	1.0	115229.920
Zn	66	1	He	38.191451	1.1	99638.397
As	75	1	He	1.864826	1.1	4229.673
Se	78	2	H2	0.244836	8.1	284.000
Sr	88	1	He	8.825136	0.9	161459.723
Mo	95	1	He	0.138459	0.4	1115.050
Pd	105	1	He	0.026584	18.9	343.347
Ag	107	1	He	0.054082	7.4	2101.813
Cd	111	1	He	0.110388	6.9	491.343
Sn	118	1	He	1.178672	2.0	13854.033
Sb	121	1	He	0.056351	11.4	943.370
Ba	138	1	He	77.988065	0.5	2985725.997
Pt	195	1	He	0.013221	27.0	276.677
Hg	202	1	He	0.032998	42.5	313.343
Tl	205	1	He	0.083067	1.9	5069.180
Pb	206	1	He	5.748491	1.7	101710.717
Pb	207	1	He	5.469514	1.7	81677.233
Pb	208	1	He	5.586537	1.0	390736.513
Bi	209	1	He	0.069379	5.7	5364.333
Th	232	1	He	2.375336	1.3	187393.250
U	238	1	He	0.511579	1.0	41356.207

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.61687638	991010.627
Sc	45	2	H2	92.53482018	6201842.500
Ge	72	1	He	89.06811086	603117.103
Ge	72	2	H2	92.96084716	1686173.580
In	115	1	He	90.67301484	6609512.823
Tb	159	1	He	94.78385798	15347610.187
Ir	193	1	He	94.64082856	7398283.640

Sample Name	10608146003_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	155SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:28:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.722065	3.9	3731.370
Be	9	2	H2	0.494577	4.0	333.833
B	11	2	H2	3.437098	15.0	5394.223
Na	23	1	He	160.709700	0.7	318399.163
Mg	24	1	He	2291.649512	0.7	2389982.360
Al	27	1	He	6910.590619	0.4	3898344.667
Si	28	2	H2	1043.752832	5.8	4707387.667
K	39	1	He	926.601850	0.7	1563750.863
Ca	43	1	He	4341.460213	0.8	20690.150
Ca	44	1	He	4480.812577	0.5	357596.800
Ti	47	1	He	116.974477	0.2	59819.057
V	51	1	He	23.021337	0.5	276782.380
Cr	52	1	He	12.540198	1.0	181903.147
Mn	55	1	He	924.877981	1.0	10105916.667
Fe	56	1	He	14530.87824	0.4	192122848.000
Co	59	1	He	6.445766	1.0	132857.777
Ni	60	1	He	12.275613	0.5	62719.660
Cu	63	1	He	9.627681	0.7	125385.223
Zn	66	1	He	53.586052	1.5	143712.530
As	75	1	He	3.917505	2.2	8852.860
Se	78	2	H2	0.279622	4.2	335.667
Sr	88	1	He	12.699613	1.1	240058.093
Mo	95	1	He	0.231060	2.9	1898.460
Pd	105	1	He	0.032844	23.0	430.013
Ag	107	1	He	0.061092	12.7	2341.850
Cd	111	1	He	0.153075	7.7	702.787
Sn	118	1	He	1.222081	0.9	14839.863
Sb	121	1	He	0.061450	8.3	1055.043
Ba	138	1	He	103.707341	1.4	4069277.753
Pt	195	1	He	-0.000052		90.000
Hg	202	1	He	0.035169	16.0	336.677
Tl	205	1	He	0.118764	2.9	7099.983
Pb	206	1	He	9.498387	2.4	172190.707
Pb	207	1	He	9.050043	2.4	137883.447
Pb	208	1	He	9.248244	2.1	662148.793
Bi	209	1	He	0.118012	4.1	8232.290
Th	232	1	He	3.321947	2.7	267027.297
U	238	1	He	0.606489	4.4	49942.977

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.64524741	1035065.980
Sc	45	2	H2	97.26683117	6518990.000
Ge	72	1	He	91.60715148	620310.000
Ge	72	2	H2	96.95147448	1758557.713
In	115	1	He	93.71346630	6831143.293
Tb	159	1	He	97.14545517	15730005.183
Ir	193	1	He	96.43741466	7538726.763

Sample Name	10608146004_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	156SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:32:18
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.824242	3.7	4689.417
Be	9	2	H2	0.510194	5.5	351.167
B	11	2	H2	3.826639	5.0	5784.363
Na	23	1	He	229.629530	0.2	454414.300
Mg	24	1	He	3031.459651	0.5	3208473.490
Al	27	1	He	7440.429180	0.5	4260698.667
Si	28	2	H2	966.733483	5.2	4458949.667
K	39	1	He	1034.660868	0.2	1757679.560
Ca	43	1	He	5279.006661	0.5	25536.353
Ca	44	1	He	5426.131880	0.9	439552.573
Ti	47	1	He	121.665890	2.0	63157.380
V	51	1	He	28.337896	0.5	346272.883
Cr	52	1	He	14.281348	0.3	210209.747
Mn	55	1	He	761.453923	0.8	8445758.333
Fe	56	1	He	16304.12128	0.4	218835936.000
Co	59	1	He	10.609123	0.7	222426.197
Ni	60	1	He	17.651696	0.4	91393.137
Cu	63	1	He	13.899303	0.7	184043.373
Zn	66	1	He	55.395445	0.8	151148.253
As	75	1	He	5.507848	1.3	12556.573
Se	78	2	H2	0.279934	5.6	342.000
Sr	88	1	He	15.572055	1.3	298275.647
Mo	95	1	He	0.170971	8.4	1435.073
Pd	105	1	He	0.038073	22.4	500.017
Ag	107	1	He	0.079414	2.4	2818.590
Cd	111	1	He	0.207811	3.0	966.277
Sn	118	1	He	1.286508	2.1	15825.767
Sb	121	1	He	0.092485	3.6	1561.753
Ba	138	1	He	125.309419	0.8	4982752.323
Pt	195	1	He	0.001231	289.3	110.000
Hg	202	1	He	0.029619	40.9	300.007
Tl	205	1	He	0.126549	5.3	7615.220
Pb	206	1	He	14.934748	0.8	274320.310
Pb	207	1	He	14.344224	2.4	220884.553
Pb	208	1	He	14.480206	0.9	1049925.340
Bi	209	1	He	0.123841	4.7	8672.543
Th	232	1	He	3.826348	1.2	308954.047
U	238	1	He	0.611284	0.7	50566.600

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.08109254	1050768.770
Sc	45	2	H2	99.40920890	6662575.833
Ge	72	1	He	93.20994312	631163.167
Ge	72	2	H2	98.60210816	1788497.790
In	115	1	He	94.98215411	6923622.940
Tb	159	1	He	98.45022531	15941276.427
Ir	193	1	He	96.87273823	7572756.973

Sample Name	10608146005_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	157SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:35:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.251195	4.7	5054.013
Be	9	2	H2	0.564647	10.2	390.670
B	11	2	H2	5.125868	18.0	6754.690
Na	23	1	He	220.854887	0.9	445874.303
Mg	24	1	He	4115.251016	0.6	4435585.767
Al	27	1	He	7416.552819	0.0	4326307.500
Si	28	2	H2	904.162885	2.4	4188247.583
K	39	1	He	1085.862963	0.8	1872582.157
Ca	43	1	He	6909.874289	0.9	34044.803
Ca	44	1	He	7049.942362	0.4	581684.370
Ti	47	1	He	133.225390	2.4	70452.133
V	51	1	He	34.191263	1.0	425956.257
Cr	52	1	He	14.592250	1.2	218776.947
Mn	55	1	He	879.183633	0.4	9933543.667
Fe	56	1	He	20326.67398	0.5	277914528.000
Co	59	1	He	7.112096	0.7	151434.667
Ni	60	1	He	20.609005	0.8	108200.520
Cu	63	1	He	15.709050	0.4	211160.317
Zn	66	1	He	55.387617	0.5	153453.333
As	75	1	He	10.684837	0.4	24482.213
Se	78	2	H2	0.285031	3.2	348.667
Sr	88	1	He	17.257902	0.2	334462.520
Mo	95	1	He	0.369076	3.4	3118.643
Pd	105	1	He	0.041367	14.3	546.690
Ag	107	1	He	0.071903	3.7	2666.903
Cd	111	1	He	0.203540	15.9	957.437
Sn	118	1	He	1.311267	5.4	16317.877
Sb	121	1	He	0.138109	7.8	2313.513
Ba	138	1	He	123.258512	0.3	4928557.323
Pt	195	1	He	0.002748	259.4	133.337
Hg	202	1	He	0.041875	36.3	393.347
Tl	205	1	He	0.161398	3.1	9552.913
Pb	206	1	He	14.140392	1.1	261182.907
Pb	207	1	He	13.517774	0.4	209392.347
Pb	208	1	He	13.755973	0.4	1003011.797
Bi	209	1	He	0.166981	1.2	11194.137
Th	232	1	He	4.315031	1.1	351343.550
U	238	1	He	0.593249	1.5	49491.473

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.87283507	1070363.750
Sc	45	2	H2	99.88849882	6694698.667
Ge	72	1	He	94.64578885	640885.873
Ge	72	2	H2	98.89342184	1793781.793
In	115	1	He	96.10885444	7005752.560
Tb	159	1	He	98.99612021	16029668.927
Ir	193	1	He	97.68612122	7636340.927

Sample Name	10608146006_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	158SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:39:32
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.654000	5.3	4287.490
Be	9	2	H2	0.348356	11.5	228.000
B	11	2	H2	5.702825	3.6	6697.983
Na	23	1	He	112.296917	1.9	219712.020
Mg	24	1	He	5593.520958	1.5	5626140.960
Al	27	1	He	5654.631804	0.9	3078893.500
Si	28	2	H2	936.582221	4.1	4064187.667
K	39	1	He	1021.581819	1.1	1651670.130
Ca	43	1	He	14560.91103	0.9	66953.040
Ca	44	1	He	15099.28325	0.8	1162664.147
Ti	47	1	He	133.435863	2.9	65868.320
V	51	1	He	22.373298	1.4	259583.587
Cr	52	1	He	11.639853	0.9	162997.273
Mn	55	1	He	476.742504	0.8	5028204.333
Fe	56	1	He	13430.87962	1.0	171407520.000
Co	59	1	He	7.771402	0.6	156349.760
Ni	60	1	He	16.117185	0.7	80134.087
Cu	63	1	He	10.870907	0.4	138165.567
Zn	66	1	He	42.899887	0.6	112352.593
As	75	1	He	3.938404	0.6	8686.610
Se	78	2	H2	0.246349	15.0	288.333
Sr	88	1	He	19.133928	0.6	351294.227
Mo	95	1	He	0.402418	7.6	3211.993
Pd	105	1	He	0.029600	10.7	380.013
Ag	107	1	He	0.044544	7.2	1888.460
Cd	111	1	He	0.128926	6.4	575.717
Sn	118	1	He	1.261569	3.6	14881.553
Sb	121	1	He	0.098693	11.5	1591.757
Ba	138	1	He	126.452278	0.3	4850197.323
Pt	195	1	He	0.004518	89.8	153.337
Hg	202	1	He	0.025116	22.8	256.673
Tl	205	1	He	0.133192	4.6	7693.590
Pb	206	1	He	11.361872	1.2	201332.533
Pb	207	1	He	10.903449	1.4	162201.343
Pb	208	1	He	11.116039	0.7	777738.950
Bi	209	1	He	0.100874	11.1	7105.077
Th	232	1	He	3.257920	0.9	255859.540
U	238	1	He	0.449094	2.6	36153.687

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.35718607	999106.853
Sc	45	2	H2	93.57342135	6271451.333
Ge	72	1	He	89.42906498	605561.273
Ge	72	2	H2	94.00199630	1705058.500
In	115	1	He	91.05374803	6637265.963
Tb	159	1	He	94.96077165	15376256.437
Ir	193	1	He	94.21782560	7365216.560

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	159_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:43:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	78.334342	4.7	59626.413
Be	9	2	H2	78.509852	3.3	50897.143
B	11	2	H2	73.962564	4.7	53323.117
Na	23	1	He	2019.627531	1.3	3800107.237
Mg	24	1	He	2011.293140	1.4	2096121.217
Al	27	1	He	1977.973545	0.7	1114931.170
Si	28	2	H2	983.572127	4.8	4344874.333
K	39	1	He	2043.327225	2.1	3292689.430
Ca	43	1	He	2012.710984	1.6	9587.960
Ca	44	1	He	2003.468221	1.2	159834.490
Ti	47	1	He	77.422109	0.8	39556.757
V	51	1	He	82.472600	1.6	995053.920
Cr	52	1	He	82.629823	0.9	1194325.997
Mn	55	1	He	83.044063	1.4	907329.790
Fe	56	1	He	1032.506328	1.7	13654164.000
Co	59	1	He	83.840552	1.3	1772282.540
Ni	60	1	He	84.201163	0.7	436503.583
Cu	63	1	He	86.409489	0.7	1152449.247
Zn	66	1	He	81.548968	0.8	224334.033
As	75	1	He	79.418180	0.8	179045.963
Se	78	2	H2	78.838914	0.5	88777.960
Sr	88	1	He	76.020253	0.7	1445147.267
Mo	95	1	He	82.167784	0.4	684594.207
Pd	105	1	He	79.523315	1.5	964789.257
Ag	107	1	He	39.917369	4.3	965893.787
Cd	111	1	He	78.519974	0.6	361392.977
Sn	118	1	He	78.185982	1.9	944912.850
Sb	121	1	He	75.062618	1.0	1183519.227
Ba	138	1	He	80.852121	1.0	3141407.037
Pt	195	1	He	80.030511	2.2	1157085.557
Hg	202	1	He	3.640342	1.3	26619.040
Tl	205	1	He	40.165941	1.4	2122464.293
Pb	206	1	He	81.222677	1.0	1457440.553
Pb	207	1	He	84.467628	1.1	1266411.230
Pb	208	1	He	82.298348	0.5	5824700.797
Bi	209	1	He	83.852619	1.9	4669876.080
Th	232	1	He	78.377666	2.0	6251360.743
U	238	1	He	76.477466	1.7	6239522.827

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.56311978	1034167.810
Sc	45	2	H2	95.20267435	6380646.667
Ge	72	1	He	94.02366724	636673.230
Ge	72	2	H2	95.90324797	1739544.420
In	115	1	He	94.32345185	6875607.540
Tb	159	1	He	96.19761569	15576528.937
Ir	193	1	He	95.72131150	7482747.390

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	160_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:46:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.038334	24.2	94.167
Be	9	2	H2	0.018121	13.8	17.833
B	11	2	H2	-1.341429		2006.813
Na	23	1	He	-0.547849		15781.820
Mg	24	1	He	-2.517473		776.690
Al	27	1	He	0.391259	9.5	455.677
Si	28	2	H2	-0.096923		11632.300
K	39	1	He	7.516847	8.2	135886.860
Ca	43	1	He	1.034017	91.0	14.897
Ca	44	1	He	0.628487	107.8	225.603
Ti	47	1	He	-0.004825		0.667
V	51	1	He	-0.010720		-1818.427
Cr	52	1	He	-0.007740		430.677
Mn	55	1	He	-0.045940		412.007
Fe	56	1	He	0.268219	9.8	20042.440
Co	59	1	He	0.001401	58.5	128.667
Ni	60	1	He	-0.127704		194.667
Cu	63	1	He	0.001548	108.1	327.337
Zn	66	1	He	0.019652	78.6	270.000
As	75	1	He	-0.020660		215.167
Se	78	2	H2	0.009134	27.7	27.667
Sr	88	1	He	0.002745	117.2	275.007
Mo	95	1	He	0.008032	56.3	88.333
Pd	105	1	He	0.006435	84.6	113.337
Ag	107	1	He	0.215472	17.4	6114.487
Cd	111	1	He	0.006875	81.4	34.973
Sn	118	1	He	0.017932	7.2	388.343
Sb	121	1	He	0.003681	73.3	151.667
Ba	138	1	He	0.012999	3.0	666.687
Pt	195	1	He	0.006318	37.9	183.337
Hg	202	1	He	0.023348	21.4	250.010
Tl	205	1	He	0.043872	31.5	3108.683
Pb	206	1	He	0.007855	11.7	238.333
Pb	207	1	He	-0.002955		928.373
Pb	208	1	He	0.005267	28.6	1655.053
Bi	209	1	He	0.002089	99.5	1716.797
Th	232	1	He	0.007550	9.8	665.020
U	238	1	He	0.003372	20.3	366.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.01663943	1017255.083
Sc	45	2	H2	94.65305399	6343810.167
Ge	72	1	He	91.80404240	621643.230
Ge	72	2	H2	96.13289459	1743709.873
In	115	1	He	94.78706065	6909401.810
Tb	159	1	He	97.32258240	15758686.013
Ir	193	1	He	96.73798235	7562222.807

Sample Name	4322455_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	161SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:50:21
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.019861	45.9	82.333
Be	9	2	H2	0.014195	17.8	15.667
B	11	2	H2	-1.161119		2190.180
Na	23	1	He	9.270099	5.1	34445.387
Mg	24	1	He	0.588270	25.4	4022.133
Al	27	1	He	3.627474	7.6	2287.150
Si	28	2	H2	1.653996	10.7	19809.723
K	39	1	He	7.964274	3.5	138875.233
Ca	43	1	He	9.605892	18.6	55.967
Ca	44	1	He	12.070441	1.8	1141.503
Ti	47	1	He	0.216921	6.5	114.000
V	51	1	He	0.080122	60.5	-756.837
Cr	52	1	He	0.424706	2.1	6687.247
Mn	55	1	He	0.054867	16.9	1519.403
Fe	56	1	He	5.653448	1.5	91529.667
Co	59	1	He	0.008366	20.9	275.333
Ni	60	1	He	-0.061074		536.677
Cu	63	1	He	0.329525	3.7	4643.283
Zn	66	1	He	1.350969	2.2	3881.763
As	75	1	He	-0.032677		190.667
Se	78	2	H2	-0.001730		15.667
Sr	88	1	He	0.042885	16.1	1055.043
Mo	95	1	He	0.012188	17.7	123.333
Pd	105	1	He	0.003357	74.7	76.667
Ag	107	1	He	0.042149	16.8	1931.793
Cd	111	1	He	0.011389	35.0	56.630
Sn	118	1	He	0.034030	6.4	591.687
Sb	121	1	He	0.007509	29.0	215.000
Ba	138	1	He	0.084617	4.5	3530.400
Pt	195	1	He	0.007948	39.2	210.007
Hg	202	1	He	0.012626	79.6	173.337
Tl	205	1	He	0.006282	34.1	1116.720
Pb	206	1	He	0.037740	8.4	791.697
Pb	207	1	He	0.028842	0.5	1430.077
Pb	208	1	He	0.036175	4.5	3921.880
Bi	209	1	He	0.006055	36.3	1966.830
Th	232	1	He	0.007418	12.3	665.023
U	238	1	He	0.004453	24.7	463.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.58490722	1034406.083
Sc	45	2	H2	97.16774886	6512349.333
Ge	72	1	He	92.73371668	627938.440
Ge	72	2	H2	97.79418275	1773843.207
In	115	1	He	96.05543710	7001858.760
Tb	159	1	He	98.67642448	15977903.093
Ir	193	1	He	98.29145937	7683661.553

Sample Name	4322456_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	162SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:53:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.334786	4.6	80201.057
Be	9	2	H2	106.868533	3.9	68684.457
B	11	2	H2	102.582873	4.1	72176.233
Na	23	1	He	2251.585043	4.2	4115310.980
Mg	24	1	He	2216.495406	4.4	2244505.590
Al	27	1	He	2175.689917	4.1	1191787.667
Si	28	2	H2	541.150047	5.3	2375352.667
K	39	1	He	2261.376063	3.9	3528808.903
Ca	43	1	He	2252.635074	3.3	10429.830
Ca	44	1	He	2195.002987	5.3	170116.473
Ti	47	1	He	103.964306	4.3	51617.323
V	51	1	He	112.344599	4.6	1317778.347
Cr	52	1	He	113.937822	4.4	1600123.833
Mn	55	1	He	112.085769	4.0	1189886.873
Fe	56	1	He	2285.376038	4.3	29351180.000
Co	59	1	He	116.328144	5.7	2408729.917
Ni	60	1	He	116.320369	4.6	590554.793
Cu	63	1	He	117.348053	4.9	1533320.957
Zn	66	1	He	113.302466	4.4	305341.927
As	75	1	He	108.802101	4.2	240285.843
Se	78	2	H2	105.742432	0.4	118939.333
Sr	88	1	He	109.271474	4.1	1975677.523
Mo	95	1	He	110.579748	4.6	902729.857
Pd	105	1	He	21.847662	3.3	252177.550
Ag	107	1	He	51.317302	0.7	1181729.303
Cd	111	1	He	108.944654	2.7	477045.267
Sn	118	1	He	104.715775	2.8	1203993.707
Sb	121	1	He	104.261664	3.9	1563625.290
Ba	138	1	He	110.346488	2.9	4154527.960
Pt	195	1	He	21.682299	2.0	303915.527
Hg	202	1	He	0.027184	20.8	266.677
Tl	205	1	He	112.093450	3.9	5737448.663
Pb	206	1	He	113.464386	2.7	1972790.023
Pb	207	1	He	114.183185	3.4	1658338.257
Pb	208	1	He	113.323864	3.1	7771291.343
Bi	209	1	He	114.809058	3.4	6195051.993
Th	232	1	He	112.251993	4.1	8598578.623
U	238	1	He	105.894564	3.9	8297512.170

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.99045347	1006032.437
Sc	45	2	H2	94.38531739	6325866.000
Ge	72	1	He	92.25545620	624699.940
Ge	72	2	H2	95.80380480	1737740.667
In	115	1	He	89.78623626	6544872.043
Tb	159	1	He	93.26422124	15101547.273
Ir	193	1	He	91.98997214	7191060.310

Sample Name	10607514001_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	163SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:57:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.791692	8.6	650.177
Be	9	2	H2	0.044499	17.8	34.167
B	11	2	H2	3.889945	15.5	5440.913
Na	23	1	He	1027.109321	0.3	1868266.223
Mg	24	1	He	250.965790	0.4	254614.853
Al	27	1	He	276.378100	0.8	150150.253
Si	28	2	H2	729.107337	3.1	3136660.583
K	39	1	He	845.299387	2.0	1382665.347
Ca	43	1	He	1904.065303	1.1	8731.343
Ca	44	1	He	1945.256239	0.9	149365.750
Ti	47	1	He	9.022705	17.3	4444.840
V	51	1	He	0.872127	10.6	8482.787
Cr	52	1	He	1.680550	0.5	23898.397
Mn	55	1	He	16.679554	0.1	176115.103
Fe	56	1	He	367.215336	0.8	4684918.667
Co	59	1	He	0.642132	2.0	13037.403
Ni	60	1	He	2.294677	1.1	12138.100
Cu	63	1	He	111.625088	1.5	1419182.623
Zn	66	1	He	46.466329	0.1	121951.223
As	75	1	He	0.969317	3.1	2334.653
Se	78	2	H2	0.130594	10.3	160.000
Sr	88	1	He	6.586391	0.5	122548.173
Mo	95	1	He	0.168009	15.9	1356.790
Pd	105	1	He	0.008120	55.4	130.000
Ag	107	1	He	0.222869	21.8	6126.160
Cd	111	1	He	0.162017	11.4	731.280
Sn	118	1	He	0.444432	4.5	5414.237
Sb	121	1	He	0.656748	2.9	10209.793
Ba	138	1	He	10.847964	1.0	413691.023
Pt	195	1	He	0.011640	17.1	253.343
Hg	202	1	He	0.028596	35.4	280.013
Tl	205	1	He	0.035127	13.7	2563.567
Pb	206	1	He	1.996354	0.3	35235.420
Pb	207	1	He	2.019964	0.7	30634.377
Pb	208	1	He	1.993502	0.8	139640.797
Bi	209	1	He	0.020431	14.3	2666.953
Th	232	1	He	0.056145	3.4	4440.670
U	238	1	He	0.023748	4.7	1983.480

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.01156610	995327.060
Sc	45	2	H2	92.68158604	6211679.000
Ge	72	1	He	89.63244740	606938.460
Ge	72	2	H2	93.41286162	1694372.460
In	115	1	He	92.16714679	6718425.980
Tb	159	1	He	94.38194169	15282531.020
Ir	193	1	He	93.73130366	7327184.060

Sample Name	4323803_B70204Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	164SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:01:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.163067	5.1	191.167
Be	9	2	H2	0.019906	37.1	19.333
B	11	2	H2	-0.420984		2680.253
Na	23	1	He	209.794441	1.0	410071.243
Mg	24	1	He	50.565998	1.0	56024.300
Al	27	1	He	58.513835	3.7	33214.037
Si	28	2	H2	149.853831	5.4	679321.667
K	39	1	He	176.812617	0.7	400496.373
Ca	43	1	He	384.240929	4.3	1839.157
Ca	44	1	He	393.730808	2.8	31561.373
Ti	47	1	He	1.672553	8.9	858.023
V	51	1	He	0.245406	53.3	1243.577
Cr	52	1	He	0.487547	42.6	7602.800
Mn	55	1	He	3.388891	1.1	37911.530
Fe	56	1	He	74.444852	1.0	1000211.897
Co	59	1	He	0.129630	1.5	2814.897
Ni	60	1	He	0.364736	1.2	2720.217
Cu	63	1	He	22.364209	0.7	295606.123
Zn	66	1	He	9.675348	1.1	26552.953
As	75	1	He	0.170306	5.0	644.010
Se	78	2	H2	0.029797	18.0	51.333
Sr	88	1	He	1.350980	0.2	26254.810
Mo	95	1	He	0.029927	22.0	270.003
Pd	105	1	He	0.000941	217.9	46.667
Ag	107	1	He	0.047915	17.9	2065.147
Cd	111	1	He	0.030022	20.8	143.253
Sn	118	1	He	0.165976	9.8	2205.167
Sb	121	1	He	0.127195	1.2	2126.820
Ba	138	1	He	2.214976	0.8	87947.780
Pt	195	1	He	0.005326	111.7	170.007
Hg	202	1	He	0.009200	95.5	146.670
Tl	205	1	He	0.000900	280.7	820.030
Pb	206	1	He	0.405873	6.2	7526.830
Pb	207	1	He	0.409937	2.8	7246.697
Pb	208	1	He	0.401574	3.5	30279.503
Bi	209	1	He	0.003653	73.0	1820.147
Th	232	1	He	0.012518	5.7	1065.050
U	238	1	He	0.005820	7.5	568.353

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.56287594	1034165.143
Sc	45	2	H2	96.18988173	6446811.000
Ge	72	1	He	93.10367237	630443.563
Ge	72	2	H2	96.82551760	1756273.040
In	115	1	He	95.61414840	6969691.490
Tb	159	1	He	98.13093358	15889576.010
Ir	193	1	He	96.66971956	7556886.553

Sample Name	4322457_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	165SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:04:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.903493	4.7	79670.743
Be	9	2	H2	107.192367	4.6	68076.580
B	11	2	H2	108.579397	6.4	75335.747
Na	23	1	He	3186.803854	0.3	5910857.203
Mg	24	1	He	2398.140314	0.1	2467154.023
Al	27	1	He	2378.978293	0.1	1323959.210
Si	28	2	H2	1331.308418	5.8	5756326.167
K	39	1	He	2993.967672	0.7	4705673.783
Ca	43	1	He	4004.662572	0.6	18825.870
Ca	44	1	He	4089.922772	1.0	321979.587
Ti	47	1	He	111.774226	0.7	56386.730
V	51	1	He	111.309588	1.4	1326629.087
Cr	52	1	He	111.643581	0.5	1593083.127
Mn	55	1	He	124.038413	0.6	1337650.710
Fe	56	1	He	2542.196353	0.2	33171188.667
Co	59	1	He	114.294985	0.9	2367689.583
Ni	60	1	He	115.861451	0.7	588283.857
Cu	63	1	He	221.755647	0.6	2897808.250
Zn	66	1	He	155.225439	0.2	418261.657
As	75	1	He	107.001274	0.3	236311.803
Se	78	2	H2	105.445974	0.7	116847.710
Sr	88	1	He	110.538076	0.6	2057318.823
Mo	95	1	He	110.873397	0.5	905222.047
Pd	105	1	He	21.426052	0.7	254540.417
Ag	107	1	He	48.625374	2.3	1152006.960
Cd	111	1	He	104.917362	0.3	472787.163
Sn	118	1	He	103.000631	1.2	1218891.857
Sb	121	1	He	101.435182	1.1	1565856.903
Ba	138	1	He	117.725168	0.5	4460023.893
Pt	195	1	He	20.892121	1.2	294622.893
Hg	202	1	He	0.021804	39.4	230.007
Tl	205	1	He	108.938063	0.5	5611894.293
Pb	206	1	He	111.990796	1.0	1959300.963
Pb	207	1	He	112.871423	0.7	1649679.457
Pb	208	1	He	112.754770	1.1	7780831.297
Bi	209	1	He	112.177704	1.2	6091502.200
Th	232	1	He	110.525071	2.0	8499828.207
U	238	1	He	106.407325	1.6	8370421.963

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.36391841	1021053.020
Sc	45	2	H2	93.29927886	6253077.833
Ge	72	1	He	92.13649386	623894.397
Ge	72	2	H2	94.38797914	1712059.663
In	115	1	He	92.35337609	6732000.967
Tb	159	1	He	93.79628232	15187699.770
Ir	193	1	He	92.29902797	7215219.890

Sample Name	4322458_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	166SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:08:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	101.878229	4.1	76168.160
Be	9	2	H2	101.640857	3.6	64750.760
B	11	2	H2	105.131852	4.7	73260.587
Na	23	1	He	3026.472976	0.1	5569829.920
Mg	24	1	He	2287.032945	0.2	2334339.340
Al	27	1	He	2289.124884	0.8	1263877.793
Si	28	2	H2	1283.664706	5.4	5569976.667
K	39	1	He	2856.594389	1.2	4459957.953
Ca	43	1	He	3843.716435	0.5	17926.533
Ca	44	1	He	3842.005835	0.4	300075.317
Ti	47	1	He	105.266347	0.8	52680.367
V	51	1	He	105.746607	0.7	1250276.377
Cr	52	1	He	106.767886	0.7	1511462.960
Mn	55	1	He	119.441327	0.3	1277920.087
Fe	56	1	He	2437.924487	0.2	31558892.667
Co	59	1	He	108.638991	1.5	2258377.833
Ni	60	1	He	110.396013	0.9	562538.873
Cu	63	1	He	208.198180	0.9	2730263.000
Zn	66	1	He	146.729910	0.8	396774.293
As	75	1	He	102.054417	0.8	226191.870
Se	78	2	H2	100.724372	0.5	111363.760
Sr	88	1	He	106.443026	0.9	1959969.290
Mo	95	1	He	104.657706	1.1	857478.320
Pd	105	1	He	20.537536	0.6	241387.040
Ag	107	1	He	47.046633	3.0	1102508.477
Cd	111	1	He	100.468488	1.1	447889.910
Sn	118	1	He	99.123037	0.6	1160409.983
Sb	121	1	He	96.163243	0.7	1468673.673
Ba	138	1	He	112.203193	1.0	4278787.747
Pt	195	1	He	20.057939	0.6	284755.953
Hg	202	1	He	0.022534	10.9	236.677
Tl	205	1	He	104.627508	0.2	5425706.377
Pb	206	1	He	107.689750	0.8	1896441.220
Pb	207	1	He	108.317607	2.0	1593431.383
Pb	208	1	He	107.878746	1.0	7493250.463
Bi	209	1	He	107.085840	1.0	5853298.663
Th	232	1	He	103.470258	0.4	8063824.673
U	238	1	He	99.399222	0.5	7923190.297

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.62305795	1012950.770
Sc	45	2	H2	93.55673521	6270333.000
Ge	72	1	He	92.46408715	626112.667
Ge	72	2	H2	94.17115274	1708126.750
In	115	1	He	91.37017358	6660331.467
Tb	159	1	He	94.42048903	15288772.690
Ir	193	1	He	93.51417354	7310210.517

Sample Name	10607926001_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	167SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:11:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.035279	20.8	90.000
Be	9	2	H2	0.036847	11.5	29.333
B	11	2	H2	-0.722398		2390.217
Na	23	1	He	4.196848	2.8	24421.160
Mg	24	1	He	0.768032	8.7	4122.157
Al	27	1	He	3.289916	6.9	2054.113
Si	28	2	H2	1.504405	18.0	18300.443
K	39	1	He	8.376074	5.3	136614.867
Ca	43	1	He	9.303129	9.9	53.370
Ca	44	1	He	9.997820	11.6	955.783
Ti	47	1	He	0.103174	28.0	54.667
V	51	1	He	0.037031	212.0	-1249.590
Cr	52	1	He	0.339364	5.2	5341.470
Mn	55	1	He	0.012581	26.1	1036.033
Fe	56	1	He	2.884312	0.8	53803.503
Co	59	1	He	0.008153	15.3	266.667
Ni	60	1	He	-0.081064		428.010
Cu	63	1	He	0.068596	10.5	1193.380
Zn	66	1	He	1.100208	4.3	3151.623
As	75	1	He	-0.018887		217.833
Se	78	2	H2	0.010973	75.9	29.333
Sr	88	1	He	0.018820	17.5	578.347
Mo	95	1	He	0.020237	13.4	186.667
Pd	105	1	He	0.005945	62.0	106.667
Ag	107	1	He	0.224770	18.3	6309.563
Cd	111	1	He	0.011650	20.3	56.610
Sn	118	1	He	0.049077	11.6	761.690
Sb	121	1	He	0.010424	27.6	256.673
Ba	138	1	He	0.030987	22.4	1365.070
Pt	195	1	He	0.010324	53.7	240.007
Hg	202	1	He	0.004915	14.7	113.333
Tl	205	1	He	0.024563	20.4	2065.157
Pb	206	1	He	0.019403	22.2	445.010
Pb	207	1	He	0.015633	29.2	1201.723
Pb	208	1	He	0.019672	8.4	2668.443
Bi	209	1	He	0.011108	48.5	2210.207
Th	232	1	He	0.016782	10.6	1411.747
U	238	1	He	0.006016	17.6	586.683

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.61953969	1012912.293
Sc	45	2	H2	92.87266092	6224485.167
Ge	72	1	He	91.29772278	618214.730
Ge	72	2	H2	94.52877772	1714613.543
In	115	1	He	94.18278459	6865353.750
Tb	159	1	He	96.65709306	15650928.520
Ir	193	1	He	96.95553883	7579229.680

Sample Name	10608170001_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	168SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:15:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	7.791491	2.1	5259.067
Be	9	2	H2	0.026175	14.9	20.333
B	11	2	H2	178.102511	1.4	109116.313
Na	23	1	He	962531.6100	1.4	1793160399.95
Mg	24	1	He	34074.93431	0.8	35267401.973
Al	27	1	He	36.965199	3.2	20969.943
Si	28	2	H2	8531.109206	0.8	33007590.000
K	39	1	He	368441.3475	0.4	568023591.533
Ca	43	1	He	115297.8303	0.7	545724.850
Ca	44	1	He	116967.2401	0.8	9271383.657
Ti	47	1	He	1.125160	11.2	576.013
V	51	1	He	0.276484	13.9	1600.937
Cr	52	1	He	1.178346	1.8	17481.103
Mn	55	1	He	223.526594	1.0	2427499.833
Fe	56	1	He	3632.743668	1.6	47733894.667
Co	59	1	He	0.711194	0.8	13956.100
Ni	60	1	He	2.425858	1.8	12360.263
Cu	63	1	He	4.538255	1.6	56068.940
Zn	66	1	He	21.473329	2.1	54599.300
As	75	1	He	3.368676	1.9	7235.133
Se	78	2	H2	1.102438	0.8	1144.040
Sr	88	1	He	225.472988	0.6	3801351.403
Mo	95	1	He	41.179280	1.8	316209.747
Pd	105	1	He	0.037793	17.5	436.680
Ag	107	1	He	0.152369	20.3	4040.523
Cd	111	1	He	0.027270	66.9	113.473
Sn	118	1	He	0.173240	4.4	2008.470
Sb	121	1	He	0.255132	0.6	3650.420
Ba	138	1	He	62.208405	0.6	2179173.143
Pt	195	1	He	0.009899	28.1	210.010
Hg	202	1	He	0.012763	29.0	153.340
Tl	205	1	He	0.074656	9.3	4237.283
Pb	206	1	He	0.310169	0.6	5102.533
Pb	207	1	He	0.279180	5.1	4639.050
Pb	208	1	He	0.294218	0.7	19909.917
Bi	209	1	He	0.005933	41.2	1723.457
Th	232	1	He	0.030549	3.4	2071.820
U	238	1	He	1.139996	1.6	77375.427

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.06152646	1028682.250
Sc	45	2	H2	83.68997809	5609046.000
Ge	72	1	He	86.68090360	586952.333
Ge	72	2	H2	87.18258760	1581364.417
In	115	1	He	83.66503232	6098673.403
Tb	159	1	He	86.72843569	14043258.540
Ir	193	1	He	79.55460038	6218959.697

Sample Name	10608170001_B70204Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	169SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:19:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.499338	8.4	443.010
Be	9	2	H2	0.013730	22.0	15.000
B	11	2	H2	9.569844	9.8	9419.203
Na	23	1	He	49619.06046	1.3	96215415.230
Mg	24	1	He	1774.845768	1.4	1914901.950
Al	27	1	He	2.942463	6.4	1967.110
Si	28	2	H2	481.367892	6.3	2124688.417
K	39	1	He	18886.17827	0.8	30421886.213
Ca	43	1	He	5863.167586	1.4	28887.473
Ca	44	1	He	6020.284731	1.1	496726.283
Ti	47	1	He	0.073254	15.3	42.000
V	51	1	He	0.031505	164.2	-1388.690
Cr	52	1	He	0.087321	6.3	1874.767
Mn	55	1	He	11.628380	0.9	132317.503
Fe	56	1	He	193.587291	1.1	2663959.583
Co	59	1	He	0.031712	7.1	778.020
Ni	60	1	He	0.020841	62.9	975.367
Cu	63	1	He	0.315592	4.6	4556.597
Zn	66	1	He	1.189709	3.3	3518.357
As	75	1	He	0.153567	4.5	617.177
Se	78	2	H2	0.047759	3.1	71.333
Sr	88	1	He	10.704011	1.9	206550.883
Mo	95	1	He	1.995481	1.3	16771.513
Pd	105	1	He	0.004175	97.0	86.667
Ag	107	1	He	0.001899	277.5	938.370
Cd	111	1	He	0.003230	94.6	18.300
Sn	118	1	He	0.108051	10.4	1496.747
Sb	121	1	He	0.013829	20.8	315.010
Ba	138	1	He	3.066312	0.6	121033.173
Pt	195	1	He	0.001963	33.4	120.000
Hg	202	1	He	0.012429	19.2	170.003
Tl	205	1	He	-0.003909		558.353
Pb	206	1	He	0.017065	8.5	406.677
Pb	207	1	He	0.008033	68.6	1098.383
Pb	208	1	He	0.015337	14.8	2383.430
Bi	209	1	He	-0.001772		1503.433
Th	232	1	He	0.004174	74.5	380.023
U	238	1	He	0.055161	8.1	4479.020

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.87020589	1070334.997
Sc	45	2	H2	94.86139940	6357773.833
Ge	72	1	He	94.71745974	641371.187
Ge	72	2	H2	96.26495230	1746105.207
In	115	1	He	95.65989239	6973025.950
Tb	159	1	He	97.60290222	15804076.013
Ir	193	1	He	93.41193667	7302218.433

Sample Name	10608381001_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	170SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:22:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	9.132707	3.1	6578.647
Be	9	2	H2	0.019244	49.2	17.667
B	11	2	H2	58.338570	3.3	40060.080
Na	23	1	He	44028.79845	1.4	80660662.133
Mg	24	1	He	9942.628914	1.5	10119163.393
Al	27	1	He	41.739693	1.0	23239.217
Si	28	2	H2	8363.637469	5.3	34619846.667
K	39	1	He	1798.282816	1.1	2848547.563
Ca	43	1	He	71694.42345	1.0	333616.290
Ca	44	1	He	72347.98603	1.2	5637726.867
Ti	47	1	He	0.972286	4.8	488.677
V	51	1	He	0.232005	52.4	1058.063
Cr	52	1	He	1.016550	3.4	14896.130
Mn	55	1	He	16.770975	1.0	179895.260
Fe	56	1	He	119.984833	2.3	1566030.210
Co	59	1	He	0.264512	1.4	5357.483
Ni	60	1	He	0.626870	3.8	3861.100
Cu	63	1	He	3.804691	0.4	48035.093
Zn	66	1	He	361.598885	0.5	935340.293
As	75	1	He	0.269447	7.0	822.020
Se	78	2	H2	0.300988	2.6	332.667
Sr	88	1	He	419.759948	0.6	7725984.467
Mo	95	1	He	0.433031	3.5	3417.037
Pd	105	1	He	0.059280	17.5	730.030
Ag	107	1	He	-0.001192		823.360
Cd	111	1	He	0.027876	18.3	127.307
Sn	118	1	He	0.089665	10.2	1213.387
Sb	121	1	He	0.889905	3.9	13675.577
Ba	138	1	He	20.102960	0.7	763931.030
Pt	195	1	He	0.009092	73.5	216.673
Hg	202	1	He	0.011410	24.6	156.670
Tl	205	1	He	-0.000775		700.023
Pb	206	1	He	0.301447	2.4	5380.967
Pb	207	1	He	0.265500	3.3	4830.770
Pb	208	1	He	0.286898	1.3	21088.857
Bi	209	1	He	0.004259	77.0	1776.813
Th	232	1	He	0.008662	17.8	716.690
U	238	1	He	0.233983	5.1	18390.923

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.46744609	1011248.957
Sc	45	2	H2	89.38716132	5990881.000
Ge	72	1	He	88.47641716	599110.500
Ge	72	2	H2	89.55296481	1624359.587
In	115	1	He	91.33589807	6657832.990
Tb	159	1	He	94.06971354	15231974.353
Ir	193	1	He	91.81044865	7177026.560

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	171_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:26:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.886856	5.6	55474.130
Be	9	2	H2	76.986770	5.2	47321.077
B	11	2	H2	74.751531	5.1	51046.880
Na	23	1	He	2022.289890	1.6	3684745.050
Mg	24	1	He	1987.701047	1.7	2006105.857
Al	27	1	He	1972.203986	1.2	1076492.627
Si	28	2	H2	966.099710	5.6	4046136.500
K	39	1	He	2042.320917	1.1	3187176.823
Ca	43	1	He	2003.227134	1.3	9241.250
Ca	44	1	He	1987.711371	1.3	153564.307
Ti	47	1	He	76.541640	1.0	37869.180
V	51	1	He	80.838604	1.1	944468.110
Cr	52	1	He	81.449213	0.8	1140053.000
Mn	55	1	He	82.382490	1.6	871621.167
Fe	56	1	He	1021.101110	1.7	13076619.333
Co	59	1	He	82.292261	1.8	1686568.623
Ni	60	1	He	82.771298	0.7	416036.803
Cu	63	1	He	84.322422	1.2	1090348.917
Zn	66	1	He	80.377901	0.6	214383.550
As	75	1	He	78.172099	1.1	170873.580
Se	78	2	H2	76.452402	1.4	81412.217
Sr	88	1	He	75.189799	1.4	1395776.180
Mo	95	1	He	80.161936	1.4	647508.923
Pd	105	1	He	77.951851	0.7	923496.547
Ag	107	1	He	39.182347	2.6	925854.123
Cd	111	1	He	77.449909	0.3	348071.303
Sn	118	1	He	77.031302	0.6	909088.970
Sb	121	1	He	73.925639	0.5	1138194.930
Ba	138	1	He	79.941332	1.4	3056053.290
Pt	195	1	He	78.106678	0.7	1111154.490
Hg	202	1	He	3.530242	2.5	25400.633
Tl	205	1	He	39.346397	0.3	2045701.220
Pb	206	1	He	79.354643	1.1	1400853.313
Pb	207	1	He	83.134029	0.7	1226259.617
Pb	208	1	He	80.930222	0.6	5635453.820
Bi	209	1	He	83.452677	0.3	4573035.243
Th	232	1	He	78.750988	1.2	6092980.117
U	238	1	He	75.417935	1.6	5968463.037

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.56998531	1001434.083
Sc	45	2	H2	90.28881186	6051311.167
Ge	72	1	He	91.15912250	617276.210
Ge	72	2	H2	90.70391903	1645236.210
In	115	1	He	92.10318619	6713763.640
Tb	159	1	He	94.64366719	15324910.187
Ir	193	1	He	92.83937875	7257460.310

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	172_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:29:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.055899	25.6	104.667
Be	9	2	H2	0.022495	45.4	20.167
B	11	2	H2	-0.837490		2300.190
Na	23	1	He	22.009821	6.1	56490.680
Mg	24	1	He	-2.305748		978.367
Al	27	1	He	0.299692	22.7	398.670
Si	28	2	H2	0.345879	34.4	13249.300
K	39	1	He	12.075113	9.0	140710.700
Ca	43	1	He	1.744860	27.6	17.963
Ca	44	1	He	2.325155	48.7	353.023
Ti	47	1	He	0.011294	88.7	8.667
V	51	1	He	-0.026497		-1976.190
Cr	52	1	He	-0.003599		482.010
Mn	55	1	He	-0.057632		282.000
Fe	56	1	He	0.026047	62.9	16645.000
Co	59	1	He	0.001943	8.5	138.000
Ni	60	1	He	-0.134007		160.667
Cu	63	1	He	0.037686	7.0	787.353
Zn	66	1	He	0.010411	92.1	242.000
As	75	1	He	-0.009038		237.500
Se	78	2	H2	0.007303	57.9	25.000
Sr	88	1	He	0.011432	8.5	436.677
Mo	95	1	He	0.009009	6.5	95.000
Pd	105	1	He	0.007901	78.5	130.003
Ag	107	1	He	0.218088	22.7	6122.837
Cd	111	1	He	0.006221	43.5	31.637
Sn	118	1	He	0.024664	32.0	465.010
Sb	121	1	He	0.005914	9.8	185.000
Ba	138	1	He	0.014244	7.9	701.687
Pt	195	1	He	0.005868	41.4	173.337
Hg	202	1	He	0.020795	14.6	226.677
Tl	205	1	He	0.042707	25.8	2986.983
Pb	206	1	He	0.003438	22.6	155.000
Pb	207	1	He	-0.003099		908.367
Pb	208	1	He	0.003349	52.0	1488.377
Bi	209	1	He	0.006205	64.1	1910.160
Th	232	1	He	0.009369	7.7	793.367
U	238	1	He	0.004462	30.1	446.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.63700451	1002167.023
Sc	45	2	H2	92.55048674	6202892.500
Ge	72	1	He	90.58606941	613395.830
Ge	72	2	H2	93.74086238	1700321.913
In	115	1	He	93.82158567	6839024.540
Tb	159	1	He	95.42866098	15452018.103
Ir	193	1	He	94.52804335	7389466.970

Sample Name	4319206_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	173SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:33:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.061640	21.4	109.167
Be	9	2	H2	0.034208	29.8	27.500
B	11	2	H2	-0.751141		2356.860
Na	23	1	He	24.432807	4.0	60812.350
Mg	24	1	He	3.226379	11.1	6547.880
Al	27	1	He	7.205051	1.0	4164.483
Si	28	2	H2	1.548423	16.2	18435.243
K	39	1	He	10.336889	23.6	137917.930
Ca	43	1	He	17.202092	8.0	89.130
Ca	44	1	He	17.219167	4.3	1501.613
Ti	47	1	He	0.089608	30.2	47.333
V	51	1	He	-0.002526		-1697.753
Cr	52	1	He	0.840635	1.3	12285.503
Mn	55	1	He	0.035223	42.6	1262.717
Fe	56	1	He	7.170284	1.4	107947.923
Co	59	1	He	0.017484	2.8	448.677
Ni	60	1	He	-0.049328		575.343
Cu	63	1	He	0.636634	1.3	8372.643
Zn	66	1	He	0.886206	2.9	2528.187
As	75	1	He	-0.009019		234.500
Se	78	2	H2	0.013588	35.5	31.667
Sr	88	1	He	0.044027	4.6	1050.040
Mo	95	1	He	0.046171	14.9	388.343
Pd	105	1	He	0.004632	95.4	90.003
Ag	107	1	He	0.044769	20.1	1945.130
Cd	111	1	He	0.014605	52.2	69.883
Sn	118	1	He	0.113338	10.2	1526.750
Sb	121	1	He	0.012120	25.5	281.673
Ba	138	1	He	0.045085	10.3	1895.127
Pt	195	1	He	0.007480	77.2	196.670
Hg	202	1	He	0.011929	34.6	163.333
Tl	205	1	He	0.010072	14.0	1281.733
Pb	206	1	He	0.174105	3.6	3202.020
Pb	207	1	He	0.174868	6.3	3563.763
Pb	208	1	He	0.181509	2.6	14034.187
Bi	209	1	He	0.082754	6.7	6154.653
Th	232	1	He	0.008514	3.0	735.027
U	238	1	He	0.003666	27.4	386.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.51296008	1000810.440
Sc	45	2	H2	92.64206900	6209030.500
Ge	72	1	He	89.43017849	605568.813
Ge	72	2	H2	92.98888636	1686682.170
In	115	1	He	93.57690789	6821189.013
Tb	159	1	He	95.70424602	15496641.437
Ir	193	1	He	95.71564555	7482304.470

Sample Name	4319207_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	174SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:37:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	104.570711	5.8	73132.043
Be	9	2	H2	105.636723	5.3	62956.803
B	11	2	H2	99.798169	6.0	65180.833
Na	23	1	He	2200.072037	1.0	3868836.297
Mg	24	1	He	2108.560234	0.7	2054388.927
Al	27	1	He	2091.128081	0.4	1101980.210
Si	28	2	H2	532.761014	6.0	2168279.123
K	39	1	He	2159.443613	1.5	3246723.390
Ca	43	1	He	2121.529598	0.8	9448.113
Ca	44	1	He	2115.066708	1.2	157749.107
Ti	47	1	He	99.545894	0.8	47549.000
V	51	1	He	107.905233	0.9	1217714.363
Cr	52	1	He	108.159589	1.1	1461408.997
Mn	55	1	He	107.839369	0.3	1101325.337
Fe	56	1	He	2172.070559	1.0	26838494.000
Co	59	1	He	109.595081	1.7	2182232.250
Ni	60	1	He	110.033204	0.3	537077.000
Cu	63	1	He	110.620269	0.2	1389689.293
Zn	66	1	He	108.741497	0.2	281718.530
As	75	1	He	104.641939	0.7	222147.157
Se	78	2	H2	104.718576	2.0	109132.223
Sr	88	1	He	101.279846	1.4	1810987.630
Mo	95	1	He	106.959201	1.2	839405.220
Pd	105	1	He	21.014053	0.8	239860.270
Ag	107	1	He	47.476076	3.0	1080610.243
Cd	111	1	He	103.052677	1.0	446138.690
Sn	118	1	He	101.186260	0.5	1150331.443
Sb	121	1	He	100.595823	0.8	1491985.547
Ba	138	1	He	104.062025	0.2	3906543.690
Pt	195	1	He	20.775652	0.4	290308.153
Hg	202	1	He	0.012156	30.7	160.003
Tl	205	1	He	107.645576	0.2	5494834.707
Pb	206	1	He	107.973311	0.7	1871791.900
Pb	207	1	He	107.978519	1.1	1563821.433
Pb	208	1	He	107.718840	0.5	7365618.797
Bi	209	1	He	109.001088	1.2	5865118.663
Th	232	1	He	106.436729	0.8	8174500.087
U	238	1	He	101.063936	1.4	7939360.713

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.40583885	966830.123
Sc	45	2	H2	87.54398760	5867348.333
Ge	72	1	He	88.56724949	599725.563
Ge	72	2	H2	88.76909261	1610141.293
In	115	1	He	88.72749559	6467696.270
Tb	159	1	He	92.94211442	15049391.030
Ir	193	1	He	92.15705516	7204121.560

Sample Name	10607493001_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	175SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:40:38
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	60.157676	1.2	39615.847
Be	9	2	H2	0.089809	7.3	55.667
B	11	2	H2	163.290115	4.2	98833.673
Na	23	1	He	93500.64344	1.1	162658347.577
Mg	24	1	He	95079.51952	2.0	91864628.633
Al	27	1	He	1107.698555	1.4	579890.060
Si	28	2	H2	14378.82588	5.8	54860330.667
K	39	1	He	5599.625970	2.0	8174666.753
Ca	43	1	He	220520.5532	1.5	974459.817
Ca	44	1	He	221956.7094	2.2	16423822.170
Ti	47	1	He	30.248670	1.1	14355.677
V	51	1	He	11.576769	2.0	128333.713
Cr	52	1	He	9.062268	1.8	122085.897
Mn	55	1	He	22.295463	0.8	226845.543
Fe	56	1	He	983.857224	1.7	12082780.333
Co	59	1	He	0.512175	1.4	9726.643
Ni	60	1	He	1.385720	4.5	7145.430
Cu	63	1	He	2.071463	1.9	24863.150
Zn	66	1	He	12.351334	2.2	30406.350
As	75	1	He	3.690681	1.3	7632.130
Se	78	2	H2	3.666015	3.9	3618.043
Sr	88	1	He	2874.873103	0.6	48119874.283
Mo	95	1	He	0.988606	2.5	7351.620
Pd	105	1	He	0.448697	2.9	4824.117
Ag	107	1	He	0.263677	23.5	6384.603
Cd	111	1	He	0.035364	25.5	146.127
Sn	118	1	He	0.380859	2.4	4202.220
Sb	121	1	He	0.082113	4.8	1221.723
Ba	138	1	He	166.658385	1.1	6004041.997
Pt	195	1	He	0.016651	15.0	306.677
Hg	202	1	He	0.007691	11.6	123.333
Tl	205	1	He	0.037252	17.8	2525.227
Pb	206	1	He	1.190914	2.4	19899.113
Pb	207	1	He	1.169842	3.3	17140.977
Pb	208	1	He	1.170523	2.2	77967.450
Bi	209	1	He	0.027289	11.6	2873.670
Th	232	1	He	0.201256	3.6	14264.950
U	238	1	He	2.986449	1.0	215830.777

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	87.81949512	960417.710
Sc	45	2	H2	82.40542431	5522953.000
Ge	72	1	He	83.69185558	566712.250
Ge	72	2	H2	83.70790639	1518338.790
In	115	1	He	83.06297748	6054787.257
Tb	159	1	He	89.19776208	14443097.287
Ir	193	1	He	84.75313563	6625340.737

Sample Name	4322684_B70174Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	176SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:44:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	12.727854	3.9	8794.050
Be	9	2	H2	0.029868	12.9	23.000
B	11	2	H2	34.197608	5.3	23678.770
Na	23	1	He	18963.39359	1.4	32864672.847
Mg	24	1	He	19586.35418	0.8	18849352.220
Al	27	1	He	225.910989	1.5	117953.000
Si	28	2	H2	3098.018343	6.4	12335198.667
K	39	1	He	1138.973315	1.8	1749061.067
Ca	43	1	He	44581.46990	1.2	196189.297
Ca	44	1	He	45063.84160	1.6	3321087.740
Ti	47	1	He	6.220417	4.0	2941.587
V	51	1	He	2.340760	4.6	24566.070
Cr	52	1	He	1.888438	1.6	25736.890
Mn	55	1	He	4.547683	1.8	46750.673
Fe	56	1	He	204.507096	0.7	2513525.500
Co	59	1	He	0.102223	2.5	2068.127
Ni	60	1	He	0.176737	12.0	1621.410
Cu	63	1	He	0.437591	2.4	5619.563
Zn	66	1	He	2.583616	2.9	6691.933
As	75	1	He	0.727739	4.3	1740.917
Se	78	2	H2	0.693465	3.3	729.353
Sr	88	1	He	556.409757	1.4	9783477.560
Mo	95	1	He	0.202961	2.2	1566.753
Pd	105	1	He	0.086794	15.2	1006.720
Ag	107	1	He	0.045707	9.1	1835.117
Cd	111	1	He	0.005874	50.7	27.863
Sn	118	1	He	0.164455	7.6	1995.137
Sb	121	1	He	0.014814	22.7	301.670
Ba	138	1	He	32.759231	0.8	1214931.517
Pt	195	1	He	0.003477	127.7	133.337
Hg	202	1	He	0.004302	22.5	103.333
Tl	205	1	He	0.000062	4615.2	726.690
Pb	206	1	He	0.241459	4.2	4223.940
Pb	207	1	He	0.235401	0.6	4283.950
Pb	208	1	He	0.239044	3.0	17348.743
Bi	209	1	He	0.007370	7.1	1900.143
Th	232	1	He	0.039584	4.8	2993.650
U	238	1	He	0.576852	0.3	43926.650

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	87.44344522	956305.127
Sc	45	2	H2	85.96354713	5761424.500
Ge	72	1	He	85.92193220	581813.023
Ge	72	2	H2	87.62754489	1589435.290
In	115	1	He	87.25792673	6360573.613
Tb	159	1	He	91.81500415	14866886.863
Ir	193	1	He	89.16701439	6970383.437

Sample Name	4319208_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	177SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:47:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	155.593966	1.3	101315.963
Be	9	2	H2	98.435313	2.2	54661.297
B	11	2	H2	251.083766	3.6	149061.993
Na	23	1	He	95186.22832	0.9	162363957.580
Mg	24	1	He	96873.39284	1.1	91782398.630
Al	27	1	He	3448.359035	1.3	1769635.790
Si	28	2	H2	15075.23786	5.8	56947948.000
K	39	1	He	7785.186805	0.4	11099906.497
Ca	43	1	He	223164.2439	0.9	966958.700
Ca	44	1	He	222263.2634	0.9	16127569.600
Ti	47	1	He	136.200262	0.4	63360.117
V	51	1	He	120.746608	0.8	1327264.727
Cr	52	1	He	116.499247	1.1	1533001.623
Mn	55	1	He	127.116527	0.5	1264177.377
Fe	56	1	He	3175.985052	1.1	38212094.667
Co	59	1	He	107.090507	1.8	2007457.837
Ni	60	1	He	105.533256	1.8	484953.020
Cu	63	1	He	105.618320	1.2	1249130.087
Zn	66	1	He	114.107581	1.3	278285.877
As	75	1	He	109.798759	1.3	219430.753
Se	78	2	H2	103.312372	1.5	100840.413
Sr	88	1	He	2977.268881	0.3	48946675.937
Mo	95	1	He	111.681884	1.5	825128.217
Pd	105	1	He	20.155862	0.5	211532.607
Ag	107	1	He	46.464624	2.4	972445.323
Cd	111	1	He	101.513708	1.0	404108.233
Sn	118	1	He	104.644295	0.4	1093856.183
Sb	121	1	He	102.193552	0.5	1393672.793
Ba	138	1	He	277.627002	1.2	9873640.270
Pt	195	1	He	20.167347	0.7	266986.403
Hg	202	1	He	0.021398	44.7	213.340
Tl	205	1	He	102.936337	1.8	4977936.907
Pb	206	1	He	103.346108	1.9	1697266.487
Pb	207	1	He	104.310737	1.3	1431257.947
Pb	208	1	He	103.204634	1.2	6685688.027
Bi	209	1	He	100.391197	1.1	5117797.840
Th	232	1	He	108.717551	0.6	7663975.510
U	238	1	He	107.100928	2.0	7722359.050

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.09952814	941607.687
Sc	45	2	H2	81.55097738	5465686.500
Ge	72	1	He	83.38481141	564633.127
Ge	72	2	H2	83.12358192	1507740.000
In	115	1	He	81.58301786	5946907.177
Tb	159	1	He	88.05477744	14258022.707
Ir	193	1	He	84.58973040	6612566.987

Sample Name	4319209_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	178SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:51:21
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	161.092189	2.0	103769.863
Be	9	2	H2	100.961677	3.3	55453.857
B	11	2	H2	270.089725	4.5	158361.953
Na	23	1	He	97427.87051	0.4	166439860.853
Mg	24	1	He	98876.18078	0.5	93822768.603
Al	27	1	He	3337.016855	0.7	1715110.543
Si	28	2	H2	15561.26762	5.5	58098076.000
K	39	1	He	7817.770637	0.7	11162622.747
Ca	43	1	He	227608.3418	0.1	987717.130
Ca	44	1	He	227609.0852	0.9	16540313.200
Ti	47	1	He	130.937985	0.7	61003.493
V	51	1	He	119.755988	1.4	1318362.513
Cr	52	1	He	115.229109	0.4	1518599.670
Mn	55	1	He	126.040348	0.4	1255386.170
Fe	56	1	He	3071.518760	0.9	37011625.333
Co	59	1	He	106.440205	1.0	1992678.877
Ni	60	1	He	105.260085	0.4	483077.783
Cu	63	1	He	104.368422	0.7	1232693.250
Zn	66	1	He	111.205716	0.2	270862.873
As	75	1	He	109.141331	0.4	217830.160
Se	78	2	H2	106.828273	1.7	102543.097
Sr	88	1	He	3063.521292	1.1	49809340.927
Mo	95	1	He	111.761285	0.4	824631.340
Pd	105	1	He	20.581700	1.4	213624.943
Ag	107	1	He	46.654362	2.2	965631.757
Cd	111	1	He	102.323211	0.7	402847.540
Sn	118	1	He	104.723705	1.1	1082617.743
Sb	121	1	He	103.028351	0.1	1389622.373
Ba	138	1	He	272.528597	0.4	9602682.773
Pt	195	1	He	20.185507	1.6	264749.477
Hg	202	1	He	0.018701	19.7	193.337
Tl	205	1	He	103.140455	0.9	4941694.927
Pb	206	1	He	103.739767	0.9	1687978.670
Pb	207	1	He	103.801970	1.0	1411038.053
Pb	208	1	He	103.192622	0.7	6622850.627
Bi	209	1	He	100.869801	1.2	5094324.193
Th	232	1	He	109.390502	1.0	7597943.430
U	238	1	He	107.652782	1.2	7648269.887

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.22947647	943028.837
Sc	45	2	H2	80.68595179	5407711.000
Ge	72	1	He	83.26882728	563847.750
Ge	72	2	H2	81.75978894	1483002.793
In	115	1	He	80.68678444	5881577.197
Tb	159	1	He	87.23725259	14125647.290
Ir	193	1	He	83.34873378	6515555.527

Sample Name	10607493002_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	179SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:54:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	57.066515	0.6	35722.920
Be	9	2	H2	0.048238	18.1	30.833
B	11	2	H2	1287.936413	2.4	723997.957
Na	23	1	He	360999.9938	0.5	611353190.887
Mg	24	1	He	102779.3357	1.2	96683588.560
Al	27	1	He	4.764581	3.8	2646.527
Si	28	2	H2	15347.94703	4.3	55627293.333
K	39	1	He	6098.081915	1.1	8657110.497
Ca	43	1	He	274237.4728	2.1	1179746.667
Ca	44	1	He	274893.8518	1.7	19804079.543
Ti	47	1	He	0.169904	13.8	81.333
V	51	1	He	10.382451	0.3	111890.030
Cr	52	1	He	21.627621	1.2	282969.083
Mn	55	1	He	0.880909	1.2	9524.530
Fe	56	1	He	7.773608	1.1	108041.977
Co	59	1	He	0.080926	4.6	1531.407
Ni	60	1	He	0.595074	1.6	3328.320
Cu	63	1	He	0.183835	3.2	2337.497
Zn	66	1	He	4.596085	2.9	10859.980
As	75	1	He	4.152169	1.8	8123.683
Se	78	2	H2	5.060609	2.1	4750.640
Sr	88	1	He	3773.605514	1.1	60683055.760
Mo	95	1	He	0.955544	1.9	6748.020
Pd	105	1	He	0.570285	4.9	5884.477
Ag	107	1	He	0.266770	21.4	6196.203
Cd	111	1	He	0.010325	64.7	42.977
Sn	118	1	He	0.097626	2.7	1141.717
Sb	121	1	He	0.032716	11.9	515.013
Ba	138	1	He	35.727798	0.1	1238619.720
Pt	195	1	He	0.006982	60.3	170.003
Hg	202	1	He	0.022815	55.5	216.673
Tl	205	1	He	0.025445	20.5	1873.457
Pb	206	1	He	0.017732	20.3	368.343
Pb	207	1	He	0.013211	41.8	1035.043
Pb	208	1	He	0.017228	13.3	2215.083
Bi	209	1	He	0.006766	55.3	1746.803
Th	232	1	He	0.023700	7.6	1638.443
U	238	1	He	5.828990	1.1	400435.227

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	85.48704418	934909.397
Sc	45	2	H2	78.35563746	5251529.333
Ge	72	1	He	79.45359491	538013.230
Ge	72	2	H2	79.72171548	1446035.127
In	115	1	He	79.80492483	5817294.980
Tb	159	1	He	85.82530645	13897021.873
Ir	193	1	He	80.57802187	6298962.827

Sample Name	10607493003_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	180SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:58:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	56.644288	1.0	35963.380
Be	9	2	H2	0.033112	12.6	23.000
B	11	2	H2	1087.893995	2.2	620730.963
Na	23	1	He	360462.4982	1.9	621070990.747
Mg	24	1	He	97414.68990	1.1	93240681.943
Al	27	1	He	14.832352	3.4	7913.037
Si	28	2	H2	14309.51328	4.1	52621754.667
K	39	1	He	5995.510467	1.6	8662170.500
Ca	43	1	He	253891.1613	1.1	1111361.243
Ca	44	1	He	257474.5007	1.5	18873016.543
Ti	47	1	He	0.230979	16.4	111.333
V	51	1	He	10.107394	1.8	110796.053
Cr	52	1	He	11.536791	1.3	153819.433
Mn	55	1	He	215.514987	1.2	2164604.833
Fe	56	1	He	13.027245	0.9	173776.233
Co	59	1	He	0.493625	2.9	9077.650
Ni	60	1	He	2.827311	1.9	13343.617
Cu	63	1	He	0.309937	1.5	3831.753
Zn	66	1	He	3.589127	2.0	8690.127
As	75	1	He	3.788055	2.7	7576.443
Se	78	2	H2	3.821025	2.6	3607.037
Sr	88	1	He	3452.814081	1.0	56167827.497
Mo	95	1	He	1.892831	2.2	13605.447
Pd	105	1	He	0.522757	0.8	5457.643
Ag	107	1	He	0.076052	17.1	2325.177
Cd	111	1	He	0.012671	46.4	52.587
Sn	118	1	He	0.147786	11.3	1673.430
Sb	121	1	He	0.039945	7.8	618.350
Ba	138	1	He	39.177148	1.1	1371757.637
Pt	195	1	He	0.010159	8.5	213.340
Hg	202	1	He	0.018367	0.4	190.010
Tl	205	1	He	0.005673	67.2	951.703
Pb	206	1	He	0.035135	10.9	653.353
Pb	207	1	He	0.022566	44.5	1171.723
Pb	208	1	He	0.032252	3.6	3195.153
Bi	209	1	He	0.007968	73.9	1823.483
Th	232	1	He	0.011407	25.1	825.033
U	238	1	He	10.406509	0.4	725204.470

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.98562611	951298.293
Sc	45	2	H2	79.47867643	5326797.333
Ge	72	1	He	81.01039321	548554.957
Ge	72	2	H2	80.08190150	1452568.373
In	115	1	He	80.72946783	5884688.557
Tb	159	1	He	86.68242079	14035807.707
Ir	193	1	He	81.74589724	6390258.237

Sample Name	10607493004_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	181SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:02:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	59.428566	0.1	37468.927
Be	9	2	H2	0.054174	26.7	34.167
B	11	2	H2	1132.263548	3.0	641408.310
Na	23	1	He	371731.9659	0.7	637322883.837
Mg	24	1	He	100844.7456	1.4	96039018.567
Al	27	1	He	4.321194	1.9	2450.833
Si	28	2	H2	15026.93650	4.6	54855833.333
K	39	1	He	6146.955372	0.6	8833927.577
Ca	43	1	He	261363.0400	0.2	1138352.023
Ca	44	1	He	262702.4807	0.8	19160411.420
Ti	47	1	He	0.149257	42.2	72.667
V	51	1	He	10.136922	1.7	110560.503
Cr	52	1	He	11.727123	0.5	155570.353
Mn	55	1	He	224.073673	1.0	2239310.583
Fe	56	1	He	11.176044	0.6	150514.313
Co	59	1	He	0.505740	3.1	9319.767
Ni	60	1	He	2.836018	1.1	13415.010
Cu	63	1	He	0.239462	7.4	3030.930
Zn	66	1	He	2.950575	1.7	7194.800
As	75	1	He	3.866856	0.7	7748.680
Se	78	2	H2	3.997865	3.4	3760.403
Sr	88	1	He	3571.078136	1.1	57998980.800
Mo	95	1	He	1.444185	0.8	10411.527
Pd	105	1	He	0.516542	1.8	5384.270
Ag	107	1	He	0.046015	5.0	1701.767
Cd	111	1	He	0.031138	22.1	125.213
Sn	118	1	He	0.150455	4.4	1698.437
Sb	121	1	He	0.040769	8.7	628.353
Ba	138	1	He	40.498683	0.3	1412571.697
Pt	195	1	He	0.011509	34.9	230.007
Hg	202	1	He	0.023569	9.7	223.343
Tl	205	1	He	0.004089	30.7	873.367
Pb	206	1	He	0.026388	17.2	510.013
Pb	207	1	He	0.024416	29.9	1191.723
Pb	208	1	He	0.028333	12.2	2933.463
Bi	209	1	He	0.016246	27.0	2230.213
Th	232	1	He	0.013193	5.1	943.370
U	238	1	He	10.652895	1.0	739918.453

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.54490424	946478.440
Sc	45	2	H2	78.92139438	5289447.333
Ge	72	1	He	81.20637048	549882.000
Ge	72	2	H2	79.82097708	1447835.587
In	115	1	He	80.59902451	5875180.030
Tb	159	1	He	86.34878575	13981784.790
Ir	193	1	He	81.47398164	6369001.990

Sample Name	10607493005_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	182SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:05:47
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	45.259031	0.8	28968.930
Be	9	2	H2	0.032194	19.0	22.667
B	11	2	H2	1148.506739	2.3	660165.760
Na	23	1	He	330888.3929	1.5	567630244.873
Mg	24	1	He	91507.04617	2.0	87196668.700
Al	27	1	He	14.081450	1.2	7489.517
Si	28	2	H2	14705.96605	4.5	54487246.667
K	39	1	He	5179.883399	1.1	7466802.597
Ca	43	1	He	259424.8479	1.2	1130568.393
Ca	44	1	He	260685.2520	1.5	19024647.260
Ti	47	1	He	0.199152	15.5	96.000
V	51	1	He	6.581844	8.8	71246.387
Cr	52	1	He	116.596723	1.5	1543134.460
Mn	55	1	He	0.235678	1.4	3198.967
Fe	56	1	He	14.954947	0.7	196326.930
Co	59	1	He	0.099692	5.5	1897.443
Ni	60	1	He	1.201058	1.9	6077.043
Cu	63	1	He	0.253882	4.3	3178.297
Zn	66	1	He	1.921717	1.9	4727.303
As	75	1	He	3.886275	1.8	7743.513
Se	78	2	H2	5.508641	3.3	5235.113
Sr	88	1	He	3190.967425	0.6	52226402.553
Mo	95	1	He	0.980315	3.1	7034.817
Pd	105	1	He	0.467791	6.7	4917.450
Ag	107	1	He	0.031684	14.1	1416.737
Cd	111	1	He	0.032032	29.4	129.557
Sn	118	1	He	0.162816	4.2	1840.120
Sb	121	1	He	0.041020	5.9	636.687
Ba	138	1	He	37.780489	1.0	1312462.297
Pt	195	1	He	0.008234	52.4	186.670
Hg	202	1	He	0.012957	16.5	153.333
Tl	205	1	He	0.005410	37.5	931.700
Pb	206	1	He	0.052712	4.5	930.037
Pb	207	1	He	0.048783	22.1	1513.420
Pb	208	1	He	0.052837	5.4	4471.940
Bi	209	1	He	0.026761	18.4	2743.623
Th	232	1	He	0.015590	2.6	1093.387
U	238	1	He	8.409359	0.8	577370.953

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.59989313	947079.813
Sc	45	2	H2	80.08284130	5367289.500
Ge	72	1	He	80.76282111	546878.543
Ge	72	2	H2	80.71959100	1464135.127
In	115	1	He	81.21908959	5920379.013
Tb	159	1	He	86.00324942	13925834.790
Ir	193	1	He	80.53429893	6295544.907

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	183_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:09:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	78.610044	6.5	53113.043
Be	9	2	H2	77.855331	6.3	44814.847
B	11	2	H2	87.470830	7.7	55509.867
Na	23	1	He	2123.732772	2.2	3625418.487
Mg	24	1	He	2027.319834	1.6	1917281.797
Al	27	1	He	1970.596402	1.4	1007925.087
Si	28	2	H2	964.331957	7.0	3781887.500
K	39	1	He	2021.540758	1.7	2957413.390
Ca	43	1	He	1999.385088	2.0	8642.740
Ca	44	1	He	1969.155285	2.9	142556.207
Ti	47	1	He	75.513959	1.7	35008.830
V	51	1	He	80.405265	1.6	880297.897
Cr	52	1	He	81.298297	2.0	1066312.520
Mn	55	1	He	82.636605	1.1	819305.540
Fe	56	1	He	1022.304742	2.3	12268490.000
Co	59	1	He	82.351711	2.0	1582124.960
Ni	60	1	He	82.171935	1.6	387149.520
Cu	63	1	He	84.184698	1.3	1020392.123
Zn	66	1	He	80.557095	1.0	201400.467
As	75	1	He	77.456253	1.3	158707.423
Se	78	2	H2	75.828622	1.7	75748.893
Sr	88	1	He	75.660503	1.0	1311318.313
Mo	95	1	He	80.934947	0.9	612799.143
Pd	105	1	He	78.941695	0.3	873144.310
Ag	107	1	He	39.494487	2.5	871198.190
Cd	111	1	He	77.562910	0.6	325443.897
Sn	118	1	He	77.387320	1.0	852719.467
Sb	121	1	He	74.346626	0.9	1068746.103
Ba	138	1	He	78.016651	0.9	2839461.210
Pt	195	1	He	78.303737	1.6	1060532.170
Hg	202	1	He	3.678452	3.8	25193.420
Tl	205	1	He	39.896537	0.3	1974841.223
Pb	206	1	He	80.247427	1.4	1348656.597
Pb	207	1	He	83.575557	0.8	1173640.737
Pb	208	1	He	81.418597	0.9	5397597.290
Bi	209	1	He	83.159208	1.4	4338441.707
Th	232	1	He	78.370465	2.0	5829233.663
U	238	1	He	76.352328	2.7	5808931.163

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	85.80391029	938374.730
Sc	45	2	H2	84.53795448	5665878.833
Ge	72	1	He	85.44474190	578581.770
Ge	72	2	H2	85.08691817	1543352.043
In	115	1	He	85.99005535	6268153.480
Tb	159	1	He	90.10525037	14590039.780
Ir	193	1	He	89.25519048	6977276.357

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	184_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:12:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.078484	5.2	116.167
Be	9	2	H2	0.025983	16.9	21.333
B	11	2	H2	6.993436	12.1	7151.510
Na	23	1	He	53.627384	3.1	109013.800
Mg	24	1	He	0.500494	65.8	3645.403
Al	27	1	He	0.275353	12.3	369.000
Si	28	2	H2	0.883729	81.6	14807.747
K	39	1	He	12.997785	13.2	136013.917
Ca	43	1	He	7.730237	28.0	43.613
Ca	44	1	He	7.718260	26.5	737.063
Ti	47	1	He	0.012119	72.2	8.667
V	51	1	He	-0.045931		-2112.697
Cr	52	1	He	0.005486	15.2	583.343
Mn	55	1	He	-0.061075		235.333
Fe	56	1	He	0.008526	74.7	15717.500
Co	59	1	He	0.001170	117.3	116.000
Ni	60	1	He	-0.131895		162.667
Cu	63	1	He	0.016794	17.6	492.677
Zn	66	1	He	0.006031	209.6	218.667
As	75	1	He	0.005607	110.4	255.667
Se	78	2	H2	0.006051	40.2	22.333
Sr	88	1	He	0.079274	5.5	1643.423
Mo	95	1	He	0.011158	28.1	106.667
Pd	105	1	He	0.014465	35.7	200.007
Ag	107	1	He	0.224224	9.0	5987.747
Cd	111	1	He	0.003498	114.1	18.300
Sn	118	1	He	0.028348	25.7	486.677
Sb	121	1	He	0.004362	63.2	153.333
Ba	138	1	He	0.014722	22.4	701.690
Pt	195	1	He	0.006170	63.3	173.337
Hg	202	1	He	0.013072	115.7	166.670
Tl	205	1	He	0.038240	19.6	2685.260
Pb	206	1	He	0.003654	33.2	155.000
Pb	207	1	He	0.002148	240.4	961.710
Pb	208	1	He	0.003159	39.3	1438.383
Bi	209	1	He	0.007027	21.8	1906.820
Th	232	1	He	0.008724	30.2	730.027
U	238	1	He	0.003431	4.9	356.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	87.70660593	959183.123
Sc	45	2	H2	88.39070321	5924096.667
Ge	72	1	He	86.00840748	582398.583
Ge	72	2	H2	88.84063220	1611438.917
In	115	1	He	89.67736904	6536936.283
Tb	159	1	He	93.04675571	15066334.777
Ir	193	1	He	92.86656501	7259585.520

Sample Name	10607493007_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	185SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:16:32
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	59.318496	1.9	37690.637
Be	9	2	H2	0.061053	4.2	38.167
B	11	2	H2	246.028001	4.9	142447.897
Na	23	1	He	77143.27973	0.7	127055001.440
Mg	24	1	He	87515.60211	1.1	80058250.473
Al	27	1	He	256.578181	1.3	127331.463
Si	28	2	H2	14310.49469	6.4	52689053.333
K	39	1	He	9174.048020	0.8	12609322.727
Ca	43	1	He	200645.3436	0.6	839431.683
Ca	44	1	He	202221.6863	1.1	14167390.527
Ti	47	1	He	6.178285	2.2	2777.560
V	51	1	He	8.730423	1.7	91258.700
Cr	52	1	He	7.302625	1.1	93235.470
Mn	55	1	He	17.377914	0.1	167567.853
Fe	56	1	He	212.406011	1.5	2481258.333
Co	59	1	He	0.179175	4.8	3288.983
Ni	60	1	He	0.590753	1.3	3312.980
Cu	63	1	He	0.716377	2.5	8344.623
Zn	66	1	He	6.500953	0.9	15299.200
As	75	1	He	3.250528	1.6	6414.657
Se	78	2	H2	4.259430	3.1	4020.460
Sr	88	1	He	2412.797792	1.6	39160083.583
Mo	95	1	He	0.696848	0.8	4930.737
Pd	105	1	He	0.376911	4.0	3933.867
Ag	107	1	He	0.082191	9.1	2446.860
Cd	111	1	He	0.024391	21.1	98.520
Sn	118	1	He	0.311650	3.3	3360.360
Sb	121	1	He	0.067287	4.1	985.040
Ba	138	1	He	90.027274	1.0	3139043.807
Pt	195	1	He	0.014052	35.1	263.343
Hg	202	1	He	0.028257	76.7	253.343
Tl	205	1	He	0.021344	21.1	1690.107
Pb	206	1	He	0.256468	2.1	4213.927
Pb	207	1	He	0.250610	7.0	4233.927
Pb	208	1	He	0.254038	0.7	17265.370
Bi	209	1	He	0.019709	12.8	2403.563
Th	232	1	He	0.038111	7.4	2693.590
U	238	1	He	6.791166	0.6	482072.520

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.13202856	909154.310
Sc	45	2	H2	79.48645501	5327318.667
Ge	72	1	He	79.52726883	538512.107
Ge	72	2	H2	80.10717918	1453026.873
In	115	1	He	80.54636050	5871341.143
Tb	159	1	He	86.32942717	13978650.207
Ir	193	1	He	83.26257253	6508820.110

Sample Name	10607493008_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	186SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:20:09
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	61.315485	3.8	41813.867
Be	9	2	H2	0.051923	1.6	35.667
B	11	2	H2	97.901823	2.8	62347.333
Na	23	1	He	30924.21841	0.7	52979825.877
Mg	24	1	He	10563.73528	0.6	10053293.393
Al	27	1	He	313.239060	0.4	161624.077
Si	28	2	H2	2292.714299	5.8	9063032.833
K	39	1	He	5846.709047	0.4	8399735.917
Ca	43	1	He	56511.42629	0.6	245890.733
Ca	44	1	He	57628.56277	1.0	4199152.020
Ti	47	1	He	8.428242	1.3	3939.770
V	51	1	He	2.887035	5.2	30326.067
Cr	52	1	He	2.479767	1.1	33260.380
Mn	55	1	He	13.100481	0.8	131583.840
Fe	56	1	He	296.018287	0.7	3590422.000
Co	59	1	He	0.204670	2.9	3951.113
Ni	60	1	He	0.749633	0.5	4228.513
Cu	63	1	He	3.259152	0.9	39058.870
Zn	66	1	He	23.884609	0.5	58769.720
As	75	1	He	0.559325	0.8	1361.717
Se	78	2	H2	0.791478	1.2	811.687
Sr	88	1	He	1870.024849	0.5	32565598.683
Mo	95	1	He	3.759310	2.5	27964.120
Pd	105	1	He	0.287190	6.6	3223.707
Ag	107	1	He	0.034825	4.1	1576.753
Cd	111	1	He	0.279150	2.8	1180.000
Sn	118	1	He	0.421086	4.3	4817.387
Sb	121	1	He	0.688001	3.1	10023.033
Ba	138	1	He	463.158899	0.2	17116260.993
Pt	195	1	He	0.010287	30.2	226.677
Hg	202	1	He	0.018255	27.1	200.007
Tl	205	1	He	0.016699	10.8	1558.423
Pb	206	1	He	0.599842	6.1	10323.420
Pb	207	1	He	0.604882	4.5	9536.270
Pb	208	1	He	0.605728	1.3	41968.413
Bi	209	1	He	0.056639	20.4	4504.100
Th	232	1	He	0.058037	4.8	4383.980
U	238	1	He	0.727749	1.4	55645.307

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.45899897	945538.957
Sc	45	2	H2	85.28928558	5716234.333
Ge	72	1	He	83.89837914	568110.707
Ge	72	2	H2	85.69344216	1554353.500
In	115	1	He	86.41816276	6299359.913
Tb	159	1	He	91.49734644	14815451.030
Ir	193	1	He	89.56851577	7001769.690

Sample Name	10607493012_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	187SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:23:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	54.180835	1.9	33809.770
Be	9	2	H2	0.023967	9.0	17.833
B	11	2	H2	1173.607008	2.5	658096.773
Na	23	1	He	368497.7434	0.5	620603764.087
Mg	24	1	He	101582.2507	0.5	95033185.250
Al	27	1	He	24.837298	1.4	12802.750
Si	28	2	H2	14780.85115	3.8	53436461.333
K	39	1	He	6281.551984	0.7	8865107.573
Ca	43	1	He	270187.8802	1.2	1156010.170
Ca	44	1	He	270633.6246	0.4	19390231.500
Ti	47	1	He	0.189811	12.1	90.000
V	51	1	He	9.469870	3.3	101348.137
Cr	52	1	He	31.586955	0.5	410782.583
Mn	55	1	He	0.975973	1.0	10405.013
Fe	56	1	He	10.672632	0.7	141877.603
Co	59	1	He	0.141271	5.2	2601.530
Ni	60	1	He	4.090293	1.0	18558.233
Cu	63	1	He	0.874341	1.4	10090.853
Zn	66	1	He	17.592775	2.4	40923.770
As	75	1	He	3.827447	1.1	7485.737
Se	78	2	H2	5.235182	3.0	4856.003
Sr	88	1	He	3473.386326	0.7	55417934.177
Mo	95	1	He	0.928501	2.0	6537.957
Pd	105	1	He	0.501330	1.5	5134.227
Ag	107	1	He	0.036970	12.2	1488.413
Cd	111	1	He	0.035048	3.3	138.040
Sn	118	1	He	0.089145	3.9	1046.710
Sb	121	1	He	0.038322	18.7	585.013
Ba	138	1	He	40.428177	1.4	1379560.343
Pt	195	1	He	0.005598	28.0	150.000
Hg	202	1	He	0.006625	23.4	110.000
Tl	205	1	He	0.007122	4.1	995.043
Pb	206	1	He	0.131620	9.0	2156.827
Pb	207	1	He	0.110367	4.0	2296.860
Pb	208	1	He	0.121064	1.1	8632.603
Bi	209	1	He	0.016411	17.8	2190.197
Th	232	1	He	0.010777	10.2	755.027
U	238	1	He	9.749798	0.6	656157.897

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	85.01424617	929738.750
Sc	45	2	H2	78.12971069	5236387.333
Ge	72	1	He	79.23477948	536531.540
Ge	72	2	H2	78.81994530	1429678.337
In	115	1	He	79.17397467	5771302.540
Tb	159	1	He	84.47857688	13678956.467
Ir	193	1	He	78.94436659	6171256.367

Sample Name	10607493013_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	188SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:27:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	54.481462	1.1	34385.450
Be	9	2	H2	0.029218	5.6	20.833
B	11	2	H2	1193.471453	2.1	676412.853
Na	23	1	He	373931.3523	0.4	634765363.873
Mg	24	1	He	103310.3043	0.5	97416321.880
Al	27	1	He	82.005374	0.3	42099.123
Si	28	2	H2	14978.35424	4.6	54727730.667
K	39	1	He	6389.535002	1.5	9086890.907
Ca	43	1	He	277676.0720	1.0	1197425.880
Ca	44	1	He	274301.5670	1.4	19808684.403
Ti	47	1	He	0.278761	30.0	132.000
V	51	1	He	9.775289	1.5	105504.643
Cr	52	1	He	31.414656	0.7	411787.657
Mn	55	1	He	16.712003	1.0	166131.347
Fe	56	1	He	825.207074	1.7	9892242.000
Co	59	1	He	0.144489	3.7	2657.537
Ni	60	1	He	2.372783	2.0	11058.760
Cu	63	1	He	0.564164	0.8	6597.890
Zn	66	1	He	3.564973	1.9	8435.337
As	75	1	He	3.953914	1.3	7718.000
Se	78	2	H2	5.306468	3.1	4962.363
Sr	88	1	He	3500.127122	1.5	56418715.827
Mo	95	1	He	0.971066	4.3	6829.743
Pd	105	1	He	0.564298	4.4	5834.437
Ag	107	1	He	0.022804	16.0	1213.390
Cd	111	1	He	0.015031	18.4	61.287
Sn	118	1	He	0.133332	6.0	1510.087
Sb	121	1	He	0.040239	5.5	616.687
Ba	138	1	He	41.904750	2.3	1445711.070
Pt	195	1	He	0.005467	98.5	150.003
Hg	202	1	He	0.021357	53.9	206.673
Tl	205	1	He	-0.002744		543.350
Pb	206	1	He	0.058770	7.5	1020.043
Pb	207	1	He	0.058214	10.6	1628.437
Pb	208	1	He	0.060519	5.5	4923.663
Bi	209	1	He	0.011666	9.2	1980.163
Th	232	1	He	0.009023	17.5	643.357
U	238	1	He	10.339023	2.2	699644.547

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	85.69101927	937140.123
Sc	45	2	H2	78.97745830	5293204.833
Ge	72	1	He	79.15433740	535986.833
Ge	72	2	H2	79.44141905	1440950.960
In	115	1	He	79.99391436	5831071.170
Tb	159	1	He	85.41566783	13830692.290
Ir	193	1	He	79.37934102	6205259.283

Sample Name	10607493014_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	189SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:30:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	55.931084	0.7	34166.387
Be	9	2	H2	0.020003	12.1	15.333
B	11	2	H2	1224.648485	1.3	671817.283
Na	23	1	He	371916.0226	0.2	614242324.180
Mg	24	1	He	102740.8727	0.3	94255931.927
Al	27	1	He	16.762323	1.4	8542.307
Si	28	2	H2	15224.37446	3.5	53857600.000
K	39	1	He	6308.572322	0.3	8730577.370
Ca	43	1	He	270879.5156	0.7	1136480.600
Ca	44	1	He	273989.8228	0.1	19250640.387
Ti	47	1	He	0.243873	13.1	112.667
V	51	1	He	9.296601	3.5	97560.157
Cr	52	1	He	32.786186	0.2	418105.170
Mn	55	1	He	1.361760	2.3	13916.690
Fe	56	1	He	19.996223	0.4	247709.407
Co	59	1	He	0.164881	3.5	2948.253
Ni	60	1	He	5.674866	1.8	24830.387
Cu	63	1	He	1.306570	0.7	14573.263
Zn	66	1	He	18.532838	1.0	42029.017
As	75	1	He	3.855202	1.7	7349.513
Se	78	2	H2	5.421587	0.5	4892.017
Sr	88	1	He	3506.316996	1.6	54545764.190
Mo	95	1	He	0.992642	5.6	6814.717
Pd	105	1	He	0.550385	4.5	5494.330
Ag	107	1	He	0.011818	4.6	953.370
Cd	111	1	He	0.019551	33.7	76.290
Sn	118	1	He	0.362281	1.9	3722.103
Sb	121	1	He	0.033511	19.9	508.347
Ba	138	1	He	41.346933	1.5	1384194.040
Pt	195	1	He	0.014936	42.2	263.343
Hg	202	1	He	0.017045	11.5	173.340
Tl	205	1	He	-0.003487		493.343
Pb	206	1	He	0.174489	2.6	2778.607
Pb	207	1	He	0.174296	0.9	3078.663
Pb	208	1	He	0.169811	0.5	11441.630
Bi	209	1	He	0.006506	27.2	1673.460
Th	232	1	He	0.005703	0.8	413.343
U	238	1	He	9.825919	0.9	648818.770

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.36935841	911749.813
Sc	45	2	H2	76.47151184	5125252.000
Ge	72	1	He	77.25279135	523110.677
Ge	72	2	H2	76.64276874	1390187.543
In	115	1	He	77.20149273	5627520.570
Tb	159	1	He	82.88182232	13420406.467
Ir	193	1	He	77.45420059	6054766.783

Sample Name	10607493015_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	190SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:34:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	70.100857	1.3	43201.830
Be	9	2	H2	0.013049	20.5	11.833
B	11	2	H2	259.482753	3.8	145576.437
Na	23	1	He	130128.0647	0.5	213700663.480
Mg	24	1	He	112709.8587	1.2	102811301.803
Al	27	1	He	7.262668	0.5	3800.730
Si	28	2	H2	12345.88145	5.6	44085550.667
K	39	1	He	5894.965969	0.6	8118915.920
Ca	43	1	He	257762.1561	0.1	1075307.357
Ca	44	1	He	260716.4983	0.6	18213563.607
Ti	47	1	He	0.246913	13.8	113.333
V	51	1	He	9.027986	1.5	94148.300
Cr	52	1	He	27.650734	0.6	350685.207
Mn	55	1	He	1.497412	0.6	15135.007
Fe	56	1	He	1102.817912	1.2	12784373.667
Co	59	1	He	0.286088	2.2	5100.743
Ni	60	1	He	7.633271	1.4	33473.000
Cu	63	1	He	0.481950	2.7	5591.557
Zn	66	1	He	30.088152	0.6	68772.227
As	75	1	He	3.966375	1.1	7627.463
Se	78	2	H2	4.839858	1.3	4412.557
Sr	88	1	He	3682.731382	1.1	58124235.800
Mo	95	1	He	0.992770	4.4	6879.747
Pd	105	1	He	0.567814	10.1	5747.740
Ag	107	1	He	-0.004057		648.350
Cd	111	1	He	0.004433	111.5	19.603
Sn	118	1	He	0.043263	11.4	575.020
Sb	121	1	He	0.028998	9.1	456.677
Ba	138	1	He	103.850322	0.4	3514253.073
Pt	195	1	He	0.008611	19.4	186.673
Hg	202	1	He	0.013060	63.5	150.003
Tl	205	1	He	-0.007914		295.007
Pb	206	1	He	0.015103	24.5	318.340
Pb	207	1	He	0.009745	128.5	965.040
Pb	208	1	He	0.014464	18.3	1991.733
Bi	209	1	He	-0.001163		1320.087
Th	232	1	He	0.003375	31.5	270.007
U	238	1	He	5.080122	0.5	344333.313

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.89430857	906554.540
Sc	45	2	H2	77.13788043	5169913.167
Ge	72	1	He	77.98689940	528081.627
Ge	72	2	H2	77.41745442	1404239.207
In	115	1	He	78.32418755	5709358.213
Tb	159	1	He	83.77942936	13565748.967
Ir	193	1	He	79.50082224	6214755.740

Sample Name	4319210_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	191SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:38:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	164.608590	0.9	103554.530
Be	9	2	H2	97.439049	1.3	52263.263
B	11	2	H2	326.145977	4.3	186382.070
Na	23	1	He	126461.0478	0.8	210564996.867
Mg	24	1	He	109668.5468	1.0	101424441.823
Al	27	1	He	2102.817489	0.7	1053491.477
Si	28	2	H2	10764.05902	6.4	39287904.000
K	39	1	He	7804.402518	0.6	10861862.340
Ca	43	1	He	251168.4146	0.7	1062347.827
Ca	44	1	He	251479.4596	0.5	17812771.140
Ti	47	1	He	101.829068	2.0	46235.720
V	51	1	He	117.352098	1.3	1259083.683
Cr	52	1	He	132.790440	1.4	1705528.500
Mn	55	1	He	106.198937	1.3	1031035.707
Fe	56	1	He	3109.693436	1.5	36520485.333
Co	59	1	He	107.428147	1.4	1929732.623
Ni	60	1	He	111.661238	0.5	491694.940
Cu	63	1	He	103.574210	0.9	1173836.710
Zn	66	1	He	129.878557	0.5	303513.313
As	75	1	He	112.228560	0.3	214929.207
Se	78	2	H2	111.881043	0.4	104199.330
Sr	88	1	He	3655.133679	0.9	58179364.133
Mo	95	1	He	112.564206	1.2	796915.850
Pd	105	1	He	20.241701	0.6	205681.360
Ag	107	1	He	41.706630	4.2	845178.660
Cd	111	1	He	100.892921	0.8	388859.773
Sn	118	1	He	104.104486	0.6	1053617.903
Sb	121	1	He	103.432770	1.0	1365713.937
Ba	138	1	He	205.514166	1.3	6985230.523
Pt	195	1	He	20.209770	1.0	255709.217
Hg	202	1	He	0.019757	18.3	193.340
Tl	205	1	He	102.937624	0.7	4757690.970
Pb	206	1	He	102.601444	0.7	1610475.027
Pb	207	1	He	102.502370	0.7	1344187.950
Pb	208	1	He	101.701513	0.8	6296639.490
Bi	209	1	He	99.729554	1.7	4858890.550
Th	232	1	He	110.037366	1.1	7387063.430
U	238	1	He	109.222061	1.5	7499911.557

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	84.05111340	919205.670
Sc	45	2	H2	78.80589699	5281706.500
Ge	72	1	He	79.90274085	541054.583
Ge	72	2	H2	79.32291683	1438801.503
In	115	1	He	78.99056472	5757933.067
Tb	159	1	He	84.15597337	13626719.800
Ir	193	1	He	80.55611772	6297250.530

Sample Name	10607493016_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	192SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:41:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	65.851158	1.6	40187.713
Be	9	2	H2	0.041916	22.9	26.833
B	11	2	H2	252.187795	4.3	140175.427
Na	23	1	He	123851.1924	1.2	202900063.643
Mg	24	1	He	106591.1369	1.6	96995688.553
Al	27	1	He	10.373217	1.1	5324.437
Si	28	2	H2	11304.96057	6.1	39976277.333
K	39	1	He	5679.103582	1.1	7806673.220
Ca	43	1	He	250745.9725	0.7	1043490.033
Ca	44	1	He	252823.9169	1.3	17619373.450
Ti	47	1	He	0.205684	13.9	94.667
V	51	1	He	7.538671	2.3	78178.003
Cr	52	1	He	12.674599	0.4	160613.827
Mn	55	1	He	5.645808	1.9	54696.140
Fe	56	1	He	65.716987	1.0	773821.393
Co	59	1	He	0.265562	3.0	4743.310
Ni	60	1	He	1.050210	3.9	5222.773
Cu	63	1	He	0.609091	0.8	7000.720
Zn	66	1	He	3.124353	2.2	7310.180
As	75	1	He	3.218940	0.3	6235.087
Se	78	2	H2	4.543163	0.9	4113.817
Sr	88	1	He	3529.795691	1.1	55905574.167
Mo	95	1	He	1.090367	7.1	7558.377
Pd	105	1	He	0.522493	3.8	5310.927
Ag	107	1	He	0.294893	21.8	6673.030
Cd	111	1	He	0.064781	12.0	251.070
Sn	118	1	He	0.227131	4.6	2428.533
Sb	121	1	He	0.054765	8.2	796.693
Ba	138	1	He	98.197670	0.3	3333320.263
Pt	195	1	He	0.007770	15.2	176.670
Hg	202	1	He	0.009869	97.3	130.003
Tl	205	1	He	0.053915	25.1	3148.683
Pb	206	1	He	0.536406	1.5	8490.677
Pb	207	1	He	0.525944	4.4	7723.617
Pb	208	1	He	0.542116	0.6	34616.667
Bi	209	1	He	0.030354	6.0	2856.980
Th	232	1	He	0.030279	12.9	2031.823
U	238	1	He	4.117238	1.8	276294.737

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.69146457	904336.183
Sc	45	2	H2	76.37304127	5118652.333
Ge	72	1	He	78.02599463	528346.357
Ge	72	2	H2	76.87337795	1394370.457
In	115	1	He	78.59615138	5729182.727
Tb	159	1	He	84.04053985	13608028.550
Ir	193	1	He	78.71229881	6153115.113

Sample Name	10607493017_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	193SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:45:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	67.671343	1.3	40698.833
Be	9	2	H2	0.034986	23.6	22.667
B	11	2	H2	259.309691	4.0	142003.293
Na	23	1	He	127220.6269	0.5	203347330.303
Mg	24	1	He	108962.3052	1.2	96738238.560
Al	27	1	He	51.944920	0.7	25184.683
Si	28	2	H2	11707.36911	5.4	40803497.333
K	39	1	He	5834.682020	0.5	7822461.340
Ca	43	1	He	251997.7859	0.7	1023181.933
Ca	44	1	He	254595.3152	1.1	17311030.153
Ti	47	1	He	2.160696	18.1	944.057
V	51	1	He	7.855136	3.3	79530.047
Cr	52	1	He	21.686897	0.8	267800.147
Mn	55	1	He	10.359769	0.5	97267.020
Fe	56	1	He	652.733951	0.7	7370734.500
Co	59	1	He	0.219330	0.9	3851.757
Ni	60	1	He	7.986926	1.7	34285.843
Cu	63	1	He	606.147159	2.1	6568455.500
Zn	66	1	He	747.124633	1.6	1668940.663
As	75	1	He	3.464353	1.3	6555.533
Se	78	2	H2	4.664643	1.5	4161.160
Sr	88	1	He	3615.582090	1.1	56027994.167
Mo	95	1	He	1.268526	3.7	8612.197
Pd	105	1	He	0.578504	7.3	5751.107
Ag	107	1	He	0.108580	4.6	2856.940
Cd	111	1	He	0.149237	10.6	562.430
Sn	118	1	He	0.395035	3.9	4030.517
Sb	121	1	He	0.085792	15.1	1178.387
Ba	138	1	He	109.956517	0.9	3659676.720
Pt	195	1	He	0.008319	73.4	180.003
Hg	202	1	He	0.013470	31.9	150.003
Tl	205	1	He	0.015106	18.3	1331.737
Pb	206	1	He	20.199628	1.0	310530.530
Pb	207	1	He	21.165475	1.2	272441.957
Pb	208	1	He	20.594187	1.4	1249403.053
Bi	209	1	He	0.025086	3.2	2550.253
Th	232	1	He	0.027147	2.1	1818.457
U	238	1	He	4.497849	1.4	300463.570

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.68157638	882355.503
Sc	45	2	H2	75.26804620	5044593.667
Ge	72	1	He	76.42419491	517499.907
Ge	72	2	H2	75.74559724	1373914.167
In	115	1	He	76.90077704	5605600.220
Tb	159	1	He	82.40269302	13342824.800
Ir	193	1	He	78.35156486	6124915.740

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	194_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:48:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.686888	6.7	49827.783
Be	9	2	H2	75.644671	6.0	41873.597
B	11	2	H2	82.139062	5.9	50264.800
Na	23	1	He	2093.791796	1.6	3381799.117
Mg	24	1	He	2043.484374	1.9	1828346.117
Al	27	1	He	1982.690918	1.6	959453.813
Si	28	2	H2	966.548492	7.0	3645412.333
K	39	1	He	2045.549890	1.3	2829954.750
Ca	43	1	He	2032.272415	2.3	8311.250
Ca	44	1	He	1999.121862	2.3	136920.300
Ti	47	1	He	77.668803	2.3	34068.447
V	51	1	He	81.205110	0.9	841159.700
Cr	52	1	He	81.391546	1.4	1009992.460
Mn	55	1	He	82.923346	1.0	777848.517
Fe	56	1	He	1029.681835	1.8	11690705.333
Co	59	1	He	82.790756	1.1	1500609.710
Ni	60	1	He	82.820338	1.2	368143.887
Cu	63	1	He	84.766568	1.6	969323.457
Zn	66	1	He	81.099486	1.1	191289.300
As	75	1	He	78.054737	1.4	150885.817
Se	78	2	H2	76.144327	2.2	72731.413
Sr	88	1	He	76.417759	1.2	1264121.123
Mo	95	1	He	81.495774	2.0	582146.397
Pd	105	1	He	78.565882	0.5	829416.447
Ag	107	1	He	39.543309	2.8	832600.717
Cd	111	1	He	77.733427	0.4	311310.163
Sn	118	1	He	77.342094	0.9	813363.737
Sb	121	1	He	74.706219	0.7	1024954.670
Ba	138	1	He	79.389185	1.2	2756256.833
Pt	195	1	He	78.499785	0.7	1014263.553
Hg	202	1	He	3.571715	1.1	23340.723
Tl	205	1	He	39.981879	0.4	1887953.723
Pb	206	1	He	80.526072	1.2	1291029.307
Pb	207	1	He	84.170707	1.4	1127548.163
Pb	208	1	He	82.160684	1.6	5195779.927
Bi	209	1	He	84.667530	1.9	4213521.603
Th	232	1	He	79.021019	1.0	5584610.337
U	238	1	He	76.702504	0.3	5544631.793

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	81.18348577	887844.520
Sc	45	2	H2	81.29994432	5448861.833
Ge	72	1	He	80.61810393	545898.603
Ge	72	2	H2	81.36589458	1475858.127
In	115	1	He	82.07467920	5982746.307
Tb	159	1	He	85.95941407	13918736.873
Ir	193	1	He	84.80099202	6629081.777

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	195_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:52:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.106668	11.0	128.333
Be	9	2	H2	0.020864	29.9	17.167
B	11	2	H2	7.318557	14.2	6938.140
Na	23	1	He	41.606868	5.6	80930.130
Mg	24	1	He	-0.164879		2753.570
Al	27	1	He	0.375892	33.0	386.007
Si	28	2	H2	4.784051	28.0	28909.050
K	39	1	He	21.790553	24.5	136487.577
Ca	43	1	He	3.279062	23.1	21.943
Ca	44	1	He	3.449049	45.1	384.660
Ti	47	1	He	0.007373	101.9	6.000
V	51	1	He	-0.002374		-1507.960
Cr	52	1	He	0.004517	69.5	523.343
Mn	55	1	He	-0.064162		187.333
Fe	56	1	He	0.080941	127.9	15234.427
Co	59	1	He	0.002188	101.7	124.000
Ni	60	1	He	-0.136502		129.333
Cu	63	1	He	0.025834	13.4	555.343
Zn	66	1	He	0.005785	82.0	200.667
As	75	1	He	0.027690	51.2	276.333
Se	78	2	H2	0.012756	62.2	27.667
Sr	88	1	He	0.039984	13.1	855.030
Mo	95	1	He	0.013043	24.2	111.667
Pd	105	1	He	0.014770	31.4	186.670
Ag	107	1	He	0.254523	18.6	6116.153
Cd	111	1	He	0.002209	137.9	11.633
Sn	118	1	He	0.036946	16.2	540.017
Sb	121	1	He	0.008634	39.4	200.000
Ba	138	1	He	0.014571	13.0	638.353
Pt	195	1	He	0.005168	30.9	146.667
Hg	202	1	He	0.032979	38.3	280.010
Tl	205	1	He	0.044388	22.8	2745.270
Pb	206	1	He	0.004845	55.9	161.667
Pb	207	1	He	0.007100	114.2	946.700
Pb	208	1	He	0.004854	36.2	1425.043
Bi	209	1	He	0.007667	34.5	1783.467
Th	232	1	He	0.011361	9.8	856.700
U	238	1	He	0.004063	33.0	371.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.66294358	882151.730
Sc	45	2	H2	83.30807452	5583450.167
Ge	72	1	He	79.10730439	535668.353
Ge	72	2	H2	83.75324486	1519161.163
In	115	1	He	82.39513572	6006105.643
Tb	159	1	He	85.45971421	13837824.377
Ir	193	1	He	85.41466911	6677054.277

Sample Name	4319217_B70178Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	196SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:56:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.091075	8.0	118.500
Be	9	2	H2	0.029121	3.8	22.000
B	11	2	H2	6.439898	17.5	6444.587
Na	23	1	He	51.884420	1.7	99904.980
Mg	24	1	He	2.711176	2.4	5447.517
Al	27	1	He	10.131886	2.1	5204.740
Si	28	2	H2	6.195222	11.9	34586.053
K	39	1	He	20.822190	8.5	138811.660
Ca	43	1	He	22.684133	11.4	103.313
Ca	44	1	He	22.933469	12.0	1754.447
Ti	47	1	He	0.090857	45.5	43.333
V	51	1	He	0.014168	362.2	-1356.747
Cr	52	1	He	0.200797	4.0	3016.930
Mn	55	1	He	0.025073	6.9	1044.030
Fe	56	1	He	3.623145	1.5	56560.553
Co	59	1	He	0.007950	5.9	230.667
Ni	60	1	He	-0.092276		326.670
Cu	63	1	He	0.744904	2.9	8748.150
Zn	66	1	He	1.892998	2.3	4631.280
As	75	1	He	0.021426	32.7	269.000
Se	78	2	H2	0.005939	86.2	21.000
Sr	88	1	He	0.057112	11.2	1186.717
Mo	95	1	He	0.027642	15.1	216.667
Pd	105	1	He	0.001385	77.3	46.667
Ag	107	1	He	0.064288	11.5	2210.163
Cd	111	1	He	0.013661	46.3	59.933
Sn	118	1	He	0.149846	4.4	1798.443
Sb	121	1	He	0.010995	25.3	241.670
Ba	138	1	He	0.693154	0.2	24664.763
Pt	195	1	He	0.007466	41.6	180.003
Hg	202	1	He	0.014046	5.9	163.333
Tl	205	1	He	0.006348	48.3	995.040
Pb	206	1	He	0.038177	12.4	710.023
Pb	207	1	He	0.041853	12.6	1446.750
Pb	208	1	He	0.038208	9.0	3611.853
Bi	209	1	He	0.015743	21.0	2236.870
Th	232	1	He	0.007116	16.1	573.350
U	238	1	He	0.003372	32.7	333.340

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.67792248	904188.083
Sc	45	2	H2	83.71631533	5610811.167
Ge	72	1	He	80.26787578	543527.063
Ge	72	2	H2	83.72671074	1518679.873
In	115	1	He	85.65063164	6243411.550
Tb	159	1	He	87.59888462	14184203.540
Ir	193	1	He	88.04959911	6883032.603

Sample Name	4319218_B70178Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	197SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:59:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	103.758462	5.0	66337.437
Be	9	2	H2	104.616594	4.5	56992.423
B	11	2	H2	108.763915	7.9	64776.250
Na	23	1	He	2220.906934	2.3	3559953.177
Mg	24	1	He	2149.150943	2.5	1908648.307
Al	27	1	He	2118.835241	1.9	1017834.893
Si	28	2	H2	533.893881	5.5	1986678.960
K	39	1	He	2197.887466	2.2	3010395.060
Ca	43	1	He	2156.273518	3.8	8752.680
Ca	44	1	He	2097.613437	2.0	142617.580
Ti	47	1	He	100.451095	3.0	43736.237
V	51	1	He	109.065204	2.1	1121991.377
Cr	52	1	He	109.504893	2.3	1348728.787
Mn	55	1	He	108.785551	1.6	1012751.897
Fe	56	1	He	2195.127527	2.3	24724422.000
Co	59	1	He	110.946093	2.3	2003288.710
Ni	60	1	He	111.319009	1.8	492707.313
Cu	63	1	He	111.622025	0.9	1271623.877
Zn	66	1	He	108.357448	1.4	254566.370
As	75	1	He	104.766062	1.0	201691.103
Se	78	2	H2	103.463329	1.2	97871.960
Sr	88	1	He	101.793228	1.5	1677142.893
Mo	95	1	He	107.904612	1.3	767920.537
Pd	105	1	He	20.666933	0.5	217346.807
Ag	107	1	He	47.586139	2.4	997952.013
Cd	111	1	He	103.254121	0.7	411891.733
Sn	118	1	He	101.551322	0.9	1063749.747
Sb	121	1	He	99.685007	0.7	1362281.807
Ba	138	1	He	105.675404	2.1	3651237.443
Pt	195	1	He	21.012554	1.1	270250.080
Hg	202	1	He	0.018211	63.7	186.673
Tl	205	1	He	109.107717	2.1	5126003.780
Pb	206	1	He	110.300997	2.4	1759885.913
Pb	207	1	He	109.955147	2.5	1465643.470
Pb	208	1	He	109.632730	2.5	6899566.413
Bi	209	1	He	110.309639	1.8	5463077.000
Th	232	1	He	107.499043	1.7	7615442.387
U	238	1	He	102.195378	2.1	7405073.640

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.59580064	881417.437
Sc	45	2	H2	79.99571531	5361450.167
Ge	72	1	He	80.31827096	543868.310
Ge	72	2	H2	80.56619052	1461352.667
In	115	1	He	81.75245111	5959257.833
Tb	159	1	He	85.54884651	13852256.873
Ir	193	1	He	85.01337301	6645684.070

Sample Name	92603486001_B70178Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	198SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:03:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.325406	8.6	272.667
Be	9	2	H2	0.027808	21.4	21.000
B	11	2	H2	11.003491	8.5	9085.767
Na	23	1	He	11499.03577	1.6	18817847.220
Mg	24	1	He	1022.001023	1.1	931265.900
Al	27	1	He	82.310626	0.5	40703.800
Si	28	2	H2	1393.227666	5.1	5354612.667
K	39	1	He	6689.377999	0.8	9159363.820
Ca	43	1	He	3518.156346	0.7	14623.437
Ca	44	1	He	3642.179499	1.0	253523.143
Ti	47	1	He	3.887282	7.5	1736.460
V	51	1	He	0.222280	74.5	841.463
Cr	52	1	He	1.273490	2.8	16539.737
Mn	55	1	He	36.318684	0.8	346851.270
Fe	56	1	He	205.305846	1.7	2381911.667
Co	59	1	He	0.090592	2.6	1733.420
Ni	60	1	He	1.255338	2.1	6321.127
Cu	63	1	He	11.050552	1.2	126897.680
Zn	66	1	He	566.120841	1.7	1337238.873
As	75	1	He	0.091266	8.8	406.003
Se	78	2	H2	0.177023	4.6	188.000
Sr	88	1	He	18.580805	0.9	314789.447
Mo	95	1	He	0.431023	4.0	3106.973
Pd	105	1	He	0.007648	74.4	113.337
Ag	107	1	He	0.612619	6.6	13980.753
Cd	111	1	He	5.580645	1.0	22882.710
Sn	118	1	He	1.266337	0.9	13782.300
Sb	121	1	He	0.122648	1.9	1805.113
Ba	138	1	He	6.358545	0.8	225102.933
Pt	195	1	He	0.003902	57.7	133.337
Hg	202	1	He	0.024097	16.9	230.010
Tl	205	1	He	0.073647	31.4	4228.970
Pb	206	1	He	47.970190	1.3	783792.800
Pb	207	1	He	48.298173	1.2	659734.053
Pb	208	1	He	48.180474	1.5	3105521.413
Bi	209	1	He	2.447424	1.2	125521.143
Th	232	1	He	0.021521	8.3	1605.107
U	238	1	He	0.016319	14.5	1285.063

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.54485609	902732.833
Sc	45	2	H2	82.91219040	5556917.333
Ge	72	1	He	80.80612471	547171.770
Ge	72	2	H2	83.26099673	1510232.503
In	115	1	He	84.02185712	6124683.767
Tb	159	1	He	87.59893865	14184212.290
Ir	193	1	He	86.67692745	6775727.813

Sample Name	4322689_B70178Dx25
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	199SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:06:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.135514	14.3	147.000
Be	9	2	H2	0.016428	22.5	14.667
B	11	2	H2	5.867789	15.5	6051.117
Na	23	1	He	2339.129025	1.5	3866135.463
Mg	24	1	He	208.646660	1.1	193815.153
Al	27	1	He	17.813052	3.4	9035.913
Si	28	2	H2	280.184606	6.8	1087801.393
K	39	1	He	1374.189198	1.4	1982809.607
Ca	43	1	He	701.477306	2.6	2942.843
Ca	44	1	He	743.278619	3.0	52216.097
Ti	47	1	He	1.131396	44.7	510.753
V	51	1	He	0.014180	296.0	-1364.607
Cr	52	1	He	0.262933	3.0	3821.750
Mn	55	1	He	7.259055	1.8	70446.753
Fe	56	1	He	42.461033	1.1	507740.343
Co	59	1	He	0.020662	11.1	466.010
Ni	60	1	He	0.146682	16.2	1400.060
Cu	63	1	He	2.255870	0.2	26282.500
Zn	66	1	He	114.861956	0.6	273166.863
As	75	1	He	0.015957	59.4	261.833
Se	78	2	H2	0.044202	12.8	58.333
Sr	88	1	He	3.703549	0.5	64149.707
Mo	95	1	He	0.101059	7.9	748.357
Pd	105	1	He	0.005627	81.4	93.333
Ag	107	1	He	0.155593	2.1	4215.543
Cd	111	1	He	1.081603	2.0	4525.423
Sn	118	1	He	0.343201	5.9	3920.493
Sb	121	1	He	0.028324	16.3	490.010
Ba	138	1	He	1.283449	0.9	45674.973
Pt	195	1	He	0.002111	59.4	110.000
Hg	202	1	He	0.004967	62.7	103.333
Tl	205	1	He	0.002743	20.8	823.363
Pb	206	1	He	9.610952	1.9	157536.017
Pb	207	1	He	9.689753	0.7	133434.510
Pb	208	1	He	9.540396	0.9	617590.237
Bi	209	1	He	0.482831	5.4	25984.877
Th	232	1	He	0.004840	29.6	401.677
U	238	1	He	0.003551	11.7	343.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.11121494	908926.687
Sc	45	2	H2	83.11841460	5570738.833
Ge	72	1	He	81.30459565	550547.123
Ge	72	2	H2	83.43489868	1513386.830
In	115	1	He	85.68517676	6245929.680
Tb	159	1	He	87.84354430	14223819.373
Ir	193	1	He	87.02933048	6803275.940

Sample Name	4319219_B70178Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	200SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:10:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	20.467076	5.3	13523.343
Be	9	2	H2	20.405778	3.6	11451.983
B	11	2	H2	28.481221	6.7	19333.637
Na	23	1	He	11765.39956	2.0	19291558.047
Mg	24	1	He	1445.598012	2.1	1318624.957
Al	27	1	He	502.839549	1.7	248074.730
Si	28	2	H2	1460.751839	5.7	5580211.000
K	39	1	He	7025.754520	1.4	9633754.233
Ca	43	1	He	3909.215966	1.1	16281.087
Ca	44	1	He	4004.624890	1.2	279301.373
Ti	47	1	He	20.508828	7.9	9164.173
V	51	1	He	21.662821	1.8	227512.287
Cr	52	1	He	22.679303	1.6	287077.427
Mn	55	1	He	57.315266	1.9	547994.833
Fe	56	1	He	634.064420	1.9	7340187.333
Co	59	1	He	22.187183	1.4	404579.220
Ni	60	1	He	23.286412	2.5	104640.960
Cu	63	1	He	33.806002	1.8	389006.563
Zn	66	1	He	581.801374	1.8	1379125.583
As	75	1	He	20.735116	1.7	40486.327
Se	78	2	H2	20.069896	1.2	19426.597
Sr	88	1	He	38.900351	0.5	655809.260
Mo	95	1	He	21.837522	1.6	156924.287
Pd	105	1	He	3.093188	4.6	33302.523
Ag	107	1	He	9.159815	3.5	197167.743
Cd	111	1	He	26.227113	0.5	107033.873
Sn	118	1	He	12.950998	0.6	138916.233
Sb	121	1	He	19.243452	1.0	269111.110
Ba	138	1	He	26.779140	0.9	941726.600
Pt	195	1	He	3.795214	2.8	49736.983
Hg	202	1	He	0.010683	50.0	140.000
Tl	205	1	He	20.673178	0.6	988979.257
Pb	206	1	He	67.816659	0.7	1101222.717
Pb	207	1	He	68.227756	0.1	925881.417
Pb	208	1	He	68.189723	0.9	4367657.223
Bi	209	1	He	24.198726	0.3	1220743.027
Th	232	1	He	5.012840	8.1	362286.257
U	238	1	He	19.828580	0.5	1465872.113

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.71772673	904623.393
Sc	45	2	H2	82.38927780	5521870.833
Ge	72	1	He	81.10265950	549179.730
Ge	72	2	H2	82.38829431	1494402.960
In	115	1	He	83.63677629	6096613.710
Tb	159	1	He	87.05740799	14096526.457
Ir	193	1	He	86.72263581	6779300.937

Sample Name	4319220_B70178Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	201SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:13:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	20.812360	5.9	13767.857
Be	9	2	H2	20.708945	4.1	11636.430
B	11	2	H2	28.411803	9.4	19323.743
Na	23	1	He	11898.51605	0.8	19564614.710
Mg	24	1	He	1472.643795	1.4	1347008.520
Al	27	1	He	511.974888	1.2	253281.227
Si	28	2	H2	1509.776911	6.9	5774206.667
K	39	1	He	7120.685257	1.2	9789414.437
Ca	43	1	He	3970.861577	1.6	16582.993
Ca	44	1	He	4054.401458	1.2	283552.577
Ti	47	1	He	20.986675	1.8	9407.263
V	51	1	He	21.890923	0.4	230567.540
Cr	52	1	He	22.980714	1.3	291694.780
Mn	55	1	He	57.875861	0.7	554904.187
Fe	56	1	He	639.475722	1.4	7423436.667
Co	59	1	He	22.511462	1.5	412409.707
Ni	60	1	He	23.702097	2.8	106990.737
Cu	63	1	He	33.680798	2.1	389373.617
Zn	66	1	He	604.057305	2.3	1438526.040
As	75	1	He	21.138846	2.0	41463.057
Se	78	2	H2	20.178507	1.6	19579.753
Sr	88	1	He	39.140548	1.4	664271.240
Mo	95	1	He	21.922841	2.7	158260.173
Pd	105	1	He	2.509485	2.5	27211.950
Ag	107	1	He	9.838077	2.3	213131.337
Cd	111	1	He	26.497716	0.7	108870.477
Sn	118	1	He	12.914299	1.5	139449.697
Sb	121	1	He	19.264716	1.4	271204.370
Ba	138	1	He	27.456899	1.0	965659.230
Pt	195	1	He	3.791649	1.8	49697.010
Hg	202	1	He	0.014154	53.3	163.340
Tl	205	1	He	21.149894	2.0	1011824.127
Pb	206	1	He	68.927771	1.6	1119329.620
Pb	207	1	He	69.369988	1.3	941412.873
Pb	208	1	He	69.307913	1.2	4439821.623
Bi	209	1	He	24.288663	1.5	1225342.273
Th	232	1	He	5.013609	2.4	362382.393
U	238	1	He	20.068091	1.1	1483438.990

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.94200917	907076.207
Sc	45	2	H2	82.49376135	5528873.500
Ge	72	1	He	81.47862674	551725.560
Ge	72	2	H2	82.59458385	1498144.750
In	115	1	He	84.20050065	6137705.797
Tb	159	1	He	87.06835975	14098299.790
Ir	193	1	He	86.71583463	6778769.273

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	202_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:17:29
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.348566	5.1	50014.237
Be	9	2	H2	75.937808	4.8	42375.837
B	11	2	H2	77.584383	6.0	48025.547
Na	23	1	He	2040.493872	1.4	3331814.533
Mg	24	1	He	1999.629849	1.6	1808576.120
Al	27	1	He	1953.940084	0.7	955810.437
Si	28	2	H2	954.891505	5.8	3631245.833
K	39	1	He	2052.638868	1.2	2870153.397
Ca	43	1	He	1990.066400	1.3	8227.540
Ca	44	1	He	1972.455237	0.4	136566.487
Ti	47	1	He	76.455045	2.1	33899.467
V	51	1	He	80.861992	1.8	846655.410
Cr	52	1	He	81.181331	1.3	1018302.147
Mn	55	1	He	83.289090	1.1	789737.293
Fe	56	1	He	1026.282760	1.8	11778453.333
Co	59	1	He	82.277605	2.0	1521836.873
Ni	60	1	He	82.092392	1.3	372392.107
Cu	63	1	He	83.933878	1.6	979493.127
Zn	66	1	He	80.398129	1.4	193527.423
As	75	1	He	77.821570	1.4	153524.630
Se	78	2	H2	75.818368	0.8	73784.387
Sr	88	1	He	74.665620	1.3	1257482.793
Mo	95	1	He	80.447699	1.4	586469.040
Pd	105	1	He	77.898071	1.0	837275.923
Ag	107	1	He	39.382767	3.3	844204.673
Cd	111	1	He	76.977006	0.9	313867.513
Sn	118	1	He	76.804324	0.6	822394.833
Sb	121	1	He	73.370413	1.0	1024884.073
Ba	138	1	He	79.175630	1.4	2771630.373
Pt	195	1	He	77.492534	1.9	1009476.677
Hg	202	1	He	3.542811	3.6	23340.700
Tl	205	1	He	39.640240	1.3	1887256.640
Pb	206	1	He	79.509444	1.1	1285299.953
Pb	207	1	He	82.921203	0.9	1120045.167
Pb	208	1	He	80.917586	1.2	5159675.597
Bi	209	1	He	83.373363	1.4	4183623.060
Th	232	1	He	78.203907	1.7	5579446.170
U	238	1	He	75.944281	1.9	5542028.670

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.06222261	897454.623
Sc	45	2	H2	81.95940718	5493060.167
Ge	72	1	He	82.27373091	557109.540
Ge	72	2	H2	82.88675867	1503444.373
In	115	1	He	83.56738273	6091555.340
Tb	159	1	He	86.66959055	14033730.207
Ir	193	1	He	85.60973256	6692302.820

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	203_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:21:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.054785	53.2	95.167
Be	9	2	H2	0.025488	44.9	20.167
B	11	2	H2	3.050198	14.2	4450.640
Na	23	1	He	20.233143	1.8	48805.623
Mg	24	1	He	-1.834939		1331.727
Al	27	1	He	0.332546	35.0	382.007
Si	28	2	H2	0.649925	12.0	13301.993
K	39	1	He	17.369218	5.5	136198.673
Ca	43	1	He	1.551035	34.5	15.640
Ca	44	1	He	1.023693	20.3	231.653
Ti	47	1	He	0.007086	225.3	6.000
V	51	1	He	0.007781	268.6	-1447.200
Cr	52	1	He	-0.001029		474.677
Mn	55	1	He	-0.066441		173.333
Fe	56	1	He	0.025311	90.7	15240.447
Co	59	1	He	0.003847	27.7	160.000
Ni	60	1	He	-0.134207		144.667
Cu	63	1	He	0.011120	15.9	404.010
Zn	66	1	He	0.028292	15.6	262.000
As	75	1	He	-0.003194		226.667
Se	78	2	H2	0.008790	94.1	24.333
Sr	88	1	He	0.006393	53.2	313.343
Mo	95	1	He	0.013455	21.5	118.333
Pd	105	1	He	0.012199	30.5	166.667
Ag	107	1	He	0.257115	20.4	6479.623
Cd	111	1	He	0.008033	60.1	36.630
Sn	118	1	He	0.028402	31.5	468.347
Sb	121	1	He	0.007549	47.8	193.333
Ba	138	1	He	0.014530	23.0	666.690
Pt	195	1	He	0.005976	76.1	163.337
Hg	202	1	He	0.016071	19.1	180.003
Tl	205	1	He	0.046716	14.1	2991.980
Pb	206	1	He	0.010042	25.4	255.007
Pb	207	1	He	0.000892	902.2	905.037
Pb	208	1	He	0.006158	47.0	1576.720
Bi	209	1	He	0.005317	35.9	1740.133
Th	232	1	He	0.013453	12.1	1041.727
U	238	1	He	0.005042	15.9	460.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.95172302	918118.710
Sc	45	2	H2	84.52307125	5664881.333
Ge	72	1	He	82.05990705	555661.650
Ge	72	2	H2	85.42399280	1549466.083
In	115	1	He	86.16300038	6280760.123
Tb	159	1	He	89.22613732	14447691.867
Ir	193	1	He	88.28735676	6901618.647

Sample Name	4322412_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	204SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:24:38
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.051065	30.0	93.167
Be	9	2	H2	0.023678	12.6	19.167
B	11	2	H2	3.397542	14.1	4680.683
Na	23	1	He	24.020769	1.5	55223.487
Mg	24	1	He	1.052201	12.5	4007.133
Al	27	1	He	6.371892	1.6	3410.983
Si	28	2	H2	4.282406	22.5	27639.223
K	39	1	He	18.181487	2.9	137621.033
Ca	43	1	He	9.465020	15.0	49.187
Ca	44	1	He	8.453519	13.2	759.187
Ti	47	1	He	0.080385	8.7	39.333
V	51	1	He	0.029936	88.7	-1210.680
Cr	52	1	He	0.421255	3.2	5903.650
Mn	55	1	He	0.150038	4.9	2276.153
Fe	56	1	He	10.590689	1.7	139441.483
Co	59	1	He	0.003920	5.3	161.333
Ni	60	1	He	-0.103714		282.000
Cu	63	1	He	0.080980	12.3	1215.380
Zn	66	1	He	1.102110	5.8	2834.233
As	75	1	He	-0.002763		227.167
Se	78	2	H2	0.009829	90.8	25.000
Sr	88	1	He	0.021000	36.7	573.350
Mo	95	1	He	0.013708	36.9	120.000
Pd	105	1	He	0.003082	71.6	66.667
Ag	107	1	He	0.058195	10.6	2111.817
Cd	111	1	He	0.004806	85.9	23.297
Sn	118	1	He	0.112102	11.4	1408.407
Sb	121	1	He	0.003598	112.7	138.333
Ba	138	1	He	0.067986	2.0	2606.897
Pt	195	1	He	0.016049	19.6	300.010
Hg	202	1	He	0.012910	89.8	160.003
Tl	205	1	He	0.004519	44.3	928.370
Pb	206	1	He	0.011972	20.0	288.340
Pb	207	1	He	0.010010	49.5	1036.713
Pb	208	1	He	0.011548	11.4	1940.073
Bi	209	1	He	0.001963	182.0	1576.783
Th	232	1	He	0.006548	28.0	540.033
U	238	1	He	0.001308	26.9	181.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	84.13532798	920126.663
Sc	45	2	H2	84.86495795	5687795.167
Ge	72	1	He	81.98137152	555129.853
Ge	72	2	H2	84.69380483	1536221.543
In	115	1	He	87.16109951	6353515.497
Tb	159	1	He	89.71819978	14527367.700
Ir	193	1	He	89.44653616	6992234.273

Sample Name	4322413_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	205SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:28:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	103.877692	5.1	66937.597
Be	9	2	H2	104.588313	4.9	57432.040
B	11	2	H2	103.612100	6.3	62284.230
Na	23	1	He	2200.421967	1.3	3563424.737
Mg	24	1	He	2138.739225	1.7	1918884.247
Al	27	1	He	2102.300411	1.1	1020219.147
Si	28	2	H2	523.447405	5.5	1963421.163
K	39	1	He	2214.744983	1.9	3063642.457
Ca	43	1	He	2143.777626	2.3	8791.670
Ca	44	1	He	2123.196924	0.7	145826.100
Ti	47	1	He	99.912743	1.7	43948.030
V	51	1	He	109.081299	1.9	1133652.950
Cr	52	1	He	110.196588	1.3	1371151.040
Mn	55	1	He	108.334400	1.4	1018833.043
Fe	56	1	He	2184.312243	1.3	24854690.000
Co	59	1	He	111.995582	1.6	2037738.080
Ni	60	1	He	111.460433	0.8	497104.690
Cu	63	1	He	111.562273	1.2	1280617.540
Zn	66	1	He	109.074767	1.3	258201.370
As	75	1	He	104.928402	0.9	203542.823
Se	78	2	H2	103.963553	0.3	99203.563
Sr	88	1	He	102.333461	1.6	1701426.640
Mo	95	1	He	107.249515	0.5	769099.417
Pd	105	1	He	20.684065	0.9	219508.827
Ag	107	1	He	46.987232	3.7	994054.853
Cd	111	1	He	102.793977	1.4	413768.043
Sn	118	1	He	101.669811	1.3	1074623.030
Sb	121	1	He	99.069182	1.9	1366043.467
Ba	138	1	He	105.525192	0.8	3677418.070
Pt	195	1	He	20.516907	1.4	266101.677
Hg	202	1	He	0.011303	63.7	143.337
Tl	205	1	He	107.839953	0.3	5109844.197
Pb	206	1	He	109.921405	1.0	1768752.107
Pb	207	1	He	108.716888	1.7	1461387.740
Pb	208	1	He	108.803469	0.8	6905764.793
Bi	209	1	He	110.081684	0.5	5498796.170
Th	232	1	He	107.727605	0.5	7611173.013
U	238	1	He	102.061201	1.1	7375309.263

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	81.41252882	890349.397
Sc	45	2	H2	80.64454730	5404936.000
Ge	72	1	He	80.92793580	547996.603
Ge	72	2	H2	81.27229753	1474160.413
In	115	1	He	82.50574003	6014168.027
Tb	159	1	He	86.27706663	13970171.873
Ir	193	1	He	84.78183027	6627583.860

Sample Name	10607799001_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	206SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:31:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.039856	4.7	2027.110
Be	9	2	H2	0.027976	32.0	20.833
B	11	2	H2	10.978681	18.2	8902.320
Na	23	1	He	5989.750378	1.2	9690141.107
Mg	24	1	He	7011.421541	1.7	6294014.073
Al	27	1	He	6.177040	3.4	3210.950
Si	28	2	H2	6756.420925	5.8	25408456.000
K	39	1	He	539.408623	1.1	829901.397
Ca	43	1	He	48313.50185	1.5	198265.963
Ca	44	1	He	49117.84921	1.6	3375458.923
Ti	47	1	He	0.148451	38.8	68.000
V	51	1	He	0.383651	36.8	2519.050
Cr	52	1	He	3.291781	1.0	41485.160
Mn	55	1	He	0.679207	4.7	7186.120
Fe	56	1	He	9.592979	1.1	123785.007
Co	59	1	He	0.267173	2.4	4830.660
Ni	60	1	He	0.131765	17.0	1295.383
Cu	63	1	He	0.336898	2.8	4038.467
Zn	66	1	He	2.130512	3.1	5106.740
As	75	1	He	0.324883	2.5	838.687
Se	78	2	H2	0.287121	14.3	291.000
Sr	88	1	He	97.979620	0.9	1646626.537
Mo	95	1	He	0.732850	7.7	5149.133
Pd	105	1	He	0.012683	3.7	166.667
Ag	107	1	He	0.219879	16.0	5475.920
Cd	111	1	He	0.007952	17.8	35.123
Sn	118	1	He	0.055198	10.8	740.023
Sb	121	1	He	0.100770	3.2	1486.750
Ba	138	1	He	1.937843	1.2	68086.583
Pt	195	1	He	0.011660	30.6	233.340
Hg	202	1	He	0.004632	117.3	100.000
Tl	205	1	He	0.018959	24.8	1586.767
Pb	206	1	He	0.026014	11.7	506.680
Pb	207	1	He	0.016047	51.3	1085.047
Pb	208	1	He	0.024404	8.2	2698.447
Bi	209	1	He	0.007646	28.4	1810.150
Th	232	1	He	0.023740	2.9	1725.113
U	238	1	He	0.570637	0.4	41282.687

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	81.54629808	891812.333
Sc	45	2	H2	81.19942466	5442124.833
Ge	72	1	He	78.99374466	534899.393
Ge	72	2	H2	81.88618632	1485295.457
In	115	1	He	83.39034495	6078650.360
Tb	159	1	He	86.81223365	14056827.290
Ir	193	1	He	84.71139284	6622077.610

Sample Name	4323800_B70202Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	207SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:35:21
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.646933	4.5	495.010
Be	9	2	H2	0.024944	52.5	20.000
B	11	2	H2	4.434090	8.0	5290.847
Na	23	1	He	1263.690090	3.6	2068078.353
Mg	24	1	He	1470.253172	3.1	1330127.763
Al	27	1	He	2.513881	6.8	1439.727
Si	28	2	H2	1366.856599	5.2	5360385.333
K	39	1	He	127.181715	5.6	280692.280
Ca	43	1	He	9935.010229	4.0	41013.390
Ca	44	1	He	10244.94744	4.1	708237.693
Ti	47	1	He	0.047778	14.8	24.000
V	51	1	He	0.003217	5199.0	-1412.757
Cr	52	1	He	0.681978	3.3	9027.600
Mn	55	1	He	0.101016	4.4	1755.427
Fe	56	1	He	2.246619	6.3	40336.793
Co	59	1	He	0.058823	0.4	1150.707
Ni	60	1	He	-0.082632		370.007
Cu	63	1	He	0.090538	7.7	1299.383
Zn	66	1	He	0.527696	5.4	1428.727
As	75	1	He	0.070922	21.7	364.167
Se	78	2	H2	0.060720	14.1	76.333
Sr	88	1	He	19.593794	3.2	334518.603
Mo	95	1	He	0.149665	11.3	1088.377
Pd	105	1	He	0.007651	88.6	113.333
Ag	107	1	He	0.051701	15.6	1910.127
Cd	111	1	He	0.003283	111.2	16.337
Sn	118	1	He	0.100860	14.3	1243.400
Sb	121	1	He	0.024695	25.3	433.343
Ba	138	1	He	0.401930	4.1	14191.053
Pt	195	1	He	0.002228	87.2	110.000
Hg	202	1	He	0.006850	78.6	113.333
Tl	205	1	He	-0.001901		591.687
Pb	206	1	He	0.007040	24.5	198.333
Pb	207	1	He	-0.007226		768.363
Pb	208	1	He	0.004365	46.0	1415.043
Bi	209	1	He	0.000784	790.2	1453.437
Th	232	1	He	0.015142	100.7	1095.443
U	238	1	He	0.113190	5.4	8315.620

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.10384832	897909.853
Sc	45	2	H2	84.59300132	5669568.167
Ge	72	1	He	80.40133189	544430.750
Ge	72	2	H2	85.41269089	1549261.083
In	115	1	He	84.74263895	6177224.390
Tb	159	1	He	86.67072535	14033913.957
Ir	193	1	He	85.44817952	6679673.860

Sample Name	4322414_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	208SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:38:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	117.802539	23.1	65738.363
Be	9	2	H2	117.220389	22.3	55799.887
B	11	2	H2	124.319960	25.7	64110.527
Na	23	1	He	8065.328981	1.4	12938152.307
Mg	24	1	He	9029.312120	1.1	8040043.837
Al	27	1	He	2111.938482	0.7	1018352.373
Si	28	2	H2	8203.717428	25.0	26462750.667
K	39	1	He	2720.784287	1.0	3714885.880
Ca	43	1	He	50400.34588	0.9	205178.953
Ca	44	1	He	50886.39143	0.8	3469053.593
Ti	47	1	He	101.815335	1.0	44500.043
V	51	1	He	111.560072	0.3	1152017.750
Cr	52	1	He	113.883829	0.9	1407931.873
Mn	55	1	He	109.305259	1.2	1021363.730
Fe	56	1	He	2189.218707	1.6	24750332.667
Co	59	1	He	110.942498	1.5	1993041.417
Ni	60	1	He	109.710643	0.9	483125.887
Cu	63	1	He	109.220136	1.0	1237875.293
Zn	66	1	He	108.235256	0.7	252979.190
As	75	1	He	107.852691	0.6	206565.120
Se	78	2	H2	116.777926	22.4	96770.383
Sr	88	1	He	201.224617	1.1	3274427.140
Mo	95	1	He	111.277013	0.8	787879.443
Pd	105	1	He	20.552944	0.9	213493.977
Ag	107	1	He	47.299695	3.4	979607.303
Cd	111	1	He	102.943785	1.2	405583.693
Sn	118	1	He	105.212799	1.6	1088437.590
Sb	121	1	He	102.622356	1.7	1385088.573
Ba	138	1	He	108.302535	1.4	3727622.337
Pt	195	1	He	20.736072	2.9	265625.793
Hg	202	1	He	0.017290	48.9	180.003
Tl	205	1	He	108.859415	1.0	5094859.923
Pb	206	1	He	108.350358	1.3	1722120.857
Pb	207	1	He	107.162951	1.2	1422959.717
Pb	208	1	He	107.508666	0.7	6740260.937
Bi	209	1	He	108.942239	0.7	5374870.543
Th	232	1	He	109.632977	1.2	7633612.803
U	238	1	He	104.832208	1.2	7465887.180

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.89124933	884648.543
Sc	45	2	H2	71.95628879	4822634.000
Ge	72	1	He	79.90605429	541077.020
Ge	72	2	H2	72.61445149	1317119.770
In	115	1	He	80.74821799	5886055.330
Tb	159	1	He	85.22356170	13799586.043
Ir	193	1	He	83.55256527	6531489.487

Sample Name	4322415_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	209SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:42:29
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	102.391811	5.6	65041.270
Be	9	2	H2	101.787591	4.0	55084.707
B	11	2	H2	110.835468	6.2	65491.700
Na	23	1	He	8003.839227	0.6	12850731.893
Mg	24	1	He	8895.196618	1.0	7927241.130
Al	27	1	He	2080.182992	0.7	1003865.290
Si	28	2	H2	7177.547809	6.7	26413955.333
K	39	1	He	2683.612661	1.2	3668734.320
Ca	43	1	He	49977.68570	0.5	203627.057
Ca	44	1	He	50074.55043	0.6	3416596.753
Ti	47	1	He	101.549157	0.5	44419.877
V	51	1	He	109.537424	1.0	1132026.187
Cr	52	1	He	111.746204	1.1	1382693.913
Mn	55	1	He	108.152326	0.2	1011456.817
Fe	56	1	He	2151.438580	1.4	24344702.000
Co	59	1	He	108.285592	1.9	1960242.750
Ni	60	1	He	107.692858	1.2	477885.780
Cu	63	1	He	107.435701	0.9	1226998.917
Zn	66	1	He	108.215336	1.1	254869.840
As	75	1	He	105.256383	0.9	203141.857
Se	78	2	H2	102.703342	0.5	96106.960
Sr	88	1	He	199.548863	1.3	3247413.493
Mo	95	1	He	108.966155	1.2	777433.453
Pd	105	1	He	20.400117	0.9	211923.357
Ag	107	1	He	47.148154	1.4	976654.153
Cd	111	1	He	101.958093	1.0	401740.853
Sn	118	1	He	102.039482	1.5	1055743.450
Sb	121	1	He	101.166925	1.4	1365591.073
Ba	138	1	He	107.160888	1.3	3688222.757
Pt	195	1	He	20.377296	0.4	261060.990
Hg	202	1	He	0.013179	35.5	153.337
Tl	205	1	He	107.512274	1.4	5031481.593
Pb	206	1	He	107.119238	1.3	1702495.547
Pb	207	1	He	105.962754	0.4	1407002.060
Pb	208	1	He	106.209753	0.6	6658379.740
Bi	209	1	He	108.959039	1.4	5375220.963
Th	232	1	He	108.045938	1.1	7569727.597
U	238	1	He	103.250332	1.2	7399076.350

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.95630411	885360.000
Sc	45	2	H2	79.46970919	5326196.333
Ge	72	1	He	80.51674943	545212.290
Ge	72	2	H2	79.69997981	1445640.873
In	115	1	He	80.75303348	5886406.350
Tb	159	1	He	85.21230629	13797763.543
Ir	193	1	He	84.06837085	6571811.153

Sample Name	10607799001_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	210SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:46:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.228119	10.6	207.167
Be	9	2	H2	0.037956	12.1	26.667
B	11	2	H2	3.374911	20.0	4543.970
Na	23	1	He	315.088404	0.7	534705.380
Mg	24	1	He	354.153213	0.9	327460.130
Al	27	1	He	1.651973	1.2	1033.363
Si	28	2	H2	345.020091	6.5	1329246.127
K	39	1	He	42.952998	4.2	169981.710
Ca	43	1	He	2434.161576	1.7	10207.797
Ca	44	1	He	2507.803529	0.4	176119.153
Ti	47	1	He	0.014591	126.8	9.333
V	51	1	He	-0.078113		-2349.033
Cr	52	1	He	0.194457	1.0	2957.583
Mn	55	1	He	-0.017239		644.680
Fe	56	1	He	1.093217	3.3	27534.917
Co	59	1	He	0.018414	15.2	428.010
Ni	60	1	He	-0.121843		200.000
Cu	63	1	He	0.041826	14.5	760.020
Zn	66	1	He	0.099000	26.2	430.677
As	75	1	He	0.014107	56.5	260.167
Se	78	2	H2	0.027272	24.4	42.000
Sr	88	1	He	4.792350	2.0	83450.310
Mo	95	1	He	0.053688	9.4	410.010
Pd	105	1	He	0.004353	53.7	80.000
Ag	107	1	He	0.216986	19.1	5600.977
Cd	111	1	He	0.007989	74.4	36.547
Sn	118	1	He	0.116354	1.1	1440.077
Sb	121	1	He	0.016098	10.1	316.677
Ba	138	1	He	0.107849	2.5	3980.500
Pt	195	1	He	0.004599	61.6	143.333
Hg	202	1	He	-0.002061		56.667
Tl	205	1	He	0.020481	17.6	1685.110
Pb	206	1	He	0.007300	17.7	206.670
Pb	207	1	He	0.009704	95.7	1015.037
Pb	208	1	He	0.008617	23.1	1716.717
Bi	209	1	He	0.006630	59.4	1786.803
Th	232	1	He	0.020539	3.1	1545.090
U	238	1	He	0.034590	7.3	2655.247

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.25693403	910520.310
Sc	45	2	H2	82.61079804	5536717.500
Ge	72	1	He	81.89692978	554558.063
Ge	72	2	H2	83.97097211	1523110.417
In	115	1	He	86.19733785	6283263.117
Tb	159	1	He	88.14445271	14272543.123
Ir	193	1	He	87.30758896	6825028.023

Sample Name	4323800_B70202Dx100
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	211SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:49:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.082368	21.6	112.333
Be	9	2	H2	0.024664	12.7	19.333
B	11	2	H2	2.136023	40.4	3847.143
Na	23	1	He	77.728882	1.1	143030.003
Mg	24	1	He	73.552842	0.6	70289.087
Al	27	1	He	1.520412	2.1	966.697
Si	28	2	H2	70.102553	5.0	280800.030
K	39	1	He	22.861424	5.6	142368.363
Ca	43	1	He	499.718278	2.0	2099.733
Ca	44	1	He	512.082559	1.6	36036.290
Ti	47	1	He	0.017633	77.8	10.667
V	51	1	He	0.007366	563.3	-1438.270
Cr	52	1	He	0.060429	9.2	1250.713
Mn	55	1	He	-0.055979		272.000
Fe	56	1	He	0.459050	0.9	20131.873
Co	59	1	He	0.002396	15.1	132.667
Ni	60	1	He	-0.130928		158.667
Cu	63	1	He	0.028700	11.0	605.343
Zn	66	1	He	0.020492	44.1	242.000
As	75	1	He	-0.009728		212.667
Se	78	2	H2	0.007007	105.0	22.000
Sr	88	1	He	0.968250	1.8	16969.940
Mo	95	1	He	0.016538	36.6	140.000
Pd	105	1	He	0.001976	140.0	53.333
Ag	107	1	He	0.061674	15.0	2158.483
Cd	111	1	He	0.002501	100.6	13.290
Sn	118	1	He	0.111624	4.7	1383.407
Sb	121	1	He	0.006993	51.5	185.000
Ba	138	1	He	0.028276	8.7	1151.717
Pt	195	1	He	0.003576	66.1	130.003
Hg	202	1	He	0.002346	235.8	86.667
Tl	205	1	He	-0.003664		518.343
Pb	206	1	He	0.005933	8.3	185.000
Pb	207	1	He	0.004841	13.3	951.707
Pb	208	1	He	0.005210	29.0	1501.713
Bi	209	1	He	-0.000266		1440.097
Th	232	1	He	0.007196	20.3	581.683
U	238	1	He	0.007405	11.4	638.357

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.14245655	909268.353
Sc	45	2	H2	83.29896304	5582839.500
Ge	72	1	He	81.62285165	552702.167
Ge	72	2	H2	83.94178710	1522581.043
In	115	1	He	85.94141907	6264608.190
Tb	159	1	He	88.48611885	14327866.453
Ir	193	1	He	88.30416260	6902932.397

Sample Name	10607799002_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	212SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:53:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.609398	2.7	1094.700
Be	9	2	H2	0.032002	10.7	22.833
B	11	2	H2	7.270613	5.4	6701.343
Na	23	1	He	6246.145578	2.2	10024779.013
Mg	24	1	He	6265.494631	1.4	5580805.543
Al	27	1	He	52.903410	1.2	25715.410
Si	28	2	H2	3423.566432	6.1	12828321.000
K	39	1	He	670.360977	1.1	996994.620
Ca	43	1	He	22562.89622	1.4	91870.963
Ca	44	1	He	23088.08244	1.7	1574281.347
Ti	47	1	He	0.992798	19.1	436.677
V	51	1	He	0.954997	10.2	8398.477
Cr	52	1	He	0.844375	3.7	10906.637
Mn	55	1	He	1.068180	2.3	10762.553
Fe	56	1	He	42.454181	1.2	494177.563
Co	59	1	He	0.134624	1.2	2484.847
Ni	60	1	He	1.121242	1.7	5614.893
Cu	63	1	He	1.033157	2.0	11876.617
Zn	66	1	He	3.641255	2.8	8622.093
As	75	1	He	0.597858	3.5	1359.387
Se	78	2	H2	15.157979	0.8	14580.313
Sr	88	1	He	82.539755	2.5	1385594.823
Mo	95	1	He	2.152161	3.2	15133.313
Pd	105	1	He	0.014871	49.4	190.007
Ag	107	1	He	0.041482	10.9	1661.767
Cd	111	1	He	0.039646	17.6	163.793
Sn	118	1	He	0.131680	3.8	1555.087
Sb	121	1	He	0.185640	4.9	2666.903
Ba	138	1	He	22.565368	0.4	791466.423
Pt	195	1	He	0.007586	71.1	180.003
Hg	202	1	He	0.001108	692.5	76.667
Tl	205	1	He	0.005529	16.1	946.703
Pb	206	1	He	0.056591	6.4	1001.707
Pb	207	1	He	0.041792	8.3	1433.413
Pb	208	1	He	0.048849	2.1	4260.247
Bi	209	1	He	0.005853	77.0	1720.133
Th	232	1	He	0.018820	11.0	1388.413
U	238	1	He	0.956552	1.2	69662.663

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.90386606	884786.523
Sc	45	2	H2	80.89981779	5422044.667
Ge	72	1	He	79.25602073	536675.373
Ge	72	2	H2	81.85082679	1484654.087
In	115	1	He	83.29236703	6071508.363
Tb	159	1	He	86.82438455	14058794.790
Ir	193	1	He	85.33959184	6671185.320

Sample Name	10607799002_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	213SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:56:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.117735	12.1	133.833
Be	9	2	H2	0.016650	29.6	14.667
B	11	2	H2	1.640056	29.9	3497.077
Na	23	1	He	313.831010	1.9	526323.780
Mg	24	1	He	301.576186	2.1	275983.023
Al	27	1	He	3.731548	2.1	2040.783
Si	28	2	H2	164.764319	6.0	636584.960
K	39	1	He	49.649791	4.8	177000.760
Ca	43	1	He	1083.644134	3.0	4495.540
Ca	44	1	He	1116.041215	1.3	77540.193
Ti	47	1	He	0.065817	31.1	32.000
V	51	1	He	0.042799	26.7	-1049.847
Cr	52	1	He	0.085032	12.3	1546.737
Mn	55	1	He	-0.008635		718.687
Fe	56	1	He	2.274249	0.9	40783.127
Co	59	1	He	0.004767	8.7	174.000
Ni	60	1	He	-0.070980		422.677
Cu	63	1	He	0.052791	4.7	873.357
Zn	66	1	He	0.168546	8.4	588.010
As	75	1	He	0.017243	19.9	262.167
Se	78	2	H2	0.728011	3.7	727.020
Sr	88	1	He	3.937267	1.8	68118.017
Mo	95	1	He	0.108703	5.2	796.693
Pd	105	1	He	0.001687	1.4	50.000
Ag	107	1	He	0.029804	3.2	1451.743
Cd	111	1	He	0.002063	146.3	11.427
Sn	118	1	He	0.104815	14.8	1303.397
Sb	121	1	He	0.010434	49.3	233.337
Ba	138	1	He	1.077881	0.2	38642.453
Pt	195	1	He	0.002064	110.4	110.000
Hg	202	1	He	0.004874	124.8	103.333
Tl	205	1	He	-0.009385		240.000
Pb	206	1	He	0.002305	47.1	125.000
Pb	207	1	He	-0.005031		815.033
Pb	208	1	He	0.001079	93.4	1231.710
Bi	209	1	He	-0.000505		1426.757
Th	232	1	He	0.005195	28.8	426.707
U	238	1	He	0.043576	6.8	3307.050

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.27584877	899790.897
Sc	45	2	H2	82.15705705	5506307.000
Ge	72	1	He	80.62902632	545972.563
Ge	72	2	H2	83.29047338	1510767.167
In	115	1	He	85.59908707	6239654.263
Tb	159	1	He	88.43606139	14319761.040
Ir	193	1	He	86.89593906	6792848.437

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	214_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:00:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.646842	5.3	47140.407
Be	9	2	H2	76.479795	4.9	40068.960
B	11	2	H2	76.687673	9.0	44614.030
Na	23	1	He	2029.636269	0.8	3129496.620
Mg	24	1	He	2010.314843	1.5	1716956.693
Al	27	1	He	1954.208478	0.8	902656.917
Si	28	2	H2	949.958423	6.4	3392006.417
K	39	1	He	2055.706327	1.0	2714131.940
Ca	43	1	He	1985.167117	1.3	7749.380
Ca	44	1	He	1996.456084	0.5	130521.613
Ti	47	1	He	75.517753	0.9	31618.000
V	51	1	He	80.107710	1.0	791978.027
Cr	52	1	He	81.267004	0.7	962581.060
Mn	55	1	He	82.613331	1.2	739695.460
Fe	56	1	He	1025.383821	1.6	11112943.000
Co	59	1	He	82.291382	1.5	1432279.210
Ni	60	1	He	82.275853	1.5	351188.500
Cu	63	1	He	83.989521	0.5	922289.897
Zn	66	1	He	80.610428	1.4	182581.030
As	75	1	He	78.510640	1.1	145736.167
Se	78	2	H2	76.331906	0.9	69619.460
Sr	88	1	He	74.023276	1.2	1187828.470
Mo	95	1	He	80.893820	0.9	554898.503
Pd	105	1	He	77.251952	1.3	791129.700
Ag	107	1	He	38.789223	3.5	792337.643
Cd	111	1	He	76.941994	0.6	298913.877
Sn	118	1	He	76.233000	1.2	777707.227
Sb	121	1	He	73.831228	0.7	982642.797
Ba	138	1	He	78.333885	2.0	2623073.713
Pt	195	1	He	77.078120	1.0	960573.997
Hg	202	1	He	3.598100	0.7	22679.760
Tl	205	1	He	39.936787	2.1	1818761.120
Pb	206	1	He	78.840563	1.9	1219134.590
Pb	207	1	He	82.520865	0.9	1066279.777
Pb	208	1	He	80.850204	1.5	4931572.037
Bi	209	1	He	83.469710	2.6	4006501.503
Th	232	1	He	79.210494	2.5	5395497.420
U	238	1	He	76.031524	2.2	5297160.443

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.48623007	847410.333
Sc	45	2	H2	76.93310352	5156188.667
Ge	72	1	He	77.41051024	524178.657
Ge	72	2	H2	77.67625206	1408933.417
In	115	1	He	79.61855176	5803709.513
Tb	159	1	He	82.91165918	13425237.717
Ir	193	1	He	81.73725978	6389583.027

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	215_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:03:54
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.069542	22.5	96.000
Be	9	2	H2	0.029931	39.5	20.667
B	11	2	H2	1.772686	17.5	3353.713
Na	23	1	He	15.196627	2.6	37290.690
Mg	24	1	He	-2.099016		1003.373
Al	27	1	He	0.305946	28.0	340.000
Si	28	2	H2	0.163939	158.1	10408.047
K	39	1	He	23.470036	3.0	133371.800
Ca	43	1	He	0.613395	171.2	10.780
Ca	44	1	He	1.432342	31.5	240.390
Ti	47	1	He	0.009769	27.5	6.667
V	51	1	He	0.019980	247.3	-1212.330
Cr	52	1	He	0.000265	874.6	453.343
Mn	55	1	He	-0.065229		170.667
Fe	56	1	He	0.112229	34.7	14997.783
Co	59	1	He	0.002038	86.1	118.667
Ni	60	1	He	-0.142109		102.000
Cu	63	1	He	0.009939	29.2	365.337
Zn	66	1	He	0.005720	332.3	194.667
As	75	1	He	-0.000282		217.500
Se	78	2	H2	0.016198	42.3	29.000
Sr	88	1	He	0.006154	73.6	288.337
Mo	95	1	He	0.009662	7.5	85.000
Pd	105	1	He	0.003278	68.6	63.333
Ag	107	1	He	0.265741	6.9	6219.500
Cd	111	1	He	0.003986	36.5	18.307
Sn	118	1	He	0.037265	27.9	528.347
Sb	121	1	He	0.006408	15.7	165.000
Ba	138	1	He	0.013774	24.7	585.017
Pt	195	1	He	0.005189	41.8	140.000
Hg	202	1	He	0.027675	13.6	236.677
Tl	205	1	He	0.043924	25.8	2613.587
Pb	206	1	He	0.005122	30.1	158.333
Pb	207	1	He	-0.001858		793.363
Pb	208	1	He	0.004418	63.7	1338.373
Bi	209	1	He	0.002082	210.4	1440.107
Th	232	1	He	0.013110	15.9	941.707
U	238	1	He	0.004538	7.8	391.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.43716763	846873.773
Sc	45	2	H2	77.06693079	5165158.000
Ge	72	1	He	76.81878700	520171.853
Ge	72	2	H2	78.37214379	1421555.873
In	115	1	He	80.32989453	5855562.087
Tb	159	1	He	81.68515447	13226639.383
Ir	193	1	He	81.86879896	6399865.737

Sample Name	10607799003_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	216SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:07:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	7.527115	6.0	4706.087
Be	9	2	H2	0.027527	23.3	19.500
B	11	2	H2	16.121013	4.3	11303.703
Na	23	1	He	6832.863244	6.4	10061852.767
Mg	24	1	He	12860.44222	6.1	10509125.467
Al	27	1	He	6.642351	4.6	3131.613
Si	28	2	H2	8751.630275	6.1	31365394.667
K	39	1	He	923.156412	6.3	1222606.807
Ca	43	1	He	50490.71844	6.5	188619.993
Ca	44	1	He	51093.86710	7.0	3196189.950
Ti	47	1	He	0.129898	31.0	55.333
V	51	1	He	0.197126	39.5	489.610
Cr	52	1	He	1.398181	6.0	16293.320
Mn	55	1	He	1.014884	7.4	9417.137
Fe	56	1	He	5.810878	7.8	73479.267
Co	59	1	He	0.192183	4.1	3232.970
Ni	60	1	He	1.218200	7.5	5556.210
Cu	63	1	He	1.247536	5.1	13152.827
Zn	66	1	He	2.536395	5.4	5581.553
As	75	1	He	0.176619	26.1	513.677
Se	78	2	H2	0.153661	4.8	154.000
Sr	88	1	He	216.377690	5.1	3359967.553
Mo	95	1	He	0.705731	4.2	4583.983
Pd	105	1	He	0.030925	19.8	336.677
Ag	107	1	He	0.073306	9.9	2168.490
Cd	111	1	He	0.010406	22.2	41.960
Sn	118	1	He	0.045693	25.8	590.013
Sb	121	1	He	0.084110	3.7	1160.050
Ba	138	1	He	6.662745	5.7	216778.053
Pt	195	1	He	0.006008	114.8	150.003
Hg	202	1	He	0.017736	11.9	173.340
Tl	205	1	He	0.009934	19.8	1071.713
Pb	206	1	He	0.034496	10.9	596.683
Pb	207	1	He	0.025562	18.7	1128.383
Pb	208	1	He	0.032615	12.0	2986.793
Bi	209	1	He	0.007944	46.4	1700.130
Th	232	1	He	0.012940	13.7	890.037
U	238	1	He	0.813380	5.5	54473.003

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.41727176	813847.377
Sc	45	2	H2	77.38171930	5186255.667
Ge	72	1	He	73.09555905	494960.333
Ge	72	2	H2	77.59547798	1407468.293
In	115	1	He	77.17905588	5625885.060
Tb	159	1	He	80.65503270	13059839.807
Ir	193	1	He	78.59686466	6144091.370

Sample Name	10607799003_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	217SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:11:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.407247	11.9	309.667
Be	9	2	H2	0.012578	25.6	11.833
B	11	2	H2	2.033502	28.7	3560.397
Na	23	1	He	336.895342	0.3	542152.177
Mg	24	1	He	616.500978	0.8	539456.500
Al	27	1	He	1.581994	3.5	948.697
Si	28	2	H2	448.323923	7.0	1639281.003
K	39	1	He	64.079923	1.1	188870.143
Ca	43	1	He	2427.943389	1.3	9672.790
Ca	44	1	He	2478.215508	1.2	165357.650
Ti	47	1	He	0.018811	15.0	10.667
V	51	1	He	0.015008	637.3	-1283.030
Cr	52	1	He	0.092203	6.9	1574.077
Mn	55	1	He	-0.007365		702.687
Fe	56	1	He	0.775199	2.4	22644.857
Co	59	1	He	0.008094	12.9	226.000
Ni	60	1	He	-0.076718		382.677
Cu	63	1	He	0.066622	9.7	994.700
Zn	66	1	He	0.124784	3.6	467.343
As	75	1	He	0.000038	7647.2	220.667
Se	78	2	H2	0.005201	8.6	19.333
Sr	88	1	He	10.145405	0.9	167295.573
Mo	95	1	He	0.027183	20.4	206.667
Pd	105	1	He	0.003793	89.6	70.000
Ag	107	1	He	0.077517	9.4	2385.193
Cd	111	1	He	0.000563	224.2	4.940
Sn	118	1	He	0.105319	7.8	1250.060
Sb	121	1	He	0.007178	31.7	178.333
Ba	138	1	He	0.319115	1.8	10945.293
Pt	195	1	He	0.003052	85.6	116.667
Hg	202	1	He	0.004645	50.3	96.667
Tl	205	1	He	-0.003833		483.347
Pb	206	1	He	0.002727	72.5	125.000
Pb	207	1	He	-0.004387		781.693
Pb	208	1	He	0.001890	61.5	1218.370
Bi	209	1	He	-0.001877		1286.747
Th	232	1	He	0.002994	33.2	256.673
U	238	1	He	0.037642	0.6	2753.607

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	79.09555207	865010.313
Sc	45	2	H2	78.58413305	5266843.500
Ge	72	1	He	77.71819435	526262.113
Ge	72	2	H2	80.01560416	1451365.837
In	115	1	He	81.73337367	5957867.203
Tb	159	1	He	83.88196060	13582351.050
Ir	193	1	He	83.43552135	6522339.903

Sample Name	10607799004_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	218SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:14:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.287839	6.2	3318.127
Be	9	2	H2	0.032938	47.7	22.500
B	11	2	H2	13.374382	8.7	9782.767
Na	23	1	He	5933.958477	1.3	9037212.573
Mg	24	1	He	14328.21950	1.4	12105527.737
Al	27	1	He	4.380840	3.0	2201.137
Si	28	2	H2	5759.766220	7.1	20618363.333
K	39	1	He	739.918532	1.0	1033468.840
Ca	43	1	He	65294.15665	1.5	252242.730
Ca	44	1	He	66035.45287	1.9	4272083.513
Ti	47	1	He	0.093503	7.8	41.333
V	51	1	He	0.166199	66.6	231.417
Cr	52	1	He	1.723517	0.8	20659.757
Mn	55	1	He	0.260459	1.5	3054.937
Fe	56	1	He	10.648614	0.7	127844.353
Co	59	1	He	0.180034	1.3	3120.953
Ni	60	1	He	-0.010373		644.013
Cu	63	1	He	0.168437	7.9	2044.790
Zn	66	1	He	1.401385	2.6	3253.640
As	75	1	He	0.231043	5.4	628.510
Se	78	2	H2	0.479564	2.3	450.677
Sr	88	1	He	135.130126	1.6	2157198.043
Mo	95	1	He	0.285219	11.1	1916.790
Pd	105	1	He	0.015169	33.1	183.337
Ag	107	1	He	0.021947	14.7	1183.387
Cd	111	1	He	0.017732	17.8	71.093
Sn	118	1	He	0.040146	1.0	550.013
Sb	121	1	He	0.119903	3.4	1665.100
Ba	138	1	He	21.306671	1.1	709870.223
Pt	195	1	He	0.010199	44.1	203.340
Hg	202	1	He	0.016637	16.1	170.007
Tl	205	1	He	0.001391	100.2	711.690
Pb	206	1	He	0.035688	6.1	630.020
Pb	207	1	He	0.023247	30.0	1123.383
Pb	208	1	He	0.032094	7.6	3030.133
Bi	209	1	He	0.011418	32.6	1900.150
Th	232	1	He	0.008063	11.7	591.680
U	238	1	He	0.832863	1.3	57597.313

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.76043050	839472.793
Sc	45	2	H2	77.26968845	5178747.167
Ge	72	1	He	75.09021120	508466.950
Ge	72	2	H2	77.57885573	1407166.790
In	115	1	He	79.21259855	5774117.987
Tb	159	1	He	82.47081731	13353855.633
Ir	193	1	He	81.02106605	6333596.573

Sample Name	10607799004_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	219SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:18:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.307248	14.4	244.833
Be	9	2	H2	0.014601	34.6	12.833
B	11	2	H2	1.857845	49.1	3433.730
Na	23	1	He	309.432029	1.3	495593.613
Mg	24	1	He	713.452425	1.7	619451.750
Al	27	1	He	1.418268	2.2	865.353
Si	28	2	H2	293.825346	6.2	1068910.040
K	39	1	He	56.206230	4.5	177402.237
Ca	43	1	He	3233.369984	1.8	12788.140
Ca	44	1	He	3321.390621	1.5	219998.857
Ti	47	1	He	0.003257	143.0	4.000
V	51	1	He	-0.012156		-1554.877
Cr	52	1	He	0.109214	5.9	1766.760
Mn	55	1	He	-0.044229		363.340
Fe	56	1	He	0.924385	2.6	24122.070
Co	59	1	He	0.007321	19.4	211.333
Ni	60	1	He	-0.130677		151.333
Cu	63	1	He	0.024976	16.0	532.677
Zn	66	1	He	0.080681	6.7	365.340
As	75	1	He	0.000024	50208.	219.500
Se	78	2	H2	0.021679	23.8	34.333
Sr	88	1	He	6.536060	1.5	107588.223
Mo	95	1	He	0.012259	25.0	103.333
Pd	105	1	He	0.005097	57.6	83.333
Ag	107	1	He	0.030007	15.5	1386.733
Cd	111	1	He	0.001402	185.6	8.303
Sn	118	1	He	0.102580	3.1	1218.390
Sb	121	1	He	0.007565	29.0	183.333
Ba	138	1	He	1.072470	1.4	36243.863
Pt	195	1	He	0.003096	14.4	116.667
Hg	202	1	He	0.013722	92.7	153.337
Tl	205	1	He	-0.008430		270.003
Pb	206	1	He	0.003626	59.4	138.333
Pb	207	1	He	-0.007077		741.690
Pb	208	1	He	0.001580	226.1	1191.697
Bi	209	1	He	-0.001301		1306.750
Th	232	1	He	0.002348	37.4	210.003
U	238	1	He	0.040311	6.6	2915.297

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	78.54080931	858943.497
Sc	45	2	H2	77.93847168	5223570.167
Ge	72	1	He	77.32697575	523613.010
Ge	72	2	H2	79.07939716	1434384.413
In	115	1	He	81.53734236	5943577.710
Tb	159	1	He	83.36287898	13498300.217
Ir	193	1	He	82.64039924	6460183.443

Sample Name	10607799005_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	220SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:21:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.164073	4.9	1996.440
Be	9	2	H2	0.015309	68.0	12.833
B	11	2	H2	11.654819	2.5	8775.563
Na	23	1	He	6480.110249	2.2	9826160.270
Mg	24	1	He	6714.305852	2.2	5650254.290
Al	27	1	He	21.666715	2.5	10066.767
Si	28	2	H2	6217.424820	6.0	22143469.333
K	39	1	He	510.395063	1.8	741617.747
Ca	43	1	He	37332.67249	1.7	143619.283
Ca	44	1	He	37905.95249	2.5	2441972.610
Ti	47	1	He	0.334502	7.6	140.667
V	51	1	He	0.185284	71.3	418.703
Cr	52	1	He	1.296659	1.5	15588.037
Mn	55	1	He	4.363118	1.9	39241.680
Fe	56	1	He	26.747062	2.0	299196.053
Co	59	1	He	0.248253	4.2	4290.523
Ni	60	1	He	1.276311	4.8	5985.683
Cu	63	1	He	3.223827	1.0	34728.740
Zn	66	1	He	4.487522	0.3	10070.183
As	75	1	He	0.618376	4.8	1330.550
Se	78	2	H2	0.419680	5.9	394.003
Sr	88	1	He	57.685691	0.9	923861.083
Mo	95	1	He	0.895046	5.1	5999.430
Pd	105	1	He	0.009535	31.0	126.667
Ag	107	1	He	0.004980	125.2	841.697
Cd	111	1	He	0.006606	52.7	28.200
Sn	118	1	He	0.130843	8.7	1475.077
Sb	121	1	He	0.110845	6.0	1550.083
Ba	138	1	He	30.104039	0.6	1009624.857
Pt	195	1	He	0.008202	48.3	180.007
Hg	202	1	He	0.016460	53.6	170.003
Tl	205	1	He	-0.004158		463.347
Pb	206	1	He	0.138529	2.7	2226.840
Pb	207	1	He	0.118329	4.2	2360.197
Pb	208	1	He	0.127873	4.0	8899.330
Bi	209	1	He	0.001731	312.5	1446.760
Th	232	1	He	0.019996	8.3	1408.413
U	238	1	He	0.294670	2.1	20582.003

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.44304959	836001.830
Sc	45	2	H2	76.89089581	5153359.833
Ge	72	1	He	75.41173240	510644.103
Ge	72	2	H2	77.16848870	1399723.333
In	115	1	He	79.46142744	5792256.103
Tb	159	1	He	83.02525026	13443630.633
Ir	193	1	He	81.64808436	6382611.987

Sample Name	10607799005_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	221SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:25:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.200086	22.5	177.500
Be	9	2	H2	0.007490	58.9	9.000
B	11	2	H2	0.813937	38.5	2833.607
Na	23	1	He	341.288029	5.7	520093.887
Mg	24	1	He	347.468664	5.6	289192.157
Al	27	1	He	2.505977	12.9	1310.050
Si	28	2	H2	312.303151	6.0	1129116.207
K	39	1	He	50.055942	14.1	161703.047
Ca	43	1	He	1911.424887	5.6	7215.407
Ca	44	1	He	1960.999597	4.6	124000.900
Ti	47	1	He	0.018779	58.1	10.000
V	51	1	He	0.003370	1111.1	-1328.737
Cr	52	1	He	0.079380	11.3	1344.720
Mn	55	1	He	0.158658	11.7	2101.463
Fe	56	1	He	1.526383	7.1	29326.373
Co	59	1	He	0.011298	1.5	268.000
Ni	60	1	He	-0.067507		400.677
Cu	63	1	He	0.168127	7.1	2006.787
Zn	66	1	He	0.267013	15.6	749.353
As	75	1	He	0.025613	64.0	254.333
Se	78	2	H2	0.024094	23.3	36.667
Sr	88	1	He	2.946166	5.1	46142.180
Mo	95	1	He	0.034912	18.2	248.340
Pd	105	1	He	-0.000172		26.667
Ag	107	1	He	0.016102	7.4	1041.707
Cd	111	1	He	0.002326	140.5	11.590
Sn	118	1	He	0.109050	13.7	1223.390
Sb	121	1	He	0.007422	58.0	171.667
Ba	138	1	He	1.542265	5.7	49967.007
Pt	195	1	He	0.004786	71.2	133.333
Hg	202	1	He	0.010364	81.8	126.667
Tl	205	1	He	0.011388	321.9	1090.477
Pb	206	1	He	0.006642	54.7	176.667
Pb	207	1	He	0.002569	367.9	835.030
Pb	208	1	He	0.005549	42.1	1378.370
Bi	209	1	He	-0.000359		1300.087
Th	232	1	He	0.002033	26.4	181.667
U	238	1	He	0.015343	11.3	1116.720

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.03603239	820614.310
Sc	45	2	H2	77.44814802	5190707.833
Ge	72	1	He	73.91985260	500541.967
Ge	72	2	H2	79.14682745	1435607.500
In	115	1	He	77.50113727	5649362.840
Tb	159	1	He	80.10855881	12971353.557
Ir	193	1	He	80.00537859	6254198.030

Sample Name	10607799006_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	222SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:28:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.986630	4.7	1823.257
Be	9	2	H2	0.013107	41.1	11.500
B	11	2	H2	13.002482	7.8	9199.080
Na	23	1	He	5532.822595	1.8	8301917.790
Mg	24	1	He	8207.370985	1.2	6832121.980
Al	27	1	He	4.882747	4.5	2394.827
Si	28	2	H2	6268.197235	6.7	21565028.667
K	39	1	He	839.457336	0.7	1141455.297
Ca	43	1	He	102103.9095	1.0	388572.800
Ca	44	1	He	103534.8328	1.9	6598398.330
Ti	47	1	He	0.117812	14.2	50.667
V	51	1	He	0.314985	22.7	1665.820
Cr	52	1	He	1.914570	2.1	22560.003
Mn	55	1	He	3.661536	1.7	32698.127
Fe	56	1	He	10.504142	1.1	124416.620
Co	59	1	He	0.150919	7.6	2577.533
Ni	60	1	He	0.225937	9.3	1588.743
Cu	63	1	He	0.396671	3.5	4387.220
Zn	66	1	He	3.886037	3.1	8536.047
As	75	1	He	0.320960	6.2	774.687
Se	78	2	H2	1.084191	0.8	964.030
Sr	88	1	He	211.170430	2.3	3300371.720
Mo	95	1	He	0.121881	14.9	813.363
Pd	105	1	He	0.037588	23.5	403.347
Ag	107	1	He	0.037411	30.0	1466.747
Cd	111	1	He	0.005864	45.2	24.757
Sn	118	1	He	0.059750	13.3	733.357
Sb	121	1	He	0.078971	5.3	1100.047
Ba	138	1	He	38.101764	1.1	1247074.720
Pt	195	1	He	0.014885	59.0	256.673
Hg	202	1	He	0.008446	22.9	116.667
Tl	205	1	He	-0.004735		426.677
Pb	206	1	He	0.024290	10.7	446.677
Pb	207	1	He	0.022287	31.2	1091.717
Pb	208	1	He	0.023806	7.6	2483.430
Bi	209	1	He	0.000187	2402.6	1340.087
Th	232	1	He	0.002227	42.2	195.003
U	238	1	He	0.770869	1.6	52650.067

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.61933425	826993.457
Sc	45	2	H2	74.30143413	4979809.667
Ge	72	1	He	73.61492074	498477.147
Ge	72	2	H2	74.68347526	1354648.830
In	115	1	He	77.55548180	5653324.227
Tb	159	1	He	81.02880275	13120361.473
Ir	193	1	He	80.01645460	6255063.867

Sample Name	10607799006_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	223SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:32:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.183504	10.0	168.000
Be	9	2	H2	0.008303	33.0	9.500
B	11	2	H2	1.777166	33.9	3393.780
Na	23	1	He	293.000096	2.8	461839.277
Mg	24	1	He	418.106867	1.1	357830.373
Al	27	1	He	1.434296	5.4	857.687
Si	28	2	H2	317.255372	5.8	1155788.917
K	39	1	He	60.529991	7.0	179774.597
Ca	43	1	He	5099.218198	1.9	19811.590
Ca	44	1	He	5281.514327	1.8	343627.400
Ti	47	1	He	0.011414	63.8	7.333
V	51	1	He	-0.016978		-1574.850
Cr	52	1	He	0.126339	3.7	1938.113
Mn	55	1	He	0.126666	2.0	1879.440
Fe	56	1	He	0.883997	2.6	23267.627
Co	59	1	He	0.005193	9.6	172.000
Ni	60	1	He	-0.114954		215.333
Cu	63	1	He	0.038211	15.5	668.683
Zn	66	1	He	0.234682	5.1	704.020
As	75	1	He	0.003512	75.8	223.000
Se	78	2	H2	0.058017	28.6	68.000
Sr	88	1	He	10.257176	0.3	167755.657
Mo	95	1	He	0.002110	113.1	33.333
Pd	105	1	He	0.005120	70.0	83.333
Ag	107	1	He	0.000557	1063.0	766.690
Cd	111	1	He	0.001856	119.3	9.993
Sn	118	1	He	0.092993	14.2	1111.717
Sb	121	1	He	0.004321	33.1	138.333
Ba	138	1	He	1.895952	2.3	64176.327
Pt	195	1	He	0.003064	13.0	116.667
Hg	202	1	He	0.002636	254.4	83.333
Tl	205	1	He	-0.009801		208.337
Pb	206	1	He	0.003387	86.4	135.000
Pb	207	1	He	-0.002801		800.030
Pb	208	1	He	0.000895	152.2	1153.363
Bi	209	1	He	-0.002124		1270.077
Th	232	1	He	0.001252	4.1	135.000
U	238	1	He	0.037550	5.9	2731.937

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.17212815	843975.230
Sc	45	2	H2	78.06025062	5231732.000
Ge	72	1	He	76.30226519	516674.270
Ge	72	2	H2	78.95737132	1432171.043
In	115	1	He	81.06753363	5909331.503
Tb	159	1	He	83.63379871	13542168.133
Ir	193	1	He	82.95327147	6484641.360

Sample Name	10607799007_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	224SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:36:02
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.641230	5.2	3466.653
Be	9	2	H2	0.005958	25.7	8.000
B	11	2	H2	12.732878	10.7	9249.197
Na	23	1	He	6056.712508	1.8	9085535.697
Mg	24	1	He	12555.94671	2.4	10448877.763
Al	27	1	He	16.587451	3.3	7668.263
Si	28	2	H2	6730.578823	6.2	23621122.000
K	39	1	He	775.557101	1.7	1062158.573
Ca	43	1	He	60972.78070	1.4	232023.557
Ca	44	1	He	62080.90545	2.2	3955878.117
Ti	47	1	He	0.260922	26.2	109.333
V	51	1	He	0.061531	157.0	-785.037
Cr	52	1	He	1.614630	2.9	19092.737
Mn	55	1	He	2.937006	0.9	26371.837
Fe	56	1	He	14.986576	2.0	171744.383
Co	59	1	He	0.083598	2.2	1473.400
Ni	60	1	He	1.851897	3.1	8229.903
Cu	63	1	He	0.433692	2.2	4805.990
Zn	66	1	He	2.132465	2.2	4794.657
As	75	1	He	0.118892	2.6	421.343
Se	78	2	H2	0.279103	4.3	262.333
Sr	88	1	He	136.257898	1.9	2120966.687
Mo	95	1	He	0.756611	1.9	4987.423
Pd	105	1	He	0.015246	16.2	180.003
Ag	107	1	He	0.027846	23.7	1271.730
Cd	111	1	He	0.011262	56.8	45.170
Sn	118	1	He	0.162784	1.5	1750.113
Sb	121	1	He	0.043511	14.8	638.350
Ba	138	1	He	5.717121	1.1	189923.820
Pt	195	1	He	0.010272	45.1	203.340
Hg	202	1	He	0.010294	52.8	130.000
Tl	205	1	He	-0.006272		363.343
Pb	206	1	He	0.043307	15.1	745.027
Pb	207	1	He	0.033220	42.4	1246.730
Pb	208	1	He	0.040216	4.2	3511.840
Bi	209	1	He	0.001651	226.8	1430.093
Th	232	1	He	0.005479	6.9	416.677
U	238	1	He	0.782875	0.9	54074.740

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.62156871	827017.893
Sc	45	2	H2	75.81195697	5081047.500
Ge	72	1	He	74.11565659	501867.837
Ge	72	2	H2	75.91383960	1376965.837
In	115	1	He	77.24801429	5630911.710
Tb	159	1	He	82.19750960	13309601.050
Ir	193	1	He	80.91705962	6325466.160

Sample Name	10607799007_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	225SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:39:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.315893	10.2	245.833
Be	9	2	H2	0.006908	149.7	8.667
B	11	2	H2	1.032985	28.5	2923.617
Na	23	1	He	310.267750	1.8	491027.050
Mg	24	1	He	620.227793	2.3	532467.987
Al	27	1	He	2.035869	7.7	1140.703
Si	28	2	H2	339.216605	7.1	1211016.127
K	39	1	He	57.044322	3.1	176376.230
Ca	43	1	He	3002.647574	2.0	11735.807
Ca	44	1	He	3090.167440	2.5	202256.343
Ti	47	1	He	0.027201	62.9	14.000
V	51	1	He	0.004665	833.3	-1366.947
Cr	52	1	He	0.100622	7.8	1644.747
Mn	55	1	He	0.086764	4.6	1532.737
Fe	56	1	He	0.877463	2.3	23329.023
Co	59	1	He	0.001263	50.2	104.000
Ni	60	1	He	-0.046185		501.343
Cu	63	1	He	0.037477	5.8	657.347
Zn	66	1	He	0.164266	5.6	544.010
As	75	1	He	-0.009948		197.333
Se	78	2	H2	0.013867	58.5	26.667
Sr	88	1	He	6.470386	0.8	105353.330
Mo	95	1	He	0.031374	22.7	230.000
Pd	105	1	He	0.004217	35.3	73.333
Ag	107	1	He	0.001465	454.3	781.693
Cd	111	1	He	0.000572	221.8	4.930
Sn	118	1	He	0.113051	5.5	1313.397
Sb	121	1	He	-0.001305		61.667
Ba	138	1	He	0.285527	3.7	9731.230
Pt	195	1	He	0.000727	263.2	86.667
Hg	202	1	He	0.004246	57.8	93.333
Tl	205	1	He	-0.011304		138.333
Pb	206	1	He	0.001160	114.7	100.000
Pb	207	1	He	-0.001750		810.033
Pb	208	1	He	0.000893	81.2	1148.370
Bi	209	1	He	-0.003377		1203.403
Th	232	1	He	0.001210	19.4	131.667
U	238	1	He	0.036974	7.5	2681.930

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.61475317	848815.897
Sc	45	2	H2	76.49386032	5126749.833
Ge	72	1	He	75.89310696	513903.690
Ge	72	2	H2	77.53711697	1406409.710
In	115	1	He	80.65508647	5879266.607
Tb	159	1	He	83.23927281	13478285.633
Ir	193	1	He	82.63715589	6459929.903

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	226_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:43:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	78.122210	6.8	46138.287
Be	9	2	H2	77.779372	5.9	39133.353
B	11	2	H2	75.857168	4.0	42381.687
Na	23	1	He	2027.873430	0.0	3055153.080
Mg	24	1	He	2002.885372	0.8	1671503.723
Al	27	1	He	1948.937779	0.5	879640.707
Si	28	2	H2	959.637375	6.7	3290253.000
K	39	1	He	2027.649895	0.4	2617226.213
Ca	43	1	He	1946.516760	1.7	7426.277
Ca	44	1	He	1960.926461	1.3	125280.917
Ti	47	1	He	75.699893	0.9	30966.253
V	51	1	He	80.472099	0.7	777390.860
Cr	52	1	He	80.670293	0.7	933688.000
Mn	55	1	He	82.437464	0.3	721180.167
Fe	56	1	He	1016.925625	0.6	10769131.000
Co	59	1	He	81.979940	1.3	1389236.457
Ni	60	1	He	82.039495	0.5	340932.467
Cu	63	1	He	83.879488	0.7	896694.393
Zn	66	1	He	80.603960	0.6	177734.507
As	75	1	He	78.119201	0.3	141177.807
Se	78	2	H2	75.736592	1.9	67517.017
Sr	88	1	He	74.892735	0.9	1164072.483
Mo	95	1	He	80.825157	0.9	539776.127
Pd	105	1	He	77.889790	0.9	772759.700
Ag	107	1	He	38.668715	2.8	764967.670
Cd	111	1	He	77.001298	1.8	289732.503
Sn	118	1	He	76.308306	1.1	754083.427
Sb	121	1	He	74.281563	0.6	957690.507
Ba	138	1	He	78.513190	0.4	2569691.370
Pt	195	1	He	78.593991	1.6	957123.320
Hg	202	1	He	3.722559	2.7	22923.280
Tl	205	1	He	40.068755	0.8	1783569.973
Pb	206	1	He	79.875669	1.0	1207122.873
Pb	207	1	He	83.492380	1.3	1054251.627
Pb	208	1	He	81.761565	0.4	4874131.650
Bi	209	1	He	84.365670	1.3	3958431.400
Th	232	1	He	77.811129	0.3	5255921.590
U	238	1	He	75.879256	0.7	5243143.047

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.71191244	828005.917
Sc	45	2	H2	73.92410121	4954520.167
Ge	72	1	He	75.36571248	510332.483
Ge	72	2	H2	75.94225277	1377481.210
In	115	1	He	77.12805630	5622167.500
Tb	159	1	He	81.02815684	13120256.887
Ir	193	1	He	81.05499486	6336248.863

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	227_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:46:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.032810	54.7	71.167
Be	9	2	H2	0.016682	31.8	13.333
B	11	2	H2	0.741809	95.2	2706.927
Na	23	1	He	12.321557	2.4	31563.557
Mg	24	1	He	-2.169716		905.033
Al	27	1	He	0.945292	8.7	609.343
Si	28	2	H2	-0.031925		9413.780
K	39	1	He	22.425885	4.9	126739.777
Ca	43	1	He	1.981867	17.1	15.453
Ca	44	1	He	0.807899	88.6	191.587
Ti	47	1	He	0.012097	85.3	7.333
V	51	1	He	-0.082770		-2141.950
Cr	52	1	He	-0.001527		414.677
Mn	55	1	He	-0.068303		137.333
Fe	56	1	He	0.007266	310.9	13305.577
Co	59	1	He	-0.000011		79.333
Ni	60	1	He	-0.137585		115.333
Cu	63	1	He	0.001371	175.7	259.333
Zn	66	1	He	0.023700	92.1	224.000
As	75	1	He	-0.005881		197.500
Se	78	2	H2	0.013086	78.4	25.333
Sr	88	1	He	0.002043	97.4	213.333
Mo	95	1	He	0.009254	71.1	78.333
Pd	105	1	He	0.003187	31.0	60.000
Ag	107	1	He	0.215372	17.8	4984.110
Cd	111	1	He	0.005066	15.2	21.643
Sn	118	1	He	0.021521	37.7	351.673
Sb	121	1	He	0.011426	11.3	223.333
Ba	138	1	He	0.003734	9.4	250.003
Pt	195	1	He	0.005635	15.9	143.333
Hg	202	1	He	0.021152	57.0	193.337
Tl	205	1	He	0.039933	28.9	2395.213
Pb	206	1	He	0.002403	134.5	115.000
Pb	207	1	He	-0.000490		798.367
Pb	208	1	He	0.002713	109.2	1216.710
Bi	209	1	He	0.001683	36.9	1400.087
Th	232	1	He	0.012132	20.3	860.030
U	238	1	He	0.003562	18.3	318.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.32702130	812860.373
Sc	45	2	H2	74.78503609	5012221.500
Ge	72	1	He	73.21636000	495778.327
Ge	72	2	H2	75.74799765	1373957.707
In	115	1	He	77.18515296	5626329.500
Tb	159	1	He	80.45077050	13026765.223
Ir	193	1	He	80.49919212	6292800.530

Sample Name	10607799008_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	228SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:50:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.126520	5.4	731.347
Be	9	2	H2	0.025837	55.6	18.167
B	11	2	H2	8.349690	17.8	6851.363
Na	23	1	He	4607.367814	2.0	6841706.773
Mg	24	1	He	12562.79797	2.1	10344757.140
Al	27	1	He	6.435983	0.9	3061.923
Si	28	2	H2	4328.204620	7.0	15143686.333
K	39	1	He	736.539620	2.1	1003105.220
Ca	43	1	He	45970.29297	2.1	173083.390
Ca	44	1	He	46862.53236	2.0	2954772.197
Ti	47	1	He	0.109383	37.2	46.667
V	51	1	He	1.107880	10.8	9227.753
Cr	52	1	He	0.771066	3.8	9247.713
Mn	55	1	He	0.780942	3.2	7472.233
Fe	56	1	He	4.815353	0.7	63643.570
Co	59	1	He	0.475271	5.1	7917.100
Ni	60	1	He	0.077678	4.8	984.697
Cu	63	1	He	0.560211	3.0	6073.043
Zn	66	1	He	1.916182	5.7	4281.193
As	75	1	He	0.590695	5.5	1245.543
Se	78	2	H2	9.963269	0.8	8943.923
Sr	88	1	He	73.501276	1.6	1142919.617
Mo	95	1	He	0.128203	2.1	851.697
Pd	105	1	He	0.012593	8.6	153.333
Ag	107	1	He	0.086651	16.7	2433.530
Cd	111	1	He	0.018278	30.0	71.410
Sn	118	1	He	0.064544	8.1	776.690
Sb	121	1	He	0.384425	2.3	5034.127
Ba	138	1	He	21.752919	2.0	712846.370
Pt	195	1	He	0.007712	54.1	170.003
Hg	202	1	He	0.018168	58.2	176.673
Tl	205	1	He	0.018552	23.0	1465.080
Pb	206	1	He	0.028978	17.7	518.347
Pb	207	1	He	0.017585	46.3	1033.380
Pb	208	1	He	0.025490	10.2	2586.770
Bi	209	1	He	0.012940	14.2	1940.150
Th	232	1	He	0.010385	19.5	740.027
U	238	1	He	0.268694	1.8	18410.953

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.81835884	818233.773
Sc	45	2	H2	75.54860203	5063397.000
Ge	72	1	He	73.36650194	496795.000
Ge	72	2	H2	76.34821389	1384844.750
In	115	1	He	77.15642217	5624235.200
Tb	159	1	He	81.12612313	13136119.803
Ir	193	1	He	80.06861508	6259141.367

Sample Name	10607799008_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	229SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:53:52
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.078375	21.4	100.833
Be	9	2	H2	0.007819	52.1	9.000
B	11	2	H2	0.680642	48.1	2733.590
Na	23	1	He	242.206577	1.4	384753.207
Mg	24	1	He	638.816349	2.0	546041.397
Al	27	1	He	1.528693	3.8	902.357
Si	28	2	H2	222.373210	6.6	798484.290
K	39	1	He	54.868590	1.9	172870.020
Ca	43	1	He	2285.912506	0.7	8898.463
Ca	44	1	He	2376.856932	2.0	154951.660
Ti	47	1	He	0.009811	28.4	6.667
V	51	1	He	0.062415	69.3	-791.240
Cr	52	1	He	0.096132	9.9	1584.073
Mn	55	1	He	-0.018107		590.677
Fe	56	1	He	0.566282	3.8	19870.243
Co	59	1	He	0.021351	14.0	448.677
Ni	60	1	He	-0.126827		165.333
Cu	63	1	He	0.043746	7.5	728.020
Zn	66	1	He	0.138920	2.8	490.010
As	75	1	He	0.008002	55.0	231.000
Se	78	2	H2	0.519416	5.8	491.010
Sr	88	1	He	3.595172	1.7	58395.007
Mo	95	1	He	0.007060	80.6	66.667
Pd	105	1	He	0.004256	86.6	73.333
Ag	107	1	He	0.048536	32.6	1746.773
Cd	111	1	He	0.004428	58.4	19.980
Sn	118	1	He	0.111175	19.9	1288.393
Sb	121	1	He	0.016723	25.8	303.343
Ba	138	1	He	1.099599	1.2	36880.280
Pt	195	1	He	0.005837	95.8	150.003
Hg	202	1	He	0.016008	34.4	166.670
Tl	205	1	He	-0.004353		453.343
Pb	206	1	He	0.001534	58.0	105.000
Pb	207	1	He	-0.000470		821.697
Pb	208	1	He	0.001666	74.5	1188.367
Bi	209	1	He	0.000357	876.2	1376.753
Th	232	1	He	0.003447	23.7	283.337
U	238	1	He	0.014423	11.2	1083.383

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.27959502	845150.517
Sc	45	2	H2	76.64662175	5136988.167
Ge	72	1	He	76.23919368	516247.187
Ge	72	2	H2	78.24253704	1419204.997
In	115	1	He	80.33667840	5856056.590
Tb	159	1	He	82.73985084	13397418.133
Ir	193	1	He	82.01267735	6411113.030

Sample Name	10607799009_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	230SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:57:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.092265	4.8	3679.863
Be	9	2	H2	0.006584	45.4	8.167
B	11	2	H2	13.256065	3.9	9372.547
Na	23	1	He	5452.077965	2.0	8104249.463
Mg	24	1	He	17642.22915	1.7	14545701.033
Al	27	1	He	7.460063	3.2	3522.673
Si	28	2	H2	5559.905207	6.6	19213765.333
K	39	1	He	649.819578	1.4	897986.703
Ca	43	1	He	57811.52466	2.0	217952.537
Ca	44	1	He	58664.01829	2.6	3703578.440
Ti	47	1	He	0.114464	61.7	48.667
V	51	1	He	0.145524	111.1	35.260
Cr	52	1	He	4.149026	3.4	47918.320
Mn	55	1	He	0.885296	3.6	8385.963
Fe	56	1	He	10.761617	1.6	125949.070
Co	59	1	He	0.075148	4.4	1320.053
Ni	60	1	He	0.826382	2.3	4010.467
Cu	63	1	He	0.534109	1.8	5806.953
Zn	66	1	He	2.932922	2.8	6467.183
As	75	1	He	0.321826	4.4	774.020
Se	78	2	H2	2.873038	2.1	2552.520
Sr	88	1	He	122.356237	1.8	1908590.073
Mo	95	1	He	0.238978	3.7	1573.417
Pd	105	1	He	0.023576	24.3	263.343
Ag	107	1	He	0.042824	16.7	1571.757
Cd	111	1	He	0.002280	32.3	11.193
Sn	118	1	He	0.047661	14.7	611.683
Sb	121	1	He	0.079932	8.1	1110.047
Ba	138	1	He	4.921515	1.3	161776.217
Pt	195	1	He	0.005511	22.5	143.333
Hg	202	1	He	0.002432	406.5	80.000
Tl	205	1	He	-0.003429		486.677
Pb	206	1	He	0.024401	24.9	450.013
Pb	207	1	He	0.020799	28.2	1076.717
Pb	208	1	He	0.022797	5.5	2431.763
Bi	209	1	He	-0.001682		1256.747
Th	232	1	He	0.002891	25.5	240.003
U	238	1	He	0.369745	2.5	25343.913

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.91933965	819338.127
Sc	45	2	H2	74.57674042	4998261.167
Ge	72	1	He	73.42194334	497170.417
Ge	72	2	H2	75.28035606	1365475.373
In	115	1	He	77.40784533	5642562.423
Tb	159	1	He	81.32032132	13167564.800
Ir	193	1	He	80.18421723	6268178.243

Sample Name	10607799009_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	231SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:00:59
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.335779	13.3	261.667
Be	9	2	H2	0.006842	36.5	8.667
B	11	2	H2	0.562574	67.0	2706.920
Na	23	1	He	276.903928	0.2	440982.990
Mg	24	1	He	880.445901	0.4	756860.403
Al	27	1	He	1.521081	4.9	905.357
Si	28	2	H2	282.729028	6.3	1025271.023
K	39	1	He	49.125345	3.5	166774.243
Ca	43	1	He	2843.616583	1.8	11146.723
Ca	44	1	He	2949.087192	0.6	193584.510
Ti	47	1	He	0.017616	71.2	10.000
V	51	1	He	-0.061331		-2027.153
Cr	52	1	He	0.256301	2.7	3500.350
Mn	55	1	He	-0.011366		655.347
Fe	56	1	He	0.873135	2.6	23347.040
Co	59	1	He	0.001216	27.0	104.000
Ni	60	1	He	-0.090694		318.000
Cu	63	1	He	0.033754	8.6	622.013
Zn	66	1	He	0.155173	15.9	528.010
As	75	1	He	0.011391	114.3	238.000
Se	78	2	H2	0.130090	7.1	135.667
Sr	88	1	He	5.900033	0.8	96091.003
Mo	95	1	He	0.011190	36.7	95.000
Pd	105	1	He	0.003247	104.2	63.333
Ag	107	1	He	0.036898	23.7	1515.083
Cd	111	1	He	-0.000688		-0.030
Sn	118	1	He	0.102389	9.7	1203.390
Sb	121	1	He	0.002407	90.5	111.667
Ba	138	1	He	0.242046	5.3	8263.787
Pt	195	1	He	0.000972	211.2	90.000
Hg	202	1	He	0.006878	59.8	110.000
Tl	205	1	He	-0.008964		245.000
Pb	206	1	He	0.000303	605.8	86.667
Pb	207	1	He	-0.006849		743.360
Pb	208	1	He	-0.000918		1036.697
Bi	209	1	He	0.000550	417.3	1393.427
Th	232	1	He	0.000797	76.0	103.333
U	238	1	He	0.019128	0.4	1425.080

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.83014836	851171.517
Sc	45	2	H2	77.58452422	5199848.000
Ge	72	1	He	76.48615734	517919.480
Ge	72	2	H2	79.41834901	1440532.503
In	115	1	He	80.66111537	5879706.077
Tb	159	1	He	83.19078758	13470434.800
Ir	193	1	He	82.74400864	6468282.820

Sample Name	10607799010_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	232SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:04:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.958937	4.3	3023.243
Be	9	2	H2	0.024424	14.3	17.333
B	11	2	H2	16.035895	9.3	10930.053
Na	23	1	He	14400.07100	1.3	21544140.513
Mg	24	1	He	25017.03676	1.6	20780086.357
Al	27	1	He	22.984025	0.5	10532.997
Si	28	2	H2	5863.035507	8.2	20376152.000
K	39	1	He	1314.139742	1.4	1726407.527
Ca	43	1	He	50195.20682	1.4	190665.323
Ca	44	1	He	50901.47851	1.5	3237836.567
Ti	47	1	He	0.513409	11.7	212.000
V	51	1	He	0.946644	7.8	7754.370
Cr	52	1	He	1.131414	3.1	13487.037
Mn	55	1	He	40.482751	1.4	353428.900
Fe	56	1	He	34.408051	1.6	376196.157
Co	59	1	He	0.388632	2.8	6554.540
Ni	60	1	He	0.784724	3.5	3877.097
Cu	63	1	He	0.362627	4.1	4057.803
Zn	66	1	He	5.580490	1.0	12262.210
As	75	1	He	0.536046	3.0	1161.540
Se	78	2	H2	6.998636	1.6	6257.777
Sr	88	1	He	269.316864	1.4	4182002.123
Mo	95	1	He	0.674065	3.8	4443.937
Pd	105	1	He	0.045240	26.0	476.687
Ag	107	1	He	0.033349	17.1	1376.737
Cd	111	1	He	0.025563	9.1	98.667
Sn	118	1	He	0.098898	12.0	1115.050
Sb	121	1	He	0.105276	6.7	1431.743
Ba	138	1	He	44.781142	0.9	1480182.687
Pt	195	1	He	0.010608	89.2	206.673
Hg	202	1	He	0.009349	95.4	123.333
Tl	205	1	He	0.030707	4.7	2023.487
Pb	206	1	He	0.111025	5.8	1775.113
Pb	207	1	He	0.105964	5.7	2168.500
Pb	208	1	He	0.110943	1.8	7752.440
Bi	209	1	He	0.015332	19.3	2070.180
Th	232	1	He	0.015344	4.3	1070.047
U	238	1	He	0.813406	2.8	55564.993

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.48037188	825473.727
Sc	45	2	H2	75.07318647	5031533.833
Ge	72	1	He	74.10146556	501771.743
Ge	72	2	H2	76.01310102	1378766.293
In	115	1	He	77.05405028	5616772.910
Tb	159	1	He	81.82796740	13249763.967
Ir	193	1	He	80.04057865	6256949.697

Sample Name	10607799010_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	233SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:08:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.288940	10.2	231.500
Be	9	2	H2	0.007518	71.5	9.000
B	11	2	H2	0.363301	94.0	2580.233
Na	23	1	He	733.049518	1.3	1141133.627
Mg	24	1	He	1260.382416	0.7	1079275.740
Al	27	1	He	2.417255	1.6	1317.383
Si	28	2	H2	300.839239	5.3	1085938.250
K	39	1	He	86.675482	0.8	214081.200
Ca	43	1	He	2512.544044	1.7	9822.583
Ca	44	1	He	2551.986027	0.5	167077.417
Ti	47	1	He	0.044709	12.2	21.333
V	51	1	He	0.060336	65.7	-815.623
Cr	52	1	He	0.087889	3.5	1493.403
Mn	55	1	He	1.972315	1.2	18426.053
Fe	56	1	He	2.336653	0.9	39151.483
Co	59	1	He	0.017852	25.4	391.340
Ni	60	1	He	-0.094663		302.667
Cu	63	1	He	0.027546	13.7	557.343
Zn	66	1	He	0.317454	1.1	894.693
As	75	1	He	0.014804	83.8	245.333
Se	78	2	H2	0.327438	7.8	316.000
Sr	88	1	He	13.024639	0.1	210960.250
Mo	95	1	He	0.031934	27.6	236.673
Pd	105	1	He	0.001984	212.3	50.000
Ag	107	1	He	1.173401	86.7	24911.197
Cd	111	1	He	0.001854	68.7	9.930
Sn	118	1	He	0.109398	16.6	1270.060
Sb	121	1	He	0.006661	33.0	168.333
Ba	138	1	He	2.181748	0.9	73114.237
Pt	195	1	He	0.000740	378.3	86.667
Hg	202	1	He	0.006429	74.9	106.667
Tl	205	1	He	-0.007545		308.343
Pb	206	1	He	0.008752	28.5	216.670
Pb	207	1	He	0.002608	216.4	861.700
Pb	208	1	He	0.006717	25.6	1496.713
Bi	209	1	He	0.000268	273.3	1373.423
Th	232	1	He	0.000992	30.9	115.000
U	238	1	He	0.039445	6.5	2811.947

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.61708303	848841.377
Sc	45	2	H2	77.31285605	5181640.333
Ge	72	1	He	76.82263307	520197.897
Ge	72	2	H2	78.53984863	1424597.793
In	115	1	He	80.30503828	5853750.217
Tb	159	1	He	82.81970401	13410348.133
Ir	193	1	He	81.41887625	6364694.280

Sample Name	10607799011_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	234SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:11:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.640337	4.7	2905.560
Be	9	2	H2	0.008151	63.4	9.333
B	11	2	H2	12.038065	11.3	9015.687
Na	23	1	He	6554.309815	1.4	10007950.060
Mg	24	1	He	29547.25635	1.6	25029128.793
Al	27	1	He	11.468653	1.9	5458.477
Si	28	2	H2	5785.172477	5.7	20623690.667
K	39	1	He	1099.068153	1.4	1489352.163
Ca	43	1	He	44088.32835	1.0	170793.583
Ca	44	1	He	44868.85483	0.9	2910816.620
Ti	47	1	He	0.123675	3.5	54.000
V	51	1	He	1.189627	5.8	10303.817
Cr	52	1	He	2.692890	1.4	32116.973
Mn	55	1	He	0.750100	0.8	7414.207
Fe	56	1	He	16.063786	0.6	186428.470
Co	59	1	He	0.237127	1.2	4057.140
Ni	60	1	He	0.188221	12.6	1454.730
Cu	63	1	He	0.375993	3.8	4225.847
Zn	66	1	He	10.810579	2.3	23741.677
As	75	1	He	0.255130	5.4	667.343
Se	78	2	H2	0.176100	6.1	174.000
Sr	88	1	He	110.919833	0.7	1733925.963
Mo	95	1	He	0.627068	5.0	4162.210
Pd	105	1	He	0.015522	3.8	183.337
Ag	107	1	He	1.232405	82.0	25214.090
Cd	111	1	He	0.012202	11.0	48.753
Sn	118	1	He	0.163585	3.9	1765.113
Sb	121	1	He	5.962947	0.2	77387.273
Ba	138	1	He	45.271328	1.0	1496146.853
Pt	195	1	He	0.008154	23.3	176.673
Hg	202	1	He	0.012024	13.7	140.000
Tl	205	1	He	0.018802	5.9	1488.417
Pb	206	1	He	0.048357	4.0	818.363
Pb	207	1	He	0.040953	1.6	1340.067
Pb	208	1	He	0.046784	3.3	3890.217
Bi	209	1	He	-0.000227		1333.423
Th	232	1	He	0.002530	17.7	216.670
U	238	1	He	1.218327	0.8	83684.460

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.97604698	841830.833
Sc	45	2	H2	76.97653969	5159099.833
Ge	72	1	He	74.58173449	505023.843
Ge	72	2	H2	77.39561565	1403843.083
In	115	1	He	77.56581577	5654077.510
Tb	159	1	He	81.81753801	13248075.217
Ir	193	1	He	80.50990300	6293637.823

Sample Name	10607799011_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	235SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:15:14
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.239165	6.1	207.833
Be	9	2	H2	0.001482	240.9	6.000
B	11	2	H2	0.156018	229.5	2556.897
Na	23	1	He	338.117764	1.1	548530.277
Mg	24	1	He	1507.026033	0.8	1325332.793
Al	27	1	He	1.803343	1.6	1061.697
Si	28	2	H2	294.635889	6.8	1100525.247
K	39	1	He	74.870030	3.3	204513.760
Ca	43	1	He	2219.353966	1.2	8915.290
Ca	44	1	He	2277.858578	1.0	153236.000
Ti	47	1	He	0.007675	261.1	6.000
V	51	1	He	0.098563	132.8	-452.967
Cr	52	1	He	0.142211	2.2	2196.140
Mn	55	1	He	-0.028282		516.010
Fe	56	1	He	0.900571	5.3	24226.867
Co	59	1	He	0.008397	15.7	230.667
Ni	60	1	He	-0.123465		182.667
Cu	63	1	He	0.015428	14.7	429.343
Zn	66	1	He	0.541796	3.4	1412.063
As	75	1	He	0.018924	20.2	255.333
Se	78	2	H2	0.013311	88.5	27.000
Sr	88	1	He	5.284708	2.0	87484.760
Mo	95	1	He	0.029917	15.0	225.000
Pd	105	1	He	0.004129	158.1	73.333
Ag	107	1	He	0.123051	11.5	3350.360
Cd	111	1	He	0.000549	228.0	4.933
Sn	118	1	He	0.107207	2.6	1273.393
Sb	121	1	He	0.284813	5.5	3983.830
Ba	138	1	He	2.154492	1.3	73743.493
Pt	195	1	He	-0.000691		70.000
Hg	202	1	He	0.002977	83.0	86.667
Tl	205	1	He	-0.009667		216.670
Pb	206	1	He	0.001384	26.0	105.000
Pb	207	1	He	0.003977	160.5	898.367
Pb	208	1	He	0.001726	65.8	1218.367
Bi	209	1	He	-0.002344		1276.753
Th	232	1	He	0.000375	4.2	75.000
U	238	1	He	0.060609	5.7	4397.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	79.74934385	872160.357
Sc	45	2	H2	80.01603709	5362812.167
Ge	72	1	He	77.56810754	525245.813
Ge	72	2	H2	80.52711644	1460643.920
In	115	1	He	81.96791312	5974963.707
Tb	159	1	He	84.59795775	13698286.880
Ir	193	1	He	83.64563435	6538764.903

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	236_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:18:50
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	77.792543	5.9	47512.863
Be	9	2	H2	77.383683	4.9	40261.410
B	11	2	H2	76.796588	6.3	44343.373
Na	23	1	He	2032.395076	0.8	3082610.890
Mg	24	1	He	2016.844780	1.5	1694367.003
Al	27	1	He	1954.832059	0.7	888220.063
Si	28	2	H2	961.861561	6.0	3410270.750
K	39	1	He	2043.710888	1.5	2654801.313
Ca	43	1	He	1948.635840	2.9	7482.673
Ca	44	1	He	1945.699698	1.1	125130.130
Ti	47	1	He	76.065199	0.9	31327.513
V	51	1	He	80.587436	0.8	783782.247
Cr	52	1	He	80.837782	0.5	941877.897
Mn	55	1	He	82.124443	0.4	723323.293
Fe	56	1	He	1021.583442	1.5	10890549.000
Co	59	1	He	82.481196	1.2	1409057.877
Ni	60	1	He	81.966652	1.0	343409.810
Cu	63	1	He	83.868152	0.3	903960.893
Zn	66	1	He	80.376626	1.0	178689.957
As	75	1	He	78.194088	0.9	142468.470
Se	78	2	H2	77.051604	0.5	69740.527
Sr	88	1	He	74.786655	1.3	1174926.050
Mo	95	1	He	81.545556	0.5	549044.223
Pd	105	1	He	77.093572	0.6	773008.037
Ag	107	1	He	39.981057	5.5	799676.290
Cd	111	1	He	76.919505	1.2	292572.823
Sn	118	1	He	75.861397	0.2	757730.067
Sb	121	1	He	73.332169	0.8	955575.063
Ba	138	1	He	78.226234	1.3	2585148.867
Pt	195	1	He	76.836603	1.0	944946.730
Hg	202	1	He	3.540939	3.2	22025.613
Tl	205	1	He	39.438157	0.6	1772576.793
Pb	206	1	He	78.907005	0.8	1204179.463
Pb	207	1	He	81.809446	1.2	1043201.780
Pb	208	1	He	80.511931	0.7	4846544.020
Bi	209	1	He	84.047088	1.0	3981417.337
Th	232	1	He	78.263365	0.7	5281081.173
U	238	1	He	76.120293	0.7	5253930.443

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.22444459	833611.107
Sc	45	2	H2	76.38843429	5119684.000
Ge	72	1	He	75.98238816	514508.250
Ge	72	2	H2	77.08525890	1398213.667
In	115	1	He	77.95199298	5682227.487
Tb	159	1	He	81.81724723	13248028.133
Ir	193	1	He	80.96987834	6329595.117

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	237_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:22:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.038619	36.5	75.000
Be	9	2	H2	0.017548	6.1	13.833
B	11	2	H2	0.204383	93.8	2426.877
Na	23	1	He	10.366766	2.9	29136.277
Mg	24	1	He	-1.996460		1063.370
Al	27	1	He	0.923469	8.0	609.343
Si	28	2	H2	0.017539	238.0	9626.560
K	39	1	He	23.755723	6.4	130393.593
Ca	43	1	He	1.129693	147.8	12.490
Ca	44	1	He	0.821294	132.4	195.187
Ti	47	1	He	0.016706	15.9	9.333
V	51	1	He	-0.023709		-1607.480
Cr	52	1	He	0.001063	623.0	451.343
Mn	55	1	He	-0.064745		170.667
Fe	56	1	He	0.047009	59.7	13935.483
Co	59	1	He	0.003285	75.8	135.333
Ni	60	1	He	-0.142242		98.000
Cu	63	1	He	0.003621	75.8	286.667
Zn	66	1	He	0.024450	81.3	228.667
As	75	1	He	0.014773	28.4	237.000
Se	78	2	H2	0.009838	23.5	22.667
Sr	88	1	He	0.000834	497.7	196.670
Mo	95	1	He	0.022515	16.3	166.667
Pd	105	1	He	0.007108	42.6	100.000
Ag	107	1	He	0.979474	64.8	20312.330
Cd	111	1	He	0.005416	73.4	23.283
Sn	118	1	He	0.015602	36.4	296.673
Sb	121	1	He	0.012493	26.8	240.000
Ba	138	1	He	0.004735	36.6	281.673
Pt	195	1	He	0.002632	66.4	106.667
Hg	202	1	He	0.032762	20.7	263.340
Tl	205	1	He	0.046038	27.4	2658.587
Pb	206	1	He	0.007207	36.0	186.667
Pb	207	1	He	0.004605	156.4	860.030
Pb	208	1	He	0.004992	53.9	1348.370
Bi	209	1	He	0.003619	117.8	1486.767
Th	232	1	He	0.013827	20.5	980.043
U	238	1	He	0.004685	13.8	396.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.50620732	825756.270
Sc	45	2	H2	75.15043258	5036711.000
Ge	72	1	He	74.25415990	502805.700
Ge	72	2	H2	76.56456250	1388768.997
In	115	1	He	78.11384596	5694025.587
Tb	159	1	He	80.23980757	12992605.643
Ir	193	1	He	80.83794204	6319281.363

Sample Name	4322416_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	238SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:25:59
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.452022	4.5	64897.620
Be	9	2	H2	102.933758	3.9	53469.823
B	11	2	H2	111.259538	5.5	63100.697
Na	23	1	He	8797.348801	1.3	13412406.050
Mg	24	1	He	32116.40800	1.4	27173212.930
Al	27	1	He	2081.476722	0.8	953956.623
Si	28	2	H2	6486.732260	6.7	22920153.333
K	39	1	He	3276.294023	1.0	4230863.893
Ca	43	1	He	47577.31884	0.9	184095.687
Ca	44	1	He	47874.30546	1.4	3102024.373
Ti	47	1	He	101.146367	1.1	42017.553
V	51	1	He	108.883763	1.1	1068641.687
Cr	52	1	He	109.731877	1.2	1289422.453
Mn	55	1	He	106.322815	1.0	944354.627
Fe	56	1	He	2140.551791	1.8	23001345.333
Co	59	1	He	107.143581	1.7	1828938.460
Ni	60	1	He	106.117020	0.7	444062.123
Cu	63	1	He	105.651750	1.1	1137831.877
Zn	66	1	He	114.464928	0.7	254211.413
As	75	1	He	105.760351	0.4	192482.310
Se	78	2	H2	103.730232	0.9	93067.760
Sr	88	1	He	217.199291	0.2	3331904.950
Mo	95	1	He	110.340065	0.3	742380.927
Pd	105	1	He	20.016010	2.4	195986.240
Ag	107	1	He	47.509705	6.0	927563.060
Cd	111	1	He	102.132398	1.1	379354.850
Sn	118	1	He	103.074010	0.6	1005295.063
Sb	121	1	He	107.655835	0.8	1369830.083
Ba	138	1	He	148.447565	1.2	4941662.320
Pt	195	1	He	19.945299	1.2	247162.960
Hg	202	1	He	0.026266	1.1	230.010
Tl	205	1	He	104.189676	1.3	4716196.493
Pb	206	1	He	103.710175	1.4	1594253.047
Pb	207	1	He	103.412233	0.4	1328211.440
Pb	208	1	He	103.802096	0.7	6294223.187
Bi	209	1	He	104.977910	1.0	5009165.550
Th	232	1	He	107.733018	1.2	7172723.017
U	238	1	He	103.515595	1.0	7049487.603

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.88880852	840876.770
Sc	45	2	H2	76.25799896	5110942.000
Ge	72	1	He	75.92919888	514148.083
Ge	72	2	H2	76.41034001	1385971.627
In	115	1	He	76.12239408	5548860.823
Tb	159	1	He	82.42122816	13345826.050
Ir	193	1	He	79.89113566	6245267.407

Sample Name	10607799012_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	239SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:29:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	8.716254	3.8	5072.020
Be	9	2	H2	0.039962	13.8	24.333
B	11	2	H2	15.902611	9.1	10443.140
Na	23	1	He	5656.928841	1.3	8435735.707
Mg	24	1	He	57447.17244	1.1	47512642.627
Al	27	1	He	9.138295	2.6	4285.833
Si	28	2	H2	6774.062460	8.0	22651266.000
K	39	1	He	1520.734905	1.3	1973550.593
Ca	43	1	He	134715.4476	1.1	509536.923
Ca	44	1	He	136434.6997	1.5	8641736.373
Ti	47	1	He	0.172791	1.2	72.667
V	51	1	He	0.010654	450.2	-1268.273
Cr	52	1	He	0.403198	2.4	5066.727
Mn	55	1	He	365.032190	1.5	3167565.167
Fe	56	1	He	194.990735	2.1	2060458.207
Co	59	1	He	0.291284	2.0	4851.337
Ni	60	1	He	3.921425	3.2	16390.133
Cu	63	1	He	0.189045	8.4	2196.813
Zn	66	1	He	3.532526	2.9	7697.677
As	75	1	He	3.015974	2.5	5468.840
Se	78	2	H2	0.462128	3.5	411.677
Sr	88	1	He	167.833628	1.2	2564893.240
Mo	95	1	He	4.318916	1.8	27905.713
Pd	105	1	He	0.028933	12.9	310.010
Ag	107	1	He	1.599728	73.8	31794.157
Cd	111	1	He	0.018685	43.4	71.630
Sn	118	1	He	0.154944	3.4	1641.760
Sb	121	1	He	0.448760	3.0	5762.687
Ba	138	1	He	12.027549	0.2	393217.237
Pt	195	1	He	0.016798	34.0	280.010
Hg	202	1	He	0.012829	53.5	143.337
Tl	205	1	He	0.033289	13.3	2115.160
Pb	206	1	He	0.064855	7.6	1058.377
Pb	207	1	He	0.059056	6.3	1553.427
Pb	208	1	He	0.065794	2.0	4978.677
Bi	209	1	He	0.009199	54.1	1760.137
Th	232	1	He	0.031642	13.5	2106.833
U	238	1	He	0.275409	2.6	18419.243

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.15729403	821940.460
Sc	45	2	H2	72.14944509	4835579.667
Ge	72	1	He	72.87546422	493469.980
Ge	72	2	H2	73.42930635	1331900.043
In	115	1	He	75.83251394	5527730.320
Tb	159	1	He	80.91695891	13102251.473
Ir	193	1	He	78.15221335	6109331.990

Sample Name	10607799012_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	240SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:33:07
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.494283	13.6	362.500
Be	9	2	H2	0.018524	44.5	15.000
B	11	2	H2	0.207531	139.4	2526.893
Na	23	1	He	298.257753	1.9	473576.840
Mg	24	1	He	2967.289564	1.2	2542400.900
Al	27	1	He	1.934081	5.5	1096.033
Si	28	2	H2	358.739806	5.3	1306974.583
K	39	1	He	96.626520	2.7	227208.213
Ca	43	1	He	6763.894268	1.6	26483.613
Ca	44	1	He	6930.541586	1.2	454426.743
Ti	47	1	He	0.098598	154.8	44.003
V	51	1	He	-0.032501		-1742.957
Cr	52	1	He	0.054797	7.9	1103.370
Mn	55	1	He	18.520281	0.7	167033.597
Fe	56	1	He	10.566641	1.6	128646.407
Co	59	1	He	0.013199	1.4	311.333
Ni	60	1	He	0.069620	21.3	996.700
Cu	63	1	He	0.027199	8.8	553.343
Zn	66	1	He	0.237537	12.1	715.350
As	75	1	He	0.164164	10.0	519.843
Se	78	2	H2	0.031165	59.3	43.000
Sr	88	1	He	8.003997	1.0	130828.837
Mo	95	1	He	0.198874	13.0	1371.740
Pd	105	1	He	0.004185	70.2	73.333
Ag	107	1	He	1.125153	83.1	24093.850
Cd	111	1	He	0.000901	79.6	6.257
Sn	118	1	He	0.109790	1.2	1285.063
Sb	121	1	He	0.020471	26.6	356.677
Ba	138	1	He	0.611411	1.7	20681.130
Pt	195	1	He	0.003904	115.6	126.670
Hg	202	1	He	0.010594	23.5	133.337
Tl	205	1	He	0.000663	384.7	685.023
Pb	206	1	He	0.009657	12.2	231.667
Pb	207	1	He	0.004454	170.0	890.037
Pb	208	1	He	0.007463	30.5	1550.047
Bi	209	1	He	-0.001109		1313.410
Th	232	1	He	0.006613	20.8	501.683
U	238	1	He	0.015800	10.5	1181.727

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.78096035	850633.583
Sc	45	2	H2	78.14387276	5237336.500
Ge	72	1	He	76.80011488	520045.417
Ge	72	2	H2	79.01854624	1433280.667
In	115	1	He	80.99719362	5904204.143
Tb	159	1	He	83.20746741	13473135.633
Ir	193	1	He	82.20515831	6426159.693

Sample Name	10607799013_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	241SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:36:42
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	9.276935	5.4	5710.370
Be	9	2	H2	0.027606	19.4	19.333
B	11	2	H2	23.875445	11.4	15416.697
Na	23	1	He	15127.17060	0.9	22954240.493
Mg	24	1	He	49496.54698	0.9	41698047.710
Al	27	1	He	8.110163	3.6	3896.417
Si	28	2	H2	5267.395984	6.3	18631914.000
K	39	1	He	1887.418065	0.5	2470288.037
Ca	43	1	He	26396.15479	0.2	101702.607
Ca	44	1	He	26992.70824	0.8	1741607.843
Ti	47	1	He	0.109867	11.3	48.000
V	51	1	He	-0.043136		-1814.833
Cr	52	1	He	0.585325	3.1	7290.823
Mn	55	1	He	57.882470	0.4	512244.273
Fe	56	1	He	284.310487	0.6	3053924.833
Co	59	1	He	0.266594	5.1	4585.267
Ni	60	1	He	0.055880	27.5	918.693
Cu	63	1	He	0.139100	5.9	1734.090
Zn	66	1	He	2.479111	2.6	5622.897
As	75	1	He	0.124344	4.2	437.010
Se	78	2	H2	0.014441	30.0	27.000
Sr	88	1	He	63.700478	0.8	983622.593
Mo	95	1	He	0.128128	10.7	871.693
Pd	105	1	He	0.014053	14.5	166.667
Ag	107	1	He	1.406735	72.2	28395.527
Cd	111	1	He	0.020653	13.2	79.737
Sn	118	1	He	0.616952	5.7	6194.513
Sb	121	1	He	0.221521	4.7	2911.937
Ba	138	1	He	16.556653	1.0	549888.860
Pt	195	1	He	0.011317	25.0	216.673
Hg	202	1	He	0.015660	51.8	163.337
Tl	205	1	He	-0.000476		625.020
Pb	206	1	He	0.061494	9.0	1023.380
Pb	207	1	He	0.048193	31.0	1438.413
Pb	208	1	He	0.055751	6.6	4450.267
Bi	209	1	He	0.007848	40.3	1723.463
Th	232	1	He	0.009375	23.4	670.020
U	238	1	He	0.014931	4.0	1088.383

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.55472112	837223.100
Sc	45	2	H2	76.39467605	5120102.333
Ge	72	1	He	75.14549360	508841.290
Ge	72	2	H2	77.22880449	1400817.373
In	115	1	He	76.61469585	5584746.637
Tb	159	1	He	82.21344575	13312181.467
Ir	193	1	He	79.77448352	6236148.450

Sample Name	10607799013_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	242SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:40:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.479471	4.6	354.333
Be	9	2	H2	0.007701	79.8	9.167
B	11	2	H2	0.752984	38.6	2840.267
Na	23	1	He	775.689363	1.1	1216119.123
Mg	24	1	He	2519.894875	1.0	2171848.717
Al	27	1	He	1.728842	4.7	1006.697
Si	28	2	H2	267.157117	5.4	979863.250
K	39	1	He	117.414117	1.3	255152.647
Ca	43	1	He	1327.886150	2.1	5235.450
Ca	44	1	He	1373.525073	1.9	90689.140
Ti	47	1	He	0.015938	18.0	9.333
V	51	1	He	-0.091650		-2339.037
Cr	52	1	He	0.078163	5.7	1388.723
Mn	55	1	He	2.877507	3.3	26741.063
Fe	56	1	He	14.820654	1.2	175865.073
Co	59	1	He	0.014546	3.5	335.333
Ni	60	1	He	-0.125328		173.333
Cu	63	1	He	0.013230	21.7	402.010
Zn	66	1	He	0.159988	9.3	542.010
As	75	1	He	0.022047	56.1	259.000
Se	78	2	H2	0.003882	215.9	18.000
Sr	88	1	He	3.121193	1.2	50736.413
Mo	95	1	He	0.013316	24.5	110.000
Pd	105	1	He	0.004561	68.1	76.667
Ag	107	1	He	1.273802	82.1	26978.277
Cd	111	1	He	0.002282	84.9	11.630
Sn	118	1	He	0.131818	4.4	1501.743
Sb	121	1	He	0.013226	18.8	256.673
Ba	138	1	He	0.838584	0.9	28093.430
Pt	195	1	He	0.004261	32.5	130.000
Hg	202	1	He	0.003838	151.0	90.003
Tl	205	1	He	-0.007855		293.340
Pb	206	1	He	0.005554	41.4	166.667
Pb	207	1	He	0.002022	436.3	851.700
Pb	208	1	He	0.003937	39.9	1323.373
Bi	209	1	He	-0.002011		1260.080
Th	232	1	He	0.002672	43.9	230.003
U	238	1	He	0.001602	21.8	186.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	78.22398343	855478.603
Sc	45	2	H2	78.47702100	5259664.667
Ge	72	1	He	76.96133821	521137.127
Ge	72	2	H2	79.62152364	1444217.793
In	115	1	He	80.36858156	5858382.137
Tb	159	1	He	82.55391792	13367311.467
Ir	193	1	He	81.77027185	6392163.653

Sample Name	10607799014_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	243SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:43:51
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.394299	3.6	2050.447
Be	9	2	H2	0.021821	29.5	15.667
B	11	2	H2	12.357168	15.2	8815.597
Na	23	1	He	5905.717926	1.0	8744912.993
Mg	24	1	He	46121.83732	1.4	37881172.770
Al	27	1	He	45.747436	3.2	20541.627
Si	28	2	H2	7209.950337	7.2	24646619.333
K	39	1	He	1036.644774	0.2	1367688.677
Ca	43	1	He	121231.0274	0.7	455326.197
Ca	44	1	He	123354.3358	1.4	7758904.030
Ti	47	1	He	0.694457	14.5	282.670
V	51	1	He	1.414362	4.7	12132.943
Cr	52	1	He	1.357092	4.2	15911.027
Mn	55	1	He	175.864902	0.6	1515785.747
Fe	56	1	He	187.004368	1.5	1962828.873
Co	59	1	He	0.256454	1.3	4271.187
Ni	60	1	He	16.074254	0.6	64975.623
Cu	63	1	He	0.292758	1.2	3261.643
Zn	66	1	He	31.684508	1.9	67502.103
As	75	1	He	5.325264	1.8	9475.843
Se	78	2	H2	0.189234	8.4	179.000
Sr	88	1	He	159.767017	0.9	2421668.037
Mo	95	1	He	23.397373	0.5	150756.443
Pd	105	1	He	0.028176	24.4	300.010
Ag	107	1	He	1.401705	80.5	27620.840
Cd	111	1	He	0.016980	28.4	64.777
Sn	118	1	He	2.378049	2.5	23047.217
Sb	121	1	He	3.484451	0.7	43879.550
Ba	138	1	He	43.436297	1.8	1406712.117
Pt	195	1	He	0.010115	13.9	196.673
Hg	202	1	He	0.010326	94.0	126.667
Tl	205	1	He	0.133019	9.3	6484.717
Pb	206	1	He	0.133384	1.8	2073.490
Pb	207	1	He	0.113099	4.1	2213.507
Pb	208	1	He	0.122896	1.1	8300.880
Bi	209	1	He	-0.000079		1313.423
Th	232	1	He	0.032575	4.9	2173.507
U	238	1	He	12.527251	1.0	837083.163

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.63101953	816184.980
Sc	45	2	H2	73.80170307	4946316.833
Ge	72	1	He	72.70513743	492316.627
Ge	72	2	H2	74.48719903	1351088.667
In	115	1	He	75.21237213	5482525.743
Tb	159	1	He	80.17013934	12981324.810
Ir	193	1	He	78.38519787	6127544.907

Sample Name	10607799014_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	244SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:47:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.164964	5.9	154.667
Be	9	2	H2	0.007029	79.0	8.667
B	11	2	H2	0.674281	60.1	2753.590
Na	23	1	He	247.754297	30.9	437190.163
Mg	24	1	He	1914.390280	30.0	1812950.440
Al	27	1	He	2.830732	32.8	1673.747
Si	28	2	H2	328.657923	8.7	1184137.937
K	39	1	He	49.759256	70.0	186157.150
Ca	43	1	He	4899.499549	30.2	21176.710
Ca	44	1	He	4998.607950	30.6	361522.517
Ti	47	1	He	0.032994	99.5	16.667
V	51	1	He	0.132347	66.7	-168.720
Cr	52	1	He	0.102714	44.6	1837.437
Mn	55	1	He	6.948563	29.9	69773.187
Fe	56	1	He	7.992098	34.7	111182.457
Co	59	1	He	0.010892	59.6	292.000
Ni	60	1	He	0.523583	41.9	3199.630
Cu	63	1	He	0.016777	82.5	483.343
Zn	66	1	He	1.314974	33.7	3440.343
As	75	1	He	0.200674	50.3	644.510
Se	78	2	H2	0.013283	43.9	26.333
Sr	88	1	He	6.178220	29.0	110035.080
Mo	95	1	He	0.935295	34.8	6978.137
Pd	105	1	He	0.002898	60.0	66.667
Ag	107	1	He	1.317390	117.5	28396.953
Cd	111	1	He	0.005708	117.5	26.243
Sn	118	1	He	0.195552	28.5	2380.187
Sb	121	1	He	0.138696	34.5	2115.160
Ba	138	1	He	1.746424	30.9	64247.420
Pt	195	1	He	0.003101	72.7	130.000
Hg	202	1	He	0.014432	36.8	186.670
Tl	205	1	He	-0.000376		708.357
Pb	206	1	He	0.006064	45.1	195.000
Pb	207	1	He	-0.002937		898.370
Pb	208	1	He	0.003970	109.8	1491.713
Bi	209	1	He	-0.002096		1436.770
Th	232	1	He	0.004464	21.0	400.010
U	238	1	He	0.491449	30.7	37313.233

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.03168081	995547.040
Sc	45	2	H2	77.21445014	5175045.000
Ge	72	1	He	89.99071474	609364.437
Ge	72	2	H2	78.19722632	1418383.127
In	115	1	He	93.10320730	6786659.113
Tb	159	1	He	96.22553289	15581049.350
Ir	193	1	He	94.03322247	7350785.723

Sample Name	10607799015_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	245SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:50:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	10.355343	3.6	5884.420
Be	9	2	H2	0.018695	49.6	13.667
B	11	2	H2	7.555271	5.5	5987.803
Na	23	1	He	12867.24836	1.8	18469409.307
Mg	24	1	He	81066.90656	2.0	64593007.370
Al	27	1	He	11.240899	0.8	5037.023
Si	28	2	H2	288.965341	7.9	953666.520
K	39	1	He	2404.021029	1.2	2949601.100
Ca	43	1	He	244942.1159	1.1	892599.083
Ca	44	1	He	249278.3316	2.2	15211129.890
Ti	47	1	He	0.494258	74.8	194.693
V	51	1	He	0.037815	219.5	-975.750
Cr	52	1	He	0.218607	3.3	2840.237
Mn	55	1	He	4646.483524	1.5	38836693.333
Fe	56	1	He	30471.77146	1.4	308222826.667
Co	59	1	He	0.654879	2.5	10361.667
Ni	60	1	He	0.411042	4.7	2218.817
Cu	63	1	He	0.289023	4.8	3096.277
Zn	66	1	He	2.371397	2.1	5008.050
As	75	1	He	0.226792	1.4	577.677
Se	78	2	H2	0.092986	20.4	92.333
Sr	88	1	He	544.671404	1.8	8042258.007
Mo	95	1	He	0.274687	7.9	1716.770
Pd	105	1	He	0.081728	14.0	796.700
Ag	107	1	He	2.090906	82.1	40127.000
Cd	111	1	He	0.024329	19.3	89.483
Sn	118	1	He	0.063751	17.9	730.027
Sb	121	1	He	0.042555	2.0	593.353
Ba	138	1	He	18.444145	0.5	593114.210
Pt	195	1	He	0.008814	42.3	180.007
Hg	202	1	He	0.013196	13.4	143.333
Tl	205	1	He	-0.002581		513.347
Pb	206	1	He	0.035470	10.6	605.020
Pb	207	1	He	0.024908	37.8	1105.050
Pb	208	1	He	0.034659	4.3	3075.140
Bi	209	1	He	0.002964	160.3	1443.437
Th	232	1	He	0.012341	19.1	840.033
U	238	1	He	0.014616	5.5	1033.377

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.41655488	791966.997
Sc	45	2	H2	70.57215534	4729867.000
Ge	72	1	He	69.87066813	473123.260
Ge	72	2	H2	72.60980099	1317035.417
In	115	1	He	73.27936375	5341621.157
Tb	159	1	He	79.60098481	12889166.060
Ir	193	1	He	77.24387707	6038325.327

Sample Name	10607799015_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	246SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:54:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.553680	7.0	389.670
Be	9	2	H2	0.010382	27.0	10.333
B	11	2	H2	-0.182876		2250.180
Na	23	1	He	652.959639	0.7	993226.910
Mg	24	1	He	4176.782212	0.8	3483312.240
Al	27	1	He	1.830094	2.9	1020.363
Si	28	2	H2	16.320448	5.5	67277.823
K	39	1	He	138.131562	0.6	272734.410
Ca	43	1	He	12347.76879	0.4	47067.113
Ca	44	1	He	12758.33518	0.2	814397.033
Ti	47	1	He	0.029692	9.7	14.667
V	51	1	He	0.011744	353.5	-1266.890
Cr	52	1	He	0.030874	17.6	797.353
Mn	55	1	He	239.460767	0.4	2093978.250
Fe	56	1	He	1584.845540	0.4	16778580.667
Co	59	1	He	0.029517	5.3	577.343
Ni	60	1	He	-0.109350		234.000
Cu	63	1	He	0.041239	11.1	687.350
Zn	66	1	He	0.800675	7.2	1926.777
As	75	1	He	-0.021014		174.667
Se	78	2	H2	0.000841	1087.1	14.667
Sr	88	1	He	26.130094	0.4	416592.833
Mo	95	1	He	0.015305	31.4	120.000
Pd	105	1	He	0.008951	48.3	120.000
Ag	107	1	He	1.014186	81.9	21264.377
Cd	111	1	He	0.000606	0.8	4.963
Sn	118	1	He	0.114613	11.1	1303.397
Sb	121	1	He	0.003828	15.7	128.333
Ba	138	1	He	0.943919	2.2	31544.430
Pt	195	1	He	-0.000302		73.333
Hg	202	1	He	0.004914	178.5	96.667
Tl	205	1	He	-0.010423		176.667
Pb	206	1	He	0.008932	39.7	218.337
Pb	207	1	He	-0.002251		795.027
Pb	208	1	He	0.004753	19.8	1370.040
Bi	209	1	He	-0.002508		1233.407
Th	232	1	He	0.001773	69.3	168.333
U	238	1	He	0.000480	43.8	108.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.72953148	828198.603
Sc	45	2	H2	76.26918439	5111691.667
Ge	72	1	He	74.76567242	506269.363
Ge	72	2	H2	77.25275681	1401251.833
In	115	1	He	79.08178108	5764582.187
Tb	159	1	He	82.39550850	13341661.467
Ir	193	1	He	81.67797563	6384948.653

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	247_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:58:08
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	-0.055206		32.667
Be	9	2	H2	-0.003607		5.167
B	11	2	H2	-1.050024		3063.653
Na	23	1	He	-3.891166		22352.057
Mg	24	1	He	-1.329282		4567.550
Al	27	1	He	0.642833	71.6	1380.127
Si	28	2	H2	11.242327	46.0	83031.480
K	39	1	He	-55.541613		91635.260
Ca	43	1	He	3.572044	100.8	59.027
Ca	44	1	He	3.793184	107.7	1032.463
Ti	47	1	He	0.360029	155.4	515.923
V	51	1	He	0.136954	10.1	-201.710
Cr	52	1	He	-0.030146		251.333
Mn	55	1	He	0.005300	621.5	2222.840
Fe	56	1	He	-0.232104		31168.473
Co	59	1	He	-0.004255		26.667
Ni	60	1	He	-0.153182		152.667
Cu	63	1	He	-0.012199		292.670
Zn	66	1	He	-0.067305		90.667
As	75	1	He	-0.101438		92.333
Se	78	2	H2	-0.005587		15.667
Sr	88	1	He	0.001823	442.1	578.363
Mo	95	1	He	-0.000968		33.333
Pd	105	1	He	0.003322	60.6	176.673
Ag	107	1	He	0.076973	161.9	5462.533
Cd	111	1	He	-0.000214		4.993
Sn	118	1	He	0.009888	9.6	726.697
Sb	121	1	He	-0.000205		208.333
Ba	138	1	He	0.004669	160.8	740.260
Pt	195	1	He	0.001386	110.3	273.343
Hg	202	1	He	0.021935	47.9	573.357
Tl	205	1	He	-0.011925		305.007
Pb	206	1	He	-0.002251		125.000
Pb	207	1	He	-0.033364		1111.733
Pb	208	1	He	-0.008845		1506.737
Bi	209	1	He	-0.015208		1846.867
Th	232	1	He	0.011190	100.0	2670.363
U	238	1	He	-0.000086		205.003

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	230.2237990	2517789.627
Sc	45	2	H2	132.8244103	8902120.000
Ge	72	1	He	232.8134081	1576476.103
Ge	72	2	H2	137.9102235	2501489.417
In	115	1	He	235.2753676	17150147.287
Tb	159	1	He	247.4104962	40061250.237
Ir	193	1	He	252.6358068	19749101.787

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	248_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:01:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.021079	32.0	65.667
Be	9	2	H2	0.011233	18.9	10.833
B	11	2	H2	-0.611623		2033.480
Na	23	1	He	7.301065	3.2	24349.420
Mg	24	1	He	-2.116884		953.367
Al	27	1	He	0.887072	4.5	588.010
Si	28	2	H2	0.638042	206.5	11963.193
K	39	1	He	19.863936	13.3	124526.227
Ca	43	1	He	1.524307	74.9	13.910
Ca	44	1	He	0.763200	106.4	189.813
Ti	47	1	He	0.010290	24.9	6.667
V	51	1	He	0.044258	259.3	-957.007
Cr	52	1	He	-0.005571		372.007
Mn	55	1	He	-0.022331		537.360
Fe	56	1	He	0.155814	14.6	14960.867
Co	59	1	He	-0.001377		57.333
Ni	60	1	He	-0.141582		100.000
Cu	63	1	He	-0.000716		239.333
Zn	66	1	He	0.011004	101.2	198.667
As	75	1	He	-0.006024		198.833
Se	78	2	H2	0.008654	69.6	22.000
Sr	88	1	He	0.002217	136.2	220.003
Mo	95	1	He	0.004816	56.1	50.000
Pd	105	1	He	0.004041	84.9	70.000
Ag	107	1	He	0.872412	77.0	18492.610
Cd	111	1	He	0.001877	179.8	9.983
Sn	118	1	He	0.023930	28.9	383.343
Sb	121	1	He	0.009229	21.5	198.333
Ba	138	1	He	0.002834	60.8	225.003
Pt	195	1	He	0.006502	74.3	156.670
Hg	202	1	He	0.013933	107.0	150.003
Tl	205	1	He	-0.009371		221.667
Pb	206	1	He	0.000431	251.1	86.667
Pb	207	1	He	0.000988	574.8	830.030
Pb	208	1	He	0.000949	117.8	1130.030
Bi	209	1	He	-0.003677		1170.067
Th	232	1	He	0.003539	72.2	290.003
U	238	1	He	0.001863	67.5	205.003

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.89645525	819087.857
Sc	45	2	H2	76.75493241	5144247.333
Ge	72	1	He	73.77202725	499540.980
Ge	72	2	H2	78.09704366	1416565.960
In	115	1	He	78.58633707	5728467.323
Tb	159	1	He	81.60222114	13213210.637
Ir	193	1	He	81.50563180	6371476.153

Sample Name	10607799016_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	249SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:05:17
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	10.611330	4.4	6596.823
Be	9	2	H2	0.006837	89.5	8.500
B	11	2	H2	17.474810	6.4	12040.777
Na	23	1	He	7279.072223	0.7	11095303.167
Mg	24	1	He	20214.95806	0.5	17097498.497
Al	27	1	He	9.104261	2.3	4366.853
Si	28	2	H2	7172.860708	6.3	25656580.667
K	39	1	He	844.328130	0.2	1166163.447
Ca	43	1	He	45625.67425	0.3	176464.470
Ca	44	1	He	46895.30309	0.9	3037310.407
Ti	47	1	He	0.183384	18.3	78.667
V	51	1	He	0.398188	22.2	2512.717
Cr	52	1	He	0.597016	1.3	7456.887
Mn	55	1	He	0.941650	1.6	9100.990
Fe	56	1	He	15.636717	1.3	181535.380
Co	59	1	He	0.320305	1.4	5475.513
Ni	60	1	He	0.095751	10.5	1080.037
Cu	63	1	He	0.286581	0.5	3294.980
Zn	66	1	He	2.600486	1.2	5870.980
As	75	1	He	0.606986	2.1	1301.383
Se	78	2	H2	0.577622	2.3	541.010
Sr	88	1	He	146.538282	0.2	2314529.237
Mo	95	1	He	0.157339	7.4	1063.377
Pd	105	1	He	0.024279	21.2	273.343
Ag	107	1	He	1.189990	81.8	24712.987
Cd	111	1	He	0.032753	26.5	128.017
Sn	118	1	He	0.050906	21.0	651.690
Sb	121	1	He	0.157099	0.4	2135.157
Ba	138	1	He	9.190436	1.1	305871.863
Pt	195	1	He	0.003227	145.7	116.667
Hg	202	1	He	0.004936	20.7	96.667
Tl	205	1	He	-0.009389		223.333
Pb	206	1	He	0.042917	11.8	740.027
Pb	207	1	He	0.034598	26.1	1266.733
Pb	208	1	He	0.041588	7.0	3600.190
Bi	209	1	He	-0.003215		1200.067
Th	232	1	He	0.005244	17.1	398.343
U	238	1	He	0.261622	2.4	18012.127

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.85017987	840454.317
Sc	45	2	H2	77.22057253	5175455.333
Ge	72	1	He	74.90882468	507238.707
Ge	72	2	H2	77.72207310	1409764.543
In	115	1	He	78.37492653	5713056.777
Tb	159	1	He	82.36569480	13336833.967
Ir	193	1	He	80.44310604	6288416.157

Sample Name	10607799016_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	250SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:08:51
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.525526	3.6	382.333
Be	9	2	H2	0.006408	34.3	8.500
B	11	2	H2	-0.090273		2363.517
Na	23	1	He	378.398350	4.7	586881.307
Mg	24	1	He	1047.767392	4.8	884152.380
Al	27	1	He	1.853404	10.6	1039.697
Si	28	2	H2	365.114288	6.1	1332299.087
K	39	1	He	69.424572	11.1	189227.803
Ca	43	1	He	2343.798224	4.6	9026.117
Ca	44	1	He	2419.315874	5.3	155993.000
Ti	47	1	He	0.027732	5.0	14.000
V	51	1	He	0.038903	145.0	-1026.197
Cr	52	1	He	0.060336	9.9	1148.707
Mn	55	1	He	0.011041	46.9	841.353
Fe	56	1	He	1.409741	8.2	28666.673
Co	59	1	He	0.015108	22.4	335.337
Ni	60	1	He	-0.124987		170.000
Cu	63	1	He	0.064091	6.8	930.030
Zn	66	1	He	0.218739	6.5	655.343
As	75	1	He	0.029702	40.7	266.333
Se	78	2	H2	0.021446	29.0	34.333
Sr	88	1	He	7.255472	4.1	114962.833
Mo	95	1	He	0.008975	24.1	78.333
Pd	105	1	He	0.003041	80.6	60.000
Ag	107	1	He	1.019086	81.2	21578.653
Cd	111	1	He	0.005470	54.7	23.310
Sn	118	1	He	0.107921	10.5	1225.053
Sb	121	1	He	0.009354	10.7	200.000
Ba	138	1	He	0.483364	5.2	15867.553
Pt	195	1	He	-0.000958		63.333
Hg	202	1	He	0.005318	49.2	96.667
Tl	205	1	He	-0.011569		123.333
Pb	206	1	He	0.007793	2.2	196.667
Pb	207	1	He	-0.004243		751.693
Pb	208	1	He	0.004842	43.8	1345.037
Bi	209	1	He	-0.003814		1146.733
Th	232	1	He	0.001447	24.3	143.333
U	238	1	He	0.013160	7.4	968.373

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.54273897	837092.060
Sc	45	2	H2	78.29395099	5247395.000
Ge	72	1	He	74.89078069	507116.523
Ge	72	2	H2	79.58317067	1443522.127
In	115	1	He	78.57886434	5727922.607
Tb	159	1	He	80.73187771	13072282.720
Ir	193	1	He	79.81490444	6239308.243

Sample Name	10607799017_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	251SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:12:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.339772	4.1	3520.500
Be	9	2	H2	0.010497	59.6	9.333
B	11	2	H2	14.637706	4.8	9292.517
Na	23	1	He	9489.236893	1.4	13586438.550
Mg	24	1	He	85205.41052	1.4	67703298.993
Al	27	1	He	9.555677	3.3	4297.180
Si	28	2	H2	6068.995579	6.2	19285558.000
K	39	1	He	2568.454471	1.9	3135788.077
Ca	43	1	He	238360.9187	1.0	866189.203
Ca	44	1	He	242101.9775	1.4	14732586.877
Ti	47	1	He	0.417754	6.5	165.333
V	51	1	He	2.703714	2.4	23636.133
Cr	52	1	He	0.953723	0.6	10942.657
Mn	55	1	He	2233.093119	0.9	18613777.333
Fe	56	1	He	1008.636132	2.0	10185927.333
Co	59	1	He	2.653884	0.2	41531.560
Ni	60	1	He	69.773329	0.6	267409.283
Cu	63	1	He	0.309773	3.9	3284.980
Zn	66	1	He	56.794134	0.8	115507.077
As	75	1	He	14.805116	0.3	24826.857
Se	78	2	H2	79.505233	1.1	65324.597
Sr	88	1	He	422.502588	0.5	6210910.533
Mo	95	1	He	0.971770	7.1	5999.413
Pd	105	1	He	0.065692	14.3	643.360
Ag	107	1	He	0.164916	24.2	3762.133
Cd	111	1	He	0.163690	12.2	584.883
Sn	118	1	He	0.051220	11.1	610.017
Sb	121	1	He	0.300881	5.2	3740.440
Ba	138	1	He	37.185660	0.7	1172183.030
Pt	195	1	He	0.010541	39.3	196.673
Hg	202	1	He	0.004081	185.9	86.667
Tl	205	1	He	0.014025	12.7	1215.057
Pb	206	1	He	0.029437	33.8	505.017
Pb	207	1	He	0.018218	28.6	1001.710
Pb	208	1	He	0.027103	17.3	2580.107
Bi	209	1	He	0.004178	119.1	1470.103
Th	232	1	He	0.009195	15.1	628.353
U	238	1	He	1.548708	1.4	100691.627

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.21295712	789740.397
Sc	45	2	H2	68.57891086	4596276.333
Ge	72	1	He	69.48031346	470480.007
Ge	72	2	H2	69.97098773	1269171.210
In	115	1	He	72.94676361	5317376.623
Tb	159	1	He	78.03900004	12636246.060
Ir	193	1	He	76.22321930	5958538.243

Sample Name	10607799017_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	252SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:16:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.331794	4.1	252.667
Be	9	2	H2	0.004697	37.9	7.333
B	11	2	H2	-0.057250		2310.193
Na	23	1	He	478.807465	0.9	724623.400
Mg	24	1	He	4327.650225	1.7	3572812.237
Al	27	1	He	1.739891	7.1	969.030
Si	28	2	H2	306.247496	6.5	1082784.980
K	39	1	He	147.483745	2.6	281457.603
Ca	43	1	He	11754.60125	1.8	44357.490
Ca	44	1	He	12133.75946	1.2	766762.047
Ti	47	1	He	0.028539	33.0	14.000
V	51	1	He	0.031677	377.3	-1080.170
Cr	52	1	He	0.057956	9.0	1100.040
Mn	55	1	He	111.720737	2.0	967614.333
Fe	56	1	He	51.378236	1.7	551452.353
Co	59	1	He	0.123370	4.7	2144.137
Ni	60	1	He	3.437152	1.2	14744.710
Cu	63	1	He	0.012843	29.4	384.673
Zn	66	1	He	2.916985	4.1	6513.877
As	75	1	He	0.715661	3.7	1485.397
Se	78	2	H2	3.413646	2.9	3097.940
Sr	88	1	He	19.920705	0.6	313969.880
Mo	95	1	He	0.038277	28.0	270.003
Pd	105	1	He	0.005052	118.4	80.000
Ag	107	1	He	2.304411	86.7	46607.827
Cd	111	1	He	0.012909	63.0	51.587
Sn	118	1	He	0.102413	6.4	1166.720
Sb	121	1	He	0.014402	15.8	265.003
Ba	138	1	He	1.851792	1.1	61428.000
Pt	195	1	He	0.002183	59.6	103.333
Hg	202	1	He	0.002341	74.2	80.000
Tl	205	1	He	-0.010027		193.333
Pb	206	1	He	0.001506	96.1	103.333
Pb	207	1	He	-0.006041		741.690
Pb	208	1	He	0.000408	293.9	1100.027
Bi	209	1	He	-0.002656		1220.067
Th	232	1	He	0.000782	42.4	100.000
U	238	1	He	0.072270	3.4	5054.200

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.97551938	819952.523
Sc	45	2	H2	75.70201748	5073679.167
Ge	72	1	He	74.35477748	503487.023
Ge	72	2	H2	76.94248515	1395623.960
In	115	1	He	78.16162995	5697508.750
Tb	159	1	He	81.94433247	13268606.053
Ir	193	1	He	80.86040582	6321037.407

Sample Name	10607799018_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	253SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:19:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.116879	3.0	2837.217
Be	9	2	H2	0.031279	31.1	19.000
B	11	2	H2	91.935645	5.3	47053.083
Na	23	1	He	11078.19091	0.8	15717105.183
Mg	24	1	He	132658.0151	1.6	104460918.443
Al	27	1	He	65.549295	1.7	28138.237
Si	28	2	H2	5179.776039	5.9	16392132.000
K	39	1	He	2260.720069	1.0	2746879.437
Ca	43	1	He	276608.4692	1.1	996134.833
Ca	44	1	He	281106.8489	2.0	16952461.750
Ti	47	1	He	0.193905	9.7	77.333
V	51	1	He	11.799404	2.3	106623.387
Cr	52	1	He	1.416309	1.2	15900.980
Mn	55	1	He	947.384893	1.5	7826196.333
Fe	56	1	He	4454.064572	1.8	44534664.000
Co	59	1	He	9.329587	1.3	143450.433
Ni	60	1	He	585.166059	2.4	2201570.333
Cu	63	1	He	1.311431	1.3	12941.337
Zn	66	1	He	4007.019856	2.4	8005633.000
As	75	1	He	2.773516	1.7	4733.130
Se	78	2	H2	512.173416	1.8	420244.540
Sr	88	1	He	537.997227	0.5	7771749.677
Mo	95	1	He	1.266571	2.4	7688.440
Pd	105	1	He	0.082093	9.4	783.373
Ag	107	1	He	1.224086	82.9	23106.507
Cd	111	1	He	2.160294	3.8	7557.750
Sn	118	1	He	0.071079	8.8	781.690
Sb	121	1	He	0.374853	1.4	4562.320
Ba	138	1	He	34.756160	0.9	1093421.703
Pt	195	1	He	0.008591	20.5	173.337
Hg	202	1	He	0.010340	50.1	123.333
Tl	205	1	He	1.403446	1.9	60636.090
Pb	206	1	He	0.055993	15.1	890.037
Pb	207	1	He	0.039125	27.1	1253.393
Pb	208	1	He	0.051647	9.2	3981.893
Bi	209	1	He	0.001930	278.9	1366.760
Th	232	1	He	0.008427	19.2	570.017
U	238	1	He	0.430769	2.6	27567.817

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.56021690	782601.853
Sc	45	2	H2	68.31011739	4578261.333
Ge	72	1	He	68.35981198	462892.627
Ge	72	2	H2	69.89283441	1267753.623
In	115	1	He	71.68457812	5225370.957
Tb	159	1	He	77.88264408	12610928.560
Ir	193	1	He	74.89335911	5854580.120

Sample Name	10607799018_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	254SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:23:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.260930	6.2	212.167
Be	9	2	H2	0.000682	394.3	5.333
B	11	2	H2	4.759114	12.7	4967.430
Na	23	1	He	567.657329	1.0	877330.690
Mg	24	1	He	6799.363403	0.1	5748071.790
Al	27	1	He	4.523598	2.0	2267.480
Si	28	2	H2	280.395919	6.2	1002708.730
K	39	1	He	130.165351	0.4	266523.237
Ca	43	1	He	13838.06372	0.2	53484.863
Ca	44	1	He	14354.50218	0.6	929094.943
Ti	47	1	He	0.014702	49.3	8.667
V	51	1	He	0.448865	19.6	3008.313
Cr	52	1	He	0.114158	4.1	1785.427
Mn	55	1	He	48.039152	0.5	426566.593
Fe	56	1	He	232.266771	0.7	2505131.667
Co	59	1	He	0.474003	1.4	8094.493
Ni	60	1	He	30.046389	1.5	125006.250
Cu	63	1	He	0.096140	2.9	1276.717
Zn	66	1	He	206.345986	1.5	453677.010
As	75	1	He	0.150860	10.1	485.010
Se	78	2	H2	22.752564	0.8	20671.653
Sr	88	1	He	25.621752	0.8	411729.577
Mo	95	1	He	0.057215	3.6	400.010
Pd	105	1	He	0.002667	104.7	56.667
Ag	107	1	He	1.042254	85.3	21964.737
Cd	111	1	He	0.105536	10.0	413.223
Sn	118	1	He	0.095453	10.5	1118.380
Sb	121	1	He	0.022267	11.8	375.010
Ba	138	1	He	1.799402	0.2	60705.390
Pt	195	1	He	0.005515	86.1	146.670
Hg	202	1	He	0.004711	133.6	96.667
Tl	205	1	He	0.062689	3.2	3525.420
Pb	206	1	He	0.007380	37.5	196.667
Pb	207	1	He	0.003315	72.9	876.700
Pb	208	1	He	0.006771	13.9	1510.043
Bi	209	1	He	-0.000602		1340.087
Th	232	1	He	0.001143	77.1	126.667
U	238	1	He	0.020457	0.8	1516.760

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.78856106	839780.437
Sc	45	2	H2	76.53365339	5129416.833
Ge	72	1	He	75.18967294	509140.447
Ge	72	2	H2	77.34102873	1402852.957
In	115	1	He	79.70549891	5810047.433
Tb	159	1	He	83.34444678	13495315.633
Ir	193	1	He	82.63268393	6459580.320

Sample Name	10607799019_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	255SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:26:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.506043	3.1	3122.427
Be	9	2	H2	0.014003	36.5	11.167
B	11	2	H2	21.232908	7.9	12777.997
Na	23	1	He	11531.62335	1.0	16926414.750
Mg	24	1	He	63819.12440	1.8	51993387.557
Al	27	1	He	15.872012	1.7	7194.070
Si	28	2	H2	6053.320923	5.9	19616680.667
K	39	1	He	3012.778177	0.8	3754587.757
Ca	43	1	He	226930.1856	1.0	845539.820
Ca	44	1	He	229293.7335	1.2	14306795.703
Ti	47	1	He	0.202368	21.6	83.333
V	51	1	He	0.617781	9.3	4493.643
Cr	52	1	He	0.447347	2.6	5491.517
Mn	55	1	He	842.410845	1.5	7199847.167
Fe	56	1	He	169.747234	1.5	1768667.457
Co	59	1	He	1.329721	1.0	21378.643
Ni	60	1	He	131.917689	0.7	517898.770
Cu	63	1	He	0.514663	2.2	5438.843
Zn	66	1	He	445.460660	1.4	927888.960
As	75	1	He	1.092117	3.0	2065.620
Se	78	2	H2	180.823269	1.3	151603.453
Sr	88	1	He	507.040649	0.9	7633744.470
Mo	95	1	He	0.729481	0.3	4623.983
Pd	105	1	He	0.080457	14.4	800.033
Ag	107	1	He	1.393198	79.5	27493.700
Cd	111	1	He	1.234939	1.3	4504.250
Sn	118	1	He	0.100117	15.4	1093.380
Sb	121	1	He	0.226256	5.1	2898.607
Ba	138	1	He	31.565853	0.6	1026372.067
Pt	195	1	He	0.006446	92.4	153.337
Hg	202	1	He	0.006358	80.5	103.333
Tl	205	1	He	0.796832	3.3	35856.857
Pb	206	1	He	0.032803	4.3	571.687
Pb	207	1	He	0.031425	27.4	1198.390
Pb	208	1	He	0.031503	8.7	2921.797
Bi	209	1	He	0.002939	118.6	1460.097
Th	232	1	He	0.005066	27.8	376.677
U	238	1	He	2.170893	2.2	145022.300

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.04340663	809758.687
Sc	45	2	H2	69.92164728	4686268.833
Ge	72	1	He	71.25788591	482516.687
Ge	72	2	H2	71.40326051	1295150.540
In	115	1	He	74.71374258	5446178.673
Tb	159	1	He	80.49357141	13033695.640
Ir	193	1	He	78.32364045	6122732.827

Sample Name	10607799019_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	256SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:30:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.289060	4.1	231.167
Be	9	2	H2	0.002160	215.8	6.167
B	11	2	H2	-0.054044		2350.193
Na	23	1	He	590.950563	1.5	897425.300
Mg	24	1	He	3281.455005	2.7	2728645.377
Al	27	1	He	2.128529	4.0	1151.373
Si	28	2	H2	325.700148	6.4	1172647.080
K	39	1	He	175.146011	1.7	317689.037
Ca	43	1	He	11415.14824	1.0	43378.863
Ca	44	1	He	11742.28123	1.4	747240.070
Ti	47	1	He	0.031365	58.3	15.333
V	51	1	He	0.015323	103.3	-1228.147
Cr	52	1	He	0.053381	13.7	1054.703
Mn	55	1	He	42.758158	1.6	373349.230
Fe	56	1	He	9.150508	1.6	109939.123
Co	59	1	He	0.067338	5.8	1211.380
Ni	60	1	He	6.695066	0.2	28190.017
Cu	63	1	He	0.039680	14.0	670.013
Zn	66	1	He	23.466696	0.8	51389.227
As	75	1	He	0.071443	17.3	339.667
Se	78	2	H2	8.437873	0.4	7760.030
Sr	88	1	He	24.703837	0.1	391231.870
Mo	95	1	He	0.030172	22.6	218.337
Pd	105	1	He	0.005058	51.3	80.000
Ag	107	1	He	1.340070	83.9	27680.337
Cd	111	1	He	0.063637	11.6	246.603
Sn	118	1	He	0.107199	10.2	1220.060
Sb	121	1	He	0.008340	27.3	186.667
Ba	138	1	He	1.586231	1.8	52536.637
Pt	195	1	He	0.001376	180.2	93.333
Hg	202	1	He	0.013097	37.2	146.670
Tl	205	1	He	0.030020	8.1	1991.813
Pb	206	1	He	0.006959	36.2	186.667
Pb	207	1	He	-0.004027		766.693
Pb	208	1	He	0.004775	10.4	1361.703
Bi	209	1	He	-0.001556		1270.073
Th	232	1	He	0.000558	114.1	85.000
U	238	1	He	0.101637	3.9	7101.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.49964872	825684.543
Sc	45	2	H2	77.17207333	5172204.833
Ge	72	1	He	74.66212586	505568.207
Ge	72	2	H2	78.19782578	1418394.000
In	115	1	He	78.55258580	5726007.060
Tb	159	1	He	81.79575286	13244547.717
Ir	193	1	He	81.09812612	6339620.530

Sample Name	10607799020_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	257SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:33:54
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.090143	2.2	2226.630
Be	9	2	H2	0.009045	85.6	8.333
B	11	2	H2	3.166541	29.6	3590.420
Na	23	1	He	9684.046397	2.2	13408070.633
Mg	24	1	He	61543.56506	2.3	47290524.293
Al	27	1	He	7.887511	3.2	3461.330
Si	28	2	H2	50.953007	5.0	166215.010
K	39	1	He	1621.682866	1.8	1949211.010
Ca	43	1	He	261350.6955	1.8	918447.537
Ca	44	1	He	265644.1973	2.2	15632419.563
Ti	47	1	He	0.164007	42.2	64.000
V	51	1	He	0.095567	83.3	-418.810
Cr	52	1	He	0.535776	2.8	6121.733
Mn	55	1	He	7678.208160	1.9	61890345.333
Fe	56	1	He	34217.50867	2.5	333756650.667
Co	59	1	He	0.169840	5.7	2637.537
Ni	60	1	He	0.294050	5.2	1700.753
Cu	63	1	He	0.144050	6.8	1596.077
Zn	66	1	He	1.947468	3.1	3982.460
As	75	1	He	0.343404	8.5	742.517
Se	78	2	H2	0.130264	6.9	117.667
Sr	88	1	He	819.402368	1.3	11801418.570
Mo	95	1	He	0.158761	7.7	961.703
Pd	105	1	He	0.110929	9.0	1046.717
Ag	107	1	He	1.661360	87.7	31180.940
Cd	111	1	He	0.018393	37.7	66.377
Sn	118	1	He	0.056227	4.4	643.353
Sb	121	1	He	0.098109	8.2	1241.720
Ba	138	1	He	33.821732	1.5	1054388.423
Pt	195	1	He	0.009290	23.2	180.003
Hg	202	1	He	0.003694	96.3	83.333
Tl	205	1	He	-0.002692		493.347
Pb	206	1	He	0.034144	24.0	566.680
Pb	207	1	He	0.022083	61.5	1038.383
Pb	208	1	He	0.032074	2.8	2835.127
Bi	209	1	He	0.003440	162.7	1420.097
Th	232	1	He	0.007006	22.7	483.347
U	238	1	He	0.011460	14.2	805.030

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.84109207	763801.040
Sc	45	2	H2	66.83028859	4479080.667
Ge	72	1	He	67.15803010	454754.863
Ge	72	2	H2	68.76051235	1247214.960
In	115	1	He	71.47684232	5210228.277
Tb	159	1	He	77.18355061	12497729.813
Ir	193	1	He	75.30813774	5887004.287

Sample Name	10607799020_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	258SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:37:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.199955	11.7	166.833
Be	9	2	H2	0.002586	149.7	6.000
B	11	2	H2	-1.051272		1703.450
Na	23	1	He	489.945560	0.7	719432.413
Mg	24	1	He	3179.028960	1.5	2548204.910
Al	27	1	He	2.145902	3.6	1117.370
Si	28	2	H2	2.789503	5.6	18733.253
K	39	1	He	99.309395	3.1	215773.273
Ca	43	1	He	13221.76049	1.0	48428.013
Ca	44	1	He	13660.76146	1.0	837920.953
Ti	47	1	He	0.406872	165.0	163.430
V	51	1	He	0.042402	154.2	-932.170
Cr	52	1	He	0.065752	2.8	1154.040
Mn	55	1	He	401.241134	1.1	3371072.667
Fe	56	1	He	1795.733039	1.4	18266277.333
Co	59	1	He	0.006984	1.9	191.333
Ni	60	1	He	-0.109043		226.667
Cu	63	1	He	0.048214	6.0	733.353
Zn	66	1	He	0.306673	2.6	816.020
As	75	1	He	-0.013985		180.333
Se	78	2	H2	0.005746	159.7	18.333
Sr	88	1	He	39.837058	0.6	620398.490
Mo	95	1	He	0.010231	23.2	83.333
Pd	105	1	He	0.007221	49.2	100.000
Ag	107	1	He	1.180413	80.9	24148.287
Cd	111	1	He	0.002852	27.2	13.310
Sn	118	1	He	0.109537	3.8	1223.393
Sb	121	1	He	0.005995	21.5	153.333
Ba	138	1	He	1.691311	0.9	55340.297
Pt	195	1	He	-0.000999		63.333
Hg	202	1	He	0.003045	110.7	83.333
Tl	205	1	He	-0.009671		206.667
Pb	206	1	He	0.006007	52.9	170.000
Pb	207	1	He	-0.008201		705.023
Pb	208	1	He	0.001713	121.6	1163.367
Bi	209	1	He	-0.004302		1126.737
Th	232	1	He	0.001240	54.8	130.000
U	238	1	He	0.000724	24.9	123.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.77265801	795861.437
Sc	45	2	H2	73.11159094	4900064.333
Ge	72	1	He	72.01684845	487655.937
Ge	72	2	H2	73.71984543	1337169.997
In	115	1	He	77.26044798	5631818.050
Tb	159	1	He	80.82309438	13087052.723
Ir	193	1	He	80.36458019	6282277.617

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	259_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:41:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	75.584116	4.9	45508.040
Be	9	2	H2	75.117539	5.1	38533.627
B	11	2	H2	72.610861	5.4	41459.877
Na	23	1	He	2025.162037	1.3	2920447.870
Mg	24	1	He	1997.356853	1.8	1595252.787
Al	27	1	He	1926.794071	1.2	832369.063
Si	28	2	H2	960.706484	5.9	3358130.667
K	39	1	He	2034.631861	1.6	2513287.410
Ca	43	1	He	1938.392853	0.7	7078.370
Ca	44	1	He	1971.924172	2.1	120555.943
Ti	47	1	He	76.445661	0.9	29935.210
V	51	1	He	80.354578	0.5	743105.917
Cr	52	1	He	81.302500	1.3	900626.667
Mn	55	1	He	82.651924	0.7	692170.400
Fe	56	1	He	1021.342587	1.8	10351024.333
Co	59	1	He	81.210080	0.9	1331621.043
Ni	60	1	He	81.597165	0.3	328169.207
Cu	63	1	He	83.608031	0.9	864974.250
Zn	66	1	He	80.134521	0.8	170999.597
As	75	1	He	77.837952	0.8	136126.947
Se	78	2	H2	77.832882	1.1	70025.240
Sr	88	1	He	74.517116	0.4	1129156.470
Mo	95	1	He	81.392457	0.9	526002.597
Pd	105	1	He	77.324902	1.0	747765.953
Ag	107	1	He	40.071761	5.4	773372.800
Cd	111	1	He	77.004178	0.3	282502.260
Sn	118	1	He	76.558304	0.5	737505.170
Sb	121	1	He	74.016604	0.7	930292.150
Ba	138	1	He	77.724466	0.7	2519094.443
Pt	195	1	He	77.593106	0.9	935901.447
Hg	202	1	He	3.560749	1.9	21721.643
Tl	205	1	He	39.609245	0.8	1745861.693
Pb	206	1	He	79.276719	0.4	1186512.690
Pb	207	1	He	82.666515	0.5	1033798.160
Pb	208	1	He	81.091568	0.8	4787081.853
Bi	209	1	He	83.420757	0.8	3875368.797
Th	232	1	He	77.123921	0.5	5137768.987
U	238	1	He	75.203772	0.9	5124237.633

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.48420835	792706.873
Sc	45	2	H2	75.33642951	5049176.833
Ge	72	1	He	72.94030887	493909.070
Ge	72	2	H2	76.63341223	1390017.830
In	115	1	He	75.18413942	5480467.750
Tb	159	1	He	80.24357222	12993215.223
Ir	193	1	He	79.93923996	6249027.827

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	260_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:44:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.021083	87.3	62.833
Be	9	2	H2	0.022648	32.3	16.167
B	11	2	H2	-0.823643		1840.133
Na	23	1	He	5.301265	9.0	20821.813
Mg	24	1	He	-2.100578		943.370
Al	27	1	He	0.991836	8.2	618.343
Si	28	2	H2	-0.064629		9143.723
K	39	1	He	27.564652	1.9	130472.347
Ca	43	1	He	1.883335	38.6	14.817
Ca	44	1	He	2.001998	43.1	261.630
Ti	47	1	He	0.000583	1001.7	2.667
V	51	1	He	0.007373	406.1	-1261.920
Cr	52	1	He	0.000078	7761.9	424.677
Mn	55	1	He	0.023602	29.4	908.693
Fe	56	1	He	0.410606	2.6	17162.143
Co	59	1	He	0.001711	82.5	106.000
Ni	60	1	He	-0.137141		115.333
Cu	63	1	He	0.006821	15.1	310.667
Zn	66	1	He	0.024812	26.1	222.667
As	75	1	He	-0.002462		200.167
Se	78	2	H2	0.022115	35.2	33.000
Sr	88	1	He	0.008800	21.7	315.010
Mo	95	1	He	0.032157	31.6	223.337
Pd	105	1	He	0.010748	70.3	133.337
Ag	107	1	He	1.316051	67.7	26447.067
Cd	111	1	He	0.005097	83.5	21.600
Sn	118	1	He	0.016457	37.4	298.337
Sb	121	1	He	0.012413	43.0	233.337
Ba	138	1	He	0.005953	17.8	316.677
Pt	195	1	He	0.005848	9.0	143.333
Hg	202	1	He	0.017282	39.7	166.670
Tl	205	1	He	0.043812	23.8	2525.233
Pb	206	1	He	0.006140	26.8	168.333
Pb	207	1	He	-0.001693		770.023
Pb	208	1	He	0.003490	49.3	1241.700
Bi	209	1	He	0.004696	49.3	1513.433
Th	232	1	He	0.010089	12.4	711.690
U	238	1	He	0.005794	13.3	463.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.91272709	797393.270
Sc	45	2	H2	73.60107159	4932870.167
Ge	72	1	He	72.02472814	487709.293
Ge	72	2	H2	74.86664900	1357971.333
In	115	1	He	76.38564968	5568050.560
Tb	159	1	He	79.05893434	12801396.060
Ir	193	1	He	79.14487737	6186930.740

Sample Name	4322449_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	261SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:48:15
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.036379	25.0	72.000
Be	9	2	H2	0.035855	28.2	22.667
B	11	2	H2	-0.724053		1883.467
Na	23	1	He	12.683108	1.6	31783.967
Mg	24	1	He	1.299545	13.7	3707.077
Al	27	1	He	5.565869	2.1	2630.527
Si	28	2	H2	2.051031	32.6	16367.923
K	39	1	He	25.066709	5.5	128708.393
Ca	43	1	He	12.399128	16.7	53.877
Ca	44	1	He	13.133691	26.5	953.980
Ti	47	1	He	0.097836	20.0	41.333
V	51	1	He	0.093500	8.5	-462.097
Cr	52	1	He	0.271308	3.0	3479.013
Mn	55	1	He	0.102039	6.3	1583.410
Fe	56	1	He	3.662691	1.5	50767.523
Co	59	1	He	0.021298	8.1	425.343
Ni	60	1	He	-0.103656		249.333
Cu	63	1	He	0.058412	2.2	842.020
Zn	66	1	He	0.859865	5.0	1990.783
As	75	1	He	-0.010081		188.000
Se	78	2	H2	0.009719	129.0	22.000
Sr	88	1	He	0.039462	9.5	795.027
Mo	95	1	He	0.023950	28.5	171.667
Pd	105	1	He	0.002212	199.4	50.000
Ag	107	1	He	1.163466	79.4	23691.997
Cd	111	1	He	0.020167	32.4	78.283
Sn	118	1	He	0.040025	20.4	535.017
Sb	121	1	He	0.003792	77.6	125.000
Ba	138	1	He	0.042224	10.6	1481.747
Pt	195	1	He	0.006338	71.9	150.003
Hg	202	1	He	0.009995	56.2	123.333
Tl	205	1	He	0.013141	10.1	1196.723
Pb	206	1	He	0.028856	5.6	505.010
Pb	207	1	He	0.027595	39.8	1135.057
Pb	208	1	He	0.027289	5.7	2635.110
Bi	209	1	He	0.021782	22.8	2303.557
Th	232	1	He	0.014297	9.0	995.043
U	238	1	He	0.005657	7.4	456.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	73.61165522	805036.937
Sc	45	2	H2	73.48112042	4924830.833
Ge	72	1	He	72.40165234	490261.603
Ge	72	2	H2	74.71588563	1355236.707
In	115	1	He	77.14015868	5623049.690
Tb	159	1	He	79.36893920	12851592.727
Ir	193	1	He	79.60846384	6223170.323

Sample Name	4322450_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	262SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:51:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	102.181140	5.0	59225.033
Be	9	2	H2	102.642211	4.6	50698.337
B	11	2	H2	100.526328	5.2	54402.873
Na	23	1	He	2169.002614	1.4	3133328.390
Mg	24	1	He	2144.697105	1.2	1716417.317
Al	27	1	He	2096.537419	0.5	907547.083
Si	28	2	H2	521.181774	4.3	1757903.750
K	39	1	He	2224.486349	1.3	2744398.813
Ca	43	1	He	2118.953813	1.2	7751.720
Ca	44	1	He	2115.933555	0.4	129635.067
Ti	47	1	He	101.480427	1.2	39817.923
V	51	1	He	108.664392	0.7	1007334.490
Cr	52	1	He	109.497950	0.2	1215333.083
Mn	55	1	He	108.920118	0.5	913723.750
Fe	56	1	He	2192.864350	0.9	22257122.000
Co	59	1	He	110.924190	1.3	1820254.623
Ni	60	1	He	110.186191	0.5	443218.147
Cu	63	1	He	110.963213	0.3	1148785.750
Zn	66	1	He	108.430983	0.8	231498.803
As	75	1	He	105.229277	0.2	184101.540
Se	78	2	H2	103.332283	1.0	89949.770
Sr	88	1	He	101.862912	0.3	1539604.610
Mo	95	1	He	107.498731	0.6	695249.753
Pd	105	1	He	20.573300	0.7	198478.220
Ag	107	1	He	48.406325	4.8	931132.877
Cd	111	1	He	103.098344	1.0	377270.707
Sn	118	1	He	100.885609	0.6	969427.277
Sb	121	1	He	99.207840	0.2	1243713.680
Ba	138	1	He	106.704807	0.4	3384126.300
Pt	195	1	He	20.674688	0.3	244063.463
Hg	202	1	He	0.026413	10.9	220.010
Tl	205	1	He	109.479731	1.1	4721276.803
Pb	206	1	He	110.330320	0.6	1615831.747
Pb	207	1	He	109.475953	0.6	1339435.867
Pb	208	1	He	109.816747	0.4	6343779.333
Bi	209	1	He	112.076529	0.4	5094750.130
Th	232	1	He	109.510919	1.1	7085948.437
U	238	1	He	103.695908	0.9	6862997.813

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.61970580	794188.710
Sc	45	2	H2	72.51455560	4860050.000
Ge	72	1	He	72.98799856	494231.997
Ge	72	2	H2	74.14230495	1344832.793
In	115	1	He	74.99625054	5466771.790
Tb	159	1	He	78.51863884	12713910.227
Ir	193	1	He	77.64215099	6069459.283

Sample Name	10607799001_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	263SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:55:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.955708	8.0	1810.590
Be	9	2	H2	0.039027	17.4	24.667
B	11	2	H2	7.282744	11.4	6181.147
Na	23	1	He	5835.288468	1.7	8459059.873
Mg	24	1	He	6865.050954	2.0	5521981.377
Al	27	1	He	35.583938	1.4	15682.640
Si	28	2	H2	6537.838284	7.8	22557130.000
K	39	1	He	542.285741	0.7	747096.500
Ca	43	1	He	47701.08452	1.2	175407.710
Ca	44	1	He	48566.17738	2.0	2990558.060
Ti	47	1	He	0.553408	40.9	221.343
V	51	1	He	0.483763	10.0	3188.307
Cr	52	1	He	3.192400	1.6	36062.340
Mn	55	1	He	9.470946	1.7	80587.333
Fe	56	1	He	43.019207	1.5	452071.020
Co	59	1	He	0.047521	1.4	841.353
Ni	60	1	He	-0.013235		602.010
Cu	63	1	He	0.134445	1.5	1602.077
Zn	66	1	He	0.916263	2.3	2083.460
As	75	1	He	0.319125	5.1	748.853
Se	78	2	H2	0.303497	3.3	279.000
Sr	88	1	He	95.223939	1.6	1468920.657
Mo	95	1	He	0.726458	4.9	4617.317
Pd	105	1	He	0.012066	57.8	146.670
Ag	107	1	He	2.612760	75.2	52109.033
Cd	111	1	He	0.016351	0.5	63.613
Sn	118	1	He	0.094713	13.9	1066.707
Sb	121	1	He	0.041271	17.8	603.347
Ba	138	1	He	1.982852	1.0	64062.487
Pt	195	1	He	0.009346	86.3	186.670
Hg	202	1	He	0.003801	136.2	86.667
Tl	205	1	He	0.035365	1.0	2178.503
Pb	206	1	He	0.053684	15.5	878.367
Pb	207	1	He	0.047983	1.2	1395.077
Pb	208	1	He	0.052804	2.9	4150.240
Bi	209	1	He	0.009798	38.7	1763.467
Th	232	1	He	0.037238	7.8	2470.227
U	238	1	He	0.589348	1.8	39296.103

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	73.07026679	799116.167
Sc	45	2	H2	74.55506834	4996808.667
Ge	72	1	He	71.48421922	484049.283
Ge	72	2	H2	74.54476983	1352132.917
In	115	1	He	76.54527370	5579686.183
Tb	159	1	He	79.83748984	12927461.473
Ir	193	1	He	78.08727929	6104255.950

Sample Name	4323801_B70203Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	264SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:58:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.642798	5.3	428.007
Be	9	2	H2	0.016456	15.4	13.000
B	11	2	H2	0.901133	35.1	2743.583
Na	23	1	He	1191.865085	1.8	1749984.190
Mg	24	1	He	1390.846792	1.8	1128409.020
Al	27	1	He	8.408967	4.0	3874.413
Si	28	2	H2	1369.322685	5.4	4673089.167
K	39	1	He	127.368568	2.9	251932.717
Ca	43	1	He	9682.675868	1.9	35850.677
Ca	44	1	He	9956.765944	1.3	617386.250
Ti	47	1	He	0.076014	45.1	32.667
V	51	1	He	0.080441	25.8	-582.937
Cr	52	1	He	0.652421	3.0	7760.350
Mn	55	1	He	1.906547	0.9	16905.240
Fe	56	1	He	9.272679	1.8	108373.023
Co	59	1	He	0.007584	17.5	202.667
Ni	60	1	He	-0.116381		199.333
Cu	63	1	He	0.030236	6.6	554.677
Zn	66	1	He	0.250115	10.3	702.683
As	75	1	He	0.052665	19.9	297.833
Se	78	2	H2	0.056125	24.3	62.333
Sr	88	1	He	18.833021	0.7	293311.637
Mo	95	1	He	0.146771	8.5	963.373
Pd	105	1	He	0.006546	78.9	93.333
Ag	107	1	He	1.331777	76.1	27156.923
Cd	111	1	He	0.001882	184.4	9.710
Sn	118	1	He	0.103056	8.4	1158.387
Sb	121	1	He	0.005990	14.5	153.333
Ba	138	1	He	0.395325	2.1	12849.993
Pt	195	1	He	0.001004	260.5	86.667
Hg	202	1	He	0.008280	78.4	113.333
Tl	205	1	He	-0.002021		538.343
Pb	206	1	He	0.007867	21.0	195.000
Pb	207	1	He	0.004239	203.1	848.367
Pb	208	1	He	0.008717	12.4	1556.717
Bi	209	1	He	-0.000873		1266.743
Th	232	1	He	0.009604	19.0	676.690
U	238	1	He	0.119395	2.3	8083.817

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	73.56694345	804547.957
Sc	45	2	H2	73.58579047	4931846.000
Ge	72	1	He	72.64269995	491893.837
Ge	72	2	H2	74.46683024	1350719.207
In	115	1	He	77.24154782	5630440.343
Tb	159	1	He	79.66658471	12899788.140
Ir	193	1	He	78.72781481	6154328.033

Sample Name	4322451_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	265SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:02:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	92.842312	4.6	53593.873
Be	9	2	H2	91.862916	4.6	45186.710
B	11	2	H2	95.446159	4.4	51548.253
Na	23	1	He	7469.732163	2.2	10642858.173
Mg	24	1	He	8360.815702	2.4	6611574.487
Al	27	1	He	1966.995577	2.0	842314.500
Si	28	2	H2	6557.909909	6.3	21930239.333
K	39	1	He	2538.558154	2.4	3084520.370
Ca	43	1	He	46677.43100	2.4	168752.313
Ca	44	1	He	47119.56329	2.6	2852721.393
Ti	47	1	He	94.368775	2.7	36628.000
V	51	1	He	102.445595	2.8	939304.260
Cr	52	1	He	104.433409	2.0	1146646.123
Mn	55	1	He	108.233824	1.9	898200.063
Fe	56	1	He	2046.564373	2.7	20548416.000
Co	59	1	He	101.282856	2.0	1628367.543
Ni	60	1	He	99.777850	1.2	393293.283
Cu	63	1	He	100.446119	1.5	1018853.163
Zn	66	1	He	99.195673	1.5	207510.370
As	75	1	He	98.699304	1.5	169191.203
Se	78	2	H2	92.809938	0.9	79502.413
Sr	88	1	He	186.185089	1.7	2744780.377
Mo	95	1	He	102.208840	1.2	647682.007
Pd	105	1	He	18.906390	1.0	177914.080
Ag	107	1	He	46.370757	6.8	870060.143
Cd	111	1	He	95.733587	0.8	341711.747
Sn	118	1	He	95.119183	0.8	891543.553
Sb	121	1	He	92.880590	0.8	1135769.487
Ba	138	1	He	98.874126	2.1	3119236.513
Pt	195	1	He	18.782261	1.7	220569.690
Hg	202	1	He	0.013626	110.7	143.337
Tl	205	1	He	100.263881	2.0	4301103.477
Pb	206	1	He	99.455088	2.0	1448880.133
Pb	207	1	He	99.094812	0.2	1206166.570
Pb	208	1	He	99.089287	1.3	5694071.137
Bi	209	1	He	101.607604	1.5	4594689.723
Th	232	1	He	102.099919	2.8	6510524.697
U	238	1	He	96.917863	2.8	6321143.657

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.84926640	785762.977
Sc	45	2	H2	72.23261465	4841153.833
Ge	72	1	He	71.51442856	484253.843
Ge	72	2	H2	72.96123051	1323409.833
In	115	1	He	73.15178835	5332321.683
Tb	159	1	He	78.10811502	12647437.310
Ir	193	1	He	76.52924767	5982461.160

Sample Name	4322452_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	266SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:06:04
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	102.043800	4.5	58458.407
Be	9	2	H2	101.543172	4.6	49575.197
B	11	2	H2	107.259621	4.8	57224.707
Na	23	1	He	7809.900901	1.1	11178584.830
Mg	24	1	He	8741.371531	1.3	6944526.353
Al	27	1	He	2111.782390	1.2	908485.850
Si	28	2	H2	6991.213765	6.7	23205426.667
K	39	1	He	2686.873821	0.6	3274387.450
Ca	43	1	He	48951.31872	1.2	177796.203
Ca	44	1	He	49033.79955	0.9	2982466.287
Ti	47	1	He	101.671276	0.9	39646.257
V	51	1	He	110.113153	2.1	1014433.890
Cr	52	1	He	112.307015	1.4	1238774.337
Mn	55	1	He	116.580351	0.6	971900.523
Fe	56	1	He	2205.058268	1.0	22242507.333
Co	59	1	He	107.727369	1.7	1749339.420
Ni	60	1	He	106.720674	1.1	424830.457
Cu	63	1	He	106.846770	1.0	1094655.960
Zn	66	1	He	105.489589	1.2	222880.100
As	75	1	He	104.963831	1.1	181723.340
Se	78	2	H2	101.862461	1.7	86968.733
Sr	88	1	He	193.540163	0.3	2895952.040
Mo	95	1	He	109.694755	0.9	702077.620
Pd	105	1	He	20.105527	1.9	192015.460
Ag	107	1	He	47.726050	5.0	908752.123
Cd	111	1	He	101.185035	0.4	366604.643
Sn	118	1	He	101.120119	1.7	961913.293
Sb	121	1	He	99.289935	2.1	1232220.063
Ba	138	1	He	105.759604	1.3	3323827.243
Pt	195	1	He	20.493657	1.6	239739.097
Hg	202	1	He	0.019975	39.0	180.003
Tl	205	1	He	108.111679	1.4	4620070.557
Pb	206	1	He	108.013237	1.0	1567613.207
Pb	207	1	He	107.607821	1.5	1304685.240
Pb	208	1	He	107.486589	1.0	6153129.647
Bi	209	1	He	108.573954	0.7	4891127.533
Th	232	1	He	108.354545	0.6	6932893.650
U	238	1	He	103.739902	0.5	6789396.567

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.17202665	789292.770
Sc	45	2	H2	71.67918706	4804062.167
Ge	72	1	He	72.23115768	489107.113
Ge	72	2	H2	72.72057583	1319044.710
In	115	1	He	74.25035538	5412400.557
Tb	159	1	He	77.81388420	12599794.810
Ir	193	1	He	76.77695131	6001824.703

Sample Name	10607799001_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	267SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:09:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.165622	7.6	148.333
Be	9	2	H2	0.051866	14.8	30.833
B	11	2	H2	-0.193120		2173.517
Na	23	1	He	296.946745	1.0	443168.783
Mg	24	1	He	347.345182	1.5	282018.647
Al	27	1	He	3.391012	1.1	1664.747
Si	28	2	H2	335.216856	5.2	1153096.877
K	39	1	He	50.743090	2.4	158560.937
Ca	43	1	He	2413.012783	0.1	8884.010
Ca	44	1	He	2474.265949	0.6	152553.657
Ti	47	1	He	0.068041	50.4	29.333
V	51	1	He	0.040690	217.8	-952.817
Cr	52	1	He	0.185143	7.5	2492.847
Mn	55	1	He	0.431448	2.9	4351.873
Fe	56	1	He	2.735681	1.3	40944.130
Co	59	1	He	0.009134	14.6	228.000
Ni	60	1	He	-0.125023		164.667
Cu	63	1	He	0.023863	15.9	488.677
Zn	66	1	He	0.056302	12.4	291.333
As	75	1	He	0.015382	31.8	232.833
Se	78	2	H2	0.042976	14.3	51.000
Sr	88	1	He	4.583901	2.8	71362.287
Mo	95	1	He	0.095881	15.0	635.020
Pd	105	1	He	0.006223	80.9	90.000
Ag	107	1	He	1.720233	71.4	34716.343
Cd	111	1	He	0.008587	107.6	34.810
Sn	118	1	He	0.125905	3.1	1381.733
Sb	121	1	He	0.009517	8.7	198.333
Ba	138	1	He	0.102648	1.9	3423.713
Pt	195	1	He	0.004382	95.9	126.667
Hg	202	1	He	0.005484	122.0	96.667
Tl	205	1	He	0.032971	12.1	2065.153
Pb	206	1	He	0.016421	24.8	321.677
Pb	207	1	He	0.006579	94.0	876.700
Pb	208	1	He	0.012607	9.8	1781.727
Bi	209	1	He	0.007618	41.7	1656.797
Th	232	1	He	0.020929	26.4	1418.420
U	238	1	He	0.037605	8.2	2593.580

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	73.09298935	799364.667
Sc	45	2	H2	73.73559266	4941886.000
Ge	72	1	He	72.60868540	491663.510
Ge	72	2	H2	74.42678437	1349992.833
In	115	1	He	77.06116830	5617291.770
Tb	159	1	He	79.51132497	12874648.143
Ir	193	1	He	78.68689021	6151128.867

Sample Name	4323801_B70203Dx100
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	268SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:13:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.052643	8.7	79.833
Be	9	2	H2	0.018327	20.2	13.667
B	11	2	H2	-0.544701		1940.137
Na	23	1	He	65.807268	1.8	106579.810
Mg	24	1	He	70.171314	2.7	58035.537
Al	27	1	He	5.291805	2.7	2449.167
Si	28	2	H2	69.101733	6.3	239428.483
K	39	1	He	30.375591	6.1	131808.790
Ca	43	1	He	487.880826	1.7	1770.950
Ca	44	1	He	506.242284	1.2	30774.427
Ti	47	1	He	0.014434	94.0	8.000
V	51	1	He	0.030741	307.3	-1028.307
Cr	52	1	He	0.065554	2.2	1136.707
Mn	55	1	He	0.064898	15.2	1236.713
Fe	56	1	He	1.357884	2.5	26404.560
Co	59	1	He	0.003377	28.0	130.667
Ni	60	1	He	-0.130655		138.667
Cu	63	1	He	0.026698	12.0	504.677
Zn	66	1	He	0.083562	58.5	340.673
As	75	1	He	-0.007211		188.667
Se	78	2	H2	0.017161	47.3	27.667
Sr	88	1	He	0.950768	1.4	14602.837
Mo	95	1	He	0.026142	17.3	181.667
Pd	105	1	He	0.005062	23.5	76.667
Ag	107	1	He	1.468212	75.7	29036.547
Cd	111	1	He	0.004289	91.3	18.277
Sn	118	1	He	0.113629	12.0	1231.723
Sb	121	1	He	0.006171	69.4	151.667
Ba	138	1	He	0.029192	15.7	1048.373
Pt	195	1	He	0.001702	52.5	93.333
Hg	202	1	He	0.007998	77.8	110.000
Tl	205	1	He	0.002925	80.2	741.690
Pb	206	1	He	0.011034	18.7	238.333
Pb	207	1	He	0.001406	741.2	800.030
Pb	208	1	He	0.008323	24.1	1508.373
Bi	209	1	He	-0.000382		1270.077
Th	232	1	He	0.006997	20.9	500.013
U	238	1	He	0.009455	9.1	700.027

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.81068316	785341.020
Sc	45	2	H2	72.03917237	4828189.000
Ge	72	1	He	70.77605995	479254.043
Ge	72	2	H2	72.54896844	1315932.003
In	115	1	He	75.29325573	5488421.667
Tb	159	1	He	78.36886268	12689658.143
Ir	193	1	He	77.95268864	6093734.700

Sample Name	10607799002_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	269SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:16:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.014422	3.3	1191.203
Be	9	2	H2	0.063242	21.8	35.167
B	11	2	H2	5.332969	12.1	4904.087
Na	23	1	He	7087.714810	0.4	10115166.933
Mg	24	1	He	6814.850671	0.4	5398134.710
Al	27	1	He	501.889568	0.8	215396.153
Si	28	2	H2	4559.232976	7.1	15010903.667
K	39	1	He	821.310866	0.1	1064660.610
Ca	43	1	He	24452.75911	0.2	88548.147
Ca	44	1	He	25135.13060	0.7	1524243.593
Ti	47	1	He	7.585408	3.1	2950.943
V	51	1	He	2.484183	4.7	21533.760
Cr	52	1	He	2.067876	2.1	23150.837
Mn	55	1	He	31.808297	0.4	264875.490
Fe	56	1	He	567.950370	0.9	5720952.500
Co	59	1	He	0.187204	4.4	3066.937
Ni	60	1	He	2.650968	4.5	11012.060
Cu	63	1	He	1.470937	3.0	15055.663
Zn	66	1	He	11.908134	0.9	24897.240
As	75	1	He	0.879252	0.8	1697.247
Se	78	2	H2	16.060414	1.8	13503.130
Sr	88	1	He	89.689605	2.5	1359777.063
Mo	95	1	He	2.404685	1.5	15156.653
Pd	105	1	He	0.017153	51.9	193.337
Ag	107	1	He	1.325838	78.8	26212.193
Cd	111	1	He	0.122049	7.8	450.463
Sn	118	1	He	0.114280	4.3	1236.723
Sb	121	1	He	0.149504	7.4	1953.463
Ba	138	1	He	27.589809	0.2	884947.720
Pt	195	1	He	0.010270	17.8	196.673
Hg	202	1	He	0.004957	20.2	93.333
Tl	205	1	He	0.015769	21.8	1311.737
Pb	206	1	He	0.600412	3.3	8969.267
Pb	207	1	He	0.563841	4.0	7765.283
Pb	208	1	He	0.574241	3.2	34579.637
Bi	209	1	He	0.012902	25.1	1896.813
Th	232	1	He	0.144186	1.1	9471.297
U	238	1	He	1.159257	1.2	77584.660

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.94962267	786860.500
Sc	45	2	H2	70.99750503	4758374.667
Ge	72	1	He	71.04400298	481068.397
Ge	72	2	H2	71.53281214	1297500.417
In	115	1	He	75.22311848	5483309.087
Tb	159	1	He	79.40316346	12857134.393
Ir	193	1	He	78.44017268	6131842.410

Sample Name	10607799002_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	270SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:20:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.108811	27.0	111.667
Be	9	2	H2	0.027152	37.1	18.000
B	11	2	H2	-0.775002		1823.467
Na	23	1	He	350.762834	0.7	512257.543
Mg	24	1	He	336.107852	1.7	268349.247
Al	27	1	He	26.878759	2.6	11694.450
Si	28	2	H2	222.984689	5.7	752003.980
K	39	1	He	62.627791	2.8	169870.630
Ca	43	1	He	1223.742180	2.1	4433.033
Ca	44	1	He	1259.104863	0.3	76381.550
Ti	47	1	He	0.345942	13.7	136.667
V	51	1	He	0.098813	49.3	-401.253
Cr	52	1	He	0.114013	3.0	1669.420
Mn	55	1	He	1.532727	1.3	13412.327
Fe	56	1	He	28.501776	1.5	298871.747
Co	59	1	He	0.008140	12.5	206.667
Ni	60	1	He	0.010394	114.8	688.683
Cu	63	1	He	0.092833	8.5	1170.043
Zn	66	1	He	0.621121	10.2	1454.067
As	75	1	He	0.046591	8.0	280.167
Se	78	2	H2	0.787537	5.1	684.347
Sr	88	1	He	4.299126	0.7	65856.097
Mo	95	1	He	0.123532	8.1	793.360
Pd	105	1	He	0.003976	64.1	66.667
Ag	107	1	He	1.975016	77.8	39024.960
Cd	111	1	He	0.017249	39.4	66.427
Sn	118	1	He	0.123526	10.2	1336.733
Sb	121	1	He	0.010944	19.9	213.333
Ba	138	1	He	1.384760	0.5	43798.360
Pt	195	1	He	0.002310	74.9	100.000
Hg	202	1	He	0.001266	262.5	70.000
Tl	205	1	He	-0.005199		391.677
Pb	206	1	He	0.032036	8.1	543.350
Pb	207	1	He	0.026391	15.4	1101.717
Pb	208	1	He	0.030810	11.0	2795.123
Bi	209	1	He	-0.003532		1123.407
Th	232	1	He	0.009062	13.4	631.683
U	238	1	He	0.059432	6.1	4003.893

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.85366887	785811.123
Sc	45	2	H2	71.99467187	4825206.500
Ge	72	1	He	70.85881567	479814.417
Ge	72	2	H2	72.58880977	1316654.667
In	115	1	He	75.81404935	5526384.363
Tb	159	1	He	78.08640964	12643922.727
Ir	193	1	He	77.62809813	6068360.740

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	271_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:23:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	74.240416	5.9	41291.917
Be	9	2	H2	74.354167	5.7	35231.857
B	11	2	H2	70.828176	7.2	37407.890
Na	23	1	He	1993.271427	2.5	2778797.667
Mg	24	1	He	1971.585133	2.5	1522346.330
Al	27	1	He	1920.324578	1.6	801926.440
Si	28	2	H2	928.544026	6.0	2997838.417
K	39	1	He	2040.660036	2.4	2436450.433
Ca	43	1	He	1915.126372	1.5	6759.413
Ca	44	1	He	1937.848977	1.9	114540.313
Ti	47	1	He	75.200786	2.3	28464.847
V	51	1	He	79.701306	1.5	712402.227
Cr	52	1	He	80.356772	1.2	860501.627
Mn	55	1	He	81.766023	1.6	661877.167
Fe	56	1	He	1011.773662	2.2	9913295.333
Co	59	1	He	80.532241	2.1	1275097.043
Ni	60	1	He	80.579279	1.6	312907.853
Cu	63	1	He	82.939544	1.5	828544.357
Zn	66	1	He	79.286760	1.4	163373.303
As	75	1	He	77.065584	1.6	130142.453
Se	78	2	H2	74.769392	0.9	62451.970
Sr	88	1	He	73.263937	0.5	1083480.427
Mo	95	1	He	79.761747	1.8	497734.040
Pd	105	1	He	75.974263	1.3	717006.967
Ag	107	1	He	40.929258	7.8	770117.877
Cd	111	1	He	75.278319	0.5	269526.903
Sn	118	1	He	75.523669	0.6	710048.893
Sb	121	1	He	72.919730	0.5	894396.757
Ba	138	1	He	77.220843	1.1	2423559.857
Pt	195	1	He	75.903307	0.8	886445.090
Hg	202	1	He	3.522872	2.8	20807.113
Tl	205	1	He	39.263314	0.7	1675888.830
Pb	206	1	He	77.971483	0.8	1129986.570
Pb	207	1	He	81.551082	0.9	987546.417
Pb	208	1	He	80.259972	0.6	4588233.107
Bi	209	1	He	83.295034	1.0	3747286.713
Th	232	1	He	76.873170	0.6	4979000.237
U	238	1	He	74.079158	0.7	4907712.323

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.05624373	766153.997
Sc	45	2	H2	69.60680406	4665167.500
Ge	72	1	He	70.42551429	476880.353
Ge	72	2	H2	71.14063603	1290386.917
In	115	1	He	73.37587192	5348656.017
Tb	159	1	He	77.69738792	12580931.477
Ir	193	1	He	77.71678855	6075293.867

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	272_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:27:27
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.025435	52.4	62.667
Be	9	2	H2	0.029195	50.6	18.333
B	11	2	H2	-0.624646		1846.793
Na	23	1	He	4.084647	3.3	18204.003
Mg	24	1	He	-2.406488		666.687
Al	27	1	He	0.981777	8.4	586.010
Si	28	2	H2	-0.078233		8671.543
K	39	1	He	25.524693	3.6	122263.573
Ca	43	1	He	1.490301	40.8	12.750
Ca	44	1	He	0.579637	107.2	166.080
Ti	47	1	He	0.008015	101.0	5.333
V	51	1	He	-0.000286		-1271.957
Cr	52	1	He	0.004563	68.8	453.343
Mn	55	1	He	-0.048659		286.667
Fe	56	1	He	0.108717	32.0	13451.020
Co	59	1	He	0.003236	7.6	125.333
Ni	60	1	He	-0.138524		105.333
Cu	63	1	He	0.004370	36.2	274.000
Zn	66	1	He	0.026014	44.3	216.000
As	75	1	He	0.000649	562.1	197.167
Se	78	2	H2	0.018815	20.0	28.333
Sr	88	1	He	0.004987	56.1	245.003
Mo	95	1	He	0.045080	15.1	293.343
Pd	105	1	He	0.011342	29.1	133.337
Ag	107	1	He	1.591418	69.9	30456.710
Cd	111	1	He	0.006770	106.4	26.577
Sn	118	1	He	0.021040	21.2	328.343
Sb	121	1	He	0.013914	16.8	241.670
Ba	138	1	He	0.007463	14.3	351.677
Pt	195	1	He	0.008043	45.0	163.337
Hg	202	1	He	0.029844	58.1	233.340
Tl	205	1	He	0.045227	15.7	2491.880
Pb	206	1	He	0.005750	39.4	156.667
Pb	207	1	He	0.000805	48.5	771.697
Pb	208	1	He	0.005604	12.4	1315.040
Bi	209	1	He	0.003962	120.6	1426.763
Th	232	1	He	0.012573	7.8	838.367
U	238	1	He	0.006640	12.5	498.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.62616321	761450.520
Sc	45	2	H2	70.12498685	4699897.000
Ge	72	1	He	69.08453845	467800.050
Ge	72	2	H2	70.59831678	1280550.040
In	115	1	He	73.06457350	5325964.250
Tb	159	1	He	76.20882582	12339900.237
Ir	193	1	He	75.80046422	5925490.540

Sample Name	10607799003_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	273SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:31:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	7.034019	4.3	4046.107
Be	9	2	H2	0.065143	32.4	36.333
B	11	2	H2	12.471426	13.5	8555.457
Na	23	1	He	6357.124463	2.4	8845589.453
Mg	24	1	He	12033.88645	2.2	9290572.153
Al	27	1	He	119.417741	2.8	50096.903
Si	28	2	H2	8574.954081	7.0	28264088.667
K	39	1	He	886.943101	2.5	1113327.277
Ca	43	1	He	47685.95622	2.2	168331.837
Ca	44	1	He	48518.96787	2.6	2868071.953
Ti	47	1	He	2.181618	24.7	828.750
V	51	1	He	0.293872	41.0	1349.120
Cr	52	1	He	3.594937	2.3	38933.563
Mn	55	1	He	57.308585	2.6	464664.353
Fe	56	1	He	130.133098	2.0	1287518.917
Co	59	1	He	0.226125	5.3	3579.027
Ni	60	1	He	1.438520	4.3	6087.047
Cu	63	1	He	6.358643	2.1	62392.240
Zn	66	1	He	4.273011	2.1	8773.500
As	75	1	He	0.208340	5.3	539.510
Se	78	2	H2	0.160138	6.4	146.667
Sr	88	1	He	206.405548	1.9	3049068.080
Mo	95	1	He	0.613681	7.1	3765.447
Pd	105	1	He	0.031770	18.3	326.677
Ag	107	1	He	3.026878	78.7	57587.330
Cd	111	1	He	0.040924	38.4	148.873
Sn	118	1	He	0.282198	4.8	2781.923
Sb	121	1	He	0.087951	6.2	1150.057
Ba	138	1	He	7.123905	1.1	224191.563
Pt	195	1	He	0.007748	28.8	163.337
Hg	202	1	He	0.019949	9.2	180.007
Tl	205	1	He	0.019163	15.6	1431.747
Pb	206	1	He	0.181191	5.0	2708.583
Pb	207	1	He	0.177260	5.4	2928.633
Pb	208	1	He	0.171680	3.2	10858.130
Bi	209	1	He	0.011572	43.4	1800.137
Th	232	1	He	0.291147	3.1	18501.023
U	238	1	He	0.880666	1.6	57165.647

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.15199972	767201.210
Sc	45	2	H2	71.17481323	4770258.167
Ge	72	1	He	68.93992809	466820.833
Ge	72	2	H2	71.20899657	1291626.877
In	115	1	He	73.30611335	5343571.040
Tb	159	1	He	77.87260839	12609303.560
Ir	193	1	He	76.05978213	5945761.997

Sample Name	10607799003_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	274SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:34:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.349596	9.3	250.167
Be	9	2	H2	0.019632	30.4	14.333
B	11	2	H2	-0.403968		2010.143
Na	23	1	He	319.500623	1.9	467358.900
Mg	24	1	He	600.800076	2.4	477244.730
Al	27	1	He	7.168723	2.2	3251.627
Si	28	2	H2	438.748391	6.8	1469825.170
K	39	1	He	65.018852	2.3	172532.043
Ca	43	1	He	2364.940054	1.1	8552.313
Ca	44	1	He	2453.758988	3.0	148600.807
Ti	47	1	He	0.072973	30.0	30.667
V	51	1	He	-0.038746		-1665.290
Cr	52	1	He	0.228217	3.0	2920.913
Mn	55	1	He	2.844096	2.3	24267.603
Fe	56	1	He	6.926551	1.1	82245.630
Co	59	1	He	0.013104	21.6	286.667
Ni	60	1	He	-0.048343		461.343
Cu	63	1	He	0.326100	6.6	3525.693
Zn	66	1	He	0.255546	3.2	699.350
As	75	1	He	0.001780	82.2	204.833
Se	78	2	H2	0.010891	14.4	22.333
Sr	88	1	He	9.861574	2.2	151156.707
Mo	95	1	He	0.031818	15.6	218.333
Pd	105	1	He	0.005684	28.8	83.333
Ag	107	1	He	2.453539	75.4	48278.677
Cd	111	1	He	0.008740	30.8	34.933
Sn	118	1	He	0.120680	9.8	1311.733
Sb	121	1	He	0.008145	37.6	178.333
Ba	138	1	He	0.362106	2.8	11637.470
Pt	195	1	He	0.004754	107.2	130.000
Hg	202	1	He	0.015758	80.9	156.673
Tl	205	1	He	-0.003070		486.677
Pb	206	1	He	0.012781	34.1	265.003
Pb	207	1	He	0.006891	64.1	871.700
Pb	208	1	He	0.010294	31.0	1630.050
Bi	209	1	He	0.000877	205.5	1333.420
Th	232	1	He	0.016641	6.3	1123.387
U	238	1	He	0.045802	1.8	3105.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.79275901	785144.997
Sc	45	2	H2	71.93286106	4821063.833
Ge	72	1	He	71.09872763	481438.960
Ge	72	2	H2	72.44052951	1313965.080
In	115	1	He	75.96587648	5537451.640
Tb	159	1	He	78.71442989	12745613.143
Ir	193	1	He	77.71715364	6075322.407

Sample Name	10607799004_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	275SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:38:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.340351	3.8	3119.923
Be	9	2	H2	0.028083	28.6	18.500
B	11	2	H2	10.939489	1.4	7851.820
Na	23	1	He	5979.762484	0.9	8362510.083
Mg	24	1	He	14552.08329	1.6	11288939.413
Al	27	1	He	154.947471	1.7	65267.900
Si	28	2	H2	6142.778912	5.5	20489772.000
K	39	1	He	787.563926	1.0	1004038.187
Ca	43	1	He	66737.95055	1.0	236745.583
Ca	44	1	He	68002.01596	1.3	4039562.400
Ti	47	1	He	1.463276	7.4	559.343
V	51	1	He	0.383379	19.0	2174.677
Cr	52	1	He	1.542240	3.5	17016.660
Mn	55	1	He	31.262869	1.2	255046.683
Fe	56	1	He	168.972058	1.3	1676253.293
Co	59	1	He	0.895262	2.6	14053.493
Ni	60	1	He	0.126515	4.8	1119.373
Cu	63	1	He	0.202837	3.5	2231.483
Zn	66	1	He	1.321688	2.2	2847.570
As	75	1	He	0.264558	2.8	637.343
Se	78	2	H2	0.501405	1.5	438.010
Sr	88	1	He	137.341949	1.7	2039631.427
Mo	95	1	He	0.295011	8.0	1831.780
Pd	105	1	He	0.029865	7.3	310.010
Ag	107	1	He	2.660881	78.2	51202.027
Cd	111	1	He	0.013065	9.9	49.450
Sn	118	1	He	0.082994	7.0	916.703
Sb	121	1	He	0.027680	4.2	413.343
Ba	138	1	He	22.955469	1.4	724349.157
Pt	195	1	He	0.014043	71.5	236.673
Hg	202	1	He	0.016470	20.7	160.003
Tl	205	1	He	0.002823	49.8	735.027
Pb	206	1	He	0.122857	7.0	1868.460
Pb	207	1	He	0.113387	6.4	2161.840
Pb	208	1	He	0.116491	2.3	7722.437
Bi	209	1	He	0.010079	21.7	1740.143
Th	232	1	He	0.061709	3.5	3970.537
U	238	1	He	0.868795	1.3	56630.600

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.49362442	770937.310
Sc	45	2	H2	72.04859221	4828820.333
Ge	72	1	He	69.46715668	470390.917
Ge	72	2	H2	72.20446487	1309683.213
In	115	1	He	73.69882787	5372197.547
Tb	159	1	He	78.12515510	12650196.477
Ir	193	1	He	76.38015647	5970806.370

Sample Name	10607799004_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	276SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:41:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.273343	8.0	207.500
Be	9	2	H2	0.009729	40.7	9.500
B	11	2	H2	-0.509009		1966.813
Na	23	1	He	300.246120	1.0	443901.543
Mg	24	1	He	726.906902	0.6	582002.897
Al	27	1	He	9.220316	4.6	4165.840
Si	28	2	H2	315.197749	6.2	1064464.480
K	39	1	He	60.166543	3.9	168310.147
Ca	43	1	He	3317.170830	1.2	12100.307
Ca	44	1	He	3414.350552	0.8	208562.463
Ti	47	1	He	0.079172	54.4	33.333
V	51	1	He	0.053964	112.8	-822.387
Cr	52	1	He	0.099901	2.2	1526.737
Mn	55	1	He	1.479600	3.2	13076.747
Fe	56	1	He	8.988505	1.4	103842.133
Co	59	1	He	0.042406	4.1	762.020
Ni	60	1	He	-0.117416		192.667
Cu	63	1	He	0.044347	8.4	691.350
Zn	66	1	He	0.141196	10.7	466.010
As	75	1	He	0.001836	267.9	206.833
Se	78	2	H2	0.027807	13.6	37.000
Sr	88	1	He	6.683325	1.8	102617.050
Mo	95	1	He	0.017665	40.9	130.000
Pd	105	1	He	0.005332	58.3	80.000
Ag	107	1	He	1.731251	71.5	34509.090
Cd	111	1	He	0.002900	53.5	13.297
Sn	118	1	He	0.111331	6.4	1221.723
Sb	121	1	He	0.001865	209.5	98.333
Ba	138	1	He	1.167403	1.5	37371.427
Pt	195	1	He	0.000811	337.3	83.333
Hg	202	1	He	0.014474	29.1	150.000
Tl	205	1	He	-0.007867		280.007
Pb	206	1	He	0.010461	26.0	231.670
Pb	207	1	He	0.000960	228.8	801.697
Pb	208	1	He	0.008169	17.2	1511.710
Bi	209	1	He	0.000779	552.6	1333.420
Th	232	1	He	0.004298	11.7	328.343
U	238	1	He	0.043924	2.6	3023.660

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.43593077	792178.897
Sc	45	2	H2	72.33273642	4847864.167
Ge	72	1	He	71.76598703	485957.250
Ge	72	2	H2	72.94002795	1323025.250
In	115	1	He	76.06588169	5544741.413
Tb	159	1	He	78.99824161	12791568.560
Ir	193	1	He	78.81720875	6161316.157

Sample Name	10607799005_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	277SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:45:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.916225	5.2	2284.140
Be	9	2	H2	0.066099	32.1	37.000
B	11	2	H2	10.612257	10.1	7638.373
Na	23	1	He	6518.029586	2.3	9133276.947
Mg	24	1	He	6855.347490	2.4	5331000.753
Al	27	1	He	957.775175	2.0	403388.437
Si	28	2	H2	8119.889597	5.2	26870574.000
K	39	1	He	714.260099	1.7	921356.963
Ca	43	1	He	37457.60185	2.0	133163.350
Ca	44	1	He	38374.24545	1.4	2284680.163
Ti	47	1	He	13.984719	9.9	5336.913
V	51	1	He	1.223090	10.4	9747.050
Cr	52	1	He	5.375214	2.0	58422.130
Mn	55	1	He	106.477078	1.2	868938.207
Fe	56	1	He	1079.990641	1.7	10669230.667
Co	59	1	He	0.452908	3.9	7174.120
Ni	60	1	He	2.315001	2.0	9519.203
Cu	63	1	He	1.069595	1.4	10807.943
Zn	66	1	He	4.682131	3.8	9703.980
As	75	1	He	1.123918	2.6	2073.623
Se	78	2	H2	0.441347	4.4	384.003
Sr	88	1	He	58.397242	0.5	878721.240
Mo	95	1	He	1.337932	7.4	8278.717
Pd	105	1	He	0.012406	33.3	146.667
Ag	107	1	He	1.390488	81.4	27373.847
Cd	111	1	He	0.014620	60.0	55.847
Sn	118	1	He	0.111070	9.3	1196.723
Sb	121	1	He	0.042336	1.7	601.687
Ba	138	1	He	40.675229	0.5	1298533.967
Pt	195	1	He	0.010048	45.6	193.340
Hg	202	1	He	0.015592	15.6	156.667
Tl	205	1	He	0.002915	47.2	748.360
Pb	206	1	He	0.789742	0.9	11719.347
Pb	207	1	He	0.738509	1.4	9879.783
Pb	208	1	He	0.761661	1.4	45316.773
Bi	209	1	He	0.012125	26.6	1853.490
Th	232	1	He	0.470709	0.2	30626.557
U	238	1	He	0.368348	1.8	24549.500

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.64981722	772645.477
Sc	45	2	H2	71.48928593	4791334.667
Ge	72	1	He	69.71132378	472044.273
Ge	72	2	H2	71.60459302	1298802.417
In	115	1	He	74.65780533	5442101.187
Tb	159	1	He	79.03449874	12797439.393
Ir	193	1	He	77.95827728	6094171.577

Sample Name	10607799005_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	278SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:48:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.180018	4.2	151.333
Be	9	2	H2	0.013974	55.8	11.333
B	11	2	H2	-0.912744		1726.790
Na	23	1	He	324.298234	0.5	471497.220
Mg	24	1	He	341.296173	0.6	270674.100
Al	27	1	He	49.199340	2.7	21116.467
Si	28	2	H2	421.000791	8.8	1396327.877
K	39	1	He	56.718086	1.1	161849.347
Ca	43	1	He	1867.130632	0.6	6715.633
Ca	44	1	He	1936.610352	1.5	116642.403
Ti	47	1	He	0.695735	9.9	270.670
V	51	1	He	0.206109	5.5	579.703
Cr	52	1	He	0.282701	9.4	3498.350
Mn	55	1	He	6.371775	0.3	53200.377
Fe	56	1	He	112.100429	0.8	1130551.957
Co	59	1	He	0.028720	10.0	533.343
Ni	60	1	He	0.014349	55.9	702.683
Cu	63	1	He	0.152172	0.6	1762.760
Zn	66	1	He	0.271507	9.9	728.683
As	75	1	He	0.044334	15.9	275.833
Se	78	2	H2	0.022360	5.3	31.667
Sr	88	1	He	2.843608	1.1	43456.927
Mo	95	1	He	0.065232	28.6	426.680
Pd	105	1	He	0.006414	16.9	90.000
Ag	107	1	He	1.074229	80.9	21443.233
Cd	111	1	He	0.006080	59.7	24.873
Sn	118	1	He	0.097722	4.7	1081.717
Sb	121	1	He	0.003084	110.8	113.333
Ba	138	1	He	2.046447	1.3	65043.147
Pt	195	1	He	0.001970	212.1	96.667
Hg	202	1	He	0.009073	106.1	116.670
Tl	205	1	He	-0.009292		216.670
Pb	206	1	He	0.040581	8.8	671.687
Pb	207	1	He	0.027212	36.1	1118.383
Pb	208	1	He	0.039041	10.9	3286.823
Bi	209	1	He	0.000901	508.3	1330.083
Th	232	1	He	0.024721	8.2	1641.777
U	238	1	He	0.018951	7.7	1323.403

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.38733468	780711.167
Sc	45	2	H2	71.21015004	4772626.500
Ge	72	1	He	70.71753549	478857.750
Ge	72	2	H2	71.47267314	1296409.583
In	115	1	He	75.53130571	5505774.067
Tb	159	1	He	78.54606456	12718351.060
Ir	193	1	He	77.49071719	6057621.367

Sample Name	10607799006_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	279SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:52:29
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.813349	3.5	1609.237
Be	9	2	H2	0.020210	78.5	14.167
B	11	2	H2	10.465736	7.8	7351.553
Na	23	1	He	5607.662592	1.9	7770521.760
Mg	24	1	He	8367.823163	2.0	6432977.193
Al	27	1	He	45.465020	1.2	19102.850
Si	28	2	H2	6281.679974	7.4	20228094.000
K	39	1	He	855.376645	2.0	1072401.703
Ca	43	1	He	105079.5550	1.7	369324.137
Ca	44	1	He	107027.8041	2.3	6299212.557
Ti	47	1	He	0.684827	4.8	260.667
V	51	1	He	0.373450	16.8	2058.457
Cr	52	1	He	2.071765	2.4	22512.613
Mn	55	1	He	23.794956	1.8	192497.190
Fe	56	1	He	49.819054	1.9	498433.417
Co	59	1	He	0.041829	10.4	716.017
Ni	60	1	He	0.324774	4.4	1844.100
Cu	63	1	He	0.388980	1.8	3993.790
Zn	66	1	He	4.815125	3.3	9767.350
As	75	1	He	0.345478	1.6	758.353
Se	78	2	H2	1.072625	3.9	892.023
Sr	88	1	He	216.332647	2.3	3193050.577
Mo	95	1	He	0.109850	3.6	681.687
Pd	105	1	He	0.034945	34.7	356.680
Ag	107	1	He	2.708677	81.5	51754.967
Cd	111	1	He	0.020243	23.8	74.793
Sn	118	1	He	0.085036	4.8	930.033
Sb	121	1	He	0.033452	5.0	481.677
Ba	138	1	He	38.390099	1.1	1206095.137
Pt	195	1	He	0.006895	37.2	153.337
Hg	202	1	He	0.005853	146.0	96.670
Tl	205	1	He	-0.001919		530.013
Pb	206	1	He	0.102501	4.4	1563.423
Pb	207	1	He	0.080684	8.5	1755.113
Pb	208	1	He	0.094690	1.8	6438.873
Bi	209	1	He	0.006335	69.7	1563.447
Th	232	1	He	0.018364	8.4	1211.727
U	238	1	He	0.787168	2.5	51228.777

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.84440307	763837.250
Sc	45	2	H2	69.51261817	4658855.000
Ge	72	1	He	68.26284948	462236.053
Ge	72	2	H2	69.84516445	1266888.960
In	115	1	He	73.25003072	5339482.957
Tb	159	1	He	77.77694259	12593813.143
Ir	193	1	He	76.24806300	5960480.330

Sample Name	10607799006_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	280SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:56:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.122174	18.9	118.500
Be	9	2	H2	0.013229	42.7	11.000
B	11	2	H2	-0.575284		1900.137
Na	23	1	He	296.553160	4.7	417487.847
Mg	24	1	He	441.414680	5.3	337288.053
Al	27	1	He	4.537628	39.6	2018.013
Si	28	2	H2	326.891622	6.0	1086387.417
K	39	1	He	67.246496	10.8	168195.453
Ca	43	1	He	5468.169076	4.1	18984.440
Ca	44	1	He	5609.151982	3.9	326119.193
Ti	47	1	He	0.086775	112.1	33.333
V	51	1	He	0.026491	376.9	-1045.187
Cr	52	1	He	0.137327	4.7	1849.433
Mn	55	1	He	1.214256	5.1	10333.633
Fe	56	1	He	3.945743	39.0	49821.357
Co	59	1	He	-0.000301		70.000
Ni	60	1	He	-0.117104		186.000
Cu	63	1	He	0.022707	19.7	450.010
Zn	66	1	He	0.297519	10.4	757.353
As	75	1	He	0.003470	272.0	200.167
Se	78	2	H2	0.063863	6.1	66.333
Sr	88	1	He	10.831939	3.6	159852.497
Mo	95	1	He	0.006422	92.1	56.667
Pd	105	1	He	0.001659	190.0	43.333
Ag	107	1	He	2.015452	85.9	37294.787
Cd	111	1	He	0.002012	132.2	9.983
Sn	118	1	He	0.121659	16.5	1266.723
Sb	121	1	He	0.000842	277.2	83.333
Ba	138	1	He	1.987904	3.4	61238.973
Pt	195	1	He	0.001986	140.6	93.333
Hg	202	1	He	0.011528	53.6	126.667
Tl	205	1	He	-0.009714		191.667
Pb	206	1	He	0.005809	45.1	156.667
Pb	207	1	He	-0.000989		751.693
Pb	208	1	He	0.003756	32.0	1211.700
Bi	209	1	He	-0.003576		1096.727
Th	232	1	He	0.001929	35.9	165.000
U	238	1	He	0.040056	5.2	2663.593

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.05849739	755242.373
Sc	45	2	H2	71.22973822	4773939.333
Ge	72	1	He	68.63841551	464779.167
Ge	72	2	H2	71.33410296	1293896.123
In	115	1	He	73.25336365	5339725.907
Tb	159	1	He	76.21122922	12340289.400
Ir	193	1	He	75.95064805	5937230.743

Sample Name	10607799007_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	281SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:59:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	8.387431	3.5	4747.267
Be	9	2	H2	0.218489	1.8	108.833
B	11	2	H2	13.019208	8.5	8695.550
Na	23	1	He	5949.943006	0.6	8206884.043
Mg	24	1	He	13229.10157	0.6	10122916.307
Al	27	1	He	3116.386387	0.9	1291367.580
Si	28	2	H2	12108.94889	6.3	39342314.667
K	39	1	He	1562.113910	4.3	1873027.473
Ca	43	1	He	62743.84546	0.4	219530.107
Ca	44	1	He	64207.57436	0.6	3762010.770
Ti	47	1	He	42.207311	8.8	15861.603
V	51	1	He	3.975448	8.1	34073.393
Cr	52	1	He	10.449298	0.6	111400.950
Mn	55	1	He	612.140990	0.5	4913062.000
Fe	56	1	He	3490.982257	1.6	33912582.667
Co	59	1	He	1.946829	1.5	29801.207
Ni	60	1	He	5.984954	1.5	22990.640
Cu	63	1	He	3.832500	1.0	37141.520
Zn	66	1	He	14.325582	0.2	28600.740
As	75	1	He	0.785119	3.0	1469.563
Se	78	2	H2	0.272751	6.5	236.667
Sr	88	1	He	141.236497	1.2	2039453.667
Mo	95	1	He	1.042505	2.0	6291.193
Pd	105	1	He	0.035868	12.3	356.677
Ag	107	1	He	2.572757	42.9	48000.400
Cd	111	1	He	0.049363	28.4	174.780
Sn	118	1	He	0.271286	6.9	2620.223
Sb	121	1	He	0.072898	5.0	943.370
Ba	138	1	He	34.466994	0.5	1066894.437
Pt	195	1	He	0.010576	25.5	193.340
Hg	202	1	He	0.014701	41.3	146.670
Tl	205	1	He	0.022464	13.9	1548.427
Pb	206	1	He	3.299912	1.4	47239.563
Pb	207	1	He	3.210695	1.6	39082.807
Pb	208	1	He	3.243145	0.1	183813.967
Bi	209	1	He	0.035343	19.3	2826.963
Th	232	1	He	1.071123	1.6	66885.520
U	238	1	He	0.943182	1.0	60273.990

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.52308328	760323.210
Sc	45	2	H2	70.17261071	4703088.833
Ge	72	1	He	67.91920341	459909.083
Ge	72	2	H2	69.95429197	1268868.373
In	115	1	He	71.65597583	5223286.023
Tb	159	1	He	76.62924634	12407975.650
Ir	193	1	He	74.88249365	5853730.743

Sample Name	10607799007_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	282SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:03:07
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.448468	11.9	303.333
Be	9	2	H2	0.009140	42.1	9.000
B	11	2	H2	-0.138049		2113.580
Na	23	1	He	302.520646	0.5	437288.730
Mg	24	1	He	666.736316	1.4	522249.277
Al	27	1	He	157.143801	1.3	66521.100
Si	28	2	H2	630.872948	6.9	2082339.207
K	39	1	He	97.021873	3.4	207384.857
Ca	43	1	He	3156.346388	1.8	11259.323
Ca	44	1	He	3251.207272	1.5	194218.950
Ti	47	1	He	1.861262	5.3	714.690
V	51	1	He	0.176053	55.5	303.530
Cr	52	1	He	0.543188	1.7	6290.443
Mn	55	1	He	30.600024	1.0	250889.977
Fe	56	1	He	179.879089	1.6	1792464.123
Co	59	1	He	0.098182	7.4	1616.747
Ni	60	1	He	0.188206	2.7	1361.390
Cu	63	1	He	0.241772	3.8	2626.870
Zn	66	1	He	0.787330	7.6	1771.427
As	75	1	He	0.033741	7.0	254.500
Se	78	2	H2	0.013233	20.9	24.000
Sr	88	1	He	6.885062	0.8	104072.567
Mo	95	1	He	0.052957	22.6	345.010
Pd	105	1	He	0.002679	118.2	53.333
Ag	107	1	He	1.268107	81.0	24998.053
Cd	111	1	He	0.003855	41.2	16.563
Sn	118	1	He	0.111520	19.1	1205.057
Sb	121	1	He	0.003175	44.6	113.333
Ba	138	1	He	1.738131	1.3	55093.377
Pt	195	1	He	0.002275	127.8	100.000
Hg	202	1	He	0.011347	111.6	130.003
Tl	205	1	He	-0.009681		200.000
Pb	206	1	He	0.160525	10.8	2421.880
Pb	207	1	He	0.145310	2.9	2555.230
Pb	208	1	He	0.158745	4.0	10173.020
Bi	209	1	He	-0.003305		1136.730
Th	232	1	He	0.050118	4.4	3298.717
U	238	1	He	0.044988	8.6	3055.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.83378123	774657.357
Sc	45	2	H2	71.02846515	4760449.667
Ge	72	1	He	69.79844393	472634.200
Ge	72	2	H2	71.39396869	1294982.000
In	115	1	He	74.88290229	5458509.390
Tb	159	1	He	78.30194268	12678822.310
Ir	193	1	He	77.86260710	6086692.827

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	283_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:06:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	74.709629	6.6	41625.503
Be	9	2	H2	74.140509	6.3	35193.807
B	11	2	H2	72.863000	9.8	38507.147
Na	23	1	He	1979.880212	1.4	2760860.583
Mg	24	1	He	1966.271953	1.3	1518612.583
Al	27	1	He	1913.994845	0.8	799465.770
Si	28	2	H2	933.814945	7.1	3020364.583
K	39	1	He	2029.795787	1.1	2424552.670
Ca	43	1	He	1928.013824	0.1	6806.400
Ca	44	1	He	1936.975921	1.2	114515.503
Ti	47	1	He	75.623998	2.7	28631.120
V	51	1	He	80.197847	0.5	717012.623
Cr	52	1	He	79.977410	1.4	856624.523
Mn	55	1	He	81.141587	0.7	656978.270
Fe	56	1	He	1009.797667	1.4	9896216.667
Co	59	1	He	80.143507	1.4	1266688.207
Ni	60	1	He	80.797346	1.8	313180.583
Cu	63	1	He	82.360803	1.8	821260.397
Zn	66	1	He	79.151455	1.6	162802.497
As	75	1	He	77.223642	1.2	130176.573
Se	78	2	H2	75.608116	1.3	63160.073
Sr	88	1	He	72.919061	1.1	1079570.817
Mo	95	1	He	79.975930	1.0	498219.967
Pd	105	1	He	75.077382	0.6	709388.400
Ag	107	1	He	40.168615	6.3	757127.697
Cd	111	1	He	74.739159	1.2	267891.983
Sn	118	1	He	74.931103	1.2	705289.807
Sb	121	1	He	72.489630	0.2	890160.273
Ba	138	1	He	77.676125	1.9	2420506.580
Pt	195	1	He	75.521284	0.5	875790.743
Hg	202	1	He	3.568689	2.7	20930.593
Tl	205	1	He	39.446382	1.0	1671796.693
Pb	206	1	He	78.317367	0.9	1127004.487
Pb	207	1	He	81.703967	0.7	982413.190
Pb	208	1	He	80.017002	1.2	4541921.757
Bi	209	1	He	82.830725	1.8	3699864.110
Th	232	1	He	77.126806	2.2	4945745.553
U	238	1	He	74.595175	2.0	4892824.410

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.07092729	766314.580
Sc	45	2	H2	69.69679976	4671199.167
Ge	72	1	He	70.30330988	476052.857
Ge	72	2	H2	71.15024963	1290561.293
In	115	1	He	73.45910212	5354722.993
Tb	159	1	He	77.15026557	12492340.227
Ir	193	1	He	76.95194949	6015504.700

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	284_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:10:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.021302	7.7	59.000
Be	9	2	H2	0.022228	7.4	14.833
B	11	2	H2	-0.863626		1696.773
Na	23	1	He	3.484857	4.7	16972.867
Mg	24	1	He	-2.327206		710.020
Al	27	1	He	1.029997	3.3	592.010
Si	28	2	H2	0.408331	73.5	10068.340
K	39	1	He	25.358371	1.5	119241.957
Ca	43	1	He	1.624125	5.6	12.917
Ca	44	1	He	-0.171528		119.147
Ti	47	1	He	0.022887	27.9	10.667
V	51	1	He	0.027561	198.4	-1001.820
Cr	52	1	He	0.004500	42.5	442.010
Mn	55	1	He	-0.049582		272.667
Fe	56	1	He	0.177696	19.8	13794.617
Co	59	1	He	0.003835	49.3	132.000
Ni	60	1	He	-0.138880		102.000
Cu	63	1	He	0.003349	72.0	258.667
Zn	66	1	He	0.032983	11.2	225.333
As	75	1	He	0.002105	405.9	195.500
Se	78	2	H2	0.017771	29.3	27.000
Sr	88	1	He	0.006350	55.0	261.673
Mo	95	1	He	0.032735	13.2	213.333
Pd	105	1	He	0.002535	41.5	50.000
Ag	107	1	He	2.145970	69.2	40484.373
Cd	111	1	He	0.008287	34.8	31.603
Sn	118	1	He	0.025290	5.5	363.343
Sb	121	1	He	0.013471	19.3	233.333
Ba	138	1	He	0.008689	14.4	381.677
Pt	195	1	He	0.009521	23.7	176.673
Hg	202	1	He	0.024199	64.0	196.673
Tl	205	1	He	0.042087	25.3	2313.527
Pb	206	1	He	0.009315	47.5	203.337
Pb	207	1	He	0.001264	418.9	761.693
Pb	208	1	He	0.006258	3.7	1325.040
Bi	209	1	He	0.005848	59.7	1480.103
Th	232	1	He	0.012897	18.2	846.703
U	238	1	He	0.006803	28.8	501.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.00974707	743772.957
Sc	45	2	H2	68.74335258	4607297.500
Ge	72	1	He	67.66436399	458183.460
Ge	72	2	H2	69.34053880	1257735.790
In	115	1	He	72.07786109	5254038.900
Tb	159	1	He	74.70332394	12096126.070
Ir	193	1	He	74.70721028	5840028.453

Sample Name	10607799008_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	285SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:13:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.438955	5.3	841.853
Be	9	2	H2	0.193275	7.5	95.500
B	11	2	H2	7.963795	8.4	6054.433
Na	23	1	He	4578.420282	1.0	6284609.283
Mg	24	1	He	13619.20041	1.2	10366146.513
Al	27	1	He	1258.769740	0.8	518971.717
Si	28	2	H2	6684.693050	5.3	21395530.667
K	39	1	He	854.564043	0.9	1060989.023
Ca	43	1	He	48486.48295	1.4	168746.673
Ca	44	1	He	49246.65993	2.2	2870072.717
Ti	47	1	He	10.187572	2.5	3808.407
V	51	1	He	1.845193	4.9	15046.923
Cr	52	1	He	1.399192	2.5	15185.707
Mn	55	1	He	23.699403	1.1	189852.490
Fe	56	1	He	703.458765	1.3	6807582.000
Co	59	1	He	0.275336	1.7	4331.200
Ni	60	1	He	0.560938	1.5	2751.557
Cu	63	1	He	1.326690	0.9	13167.507
Zn	66	1	He	5.831444	0.6	11884.633
As	75	1	He	0.792275	1.5	1499.730
Se	78	2	H2	10.111282	0.2	8276.937
Sr	88	1	He	76.293930	0.3	1121136.103
Mo	95	1	He	0.184725	8.4	1143.380
Pd	105	1	He	0.015964	32.4	176.670
Ag	107	1	He	1.345099	81.0	25865.533
Cd	111	1	He	0.046573	33.9	167.990
Sn	118	1	He	0.321440	1.7	3133.650
Sb	121	1	He	0.057734	9.6	775.023
Ba	138	1	He	27.983094	1.5	880843.710
Pt	195	1	He	0.008302	35.9	170.003
Hg	202	1	He	0.005887	170.3	96.667
Tl	205	1	He	0.030035	5.6	1898.467
Pb	206	1	He	1.715766	2.1	25012.953
Pb	207	1	He	1.610229	1.7	20321.377
Pb	208	1	He	1.659886	1.4	96173.160
Bi	209	1	He	0.035687	1.8	2890.330
Th	232	1	He	1.739785	1.3	110839.233
U	238	1	He	0.717718	1.8	46826.707

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.15735621	756323.520
Sc	45	2	H2	69.10663782	4631645.500
Ge	72	1	He	68.76882303	465662.210
Ge	72	2	H2	69.62358720	1262869.873
In	115	1	He	72.91227331	5314862.490
Tb	159	1	He	77.93482706	12619378.143
Ir	193	1	He	76.42037749	5973950.537

Sample Name	10607799008_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	286SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:17:27
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.064870	23.8	84.667
Be	9	2	H2	0.018783	56.7	13.667
B	11	2	H2	-1.269020		1533.430
Na	23	1	He	226.371719	2.5	328818.727
Mg	24	1	He	668.522602	1.9	521084.067
Al	27	1	He	63.227856	1.9	26742.587
Si	28	2	H2	329.285549	5.7	1080785.127
K	39	1	He	63.286007	2.5	167404.637
Ca	43	1	He	2351.781409	1.7	8350.310
Ca	44	1	He	2458.246220	2.3	146163.670
Ti	47	1	He	0.568065	13.6	218.667
V	51	1	He	0.055037	98.8	-789.160
Cr	52	1	He	0.119134	4.9	1692.753
Mn	55	1	He	1.131164	2.0	9890.050
Fe	56	1	He	35.307847	2.5	360197.093
Co	59	1	He	0.013363	10.6	288.000
Ni	60	1	He	-0.107377		228.000
Cu	63	1	He	0.930230	1.8	9521.873
Zn	66	1	He	0.769861	1.6	1750.760
As	75	1	He	0.026422	21.3	244.333
Se	78	2	H2	0.475720	9.9	412.007
Sr	88	1	He	3.615339	2.3	54796.957
Mo	95	1	He	0.013743	7.1	103.333
Pd	105	1	He	0.007167	60.1	96.667
Ag	107	1	He	2.541933	79.0	49590.457
Cd	111	1	He	0.007059	29.7	28.303
Sn	118	1	He	0.107777	9.0	1170.053
Sb	121	1	He	0.007816	27.9	171.667
Ba	138	1	He	1.382040	1.4	43688.070
Pt	195	1	He	0.004013	118.2	120.000
Hg	202	1	He	0.015373	31.9	153.340
Tl	205	1	He	-0.003284		473.347
Pb	206	1	He	0.106839	7.3	1631.763
Pb	207	1	He	0.094037	7.5	1923.470
Pb	208	1	He	0.101332	0.9	6842.280
Bi	209	1	He	0.000545	86.1	1306.747
Th	232	1	He	0.085658	2.1	5542.697
U	238	1	He	0.033936	2.1	2298.527

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.49261890	770926.313
Sc	45	2	H2	70.33437918	4713930.833
Ge	72	1	He	70.39714749	476688.270
Ge	72	2	H2	71.47704449	1296488.873
In	115	1	He	74.97248642	5465039.530
Tb	159	1	He	78.04267721	12636841.477
Ir	193	1	He	77.00789703	6019878.243

Sample Name	10607799009_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	287SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:21:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.959467	5.7	3372.303
Be	9	2	H2	0.008118	49.1	8.333
B	11	2	H2	11.489170	14.1	7908.523
Na	23	1	He	5536.709866	2.0	7587633.220
Mg	24	1	He	17789.72756	1.9	13522668.133
Al	27	1	He	9.378480	1.9	4037.777
Si	28	2	H2	5632.960394	5.6	18216816.667
K	39	1	He	664.432500	1.4	844465.430
Ca	43	1	He	59327.89321	1.5	206222.920
Ca	44	1	He	60612.54627	1.8	3528185.757
Ti	47	1	He	0.134932	13.6	52.667
V	51	1	He	0.178869	144.8	307.703
Cr	52	1	He	4.017079	1.6	42793.560
Mn	55	1	He	7.903477	0.9	63687.263
Fe	56	1	He	14.625265	1.4	153405.900
Co	59	1	He	0.046116	1.7	779.353
Ni	60	1	He	0.947695	2.5	4171.170
Cu	63	1	He	0.639921	2.4	6402.490
Zn	66	1	He	2.153394	0.7	4443.897
As	75	1	He	0.329137	0.8	729.353
Se	78	2	H2	2.851602	1.6	2365.160
Sr	88	1	He	124.772760	1.0	1826446.743
Mo	95	1	He	0.236625	8.5	1443.403
Pd	105	1	He	0.019302	59.9	206.673
Ag	107	1	He	1.446292	76.4	27511.230
Cd	111	1	He	0.003903	21.9	16.230
Sn	118	1	He	0.060651	4.7	695.020
Sb	121	1	He	0.026266	17.3	390.010
Ba	138	1	He	4.912377	0.7	154240.337
Pt	195	1	He	0.010066	66.8	190.003
Hg	202	1	He	0.006963	75.6	103.333
Tl	205	1	He	-0.004405		423.343
Pb	206	1	He	0.037876	6.8	625.020
Pb	207	1	He	0.027984	20.5	1115.057
Pb	208	1	He	0.032799	7.7	2893.467
Bi	209	1	He	-0.006356		990.053
Th	232	1	He	0.004050	15.4	301.677
U	238	1	He	0.372058	1.1	24238.867

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.07544833	755427.753
Sc	45	2	H2	69.83931576	4680750.833
Ge	72	1	He	68.04181836	460739.360
Ge	72	2	H2	70.28114894	1274797.080
In	115	1	He	72.63555363	5294691.303
Tb	159	1	He	77.67932369	12578006.477
Ir	193	1	He	76.20939836	5957457.830

Sample Name	10607799009_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	288SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:24:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.313654	7.3	226.500
Be	9	2	H2	0.003602	42.8	6.333
B	11	2	H2	-0.760731		1803.460
Na	23	1	He	273.931254	1.4	396916.217
Mg	24	1	He	884.778178	1.3	691752.803
Al	27	1	He	1.472061	7.8	802.687
Si	28	2	H2	285.599829	5.4	946184.980
K	39	1	He	53.514338	4.4	156777.410
Ca	43	1	He	2928.523899	1.2	10440.480
Ca	44	1	He	3011.160728	0.6	179772.733
Ti	47	1	He	0.039180	63.2	17.333
V	51	1	He	0.089019	95.9	-484.807
Cr	52	1	He	0.213453	6.3	2720.213
Mn	55	1	He	0.326025	2.5	3352.990
Fe	56	1	He	0.970397	1.7	22196.937
Co	59	1	He	-0.000215		72.667
Ni	60	1	He	-0.085907		309.333
Cu	63	1	He	0.024248	9.4	474.677
Zn	66	1	He	0.105508	6.3	381.343
As	75	1	He	0.008418	122.2	212.667
Se	78	2	H2	0.154745	14.7	143.000
Sr	88	1	He	5.995766	1.4	90457.917
Mo	95	1	He	0.010883	6.9	85.000
Pd	105	1	He	-0.000438		23.333
Ag	107	1	He	1.126293	83.8	22302.033
Cd	111	1	He	0.000683	199.8	4.973
Sn	118	1	He	0.097608	11.3	1068.377
Sb	121	1	He	0.000528	160.5	80.000
Ba	138	1	He	0.236536	3.4	7530.087
Pt	195	1	He	0.004372	49.6	123.337
Hg	202	1	He	0.005914	120.5	96.667
Tl	205	1	He	-0.009353		211.667
Pb	206	1	He	-0.000314		71.667
Pb	207	1	He	-0.010517		648.353
Pb	208	1	He	-0.001925		908.353
Bi	209	1	He	-0.003271		1126.733
Th	232	1	He	0.001287	37.7	128.333
U	238	1	He	0.017652	6.9	1235.067

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.78897040	774167.293
Sc	45	2	H2	70.91545949	4752875.833
Ge	72	1	He	69.96912171	473789.930
Ge	72	2	H2	71.67362652	1300054.583
In	115	1	He	74.72803828	5447220.743
Tb	159	1	He	77.51551044	12551481.477
Ir	193	1	He	77.39958558	6050497.407

Sample Name	10607799010_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	289SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:28:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.962764	1.4	2838.050
Be	9	2	H2	0.032346	37.3	20.167
B	11	2	H2	12.632105	6.4	8535.443
Na	23	1	He	13741.46251	1.5	19017552.217
Mg	24	1	He	24200.11189	1.9	18593989.723
Al	27	1	He	358.018337	1.4	149145.370
Si	28	2	H2	6085.653829	5.3	19850989.333
K	39	1	He	1313.634558	1.2	1596384.507
Ca	43	1	He	48833.25190	1.3	171583.467
Ca	44	1	He	49896.58217	1.7	2935904.107
Ti	47	1	He	8.700975	2.4	3284.317
V	51	1	He	1.560295	1.8	12651.240
Cr	52	1	He	1.571910	1.2	17173.470
Mn	55	1	He	40.364337	1.6	325972.523
Fe	56	1	He	258.736173	1.6	2535710.583
Co	59	1	He	0.172559	2.3	2736.217
Ni	60	1	He	0.959644	3.4	4250.517
Cu	63	1	He	0.508659	1.5	5178.760
Zn	66	1	He	3.661904	0.9	7506.260
As	75	1	He	0.641962	0.8	1249.377
Se	78	2	H2	6.894105	1.9	5747.933
Sr	88	1	He	259.055546	1.3	3796355.047
Mo	95	1	He	0.608891	3.7	3718.767
Pd	105	1	He	0.043823	12.0	436.683
Ag	107	1	He	2.466386	79.8	46629.690
Cd	111	1	He	0.013093	21.4	48.883
Sn	118	1	He	0.073609	19.1	816.697
Sb	121	1	He	0.054717	9.9	736.690
Ba	138	1	He	43.016515	1.1	1353868.883
Pt	195	1	He	0.010294	20.8	193.343
Hg	202	1	He	0.008081	37.4	110.000
Tl	205	1	He	0.029112	8.0	1858.463
Pb	206	1	He	0.601261	2.3	8814.167
Pb	207	1	He	0.552009	4.1	7476.827
Pb	208	1	He	0.576915	2.3	34087.683
Bi	209	1	He	0.005630	76.9	1533.443
Th	232	1	He	0.092614	5.3	5926.487
U	238	1	He	0.809517	0.7	52663.483

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.81875813	763556.790
Sc	45	2	H2	70.43619443	4720754.667
Ge	72	1	He	68.61267151	464604.843
Ge	72	2	H2	70.86564359	1285398.957
In	115	1	He	72.71912158	5300782.900
Tb	159	1	He	77.91864902	12616758.560
Ir	193	1	He	76.21858748	5958176.163

Sample Name	10607799010_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	290SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:31:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.219826	21.4	172.833
Be	9	2	H2	0.001645	327.6	5.333
B	11	2	H2	-0.861947		1736.783
Na	23	1	He	698.730106	4.9	966275.143
Mg	24	1	He	1240.045915	5.5	942642.043
Al	27	1	He	19.879605	10.5	8329.247
Si	28	2	H2	312.207137	5.8	1027785.730
K	39	1	He	92.275312	6.5	196458.293
Ca	43	1	He	2480.995174	5.6	8609.527
Ca	44	1	He	2537.487376	4.5	147510.267
Ti	47	1	He	0.416503	6.7	157.333
V	51	1	He	0.077092	42.7	-583.037
Cr	52	1	He	0.129924	9.2	1767.427
Mn	55	1	He	2.022208	6.5	16749.777
Fe	56	1	He	13.805613	6.2	145126.013
Co	59	1	He	0.006103	16.4	166.667
Ni	60	1	He	-0.086665		298.000
Cu	63	1	He	0.046161	15.8	670.013
Zn	66	1	He	0.311397	2.8	779.353
As	75	1	He	0.033492	45.4	246.667
Se	78	2	H2	0.305848	3.9	269.000
Sr	88	1	He	12.705058	5.3	185708.337
Mo	95	1	He	0.039693	15.4	256.670
Pd	105	1	He	0.002792	147.8	53.333
Ag	107	1	He	1.755911	79.5	33726.877
Cd	111	1	He	0.000683	203.5	4.923
Sn	118	1	He	0.225009	3.3	2223.500
Sb	121	1	He	0.003330	8.3	111.667
Ba	138	1	He	2.212669	4.3	67646.513
Pt	195	1	He	0.003680	82.3	113.333
Hg	202	1	He	0.002238	38.2	73.333
Tl	205	1	He	-0.006738		315.010
Pb	206	1	He	0.040315	16.8	641.687
Pb	207	1	He	0.018717	27.3	978.370
Pb	208	1	He	0.032935	2.4	2825.113
Bi	209	1	He	-0.003391		1096.737
Th	232	1	He	0.005331	10.2	376.677
U	238	1	He	0.039760	5.7	2603.580

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.99760491	754576.437
Sc	45	2	H2	70.50706947	4725504.833
Ge	72	1	He	67.91565565	459885.060
Ge	72	2	H2	71.31757994	1293596.420
In	115	1	He	72.56838155	5289794.867
Tb	159	1	He	75.63751488	12247392.317
Ir	193	1	He	74.83872550	5850309.290

Sample Name	10607799011_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	291SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:35:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.602739	1.6	2637.853
Be	9	2	H2	0.007807	23.6	8.333
B	11	2	H2	10.330673	6.8	7368.257
Na	23	1	He	6501.312004	0.7	9012441.117
Mg	24	1	He	29699.83084	0.8	22840042.993
Al	27	1	He	20.292505	3.5	8630.353
Si	28	2	H2	5790.827859	5.5	18902366.667
K	39	1	He	1109.822363	0.8	1364444.403
Ca	43	1	He	44772.65562	0.4	157460.800
Ca	44	1	He	45954.43125	1.0	2706402.507
Ti	47	1	He	0.341416	18.5	131.333
V	51	1	He	1.256136	14.9	9938.773
Cr	52	1	He	2.141514	1.1	23270.230
Mn	55	1	He	0.925371	2.6	8143.850
Fe	56	1	He	20.640067	1.0	213907.453
Co	59	1	He	0.027678	9.8	500.677
Ni	60	1	He	0.306861	10.0	1782.763
Cu	63	1	He	0.278286	3.9	2932.253
Zn	66	1	He	11.817788	2.8	23822.473
As	75	1	He	0.233827	2.5	578.010
Se	78	2	H2	0.167623	12.0	151.000
Sr	88	1	He	110.840279	1.0	1611188.620
Mo	95	1	He	0.682397	3.1	4158.870
Pd	105	1	He	0.018356	41.6	196.673
Ag	107	1	He	1.429979	78.1	27099.047
Cd	111	1	He	0.025947	23.6	93.750
Sn	118	1	He	0.202270	10.0	1998.470
Sb	121	1	He	5.875629	0.6	70909.397
Ba	138	1	He	43.692511	1.0	1359298.313
Pt	195	1	He	0.014229	54.4	236.673
Hg	202	1	He	0.006527	133.5	100.000
Tl	205	1	He	0.019529	15.2	1431.750
Pb	206	1	He	0.079064	2.7	1211.723
Pb	207	1	He	0.064680	16.1	1546.757
Pb	208	1	He	0.076287	2.3	5333.717
Bi	209	1	He	0.000984	330.3	1310.080
Th	232	1	He	0.011332	13.5	755.027
U	238	1	He	1.241322	0.9	79726.967

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.88091948	764236.603
Sc	45	2	H2	70.49475008	4724679.167
Ge	72	1	He	68.50820687	463897.470
Ge	72	2	H2	70.29044333	1274965.667
In	115	1	He	72.12804798	5257697.220
Tb	159	1	He	77.02332963	12471786.480
Ir	193	1	He	75.28353130	5885080.747

Sample Name	10607799011_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	292SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:38:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.223332	8.4	181.167
Be	9	2	H2	0.001785	265.7	5.667
B	11	2	H2	-1.340754		1556.763
Na	23	1	He	323.235353	1.2	478715.473
Mg	24	1	He	1484.885241	1.8	1190716.887
Al	27	1	He	2.285687	7.4	1177.040
Si	28	2	H2	289.205102	6.6	990846.750
K	39	1	He	77.000685	1.2	189022.143
Ca	43	1	He	2216.241054	1.7	8117.477
Ca	44	1	He	2285.100320	0.7	140164.053
Ti	47	1	He	0.009103	96.4	6.000
V	51	1	He	-0.016827		-1481.323
Cr	52	1	He	0.113602	3.4	1684.753
Mn	55	1	He	-0.002585		686.017
Fe	56	1	He	1.793972	2.1	31164.100
Co	59	1	He	-0.000408		71.333
Ni	60	1	He	-0.122107		174.000
Cu	63	1	He	0.013286	16.5	375.343
Zn	66	1	He	0.531428	9.6	1283.383
As	75	1	He	0.016152	84.4	231.167
Se	78	2	H2	0.013210	38.2	24.667
Sr	88	1	He	5.223814	2.4	80684.197
Mo	95	1	He	0.035508	21.2	243.337
Pd	105	1	He	0.002896	106.0	56.667
Ag	107	1	He	1.299508	78.7	26247.783
Cd	111	1	He	0.003321	70.1	14.927
Sn	118	1	He	0.109267	12.0	1208.393
Sb	121	1	He	0.282542	0.9	3687.107
Ba	138	1	He	2.179181	0.2	70335.883
Pt	195	1	He	0.005193	61.7	136.667
Hg	202	1	He	0.003256	131.6	83.333
Tl	205	1	He	-0.010147		183.333
Pb	206	1	He	0.003463	24.7	130.000
Pb	207	1	He	-0.002894		761.690
Pb	208	1	He	0.002519	51.5	1195.030
Bi	209	1	He	-0.005784		1043.390
Th	232	1	He	0.001165	50.3	123.333
U	238	1	He	0.059819	4.3	4117.257

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.71130437	795190.457
Sc	45	2	H2	73.32772238	4914549.833
Ge	72	1	He	71.72937774	485709.353
Ge	72	2	H2	73.57127132	1334475.080
In	115	1	He	76.48183427	5575061.833
Tb	159	1	He	79.76831054	12916259.810
Ir	193	1	He	79.31488931	6200220.950

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	293_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:42:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.327694	4.7	42594.267
Be	9	2	H2	75.300561	4.0	35798.413
B	11	2	H2	73.057887	2.5	38630.500
Na	23	1	He	2013.033218	1.2	2781044.127
Mg	24	1	He	2000.195092	1.8	1530510.083
Al	27	1	He	1938.246033	1.0	802144.190
Si	28	2	H2	938.312603	5.1	3039823.083
K	39	1	He	2049.430829	1.0	2424593.350
Ca	43	1	He	1956.939355	0.9	6844.833
Ca	44	1	He	1958.642012	0.6	114731.163
Ti	47	1	He	75.647117	1.8	28376.033
V	51	1	He	80.243325	0.8	710829.287
Cr	52	1	He	80.311823	1.2	852306.543
Mn	55	1	He	82.077531	0.8	658435.310
Fe	56	1	He	1016.774686	1.5	9872714.667
Co	59	1	He	80.568760	1.1	1263002.207
Ni	60	1	He	81.245910	0.6	312358.657
Cu	63	1	He	83.121216	0.4	822116.480
Zn	66	1	He	79.641420	0.2	162477.640
As	75	1	He	77.617163	0.3	129772.847
Se	78	2	H2	75.185875	0.4	62759.393
Sr	88	1	He	73.242741	0.4	1073435.557
Mo	95	1	He	80.585861	1.0	497878.887
Pd	105	1	He	75.860086	1.9	709540.877
Ag	107	1	He	39.480707	5.9	736426.943
Cd	111	1	He	75.370882	0.6	267431.690
Sn	118	1	He	75.881321	1.7	707017.077
Sb	121	1	He	72.925973	2.0	886424.520
Ba	138	1	He	77.707825	1.3	2406195.743
Pt	195	1	He	76.563083	0.5	882271.520
Hg	202	1	He	3.542494	1.6	20646.837
Tl	205	1	He	39.854713	0.3	1678433.253
Pb	206	1	He	78.719429	1.5	1125640.453
Pb	207	1	He	81.718250	0.7	976389.570
Pb	208	1	He	80.440945	0.9	4537192.437
Bi	209	1	He	83.623742	0.3	3711768.590
Th	232	1	He	77.756965	1.1	4964524.510
U	238	1	He	75.236138	1.2	4913478.780

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.42798291	759283.167
Sc	45	2	H2	69.81794706	4679318.667
Ge	72	1	He	69.72470060	472134.853
Ge	72	2	H2	71.08881946	1289447.040
In	115	1	He	72.71879233	5300758.900
Tb	159	1	He	76.66219939	12413311.480
Ir	193	1	He	76.61749837	5989359.913

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	294_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:46:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.014514	193.7	55.167
Be	9	2	H2	0.021494	28.0	14.500
B	11	2	H2	-1.369698		1443.420
Na	23	1	He	2.501525	8.9	15650.050
Mg	24	1	He	-2.055985		913.367
Al	27	1	He	1.099812	5.4	620.343
Si	28	2	H2	-0.065922		8516.013
K	39	1	He	25.557065	2.2	119471.350
Ca	43	1	He	1.875299	63.5	13.780
Ca	44	1	He	0.875622	24.8	179.173
Ti	47	1	He	0.026486	54.2	12.000
V	51	1	He	-0.068018		-1830.920
Cr	52	1	He	-0.002121		373.340
Mn	55	1	He	-0.056295		220.000
Fe	56	1	He	0.114735	15.3	13197.507
Co	59	1	He	0.002852	52.5	116.667
Ni	60	1	He	-0.141837		90.667
Cu	63	1	He	-0.002861		198.667
Zn	66	1	He	0.017349	100.0	194.000
As	75	1	He	-0.003511		186.000
Se	78	2	H2	0.011058	68.5	21.333
Sr	88	1	He	0.006272	28.6	260.007
Mo	95	1	He	0.035623	13.3	230.000
Pd	105	1	He	0.005433	23.2	76.667
Ag	107	1	He	0.426531	4.1	8535.500
Cd	111	1	He	0.001674	177.6	8.263
Sn	118	1	He	0.018856	22.8	303.343
Sb	121	1	He	0.012552	29.8	221.670
Ba	138	1	He	0.006660	20.6	320.010
Pt	195	1	He	0.007489	32.1	153.340
Hg	202	1	He	0.032556	22.9	243.343
Tl	205	1	He	0.044811	29.5	2416.887
Pb	206	1	He	0.008889	24.1	196.667
Pb	207	1	He	0.003469	256.2	785.027
Pb	208	1	He	0.007333	39.0	1380.037
Bi	209	1	He	0.001914	150.9	1306.750
Th	232	1	He	0.011433	11.9	756.693
U	238	1	He	0.005069	9.1	391.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.01468660	743826.977
Sc	45	2	H2	68.48983774	4590306.500
Ge	72	1	He	67.52553283	457243.377
Ge	72	2	H2	68.84191804	1248691.540
In	115	1	He	71.93605432	5243702.047
Tb	159	1	He	74.54204278	12070011.070
Ir	193	1	He	74.79618848	5846984.077

Sample Name	4322453_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	295SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:49:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.458713	4.4	60107.250
Be	9	2	H2	103.399947	4.0	49750.987
B	11	2	H2	110.358433	5.2	57977.210
Na	23	1	He	8855.198497	1.1	12258088.153
Mg	24	1	He	32791.24998	1.3	25190811.290
Al	27	1	He	2138.626267	0.7	889928.627
Si	28	2	H2	6492.142410	5.9	21237848.667
K	39	1	He	3364.814525	0.7	3942751.610
Ca	43	1	He	49260.80388	0.8	173064.493
Ca	44	1	He	49870.21469	2.1	2933815.373
Ti	47	1	He	102.966527	1.1	38837.200
V	51	1	He	112.831440	1.1	1005497.007
Cr	52	1	He	112.030305	1.0	1195266.960
Mn	55	1	He	109.611157	1.1	883903.417
Fe	56	1	He	2218.364133	1.4	21643456.667
Co	59	1	He	111.072871	0.9	1721277.377
Ni	60	1	He	108.807097	0.9	413332.780
Cu	63	1	He	110.140803	0.5	1076839.373
Zn	66	1	He	119.813611	0.1	241559.680
As	75	1	He	107.207950	0.4	177126.117
Se	78	2	H2	101.989409	0.7	86031.267
Sr	88	1	He	222.334466	1.4	3158704.537
Mo	95	1	He	112.718725	0.7	688480.277
Pd	105	1	He	20.011857	1.3	181497.420
Ag	107	1	He	49.110184	4.7	888268.347
Cd	111	1	He	103.691869	0.5	356709.740
Sn	118	1	He	103.774172	0.9	937397.460
Sb	121	1	He	108.973968	0.2	1284240.320
Ba	138	1	He	153.980573	1.2	4750432.323
Pt	195	1	He	20.466523	1.3	235026.903
Hg	202	1	He	0.029174	17.6	230.010
Tl	205	1	He	109.515055	2.0	4593875.350
Pb	206	1	He	109.613138	1.5	1561572.113
Pb	207	1	He	107.693276	0.6	1281849.250
Pb	208	1	He	108.562535	0.6	6100561.943
Bi	209	1	He	109.582769	1.2	4845628.470
Th	232	1	He	112.184693	1.3	6973771.150
U	238	1	He	108.095785	1.1	6873295.313

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.81062586	763467.853
Sc	45	2	H2	70.64531322	4734770.167
Ge	72	1	He	68.92875662	466745.187
Ge	72	2	H2	71.84712657	1303201.620
In	115	1	He	70.50051591	5139060.003
Tb	159	1	He	76.38353160	12368188.980
Ir	193	1	He	74.59616273	5831347.620

Sample Name	10607799012_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	296SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:53:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	8.849162	2.7	4867.800
Be	9	2	H2	0.068259	7.1	36.167
B	11	2	H2	15.827409	13.6	9852.887
Na	23	1	He	5683.465415	0.8	7923888.633
Mg	24	1	He	56654.65032	1.1	43808906.017
Al	27	1	He	607.019617	1.6	254388.363
Si	28	2	H2	7789.976432	6.4	24628419.333
K	39	1	He	1913.050948	1.3	2296935.800
Ca	43	1	He	133986.3080	1.1	473812.370
Ca	44	1	He	136656.9793	1.7	8092845.647
Ti	47	1	He	5.665691	20.6	2152.347
V	51	1	He	1.152674	3.6	9072.900
Cr	52	1	He	1.220460	2.4	13511.727
Mn	55	1	He	591.829171	1.5	4801078.500
Fe	56	1	He	1045.494405	1.1	10274500.333
Co	59	1	He	0.688393	1.6	10677.190
Ni	60	1	He	9.390459	1.9	36027.860
Cu	63	1	He	0.848605	0.9	8473.353
Zn	66	1	He	8.899981	1.4	17983.697
As	75	1	He	3.052577	1.1	5201.427
Se	78	2	H2	3.881724	2.9	3143.950
Sr	88	1	He	167.372612	2.3	2416306.057
Mo	95	1	He	5.453155	1.3	33119.783
Pd	105	1	He	0.035118	18.8	350.013
Ag	107	1	He	1.246569	67.7	23531.173
Cd	111	1	He	0.021286	27.7	76.730
Sn	118	1	He	0.289605	4.6	2786.920
Sb	121	1	He	0.636981	5.1	7698.463
Ba	138	1	He	17.940782	0.7	565125.527
Pt	195	1	He	0.009143	58.3	180.003
Hg	202	1	He	0.010313	8.3	123.333
Tl	205	1	He	0.057968	2.0	3095.327
Pb	206	1	He	0.814472	3.2	11919.530
Pb	207	1	He	0.777333	5.3	10216.690
Pb	208	1	He	0.787960	1.8	46212.853
Bi	209	1	He	0.017621	31.0	2076.847
Th	232	1	He	0.269744	2.3	16932.603
U	238	1	He	0.341410	0.7	21933.837

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.26482368	768435.083
Sc	45	2	H2	68.24521305	4573911.333
Ge	72	1	He	68.50318823	463863.487
Ge	72	2	H2	68.72931487	1246649.083
In	115	1	He	71.63293354	5221606.380
Tb	159	1	He	77.96955825	12625001.893
Ir	193	1	He	75.12981885	5873064.703

Sample Name	10607799012_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	297SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:56:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.437002	11.0	302.500
Be	9	2	H2	0.012306	55.5	10.667
B	11	2	H2	-0.792694		1823.467
Na	23	1	He	287.031330	0.9	418432.440
Mg	24	1	He	2909.529040	1.6	2286114.497
Al	27	1	He	31.698688	1.2	13657.760
Si	28	2	H2	408.012714	5.3	1374816.833
K	39	1	He	115.213393	2.6	230080.557
Ca	43	1	He	6686.082372	1.5	24006.697
Ca	44	1	He	6917.149395	1.0	415933.140
Ti	47	1	He	0.179080	24.1	71.333
V	51	1	He	-0.026923		-1544.937
Cr	52	1	He	0.073225	4.6	1212.713
Mn	55	1	He	29.562048	1.1	244080.523
Fe	56	1	He	53.428575	1.5	545005.063
Co	59	1	He	0.034078	5.4	618.013
Ni	60	1	He	0.343861	10.8	1982.780
Cu	63	1	He	0.048336	8.3	720.687
Zn	66	1	He	0.517655	7.2	1236.047
As	75	1	He	0.160232	1.6	471.510
Se	78	2	H2	0.177505	4.3	164.000
Sr	88	1	He	7.885250	0.4	120051.373
Mo	95	1	He	0.262390	4.4	1660.100
Pd	105	1	He	0.007819	81.5	103.337
Ag	107	1	He	1.025166	85.3	20472.023
Cd	111	1	He	0.002358	67.1	11.170
Sn	118	1	He	0.127030	4.1	1363.400
Sb	121	1	He	0.033353	17.4	495.010
Ba	138	1	He	0.932122	8.1	29871.437
Pt	195	1	He	0.005568	79.7	140.000
Hg	202	1	He	0.003323	223.5	83.333
Tl	205	1	He	0.000450	361.9	641.687
Pb	206	1	He	0.040633	11.1	676.687
Pb	207	1	He	0.042095	6.3	1308.400
Pb	208	1	He	0.043013	2.2	3538.510
Bi	209	1	He	0.001502	197.0	1366.753
Th	232	1	He	0.016798	10.1	1141.720
U	238	1	He	0.016228	11.4	1155.060

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.32680581	780049.207
Sc	45	2	H2	72.33035660	4847704.667
Ge	72	1	He	70.63884243	478324.887
Ge	72	2	H2	72.41729426	1313543.627
In	115	1	He	75.43988974	5499110.397
Tb	159	1	He	79.03541482	12797587.727
Ir	193	1	He	78.30365517	6121170.533

Sample Name	10607799013_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	298SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:00:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	10.351842	6.9	5738.547
Be	9	2	H2	0.261255	14.3	127.167
B	11	2	H2	32.673867	8.7	18212.557
Na	23	1	He	13244.70325	0.7	17914740.567
Mg	24	1	He	47095.85877	1.1	35363636.973
Al	27	1	He	3798.368552	1.1	1544771.667
Si	28	2	H2	11836.27793	6.8	37715401.333
K	39	1	He	3598.828408	0.8	4115298.377
Ca	43	1	He	43687.86657	0.7	150020.367
Ca	44	1	He	44651.07233	0.8	2567632.467
Ti	47	1	He	19.039980	9.4	7021.467
V	51	1	He	6.076903	1.2	51757.107
Cr	52	1	He	5.948381	1.3	62406.607
Mn	55	1	He	1287.430961	0.8	10140386.667
Fe	56	1	He	16375.19866	1.5	156085861.333
Co	59	1	He	3.230314	1.4	48706.757
Ni	60	1	He	7.236846	1.5	27280.607
Cu	63	1	He	3.023194	0.9	28934.563
Zn	66	1	He	109.126025	1.0	213765.133
As	75	1	He	0.832523	1.9	1524.900
Se	78	2	H2	0.129374	13.3	117.333
Sr	88	1	He	83.085476	0.3	1174309.593
Mo	95	1	He	0.334293	6.1	2000.133
Pd	105	1	He	0.034084	15.9	333.343
Ag	107	1	He	1.873702	82.7	34354.117
Cd	111	1	He	0.109212	4.7	376.077
Sn	118	1	He	2.248189	1.4	20325.493
Sb	121	1	He	0.496749	4.8	5892.743
Ba	138	1	He	33.043619	0.8	1030439.673
Pt	195	1	He	0.000967	313.4	83.333
Hg	202	1	He	0.015086	52.1	150.003
Tl	205	1	He	0.077292	3.8	3883.843
Pb	206	1	He	3.045512	1.2	43926.823
Pb	207	1	He	2.951348	1.8	36254.423
Pb	208	1	He	2.999749	1.2	171359.497
Bi	209	1	He	0.045179	8.3	3287.063
Th	232	1	He	1.309093	1.0	82386.333
U	238	1	He	0.171166	2.9	11082.360

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.23182553	746201.667
Sc	45	2	H2	68.79965772	4611071.167
Ge	72	1	He	66.96745742	453464.417
Ge	72	2	H2	69.01547800	1251839.663
In	115	1	He	70.12865036	5111953.260
Tb	159	1	He	77.19832878	12500122.727
Ir	193	1	He	75.47854675	5900325.537

Sample Name	10607799013_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	299SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:03:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.540492	11.2	359.833
Be	9	2	H2	0.020880	16.9	14.833
B	11	2	H2	0.044732	432.3	2236.857
Na	23	1	He	663.051406	0.9	971075.373
Mg	24	1	He	2418.433533	1.5	1943397.523
Al	27	1	He	193.316127	1.8	84207.007
Si	28	2	H2	633.850251	6.3	2115919.000
K	39	1	He	202.246703	2.3	339265.660
Ca	43	1	He	2198.492764	0.9	8076.670
Ca	44	1	He	2273.746635	1.1	139883.890
Ti	47	1	He	0.889142	13.8	352.673
V	51	1	He	0.327700	7.2	1725.903
Cr	52	1	He	0.298115	4.0	3745.733
Mn	55	1	He	65.280516	1.1	550248.663
Fe	56	1	He	843.815909	1.6	8608894.667
Co	59	1	He	0.167644	3.2	2797.560
Ni	60	1	He	0.241689	8.9	1619.413
Cu	63	1	He	0.348769	3.1	3809.753
Zn	66	1	He	5.751629	2.2	12300.240
As	75	1	He	0.023556	19.6	245.500
Se	78	2	H2	0.005744	51.2	18.000
Sr	88	1	He	4.030216	2.1	62890.367
Mo	95	1	He	0.020905	22.8	151.667
Pd	105	1	He	-0.000168		26.667
Ag	107	1	He	1.086664	74.9	22183.327
Cd	111	1	He	0.009044	22.9	36.620
Sn	118	1	He	0.228213	4.5	2396.860
Sb	121	1	He	0.028840	18.4	448.343
Ba	138	1	He	1.698868	1.0	56091.350
Pt	195	1	He	0.001673	58.3	96.667
Hg	202	1	He	0.003469	28.4	86.667
Tl	205	1	He	-0.003682		476.677
Pb	206	1	He	0.161591	4.7	2538.563
Pb	207	1	He	0.151922	1.2	2745.263
Pb	208	1	He	0.157320	1.9	10509.723
Bi	209	1	He	-0.000637		1310.087
Th	232	1	He	0.061863	4.2	4187.273
U	238	1	He	0.008538	18.9	658.357

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.92971765	797579.083
Sc	45	2	H2	71.78816915	4811366.333
Ge	72	1	He	72.14973403	488555.760
Ge	72	2	H2	72.54458293	1315852.457
In	115	1	He	77.21782582	5628711.153
Tb	159	1	He	81.55754174	13205976.050
Ir	193	1	He	80.31987386	6278782.823

Sample Name	10607799014_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	300SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:07:32
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.242471	6.4	2432.823
Be	9	2	H2	0.116634	6.3	60.333
B	11	2	H2	15.094070	10.5	9779.413
Na	23	1	He	9135.706658	1.4	12941547.310
Mg	24	1	He	41684.22928	1.9	32769834.513
Al	27	1	He	1072.816036	1.6	456935.013
Si	28	2	H2	8667.976593	7.1	28247217.333
K	39	1	He	1973.188439	1.6	2405610.170
Ca	43	1	He	103830.9532	1.0	373305.133
Ca	44	1	He	105183.7082	1.7	6332627.327
Ti	47	1	He	8.147355	7.6	3148.307
V	51	1	He	6.147609	2.3	54838.010
Cr	52	1	He	8.014659	1.5	87894.660
Mn	55	1	He	355.589473	1.3	2932970.000
Fe	56	1	He	1893.346217	1.4	18906592.000
Co	59	1	He	1.568501	3.7	24535.323
Ni	60	1	He	100.351640	1.6	383748.790
Cu	63	1	He	4.336589	2.5	42892.860
Zn	66	1	He	836.427530	2.8	1696037.040
As	75	1	He	11.351678	1.7	19052.463
Se	78	2	H2	3.901570	2.3	3257.970
Sr	88	1	He	148.096952	0.8	2177270.800
Mo	95	1	He	23.320549	1.6	143375.643
Pd	105	1	He	0.040132	12.5	403.347
Ag	107	1	He	1.588913	74.2	30342.177
Cd	111	1	He	0.138527	17.7	495.337
Sn	118	1	He	62.815157	0.4	587185.800
Sb	121	1	He	23.727850	0.9	289400.900
Ba	138	1	He	48.705307	1.4	1551785.343
Pt	195	1	He	0.014624	54.3	246.673
Hg	202	1	He	0.017350	39.8	166.667
Tl	205	1	He	2.256448	1.9	98372.957
Pb	206	1	He	2.367596	2.8	34908.167
Pb	207	1	He	2.253021	3.1	28463.760
Pb	208	1	He	2.281281	0.8	133401.243
Bi	209	1	He	0.021430	22.4	2273.557
Th	232	1	He	0.519231	2.1	33206.967
U	238	1	He	12.160916	0.9	794496.160

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.44403835	781331.293
Sc	45	2	H2	70.37331929	4716540.667
Ge	72	1	He	69.38814168	469855.873
Ge	72	2	H2	70.86741955	1285431.170
In	115	1	He	72.95067893	5317662.027
Tb	159	1	He	78.88150345	12772666.060
Ir	193	1	He	76.63845104	5990997.830

Sample Name	10607799014_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	301SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:11:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.216712	5.9	176.333
Be	9	2	H2	0.015708	51.1	12.500
B	11	2	H2	-0.922232		1763.453
Na	23	1	He	460.365276	0.9	685276.993
Mg	24	1	He	2155.795454	0.9	1750631.380
Al	27	1	He	56.777104	3.2	25125.013
Si	28	2	H2	464.668703	6.4	1577147.417
K	39	1	He	120.896088	0.5	244549.503
Ca	43	1	He	5217.822400	0.3	19356.143
Ca	44	1	He	5408.150471	0.7	335968.610
Ti	47	1	He	0.553356	22.7	222.677
V	51	1	He	0.324833	23.7	1718.553
Cr	52	1	He	0.417993	0.9	5134.090
Mn	55	1	He	17.958194	0.6	153452.057
Fe	56	1	He	97.276337	0.4	1014339.043
Co	59	1	He	0.077325	3.1	1347.390
Ni	60	1	He	5.049633	1.1	20937.487
Cu	63	1	He	0.222460	2.1	2545.527
Zn	66	1	He	41.998294	1.2	89729.230
As	75	1	He	0.574557	2.6	1210.540
Se	78	2	H2	0.206623	8.3	193.333
Sr	88	1	He	7.126944	0.7	111422.043
Mo	95	1	He	1.168073	3.4	7568.363
Pd	105	1	He	0.004511	46.7	73.333
Ag	107	1	He	1.029605	76.3	21089.963
Cd	111	1	He	0.005308	99.2	22.730
Sn	118	1	He	3.576096	0.9	35623.717
Sb	121	1	He	1.171730	3.5	15246.900
Ba	138	1	He	2.391614	1.0	78188.313
Pt	195	1	He	0.002832	115.1	110.000
Hg	202	1	He	-0.000219		63.333
Tl	205	1	He	0.118810	1.2	5907.823
Pb	206	1	He	0.125486	8.4	1970.143
Pb	207	1	He	0.109799	6.5	2190.180
Pb	208	1	He	0.116898	5.6	8009.163
Bi	209	1	He	0.001129	132.7	1380.090
Th	232	1	He	0.026929	4.0	1825.127
U	238	1	He	0.598143	1.1	40487.513

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	73.68161570	805802.043
Sc	45	2	H2	72.94040513	4888591.167
Ge	72	1	He	72.94972394	493972.823
Ge	72	2	H2	74.19113726	1345718.540
In	115	1	He	77.45407424	5645932.230
Tb	159	1	He	80.80814634	13084632.303
Ir	193	1	He	79.26577761	6196381.780

Sample Name	10607799015_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	302SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:14:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	9.113027	3.7	4855.963
Be	9	2	H2	0.027460	10.7	16.667
B	11	2	H2	5.935166	4.5	4844.050
Na	23	1	He	11812.40735	1.9	15935957.680
Mg	24	1	He	69751.36013	2.1	52232589.223
Al	27	1	He	37.608614	3.3	15426.440
Si	28	2	H2	330.039123	5.8	1018513.333
K	39	1	He	2346.948404	1.5	2708364.853
Ca	43	1	He	213012.2580	1.5	729499.677
Ca	44	1	He	217340.8174	1.5	12464598.343
Ti	47	1	He	0.840853	8.0	311.333
V	51	1	He	0.300842	16.9	1378.387
Cr	52	1	He	1.092310	1.8	11752.493
Mn	55	1	He	3907.866364	1.9	30697014.667
Fe	56	1	He	35579.02471	1.8	338213749.333
Co	59	1	He	0.583385	1.1	8738.803
Ni	60	1	He	1.083701	3.5	4544.587
Cu	63	1	He	0.585413	4.6	5705.593
Zn	66	1	He	3.220990	1.6	6378.483
As	75	1	He	0.282696	8.7	634.843
Se	78	2	H2	0.083391	2.7	78.667
Sr	88	1	He	469.736362	1.6	6685247.817
Mo	95	1	He	0.437990	7.4	2580.223
Pd	105	1	He	0.064294	9.4	610.027
Ag	107	1	He	1.823632	83.3	33770.007
Cd	111	1	He	0.109825	6.8	380.903
Sn	118	1	He	0.217159	3.5	2091.820
Sb	121	1	He	0.032251	12.4	450.010
Ba	138	1	He	19.087911	0.7	588384.197
Pt	195	1	He	0.008916	31.5	173.337
Hg	202	1	He	0.007840	177.5	106.670
Tl	205	1	He	0.009633	29.4	1003.377
Pb	206	1	He	0.146030	2.1	2153.503
Pb	207	1	He	0.122817	8.5	2223.507
Pb	208	1	He	0.139304	2.7	8822.687
Bi	209	1	He	0.003859	49.3	1423.427
Th	232	1	He	0.026662	2.8	1690.113
U	238	1	He	0.036862	3.5	2396.877

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.05465117	744264.040
Sc	45	2	H2	66.11609968	4431214.500
Ge	72	1	He	66.08553189	447492.533
Ge	72	2	H2	67.84276091	1230568.293
In	115	1	He	70.62752831	5148318.437
Tb	159	1	He	76.30714203	12355819.813
Ir	193	1	He	74.12489562	5794507.623

Sample Name	10607799015_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	303SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:18:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.486551	5.9	336.667
Be	9	2	H2	0.006732	39.4	8.167
B	11	2	H2	-1.596580		1430.083
Na	23	1	He	591.073314	1.5	861307.880
Mg	24	1	He	3593.206546	1.7	2866909.437
Al	27	1	He	3.035970	7.1	1496.397
Si	28	2	H2	18.034868	7.8	70820.433
K	39	1	He	136.231365	1.2	258649.363
Ca	43	1	He	10696.15977	0.9	39003.717
Ca	44	1	He	11036.37574	1.1	673933.840
Ti	47	1	He	0.043275	18.8	19.333
V	51	1	He	0.061596	90.4	-748.460
Cr	52	1	He	0.083786	10.0	1348.053
Mn	55	1	He	202.811604	1.3	1696668.750
Fe	56	1	He	1845.017584	1.9	18682788.667
Co	59	1	He	0.028113	10.5	531.343
Ni	60	1	He	-0.077736		349.337
Cu	63	1	He	0.498695	1.9	5313.470
Zn	66	1	He	0.159779	24.2	504.677
As	75	1	He	-0.016253		175.667
Se	78	2	H2	0.008995	106.1	21.000
Sr	88	1	He	22.591040	0.7	352129.263
Mo	95	1	He	0.020545	45.1	148.333
Pd	105	1	He	0.006513	63.2	93.333
Ag	107	1	He	1.529125	77.6	31130.597
Cd	111	1	He	0.006826	124.8	28.290
Sn	118	1	He	0.201722	10.8	2136.833
Sb	121	1	He	0.004300	48.4	131.667
Ba	138	1	He	0.968159	0.9	31898.550
Pt	195	1	He	0.002537	97.2	106.667
Hg	202	1	He	0.000866	693.7	70.000
Tl	205	1	He	-0.006330		356.673
Pb	206	1	He	0.008014	25.2	201.667
Pb	207	1	He	0.003637	90.4	858.363
Pb	208	1	He	0.006650	19.3	1465.040
Bi	209	1	He	-0.002089		1236.743
Th	232	1	He	0.001472	45.0	145.000
U	238	1	He	0.002344	23.4	233.340

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.44847130	792316.043
Sc	45	2	H2	73.62350462	4934373.667
Ge	72	1	He	71.73580968	485752.907
Ge	72	2	H2	73.62320275	1335417.040
In	115	1	He	77.31268959	5635626.147
Tb	159	1	He	81.24556324	13155459.807
Ir	193	1	He	80.02117175	6255432.617

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	304_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:21:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	73.072408	5.0	42047.207
Be	9	2	H2	72.116965	4.5	35351.410
B	11	2	H2	68.771709	3.9	37635.073
Na	23	1	He	2036.980966	4.8	2763846.833
Mg	24	1	He	2026.488835	5.3	1522768.673
Al	27	1	He	1962.988385	4.9	797879.627
Si	28	2	H2	919.514470	5.3	3071653.167
K	39	1	He	2073.485272	5.3	2407971.217
Ca	43	1	He	1983.822952	2.9	6819.010
Ca	44	1	He	1975.656560	4.6	113670.733
Ti	47	1	He	77.125839	5.2	28412.103
V	51	1	He	82.321578	4.7	716266.760
Cr	52	1	He	82.475747	4.7	859663.750
Mn	55	1	He	83.221627	4.9	655664.687
Fe	56	1	He	1042.574611	5.5	9940345.667
Co	59	1	He	82.578708	4.6	1272896.707
Ni	60	1	He	82.696494	4.9	312573.753
Cu	63	1	He	84.926964	5.2	825746.190
Zn	66	1	He	81.290946	5.6	163005.230
As	75	1	He	78.905614	5.2	129686.820
Se	78	2	H2	74.414744	0.6	64023.553
Sr	88	1	He	74.724551	4.8	1076871.990
Mo	95	1	He	82.792501	5.5	502813.170
Pd	105	1	He	78.276676	5.2	719818.923
Ag	107	1	He	41.167759	1.8	756721.943
Cd	111	1	He	76.594572	5.3	267190.480
Sn	118	1	He	77.556024	5.5	710397.023
Sb	121	1	He	74.640714	5.5	891947.250
Ba	138	1	He	78.966342	5.5	2433333.450
Pt	195	1	He	77.765177	4.0	892175.793
Hg	202	1	He	3.504346	7.7	20319.990
Tl	205	1	He	40.596372	4.4	1701927.057
Pb	206	1	He	80.000762	4.5	1138745.843
Pb	207	1	He	83.634328	4.4	994739.073
Pb	208	1	He	82.200240	4.5	4615251.233
Bi	209	1	He	84.970460	5.1	3753761.197
Th	232	1	He	79.474955	4.9	5010802.217
U	238	1	He	77.340950	4.8	4987787.740

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.28876329	746824.353
Sc	45	2	H2	72.00184368	4825687.167
Ge	72	1	He	68.66645889	464969.060
Ge	72	2	H2	73.27340640	1329072.247
In	115	1	He	71.62280041	5220867.737
Tb	159	1	He	76.41937445	12373992.733
Ir	193	1	He	75.75553398	5921978.243

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	305_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:25:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.014326	22.7	57.667
Be	9	2	H2	0.021149	24.7	15.000
B	11	2	H2	-1.292820		1550.097
Na	23	1	He	0.775304	20.9	13858.623
Mg	24	1	He	-1.874288		1091.710
Al	27	1	He	1.323367	20.4	740.033
Si	28	2	H2	0.595386	147.6	11085.667
K	39	1	He	23.455987	2.6	121827.000
Ca	43	1	He	3.819352	67.7	21.293
Ca	44	1	He	1.410698	88.3	217.950
Ti	47	1	He	0.014754	34.6	8.000
V	51	1	He	-0.033817		-1593.827
Cr	52	1	He	0.000520	620.8	416.673
Mn	55	1	He	-0.011996		590.677
Fe	56	1	He	0.423258	3.2	16775.803
Co	59	1	He	0.005490	16.4	163.333
Ni	60	1	He	-0.134413		123.333
Cu	63	1	He	0.005451	43.0	290.000
Zn	66	1	He	0.050596	61.3	270.667
As	75	1	He	-0.007010		188.000
Se	78	2	H2	0.015399	73.7	26.000
Sr	88	1	He	0.010533	43.4	336.673
Mo	95	1	He	0.042304	26.0	281.673
Pd	105	1	He	0.011279	50.9	136.670
Ag	107	1	He	2.277384	69.3	44681.407
Cd	111	1	He	0.012916	18.4	49.913
Sn	118	1	He	0.069287	13.9	803.363
Sb	121	1	He	0.016388	24.9	280.007
Ba	138	1	He	0.010235	19.7	450.010
Pt	195	1	He	0.009869	59.0	190.007
Hg	202	1	He	0.024163	44.4	206.673
Tl	205	1	He	0.048680	13.9	2711.927
Pb	206	1	He	0.014874	24.5	295.007
Pb	207	1	He	0.002474	374.6	815.030
Pb	208	1	He	0.009341	40.5	1570.050
Bi	209	1	He	0.007653	68.0	1636.787
Th	232	1	He	0.012449	26.3	865.033
U	238	1	He	0.009178	22.8	690.023

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.74022952	773634.250
Sc	45	2	H2	71.84594396	4815238.500
Ge	72	1	He	70.37987980	476571.343
Ge	72	2	H2	72.22698341	1310091.667
In	115	1	He	75.24388866	5484823.107
Tb	159	1	He	78.42328697	12698470.643
Ir	193	1	He	78.96660914	6172995.117

Sample Name	10607799016_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	306SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:28:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	10.005556	4.6	5901.093
Be	9	2	H2	0.030570	11.8	20.000
B	11	2	H2	15.780234	9.3	10526.503
Na	23	1	He	7281.632565	2.8	10125420.890
Mg	24	1	He	20411.47520	2.9	15748651.847
Al	27	1	He	40.524485	2.9	17111.540
Si	28	2	H2	7021.675581	6.0	23817484.000
K	39	1	He	877.230549	3.6	1101554.880
Ca	43	1	He	47339.21565	3.0	167020.947
Ca	44	1	He	48363.15548	3.1	2857427.160
Ti	47	1	He	0.649364	14.8	248.670
V	51	1	He	0.562063	2.1	3759.843
Cr	52	1	He	0.622236	6.2	7079.720
Mn	55	1	He	4.418793	3.7	36437.217
Fe	56	1	He	47.643319	2.8	479050.313
Co	59	1	He	0.037528	4.6	654.017
Ni	60	1	He	0.232952	4.5	1508.070
Cu	63	1	He	0.342664	2.0	3565.700
Zn	66	1	He	4.990084	3.7	10172.243
As	75	1	He	0.568855	7.7	1128.873
Se	78	2	H2	0.584271	4.7	512.677
Sr	88	1	He	145.927958	4.0	2149263.510
Mo	95	1	He	0.149947	7.1	928.367
Pd	105	1	He	0.020912	8.0	223.340
Ag	107	1	He	2.057478	77.6	39380.823
Cd	111	1	He	0.040471	18.5	146.387
Sn	118	1	He	0.173355	7.4	1755.107
Sb	121	1	He	0.088697	9.8	1155.053
Ba	138	1	He	11.948750	5.4	374878.313
Pt	195	1	He	0.011650	82.2	206.673
Hg	202	1	He	0.008099	52.9	110.000
Tl	205	1	He	0.016142	6.0	1300.067
Pb	206	1	He	0.113145	5.9	1715.110
Pb	207	1	He	0.097290	17.6	1956.810
Pb	208	1	He	0.104659	4.0	7002.300
Bi	209	1	He	0.014452	20.2	1930.163
Th	232	1	He	0.017684	20.1	1160.053
U	238	1	He	0.254227	5.1	16535.550

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.13436695	767008.373
Sc	45	2	H2	73.26338254	4910237.667
Ge	72	1	He	68.67458964	465024.117
Ge	72	2	H2	72.86469791	1321658.873
In	115	1	He	73.13852917	5331355.170
Tb	159	1	He	77.74329219	12588364.397
Ir	193	1	He	76.06522413	5946187.410

Sample Name	10607799016_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	307SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:32:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.512395	7.9	357.833
Be	9	2	H2	0.009502	35.5	9.667
B	11	2	H2	-1.032676		1753.453
Na	23	1	He	355.800402	0.6	535340.277
Mg	24	1	He	999.383577	1.3	817069.987
Al	27	1	He	3.301397	2.3	1647.077
Si	28	2	H2	362.954926	7.3	1266248.127
K	39	1	He	62.093886	2.6	174427.780
Ca	43	1	He	2343.737444	1.7	8743.083
Ca	44	1	He	2382.002463	2.1	148806.303
Ti	47	1	He	0.068789	25.9	30.000
V	51	1	He	-0.019802		-1536.983
Cr	52	1	He	0.073506	6.7	1262.050
Mn	55	1	He	0.183798	3.4	2292.153
Fe	56	1	He	2.981514	2.1	44025.937
Co	59	1	He	-0.000595		70.000
Ni	60	1	He	-0.127649		156.000
Cu	63	1	He	0.547288	3.1	5947.003
Zn	66	1	He	0.641962	5.7	1552.077
As	75	1	He	0.012886	28.8	231.167
Se	78	2	H2	0.030583	16.6	40.667
Sr	88	1	He	6.827070	0.7	108253.943
Mo	95	1	He	0.008954	21.6	76.667
Pd	105	1	He	0.003765	130.3	66.667
Ag	107	1	He	1.288653	84.6	26579.257
Cd	111	1	He	0.002343	127.2	11.643
Sn	118	1	He	0.149596	1.6	1646.767
Sb	121	1	He	0.002879	48.3	115.000
Ba	138	1	He	0.580071	1.1	19242.737
Pt	195	1	He	0.002216	57.7	103.333
Hg	202	1	He	0.009398	20.4	123.333
Tl	205	1	He	-0.004464		441.677
Pb	206	1	He	0.026615	23.1	485.013
Pb	207	1	He	0.018982	40.4	1056.717
Pb	208	1	He	0.024038	9.1	2513.437
Bi	209	1	He	0.000558	720.7	1366.757
Th	232	1	He	0.001562	39.1	151.667
U	238	1	He	0.012787	10.5	951.703

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.05692068	809906.480
Sc	45	2	H2	74.83893653	5015834.000
Ge	72	1	He	73.45400360	497387.510
Ge	72	2	H2	75.50324948	1369518.333
In	115	1	He	78.55458994	5726153.150
Tb	159	1	He	81.57302757	13208483.550
Ir	193	1	He	80.51036139	6293673.657

Sample Name	10607799017_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	308SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:36:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.998898	1.0	3202.607
Be	9	2	H2	0.016862	84.0	12.000
B	11	2	H2	13.625797	7.1	8472.097
Na	23	1	He	9475.504893	0.9	12983410.640
Mg	24	1	He	85189.61930	0.9	64779839.033
Al	27	1	He	39.353865	0.4	16384.557
Si	28	2	H2	6001.054001	6.8	18347872.667
K	39	1	He	2620.826065	0.5	3060359.533
Ca	43	1	He	240239.9256	0.4	835459.723
Ca	44	1	He	246085.7723	1.4	14331024.530
Ti	47	1	He	1.631279	11.4	611.347
V	51	1	He	3.847156	1.2	32720.837
Cr	52	1	He	1.066463	1.9	11661.107
Mn	55	1	He	2266.766473	0.6	18081498.667
Fe	56	1	He	1473.772924	0.6	14238109.000
Co	59	1	He	2.547298	1.4	37995.840
Ni	60	1	He	72.928167	0.8	266357.980
Cu	63	1	He	1.052955	1.3	10109.520
Zn	66	1	He	113.169310	1.3	219197.797
As	75	1	He	17.739353	1.3	28313.197
Se	78	2	H2	76.788085	1.4	60368.620
Sr	88	1	He	421.393054	1.2	6068245.117
Mo	95	1	He	1.038763	2.1	6112.797
Pd	105	1	He	0.070764	13.0	676.697
Ag	107	1	He	1.324143	73.1	24953.503
Cd	111	1	He	1.114929	7.7	3890.313
Sn	118	1	He	0.137058	1.1	1383.403
Sb	121	1	He	0.220575	7.5	2705.240
Ba	138	1	He	37.922816	0.9	1179403.107
Pt	195	1	He	0.009922	53.3	186.673
Hg	202	1	He	0.004877	71.4	90.000
Tl	205	1	He	0.226718	2.6	10191.633
Pb	206	1	He	0.150865	3.8	2241.837
Pb	207	1	He	0.132870	11.0	2363.533
Pb	208	1	He	0.144988	2.1	9222.757
Bi	209	1	He	0.008112	53.8	1626.790
Th	232	1	He	0.020975	18.0	1353.403
U	238	1	He	1.620758	1.5	103617.273

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.10236366	755722.107
Sc	45	2	H2	65.95656557	4420522.250
Ge	72	1	He	66.22404160	448430.440
Ge	72	2	H2	66.94657699	1214312.830
In	115	1	He	71.46106071	5209077.893
Tb	159	1	He	76.99005233	12466398.147
Ir	193	1	He	74.94965843	5858981.163

Sample Name	10607799017_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	309SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:39:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.306980	9.1	231.833
Be	9	2	H2	0.011123	107.0	10.333
B	11	2	H2	-1.179290		1650.117
Na	23	1	He	479.109232	0.8	704764.363
Mg	24	1	He	4363.582975	1.2	3501545.260
Al	27	1	He	3.438181	5.6	1680.080
Si	28	2	H2	320.953541	4.6	1104679.667
K	39	1	He	149.220926	1.0	275680.647
Ca	43	1	He	12088.83749	1.1	44339.450
Ca	44	1	He	12477.59069	1.0	766405.880
Ti	47	1	He	0.107337	36.4	44.667
V	51	1	He	0.189048	54.0	434.363
Cr	52	1	He	0.082076	4.7	1337.387
Mn	55	1	He	113.124803	0.4	952255.047
Fe	56	1	He	76.998272	1.3	796724.167
Co	59	1	He	0.124470	4.3	2101.463
Ni	60	1	He	3.611258	1.6	15026.970
Cu	63	1	He	0.268803	2.7	2997.593
Zn	66	1	He	6.267138	1.4	13413.720
As	75	1	He	0.856730	3.9	1688.083
Se	78	2	H2	3.472432	3.8	3062.600
Sr	88	1	He	20.440073	0.9	318106.917
Mo	95	1	He	0.057541	9.1	386.677
Pd	105	1	He	0.008212	41.5	110.000
Ag	107	1	He	1.191168	79.2	24234.960
Cd	111	1	He	0.052840	7.9	201.550
Sn	118	1	He	0.144228	11.0	1565.090
Sb	121	1	He	0.012982	15.6	243.337
Ba	138	1	He	1.896876	0.3	62294.360
Pt	195	1	He	0.007445	21.9	166.667
Hg	202	1	He	0.001362	415.5	73.333
Tl	205	1	He	0.004221	28.4	826.693
Pb	206	1	He	0.036793	6.9	636.687
Pb	207	1	He	0.032305	22.6	1220.060
Pb	208	1	He	0.037146	10.9	3283.490
Bi	209	1	He	-0.001210		1276.740
Th	232	1	He	0.002296	20.5	201.667
U	238	1	He	0.078682	2.7	5491.007

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.87063474	796932.937
Sc	45	2	H2	73.77163819	4944301.833
Ge	72	1	He	72.29128791	489514.280
Ge	72	2	H2	74.77426300	1356295.587
In	115	1	He	77.18709304	5626470.920
Tb	159	1	He	81.13986687	13138345.220
Ir	193	1	He	80.76272086	6313401.157

Sample Name	10607799018_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	310SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:43:14
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	7.113009	2.1	3863.563
Be	9	2	H2	0.214127	11.1	102.667
B	11	2	H2	95.213395	3.5	47881.600
Na	23	1	He	11404.84231	1.2	16107095.177
Mg	24	1	He	153523.4697	1.2	120346944.873
Al	27	1	He	2976.946690	0.9	1264056.040
Si	28	2	H2	10518.36404	5.6	32753536.000
K	39	1	He	2834.699295	1.1	3404569.427
Ca	43	1	He	313836.0210	0.8	1125116.110
Ca	44	1	He	317894.3829	1.3	19084752.780
Ti	47	1	He	71.909338	1.4	27678.963
V	51	1	He	93.563839	0.9	850659.673
Cr	52	1	He	29.589887	1.4	322470.377
Mn	55	1	He	1067.668251	1.3	8779935.667
Fe	56	1	He	14148.92305	0.7	140808650.667
Co	59	1	He	10.402779	1.0	157484.630
Ni	60	1	He	757.022419	1.1	2804317.167
Cu	63	1	He	132.488258	0.1	1264804.543
Zn	66	1	He	7832.181665	0.7	15408306.000
As	75	1	He	21.300378	0.2	34516.537
Se	78	2	H2	551.589097	0.7	444834.137
Sr	88	1	He	595.911650	1.6	8574599.873
Mo	95	1	He	2.827339	1.9	16879.930
Pd	105	1	He	0.190788	17.3	1776.803
Ag	107	1	He	1.610917	67.0	30268.693
Cd	111	1	He	32.211004	1.0	112233.737
Sn	118	1	He	0.554640	2.8	5202.500
Sb	121	1	He	1.950249	2.6	23349.367
Ba	138	1	He	118.971577	1.6	3760827.443
Pt	195	1	He	0.009649	12.8	186.673
Hg	202	1	He	0.066362	21.0	456.683
Tl	205	1	He	6.773838	3.0	291757.573
Pb	206	1	He	18.886836	1.6	275767.147
Pb	207	1	He	17.232080	1.7	210810.220
Pb	208	1	He	17.624255	1.5	1015683.700
Bi	209	1	He	0.092517	4.9	5477.730
Th	232	1	He	1.012092	0.8	63375.530
U	238	1	He	3.941441	0.8	252345.743

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.23853532	779083.857
Sc	45	2	H2	67.23077818	4505922.167
Ge	72	1	He	67.30549314	455753.397
Ge	72	2	H2	68.69474997	1246022.127
In	115	1	He	71.41020115	5205370.540
Tb	159	1	He	78.27119232	12673843.143
Ir	193	1	He	75.08672226	5869695.747

Sample Name	10607799018_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	311SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:46:52
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.394979	6.6	284.500
Be	9	2	H2	0.009893	76.8	9.833
B	11	2	H2	3.757778	9.4	4270.570
Na	23	1	He	588.967853	1.2	862662.880
Mg	24	1	He	8063.657297	1.8	6463326.360
Al	27	1	He	153.834963	1.5	66941.283
Si	28	2	H2	584.208075	6.5	2010260.667
K	39	1	He	164.409197	1.0	293578.847
Ca	43	1	He	16024.45988	0.9	58724.950
Ca	44	1	He	16431.13930	0.8	1008391.237
Ti	47	1	He	3.695046	3.9	1456.067
V	51	1	He	4.674015	1.0	42172.327
Cr	52	1	He	1.533659	2.0	17484.430
Mn	55	1	He	55.207427	1.0	464710.540
Fe	56	1	He	747.837348	1.4	7619111.000
Co	59	1	He	0.517733	0.6	8488.680
Ni	60	1	He	38.536869	1.0	153884.000
Cu	63	1	He	7.047939	1.5	72460.430
Zn	66	1	He	406.529035	1.0	858740.293
As	75	1	He	0.997337	1.1	1930.440
Se	78	2	H2	23.952410	2.2	21189.587
Sr	88	1	He	28.854762	0.4	445191.943
Mo	95	1	He	0.134393	7.9	878.363
Pd	105	1	He	0.014745	37.7	173.340
Ag	107	1	He	1.185580	81.1	23944.900
Cd	111	1	He	1.719798	6.0	6424.320
Sn	118	1	He	0.159541	11.9	1701.770
Sb	121	1	He	0.096650	3.4	1311.730
Ba	138	1	He	5.963354	0.9	194624.887
Pt	195	1	He	0.003678	78.4	120.000
Hg	202	1	He	0.015039	32.8	156.673
Tl	205	1	He	0.354992	1.1	16378.517
Pb	206	1	He	0.981086	2.0	14856.983
Pb	207	1	He	0.899564	2.6	12121.350
Pb	208	1	He	0.913182	1.4	55303.553
Bi	209	1	He	0.002415	116.9	1440.097
Th	232	1	He	0.046420	3.5	3160.360
U	238	1	He	0.185163	2.4	12776.977

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.81107940	796281.623
Sc	45	2	H2	74.05021208	4962972.333
Ge	72	1	He	72.25358234	489258.960
Ge	72	2	H2	75.33131810	1366399.750
In	115	1	He	76.53252756	5578757.067
Tb	159	1	He	80.75420840	13075898.553
Ir	193	1	He	80.48506468	6291696.157

Sample Name	10607799019_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	312SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:50:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.508697	2.9	2976.907
Be	9	2	H2	0.014410	77.0	11.000
B	11	2	H2	20.015382	8.1	11610.523
Na	23	1	He	11726.64038	1.7	16250219.760
Mg	24	1	He	64992.86330	1.9	49991815.923
Al	27	1	He	13.231585	3.9	5690.547
Si	28	2	H2	6227.380575	5.9	19222984.000
K	39	1	He	3086.509480	1.2	3629236.193
Ca	43	1	He	231977.9954	1.4	816045.560
Ca	44	1	He	234476.2496	2.1	13812082.497
Ti	47	1	He	0.476494	39.4	182.007
V	51	1	He	0.784415	13.4	5735.653
Cr	52	1	He	0.770711	1.7	8637.423
Mn	55	1	He	863.410581	1.9	6966956.833
Fe	56	1	He	217.531076	1.5	2136429.333
Co	59	1	He	1.305591	0.7	19722.773
Ni	60	1	He	134.549233	1.4	496236.230
Cu	63	1	He	0.660326	3.1	6491.857
Zn	66	1	He	474.404197	0.4	928450.647
As	75	1	He	1.192069	4.2	2100.293
Se	78	2	H2	187.440852	1.7	149641.103
Sr	88	1	He	521.561303	1.0	7501966.137
Mo	95	1	He	0.811636	2.8	4830.717
Pd	105	1	He	0.098894	21.2	933.387
Ag	107	1	He	1.010513	77.6	19188.863
Cd	111	1	He	3.003494	0.7	10463.500
Sn	118	1	He	0.043209	14.6	523.347
Sb	121	1	He	0.179503	3.4	2211.830
Ba	138	1	He	32.507368	0.5	1017202.850
Pt	195	1	He	0.020966	29.0	316.677
Hg	202	1	He	0.006481	69.7	100.000
Tl	205	1	He	0.891234	3.1	38524.563
Pb	206	1	He	0.056111	6.6	886.703
Pb	207	1	He	0.050200	18.2	1380.070
Pb	208	1	He	0.054942	11.4	4146.907
Bi	209	1	He	0.001593	414.6	1343.417
Th	232	1	He	0.007776	6.7	533.347
U	238	1	He	2.259512	0.4	145432.693

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.90830176	764536.063
Sc	45	2	H2	66.63978566	4466312.833
Ge	72	1	He	66.94419394	453306.890
Ge	72	2	H2	67.99954020	1233412.040
In	115	1	He	71.37953116	5203134.883
Tb	159	1	He	77.46511844	12543321.893
Ir	193	1	He	75.47306739	5899897.203

Sample Name	10607799019_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	313SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:53:59
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.271857	7.1	209.667
Be	9	2	H2	0.006140	44.1	7.833
B	11	2	H2	-0.803534		1843.463
Na	23	1	He	599.256816	0.6	876208.710
Mg	24	1	He	3377.575361	1.4	2704832.253
Al	27	1	He	1.967209	1.2	1039.030
Si	28	2	H2	334.737980	5.8	1145722.837
K	39	1	He	176.174248	1.7	307159.707
Ca	43	1	He	11806.17094	1.1	43205.460
Ca	44	1	He	12119.49933	1.4	742752.060
Ti	47	1	He	0.027731	55.4	13.333
V	51	1	He	-0.095899		-2216.313
Cr	52	1	He	0.064759	2.8	1142.040
Mn	55	1	He	44.031837	1.3	370235.897
Fe	56	1	He	11.749217	1.1	132269.647
Co	59	1	He	0.062521	1.0	1092.040
Ni	60	1	He	6.885044	2.1	27978.303
Cu	63	1	He	0.042769	1.5	678.683
Zn	66	1	He	25.020015	1.5	52904.187
As	75	1	He	0.063466	26.5	314.167
Se	78	2	H2	8.595368	0.8	7496.257
Sr	88	1	He	25.282034	1.1	395121.283
Mo	95	1	He	0.035331	37.7	243.337
Pd	105	1	He	0.004512	47.4	73.333
Ag	107	1	He	0.880624	83.2	18323.080
Cd	111	1	He	0.143349	4.0	544.940
Sn	118	1	He	0.114898	8.1	1280.063
Sb	121	1	He	0.009821	17.3	203.337
Ba	138	1	He	1.632882	1.2	53822.133
Pt	195	1	He	0.004421	116.4	130.003
Hg	202	1	He	0.011057	9.1	133.333
Tl	205	1	He	0.041036	6.5	2475.217
Pb	206	1	He	0.003293	66.4	130.000
Pb	207	1	He	-0.001240		798.363
Pb	208	1	He	0.002075	68.0	1193.370
Bi	209	1	He	-0.002698		1210.073
Th	232	1	He	0.000384	11.5	73.333
U	238	1	He	0.108600	2.7	7583.587

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.70546752	795126.623
Sc	45	2	H2	73.35597939	4916443.667
Ge	72	1	He	72.11250005	488303.633
Ge	72	2	H2	74.15830679	1345123.043
In	115	1	He	77.52551246	5651139.643
Tb	159	1	He	81.40881290	13181893.550
Ir	193	1	He	81.11988901	6341321.783

Sample Name	10607799020_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	314SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:57:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.449306	4.0	1903.430
Be	9	2	H2	0.012468	65.5	10.000
B	11	2	H2	2.927600	10.0	3490.407
Na	23	1	He	8492.982955	1.3	11463866.080
Mg	24	1	He	48641.17108	1.6	36432422.793
Al	27	1	He	13.188602	3.3	5523.497
Si	28	2	H2	62.885623	6.6	204866.923
K	39	1	He	1454.148243	0.8	1713232.840
Ca	43	1	He	165540.4828	0.9	567070.753
Ca	44	1	He	168553.6028	1.2	9668723.980
Ti	47	1	He	0.363099	25.2	136.000
V	51	1	He	0.162660	79.9	185.997
Cr	52	1	He	0.659474	2.0	7253.470
Mn	55	1	He	3203.014639	0.9	25167238.667
Fe	56	1	He	8485.630810	1.6	80689349.333
Co	59	1	He	0.072307	4.5	1138.040
Ni	60	1	He	0.599426	2.2	2764.890
Cu	63	1	He	0.281341	4.5	2837.570
Zn	66	1	He	2.304511	3.4	4575.937
As	75	1	He	0.269891	2.7	610.510
Se	78	2	H2	0.114708	9.8	104.000
Sr	88	1	He	493.375459	0.9	7075653.433
Mo	95	1	He	0.424878	3.7	2486.870
Pd	105	1	He	0.076140	6.4	723.367
Ag	107	1	He	0.906509	66.1	17319.937
Cd	111	1	He	0.032165	26.1	114.253
Sn	118	1	He	0.088422	8.5	935.037
Sb	121	1	He	0.027163	12.1	393.343
Ba	138	1	He	17.148523	0.6	539905.083
Pt	195	1	He	0.007686	94.7	163.337
Hg	202	1	He	0.008089	111.8	110.000
Tl	205	1	He	0.002077	47.8	701.690
Pb	206	1	He	0.123006	6.1	1865.130
Pb	207	1	He	0.115080	7.9	2175.167
Pb	208	1	He	0.117101	2.1	7735.760
Bi	209	1	He	0.001687	86.7	1356.750
Th	232	1	He	0.007772	7.1	533.343
U	238	1	He	0.015411	6.8	1061.713

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.07445164	744480.583
Sc	45	2	H2	67.41688452	4518395.333
Ge	72	1	He	65.63356577	444432.083
Ge	72	2	H2	68.11418121	1235491.460
In	115	1	He	71.17405247	5188156.733
Tb	159	1	He	77.93365108	12619187.727
Ir	193	1	He	75.52029751	5903589.287

Sample Name	10607799020_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	315SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 05:01:09
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.142496	22.5	135.833
Be	9	2	H2	0.008268	37.8	9.000
B	11	2	H2	-1.749403		1360.080
Na	23	1	He	426.121472	1.6	626220.643
Mg	24	1	He	2481.524221	2.4	1985854.290
Al	27	1	He	1.751474	3.8	944.693
Si	28	2	H2	4.089993	7.4	23498.337
K	39	1	He	91.425788	3.0	205980.187
Ca	43	1	He	8260.834345	1.2	30202.740
Ca	44	1	He	8558.635739	1.3	524020.477
Ti	47	1	He	0.036355	22.4	16.667
V	51	1	He	0.006684	471.4	-1263.417
Cr	52	1	He	0.054234	3.8	1024.030
Mn	55	1	He	164.137347	1.9	1376800.420
Fe	56	1	He	437.117313	2.0	4447707.500
Co	59	1	He	0.001095	141.8	95.333
Ni	60	1	He	-0.101195		256.000
Cu	63	1	He	0.033717	15.2	581.343
Zn	66	1	He	0.246214	13.1	684.017
As	75	1	He	-0.002929		198.000
Se	78	2	H2	0.011581	42.2	23.333
Sr	88	1	He	23.613341	2.6	368663.733
Mo	95	1	He	0.025576	19.2	180.000
Pd	105	1	He	0.005852	40.2	86.667
Ag	107	1	He	2.232251	80.0	45206.517
Cd	111	1	He	0.001075	73.3	6.613
Sn	118	1	He	0.119003	2.2	1320.060
Sb	121	1	He	0.001340	122.6	93.333
Ba	138	1	He	0.859861	0.5	28627.697
Pt	195	1	He	0.004320	85.4	130.003
Hg	202	1	He	0.006589	85.2	106.667
Tl	205	1	He	-0.007262		318.340
Pb	206	1	He	0.009653	28.7	228.333
Pb	207	1	He	0.007643	56.7	918.367
Pb	208	1	He	0.009260	15.6	1636.710
Bi	209	1	He	-0.000660		1316.753
Th	232	1	He	0.000562	48.7	85.000
U	238	1	He	0.001468	79.9	175.003

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.63570943	794363.730
Sc	45	2	H2	74.22705277	4974824.500
Ge	72	1	He	71.52409863	484319.323
Ge	72	2	H2	73.78996117	1338441.793
In	115	1	He	77.45181218	5645767.340
Tb	159	1	He	82.05259947	13286136.883
Ir	193	1	He	80.83740106	6319239.073

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	316_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 05:04:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	73.406492	5.9	42035.043
Be	9	2	H2	73.719153	5.2	35959.373
B	11	2	H2	69.176353	4.8	37655.103
Na	23	1	He	2002.011213	2.2	2812183.083
Mg	24	1	He	1976.240115	2.9	1537465.913
Al	27	1	He	1919.111012	1.6	807565.937
Si	28	2	H2	946.607135	6.0	3146172.000
K	39	1	He	2049.555684	1.5	2465469.753
Ca	43	1	He	1927.917079	2.2	6856.570
Ca	44	1	He	1967.383083	1.0	117183.573
Ti	47	1	He	75.899432	2.5	28946.977
V	51	1	He	80.532811	1.5	725367.563
Cr	52	1	He	80.627726	1.7	870000.290
Mn	55	1	He	82.109539	1.2	669781.250
Fe	56	1	He	1021.943706	2.2	10089031.333
Co	59	1	He	80.956582	1.2	1289605.163
Ni	60	1	He	81.579120	1.5	318691.323
Cu	63	1	He	83.395361	1.3	838120.980
Zn	66	1	He	79.670290	1.0	165165.327
As	75	1	He	77.378656	1.2	131460.393
Se	78	2	H2	76.259763	1.8	64761.860
Sr	88	1	He	73.537413	1.1	1105014.800
Mo	95	1	He	80.766531	1.9	507014.407
Pd	105	1	He	75.473615	0.3	723836.993
Ag	107	1	He	40.048039	5.7	766345.923
Cd	111	1	He	75.935074	0.8	276274.097
Sn	118	1	He	75.388068	1.4	720199.183
Sb	121	1	He	72.377788	0.6	902126.157
Ba	138	1	He	77.847073	1.7	2504804.023
Pt	195	1	He	76.158316	1.3	912054.543
Hg	202	1	He	3.469894	1.0	21017.393
Tl	205	1	He	40.001547	1.9	1750482.370
Pb	206	1	He	79.007844	1.6	1173981.780
Pb	207	1	He	82.520795	2.0	1024499.827
Pb	208	1	He	80.882744	2.4	4740132.507
Bi	209	1	He	83.943055	2.4	3871539.217
Th	232	1	He	77.595963	0.3	5138633.047
U	238	1	He	75.375619	0.5	5105661.483

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.60180451	772120.397
Sc	45	2	H2	71.64818468	4801984.333
Ge	72	1	He	70.85862024	479813.093
Ge	72	2	H2	72.33296661	1312014.047
In	115	1	He	74.56274031	5435171.523
Tb	159	1	He	79.67531318	12901201.473
Ir	193	1	He	79.46385527	6211865.950

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	317_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 05:08:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.003682	221.7	46.833
Be	9	2	H2	0.022116	6.6	14.167
B	11	2	H2	-1.379362		1363.417
Na	23	1	He	0.478528	25.5	13391.583
Mg	24	1	He	-1.400080		1455.070
Al	27	1	He	1.106462	4.5	645.677
Si	28	2	H2	0.822843	112.0	10715.033
K	39	1	He	21.811038	13.8	119455.580
Ca	43	1	He	3.439263	33.1	19.780
Ca	44	1	He	2.546835	28.9	284.513
Ti	47	1	He	0.013050	44.2	7.333
V	51	1	He	-0.049193		-1733.967
Cr	52	1	He	-0.003659		370.010
Mn	55	1	He	-0.009913		604.680
Fe	56	1	He	0.216202	21.8	14670.640
Co	59	1	He	0.002785	61.3	120.000
Ni	60	1	He	-0.138358		107.333
Cu	63	1	He	0.003249	147.3	266.000
Zn	66	1	He	0.060410	14.4	289.333
As	75	1	He	0.008787	66.1	213.333
Se	78	2	H2	0.028987	42.4	34.000
Sr	88	1	He	0.010952	27.4	343.340
Mo	95	1	He	0.045881	20.5	301.673
Pd	105	1	He	0.005072	13.6	76.667
Ag	107	1	He	1.278798	63.3	25215.293
Cd	111	1	He	0.003828	19.2	16.577
Sn	118	1	He	0.031527	21.0	440.010
Sb	121	1	He	0.011311	39.4	216.670
Ba	138	1	He	0.006613	29.2	335.010
Pt	195	1	He	0.002808	60.7	106.667
Hg	202	1	He	0.022588	44.1	196.670
Tl	205	1	He	0.042118	17.8	2440.213
Pb	206	1	He	0.008735	46.5	205.000
Pb	207	1	He	-0.000573		778.367
Pb	208	1	He	0.006298	28.1	1395.043
Bi	209	1	He	0.005115	16.8	1523.443
Th	232	1	He	0.009794	21.2	690.023
U	238	1	He	0.006297	10.1	496.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.48551715	770848.647
Sc	45	2	H2	65.63562730	4399012.417
Ge	72	1	He	70.00689668	474045.720
Ge	72	2	H2	65.73052674	1192255.460
In	115	1	He	75.25817567	5485864.543
Tb	159	1	He	78.59088032	12725607.727
Ir	193	1	He	79.03035992	6177978.657

Prep Log Report

Batch Information: MPRP 812961 6020BW_P

Template Version: ENV-EPL-MIN4-0013-Rev.00 (13Dec2020)

Prep Method	EPA 3020A	Analysis Method	EPA 6020B	Prepared By	HTV	Block ID	10MET49
Thermometer ID	200650896	Correction Factor (C)	-0.9	Block Temp (C)	97.7	Corrected Temp. (C)	96.80
Digestion Start Date/Time	05/04/2022 11:20:20:456	Digestion End Date/Time	05/04/2022 17:00:50:369	Block End Temp (C)	96.9	Corrected End Temp. (C)	96.00
Digestion Vessel	360406	Metals Pipette 1	Q705	Metals Pipette 2		Bottle Disp. 1	Q780
Bottle Disp. 2	Q592	Reviewed By	NJ1	Reviewed By Date	05/04/2022 20:29	Batch Notes	

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Matrix	Initial Volume (mL)	Conc. HNO3 (mL)	Conc. HCL (mL)	Final Volume (mL)	Sample Notes	METALS-STK1 (mL)	METALS-STK2 (mL)
6020BW_P	BLANK	**4310637**	Water	25	357589 (0.5)	363604 (0.25)	25			
6020BW_P	LCS	**4310638**	Water	25	357589 (0.5)	363604 (0.25)	25		343312 (.025)	343319 (.025)
6020BW_P	PS	**10606561001**	Water	25	357589 (0.5)	363604 (0.25)	25			
6020BW_P	PS	**10606561001**	Water	25	357589 (0.5)	363604 (0.25)	25			
6020BW_P	MS	**4310639**	Water	25	357589 (0.5)	363604 (0.25)	25		343312 (.025)	343319 (.025)
6020BW_P	MSD	**4310640**	Water	25	357589 (0.5)	363604 (0.25)	25		343312 (.025)	343319 (.025)
6020BW_P	PS	**10606563001**	Water	25	357589 (0.5)	363604 (0.25)	25			

Standard Notes:

343312: ZPACEMN-116 (MIX 1)

343319: ZPACEMN-106

SAMPLE NO.

EB02-042822-02

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Lab Sample ID: 10606561001 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury	ND	U	ug/L	1	05/10/2022 13:22

FORM II INORGANIC-1

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Initial Calibration Verification Source: 365348

Continuing Calibration Verification Source: 365348

Concentration Units: ug/L Instrument ID: 10HG08

	Initial Calibration Verification				Continuing Calibration Verification						
	05/10/2022 12:39				05/10/2022 12:56			05/10/2022 13:11			Control Limit
Analyte	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	
Mercury	5.0	4.9	98.8	90-110	5.0	4.9	97.8	5.0	5.1	101.4	90-110

FORM II INORGANIC-2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Initial Calibration Verification Source:

Continuing Calibration Verification Source: 365348

Concentration Units: ug/L Instrument ID: 10HG08

	Continuing Calibration Verification			
	05/10/2022 13:27			Control Limit
Analyte	True	Found	%R	
Mercury	5.0	5.1	101.2	90-110

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

CRDL Check Standard Source: 365084,365343 Analysis Date/Time: 05/10/2022 12:42

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Mercury	0.2	0.16	79.0	70-130

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

CRDL Check Standard Source: 365084,365343 Analysis Date/Time: 05/10/2022 12:55

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Mercury	0.2	0.15	77.0	70-130

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

CRDL Check Standard Source: 365084,365343 Analysis Date/Time: 05/10/2022 13:25

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Mercury	0.2	0.16	77.5	70-130

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract : D3593500

Method Blank Matrix: Water Instrument ID: 10HG08

Method Blank Concentration Units: ug/L

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Method Blank	
	05/10/2022 12:41	C	05/10/2022 12:58	C	05/10/2022 13:12	C	05/10/2022 13:28	C	4310706	C
Mercury	0.095	U	0.095	U	0.095	U	0.095	U	ND	U

SAMPLE NO.

4310708MS

FORM V INORGANIC-1

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Matrix: Water Basis: Wet Parent Sample ID: 10606199002

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Mercury	ug/L	80-120	5.1	<0.095	5.0	102

SAMPLE NO.

4310709MSD

FORM V INORGANIC-2

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Matrix: Water Basis: Wet Parent Sample ID: 10606199002

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Mercury	ug/L	80-120	5.2	<0.095	5.0	103

SAMPLE NO.

4310709MSD

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Matrix: Water Concentration Units: ug/L

Percent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Mercury	20	5.1	5.2	1

SAMPLE NO.

4310707LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Mercury	ug/L	5.0	5.2	103	80	120

FORM IX INORGANIC-1
INSTRUMENT DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Preparation Method: None Instrument ID: 10HG08

Concentration Units: ug/L

Analyte	PQL	IDL	IDL Date
Mercury	0.20	0.095	05/05/2022

FORM IX INORGANIC-2
METHOD DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Preparation Method: EPA 7470A Instrument ID: 10HG08

Concentration Units: ug/L

Analyte	PQL	MDL	MDL Date
Mercury	0.20	0.095	05/05/2022

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Preparation Method: EPA 7470A Batch: MERP 37115

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
4310706	4310706	05/05/2022	30	30
4310707	4310707	05/05/2022	30	30
4310708	4310708	05/05/2022	30	30
4310709	4310709	05/05/2022	30	30
10606561001	EB02-042822-02	05/05/2022	30	30

FORM XIII INORGANIC-1

ANALYSIS RUN LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Instrument ID: 10HG08 Analysis Method: EPA 7470A

Start Date: 05/10/2022 12:30 End Date: 05/10/2022 13:28

Sample Name	Lab Sample ID	D/F	Date	Time	Hg
29937919CAL0	29937919CAL0	1	05/10/2022	12:30	X
29937920CAL1	29937920CAL1	1	05/10/2022	12:31	X
29937922CAL2	29937922CAL2	1	05/10/2022	12:33	X
29937923CAL3	29937923CAL3	1	05/10/2022	12:34	X
29937924CAL4	29937924CAL4	1	05/10/2022	12:36	X
29937925CAL5	29937925CAL5	1	05/10/2022	12:37	X
29937927ICV	29937927ICV	1	05/10/2022	12:39	X
29937928ICB	29937928ICB	1	05/10/2022	12:41	X
29937929CRDL	29937929CRDL	1	05/10/2022	12:42	X
29937931CRDL	29937931CRDL	1	05/10/2022	12:55	X
29937932CCV	29937932CCV	1	05/10/2022	12:56	X
29937933CCB	29937933CCB	1	05/10/2022	12:58	X
4310706BLANK	4310706	1	05/10/2022	12:59	X
4310707LCS	4310707	1	05/10/2022	13:01	X
10606199002	10606199002	1	05/10/2022	13:04	X
4310708MS	4310708	1	05/10/2022	13:05	X
4310709MSD	4310709	1	05/10/2022	13:06	X
29937939CCV	29937939CCV	1	05/10/2022	13:11	X
29937941CCB	29937941CCB	1	05/10/2022	13:12	X
EB02-042822-02	10606561001	1	05/10/2022	13:22	X
29937945CRDL	29937945CRDL	1	05/10/2022	13:25	X
29937946CCV	29937946CCV	1	05/10/2022	13:27	X
29937947CCB	29937947CCB	1	05/10/2022	13:28	X

Report Generated By Teledyne Leeman QuickTrace

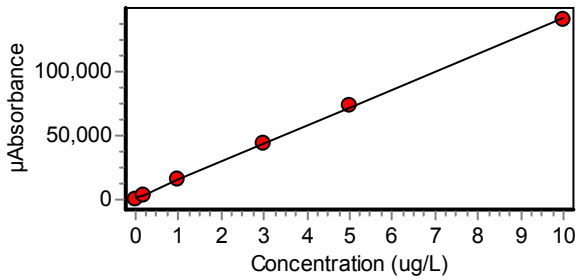
Analyst: 10metalsuser,LENA WIGER
Worksheet file: S:\DATA\Metals\10HG08\10MAY22WATERS10HG08.wszf
Creation Date: 5/10/2022 12:11:06 PM
Comment: EPA 7470A

Results

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
CAL0	STD	05/10/22 12:30:15 pm	0.000	490	3.24			N/A
Replicates	505.4	480.7	501.2	472.5				
CAL1	STD	05/10/22 12:31:42 pm	0.200	3606	0.68	-18.65%		N/A
Replicates	3616.0	3621.3	3616.6	3569.3				
CAL2	STD	05/10/22 12:33:09 pm	1.000	15472	0.46	0.78%		N/A
Replicates	15458.1	15508.1	15543.4	15380.4				
CAL3	STD	05/10/22 12:34:36 pm	3.000	44383	0.55	2.22%		N/A
Replicates	44336.9	44574.1	44566.6	44052.6				
CAL4	STD	05/10/22 12:36:03 pm	5.000	72717	0.52	1.69%		N/A
Replicates	72665.4	73018.0	72986.2	72198.0				
CAL5	STD	05/10/22 12:37:31 pm	10.000	140870	0.52	-0.62%		N/A
Replicates	140729.4	141463.0	141399.0	139890.3				

Calibration

Equation: Abs = 14042.225x + 1321.237
R2: 0.99972 RSE: 10.90%
SEE: 1002.0390
Flags:



ICV	ICV	05/10/22 12:39:38 pm	4.940	70721	0.52			98.85
Replicates	70412.6	70900.8	71147.0	70425.5				
ICB	ICB	05/10/22 12:41:06 pm	-0.061	463	2.97			N/A
Replicates	443.6	443.2	468.7	496.9				
CRDL	CRDL	05/10/22 12:42:32 pm	0.158	3539	2.74			78.97
Replicates	3515.1	3525.8	3627.0	3488.0				
4312925_43588	UNK	05/10/22 12:46:40 pm	0.015	1537	9.69			N/A
Replicates	1534.2	1566.9	1528.4	1518.7				
4312926_43588	UNK	05/10/22 12:48:06 pm	5.120	73282	0.64			N/A
Replicates	73470.0	73585.2	73474.4	72596.7				
10606797001_43588	UNK	05/10/22 12:49:32 pm	0.001	1337	97.42			N/A
Replicates	1345.2	1350.3	1315.0	1338.5				
4312927_43588	UNK	05/10/22 12:50:59 pm	4.850	69371	0.62			N/A
Replicates	69540.2	69664.6	69533.6	68747.3				

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
4312928_43588					UNK	05/10/22 12:52:25 pm	5.240	74856	0.57			N/A
	Replicates	74995.2	75173.6	75023.3	74233.6							
LB					UNK	05/10/22 12:53:52 pm	-0.001	1311	156.14			N/A
	Replicates	1302.7	1303.5	1334.8	1303.5							
CRDL					CRDL	05/10/22 12:55:19 pm	0.154	3482	1.72			76.95
	Replicates	3490.3	3530.5	3443.7	3465.2							
CCV					CCV	05/10/22 12:56:47 pm	4.890	69919	0.43			97.70
	Replicates	69726.0	70079.7	70251.9	69616.4							
CCB					CCB	05/10/22 12:58:15 pm	-0.059	486	3.18			N/A
	Replicates	470.8	484.1	523.6	464.4							
4310706_43586					UNK	05/10/22 12:59:42 pm	-0.055	543	2.25			N/A
	Replicates	545.4	563.1	520.4	543.9							
4310707_43586					UNK	05/10/22 01:01:09 pm	5.150	73591	0.51			N/A
	Replicates	73681.0	73817.4	73816.9	73046.6							
10606199001_43586					UNK	05/10/22 01:02:36 pm	-0.057	528	2.65			N/A
	Replicates	547.1	508.3	545.0	511.0							
10606199002_43586					UNK	05/10/22 01:04:03 pm	-0.056	534	1.59			N/A
	Replicates	524.8	543.6	545.4	521.1							
4310708_43586					UNK	05/10/22 01:05:31 pm	5.090	72831	0.53			N/A
	Replicates	72877.8	73134.2	73030.2	72281.0							
4310709_43586					UNK	05/10/22 01:06:58 pm	5.150	73622	0.58			N/A
	Replicates	73645.9	73963.9	73853.4	73025.4							
10606199003_43586					UNK	05/10/22 01:08:24 pm	-0.058	505	1.26			N/A
	Replicates	500.1	520.1	501.6	497.9							
10606631001_43586					UNK	05/10/22 01:09:50 pm	-0.055	549	3.24			N/A
	Replicates	540.7	523.7	583.2	548.4							
CCV					CCV	05/10/22 01:11:18 pm	5.070	72518	0.40			101.40
	Replicates	72340.0	72707.3	72808.1	72216.3							
CCB					CCB	05/10/22 01:12:47 pm	-0.060	477	1.59			N/A
	Replicates	470.0	465.9	477.4	496.1							
10606632001_43586					UNK	05/10/22 01:14:13 pm	-0.056	539	3.54			N/A
	Replicates	576.7	510.3	533.3	535.0							
10606633001_43586					UNK	05/10/22 01:15:40 pm	-0.049	636	4.73			N/A
	Replicates	645.0	657.1	654.1	588.1							
10606772001_43586					UNK	05/10/22 01:17:06 pm	-0.055	548	1.61			N/A
	Replicates	538.1	566.0	542.0	546.0							
10606782001_43586					UNK	05/10/22 01:18:33 pm	-0.055	544	1.50			N/A
	Replicates	544.8	560.4	534.9	536.7							

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual Flags	% Recovery
10606806001_43586				UNK	05/10/22 01:20:00 pm	-0.053	583	1.96		N/A
Replicates	589.4	588.3	561.5	593.0						
10606807001_43586				UNK	05/10/22 01:21:27 pm	-0.057	519	3.90		N/A
Replicates	565.1	512.5	498.8	500.3						
10606561001_43586				UNK	05/10/22 01:22:54 pm	-0.060	480	1.87		N/A
Replicates	485.7	456.4	488.9	488.6						
10606563001_43586				UNK	05/10/22 01:24:21 pm	-0.057	521	0.72		N/A
Replicates	519.3	523.6	514.1	527.6						
CRDL				CRDL	05/10/22 01:25:48 pm	0.155	3499	1.09		77.54
Replicates	3506.0	3524.2	3498.7	3467.2						
CCV				CCV	05/10/22 01:27:16 pm	5.060	72347	0.40		101.16
Replicates	72136.5	72471.4	72692.4	72086.6						
CCB				CCB	05/10/22 01:28:44 pm	-0.057	515	2.95		N/A
Replicates	529.5	540.5	494.3	494.8						
4312199_43585				UNK	05/10/22 01:30:11 pm	-0.058	506	1.94		N/A
Replicates	506.6	502.8	526.0	487.5						
4312200_43585				UNK	05/10/22 01:31:39 pm	5.390	76944	0.43		N/A
Replicates	76926.5	77167.5	77196.5	76486.2						
10606802001_43585				UNK	05/10/22 01:33:05 pm	-0.038	786	9.11		N/A
Replicates	804.3	840.2	772.5	725.2						
4312201_43585				UNK	05/10/22 01:34:31 pm	4.940	70635	0.66		N/A
Replicates	70847.4	70960.2	70779.4	69953.4						
4312202_43585				UNK	05/10/22 01:35:57 pm	4.890	69987	0.53		N/A
Replicates	70120.1	70230.0	70150.7	69447.2						
10606802002_43585				UNK	05/10/22 01:37:24 pm	-0.046	675	2.44		N/A
Replicates	662.8	697.9	667.1	671.9						
10606802003_43585				UNK	05/10/22 01:38:50 pm	-0.049	638	4.34		N/A
Replicates	613.4	679.4	620.2	639.7						
10606802004_43585				UNK	05/10/22 01:40:17 pm	-0.046	677	4.87		N/A
Replicates	713.5	689.6	662.9	641.4						
CCV				CCV	05/10/22 01:41:45 pm	5.020	71775	0.37		100.35
Replicates	71646.8	71964.4	72016.1	71472.9						
CCB				CCB	05/10/22 01:43:13 pm	-0.061	467	1.79		N/A
Replicates	459.5	483.5	474.0	449.0						
10606688001_43585				UNK	05/10/22 01:44:40 pm	-0.049	630	1.05		N/A
Replicates	628.0	624.1	640.3	626.6						
10606689001_43585				UNK	05/10/22 01:46:07 pm	-0.037	803	3.04		N/A
Replicates	821.0	798.3	808.8	783.8						

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual Flags	% Recovery
10606690001_43585	UNK	05/10/22 01:47:35 pm	-0.024	982	5.64		N/A
Replicates	974.0	971.0	1010.5	972.0			
CRDL	CRDL	05/10/22 01:49:01 pm	0.152	3455	1.34		75.97
Replicates	3471.6	3473.6	3461.1	3412.9			
CCV	CCV	05/10/22 01:50:29 pm	5.020	71795	0.38		100.37
Replicates	71605.2	71948.3	72092.8	71534.1			
CCB	CCB	05/10/22 01:51:58 pm	-0.060	473	2.33		N/A
Replicates	473.2	466.9	452.1	499.4			
4311594_43582	UNK	05/10/22 01:53:25 pm	-0.059	492	2.91		N/A
Replicates	523.9	494.9	482.1	467.1			
4311595_43582	UNK	05/10/22 01:54:53 pm	5.160	73809	0.42		N/A
Replicates	73840.1	73999.1	74022.8	73372.3			
10606414005_43582	UNK	05/10/22 01:56:20 pm	2.560	37255	0.41		N/A
Replicates	37247.8	37355.0	37370.5	37047.7			
4311596_43582	UNK	05/10/22 01:57:47 pm	7.930	112733	0.39		N/A
Replicates	112713.6	112988.2	113101.2	112130.2			
4311597_43582	UNK	05/10/22 01:59:13 pm	7.350	104468	0.40		N/A
Replicates	104567.8	104729.3	104723.8	103852.8			
10606414002_43582	UNK	05/10/22 02:00:39 pm	-0.051	611	3.49		N/A
Replicates	601.4	590.0	646.7	604.7			
10606414003_43582	UNK	05/10/22 02:02:06 pm	-0.041	740	6.80		N/A
Replicates	729.3	781.4	758.1	689.6			
10606414004_43582	UNK	05/10/22 02:03:32 pm	-0.026	952	3.22		N/A
Replicates	945.3	963.6	938.1	959.3			
10606414001_43582	UNK	05/10/22 02:04:59 pm	-0.055	547	3.09		N/A
Replicates	568.9	530.6	522.4	566.1			
4309481_43582	UNK	05/10/22 02:06:26 pm	-0.059	497	1.89		N/A
Replicates	493.9	507.3	510.8	476.5			
CRDL	CRDL	05/10/22 02:07:53 pm	0.156	3506	0.87		77.78
Replicates	3480.0	3525.9	3506.4	3510.4			
CCV	CCV	05/10/22 02:09:21 pm	5.030	72005	0.34		100.67
Replicates	71878.6	72096.6	72299.1	71746.6			
CCB	CCB	05/10/22 02:10:49 pm	-0.058	511	2.22		N/A
Replicates	490.0	511.3	510.0	534.0			
4315178_43598	UNK	05/10/22 02:12:16 pm	-0.055	543	1.67		N/A
Replicates	531.2	552.0	556.8	533.3			
4315179_43598	UNK	05/10/22 02:13:43 pm	5.250	75009	0.42		N/A
Replicates	75046.5	75178.6	75247.6	74562.1			

Sample Name		Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual Flags	% Recovery
10607172002_43598		UNK	05/10/22 02:16:13 pm	-0.052	583	1.98		N/A
Replicates	601.6	566.3	585.5	580.0				
10607172004_43598		UNK	05/10/22 02:17:41 pm	-0.055	553	2.60		N/A
Replicates	574.1	554.4	556.4	525.9				
4315180_43598		UNK	05/10/22 02:19:09 pm	5.150	73646	0.40		N/A
Replicates	73634.2	73833.7	73872.7	73242.9				
4315181_43598		UNK	05/10/22 02:20:35 pm	5.770	82340	0.44		N/A
Replicates	82394.8	82597.8	82547.8	81818.0				
10607172006_43598		UNK	05/10/22 02:22:01 pm	-0.057	516	1.76		N/A
Replicates	510.9	506.1	509.3	536.8				
10607172008_43598		UNK	05/10/22 02:23:28 pm	-0.057	525	2.43		N/A
Replicates	510.0	546.6	535.9	507.4				
10607047001_43598		UNK	05/10/22 02:24:54 pm	-0.050	615	2.72		N/A
Replicates	604.6	640.4	619.9	596.9				
CRDL		CRDL	05/10/22 02:26:21 pm	0.152	3451	1.02		75.82
Replicates	3441.0	3451.8	3480.0	3429.3				
CCV		CCV	05/10/22 02:27:49 pm	5.000	71493	0.37		99.94
Replicates	71270.4	71624.5	71799.8	71279.3				
CCB		CCB	05/10/22 02:29:17 pm	-0.057	522	1.40		N/A
Replicates	535.7	525.3	510.8	514.8				
4316370_43604		UNK	05/10/22 02:30:43 pm	-0.059	499	3.24		N/A
Replicates	473.4	536.4	492.4	493.4				
4316371_43604		UNK	05/10/22 02:32:09 pm	5.190	74191	0.38		N/A
Replicates	74202.0	74389.1	74378.9	73792.6				
92600870002_43604		UNK	05/10/22 02:33:36 pm	-0.053	575	2.38		N/A
Replicates	569.8	585.9	551.9	591.4				
4316372_43604		UNK	05/10/22 02:35:02 pm	5.100	72954	0.36		N/A
Replicates	72958.1	73088.3	73179.8	72589.1				
4316373_43604		UNK	05/10/22 02:36:29 pm	4.870	69774	0.42		N/A
Replicates	69858.1	69950.2	69937.7	69349.7				
CRDL		CRDL	05/10/22 02:37:55 pm	0.148	3402	0.65		74.10
Replicates	3407.5	3390.5	3418.8	3392.0				
CCV		CCV	05/10/22 02:39:23 pm	5.000	71590	0.32		100.08
Replicates	71489.5	71742.2	71801.4	71325.9				
CCB		CCB	05/10/22 02:40:52 pm	-0.060	483	3.01		N/A
Replicates	478.4	520.0	462.5	473.0				
4315092_43593		UNK	05/10/22 02:42:18 pm	-0.052	589	2.20		N/A
Replicates	592.8	588.0	607.8	568.8				

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
4315093_43593				UNK	05/10/22 02:43:45 pm	5.260	75191	0.37			N/A
Replicates	75155.8	75367.7	75418.9	74820.7							
10606884001_43593				UNK	05/10/22 02:45:12 pm	-0.054	558	3.58			N/A
Replicates	545.9	595.0	531.0	558.7							
10606884002_43593				UNK	05/10/22 02:46:39 pm	-0.051	612	3.37			N/A
Replicates	647.7	603.2	601.2	596.2							
10606884003_43593				UNK	05/10/22 02:48:07 pm	-0.050	619	3.40			N/A
Replicates	596.3	650.9	606.4	623.4							
4315094_43593				UNK	05/10/22 02:49:34 pm	4.980	71244	0.50			N/A
Replicates	71319.5	71501.1	71419.1	70734.9							
4315095_43593				UNK	05/10/22 02:51:02 pm	5.030	71931	0.45			N/A
Replicates	72041.9	72137.5	72082.3	71462.5							
10606884004_43593				UNK	05/10/22 02:52:28 pm	-0.056	533	2.34			N/A
Replicates	520.5	559.8	521.3	529.5							
CRDL				CRDL	05/10/22 02:53:54 pm	0.149	3416	0.49			74.57
Replicates	3410.1	3430.2	3414.7	3407.2							
CCV				CCV	05/10/22 02:55:22 pm	4.980	71314	0.30			99.69
Replicates	71177.1	71437.7	71540.7	71102.2							
CCB				CCB	05/10/22 02:56:51 pm	-0.059	490	2.93			N/A
Replicates	525.7	474.1	475.1	484.9							
4316382_43605				UNK	05/10/22 03:46:16 pm	-0.062	453	4.65			N/A
Replicates	483.1	478.2	454.2	395.2							
4316383_43605				UNK	05/10/22 03:47:43 pm	5.160	73790	0.30			N/A
Replicates	73689.4	73934.5	74007.0	73530.3							
10604827001_43605				UNK	05/10/22 03:49:09 pm	-0.062	453	2.61			N/A
Replicates	425.4	442.7	471.7	470.9							
4316384_43605				UNK	05/10/22 03:50:35 pm	4.990	71433	0.30			N/A
Replicates	71387.2	71535.9	71649.2	71160.4							
4316385_43605				UNK	05/10/22 03:52:02 pm	5.350	76385	0.35			N/A
Replicates	76237.5	76539.8	76663.5	76098.8							
10605098001_43605				UNK	05/10/22 03:53:29 pm	-0.017	1089	16.49			N/A
Replicates	1122.1	1081.0	1114.7	1038.2							
10606340004_43605				UNK	05/10/22 03:54:56 pm	93.300	1311093	0.04		O	N/A
Replicates	1310625.1	1311391.4	1311740.1	1310614.1							
10606340006_43605				UNK	05/10/22 04:00:36 pm	29.200	411697	0.29		O	N/A
Replicates	410812.5	412341.1	413048.1	410585.1							
10606340008_43605				UNK	05/10/22 04:04:32 pm	4.040	58074	0.31			N/A
Replicates	57995.7	58181.1	58249.9	57868.4							

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
CCV				CCV	05/10/22 04:06:00 pm	5.000	71489	0.34			99.94
	Replicates	71333.3	71618.2	71752.7	71251.7						
CCB				CCB	05/10/22 04:07:28 pm	-0.059	496	0.63			N/A
	Replicates	491.2	492.7	502.9	495.4						
10606945001_43605				UNK	05/10/22 04:08:55 pm	-0.054	562	7.16			N/A
	Replicates	550.4	501.3	633.0	564.0						
10606945002_43605				UNK	05/10/22 04:10:23 pm	-0.056	533	2.21			N/A
	Replicates	525.5	512.1	546.6	548.1						
10606945003_43605				UNK	05/10/22 04:11:51 pm	-0.058	504	2.80			N/A
	Replicates	500.8	536.2	482.7	495.7						
10607180001_43605				UNK	05/10/22 04:13:17 pm	0.190	3988	0.32			N/A
	Replicates	3988.4	3990.7	3995.7	3975.7						
10607180002_43605				UNK	05/10/22 04:14:43 pm	-0.011	1165	11.00			N/A
	Replicates	1149.9	1150.4	1180.4	1179.4						
10607180003_43605				UNK	05/10/22 04:16:09 pm	-0.030	899	8.52			N/A
	Replicates	911.3	938.9	893.6	853.1						
10607355001_43605				UNK	05/10/22 04:17:57 pm	-0.037	806	2.86			N/A
	Replicates	822.1	795.0	816.0	793.0						
4315104_43605				UNK	05/10/22 04:19:24 pm	-0.058	511	3.96			N/A
	Replicates	479.9	535.7	541.2	486.5						
4315679_43605				UNK	05/10/22 04:20:50 pm	-0.057	527	2.00			N/A
	Replicates	544.0	536.5	510.0	517.5						
CRDL				CRDL	05/10/22 04:22:17 pm	0.153	3470	2.29			76.50
	Replicates	3470.9	3429.2	3538.4	3439.9						
CCV				CCV	05/10/22 04:23:45 pm	4.970	71112	0.34			99.40
	Replicates	71049.3	71257.6	71333.1	70806.1						
CCB				CCB	05/10/22 04:25:13 pm	-0.056	538	2.91			N/A
	Replicates	530.0	546.4	564.4	511.2						
10606340004Dx50_43605				UNK	05/10/22 04:26:40 pm	11.000	155741	1.82		O	N/A
	Replicates	158956.1	156753.6	154910.3	152342.1						
10606340006Dx10_43605				UNK	05/10/22 04:28:07 pm	4.300	61638	2.24			N/A
	Replicates	63093.5	62206.9	61322.7	59928.9						
4316405_43606				UNK	05/10/22 04:29:35 pm	-0.062	449	4.61			N/A
	Replicates	442.1	426.8	507.3	418.8						
4316406_43606				UNK	05/10/22 04:31:28 pm	4.690	67177	0.29			N/A
	Replicates	67074.6	67285.7	67381.0	66966.7						
10607041003_43606				UNK	05/10/22 04:32:56 pm	-0.042	739	5.22			N/A
	Replicates	760.3	731.7	698.5	764.0						

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
10606340004Dx100_43605	UNK	05/10/22 04:34:23 pm	5.150	73700	0.31			N/A
Replicates	73657.8	73860.7	73877.9	73403.4				
4316407_43606	UNK	05/10/22 04:35:50 pm	4.850	69410	0.36			N/A
Replicates	69503.1	69563.8	69531.8	69040.8				
4316408_43606	UNK	05/10/22 04:37:17 pm	4.870	69771	0.50			N/A
Replicates	69890.3	70005.0	69924.2	69262.7				
4315105_43606	UNK	05/10/22 04:38:45 pm	-0.064	419	3.28			N/A
Replicates	462.5	396.2	405.5	412.5				
CRDL	CRDL	05/10/22 04:40:12 pm	0.147	3389	1.41			73.62
Replicates	3362.0	3428.1	3393.1	3372.3				
CCV	CCV	05/10/22 04:41:40 pm	4.960	71031	0.37			99.29
Replicates	70910.9	71199.9	71282.6	70730.9				
CCB	CCB	05/10/22 04:43:08 pm	-0.054	561	2.16			N/A
Replicates	564.7	551.6	545.6	582.6				
4303411_43450	UNK	05/10/22 04:45:07 pm	-0.090	61	1.10			N/A
Replicates	49.2	78.1	65.8	49.8				
10604931030_43450	UNK	05/10/22 04:46:33 pm	0.119	2992	1.46			N/A
Replicates	3007.1	2964.7	3016.7	2977.7				
CCV	CCV	05/10/22 04:48:01 pm	4.950	70850	0.31			99.03
Replicates	70773.0	70972.7	71070.9	70585.2				
CCB	CCB	05/10/22 04:49:30 pm	-0.057	520	1.86			N/A
Replicates	503.1	526.5	537.5	514.8				

Prep Log Report

Batch Information: MERP 812985 7470A W_P

Template Version: ENV-EPL-MIN4-0027-Rev.00 (13Dec2020)

Prep Method	EPA 7470A	Analysis Method	EPA 7470A	Prepared By	NJ1	Block ID	10MET23
Thermometer ID	200650906	Correction Factor (C)	0	Block Temp (C)	93.5	Corrected Temp. (C)	93.50
Digestion Start Date/Time	05/05/2022 14:11:37:352	Digestion End Date/Time	05/05/2022 16:11:37:352	Block End Temp (C)	93.3	Corrected End Temp. (C)	93.30
Digestion Vessel	364641	Metals Pipette 1	Q383	Metals Pipette 2		Bottle Disp. 1	Q780
Bottle Disp. 2	Q721	Bottle Disp. 3	Q814	Bottle Disp. 4	Q671	Reviewed By	HTV
Reviewed By Date	05/05/2022 17:05	Batch Notes					

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Matrix	Initial Volume (mL)	Conc. HNO3 (mL)	H2SO4 - Conc. (mL)	5% KMnO4 (mL)	5% K2S2O8 (mL)	12% NH2OH*HCL (mL)	Final Volume (mL)	Sample Notes	MERCURY-SPK (mL)
7470A W_P	BLANK	**4310706**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	LCS	**4310707**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		350870 (.15)
7470A W_P	PS	**10606199001**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	PS	**10606199002**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	MS	**4310708**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		350870 (.15)
7470A W_P	MSD	**4310709**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		350870 (.15)
7470A W_P	PS	**10606199003**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	PS	**10606631001**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	PS	**10606632001**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	PS	**10606633001**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	PS	**10606772001**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	PS	**10606782001**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	PS	**10606806001**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	PS	**10606807001**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	PS	**10606561001**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	PS	**10606563001**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		

Prep Log Report

Standard Notes:

350870: LCS, MS, MSD Spike Solution

SAMPLE NO.

EB02-042822-02

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Lab Sample ID: 10606561001 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7664-41-7	Nitrogen, Ammonia	ND	U	mg/L	1	05/16/2022 14:33

FORM II INORGANIC-1

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Initial Calibration Verification Source: 366155

Continuing Calibration Verification Source: 366155

Concentration Units: mg/L Instrument ID: 10WT92

	Initial Calibration Verification				Continuing Calibration Verification			
	05/16/2022 14:26				05/16/2022 14:43			Control Limit
Analyte	True	Found	%R	Control Limit	True	Found	%R	
Nitrogen, Ammonia	2.5	2.5	101.2	90-110	2.5	2.6	104.0	90-110

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract : D3593500

Method Blank Matrix: Water Instrument ID: 10WT92

Method Blank Concentration Units: mg/L

Analyte	Initial Calibration Blank (mg/L)		Continuing Calibration Blank (mg/L)						Method Blank	
	05/16/2022 14:28	C	05/16/2022 14:45	C		C		C	4323119	C
Nitrogen, Ammonia	-0.021	J	0.015	U					ND	U

SAMPLE NO.

4323121MS

FORM V INORGANIC-1

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Matrix: Water Basis: Wet Parent Sample ID: 10607680002

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Nitrogen, Ammonia	mg/L	90-110	2.5	ND	2.5	102

SAMPLE NO.

4323122MSD

FORM V INORGANIC-2

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Matrix: Water Basis: Wet Parent Sample ID: 10607680002

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Nitrogen, Ammonia	mg/L	90-110	2.5	ND	2.5	99

SAMPLE NO.

4323123MS

FORM V INORGANIC-3

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Matrix: Water Basis: Wet Parent Sample ID: 10607541001

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Nitrogen, Ammonia	mg/L	90-110	2.4	ND	2.5	98

SAMPLE NO.

4323124MSD

FORM V INORGANIC-4

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Matrix: Water Basis: Wet Parent Sample ID: 10607541001

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Nitrogen, Ammonia	mg/L	90-110	2.4	ND	2.5	98

SAMPLE NO.

4323122MSD

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Matrix: Water Concentration Units: mg/L

Percent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Nitrogen, Ammonia	20	2.5	2.5	2

SAMPLE NO.

4323124MSD

FORM VI INORGANIC-2
DUPLICATES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Matrix: Water Concentration Units: mg/L

Percent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Nitrogen, Ammonia	20	2.4	2.4	0

SAMPLE NO.

4323120LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Nitrogen, Ammonia	mg/L	2.5	2.5	101	90	110

FORM IX INORGANIC-1
INSTRUMENT DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Preparation Method: None Instrument ID: 10WT92

Concentration Units: mg/L

Analyte	PQL	IDL	IDL Date
Nitrogen, Ammonia	0.10	0.015	03/14/2022

FORM IX INORGANIC-2
METHOD DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Preparation Method: EPA 350.1 Instrument ID: 10WT92

Concentration Units: mg/L

Analyte	PQL	MDL	MDL Date
Nitrogen, Ammonia	0.10	0.015	03/15/2022

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Preparation Method: EPA 350.1 Batch: WETA 52154

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
4323119	4323119	05/16/2022	25	25
4323120	4323120	05/16/2022	25	25
4323121	4323121	05/16/2022	25	25
4323122	4323122	05/16/2022	25	25
4323123	4323123	05/16/2022	25	25
4323124	4323124	05/16/2022	25	25
10606561001	EB02-042822-02	05/16/2022	25	25

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606561 Contract: D3593500

Instrument ID: 10WT92 Analysis Method: EPA 350.1

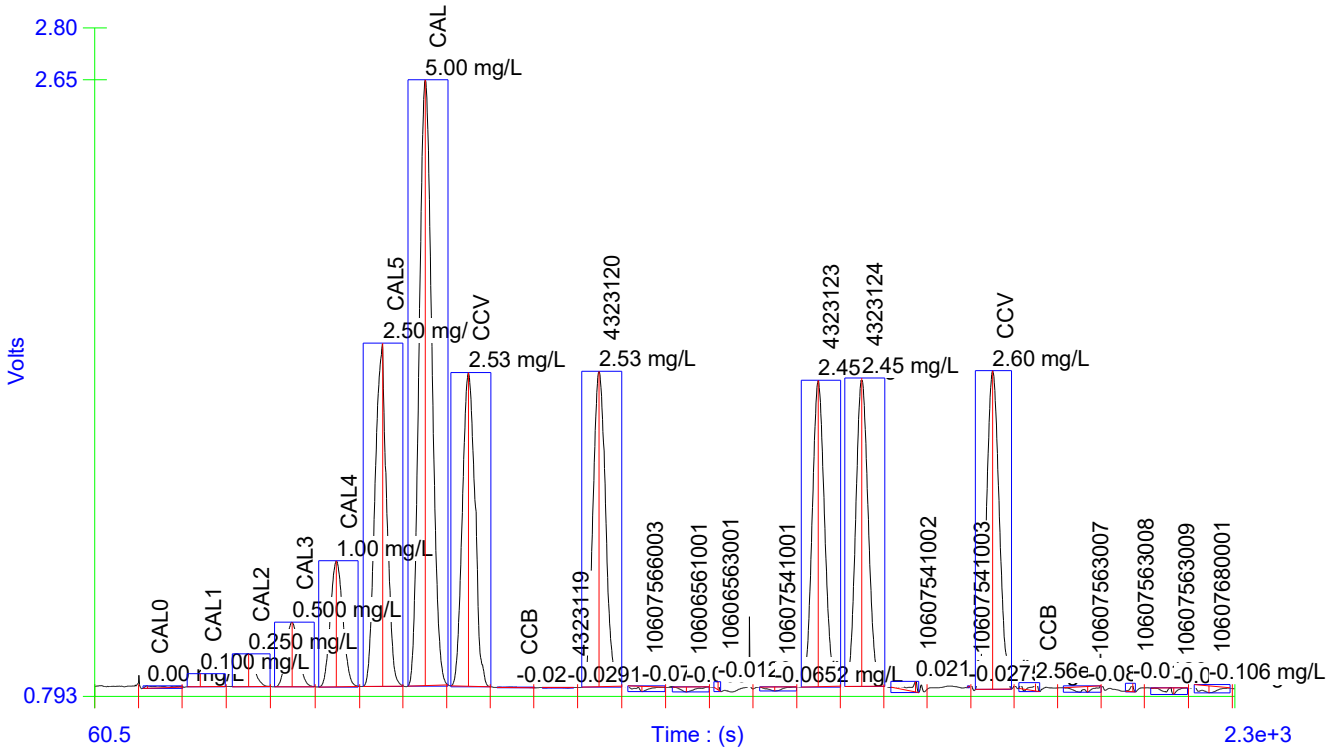
Start Date: 05/16/2022 14:16 End Date: 05/16/2022 14:55

Sample Name	Lab Sample ID	D/F	Date	Time	NH3N
29986685CAL0	29986685CAL0	1	05/16/2022	14:16	X
29986686CAL1	29986686CAL1	1	05/16/2022	14:18	X
29986687CAL2	29986687CAL2	1	05/16/2022	14:19	X
29986688CAL3	29986688CAL3	1	05/16/2022	14:20	X
29986689CAL4	29986689CAL4	1	05/16/2022	14:22	X
29986690CAL5	29986690CAL5	1	05/16/2022	14:23	X
29986691CAL6	29986691CAL6	1	05/16/2022	14:25	X
29986692ICV	29986692ICV	1	05/16/2022	14:26	X
29986693ICB	29986693ICB	1	05/16/2022	14:28	X
4323119BLANK	4323119	1	05/16/2022	14:29	X
4323120LCS	4323120	1	05/16/2022	14:30	X
EB02-042822-02	10606561001	1	05/16/2022	14:33	X
10607541001	10607541001	1	05/16/2022	14:36	X
4323123MS	4323123	1	05/16/2022	14:38	X
4323124MSD	4323124	1	05/16/2022	14:39	X
29986694CCV	29986694CCV	1	05/16/2022	14:43	X
29986695CCB	29986695CCB	1	05/16/2022	14:45	X
10607680002	10607680002	1	05/16/2022	14:52	X
4323121MS	4323121	1	05/16/2022	14:53	X
4323122MSD	4323122	1	05/16/2022	14:55	X

Original Run Filename: OM_5-16-2022_02-15-27PM.OMN Created: 5/16/2022 2:15:27 PM
Original Run Author's Signature: [10wetuser]
Current Run Filename: WETA 52154.omn Last Modified: 5/16/2022 3:27:50 PM
Current Run Author's Signature: [10wetuser]
Description: WETA 52154 NH3 JFP

Sample	Cup No.	Channel 2 NH3		Detection Time	MDF
		Conc. (mg/L)	Area (V.s)		
CAL0	S2	0.00	0.290	5/16/2022@2:16:35 PM	
CAL1	S3	0.100	1.24	5/16/2022@2:18:01 PM	
CAL2	S4	0.250	2.75	5/16/2022@2:19:27 PM	
CAL3	S5	0.500	5.51	5/16/2022@2:20:54 PM	
CAL4	S6	1.00	10.7	5/16/2022@2:22:21 PM	
CAL5	S7	2.50	27.1	5/16/2022@2:23:49 PM	
CAL6	S8	5.00	52.4	5/16/2022@2:25:16 PM	
CCV	S1	2.53	26.8	5/16/2022@2:26:42 PM	
Known Conc:		2.50			
Calibration:		Table/Fig. : 1			
CCB	S2	-0.0212	0.0607	5/16/2022@2:28:08 PM	
Known Conc:		100			
4323119	S2	-0.0291	-0.0222	5/16/2022@2:29:33 PM	
4323120	S1	2.53	26.8	5/16/2022@2:30:59 PM	
10607566003	1	-0.0703	-0.454	5/16/2022@2:32:25 PM	
10606561001	2	-0.0697	-0.448	5/16/2022@2:33:52 PM	
10606563001	3	-0.0129	0.147	5/16/2022@2:35:18 PM	
10607541001	4	-0.0652	-0.400	5/16/2022@2:36:44 PM	
4323123	5	2.45	26.0	5/16/2022@2:38:10 PM	
4323124	6	2.45	25.9	5/16/2022@2:39:36 PM	
10607541002	7	0.0214	0.507	5/16/2022@2:41:02 PM	
10607541003	8	-0.0275	-5.75e-3	5/16/2022@2:42:27 PM	
CCV	S1	2.60	27.5	5/16/2022@2:43:53 PM	
Known Conc:		2.50			
CCB	S2	2.56e-3	0.309	5/16/2022@2:45:19 PM	
Known Conc:		100			
10607563007	9	-0.0881	-0.640	5/16/2022@2:46:44 PM	
10607563008	10	-0.0126	0.151	5/16/2022@2:48:09 PM	
10607563009	11	-0.0655	-0.404	5/16/2022@2:49:35 PM	
10607680001	12	-0.106	-0.826	5/16/2022@2:51:00 PM	
10607680002	13	-0.0741	-0.494	5/16/2022@2:52:27 PM	
4323121	14	2.54	26.9	5/16/2022@2:53:53 PM	
4323122	15	2.48	26.3	5/16/2022@2:55:19 PM	
10607680003	16	-0.0646	-0.395	5/16/2022@2:56:45 PM	
10607680004	17	-0.116	-0.932	5/16/2022@2:58:11 PM	
10607680005	18	-3.33e-3	0.248	5/16/2022@2:59:37 PM	
CCV	S1	2.57	27.2	5/16/2022@3:01:02 PM	
Known Conc:		2.50			
CCB	S2	-8.60e-3	0.192	5/16/2022@3:02:28 PM	
Known Conc:		100			
10607680006	19	-0.0637	-0.385	5/16/2022@3:03:54 PM	
10607680007	20	0.0146	0.435	5/16/2022@3:05:19 PM	
10607680008	21	-0.0637	-0.384	5/16/2022@3:06:44 PM	
10607680009	22	-0.0964	-0.728	5/16/2022@3:08:10 PM	
10607680010	23	-0.0640	-0.389	5/16/2022@3:09:35 PM	
10607917001	24	134	28.5	5/16/2022@3:11:00 PM	50.00
10607680001	12	-0.0684	-0.435	5/16/2022@3:12:25 PM	
10607680004	17	-0.0347	-0.0810	5/16/2022@3:13:51 PM	
CCV	S1	2.57	27.2	5/16/2022@3:18:47 PM	
Known Conc:		2.50			
CCB	S2	-4.56e-3	0.235	5/16/2022@3:20:12 PM	
Known Conc:		100			

Channel 2 - Set: 1 / 2



Channel 2 - Set: 2 / 2

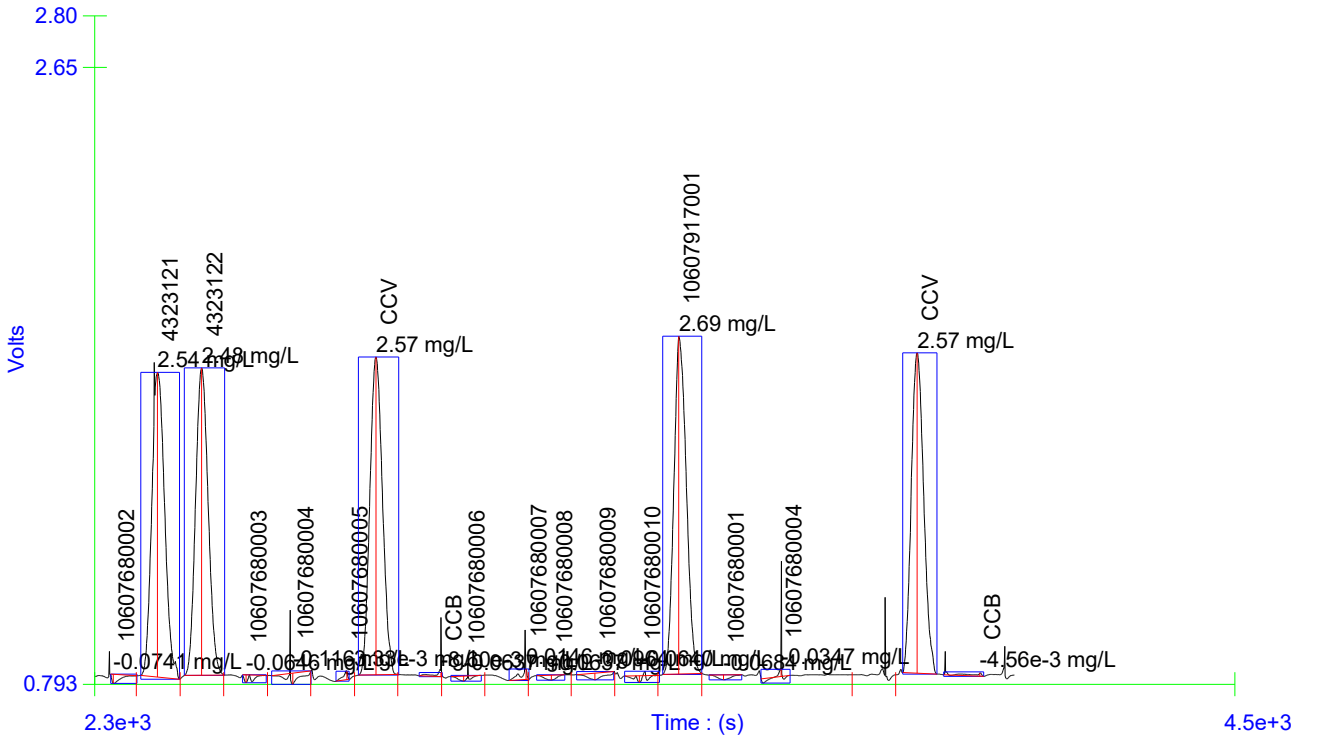
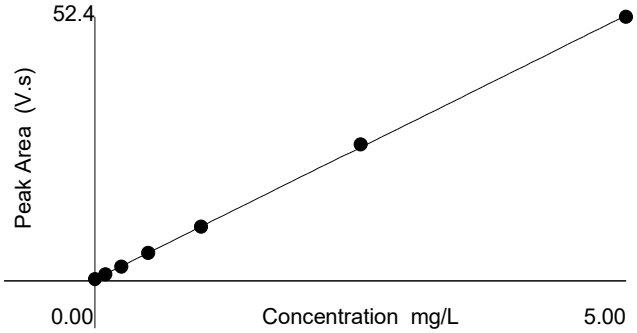


Table : 1 (NH3)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	5.00	1	52.4	1.82	0.0	0.5	4.97	5/16/2022	2:25:16 PM
2	2.50	1	27.1	1.03	0.0	-2.2	2.56	5/16/2022	2:23:49 PM
3	1.00	1	10.7	0.378	0.0	0.7	0.993	5/16/2022	2:22:21 PM
4	0.500	1	5.51	0.195	0.0	0.2	0.499	5/16/2022	2:20:54 PM
5	0.250	1	2.75	0.0978	0.0	5.2	0.236	5/16/2022	2:19:27 PM
6	0.100	1	1.24	0.0396	0.0	6.9	0.0914	5/16/2022	2:18:01 PM
7	0.00	1	0.290	6.57e-3			6.99e-4	5/16/2022	2:16:35 PM

Figure : 1 (NH3)



Area = 10.5 * Conc + 0.286
Conc = 0.0954 * Area - 0.0270
Correlation Coefficient (r) = 0.99989

Weighting : None

Prep Log Report

Batch Information: WETA 52154 TRACE

Template Version: ENV-EPL-MIN4-0084-Rev.00 (08Feb2021)

Prep Method	EPA 350.1	Analysis Method	EPA 350.1	Prepared By	JFP	Prep Date/Time	05/16/2022 15:14:14:520
Instrument	10WT92	NH3 buffer	366115	Salicylate Nitroprusside	366117	NH3 Alkaline Donor	366116
NH3 Hypochlorite Generator	366118	0.45um Syringe Filters	None Added	Auto-Sampler Vessels	364728	Residual Chlorine Strips	294136
Centrifuge Tubes	352187	Disposable Pipettes	363975	Syringe Filter	None Added	Acidified H2O	366114
Pipette ID 1	Q846	Pipette ID 2	Q813	Pipette ID 3	Q812	Pipette ID 4	Q619
Reviewed By	KEO	Reviewed By Date	05/17/2022 14:17	Batch Notes			

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Matrix	Dilution	Filtered	Residual Chlorine Present	Sample Notes	NH3-SPK (mL)	CAL-STD
3501 W	BLANK	**4323119**	Water		No	No			
3501 W	LCS	**4323120**	Water		No	No		335919 (.0625)	
3501 W	PS	**10607566003**	Water		No	No			
3501 W	PS	**10606561001**	Water		No	No			
3501 W	PS	**10606563001**	Water		No	No			
3501 W	PS	**10607541001**	Water		No	No			
3501 W	MS	**4323123**	Water		No	No		335919 (.0625)	
3501 W	MSD	**4323124**	Water		No	No		335919 (.0625)	
3501 W	PS	**10607541002**	Water		No	No			
3501 W	PS	**10607541003**	Water		No	No			
3501 W	PS	**10607563007**	Water		No	No			
3501 W	PS	**10607563008**	Water		No	No			
3501 W	PS	**10607563009**	Water		No	No			
3501 W	PS	**10607680001**	Water		No	No			
3501 W	RQS	**10607680002**	Water		No	No			
3501 W	MS	**4323121**	Water		No	No		335919 (.0625)	
3501 W	MSD	**4323122**	Water		No	No		335919 (.0625)	
3501 W	PS	**10607680003**	Water		No	No			

Prep Log Report

QC Rule	Sample Type	Lab Sample ID	Matrix	Dilution	Filtered	Residual Chlorine Present	Sample Notes	NH3-SPK (mL)	CAL-STD
3501 W	PS	**10607680004**	Water		No	No			
3501 W	PS	**10607680005**	Water		No	No			
3501 W	PS	**10607680006**	Water		No	No			
3501 W	PS	**10607680007**	Water		No	No			
3501 W	PS	**10607680008**	Water		No	No			
3501 W	PS	**10607680009**	Water		No	No			
3501 W	PS	**10607680010**	Water		No	No			
3501 W	PS	**10607917001**	Water		No	No			
WETA NH3_Q	CCV	**CCV**	Water						366155 (1)
WETA NH3_Q	CCB	**CCB**	Water						366148 (1)
WETA NH3_Q	CAL0	**CAL0**	Water						366148 (1)
WETA NH3_Q	CAL1	**CAL1**	Water						366149 (1)
WETA NH3_Q	CAL2	**CAL2**	Water						366150 (1)
WETA NH3_Q	CAL3	**CAL3**	Water						366151 (1)
WETA NH3_Q	CAL4	**CAL4**	Water						366152 (1)
WETA NH3_Q	CAL5	**CAL5**	Water						366153 (1)
WETA NH3_Q	CAL6	**CAL6**	Water						366154 (1)
WETA NH3_Q	ICB	**ICB**	Water						366148 (1)
WETA NH3_Q	ICV	**ICV**	Water						366155 (1)

Standard Notes:

335919: NH3 QC Stock 1000 mg/L

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ANALYTICAL REPORT

June 02, 2022

Pace Analytical - Minnesota

Sample Delivery Group:	L1488626
Samples Received:	05/03/2022
Project Number:	10606561
Description:	D3593500
Site:	001
Report To:	Kongmeng Vang 1700 Elm Street Suite 200 Minneapolis, MN 55414

Entire Report Reviewed By:

Nancy McLain
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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DUP(R3791750-6) WG1862545 05/13/22 18:19 DR6000-3 15

MS(R3791750-4) WG1862545 05/13/22 18:08 DR6000-3 16

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SAMPLE SUMMARY

EB02-042822-02 L1488626-01 GW

	Collected by	Collected date/time	Received date/time
		04/28/22 12:00	05/03/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500S2 D-2011	WG1862545	1	05/13/22 18:13	05/13/22 18:13	SMW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1858057	1	05/05/22 04:53	05/05/22 15:53	JNJ	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Nancy McLain
Project Manager

Report Revision History

Level II Report - Version 1: 05/16/22 15:43

Sample Delivery Group (SDG) Narrative

An aliquot for analysis was taken from the original container received due to volume requirements of the laboratory's procedure. Rinsing of the original sample container for inclusion in the sample extraction was not performed.

Lab Sample ID	Project Sample ID	Method
L1488626-01	EB02-042822-02	8270E

4500S2 D-2011 Wet Chemistry

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
EB02-042822-02

Lab Sample ID:	L1488626-01	**SDG:**	L1488626
Client Sample ID:	EB02-042822-02	**Collected Date/Time:**	04/28/22 12:00
Lab File ID:	20220513181313	**Received Date/Time:**	05/03/22 09:30
Instrument ID:	DR6000-3	**Preparation Date/Time:**	05/13/22 18:13
Analytical Batch:	WG1862545	**Analysis Date/Time:**	05/13/22 18:13
Dilution Factor:	1	**Prep Method:**	4500S2 D-2011
Analytical Method:	4500S2 D-2011	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	7.5 mL
Total Solids (%):	_____	**Final Wt/Vol:**	7.5 mL

Analyte	CAS	Result	Qualifier	MDL	RDL
		ug/l		*ug/l*	*ug/l*
Sulfide	18496-25-8	U	Q	25.0	50.0

Sample Narrative:
Ran out of hold due to supply chain issues.

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3791750-1	**SDG:**	L1488626
Client Sample ID:	BLANK	**Collected Date/Time:**	_____
Lab File ID:	20220513175825	**Received Date/Time:**	_____
Instrument ID:	DR6000-3	**Preparation Date/Time:**	05/13/22 17:58
Analytical Batch:	WG1862545	**Analysis Date/Time:**	05/13/22 17:58
Dilution Factor:	1	**Prep Method:**	4500 S2 D-2011/4500S2 D-2011
Analytical Method:	4500S2 D-2011	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	7.5 mL
Total Solids (%):	_____	**Final Wt/Vol:**	7.5 mL

Analyte	CAS	Result	Qualifier	MDL	RDL
		ug/l		*ug/l*	*ug/l*
Sulfide	18496-25-8	U		25.0	50.0

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3791750-2	**SDG:**	L1488626
Client Sample ID:	LCS	**Collected Date/Time:**	_____
Lab File ID:	20220513175846	**Received Date/Time:**	_____
Instrument ID:	DR6000-3	**Preparation Date/Time:**	05/13/22 17:58
Analytical Batch:	WG1862545	**Analysis Date/Time:**	05/13/22 17:58
Dilution Factor:	1	**Prep Method:**	4500 S2 D-2011/4500S2 D-2011
Analytical Method:	4500S2 D-2011	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	7.5 mL
Total Solids (%):	_____	**Final Wt/Vol:**	7.5 mL

Analyte	CAS	Result	Qualifier	MDL	RDL
		ug/l		*ug/l*	*ug/l*
Sulfide	18496-25-8	555		25.0	50.0

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3791750-3	**SDG:**	L1488626
Client Sample ID:	DUP	**Collected Date/Time:**	04/29/22 11:27
Lab File ID:	20220513180039	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	DR6000-3	**Preparation Date/Time:**	05/13/22 18:00
Analytical Batch:	WG1862545	**Analysis Date/Time:**	05/13/22 18:00
Dilution Factor:	1	**Prep Method:**	4500S2 D-2011
Analytical Method:	4500S2 D-2011	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	7.5 mL
Total Solids (%):	_____	**Final Wt/Vol:**	7.5 mL

Analyte	CAS	Result	Qualifier	MDL	RDL
		ug/l		*ug/l*	*ug/l*
Sulfide	18496-25-8	U		25.0	50.0

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3791750-6	**SDG:**	L1488626
Client Sample ID:	DUP	**Collected Date/Time:**	05/02/22 14:57
Lab File ID:	20220513181900	**Received Date/Time:**	05/03/22 09:30
Instrument ID:	DR6000-3	**Preparation Date/Time:**	05/13/22 18:19
Analytical Batch:	WG1862545	**Analysis Date/Time:**	05/13/22 18:19
Dilution Factor:	1	**Prep Method:**	4500S2 D-2011
Analytical Method:	4500S2 D-2011	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	7.5 mL
Total Solids (%):	_____	**Final Wt/Vol:**	7.5 mL

Analyte	CAS	Result	Qualifier	MDL	RDL
		ug/l		*ug/l*	*ug/l*
Sulfide	18496-25-8	U		25.0	50.0

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3791750-4	**SDG:**	L1488626
Client Sample ID:	MS	**Collected Date/Time:**	04/29/22 14:35
Lab File ID:	20220513180815	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	DR6000-3	**Preparation Date/Time:**	05/13/22 18:08
Analytical Batch:	WG1862545	**Analysis Date/Time:**	05/13/22 18:08
Dilution Factor:	1	**Prep Method:**	4500S2 D-2011
Analytical Method:	4500S2 D-2011	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	7.5 mL
Total Solids (%):	_____	**Final Wt/Vol:**	7.5 mL

Analyte	CAS	Result	Qualifier	MDL	RDL
		ug/l		*ug/l*	*ug/l*
Sulfide	18496-25-8	556		25.0	50.0

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3791750-5	**SDG:**	L1488626
Client Sample ID:	MSD	**Collected Date/Time:**	04/29/22 14:35
Lab File ID:	20220513180853	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	DR6000-3	**Preparation Date/Time:**	05/13/22 18:08
Analytical Batch:	WG1862545	**Analysis Date/Time:**	05/13/22 18:08
Dilution Factor:	1	**Prep Method:**	4500S2 D-2011
Analytical Method:	4500S2 D-2011	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	7.5 mL
Total Solids (%):	_____	**Final Wt/Vol:**	7.5 mL

Analyte	CAS	Result	Qualifier	MDL	RDL
		ug/l		*ug/l*	*ug/l*
Sulfide	18496-25-8	558		25.0	50.0

2-IN

CALIBRATION VERIFICATION

SDG:	L1488626	**Calibration (begin) date/time:**	05/12/22 18:28
Instrument ID:	DR6000-3	**Calibration (end) date/time:**	05/12/22 18:28
Analytical Method:	4500S2 D-2011	**Analytical Run:**	WG1862545
Concentration Units:	mg/L		

		ICV				CCV				CCV			
Sample ID:		DR6000-3051322175730				DR6000-3051322180148				DR6000-3051322180744			
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	True	Found	%R	%RSD
REACTIVE SULFIDE	0.50	0.5490	110		0.50	0.5500	110		0.50	0.5430	109	
SULFIDE	0.50	0.5490	110		0.50	0.5500	110		0.50	0.5430	109	

ICV Limits: 90 - 110 CCV Limits: 90 - 110

2-IN

CALIBRATION VERIFICATION

SDG:	L1488626	**Calibration (begin) date/time:**	05/12/22 18:28
Instrument ID:	DR6000-3	**Calibration (end) date/time:**	05/12/22 18:28
Analytical Method:	4500S2 D-2011	**Analytical Run:**	WG1862545
Concentration Units:	mg/L		

		CCV				**CCV**				**CCV**			
Sample ID:		DR6000-3051322181227				DR6000-3051322181523				DR6000-3051322181912			
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	True	Found	%R	%RSD
REACTIVE SULFIDE	0.50	0.5410	108		0.50	0.5410	108		0.50	0.5420	108	
SULFIDE	0.50	0.5410	108		0.50	0.5410	108		0.50	0.5420	108	

ICV Limits: 90 - 110 CCV Limits: 90 - 110

SDG:	L1488626	**Calibration (begin) date/time:**	05/12/22 18:28
Instrument ID:	DR6000-3	**Calibration (end) date/time:**	05/12/22 18:28
Analytical Method:	4500S2 D-2011	**Analytical Run:**	WG1862545

Sample ID:	**CCB Result**	**CCB Qual**	**CCB Result**	**CCB Qual**	**CCB Result**	**CCB Qual**	**CCB Result**	**CCB Qual**
File ID:	20220513180207		20220513180804		20220513181239		20220513181534	
Analyte	mg/L		mg/L		mg/L		mg/L	
REACTIVE SULFIDE	-0.01900		-0.01800		-0.01900		-0.02000	
SULFIDE	-0.01900		-0.01800		-0.01900		-0.02000	

SDG:	L1488626	**Calibration (begin) date/time:**	05/12/22 18:28
Instrument ID:	DR6000-3	**Calibration (end) date/time:**	05/12/22 18:28
Analytical Method:	4500S2 D-2011	**Analytical Run:**	WG1862545

Sample ID:	**CCB Result**	**CCB Qual**	**BLANK Result**	**BLANK Qual**
File ID:	20220513182005		20220513175825	
Analyte	mg/L		mg/l	
REACTIVE SULFIDE	-0.02100			
SULFIDE	-0.02100		U	

5A-IN

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

L1488626-01

SAMPLE NO.:
R3791750-4
R3791750-5

MS Sample / File ID:	R3791750-4 / 20220513180815	**SDG:**	L1488626
MSD Sample / File ID:	R3791750-5 / 20220513180853	**Analytical Batch:**	WG1862545
OS Sample / File ID:	L1488096-07 / 20220513180416	**Matrix:**	GW
Instrument ID:	DR6000-3		
Analytical Method:	4500S2 D-2011		

Analyte	Spike Amount	OS Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	RPD	RPD Limits
	ug/l	*ug/l*	*ug/l*	*ug/l*	*%*	*%*		*%*	*%*	*%*
Sulfide	500	U	556	558	111	112	1	80.0 - 120	0.359	20

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

DUP Sample / File ID:	R3791750-3 / 20220513180039	**SDG:**	L1488626
OS Sample / File ID:	L1488096-01 / 20220513175946	**Analytical Batch:**	WG1862545
Instrument ID:	DR6000-3	**Dilution Factor:**	1
Analytical Method:	4500S2 D-2011	**Matrix:**	GW

Analyte	OS Result	DUP Result	RPD	RPD Limits
	ug/l	*ug/l*	*ug/l*	*ug/l*
Sulfide	U	U	0.000	20

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

DUP Sample / File ID:	R3791750-6 / 20220513181900	**SDG:**	L1488626
OS Sample / File ID:	L1488730-05 / 20220513181743	**Analytical Batch:**	WG1862545
Instrument ID:	DR6000-3	**Dilution Factor:**	1
Analytical Method:	4500S2 D-2011	**Matrix:**	GW

Analyte	OS Result	DUP Result	RPD	RPD Limits
	ug/l	*ug/l*	*ug/l*	*ug/l*
Sulfide	U	U	0.000	20

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

7-IN

LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
RECOVERY

L1488626-01

SAMPLE NO.:
R3791750-2

LCS Sample / File ID:	R3791750-2 / 20220513175846	**SDG:**	L1488626
LCSD Sample / File ID:	_____	**Analytical Batch:**	WG1862545
Instrument ID:	DR6000-3	**Dilution Factor:**	1
Analytical Method:	4500S2 D-2011	**Matrix:**	GW

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	RPD	RPD Limits
	ug/l	*ug/l*		*%*	*%*	*%*	*%*	*%*
Sulfide	500	555		111		85.0 - 115		

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

DETECTION LIMIT SUMMARY

Lab Sample IDs: L1488626-01 **Analytical Method:** 4500S2 D-2011

Matrix: GW **Prep Method:** 4500S2 D-2011

Analyte	CAS	Wavelength	Mass	MDL	RDL
				mg/l	*mg/l*
Sulfide	18496-25-8			0.0250	0.05

ANALYSIS LOG

SDG:	L1488626	**Analytical Method:**	4500S2 D-2011
Instrument ID:	DR6000-3	**Calibration Start Date:**	
Analytical Run:	WG1866037	**Calibration End Date:**	

Client Sample ID	Lab Sample ID	File ID	Analysis Date Time	Dilution	Batch
CAL	0	32	05/12/22 18:28		
CAL	.05	33	05/12/22 18:28		
CAL	.1	34	05/12/22 18:28		
CAL	.5	35	05/12/22 18:28		
CAL	1	36	05/12/22 18:28		
CAL	1.5	37	05/12/22 18:28		

ANALYSIS LOG

SDG:	L1488626	**Analytical Method:**	4500S2 D-2011
Instrument ID:	DR6000-3	**Calibration Start Date:**	05/12/22 18:28
Analytical Run:	WG1862545	**Calibration End Date:**	05/12/22 18:28

Client Sample ID	Lab Sample ID	File ID	Analysis Date Time	Dilution	Batch
ICV	DR6000-3051322175730	20220513175730	05/13/22 17:57		
BLANK	R3791750-1	20220513175825	05/13/22 17:58	1	WG1862545
LCS	R3791750-2	20220513175846	05/13/22 17:58	1	WG1862545
L1487566-03	L1487566-03	20220513175915	05/13/22 17:59	1	WG1862545
OS	L1488096-01	20220513175946	05/13/22 17:59		
L1488096-01	L1488096-01	20220513175946	05/13/22 17:59	1	WG1862545
DUP	R3791750-3	20220513180039	05/13/22 18:00	1	WG1862545
L1488096-02	L1488096-02	20220513180059	05/13/22 18:00	1	WG1862545
L1488096-03	L1488096-03	20220513180135	05/13/22 18:01	1	WG1862545
CCV	DR6000-3051322180148	20220513180148	05/13/22 18:01		
CCB	DR6000-3051322180207	20220513180207	05/13/22 18:02		
L1488096-04	L1488096-04	20220513180241	05/13/22 18:02	1	WG1862545
L1488096-05	L1488096-05	20220513180311	05/13/22 18:03	1	WG1862545
L1488096-06	L1488096-06	20220513180341	05/13/22 18:03	1	WG1862545
OS	L1488096-07	20220513180416	05/13/22 18:04		
L1488096-07	L1488096-07	20220513180416	05/13/22 18:04	1	WG1862545
CCV	DR6000-3051322180744	20220513180744	05/13/22 18:07		
CCB	DR6000-3051322180804	20220513180804	05/13/22 18:08		
MS	R3791750-4	20220513180815	05/13/22 18:08	1	WG1862545
MSD	R3791750-5	20220513180853	05/13/22 18:08	1	WG1862545
L1488096-08	L1488096-08	20220513180932	05/13/22 18:09	1	WG1862545
L1488096-09	L1488096-09	20220513181058	05/13/22 18:10	1	WG1862545
L1488096-10	L1488096-10	20220513181132	05/13/22 18:11	1	WG1862545
L1488096-11	L1488096-11	20220513181212	05/13/22 18:12	1	WG1862545
CCV	DR6000-3051322181227	20220513181227	05/13/22 18:12		
CCB	DR6000-3051322181239	20220513181239	05/13/22 18:12		
EB02-042822-02	L1488626-01	20220513181313	05/13/22 18:13	1	WG1862545
L1488631-01	L1488631-01	20220513181342	05/13/22 18:13	1	WG1862545
L1488730-01	L1488730-01	20220513181414	05/13/22 18:14	1	WG1862545
L1488730-02	L1488730-02	20220513181452	05/13/22 18:14	1	WG1862545
CCV	DR6000-3051322181523	20220513181523	05/13/22 18:15		
CCB	DR6000-3051322181534	20220513181534	05/13/22 18:15		
L1488730-03	L1488730-03	20220513181548	05/13/22 18:15	1	WG1862545
OS	L1488730-05	20220513181743	05/13/22 18:17		
L1488730-05	L1488730-05	20220513181743	05/13/22 18:17	1	WG1862545
DUP	R3791750-6	20220513181900	05/13/22 18:19	1	WG1862545
CCV	DR6000-3051322181912	20220513181912	05/13/22 18:19		
CCB	DR6000-3051322182005	20220513182005	05/13/22 18:20		

15-IN

INITIAL CALIBRATION RECOVERY

SDG:	L1488626	**Calibration (begin) date/time:**	05/12/22 18:28
Instrument ID:	DR6000-3	**Calibration (end) date/time:**	05/12/22 18:28
Analytical Method:	4500S2 D-2011	**Analytical Run:**	WG1862545

Analyte	**Std Conc**	**Result**	**Rec.**	**Std Conc**	**Result**	**Rec.**
	mg/l	mg/l	%	mg/l	mg/l	%
SULFIDE	0.05	.0390233435	78	0.10	.0933224135	93.30
File ID:		33			34	

15-IN

INITIAL CALIBRATION RECOVERY

SDG:	L1488626	**Calibration (begin) date/time:**	05/12/22 18:28
Instrument ID:	DR6000-3	**Calibration (end) date/time:**	05/12/22 18:28
Analytical Method:	4500S2 D-2011	**Analytical Run:**	WG1862545

Analyte	**Std Conc**	**Result**	**Rec.**	**Std Conc**	**Result**	**Rec.**
	mg/l	mg/l	%	mg/l	mg/l	%
SULFIDE	0.50	.541289741	108	1	1.0308863555	103
File ID:		35			36	

15-IN

INITIAL CALIBRATION RECOVERY

SDG:	L1488626	**Calibration (begin) date/time:**	05/12/22 18:28
Instrument ID:	DR6000-3	**Calibration (end) date/time:**	05/12/22 18:28
Analytical Method:	4500S2 D-2011	**Analytical Run:**	WG1862545

Analyte	**Std Conc**	**Result**	**Rec.**
	mg/l	mg/l	%
SULFIDE	1.50	1.4634689465	97.60
File ID:		37	

GENERAL CHEMISTRY
INITIAL CALIBRATION

SDG:	L1488626	**Calibration (begin) date/time:**	05/12/22 18:28
Instrument ID:	DR6000-3	**Calibration (end) date/time:**	05/12/22 18:28
Analytical Method:	4500S2 D-2011	**Analytical Run:**	WG1862545

Analyte	Cal. Type	Weightage	Corr.	Coef1	Coef2	Slope	Incpt	% RSD
SULFIDE	0	5	0.998794			0.904985	-0.017991	

Calibration Type

0 = Linear Regression

Weightage

5 = None

Created: 05/12/22 19:21

Instrument: DR6000-3

Calibration Date: 05/12/22 18:28

Program Name: Sulfide 5/11/22 AW3772

Wavelength: 665.0 nm

Analytical Method: 4500-S2-D

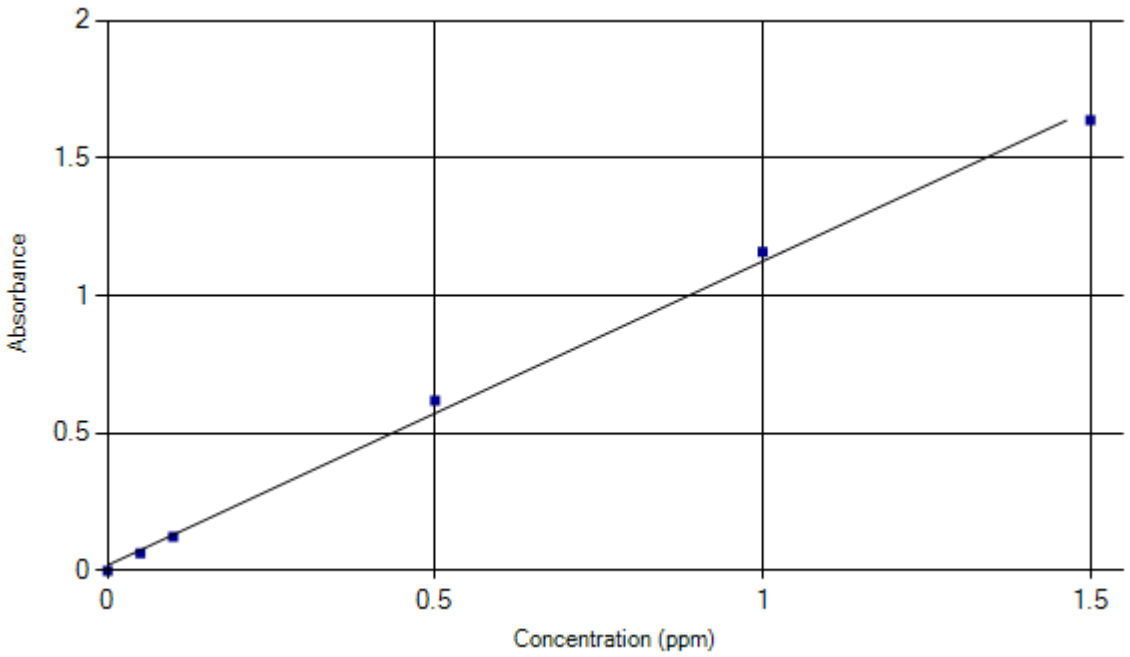
Analyte: Sulfide

Calibration Equation: Concentration = -0.01799068 + 0.9049845 * Absorbance

Standard ID: 22E12890

ppm	Absorbance
0	0
0.05	0.063
0.1	0.123
0.5	0.618
1	1.159
1.5	1.637

R = 0.9987936



Instrument: DR6000-3

Created: 05/13/22 18:33

Serial Number: 1894098

Date/Time	Analyte	Program	Sample ID	Dilution	Result	Units	Absorbance
05/13/22 17:57:30	Sulfide	Sulfide 5/11/22 AW3772	ICV	1	0.549	mg/L	0.626
05/13/22 17:58:25	Sulfide	Sulfide 5/11/22 AW3772	BLANK WG1862545	1	-0.021	mg/L	-0.003
05/13/22 17:58:46	Sulfide	Sulfide 5/11/22 AW3772	LCS WG1862545	1	0.555	mg/L	0.633
05/13/22 17:59:15	Sulfide	Sulfide 5/11/22 AW3772	L1487566-03SR WG1862545	1	0.108	mg/L	0.139
05/13/22 17:59:30	Sulfide	Sulfide 5/11/22 AW3772	L1487566-03SR-SB WG1862545	1	-0.048	mg/L	-0.033
05/13/22 17:59:46	Sulfide	Sulfide 5/11/22 AW3772	L1488096-01 WG1862545	1	-0.034	mg/L	-0.018
05/13/22 18:00:01	Sulfide	Sulfide 5/11/22 AW3772	L1488096-01-SB WG1862545	1	-0.052	mg/L	-0.037
05/13/22 18:00:39	Sulfide	Sulfide 5/11/22 AW3772	DUP L1488096-01 WG1862545	1	-0.034	mg/L	-0.017
05/13/22 18:00:59	Sulfide	Sulfide 5/11/22 AW3772	L1488096-02 WG1862545	1	-0.032	mg/L	-0.016
05/13/22 18:01:14	Sulfide	Sulfide 5/11/22 AW3772	L1488096-02-SB WG1862545	1	-0.050	mg/L	-0.036
05/13/22 18:01:35	Sulfide	Sulfide 5/11/22 AW3772	L1488096-03 WG1862545	1	-0.034	mg/L	-0.018
05/13/22 18:01:48	Sulfide	Sulfide 5/11/22 AW3772	CCV	1	0.550	mg/L	0.628
05/13/22 18:02:07	Sulfide	Sulfide 5/11/22 AW3772	CCB	1	-0.019	mg/L	-0.001
05/13/22 18:02:23	Sulfide	Sulfide 5/11/22 AW3772	L1488096-03-SB WG1862545	1	-0.047	mg/L	-0.032
05/13/22 18:02:41	Sulfide	Sulfide 5/11/22 AW3772	L1488096-04 WG1862545	1	-0.033	mg/L	-0.017
05/13/22 18:02:56	Sulfide	Sulfide 5/11/22 AW3772	L1488096-04-SB WG1862545	1	-0.046	mg/L	-0.031
05/13/22 18:03:11	Sulfide	Sulfide 5/11/22 AW3772	L1488096-05 WG1862545	1	-0.032	mg/L	-0.016
05/13/22 18:03:24	Sulfide	Sulfide 5/11/22 AW3772	L1488096-05-SB WG1862545	1	-0.048	mg/L	-0.033
05/13/22 18:03:41	Sulfide	Sulfide 5/11/22 AW3772	L1488096-06 WG1862545	1	-0.032	mg/L	-0.016
05/13/22 18:03:58	Sulfide	Sulfide 5/11/22 AW3772	L1488096-06-SB WG1862545	1	-0.043	mg/L	-0.027
05/13/22 18:04:16	Sulfide	Sulfide 5/11/22 AW3772	L1488096-07 WG1862545	1	-0.033	mg/L	-0.016
05/13/22 18:04:30	Sulfide	Sulfide 5/11/22 AW3772	L1488096-07-SB WG1862545	1	-0.048	mg/L	-0.033
05/13/22 18:07:44	Sulfide	Sulfide 5/11/22 AW3772	CCV	1	0.543	mg/L	0.620
05/13/22 18:08:04	Sulfide	Sulfide 5/11/22 AW3772	CCB	1	-0.018	mg/L	0.000
05/13/22 18:08:15	Sulfide	Sulfide 5/11/22 AW3772	MS L1488096-07 WG1862545	1	0.556	mg/L	0.635
05/13/22 18:08:53	Sulfide	Sulfide 5/11/22 AW3772	MSD L1488096-07 WG1862545	1	0.558	mg/L	0.637
05/13/22 18:09:32	Sulfide	Sulfide 5/11/22 AW3772	L1488096-08 WG1862545	1	-0.033	mg/L	-0.016
05/13/22 18:10:39	Sulfide	Sulfide 5/11/22 AW3772	L1488096-08-SB WG1862545	1	-0.045	mg/L	-0.030
05/13/22 18:10:58	Sulfide	Sulfide 5/11/22 AW3772	L1488096-09 WG1862545	1	-0.033	mg/L	-0.017
05/13/22 18:11:14	Sulfide	Sulfide 5/11/22 AW3772	L1488096-09-SB WG1862545	1	-0.046	mg/L	-0.031
05/13/22 18:11:32	Sulfide	Sulfide 5/11/22 AW3772	L1488096-10 WG1862545	1	0.029	mg/L	0.052
05/13/22 18:11:49	Sulfide	Sulfide 5/11/22 AW3772	L1488096-10-SB WG1862545	1	-0.019	mg/L	-0.001
05/13/22 18:12:12	Sulfide	Sulfide 5/11/22 AW3772	L1488096-11 WG1862545	1	-0.034	mg/L	-0.017
05/13/22 18:12:27	Sulfide	Sulfide 5/11/22 AW3772	CCV	1	0.541	mg/L	0.618
05/13/22 18:12:39	Sulfide	Sulfide 5/11/22 AW3772	CCB	1	-0.019	mg/L	-0.001
05/13/22 18:12:57	Sulfide	Sulfide 5/11/22 AW3772	L1488096-11-SB WG1862545	1	-0.046	mg/L	-0.031
05/13/22 18:13:13	Sulfide	Sulfide 5/11/22 AW3772	L1488626-01 WG1862545	1	-0.033	mg/L	-0.017
05/13/22 18:13:27	Sulfide	Sulfide 5/11/22 AW3772	L1488626-01-SB WG1862545	1	-0.046	mg/L	-0.031
05/13/22 18:13:42	Sulfide	Sulfide 5/11/22 AW3772	L1488631-01 WG1862545	1	-0.033	mg/L	-0.016

Date/Time	Analyte	Program	Sample ID	Dilution	Result	Units	Absorbance
05/13/22 18:13:56	Sulfide	Sulfide 5/11/22 AW3772	L1488631-01-SB WG1862545	1	-0.046	mg/L	-0.031
05/13/22 18:14:14	Sulfide	Sulfide 5/11/22 AW3772	L1488730-01 WG1862545	1	-0.033	mg/L	-0.016
05/13/22 18:14:28	Sulfide	Sulfide 5/11/22 AW3772	L1488730-01-SB WG1862545	1	-0.047	mg/L	-0.032
05/13/22 18:14:52	Sulfide	Sulfide 5/11/22 AW3772	L1488730-02 WG1862545	1	-0.033	mg/L	-0.016
05/13/22 18:15:07	Sulfide	Sulfide 5/11/22 AW3772	L1488730-02-SB WG1862545	1	-0.046	mg/L	-0.031
05/13/22 18:15:23	Sulfide	Sulfide 5/11/22 AW3772	CCV	1	0.541	mg/L	0.618
05/13/22 18:15:34	Sulfide	Sulfide 5/11/22 AW3772	CCB	1	-0.020	mg/L	-0.002
05/13/22 18:15:48	Sulfide	Sulfide 5/11/22 AW3772	L1488730-03 WG1862545	1	-0.033	mg/L	-0.016
05/13/22 18:16:01	Sulfide	Sulfide 5/11/22 AW3772	L1488730-03-SB WG1862545	1	-0.045	mg/L	-0.030
05/13/22 18:17:43	Sulfide	Sulfide 5/11/22 AW3772	L1488730-05 WG1862545	1	-0.034	mg/L	-0.018
05/13/22 18:18:30	Sulfide	Sulfide 5/11/22 AW3772	L1488730-05-SB WG1862545	1	-0.042	mg/L	-0.027
05/13/22 18:19:00	Sulfide	Sulfide 5/11/22 AW3772	DUP L1488730-05 WG1862545	1	-0.033	mg/L	-0.017
05/13/22 18:19:12	Sulfide	Sulfide 5/11/22 AW3772	CCV	1	0.542	mg/L	0.618
05/13/22 18:20:05	Sulfide	Sulfide 5/11/22 AW3772	CCB	1	-0.021	mg/L	-0.003

REACTS Water WetChem Prep Benchsheet

Batch: WG1862545

Analyst: SMW3803 **Prep Start Date/Time:** 05/11/22 17:00 **Prep End Date/Time:** 05/13/22 17:25 **Date/Time Analyzed:** 05/13/22 17:35:29 **SOP:** 0173
Method: 4500S2-D **Instrument:** DR6000-3 **ICV True Value:** 0.5 mg/L **LCS True Value:** 0.5 mg/L **MS/D True Value:** 0.5 mg/L **1mL Auto Pipette SN:** J17613481
1mL Auto Pipette Tip Lot#: 2140707 **2mL Auto Pipette SN:** 27051003 **2mL Auto Pipette Tip Lot#:** 210467 **10mL Auto Pipette SN:** 14041180
10mL Auto Pipette Tip Lot#: 21306BO **5mL Pipette Lot#:** NA **10mL Pipette Lot#:** NA **Culture Tube Lot#:** 22080303 **Cuvette Lot#:** NA
pH Strip Lot#: 10BDH4111

ICV Standard: 22E11716 Amt. Used: 37.50 Exp. Date:05/18/22 **MS/D Standard:** 22E11716 Amt. Used: 37.50 Exp. Date:05/18/22
LCS/D Standard: 22E12824 Amt. Used: 37.50 Exp. Date:05/19/22 **Amine Sulfuric Acid:** 22E11685 Amt. Used: 0.50 mL Exp. Date:04/30/23
Ammonium Phosphate: 22D24339 Amt. Used: 1.60 mL Exp. Date:03/01/24 **Ferric Chloride:** 22D20856 Amt. Used: 3 drops Exp. Date:04/30/23
1:1 H2SO4: 22E04822 Amt. Used: 0.50 mL Exp. Date:09/01/22

Sample Number	Prep Flags	Matrix	pH	Sample Volume Used (mL)	Final Volume (mL)	Review Analyst	Review Date
ICV			>9	7.5	7.5	SMW3803	05/13/22 18:31:25
BLANK			>9	7.5	7.5	SMW3803	05/13/22 18:31:25
LCS			>9	7.5	7.5	SMW3803	05/13/22 18:31:25
DUP(L1488096-01)			>9	7.5	7.5	SMW3803	05/13/22 18:31:25
DUP(L1488730-05)			>9	7.5	7.5	SMW3803	05/13/22 18:31:25
MS(L1488096-07)			>9	7.5	7.5	SMW3803	05/13/22 18:31:25
MSD(L1488096-07)			>9	7.5	7.5	SMW3803	05/13/22 18:31:25
1. L1487566-03	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
2. L1488096-01	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
3. L1488096-02	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
4. L1488096-03	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
5. L1488096-04	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
6. L1488096-05	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
7. L1488096-06	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
8. L1488096-07	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
9. L1488096-08	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
10. L1488096-09	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
11. L1488096-10	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
12. L1488096-11	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
13. L1488626-01	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
14. L1488631-01	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
15. L1488730-01	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
16. L1488730-02	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
17. L1488730-03	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
18. L1488730-05	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25

Comments:

Reviewed By:SMW3803 on 05/13/22 18:31:25

8270E Semi Volatile Organic Compounds (GC/MS)

2A-OR

SURROGATE RECOVERY

Analytical Method: 8270E **SDG:** L1488626

Matrix: GW

Sample ID	Lab Sample ID	Instrument	File ID	DMC-1	DMC-2	DMC-3	DMC-4	DMC-5	DMC-6	TOT Out
				% Rec.	*% Rec.*	*% Rec.*	*% Rec.*	*% Rec.*	*% Rec.*	
EB02-042822-02	L1488626-01	BNAMS33	0505_15	21.9	14.4	49.3	44.4	47.3	56.0	0
MS	R3789362-1	BNAMS20	0506A_22	37.2D	26.1D	56.2D	80.5D	92.5D	96.0D	6
MSD	R3789362-2	BNAMS20	0506A_23	36.1D	28.6D	56.4D	88.9D	86.5D	102D	6
BLANK	R3788956-2	BNAMS33	0505_06	24.2	16.6	63.6	55.6	50.0	58.9	0
LCS	R3788956-1	BNAMS33	0505_05	26.3	16.4	53.1	51.6	60.5	54.4	0

Parm Abbreviation	Parameter	QC LIMITS
DMC-1	2-Fluorophenol	10.0 - 120
DMC-2	Phenol-d5	10.0 - 120
DMC-3	Nitrobenzene-d5	10.0 - 127
DMC-4	2-Fluorobiphenyl	10.0 - 130
DMC-5	2,4,6-Tribromophenol	10.0 - 155
DMC-6	p-Terphenyl-d14	10.0 - 128

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

MS Sample / File ID: R3789362-1 / 0506A_22
MSD Sample / File ID: R3789362-2 / 0506A_23
OS Sample / File ID: L1488145-02 / 0506A_21
Instrument ID: BNAMS20
Analytical Method: 8270E

SDG: L1488626
Analytical Batch: WG1858057
Matrix: GW

Analyte	Spike Amount	OS Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	RPD	RPD Limit
	ug/l	*ug/l*	*ug/l*	*ug/l*	*%*	*%*		*%*	*%*	*%*
Acenaphthene	50.0	U	45.6	47.3	91.2	94.6	50	28.0 - 120	3.66	25
Acenaphthylene	50.0	U	48.1	49.2	96.2	98.4	50	31.0 - 121	2.26	25
Anthracene	50.0	U	46.7	47.9	93.4	95.8	50	36.0 - 120	2.54	23
Benzoic Acid	100	90.8	146	140	55.2	49.2	50	10.0 - 120	4.20	40
Benzo(a)anthracene	50.0	U	44.8	46.9	89.6	93.8	50	39.0 - 120	4.58	23
Benzo(b)fluoranthene	50.0	U	43.1	45.0	86.2	90.0	50	37.0 - 120	4.31	23
Benzo(k)fluoranthene	50.0	U	45.4	47.9	90.8	95.8	50	37.0 - 120	5.36	26
Benzo(g,h,i)perylene	50.0	U	40.1	40.5	80.2	81.0	50	37.0 - 123	0.993	25
Benzo(a)pyrene	50.0	U	46.6	49.4	93.2	98.8	50	37.0 - 120	5.83	24
Carbazole	50.0	U	45.2	46.8	90.4	93.6	50	38.0 - 127	3.48	21
Chrysene	50.0	U	43.1	44.7	86.2	89.4	50	38.0 - 120	3.64	23
Dibenz(a,h)anthracene	50.0	U	31.4	35.0	62.8	70.0	50	36.0 - 121	10.8	24
Dibenzofuran	50.0	U	47.4	48.9	94.8	97.8	50	32.0 - 120	3.12	26
Fluorene	50.0	U	44.3	47.2	88.6	94.4	50	37.0 - 120	6.34	24
Fluoranthene	50.0	U	48.6	49.6	97.2	99.2	50	41.0 - 121	2.04	22
Indeno(1,2,3-cd)pyrene	50.0	U	40.7	40.8	81.4	81.6	50	38.0 - 125	0.245	24
1-Methylnaphthalene	50.0	U	45.4	47.2	90.8	94.4	50	11.0 - 120	3.89	27
2-Methylnaphthalene	50.0	U	44.1	44.3	88.2	88.6	50	17.0 - 120	0.452	28
Phenanthrene	50.0	U	47.1	50.3	94.2	101	50	33.0 - 120	6.57	22
Pyrene	50.0	U	51.1	53.8	102	108	50	39.0 - 120	5.15	22
Naphthalene	50.0	U	44.4	46.0	88.8	92.0	50	10.0 - 120	3.54	31
Bis(2-ethylhexyl)phthalate	50.0	U	U	U	0.000*	0.000*	50	33.0 - 126	0.000	25
Di-n-butyl phthalate	50.0	U	48.9	51.6	97.8	103	50	35.0 - 128	5.37	23
Di-n-octyl phthalate	50.0	U	75.6	76.8	151*	154*	50	25.0 - 135	1.57	26
3&4-Methyl Phenol	50.0	165	205	199	80.0	68.0	50	10.0 - 120	2.97	36
Pentachlorophenol	50.0	U	53.9	55.8	108	112	50	10.0 - 128	3.46	37
Phenol	50.0	1870	2010	1940	280*	140*	50	10.0 - 120	3.54	40

*: Value outside the established quality control limits.
D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE RECOVERY
L1488626-01

SAMPLE NO.:
R3788956-1

LCS Sample / File ID:	R3788956-1 / 0505_05	**SDG:**	L1488626
LCSD Sample / File ID:	_____	**Analytical Batch:**	WG1858057
Instrument ID:	BNAMS33	**Dilution Factor:**	1
Analytical Method:	8270E	**Matrix:**	GW

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	RPD	RPD Limit
	ug/l	*ug/l*		*%*	*%*	*%*	*%*	*%*
Acenaphthene	50.0	29.0		58.0		41.0 - 120		
Acenaphthylene	50.0	31.1		62.2		43.0 - 120		
Anthracene	50.0	30.3		60.6		45.0 - 120		
Benzoic Acid	100	10.8		10.8		10.0 - 120		
Benzo(a)anthracene	50.0	33.2		66.4		47.0 - 120		
Benzo(b)fluoranthene	50.0	33.0		66.0		46.0 - 120		
Benzo(k)fluoranthene	50.0	34.2		68.4		46.0 - 120		
Benzo(g,h,i)perylene	50.0	32.8		65.6		48.0 - 121		
Benzo(a)pyrene	50.0	33.7		67.4		47.0 - 120		
Carbazole	50.0	31.4		62.8		51.0 - 122		
Chrysene	50.0	32.9		65.8		48.0 - 120		
Dibenz(a,h)anthracene	50.0	32.4		64.8		47.0 - 120		
Dibenzofuran	50.0	30.7		61.4		44.0 - 120		
Fluorene	50.0	30.9		61.8		47.0 - 120		
Fluoranthene	50.0	32.8		65.6		51.0 - 120		
Indeno(1,2,3-cd)pyrene	50.0	31.1		62.2		49.0 - 122		
1-Methylnaphthalene	50.0	26.4		52.8		33.0 - 120		
2-Methylnaphthalene	50.0	25.6		51.2		33.0 - 120		
Phenanthrene	50.0	30.0		60.0		46.0 - 120		
Pyrene	50.0	30.8		61.6		47.0 - 120		
Naphthalene	50.0	25.1		50.2		27.0 - 120		
Bis(2-ethylhexyl)phthalate	50.0	29.2		58.4		43.0 - 122		
Di-n-butyl phthalate	50.0	30.5		61.0		49.0 - 121		
Di-n-octyl phthalate	50.0	29.4		58.8		42.0 - 125		
3&4-Methyl Phenol	50.0	22.8		45.6		31.0 - 120		
Pentachlorophenol	50.0	35.2		70.4		23.0 - 120		
Phenol	50.0	9.32		18.6		10.0 - 120		

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Lab Sample ID:	R3788956-2	**SDG:**	L1488626
Lab File ID:	0505_06	**Preparation Date/Time:**	05/05/22 04:51
Instrument ID:	BNAMS33	**Analysis Date/Time:**	05/05/22 12:22
Analytical Batch:	WG1858057	**Dilution Factor:**	1
Analytical Method:	8270E	**Matrix:**	GW

Sample ID	Lab Sample ID	Instrument	File ID	Analysis *date/time*
LCS	R3788956-1	BNAMS33	0505_05	05/05/22 12:01
EB02-042822-02	L1488626-01	BNAMS33	0505_15	05/05/22 15:53
OS	L1488145-02	BNAMS20	0506A_21	05/06/22 21:45
MS	R3789362-1	BNAMS20	0506A_22	05/06/22 22:07
MSD	R3789362-2	BNAMS20	0506A_23	05/06/22 22:29

Sample Narrative:

Dilution due to matrix impact.

5A-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID:	0211_05-1	**SDG:**	L1488626
Instrument ID:	BNAMS20	**Analytical Method:**	8270E
Analysis Date/Time:	02/11/22 10:56		

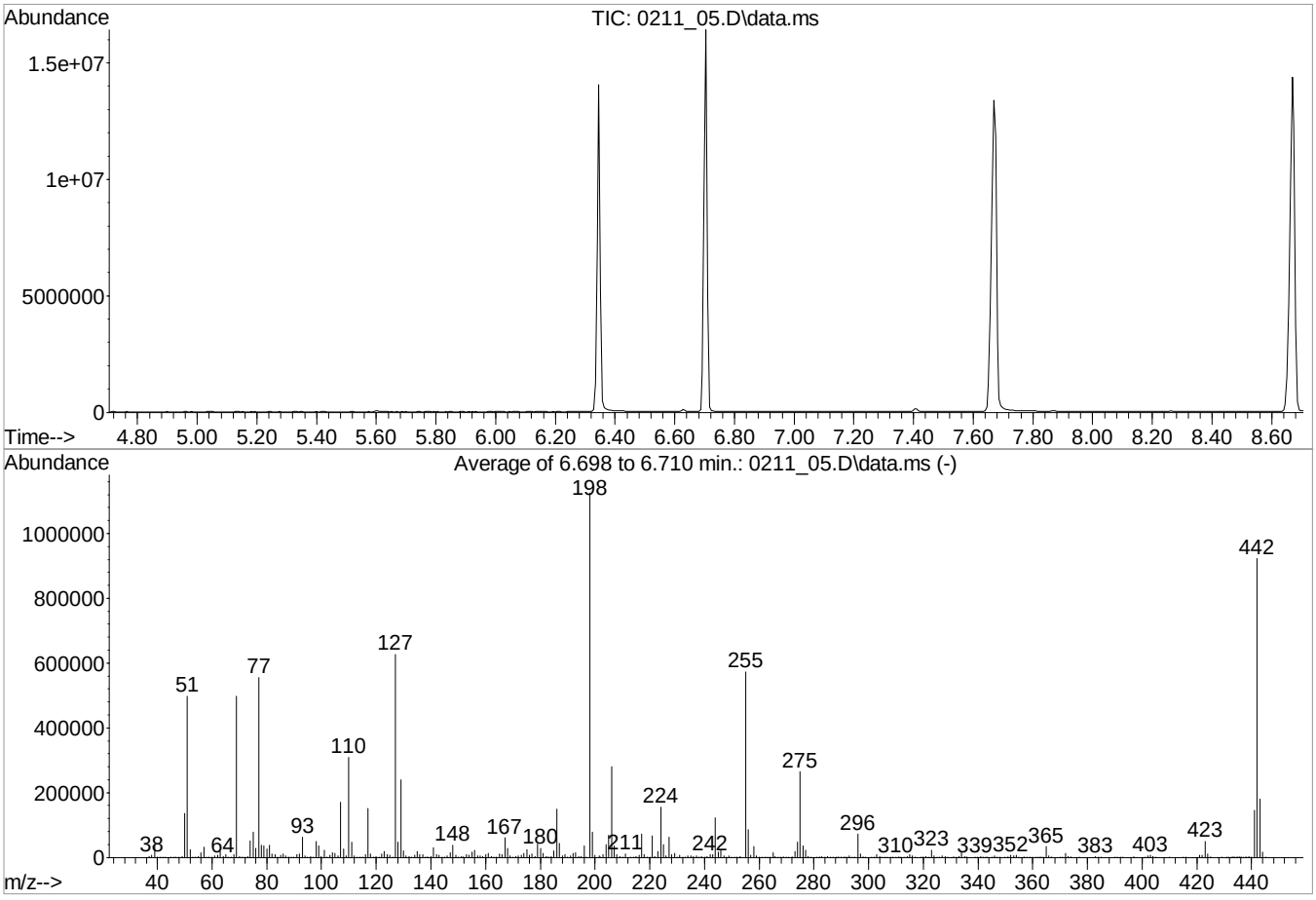
Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
51	198	10	80	44
68	69	0	2	2
69	69	100	100	100
70	69	0	2	0
127	198	10	80	56
197	198	0	2	0
198	198	50	100	100
199	198	5	9	7
275	198	10	60	24
365	198	1	100	3
441	442	0.0001	24	16
442	198	50	100	82
443	442	15	24	20

Sample ID	Lab Sample ID	File ID	Analysis date/time
STD-200	200	0211_07	02/11/22 11:40
STD-1000	1000	0211_08	02/11/22 12:02
STD-2000	2000	0211_09	02/11/22 12:23
STD-5000	5000	0211_10	02/11/22 12:45
STD-10000	10000	0211_11	02/11/22 13:07
STD-20000	20000	0211_12	02/11/22 13:29
STD-30000	30000	0211_13	02/11/22 13:51
STD-40000	40000	0211_14	02/11/22 14:13
STD-50000	50000	0211_15	02/11/22 14:35
STD-1K1	1K1	0211_16	02/11/22 14:57
STD-2K1	2K1	0211_17	02/11/22 15:19
STD-5K1	5K1	0211_18	02/11/22 15:41
STD-10K1	10K1	0211_19	02/11/22 16:03
STD-20K1	20K1	0211_20	02/11/22 16:25
STD-30K1	30K1	0211_21	02/11/22 16:46
STD-40K1	40K1	0211_22	02/11/22 17:08
STD-50K1	50K1	0211_23	02/11/22 17:30
STD-40	40	0211_24	02/11/22 17:52
SSCV	BNAMS200211220211_25-1577303	0211_25-1	02/11/22 18:14
SSCV	BNAMS200211220211_26-1577303	0211_26-1	02/11/22 18:36

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 05.D
Acq On : 11 Feb 2022 10:56 am
Operator : 917
Sample : TUNE DFTPP 50 PPM 22A19874 exp 7/19/22
Misc : DFTPP TUNE
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\TUNED.M
Title : 8270 BNA
Last Update : Fri Feb 11 13:11:50 2022



Spectrum Information: Average of 6.698 to 6.710 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	44.2	497331	PASS
68	69	0.00	2	1.6	7982	PASS
69	69	100	100	100.0	496870	PASS
70	69	0.00	2	0.5	2623	PASS
127	198	10	80	55.7	627285	PASS
197	198	0.00	2	0.1	1098	PASS
198	198	50	100	100.0	1125632	PASS
199	198	5	9	6.9	77251	PASS
275	198	10	60	23.5	264555	PASS
365	198	1	100	2.9	33016	PASS
441	442	0.01	24	15.7	144581	PASS
442	198	50	100	82.0	922987	PASS
443	442	15	24	19.6	180957	PASS

5A-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID:	0506A_02T	**SDG:**	L1488626
Instrument ID:	BNAMS20	**Analytical Method:**	8270E
Analysis Date/Time:	05/06/22 14:35		

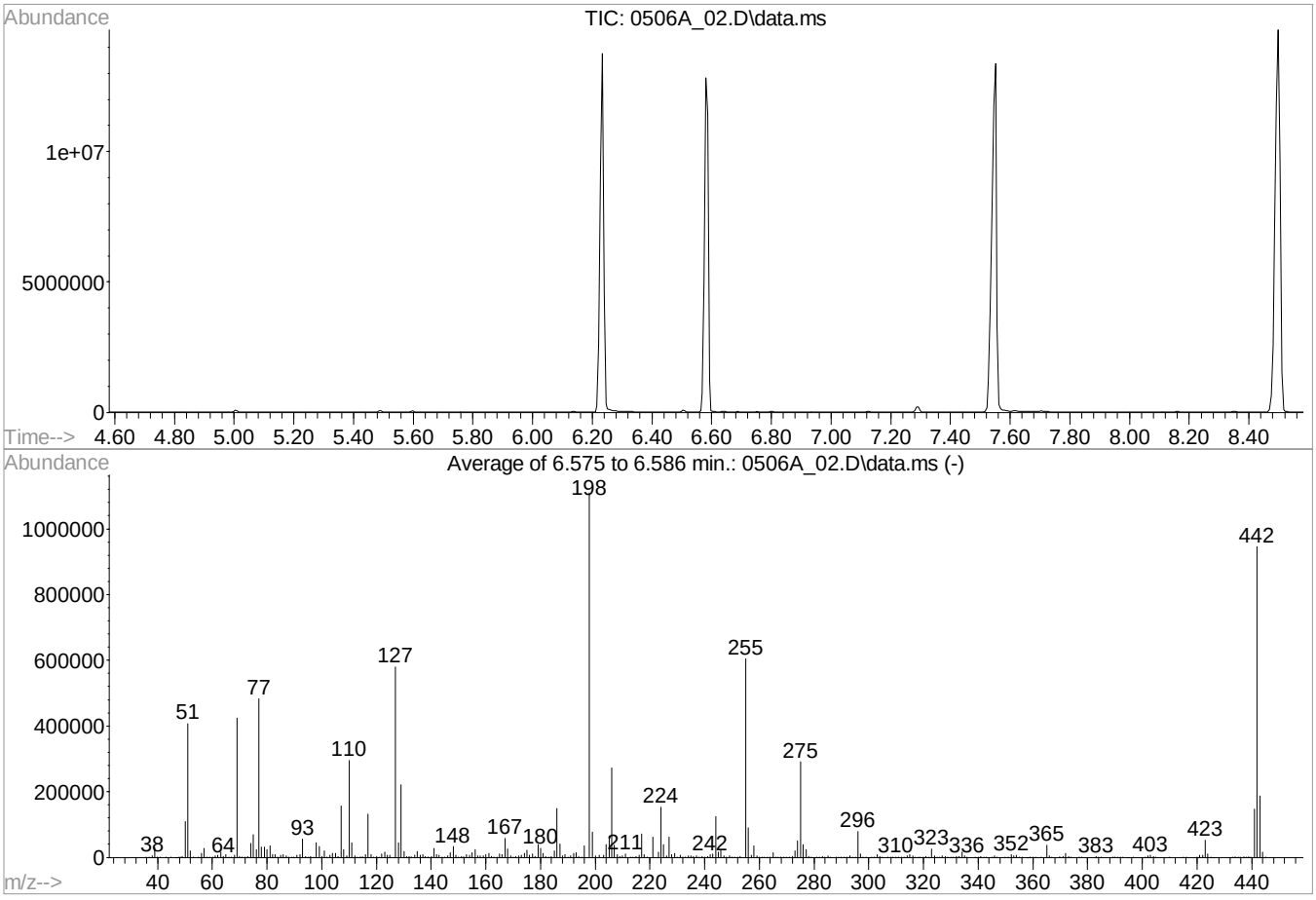
Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
51	198	10	80	37
68	69	0	2	2
69	69	100	100	100
70	69	0	2	1
127	198	10	80	52
197	198	0	2	0
198	198	50	100	100
199	198	5	9	7
275	198	10	60	26
365	198	1	100	3
441	442	0.0001	24	16
442	198	50	100	85
443	442	15	24	20

Sample ID	Lab Sample ID	File ID	Analysis date/time
ICV	BNAMS20050622A0506A_04-1577303	0506A_04-1	05/06/22 15:23
ICV	BNAMS20050622A0506A_05-1577303	0506A_05-1	05/06/22 15:45
OS	L1488145-02	0506A_21	05/06/22 21:45
MS	R3789362-1	0506A_22	05/06/22 22:07
MSD	R3789362-2	0506A_23	05/06/22 22:29

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 02.D
Acq On : 6 May 2022 2:35 pm
Operator : 917
Sample : TUNE DFTPP 50 PPM 22C25374 exp 8/11/22
Misc : DFTPP TUNE
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\TUNED.M
Title : 8270 BNA
Last Update : Fri Feb 11 13:11:50 2022



Spectrum Information: Average of 6.575 to 6.586 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.6	406485	PASS
68	69	0.00	2	1.7	7382	PASS
69	69	100	100	100.0	424171	PASS
70	69	0.00	2	0.6	2343	PASS
127	198	10	80	52.3	580053	PASS
197	198	0.00	2	0.0	0	PASS
198	198	50	100	100.0	1109653	PASS
199	198	5	9	7.0	77291	PASS
275	198	10	60	26.2	291051	PASS
365	198	1	100	3.4	37910	PASS
441	442	0.01	24	15.6	147733	PASS
442	198	50	100	85.3	946752	PASS
443	442	15	24	19.8	187443	PASS

5A-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID:	0318_005-1	**SDG:**	L1488626
Instrument ID:	BNAMS33	**Analytical Method:**	8270E
Analysis Date/Time:	03/18/22 16:22		

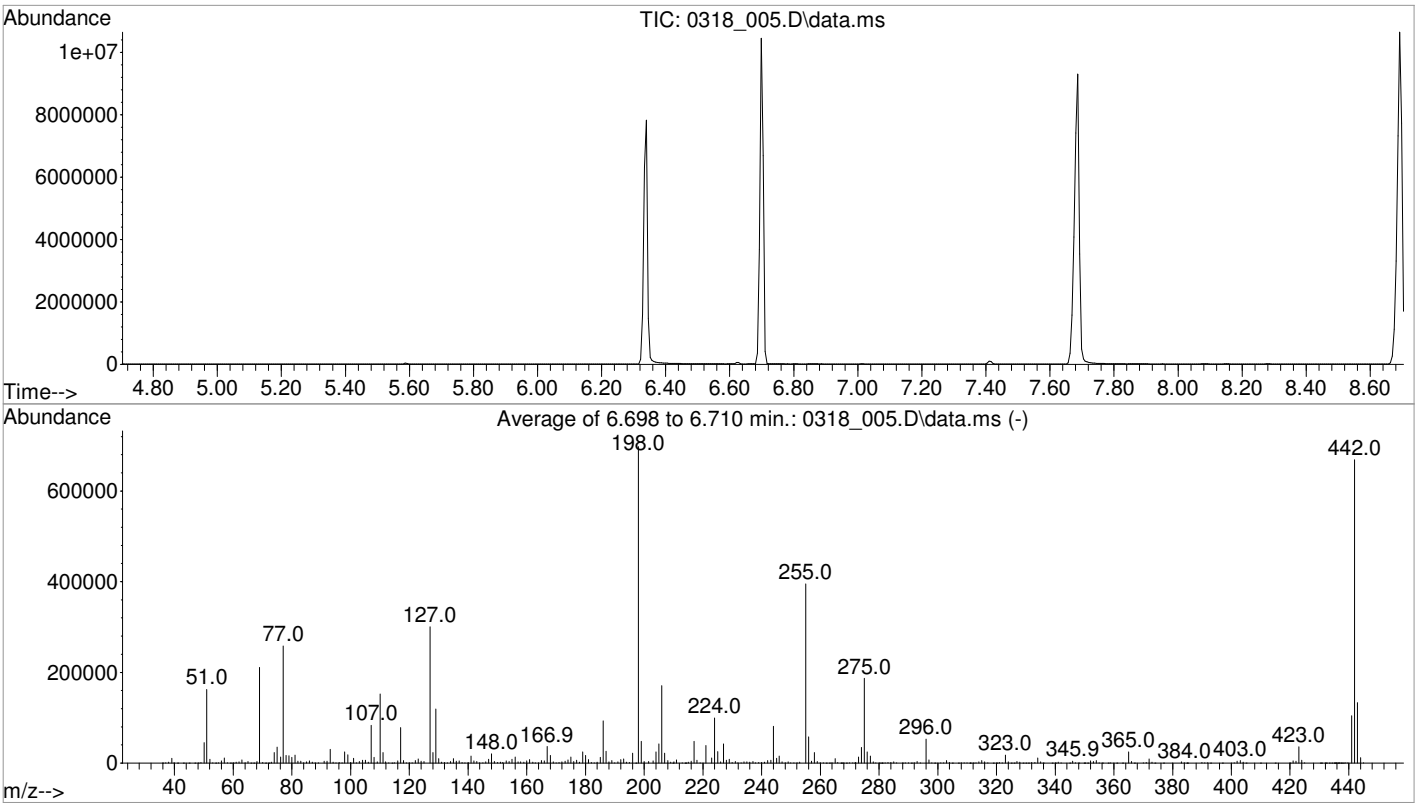
Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
51	198	10	80	23
68	69	0	2	2
69	69	100	100	100
70	69	0	2	1
127	198	10	80	43
197	198	0	2	0
198	198	50	100	100
199	198	5	9	7
275	198	10	60	27
365	198	1	100	4
441	442	0.0001	24	16
442	198	50	100	96
443	442	15	24	20

Sample ID	Lab Sample ID	File ID	Analysis date/time
STD-40	40	0318_006	03/18/22 16:44
STD-200	200	0318_007	03/18/22 17:05
STD-1000	1000	0318_008	03/18/22 17:27
STD-2000	2000	0318_009	03/18/22 17:48
STD-5000	5000	0318_010	03/18/22 18:09
STD-10000	10000	0318_011	03/18/22 18:31
STD-20000	20000	0318_012	03/18/22 18:52
STD-30000	30000	0318_013	03/18/22 19:13
STD-40000	40000	0318_014	03/18/22 19:35
STD-50000	50000	0318_015	03/18/22 19:56
STD-1K1	1K1	0318_016	03/18/22 20:17
STD-2K1	2K1	0318_017	03/18/22 20:39
STD-5K1	5K1	0318_018	03/18/22 21:00
STD-10K1	10K1	0318_019	03/18/22 21:22
STD-20K1	20K1	0318_020	03/18/22 21:43
STD-30K1	30K1	0318_021	03/18/22 22:04
STD-40K1	40K1	0318_022	03/18/22 22:26
STD-50K1	50K1	0318_023	03/18/22 22:47
SSCV	BNAMS330318220318_024-1573465	0318_024-1	03/18/22 23:08
SSCV	BNAMS330318220318_029-1573465	0318_029-1	03/23/22 11:21

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_005.D
Acq On : 18 Mar 2022 04:22 pm
Operator : 917
Sample : TUNE SVMS 50 ppm 22C15958 exp 08/11/22
Misc : DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e

Method : C:\GCMS\1\methods\TUNED.M
Title :
Last Update : Wed Mar 16 10:48:52 2022



Spectrum Information: Average of 6.698 to 6.710 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	23.3	162561	PASS
68	69	0.00	2	1.8	3841	PASS
69	69	100	100	100.0	210992	PASS
70	69	0.00	2	0.7	1441	PASS
127	198	10	80	43.1	300589	PASS
197	198	0.00	2	0.0	191	PASS
198	198	50	100	100.0	697531	PASS
199	198	5	9	6.8	47748	PASS
275	198	10	60	26.8	186660	PASS
365	198	1	100	3.5	24572	PASS
441	442	0.01	24	15.6	104667	PASS
442	198	50	100	95.9	668928	PASS
443	442	15	24	19.9	133304	PASS

5A-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID:	0505_02T	**SDG:**	L1488626
Instrument ID:	BNAMS33	**Analytical Method:**	8270E
Analysis Date/Time:	05/05/22 09:55		

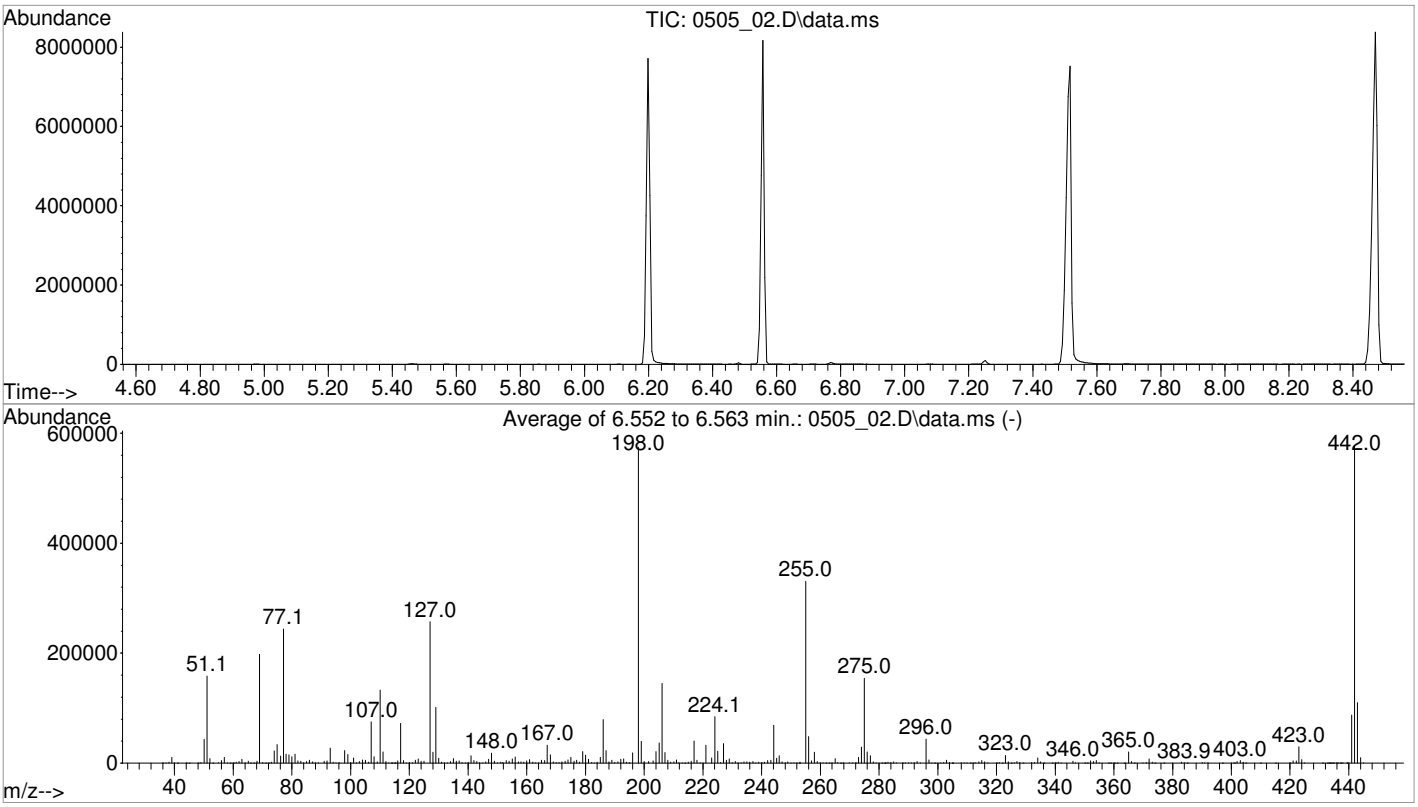
Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
51	442	10	80	28
68	69	0	2	2
69	69	100	100	100
70	69	0	2	0
127	442	10	80	45
197	198	0	2	0
198	442	50	100	100
199	198	5	9	7
275	442	10	60	27
365	198	1	100	4
441	442	0.0001	24	15
442	442	50	100	100
443	442	15	24	19

Sample ID	Lab Sample ID	File ID	Analysis date/time
ICV	BNAMS330505220505_03-1573465	0505_03-1	05/05/22 10:17
ICV	BNAMS330505220505_04-1573465	0505_04-1	05/05/22 10:38
LCS	R3788956-1	0505_05	05/05/22 12:01
BLANK	R3788956-2	0505_06	05/05/22 12:22
EB02-042822-02	L1488626-01	0505_15	05/05/22 15:53

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_02.D
Acq On : 05 May 2022 09:55 am
Operator : 917
Sample : TUNE SVMS 50 ppm 22D19602 exp 05/16/22
Misc : DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e

Method : C:\GCMS\1\methods\TUNED.M
Title :
Last Update : Thu Apr 07 10:40:50 2022



Spectrum Information: Average of 6.552 to 6.563 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	442	10	80	27.5	158285	PASS
68	69	0.00	2	1.8	3496	PASS
69	69	100	100	100.0	198229	PASS
70	69	0.00	2	0.5	1013	PASS
127	442	10	80	44.7	257189	PASS
197	198	0.00	2	0.0	0	PASS
198	442	50	100	99.9	574763	PASS
199	198	5	9	6.9	39481	PASS
275	442	10	60	26.9	154563	PASS
365	198	1	100	3.6	20505	PASS
441	442	0.01	24	15.1	87176	PASS
442	442	50	100	100.0	575509	PASS
443	442	15	24	19.1	109984	PASS

INTERNAL STANDARD AND RETENTION TIME

SDG:	L1488626	**Analytical Method:**	8270E
Instrument ID:	BNAMS20	**Calibration Start Date:**	02/11/22 11:40
Std File:	0506A_04-1	**Calibration End Date:**	02/11/22 17:52
		Std Analysis Date:	05/06/22 15:23

Sample ID	File ID	1,4-DCB		ACE		CHR		NAP	
		Response	*RT*	*Response*	*RT*	*Response*	*RT*	*Response*	*RT*
STANDARD		299875	3.34	680766	5.25	1001766	9.13	1228612	4.08
UPPER LIMIT		599750		1361532		2003532		2457224	
LOWER LIMIT		149938		340383		500883		614306	
OS L1488145-02 WG1858057 50x	0506A_21	394533	3.34	948053	5.24	1373935	9.12	1627731	4.08
MS R3789362-1 WG1858057 50x	0506A_22	380735	3.34	904271	5.24	1278638	9.12	1569673	4.08
MSD R3789362-2 WG1858057 50x	0506A_23	378602	3.34	896096	5.24	1275555	9.12	1573220	4.08

1,4-DCB - 1,4-DICHLOROBENZENE-D4 ACE - ACENAPHTHENE-D10
CHR - CHRYSENE-D12 NAP - NAPHTHALENE-D8
PER - PERYLENE-D12 PHEN - PHENANTHRENE-D10

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

INTERNAL STANDARD AND RETENTION TIME

SDG:	L1488626	**Analytical Method:**	8270E
Instrument ID:	BNAMS20	**Calibration Start Date:**	02/11/22 11:40
Std File:	0506A_04-1	**Calibration End Date:**	02/11/22 17:52
		Std Analysis Date:	05/06/22 15:23

Sample ID	File ID	PER		PHEN	
		Response	*RT*	*Response*	*RT*
STANDARD		937358	11.78	1220254	6.36
UPPER LIMIT		1874716		2440508	
LOWER LIMIT		468679		610127	
OS L1488145-02 WG1858057 50x	0506A_21	1224366	11.77	1742541	6.36
MS R3789362-1 WG1858057 50x	0506A_22	1131728	11.77	1635077	6.36
MSD R3789362-2 WG1858057 50x	0506A_23	1133368	11.77	1623422	6.36

1,4-DCB - 1,4-DICHLOROBENZENE-D4 ACE - ACENAPHTHENE-D10
CHR - CHRYSENE-D12 NAP - NAPHTHALENE-D8
PER - PERYLENE-D12 PHEN - PHENANTHRENE-D10

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

INTERNAL STANDARD AND RETENTION TIME

SDG:	L1488626	**Analytical Method:**	8270E
Instrument ID:	BNAMS33	**Calibration Start Date:**	03/18/22 16:44
Std File:	0505_03-1	**Calibration End Date:**	03/18/22 22:47
		Std Analysis Date:	05/05/22 10:17

Sample ID	File ID	1,4-DCB		ACE		CHR		NAP	
		Response	*RT*	*Response*	*RT*	*Response*	*RT*	*Response*	*RT*
STANDARD		143708	3.30	336393	5.22	655198	9.14	551677	4.05
UPPER LIMIT		287416		672786		1310396		1103354	
LOWER LIMIT		71854		168197		327599		275839	
LCS R3788956-1 WG1858057 1x	0505_05	147461	3.30	357847	5.23	695830	9.16	632346	4.05
BLANK R3788956-2 WG1858057 1x	0505_06	135364	3.30	317368	5.22	626723	9.14	517699	4.05
L1488626-01 WG1858057 1x	0505_15	143979	3.30	349894	5.22	597859	9.15	558813	4.05

1,4-DCB - 1,4-DICHLOROBENZENE-D4 ACE - ACENAPHTHENE-D10
CHR - CHRYSENE-D12 NAP - NAPHTHALENE-D8
PER - PERYLENE-D12 PHEN - PHENANTHRENE-D10

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

8A-OR

INTERNAL STANDARD AND RETENTION TIME

SDG:	L1488626	**Analytical Method:**	8270E
Instrument ID:	BNAMS33	**Calibration Start Date:**	03/18/22 16:44
Std File:	0505_03-1	**Calibration End Date:**	03/18/22 22:47
		Std Analysis Date:	05/05/22 10:17

Sample ID	File ID	PER		PHEN	
		Response	*RT*	*Response*	*RT*
STANDARD		610792	11.82	672546	6.35
UPPER LIMIT		1221584		1345092	
LOWER LIMIT		305396		336273	
LCS R3788956-1 WG1858057 1x	0505_05	671925	11.84	719924	6.36
BLANK R3788956-2 WG1858057 1x	0505_06	620965	11.82	653281	6.35
L1488626-01 WG1858057 1x	0505_15	529739	11.83	691019	6.35

1,4-DCB - 1,4-DICHLOROBENZENE-D4 ACE - ACENAPHTHENE-D10
CHR - CHRYSENE-D12 NAP - NAPHTHALENE-D8
PER - PERYLENE-D12 PHEN - PHENANTHRENE-D10

*: Value outside the established quality control limits.
D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
EB02-042822-02

Lab Sample ID:	L1488626-01	**SDG:**	L1488626
Client Sample ID:	EB02-042822-02	**Collected Date/Time:**	04/28/22 12:00
Lab File ID:	0505_15	**Received Date/Time:**	05/03/22 09:30
Instrument ID:	BNAMS33	**Preparation Date/Time:**	05/05/22 04:53
Analytical Batch:	WG1858057	**Analysis Date/Time:**	05/05/22 15:53
Dilution Factor:	1	**Prep Method:**	3510C
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	100 mL
Total Solids (%):	_____	**Final Wt/Vol:**	0.5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acenaphthene	83-32-9	0	U		0.0886	1.00
Acenaphthylene	208-96-8	0	U		0.0921	1.00
Anthracene	120-12-7	6.35	U		0.0804	1.00
Benzoic Acid	65-85-0	4.05	U		1.70	50.0
Benzo(a)anthracene	56-55-3	9.14	U		0.199	1.00
Benzo(b)fluoranthene	205-99-2	11.05	U		0.130	1.00
Benzo(k)fluoranthene	207-08-9	11.10	U		0.120	1.00
Benzo(g,h,i)perylene	191-24-2	0	U		0.121	1.00
Benzo(a)pyrene	50-32-8	0	U		0.0381	1.00
Carbazole	86-74-8	0	U		0.111	10.0
Chrysene	218-01-9	9.19	U		0.130	1.00
Dibenz(a,h)anthracene	53-70-3	0	U		0.0644	1.00
Dibenzofuran	132-64-9	0	U		0.0970	10.0
Fluorene	86-73-7	0	U		0.0844	1.00
Fluoranthene	206-44-0	7.38	U		0.102	1.00
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.279	1.00
1-Methylnaphthalene	90-12-0	0	U		0.0790	1.00
2-Methylnaphthalene	91-57-6	0	U		0.117	1.00
Phenanthrene	85-01-8	6.35	U		0.112	1.00
Pyrene	129-00-0	7.60	U		0.107	1.00
Naphthalene	91-20-3	4.06	U		0.159	1.00
Bis(2-ethylhexyl)phthalate	117-81-7	9.22	U		0.895	3.00
Di-n-butyl phthalate	84-74-2	6.80	U		0.453	3.00
Di-n-octyl phthalate	117-84-0	10.52	U		0.932	3.00
3&4-Methyl Phenol	3&4-Methyl Phenol	3.52	U		0.168	10.0
Pentachlorophenol	87-86-5	0	U		0.313	10.0
Phenol	108-95-2	3.10	U		4.33	10.0

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_15.D
Acq On : 05 May 2022 03:53 pm
Operator : 917
Sample : L1488626-01 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 61 Sample Multiplier: 1

Quant Time: May 06 12:58:45 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration

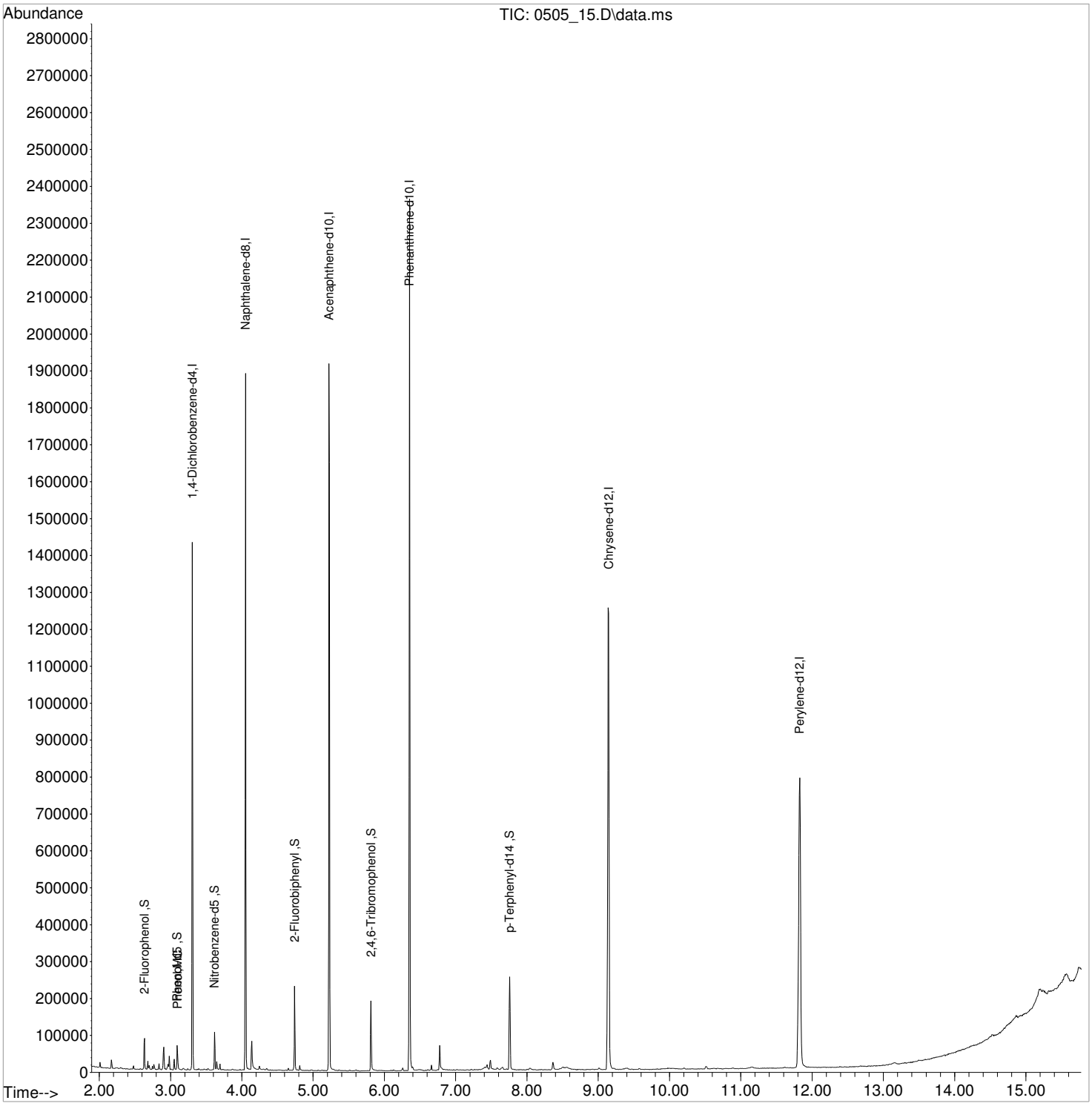
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.305	152	143979	8000.0000000	ppb	-0.02
23) Naphthalene-d8	4.052	136	558813	8000.0000000	ppb	-0.02
46) Acenaphthene-d10	5.222	164	349894	8000.0000000	ppb	-0.03
70) Phenanthrene-d10	6.352	188	691019	8000.0000000	ppb	-0.04
84) Chrysene-d12	9.146	240	597859	8000.0000000	ppb	-0.05
94) Perylene-d12	11.828	264	529739	8000.0000000	ppb	-0.07
System Monitoring Compounds						
4) 2-Fluorophenol	2.634	112	18882	875.2077891	ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 21.88%			
7) Phenol-d5	3.093	99	15837	576.8027761	ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 14.42%			
24) Nitrobenzene-d5	3.617	82	22767	985.4039370	ppb	-0.02
Spiked Amount 2000.000	Range 10 - 126		Recovery = 49.27%			
50) 2-Fluorobiphenyl	4.740	172	52000	887.6827869	ppb	-0.03
Spiked Amount 2000.000	Range 22 - 127		Recovery = 44.38%			
73) 2,4,6-Tribromophenol	5.811	330	16972	1892.1264244	ppb	-0.03
Spiked Amount 4000.000	Range 10 - 153		Recovery = 47.30%			
87) p-Terphenyl-d14	7.757	244	86864	1119.2602639	ppb	-0.05
Spiked Amount 2000.000	Range 29 - 141		Recovery = 55.96%			
Target Compounds						Qvalue
8) Phenol	3.099	94	5274	191.0034256	ppb	94

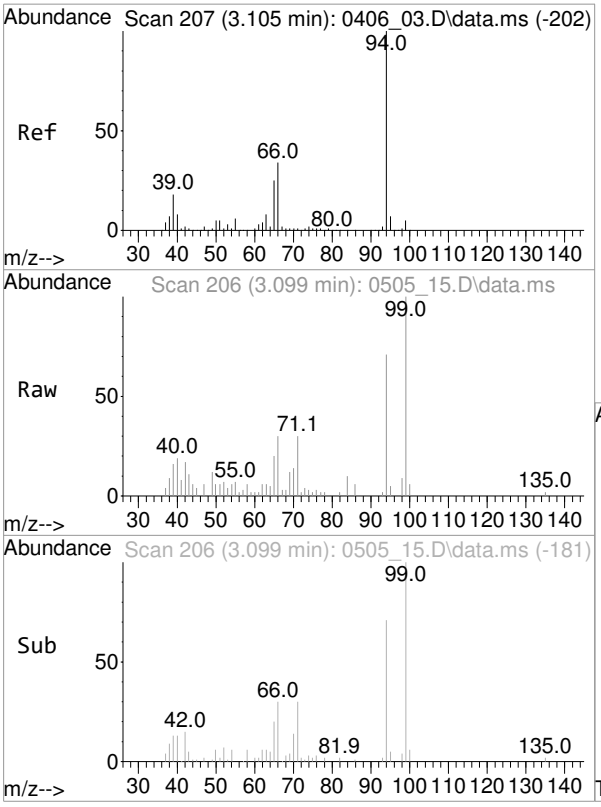
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_15.D
Acq On : 05 May 2022 03:53 pm
Operator : 917
Sample : L1488626-01 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 61 Sample Multiplier: 1

Quant Time: May 06 12:58:45 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration

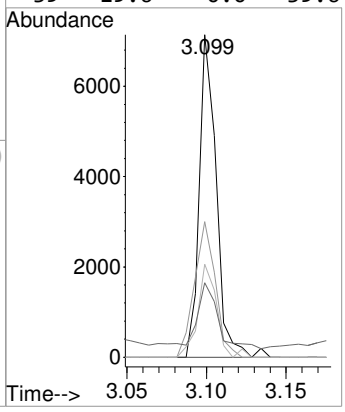




#8
Phenol
Concen: 191.0034256 ppb
RT: 3.099 min Scan# 206
Delta R.T. -0.006 min
Lab File: 0505_15.D
Acq: 05 May 2022 03:53 pm

Tgt Ion: 94 Resp: 5274

Ion	Ratio	Lower	Upper
94	100		
66	42.1	15.8	55.8
65	28.9	6.4	46.4
39	19.6	0.0	39.6



6A-OR

GC/MS INITIAL CALIBRATION DATA

SDG: L1488626 **Analytical Method:** 8270E

Instrument ID: BNAMS20

Analyte	**RRF: 40**	**RRF: 200**	**RRF: 1000**	**RRF: 2000**	**RRF: 5000**	**RRF: 10000**	**RRF: 20000**	**RRF: 30000**	**RRF: 40000**	**RRF: 50000**
Analysis date/time	02/11/22 17:52	02/11/22 11:40	02/11/22 12:02	02/11/22 12:23	02/11/22 12:45	02/11/22 13:07	02/11/22 13:29	02/11/22 13:51	02/11/22 14:13	02/11/22 14:35
NAPHTHALENE	1.1010	1.0340	0.9830	0.9610	0.9510	0.9570	0.8930	0.8440	0.7890	0.7370
2-METHYLNAPHTHALENE	0.6050	0.64	0.6260	0.6220	0.6070	0.6170	0.6140	0.6020	0.5730	0.5480
1-METHYLNAPHTHALENE	0.5550	0.6010	0.6030	0.5960	0.5820	0.5960	0.5840	0.5730	0.5550	0.5370
ACENAPHTHYLENE	1.5070	1.6260	1.68	1.6730	1.6090	1.6620	1.6070	1.5480	1.4660	1.3820
ACENAPHTHENE	1.0560	1.1860	1.1660	1.12	1.0870	1.1130	1.1040	1.09	1.0580	1.0210
DIBENZOFURAN	1.52	1.6220	1.5690	1.53	1.4580	1.4990	1.4420	1.3930	1.3350	1.2720
FLUORENE	1.1480	1.3240	1.3130	1.2780	1.2480	1.2930	1.2650	1.2480	1.1950	1.1550
PENTACHLOROPHENOL	0.0550	0.0670	0.08	0.0880	0.0940	0.1080	0.1160	0.1240	0.13	0.1310
PHENANTHRENE	1.2230	1.1440	1.0640	1.0540	1.0050	1.0350	1.0010	0.9630	0.9140	0.8590
ANTHRACENE	0.9540	1.0650	1.0210	1.0440	1.0210	1.0620	1.0140	0.9810	0.9310	0.8680
FLUORANTHENE	1.0250	1.0480	0.9960	1.0190	0.9920	1.0320	1.02	0.9950	0.9530	0.9160
PYRENE	1.28	1.3380	1.2370	1.2470	1.2190	1.2680	1.2370	1.2230	1.1670	1.1440
BENZO(A)ANTHRACENE	1.7830	1.2190	1.0790	1.1210	1.0980	1.1360	1.1330	1.13	1.11	1.1030
CHRYSENE	1.4260	1.4190	1.17	1.1340	1.0870	1.1180	1.0960	1.0890	1.0720	1.0610
BENZO(B)FLUORANTHENE	1.0770	1.1210	1.0110	1.0460	1.0510	1.1050	1.1090	1.1320	1.1390	1.1430
BENZO(K)FLUORANTHENE	0.8410	1.1240	1.0830	1.0460	1.0780	1.1140	1.1230	1.1560	1.1380	1.1310
BENZO(A)PYRENE	0.7410	0.8360	0.8170	0.8620	0.8940	0.9480	0.9650	0.9920	0.9910	0.9910
INDENO(1,2,3-CD)PYRENE	1.10	0.8570	0.8140	0.8460	0.8680	0.9280	0.9210	0.9440	0.9480	0.97
DIBENZ(A,H)ANTHRACENE	2.0550	0.9750	0.9150	0.9450	0.9640	1.0010	0.9980	1.0180	1.0270	1.0370
BENZO(G,H,I)PERYLENE	0.8990	1.0620	0.9590	0.9660	0.9750	1.0050	1.0030	1.01	0.9980	0.9970
PHENOL		1.50	1.5470	1.5140	1.5160	1.5590	1.5280	1.5060	1.4930	1.4990
3&4-METHYL PHENOL		1.3180	1.2920	1.2720	1.2880	1.3150	1.3290	1.3230	1.3110	1.3250
CARBAZOLE		1.0110	0.9730	0.9830	0.9760	1	0.9610	0.9410	0.9050	0.8450
DI-N-BUTYL PHTHALATE		1.0620	1.0890	1.1430	1.1530	1.2240	1.1680	1.1160	1.03	0.9250
BIS(2-ETHYLHEXYL)PHTHALATE		0.6370	0.6420	0.7010	0.7550	0.8440	0.90	0.9240	0.9120	0.9190
DI-N-OCTYL PHTHALATE		0.9610	0.9270	1.0140	1.1420	1.3270	1.4260	1.4560	1.4310	1.42
2-FLUOROPHENOL		1.18	1.1370	1.1390	1.1460	1.1560	1.14	1.1230	1.1180	1.1230
PHENOL-D5		1.4940	1.4270	1.4350	1.4330	1.4540	1.4680	1.45	1.4530	1.4570
NITROBENZENE-D5		0.36	0.3450	0.3450	0.3510	0.3630	0.3150	0.3230	0.3230	0.3210
2-FLUOROBIPHENYL		1.2810	1.2170	1.1930	1.1420	1.1910	1.1570	1.1510	1.1090	1.0650
P-TERPHENYL-D14		1.0460	0.9350	0.9390	0.9140	0.9450	0.9420	0.9530	0.9210	0.9110
2,4,6-TRIBROMOPHENOL			0.0640	0.0680	0.0730	0.08	0.0850	0.0910	0.0950	0.0970
BENZOIC ACID										
File ID:	0211_24	0211_07	0211_08	0211_09	0211_10	0211_11	0211_12	0211_13	0211_14	0211_15

GC/MS INITIAL CALIBRATION DATA

SDG: L1488626 **Analytical Method:** 8270E

Instrument ID: BNAMS20

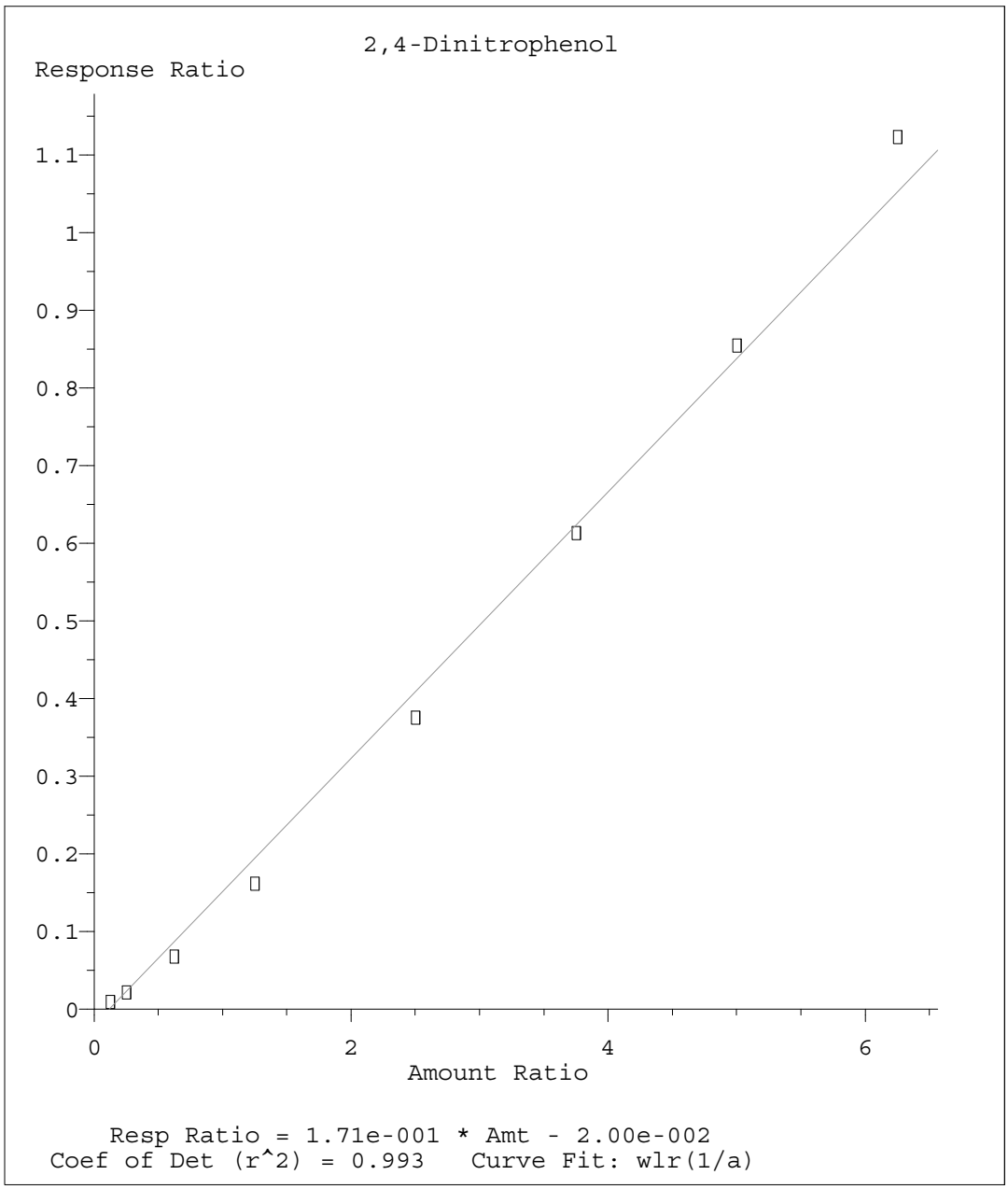
Analyte	**RRF: 1K1**	**RRF: 2K1**	**RRF: 5K1**	**RRF: 10K1**	**RRF: 20K1**	**RRF: 30K1**	**RRF: 40K1**	**RRF: 50K1**
Analysis date/time	02/11/22 14:57	02/11/22 15:19	02/11/22 15:41	02/11/22 16:03	02/11/22 16:25	02/11/22 16:46	02/11/22 17:08	02/11/22 17:30
NAPHTHALENE								
2-METHYLNAPHTHALENE								
1-METHYLNAPHTHALENE								
ACENAPHTHYLENE								
ACENAPHTHENE								
DIBENZOFURAN								
FLUORENE								
PENTACHLOROPHENOL								
PHENANTHRENE								
ANTHRACENE								
FLUORANTHENE								
PYRENE								
BENZO(A)ANTHRACENE								
CHRYSENE								
BENZO(B)FLUORANTHENE								
BENZO(K)FLUORANTHENE								
BENZO(A)PYRENE								
INDENO(1,2,3-CD)PYRENE								
DIBENZ(A,H)ANTHRACENE								
BENZO(G,H,I)PERYLENE								
PHENOL								
3&4-METHYL PHENOL								
CARBAZOLE								
DI-N-BUTYL PHTHALATE								
BIS(2-ETHYLHEXYL)PHTHALATE								
DI-N-OCTYL PHTHALATE								
2-FLUOROPHENOL								
PHENOL-D5								
NITROBENZENE-D5								
2-FLUOROBIPHENYL								
P-TERPHENYL-D14								
2,4,6-TRIBROMOPHENOL								
BENZOIC ACID	0.13	0.1470	0.1610	0.1570	0.1730	0.1640	0.1570	0.1490
File ID:	0211_16	0211_17	0211_18	0211_19	0211_20	0211_21	0211_22	0211_23

GC/MS INITIAL CALIBRATION DATA

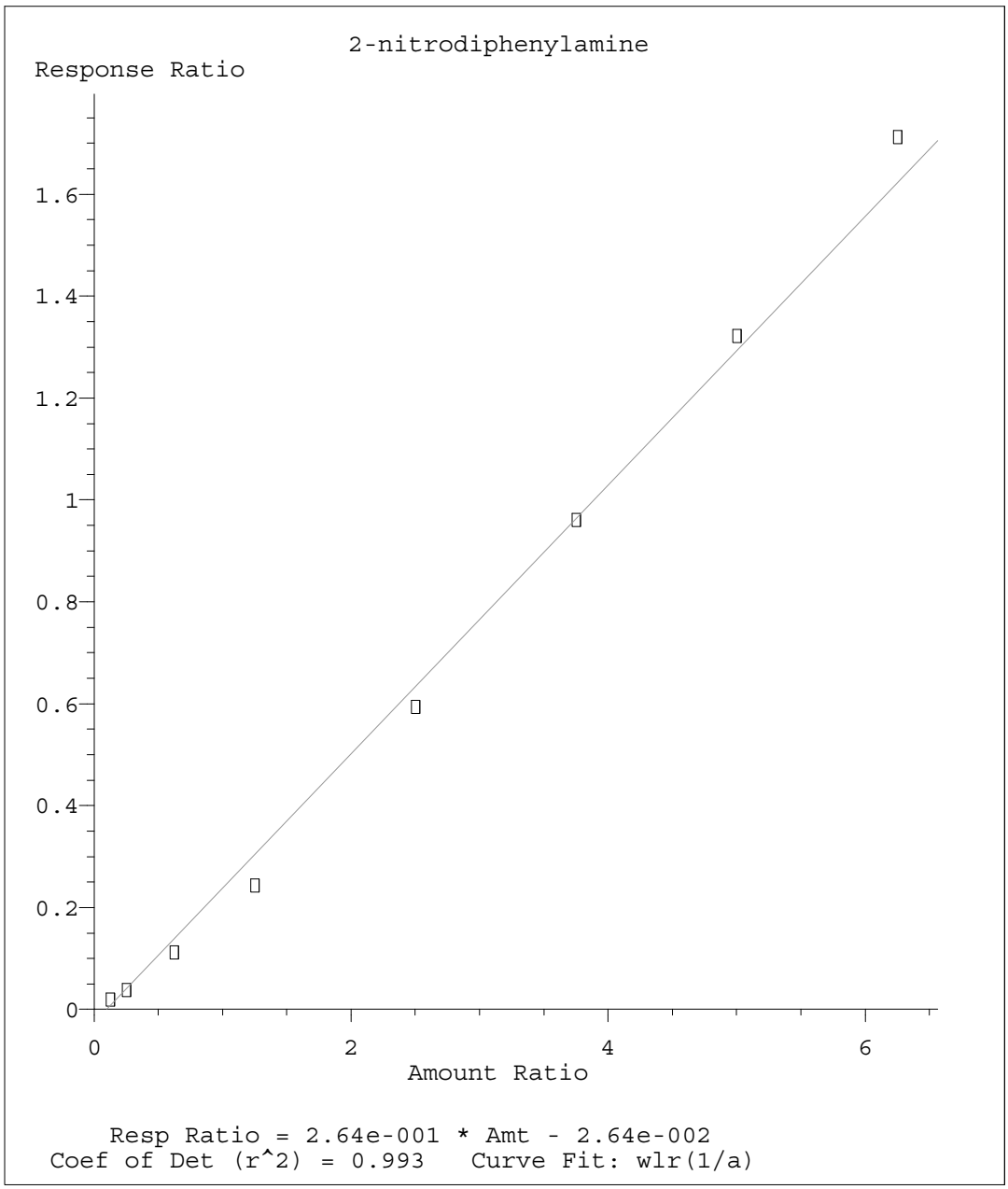
SDG: L1488626 **Analytical Method:** 8270E

Instrument ID: BNAMS20

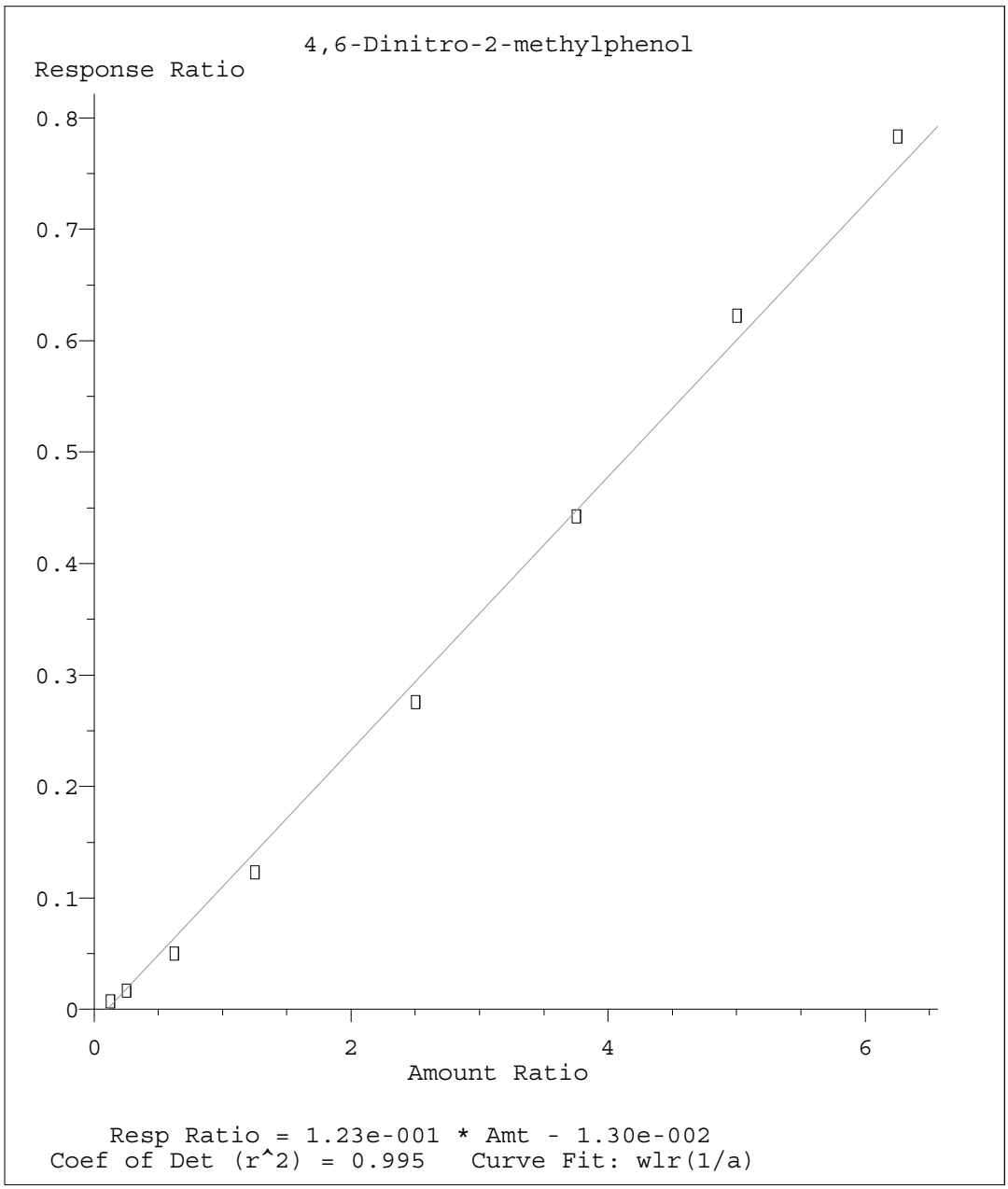
Analyte Analysis date/time	RRF. Avg	%RSD	COD
NAPHTHALENE	0.924899	11.99	
2-METHYLNAPHTHALENE	0.605229	4.43	
1-METHYLNAPHTHALENE	0.578152	3.93	
ACENAPHTHYLENE	1.575947	6.25	
ACENAPHTHENE	1.100041	4.56	
DIBENZOFURAN	1.463982	7.34	
FLUORENE	1.246631	4.99	
PENTACHLOROPHENOL	0.099138	26.91	0.994
PHENANTHRENE	1.026137	10.3	
ANTHRACENE	0.996099	6.32	
FLUORANTHENE	0.999513	3.94	
PYRENE	1.235972	4.45	
BENZO(A)ANTHRACENE	1.191209	17.74	1
CHRYSENE	1.167295	11.85	
BENZO(B)FLUORANTHENE	1.093318	4.13	
BENZO(K)FLUORANTHENE	1.083418	8.42	
BENZO(A)PYRENE	0.903627	9.71	
INDENO(1,2,3-CD)PYRENE	0.919587	8.85	
DIBENZ(A,H)ANTHRACENE	1.093444	31.08	0.999
BENZO(G,H,I)PERYLENE	0.98723	4.29	
PHENOL	1.517993	1.49	
3&4-METHYL PHENOL	1.308048	1.5	
CARBAZOLE	0.954893	5.44	
DI-N-BUTYL PHTHALATE	1.100979	7.99	
BIS(2-ETHYLHEXYL)PHTHALATE	0.803811	15.04	
DI-N-OCTYL PHTHALATE	1.233909	17.99	0.998
2-FLUOROPHENOL	1.14024	1.71	
PHENOL-D5	1.452305	1.4	
NITROBENZENE-D5	0.338405	5.43	
2-FLUOROBIPHENYL	1.167452	5.37	
P-TERPHENYL-D14	0.944949	4.27	
2,4,6-TRIBROMOPHENOL	0.081668	15.27	
BENZOIC ACID	0.15457	8.4	



Method Name: C:\msdchem\1\methods\S820B11AV.M



Method Name: C:\msdchem\1\methods\S820B11AV.M



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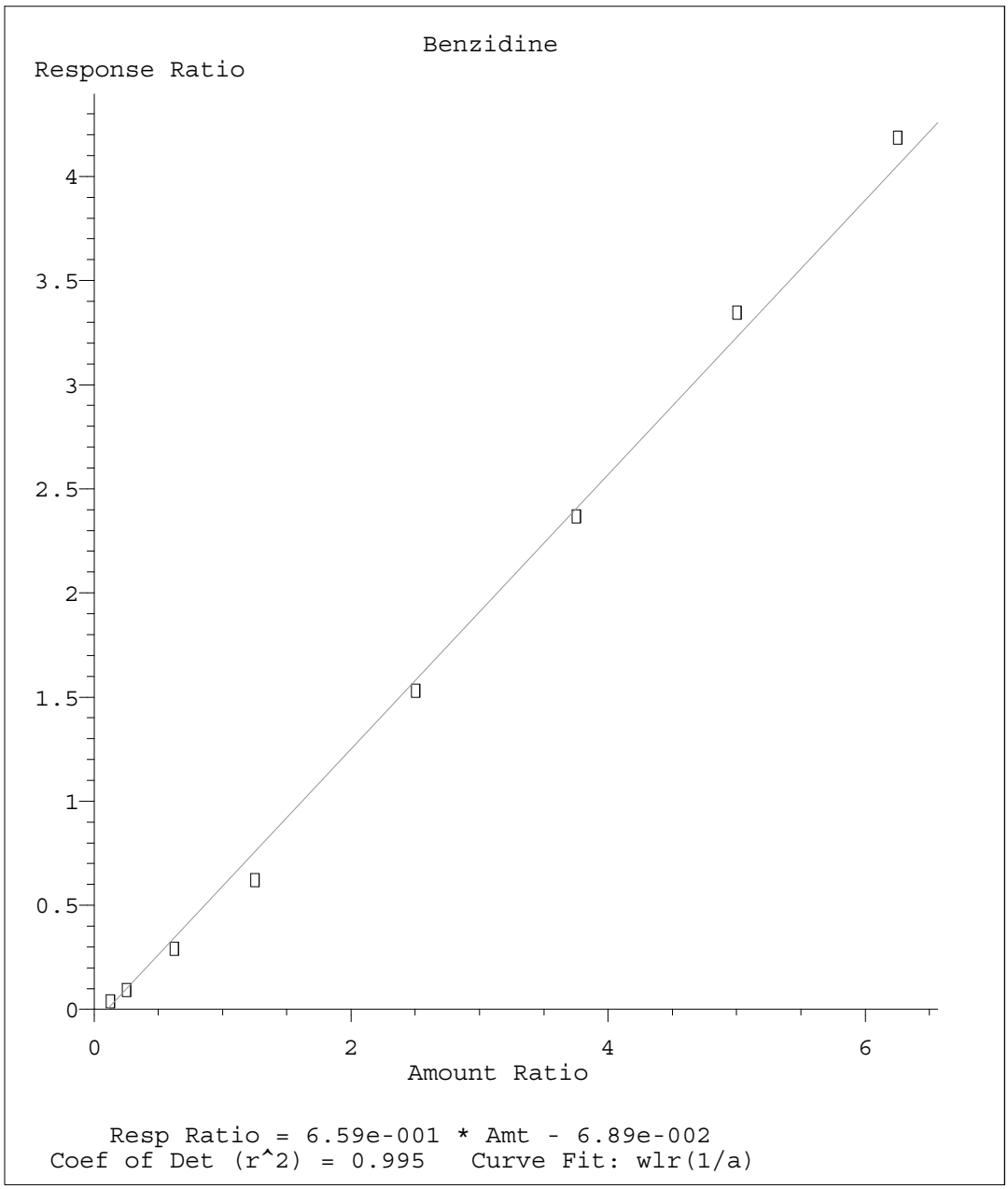
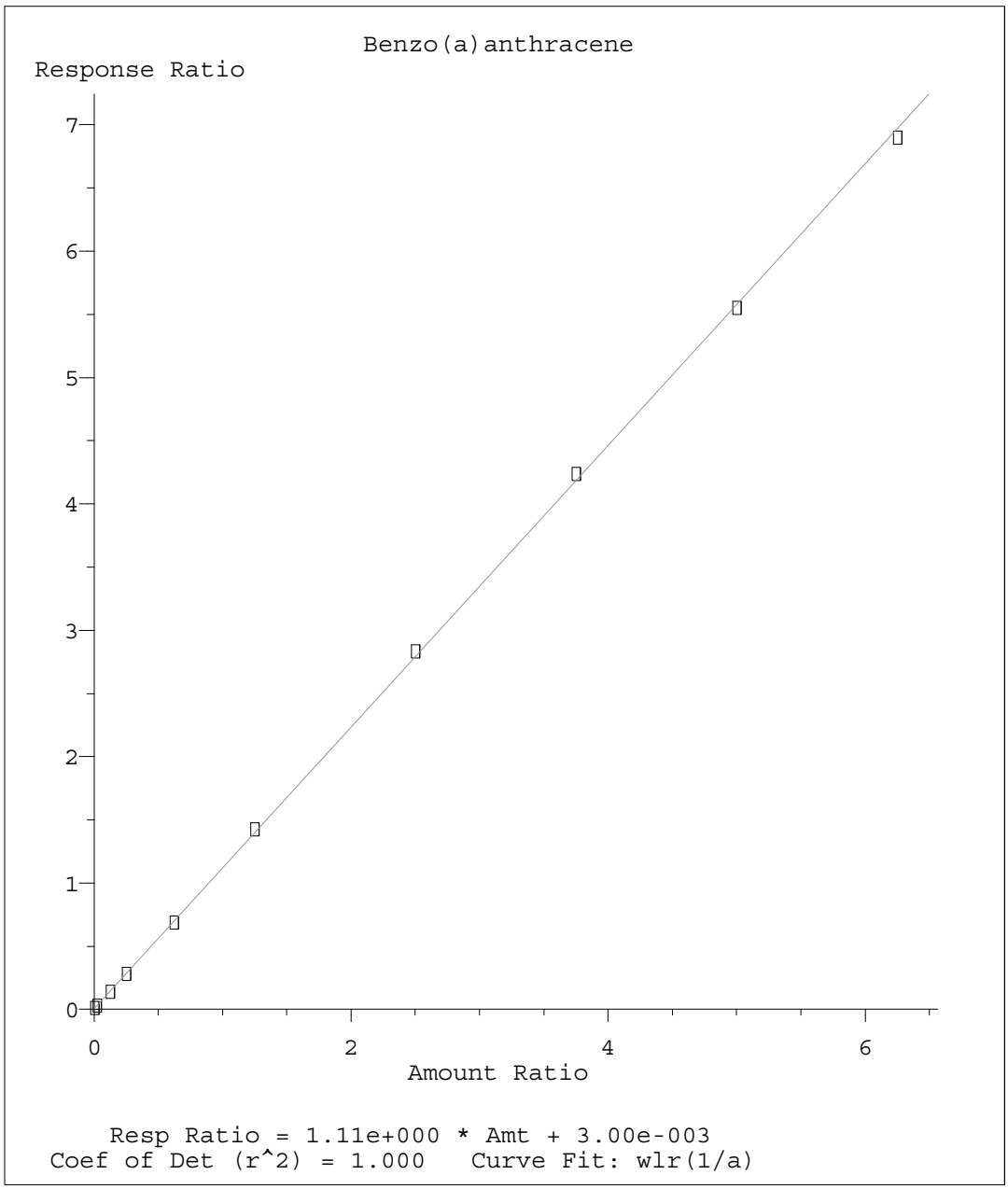
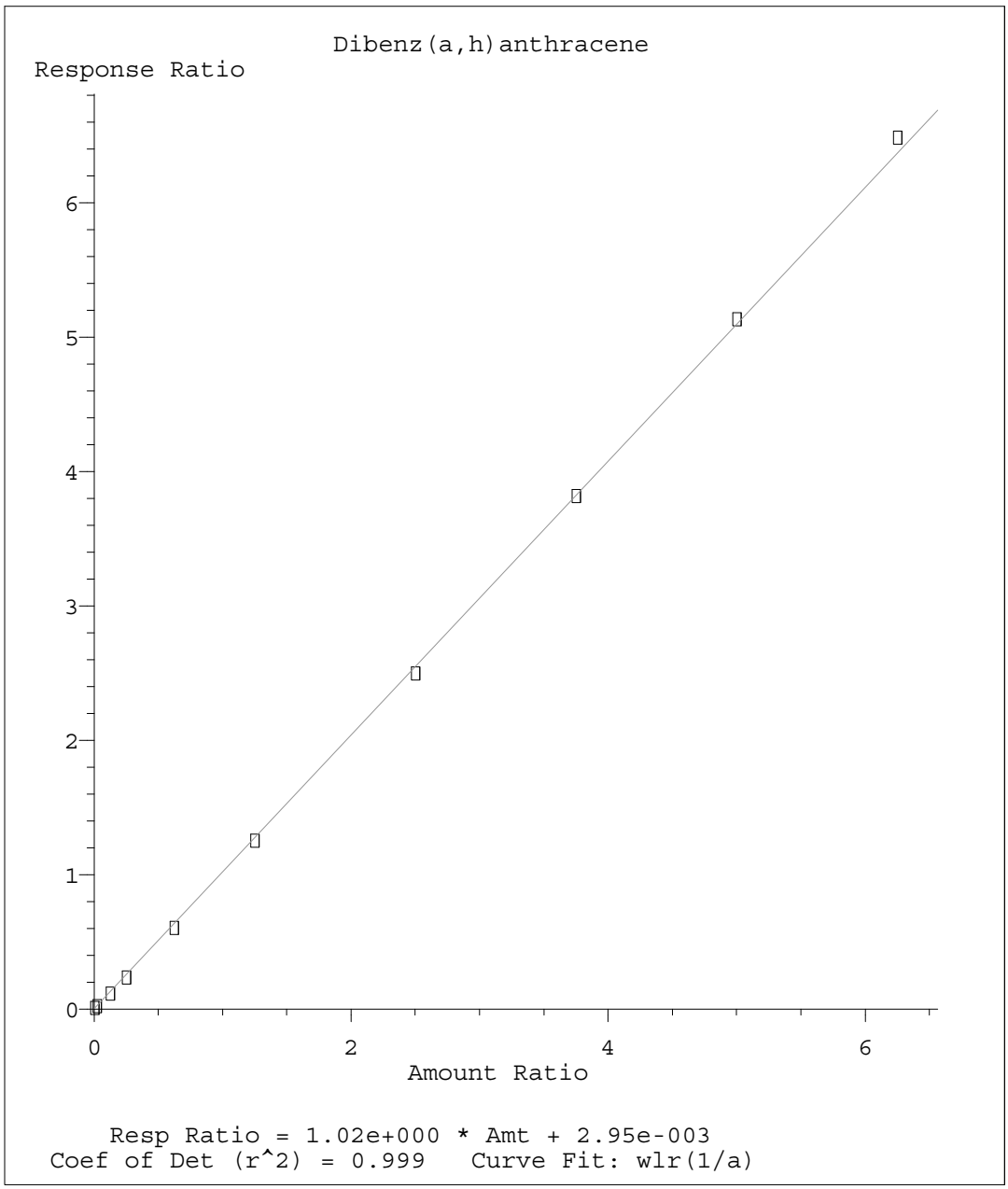


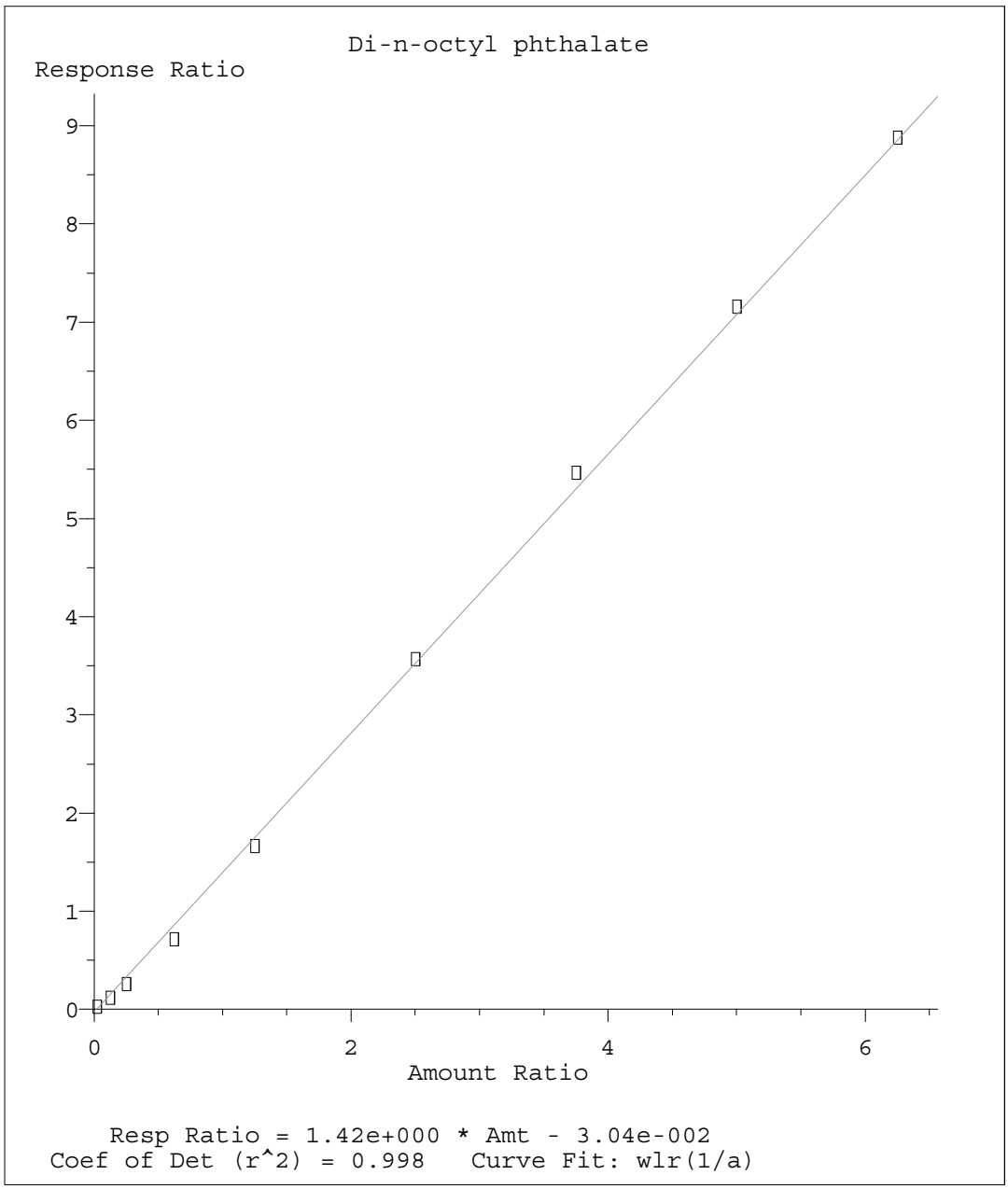
Method Name: C:\msdchem\1\methods\S820B11AV.M



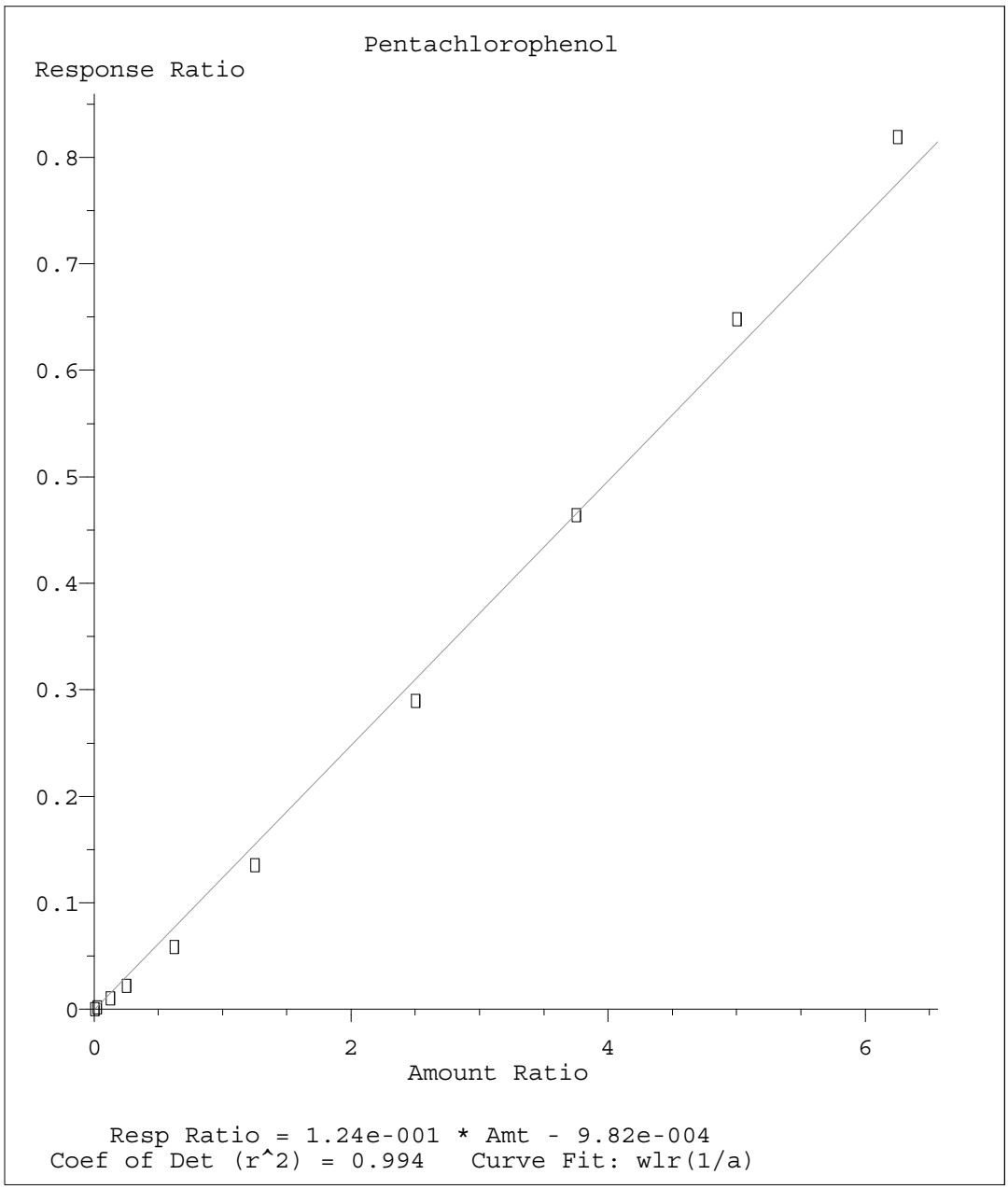
Method Name: C:\msdchem\1\methods\S820B11AV.M



Method Name: C:\msdchem\1\methods\S820B11AV.M



Method Name: C:\msdchem\1\methods\S820B11AV.M



Method Name: C:\msdchem\1\methods\S820B11AV.M

Response Factor Report BNAMS20

Method Path : C:\msdchem\1\methods\
Method File : S820B11AV.M
Title : 8270 BNA
Last Update : Sun Feb 13 09:38:35 2022
Response Via : Initial Calibration

Calibration Files
40 =0211 24.D 200 =0211 07.D 1K =0211 08.D 2K =0211 09.D 5K =0211 10.D 10K =0211 11.D 20K =0211 12.D 30K =0211 13.D
40K =0211 14.D 50K =0211 15.D 1K1 =0211_16.D 2K1 =0211_17.D 5K1 =0211_18.D 10K1=0211_19.D 20K1=0211_20.D 30K1=0211_21.D
40K1=0211_22.D 50K1=0211_23.D

	Compound	40	200	1K	2K	5K	10K	20K	30K	40K	50K	1K1	2K1	5K1	10K1	20K1	30K1	40K1	50K1	Avg	%RSD
1)	I 1,4-Dichlorobenzen...	----------ISTD----------																			
2)	TM Pyridine	1.297	1.382	1.279	1.268	1.265	1.231	1.183	1.182	1.188	1.253										5.23
3)	MT N-Nitrosodimet...	0.691	0.762	0.724	0.718	0.717	0.709	0.695	0.690	0.694	0.711										3.24
4)	S 2-Fluorophenol	1.180	1.137	1.139	1.146	1.156	1.140	1.123	1.118	1.123	1.140										1.71
5)	MT Aniline	0.748	0.689	0.685	0.698	0.704	0.699	0.694	0.692	0.700	0.701										2.63
6)	MT bis(2-Chloroet...	1.228	1.171	1.127	1.165	1.202	1.213	1.065	1.124	1.133	1.159										4.49
7)	S Phenol-d5	1.494	1.427	1.435	1.433	1.454	1.468	1.450	1.453	1.457	1.452										1.40
8)	MC Phenol	1.500	1.547	1.514	1.516	1.559	1.528	1.506	1.493	1.499	1.518										1.49
9)	Benzaldehyde											0.368	0.339	0.339	0.323	0.353	0.363	0.368	0.360	0.351	4.66
10)	MT 2-Chlorophenol	1.229	1.258	1.284	1.284	1.320	1.321	1.316	1.319	1.301	1.292										2.49
11)	T n-Decane	0.939	0.881	0.825	0.795	0.784	0.760	0.738	0.720	0.700	0.794										9.79
12)	MT 1,3-Dichlorobe...	1.471	1.423	1.399	1.386	1.381	1.380	1.376	1.360	1.346	1.391										2.65
13)	MTC 1,4-Dichlorobe...	1.513	1.486	1.447	1.415	1.431	1.414	1.397	1.375	1.358	1.426										3.51
14)	MT Benzyl Alcohol	1.051	0.953	0.959	0.991	1.033	1.026	1.027	1.028	1.030	1.011										3.44
15)	MT 1,2-Dichlorobe...	1.387	1.390	1.336	1.334	1.353	1.345	1.325	1.322	1.319	1.346										1.98
16)	MT bis(2-Chlorois...	0.467	0.469	0.456	0.446	0.451	0.449	0.445	0.447	0.455	0.454										1.98
17)	MT 2,2-oxybis(1-c...	0.467	0.469	0.456	0.446	0.451	0.449	0.445	0.447	0.455	0.454										1.98
18)	MT 2-Methylphenol	1.138	1.127	1.114	1.129	1.153	1.158	1.148	1.155	1.157	1.142										1.39
19)	MT Hexachloroethane	0.567	0.572	0.555	0.560	0.559	0.564	0.564	0.568	0.576											

Method Path : C:\msdchem\1\methods\
Method File : S820B11AV.M
Title : 8270 BNA
Last Update : Sun Feb 13 09:38:35 2022

20)	MP	N-Nitrosodi-n-...	0.880	0.853	0.859	0.889	0.917	0.922	0.915	0.908	0.921	0.896	2.99						
21)	MT	3&4-Methyl phenol	1.318	1.292	1.272	1.288	1.315	1.329	1.323	1.311	1.325	1.308	1.50						
22)	MT	Acetophenone												1.617	1.578	1.617	1.533	1.672	1.725	1.702	1.636	1.635	3.90
23)	I	Naphthalene-d8	----------ISTD----------																				
24)	S	Nitrobenzene-d5	0.360	0.345	0.345	0.351	0.363	0.315	0.323	0.323	0.321	0.338	5.43										
25)	MT	Nitrobenzene	0.318	0.314	0.318	0.315	0.324	0.320	0.316	0.313	0.306	0.316	1.57										
26)	MT	Isophorone	0.555	0.563	0.576	0.588	0.612	0.602	0.593	0.584	0.575	0.583	3.10										
27)	MCT	2-Nitrophenol	0.119	0.136	0.141	0.151	0.165	0.173	0.177	0.178	0.180	0.158	13.86										
28)	MT	2,4-Dimethylph...	0.306	0.302	0.310	0.309	0.315	0.316	0.319	0.314	0.313	0.312	1.70										
29)	MT	bis(2-Chloreth...	0.381	0.362	0.368	0.357	0.366	0.356	0.357	0.350	0.344	0.360	3.00										
30)	MCT	2,4-Dichloroph...	0.245	0.232	0.239	0.238	0.250	0.256	0.258	0.258	0.258	0.248	4.04										
31)	MT	Benzoic Acid												0.130	0.147	0.161	0.157	0.173	0.164	0.157	0.149	0.155	8.40
32)	MT	1,2,4-Trichlor...	0.277	0.273	0.266	0.263	0.266	0.266	0.268	0.265	0.263	0.267	1.72										
33)	MT	alpha-terpineol												0.252	0.233	0.236	0.211	0.205	0.183	0.168	0.213	14.20	
34)	MT	Naphthalene	1.101	1.034	0.983	0.961	0.951	0.957	0.893	0.844	0.789	0.737	0.925	11.99									
35)	MT	4-Chloroaniline	0.126	0.119	0.114	0.114	0.118	0.116	0.116	0.115	0.115	0.117	3.20										
36)	MCT	Hexachloro-1,3...	0.136	0.143	0.142	0.136	0.140	0.140	0.143	0.146	0.147	0.141	2.70										
37)		Hydroquinone												0.283	0.288	0.296	0.272	0.272	0.249	0.224	0.206	0.261	12.25
38)	MT	Quinoline												0.623	0.597	0.589	0.522	0.498	0.443	0.545	12.66		
39)	MT	Caprolactam												0.088	0.092	0.096	0.086	0.084	0.078	0.072	0.067	0.083	12.08
40)	MCT	4-Chloro-3-met...	0.267	0.245	0.255	0.258	0.270	0.270	0.276	0.274	0.273	0.265	3.99										
41)	MT	2-Methylnaphth...	0.605	0.640	0.626	0.622	0.607	0.617	0.614	0.602	0.573	0.548	0.605	4.43									
42)	MT	1-Methylnaphth...	0.555	0.601	0.603	0.596	0.582	0.596	0.584	0.573	0.555	0.537	0.578	3.93									
43)	MT	1,2,4,5-Tetrac...												0.249	0.232	0.221	0.197	0.192	0.175				

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44) Diphenyl Ether 0.388 0.371 0.361 0.316 0.302 0.273
0.335 13.38
45) Diphenyl Oxide 0.388 0.371 0.361 0.316 0.302 0.273
0.335 13.38

46) I Acenaphthene-d10 ----------ISTD----------
47) MPT Hexachlorocycl... 0.296 0.298 0.306 0.305 0.327 0.342 0.352 0.356 0.365
0.327 8.30
48) MCT 2,4,6-Trichlor... 0.262 0.276 0.294 0.288 0.312 0.334 0.343 0.339 0.345
0.310 10.17
49) MT 2,4,5-Trichlor... 0.307 0.310 0.326 0.322 0.345 0.338 0.356 0.366 0.373
0.338 7.07
50) S 2-Fluorobiphenyl 1.281 1.217 1.193 1.142 1.191 1.157 1.151 1.109 1.065
1.167 5.37
51) MT Biphenyl 1.485 1.444 1.417 1.347 1.382 1.343 1.321 1.234 1.161
1.348 7.54
52) MT 2-Chloronaphth... 0.979 1.148 1.099 1.069 1.045 1.072 1.044 1.044 1.013 0.996
1.051 4.72
53) MT 2-Nitroaniline 0.277 0.302 0.328 0.377 0.390 0.402 0.400 0.410
0.361 14.17
54) MT Acenaphthylene 1.507 1.626 1.680 1.673 1.609 1.662 1.607 1.548 1.466 1.382
1.576 6.25
55) MT Dimethyl phtha... 1.209 1.233 1.230 1.198 1.230 1.191 1.184 1.147 1.123
1.194 3.20
56) MT 2,6-Dinitrotol... 0.205 0.246 0.259 0.274 0.289 0.293 0.301 0.298 0.304
0.274 11.90
57) MT 3-Nitroaniline 0.229 0.272 0.297 0.315 0.340 0.344 0.350 0.345 0.351
0.316 13.43
58) MCT Acenaphthene 1.056 1.186 1.166 1.120 1.087 1.113 1.104 1.090 1.058 1.021
1.100 4.56
59) MPT 2,4-Dinitrophenol 0.076 0.085 0.108 0.129 0.150 0.163 0.171 0.180
0.133 29.84
60) MT Dibenzofuran 1.520 1.622 1.569 1.530 1.458 1.499 1.442 1.393 1.335 1.272
1.464 7.34
61) MT 2,4-Dinitrotol... 0.251 0.291 0.313 0.350 0.374 0.384 0.390 0.388 0.397
0.349 14.87
62) T 2,3,4,6-Tetrac... 0.210 0.214 0.223 0.216 0.242 0.250 0.260
0.262 0.235 9.07
63) MPT 4-Nitrophenol 0.200 0.206 0.224 0.249 0.271 0.281 0.287 0.285 0.290
0.255 14.25
64) MT Fluorene 1.148 1.324 1.313 1.278 1.248 1.293 1.265 1.248 1.195 1.155
1.247 4.99
65) MT 4-Chlorophenyl... 0.565 0.572 0.562 0.541 0.560 0.557 0.560 0.555 0.560
0.559 1.48
66) MT Diethyl phthalate 1.241 1.246 1.259 1.228 1.290 1.235 1.221 1.174 1.138
1.226 3.69
67) MT 4-Nitroaniline 0.272 0.303 0.337 0.377 0.378 0.380 0.369 0.376

Method Path : C:\msdchem\1\methods\
Method File : S820B11AV.M
Title : 8270 BNA
Last Update : Sun Feb 13 09:38:35 2022

68) MT Azobenzene 1.210 1.327 1.317 1.322 1.347 1.271 1.232 1.175 1.130
1.259 6.07
69) MT Atrazine 0.277 0.277 0.293 0.295 0.329 0.335 0.341
0.337 0.311 8.92

70) I Phenanthrene-d10 ----------ISTD----------
71) MT 4,6-Dinitro-2-... 0.057 0.067 0.080 0.098 0.110 0.118 0.124 0.125
0.098 27.16
72) MCT N-Nitrosodiphe... 0.608 0.594 0.608 0.599 0.620 0.615 0.619 0.604 0.592
0.607 1.66
73) S 2,4,6-Tribromo... 0.064 0.068 0.073 0.080 0.085 0.091 0.095 0.097
0.082 15.27
74) MT 4-Bromophenyl-... 0.169 0.163 0.166 0.162 0.172 0.171 0.180 0.182 0.185
0.172 4.90
75) MT Hexachlorobenzene 0.191 0.205 0.190 0.189 0.183 0.191 0.194 0.202 0.203 0.207
0.196 4.12
76) T n-octadecane 0.139 0.121 0.131 0.117 0.121 0.121 0.121 0.120 0.118
0.123 5.74
77) MCT Pentachlorophenol 0.055 0.067 0.080 0.088 0.094 0.108 0.116 0.124 0.130 0.131
0.099 26.91#
78) MT Phenanthrene 1.223 1.144 1.064 1.054 1.005 1.035 1.001 0.963 0.914 0.859
1.026 10.30
79) MT Anthracene 0.954 1.065 1.021 1.044 1.021 1.062 1.014 0.981 0.931 0.868
0.996 6.32
80) MT Carbazole 1.011 0.973 0.983 0.976 1.000 0.961 0.941 0.905 0.845
0.955 5.44
81) MT Di-n-butyl pht... 1.062 1.089 1.143 1.153 1.224 1.168 1.116 1.030 0.925
1.101 7.99
82) MT 2-nitrodipheny... 0.149 0.150 0.179 0.194 0.237 0.256 0.264
0.274 0.213 24.11
83) MCT Fluoranthene 1.025 1.048 0.996 1.019 0.992 1.032 1.020 0.995 0.953 0.916
1.000 3.94

84) I Chrysene-d12 ----------ISTD----------
85) MT Benzidine 0.303 0.364 0.465 0.496 0.611 0.631 0.669
0.670 0.526 26.87
86) MT Pyrene 1.280 1.338 1.237 1.247 1.219 1.268 1.237 1.223 1.167 1.144
1.236 4.45
87) S p-Terphenyl-d14 1.046 0.935 0.939 0.914 0.945 0.942 0.953 0.921 0.911
0.945 4.27
88) MT Benzylbutyl ph... 0.452 0.465 0.516 0.535 0.600 0.631 0.647 0.641 0.649
0.571 13.98
89) MT 3,3-Dichlorobe... 0.314 0.324 0.349 0.342 0.403 0.415 0.438
0.438 0.378 13.47
90) MT Benzo(a)anthra... 1.783 1.219 1.079 1.121 1.098 1.136 1.133 1.130 1.110 1.103
1.191 17.74
91) MT Chrysene 1.426 1.419 1.170 1.134 1.087 1.118 1.096 1.089 1.072 1.061

1.167 11.85

Response Factor Report BNAMS20

Method Path : C:\msdchem\1\methods\
Method File : S820B11AV.M
Title : 8270 BNA
Last Update : Sun Feb 13 09:38:35 2022

92) MT bis(2-Ethylhex... 0.637 0.642 0.701 0.755 0.844 0.900 0.924 0.912 0.919
0.804 15.04
93) MC Di-n-octyl pht... 0.961 0.927 1.014 1.142 1.327 1.426 1.456 1.431 1.420
1.234 17.99

94) I Perylene-d12 ----------ISTD----------
95) MT Benzo(b)fluora... 1.077 1.121 1.011 1.046 1.051 1.105 1.109 1.132 1.139 1.143
1.093 4.13
96) MT Benzo(k)fluora... 0.841 1.124 1.083 1.046 1.078 1.114 1.123 1.156 1.138 1.131
1.083 8.42
97) MC Benzo(a)pyrene 0.741 0.836 0.817 0.862 0.894 0.948 0.965 0.992 0.991 0.991
0.904 9.71
98) MT Indeno(1,2,3-c... 1.100 0.857 0.814 0.846 0.868 0.928 0.921 0.944 0.948 0.970
0.920 8.85
99) MT Dibenz(a,h)ant... 2.055 0.975 0.915 0.945 0.964 1.001 0.998 1.018 1.027 1.037
1.093 31.08
100) MT Benzo(g,h,i)pe... 0.899 1.062 0.959 0.966 0.975 1.005 1.003 1.010 0.998 0.997
0.987 4.29

(#) = Out of Range

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SDG: L1488626
DATE/TIME: 06/02/22 13:35
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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:34:19 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.451	152	317937	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.199	136	1287940	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	698481	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1257054	8000.0000000	ppb		0.00
84) Chrysene-d12	9.357	240	1014225	8000.0000000	ppb		0.00
94) Perylene-d12	12.092	264	958424	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.757	112	1555	34.3149255	ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 0.86%#				
7) Phenol-d5	3.204	99	2273	39.3813526	ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 0.98%#				
24) Nitrobenzene-d5	3.757	82	2008m	36.8570818	ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 1.84%#				
50) 2-Fluorobiphenyl	4.887	172	4024	39.4779097	ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 1.97%#				
73) 2,4,6-Tribromophenol	5.951	330	339	26.4169010	ppb		0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 0.66%#				
87) p-Terphenyl-d14	7.928	244	5114	42.6882399	ppb		0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 2.13%#				
Target Compounds							Qvalue
2) Pyridine	2.234	79	2457m	49.3564945	ppb		
3) N-Nitrosodimethylamine	2.169	42	2901	102.6469574	ppb	#	57
5) Aniline	3.257	66	1185	42.5341942	ppb	#	80
6) bis(2-Chloroethyl)ether	3.281	93	1992m	43.2534541	ppb		
8) Phenol	3.216	94	2281	37.8098090	ppb		95
10) 2-Chlorophenol	3.328	128	1926	37.5010822	ppb		81
11) n-Decane	3.340	41	2689	85.2463271	ppb	#	97
12) 1,3-Dichlorobenzene	3.422	146	2312	41.8124973	ppb		92
13) 1,4-Dichlorobenzene	3.457	146	2353m	41.5156791	ppb		
14) Benzyl Alcohol	3.504	79	1787	44.4862901	ppb	#	72
15) 1,2-Dichlorobenzene	3.546	146	2108	39.4177832	ppb		95
16) bis(2-Chloroisopropyl)...	3.587	121	682	37.8086314	ppb	#	60
17) 2,2-oxybis(1-chloropro...	3.587	121	682	37.8086314	ppb	#	60
18) 2-Methylphenol	3.557	108	1697	37.3893299	ppb		90
19) Hexachloroethane	3.746	117	760	33.8505670	ppb	#	73
20) N-Nitrosodi-n-propylamine	3.651	70	1426	40.0450131	ppb		93
21) 3&4-Methyl phenol	3.640	107	2009	38.6460597	ppb		89
25) Nitrobenzene	3.769	77	2053	40.3476470	ppb		89
26) Isophorone	3.904	82	3611	38.4582680	ppb		91
27) 2-Nitrophenol	3.957	139	662	26.0407655	ppb	#	64
28) 2,4-Dimethylphenol	3.957	107	1571	31.3258852	ppb	#	82
29) bis(2-Chlorethoxy)methane	4.022	93	2369	40.8737332	ppb		94
30) 2,4-Dichlorophenol	4.093	162	1155	28.8962780	ppb		86
32) 1,2,4-Trichlorobenzene	4.157	180	1756	40.7992136	ppb		94
34) Naphthalene	4.210	128	7087	46.8461274	ppb		99
35) 4-Chloroaniline	4.228	65	605	32.1574896	ppb		70
36) Hexachloro-1,3-butadiene	4.281	225	838	36.8040628	ppb	#	83
40) 4-Chloro-3-methylphenol	4.516	107	1186	27.7698522	ppb	#	77
41) 2-Methylnaphthalene	4.651	142	3897	39.1839935	ppb		95
42) 1-Methylnaphthalene	4.716	142	3575m	37.2880862	ppb		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:34:19 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

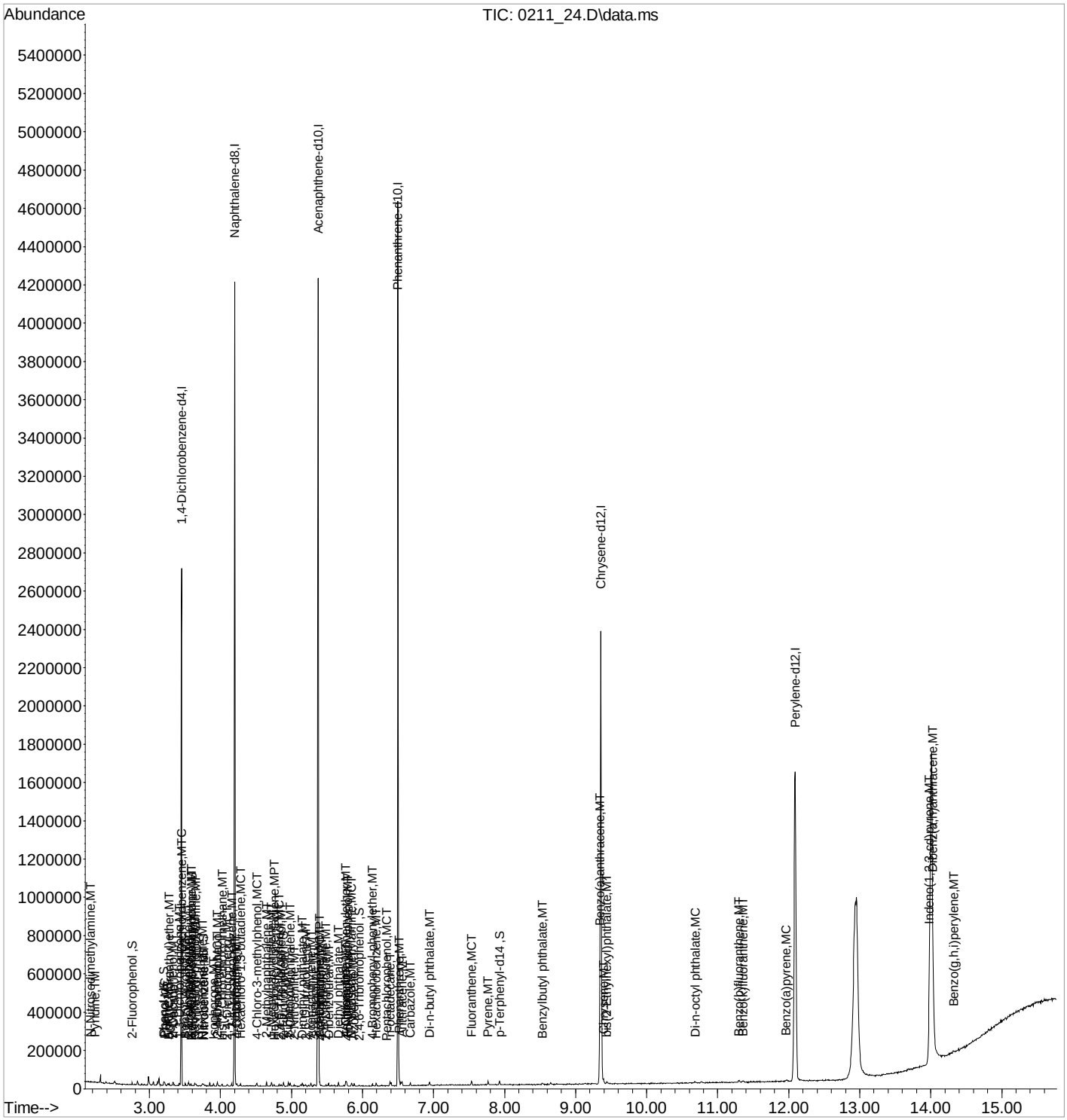
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.757	237	1070	37.4243923 ppb		91
48)	2,4,6-Trichlorophenol	4.828	196	861	31.7643027 ppb	#	76
49)	2,4,5-Trichlorophenol	4.851	196	759	25.6993720 ppb	#	81
51)	Biphenyl	4.957	154	4570	38.8236398 ppb		93
52)	2-Chloronaphthalene	4.981	162	3420	35.9891620 ppb		96
53)	2-Nitroaniline	5.034	138	1041	33.0708576 ppb	#	98
54)	Acenaphthylene	5.275	152	5264	37.1859664 ppb		92
55)	Dimethyl phthalate	5.151	163	4064	38.9880510 ppb		97
56)	2,6-Dinitrotoluene	5.198	165	729	30.4527897 ppb	#	79
57)	3-Nitroaniline	5.322	138	909	32.9628480 ppb		92
58)	Acenaphthene	5.398	153	3687	36.6417657 ppb		96
59)	2,4-Dinitrophenol	5.398	184	144	943.2070841 ppb	#	1
60)	Dibenzofuran	5.522	168	5309	41.7126675 ppb	#	94
61)	2,4-Dinitrotoluene	5.487	165	880	28.9021809 ppb		89
63)	4-Nitrophenol	5.422	139	597	26.8233464 ppb	#	65
64)	Fluorene	5.775	166	4008	35.5079655 ppb		85
65)	4-Chlorophenyl-phenyle...	5.763	204	1606	32.9027486 ppb		95
66)	Diethyl phthalate	5.663	149	3981	37.1984167 ppb		98
67)	4-Nitroaniline	5.763	138	784	25.7114860 ppb	#	85
68)	Azobenzene	5.881	77	4279	38.9265780 ppb		85
71)	4,6-Dinitro-2-methylph...	5.793	198	224	861.7178438 ppb	#	49
72)	N-Nitrosodiphenylamine	5.845	169	3443	36.1243041 ppb		91
74)	4-Bromophenyl-phenylether	6.140	248	957	35.3552088 ppb		93
75)	Hexachlorobenzene	6.192	284	1198	38.8886640 ppb	#	83
76)	n-octadecane	6.387	55	851m	43.9184010 ppb		
77)	Pentachlorophenol	6.340	266	346	238.0585313 ppb		84
78)	Phenanthrene	6.516	178	7689	45.7926153 ppb		96
79)	Anthracene	6.557	178	5994	36.6188593 ppb		97
80)	Carbazole	6.675	167	6304	42.0143620 ppb		91
81)	Di-n-butyl phthalate	6.945	149	6014	34.7632696 ppb		98
83)	Fluoranthene	7.534	202	6442	39.0891066 ppb		93
86)	Pyrene	7.769	202	6490	39.5512169 ppb		91
88)	Benzylbutyl phthalate	8.534	149	2190	30.2712627 ppb		92
90)	Benzo(a)anthracene	9.339	228	9043m	58.2977075 ppb		
91)	Chrysene	9.392	228	7232	45.1201530 ppb		94
92)	bis(2-Ethylhexyl)phtha...	9.439	149	3277	32.1572079 ppb		92
93)	Di-n-octyl phthalate	10.686	149	3922	25.0714960 ppb		98
95)	Benzo(b)fluoranthene	11.298	252	5161	37.6335777 ppb		85
96)	Benzo(k)fluoranthene	11.357	252	4030m	29.1117776 ppb		
97)	Benzo(a)pyrene	11.963	252	3550	31.3746591 ppb		90
98)	Indeno(1,2,3-cd)pyrene	13.980	276	5272m	47.2102615 ppb		
99)	Dibenz(a,h)anthracene	14.027	278	9846	80.0131943 ppb	#	9
100)	Benzo(g,h,i)perylene	14.321	276	4306	34.3562224 ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

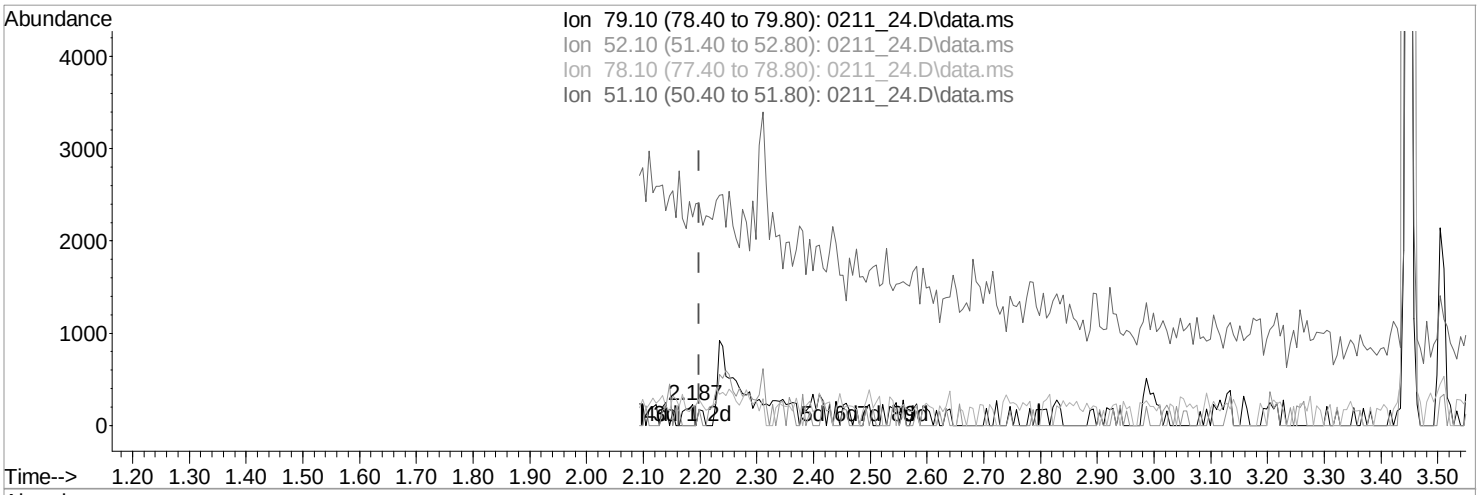
Quant Time: Feb 12 11:34:19 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

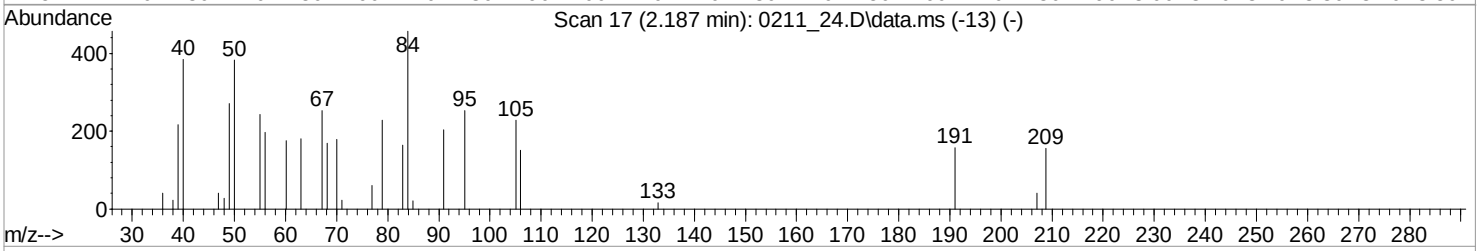


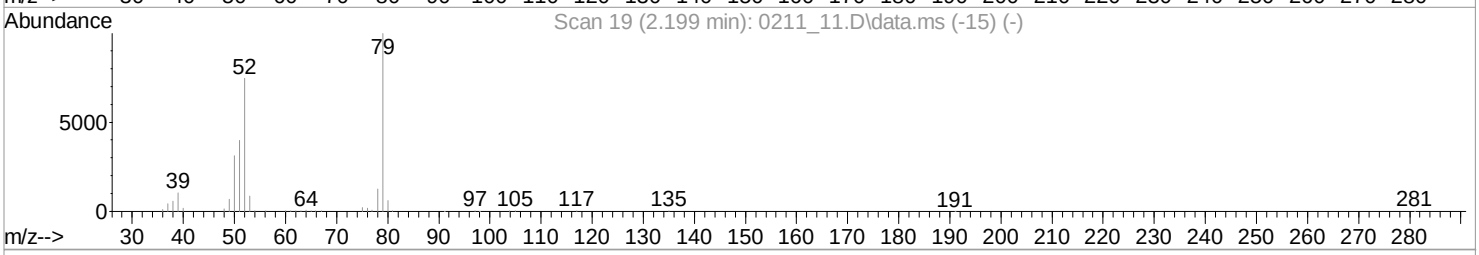
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(2) Pyridine (TM)

2.187min (-0.012) 5.2429976 ppb

Qvalue = 25

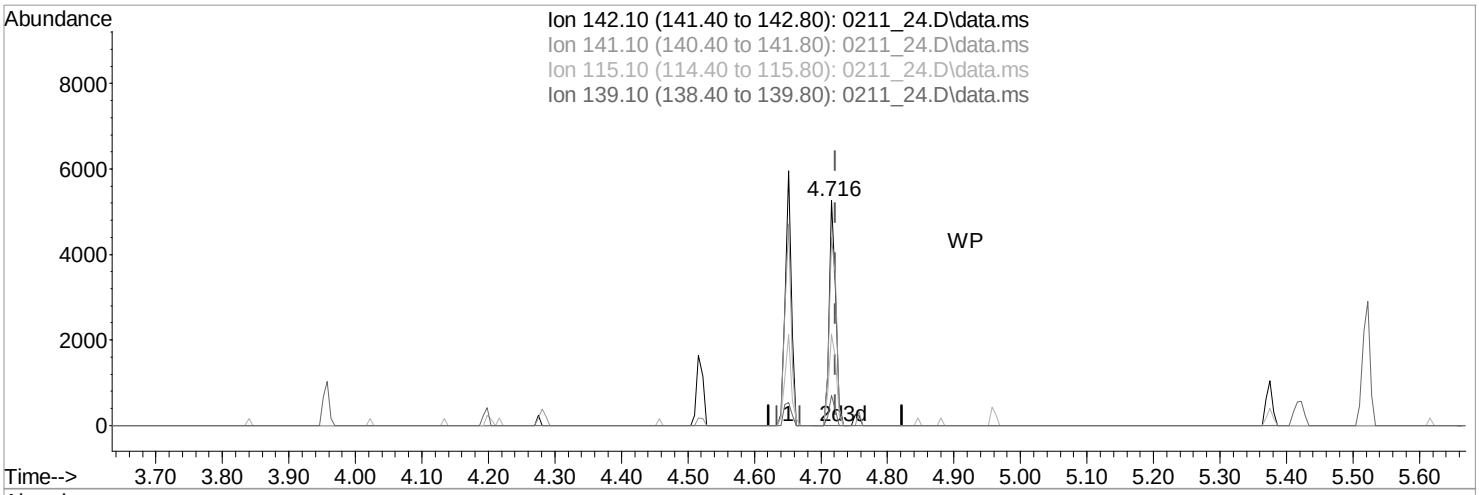
response 261

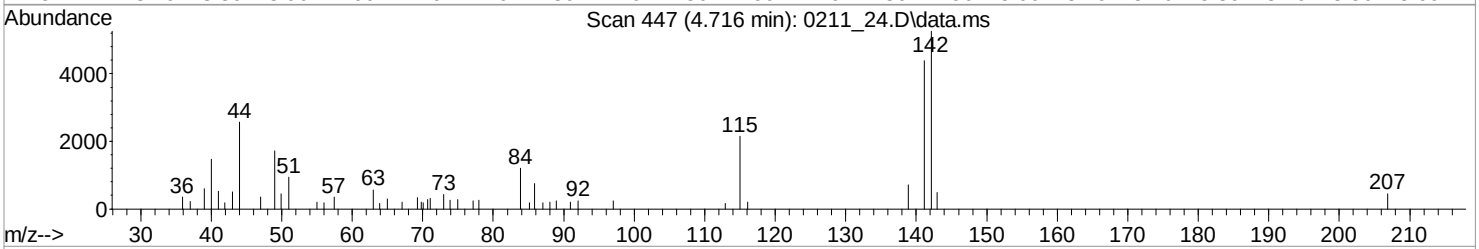
Ion	Exp%	Act%
79.10	100	100
52.10	74.60	0.00#
78.10	12.60	0.00#
51.10	40.00	0.00#

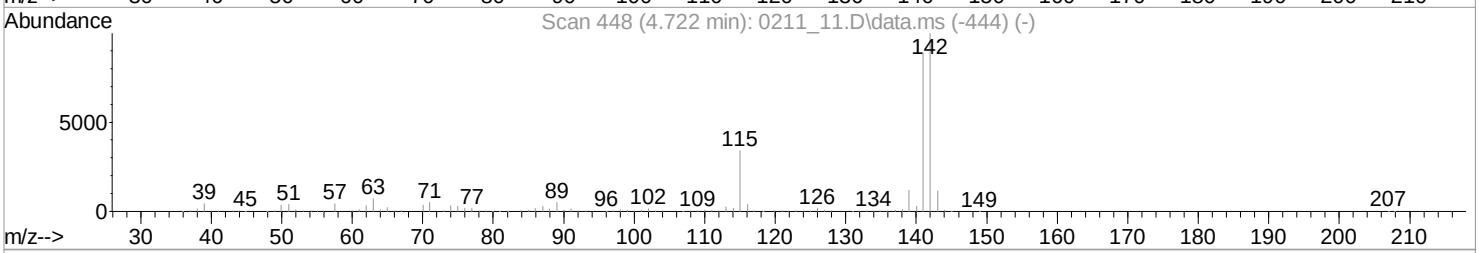
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(42) 1-Methylnaphthalene (MT)

4.716min (-0.006) 37.2880862 ppb m

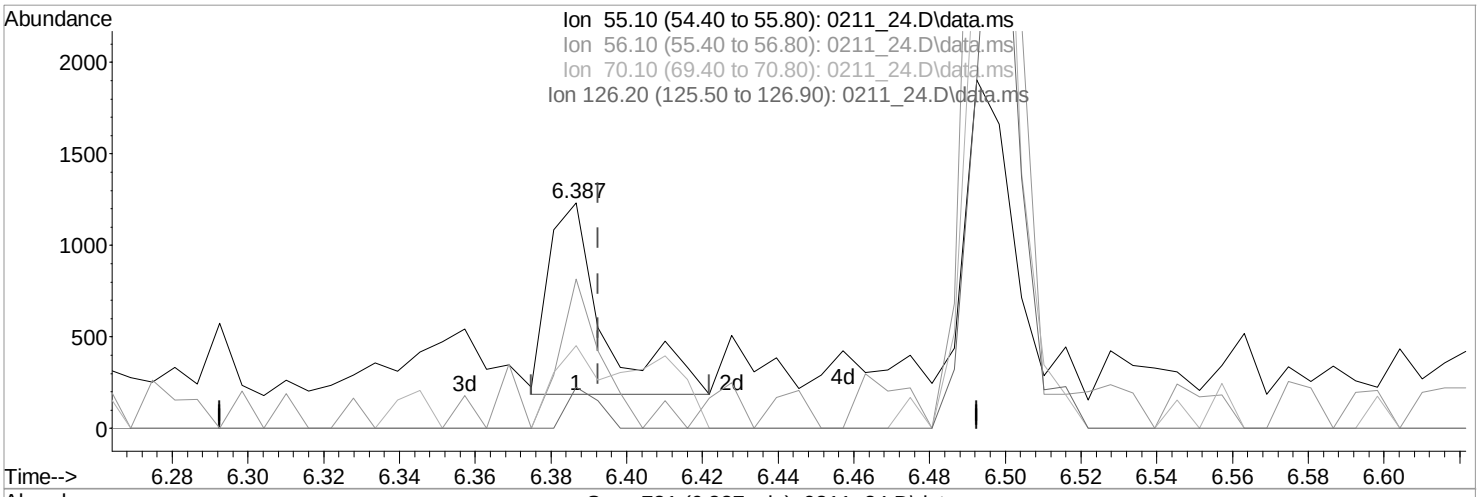
response 3575

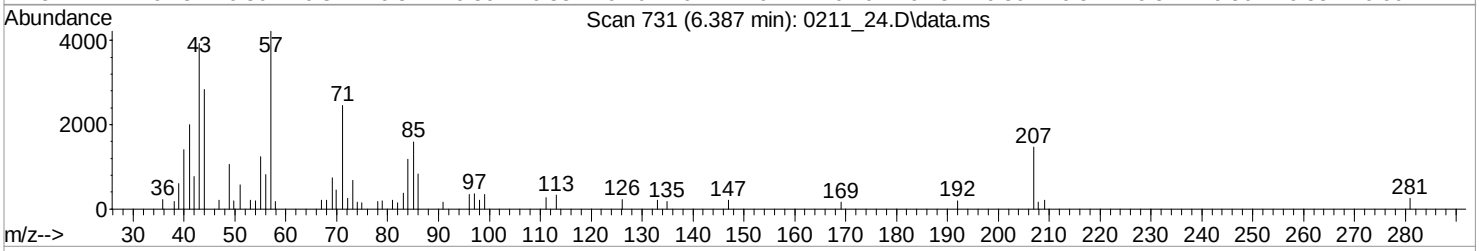
Ion	Exp%	Act%
142.10	100	100
141.10	88.70	88.20
115.10	35.10	40.92
139.10	11.50	12.48

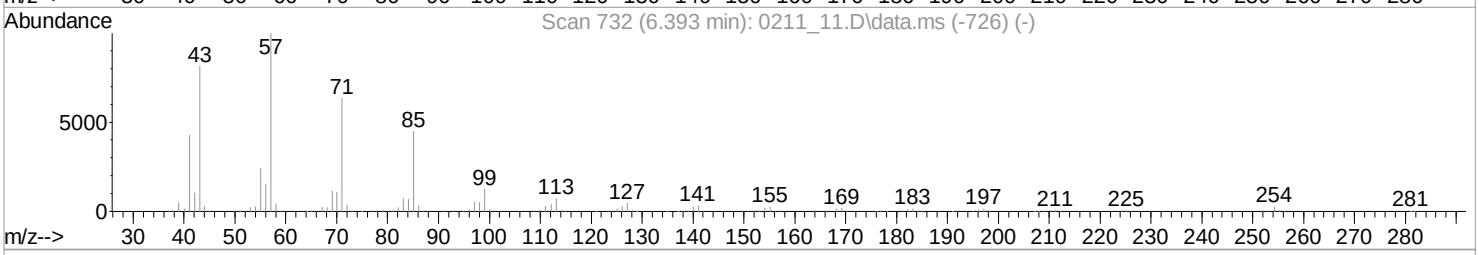
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(76) n-octadecane (T)

6.387min (-0.006) 54.8076873 ppb

Qvalue = 71

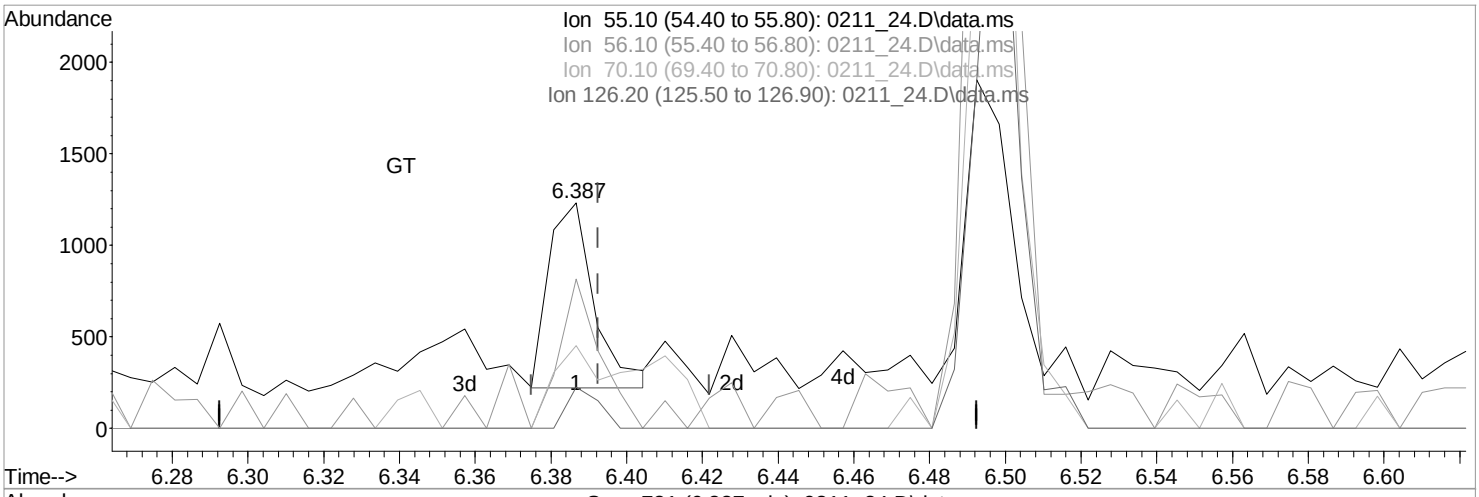
response 1062

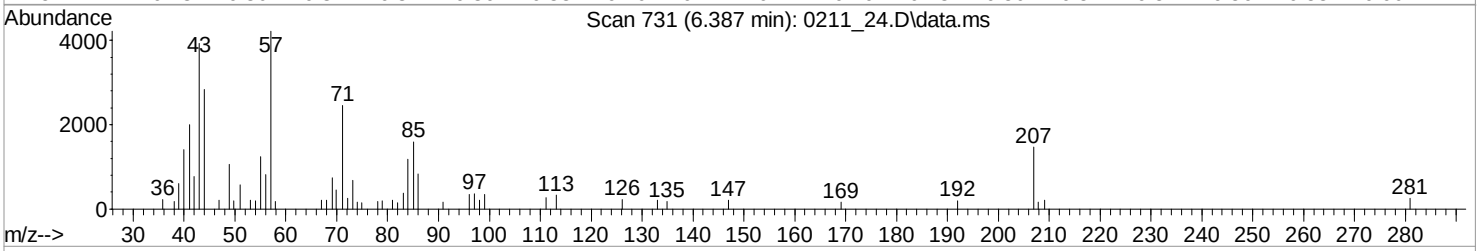
Ion	Exp%	Act%
55.10	100	100
56.10	61.50	74.86#
70.10	43.60	76.93#
126.20	11.00	12.43

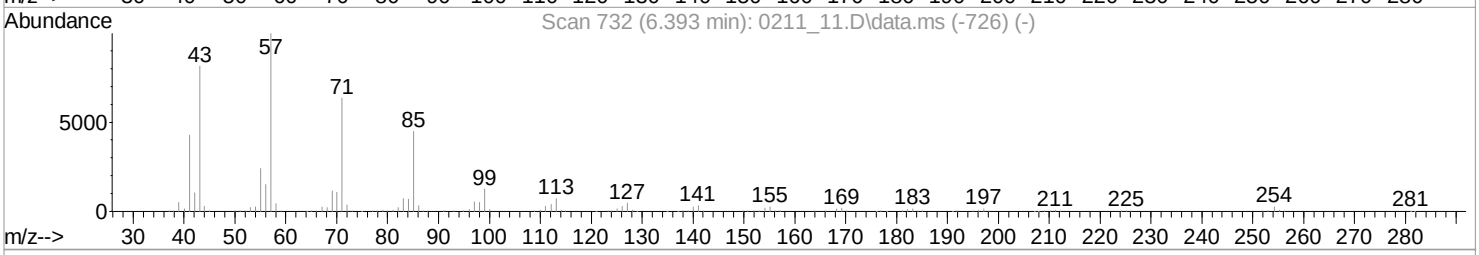
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(76) n-octadecane (T)

6.387min (-0.006) 43.9184010 ppb m

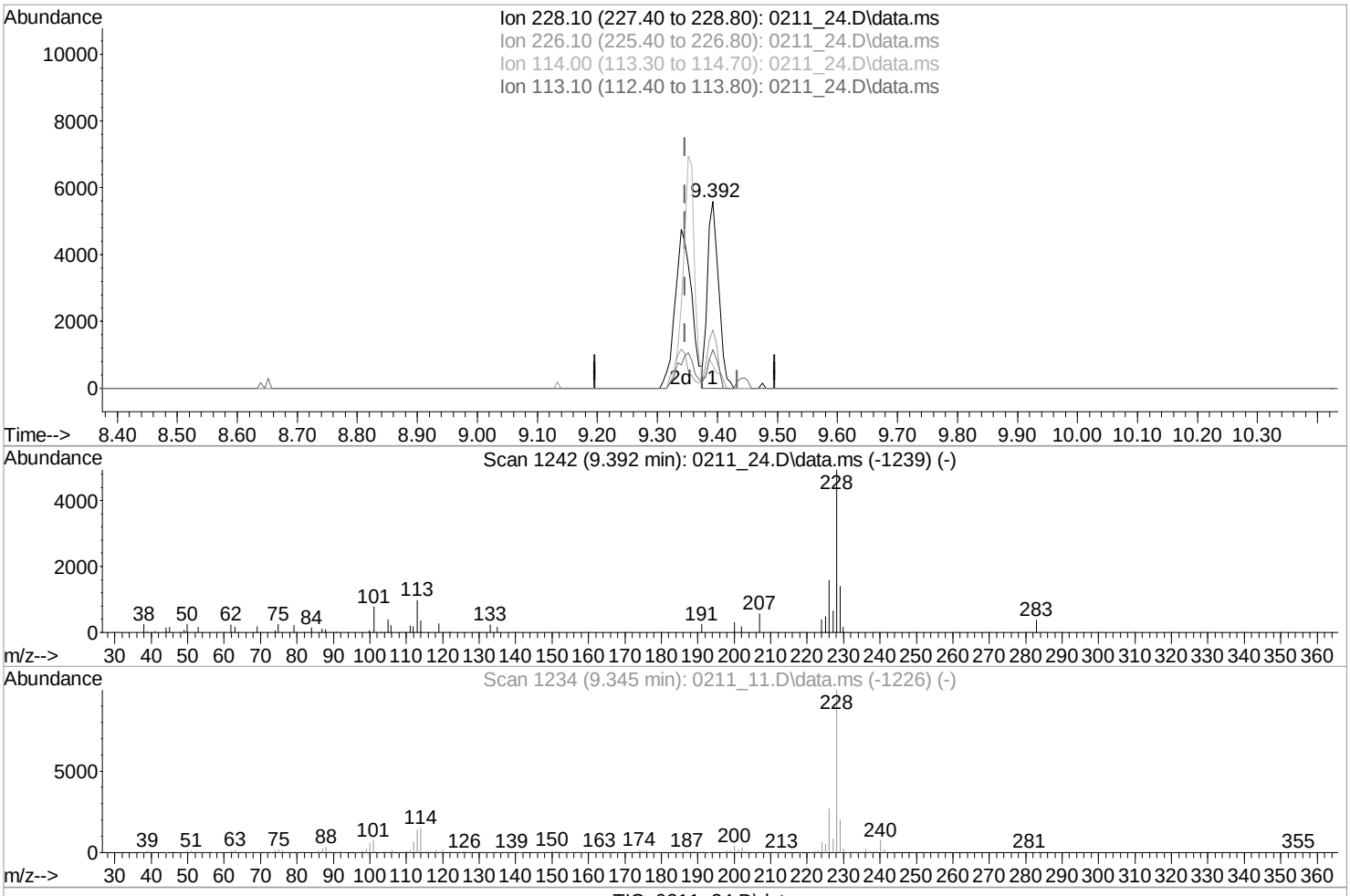
response 851

Ion	Exp%	Act%
55.10	100	100
56.10	61.50	93.42#
70.10	43.60	96.00#
126.20	11.00	15.51#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0211_24.D\data.ms

(90) Benzo(a)anthracene (MT)

9.392min (+0.047) 46.6226939 ppb

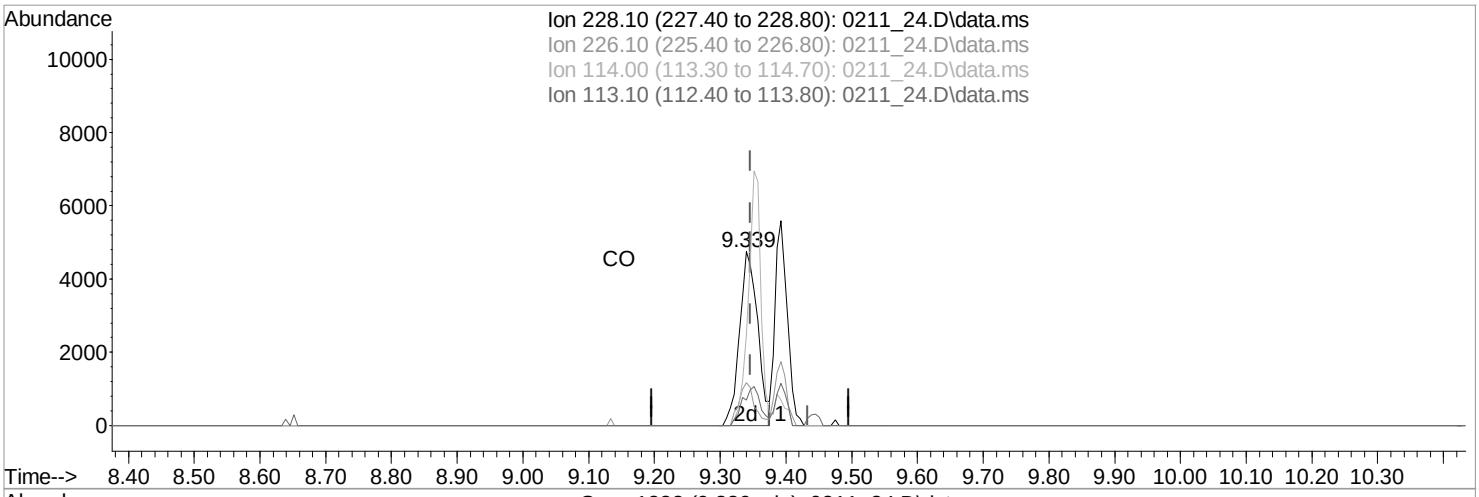
Qvalue = 92

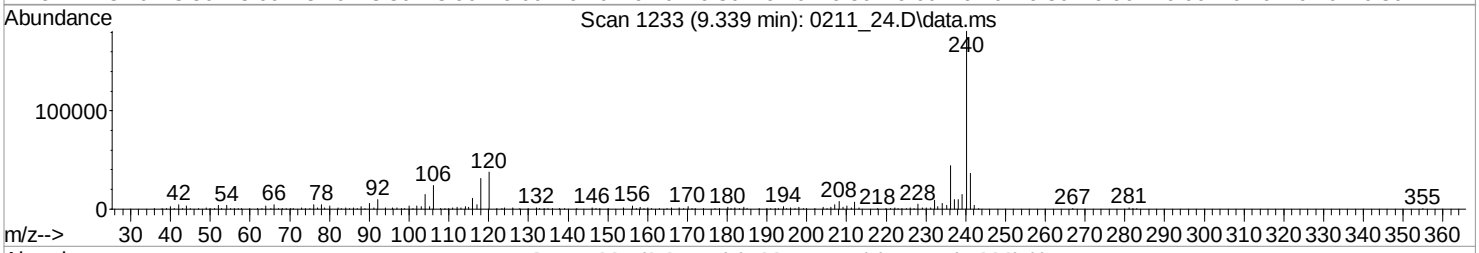
response 7232

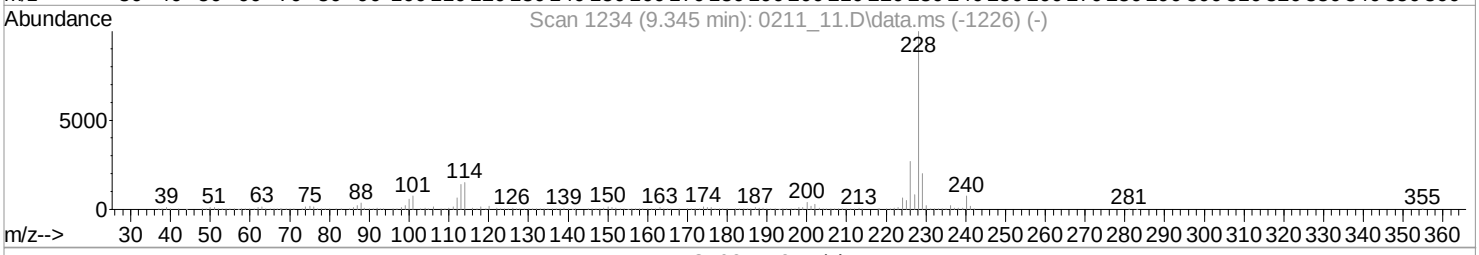
Ion	Exp%	Act%
228.10	100	100
226.10	26.70	31.28
114.00	15.00	12.55
113.10	13.70	17.21

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(90) Benzo(a)anthracene (MT)

9.339min (-0.006) 58.2977075 ppb m

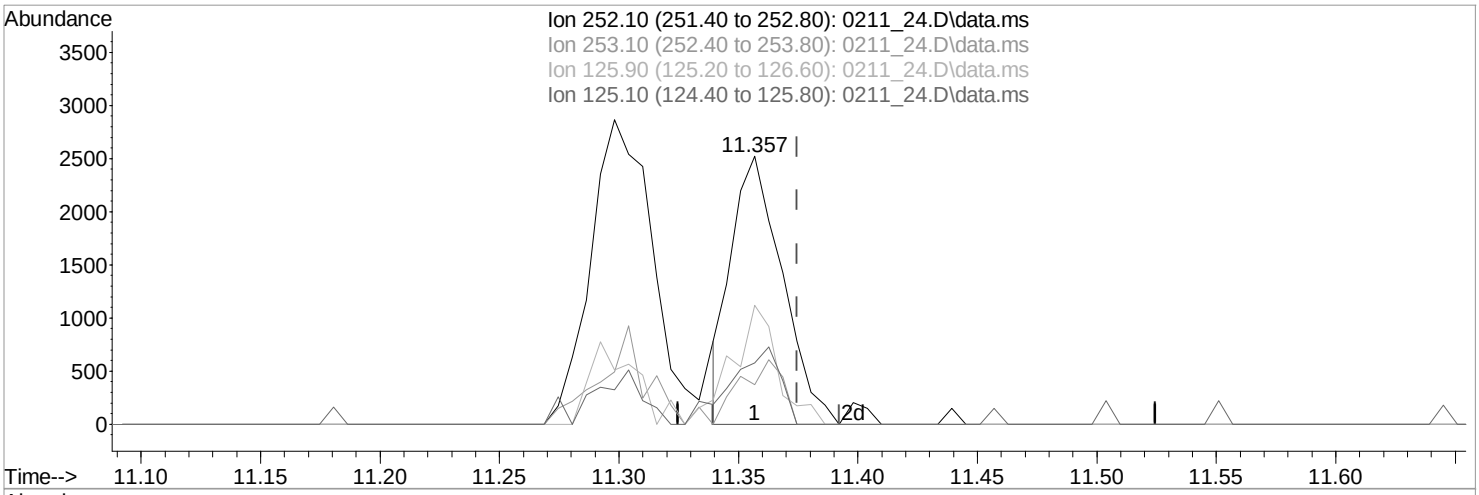
response 9043

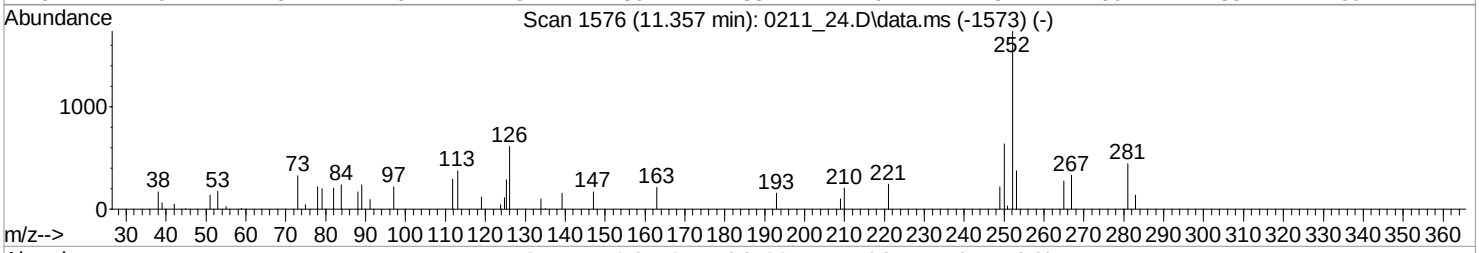
Ion	Exp%	Act%
228.10	100	100
226.10	26.70	24.69
114.00	15.00	52.10#
113.10	13.70	14.74

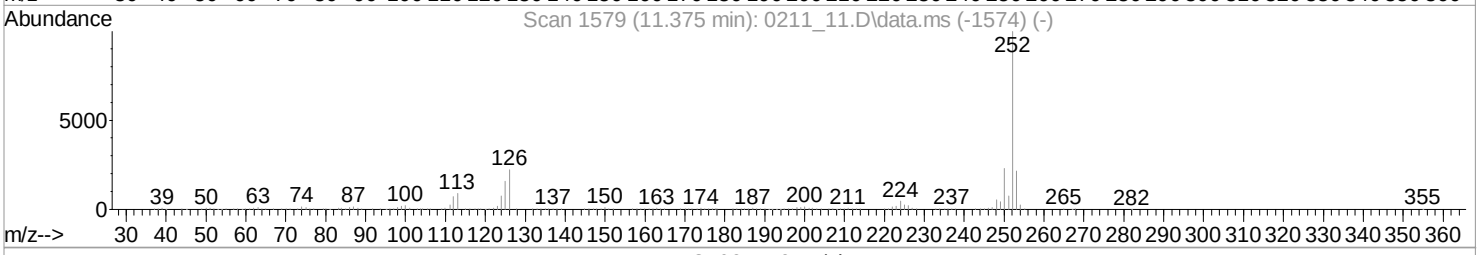
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.357min (-0.018) 27.1180181 ppb

Qvalue = 73

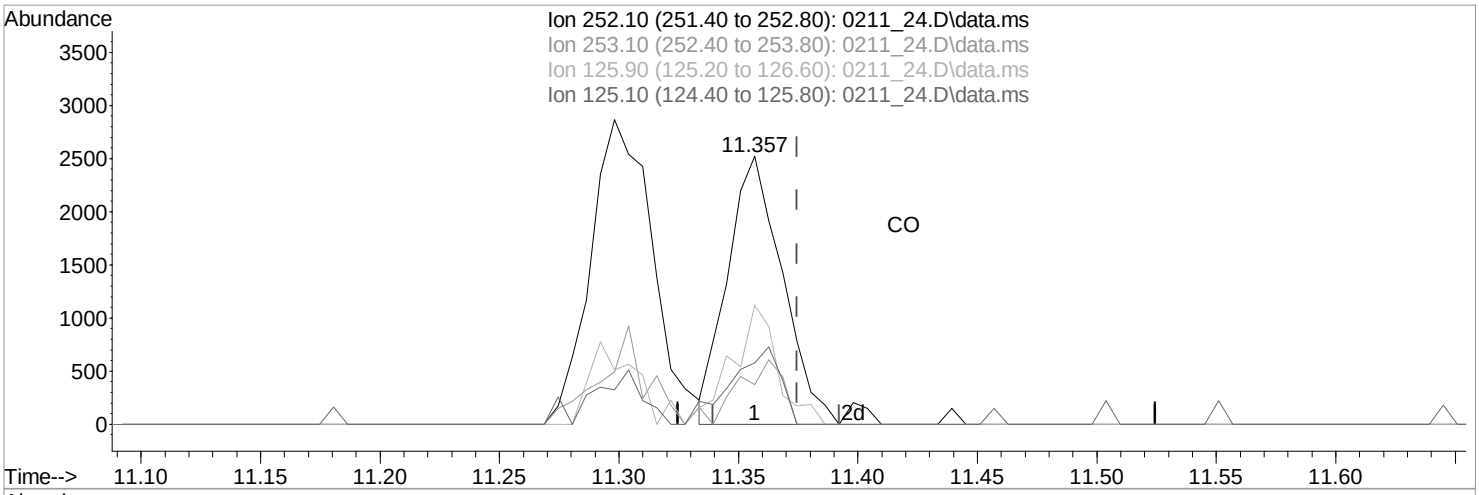
response 3754

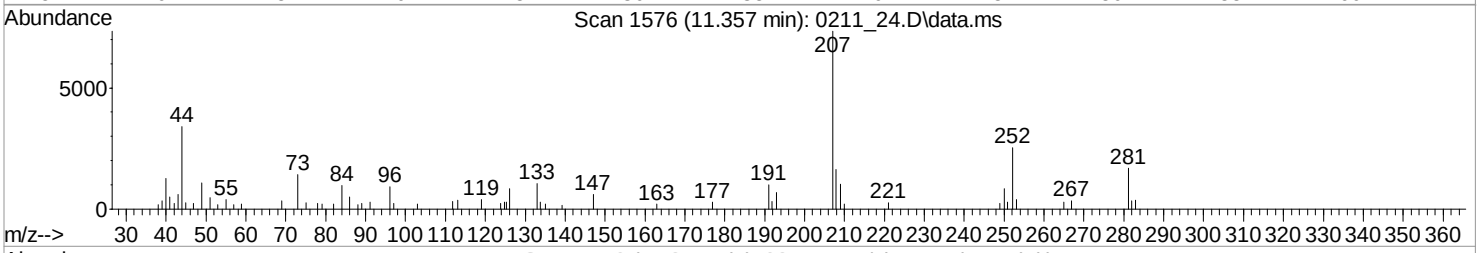
Ion	Exp%	Act%
252.10	100	100
253.10	21.70	14.83
125.90	22.10	44.45#
125.10	15.60	22.92

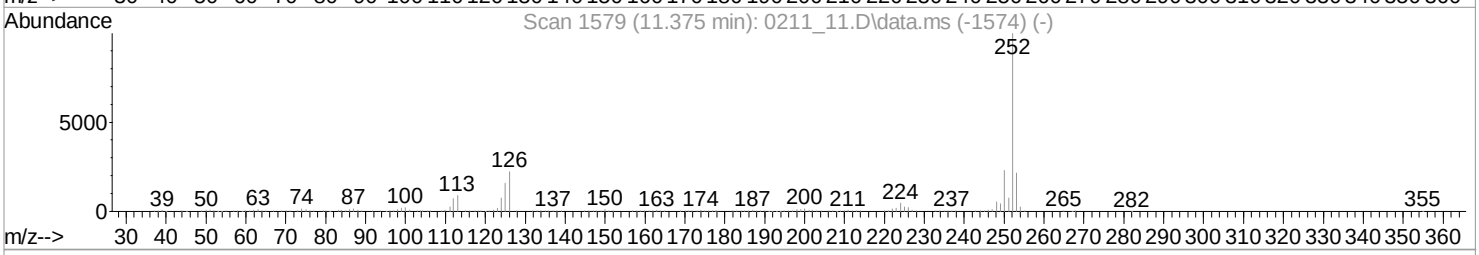
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.357min (-0.018) 29.1117776 ppb m

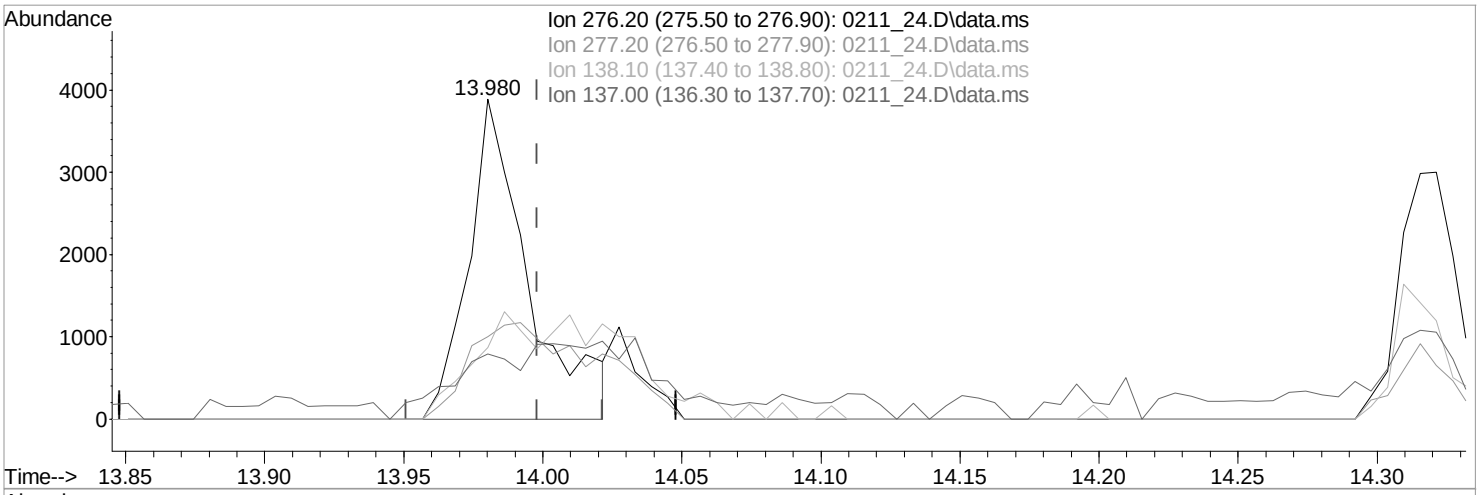
response 4030

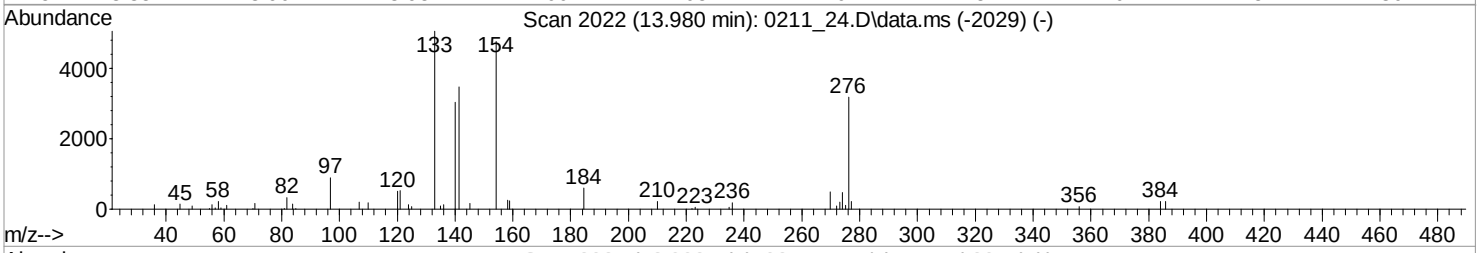
Ion	Exp%	Act%
252.10	100	100
253.10	21.70	14.83
125.90	22.10	33.11
125.10	15.60	11.58

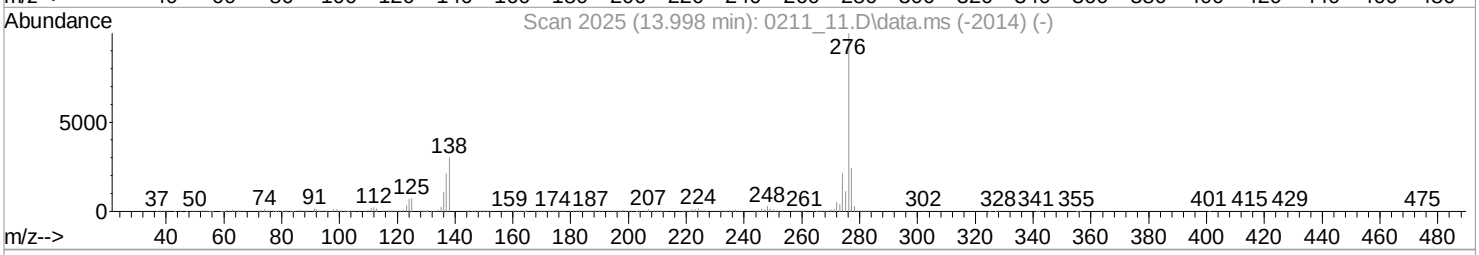
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

13.980min (-0.018) 51.9026319 ppb

Qvalue = 86

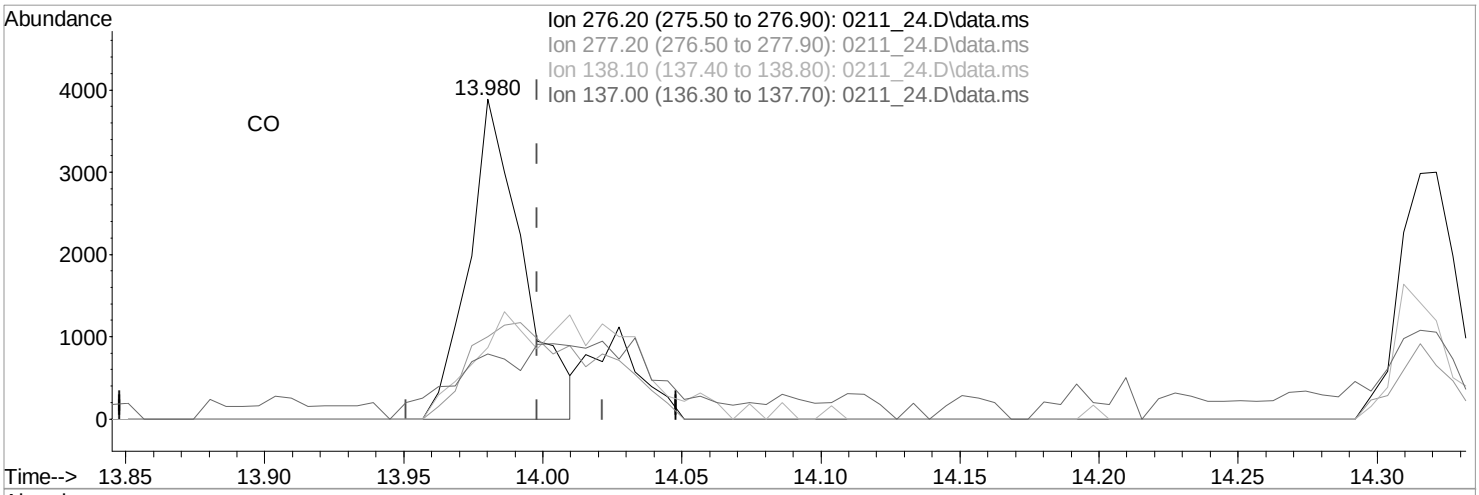
response 5796

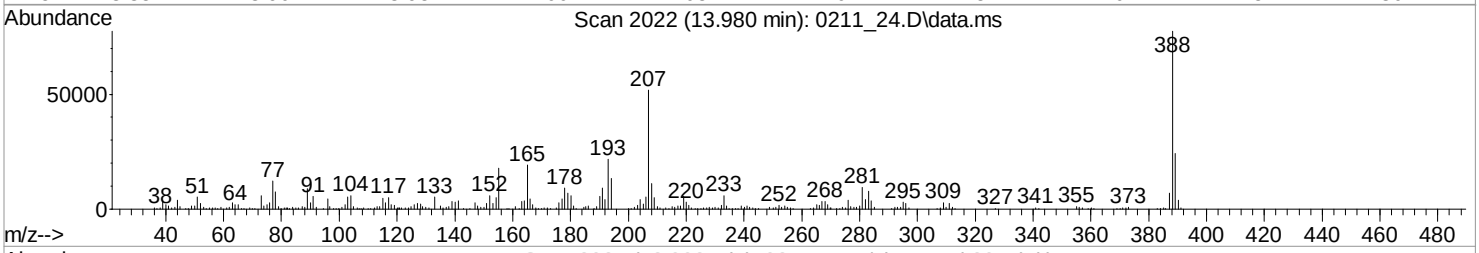
Ion	Exp%	Act%
276.20	100	100
277.20	24.10	25.78
138.10	30.00	16.83
137.00	21.20	15.13

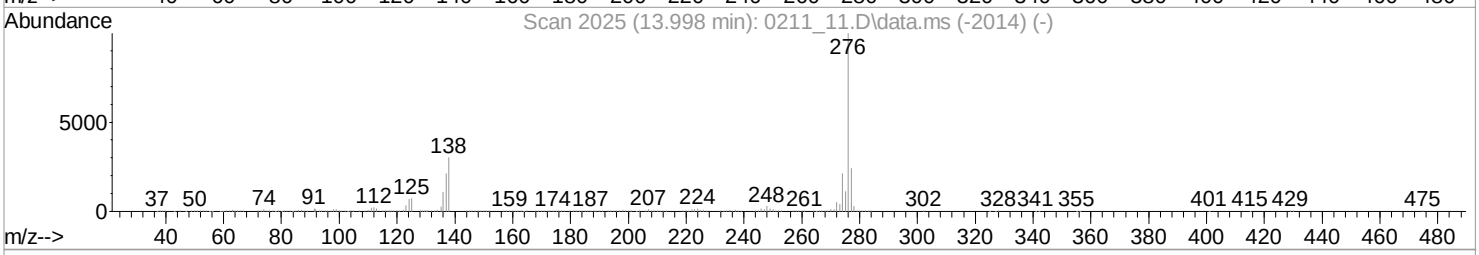
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

13.980min (-0.018) 47.2102615 ppb m

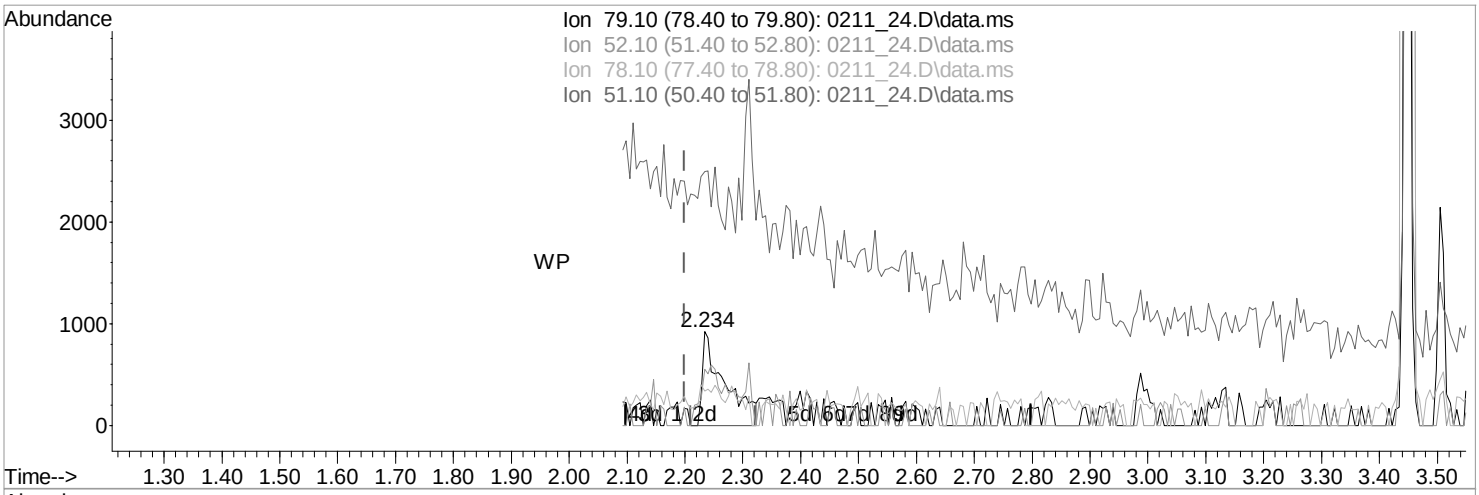
response 5272

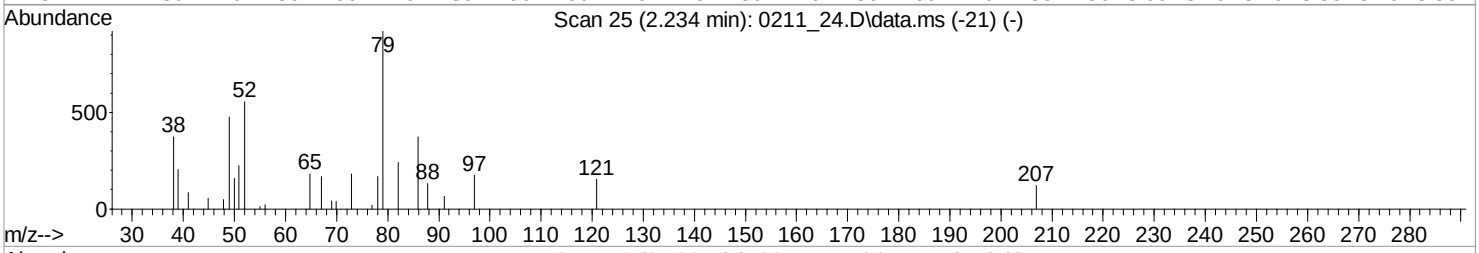
Ion	Exp%	Act%
276.20	100	100
277.20	24.10	25.78
138.10	30.00	22.41
137.00	21.20	20.28

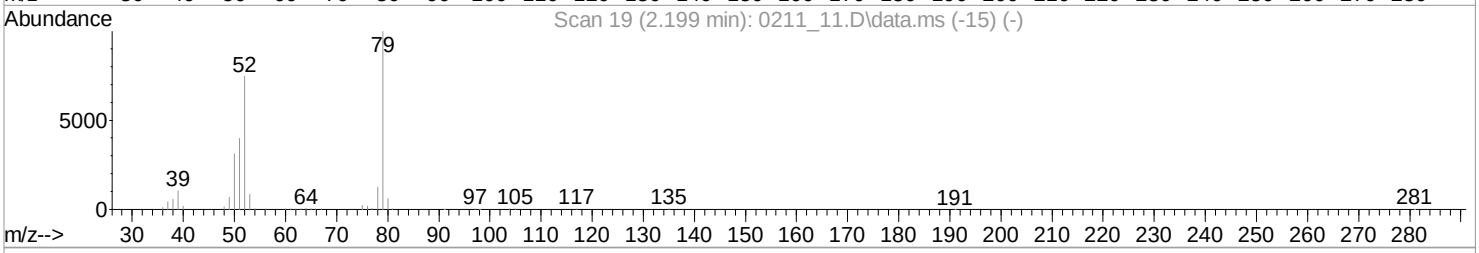
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(2) Pyridine (TM)

2.234min (+0.035) 49.3564945 ppb m

response 2457

Ion	Exp%	Act%
79.10	100	100
52.10	74.60	60.09
78.10	12.60	36.44#
51.10	40.00	270.93#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
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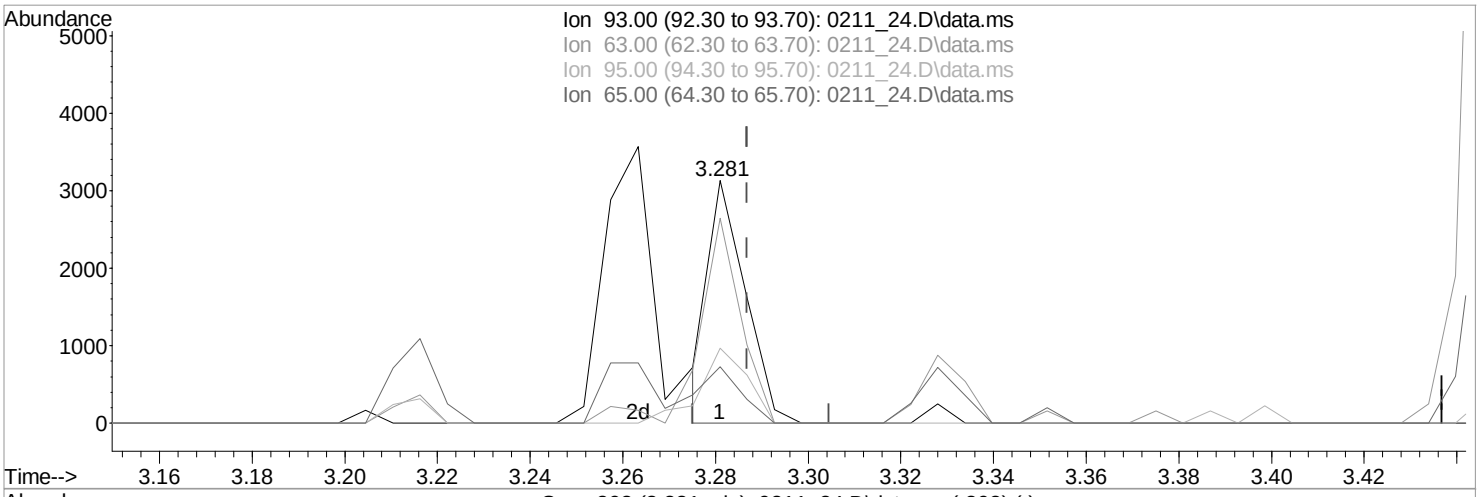
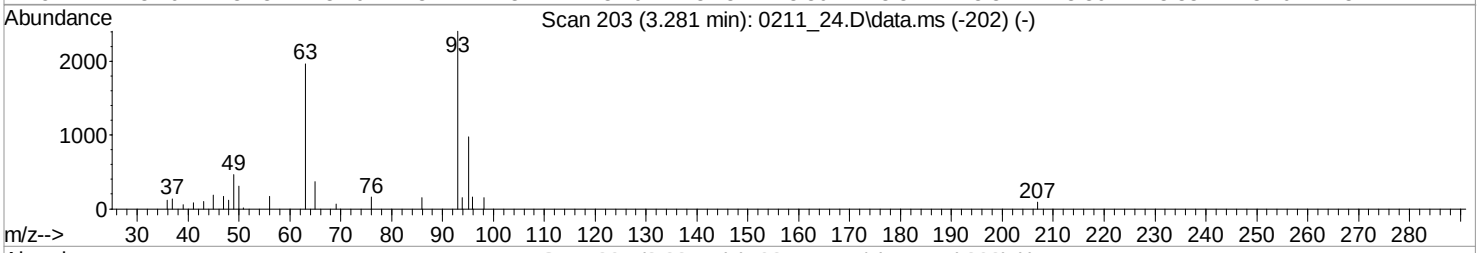
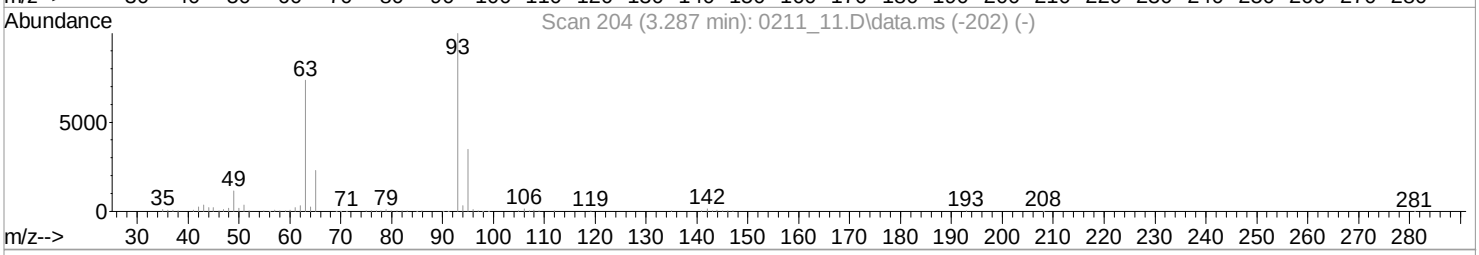
Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.281min (-0.006) 37.7382044 ppb

Qvalue = 90

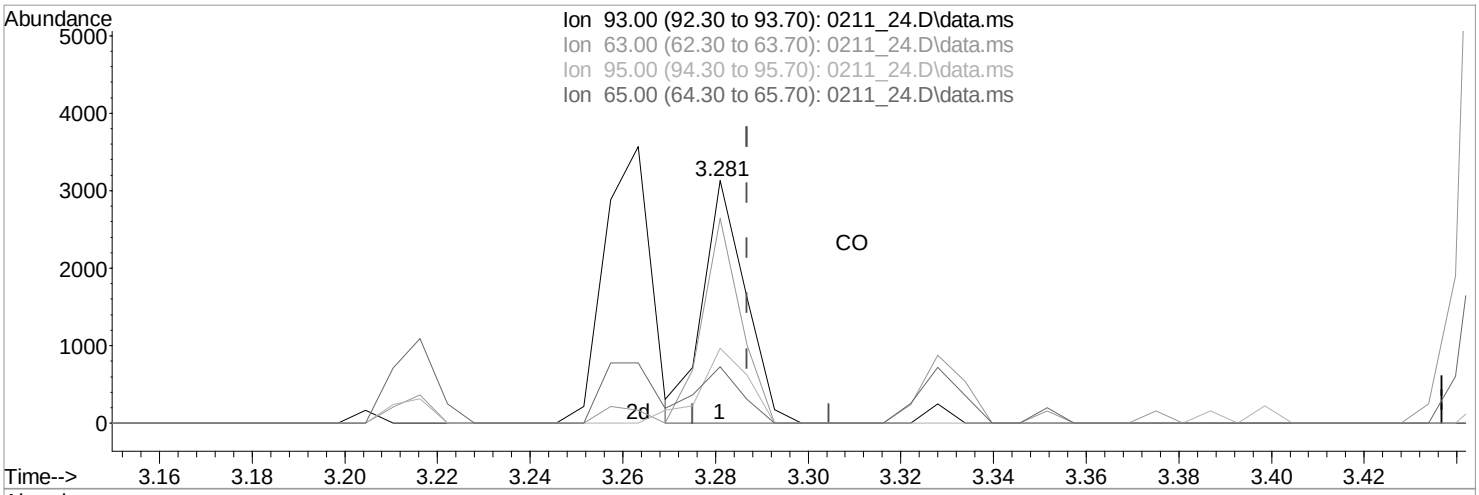
response 1738

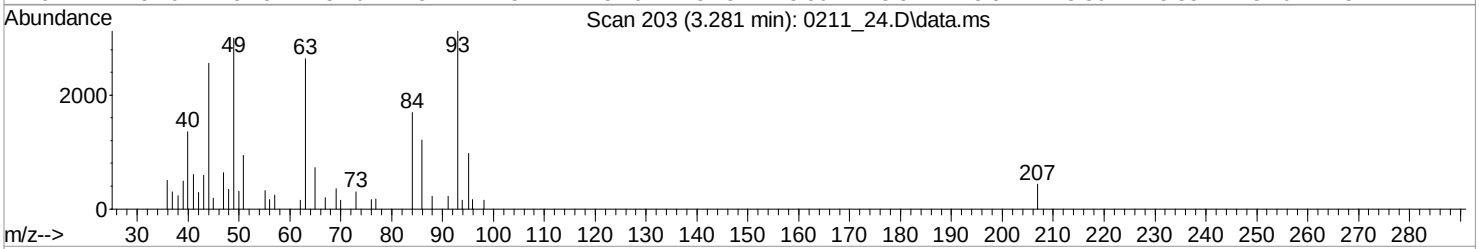
Ion	Exp%	Act%
93.00	100	100
63.00	72.00	84.51
95.00	33.70	31.01
65.00	22.90	23.32

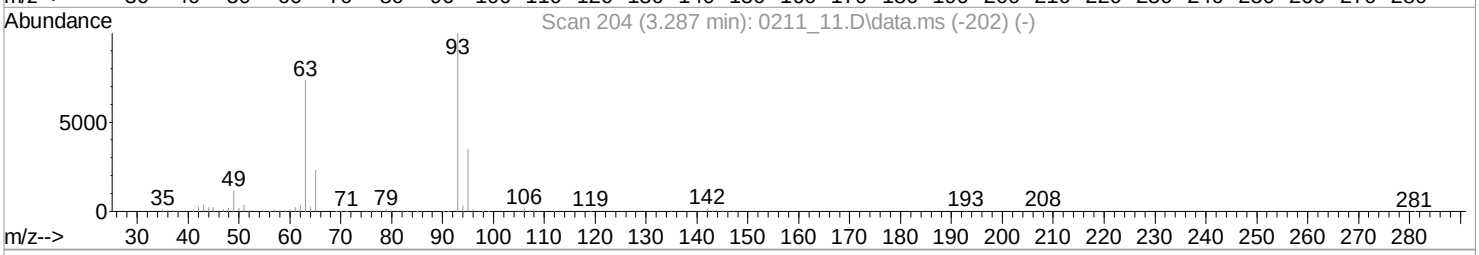
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

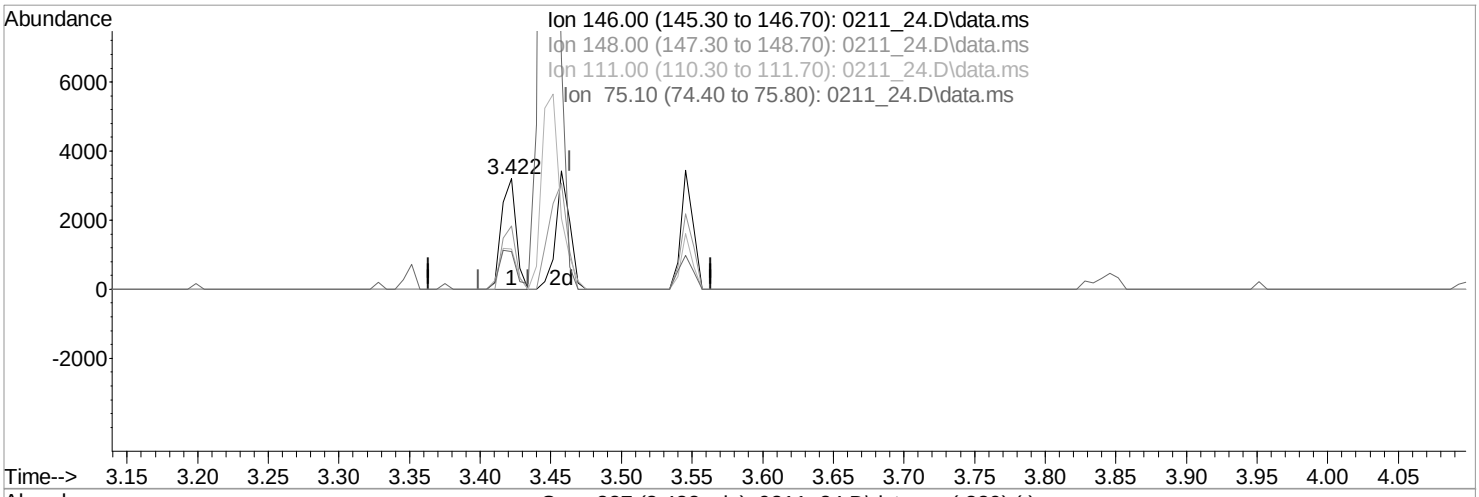
3.281min (-0.006) 43.2534541 ppb m

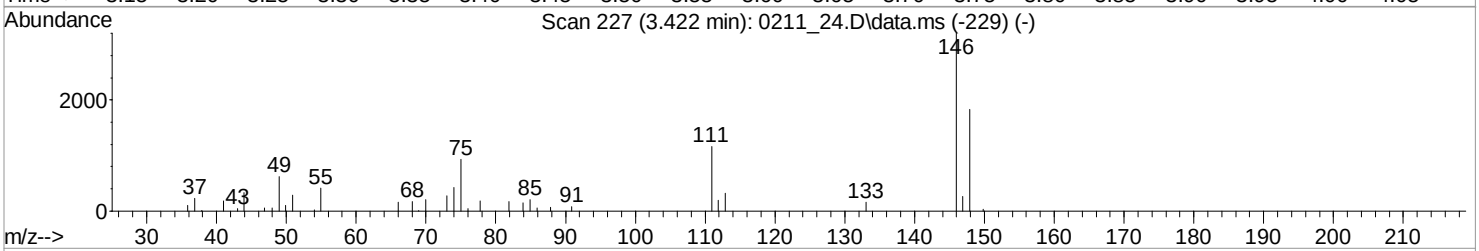
response 1992

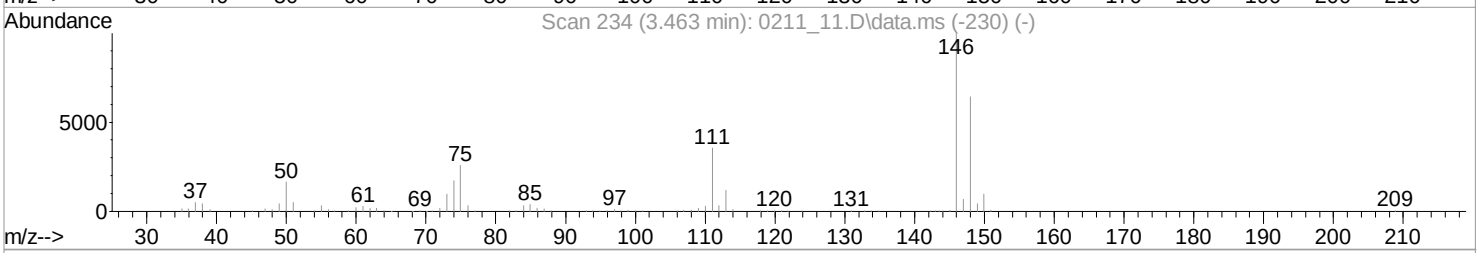
Ion	Exp%	Act%
93.00	100	100
63.00	72.00	84.51
95.00	33.70	31.01
65.00	22.90	23.32

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(13) 1,4-Dichlorobenzene (MTC)

3.422min (-0.041) 40.7922865 ppb

Qvalue = 92

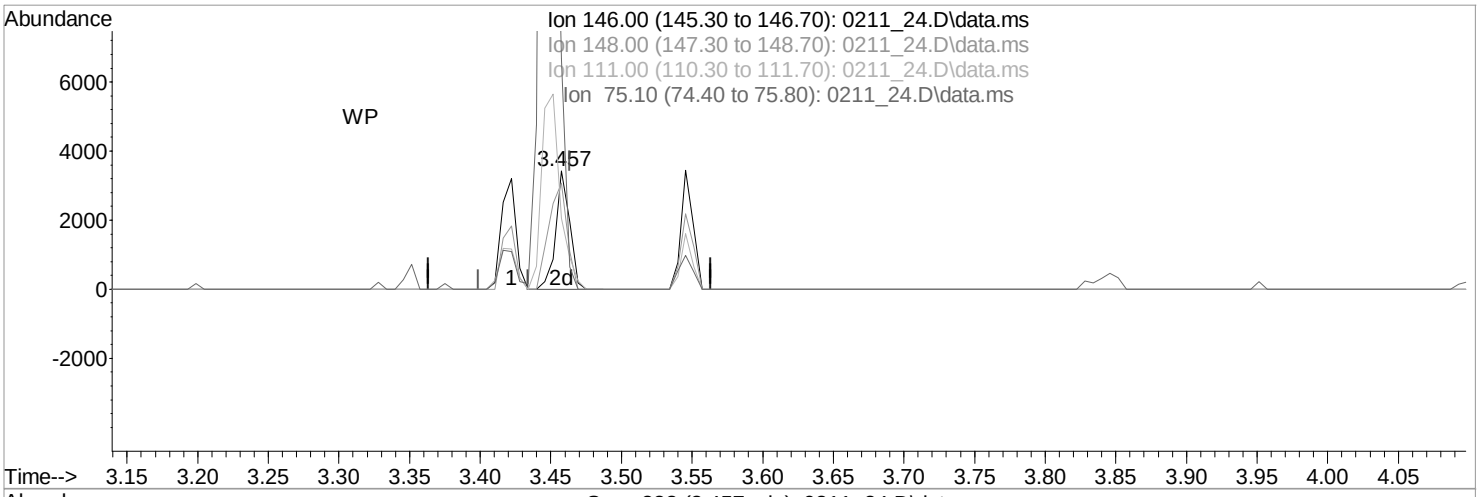
response 2312

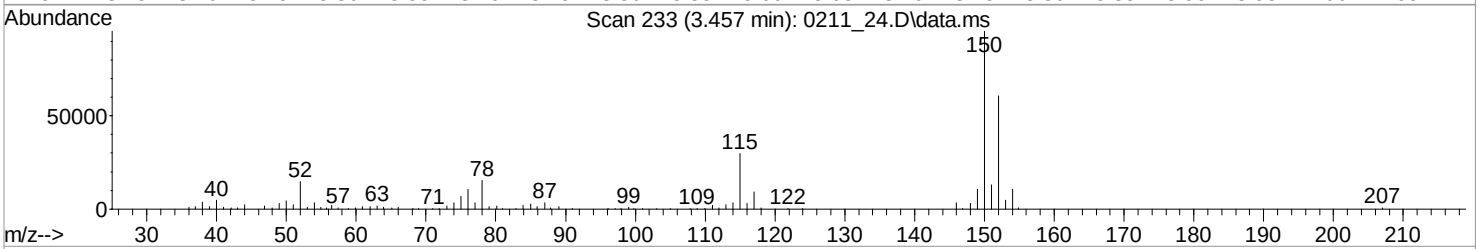
Ion	Exp%	Act%
146.00	100	100
148.00	64.10	56.89
111.00	35.40	36.28
75.10	26.00	34.10

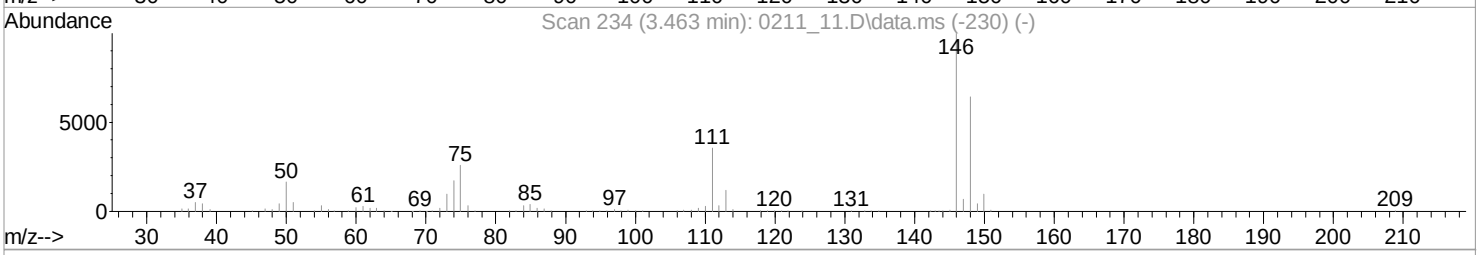
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(13) 1,4-Dichlorobenzene (MTC)

3.457min (-0.006) 41.5156791 ppb m

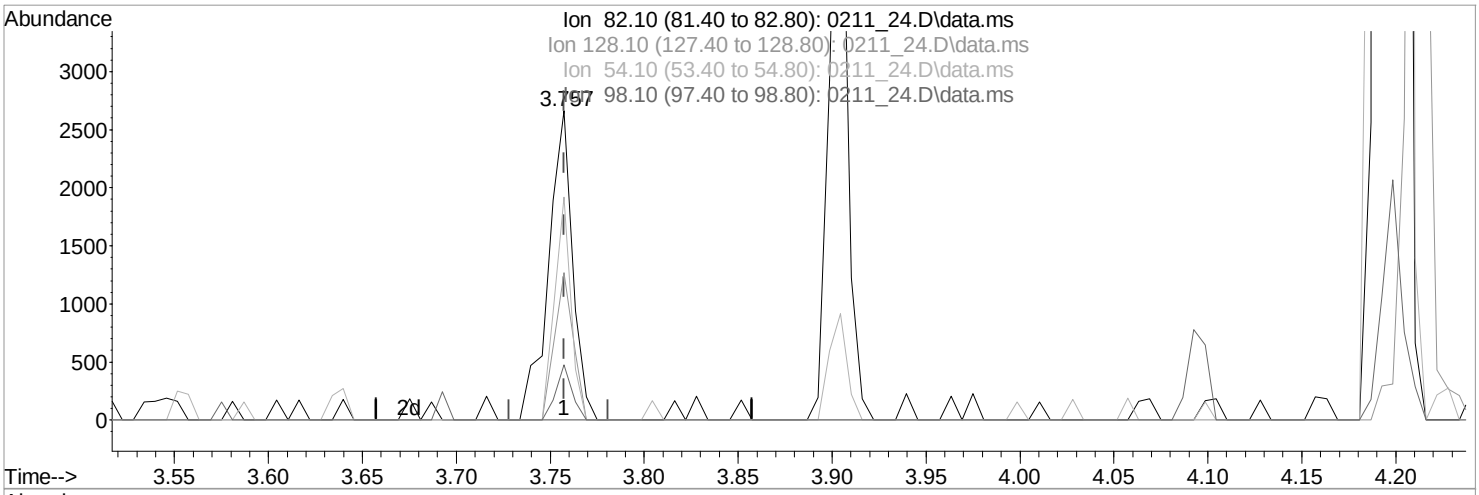
response 2353

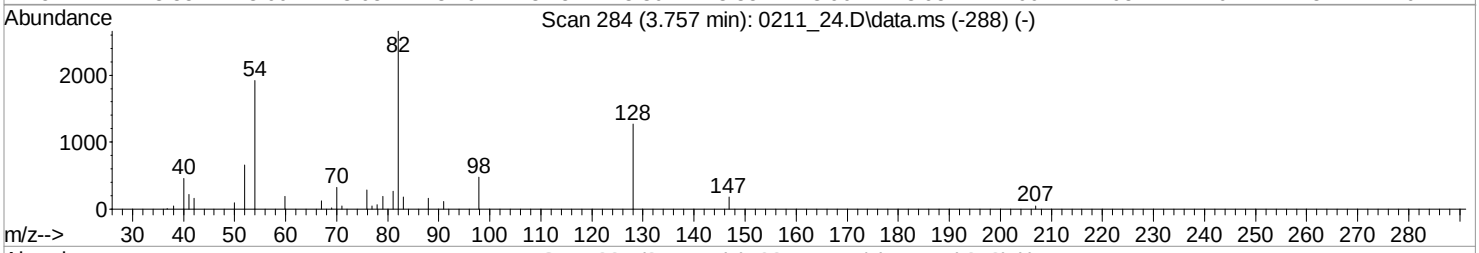
Ion	Exp%	Act%
146.00	100	100
148.00	64.10	89.74#
111.00	35.40	59.94#
75.10	26.00	195.18#

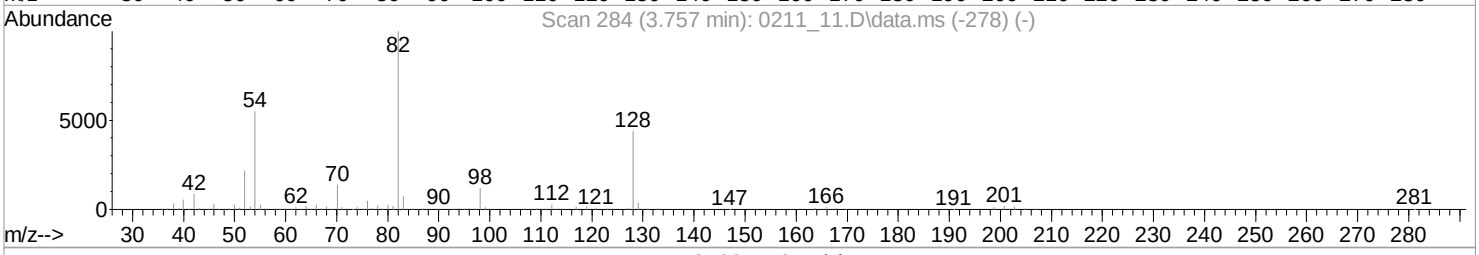
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(24) Nitrobenzene-d5 (S)

3.757min (-0.000) 43.4832803 ppb

Qvalue = 84

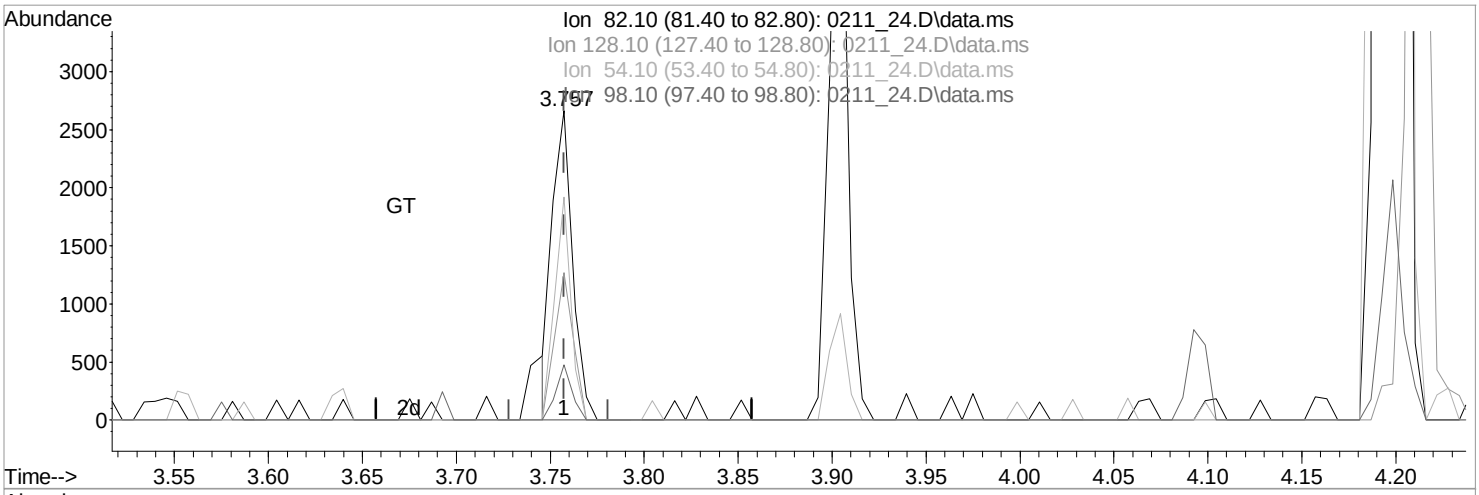
response 2369

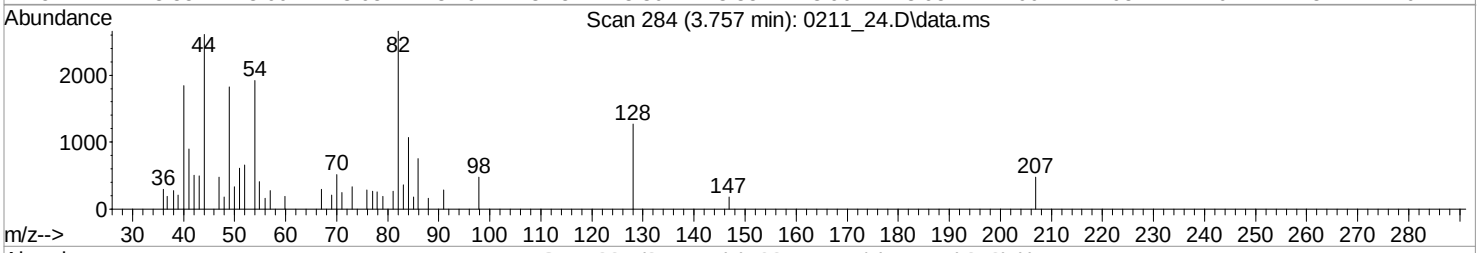
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	47.63
54.10	54.80	72.09
98.10	11.60	17.77

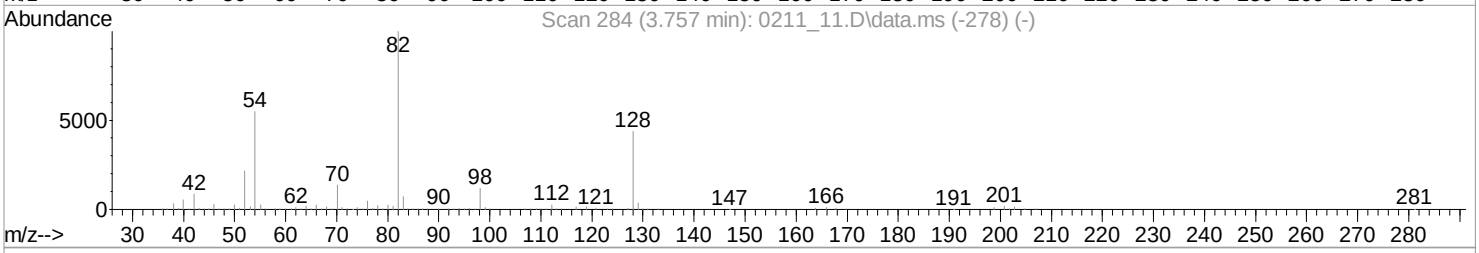
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(24) Nitrobenzene-d5 (S)

3.757min (-0.000) 36.8570818 ppb m

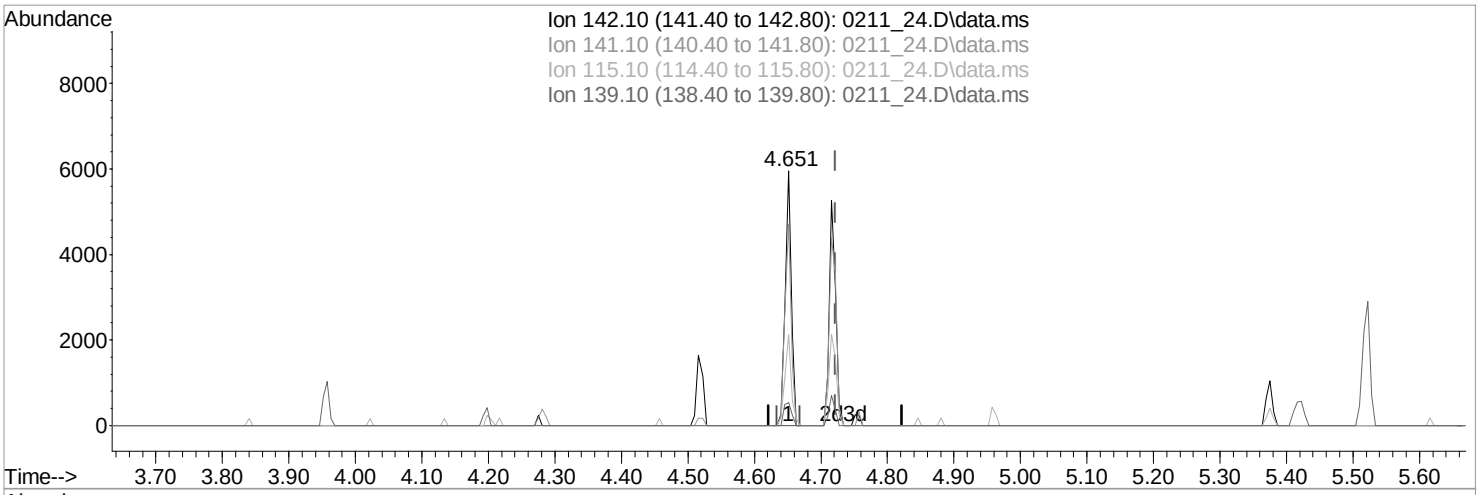
response 2008

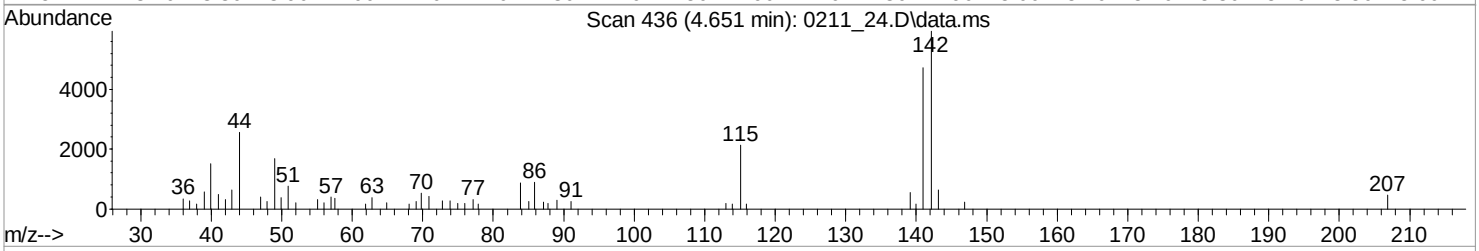
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	47.63
54.10	54.80	72.09
98.10	11.60	17.77

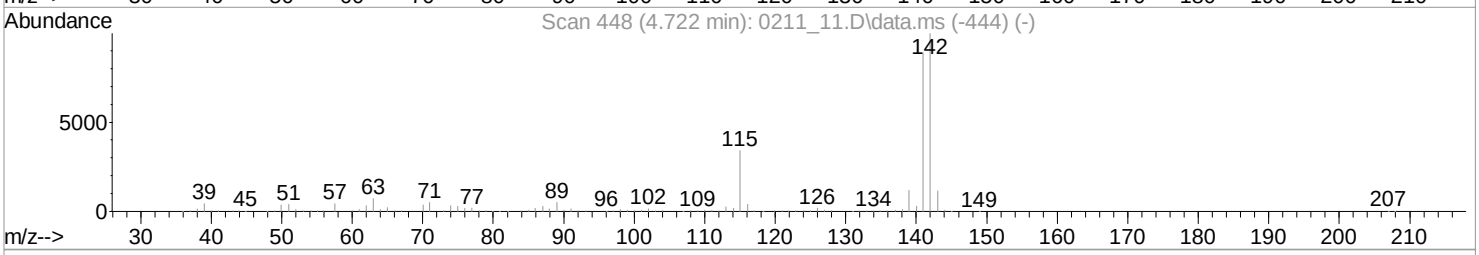
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(42) 1-Methylnaphthalene (MT)

4.651min (-0.071) 40.6466216 ppb

Qvalue = 93

response 3897

Ion	Exp%	Act%
142.10	100	100
141.10	88.70	80.91
115.10	35.10	37.54
139.10	11.50	11.44

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:20:39 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.452	152	348934	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.199	136	1416324	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	775204	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1385143	8000.0000000	ppb		0.00
84) Chrysene-d12	9.363	240	1159053	8000.0000000	ppb		0.00
94) Perylene-d12	12.098	264	1076204	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.757	112	10296	204.1439587	ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 5.10%#				
7) Phenol-d5	3.210	99	13030	205.4648465	ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 5.14%#				
24) Nitrobenzene-d5	3.757	82	12753	198.1741540	ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 9.91%#				
50) 2-Fluorobiphenyl	4.887	172	24835	215.1722952	ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 10.76%#				
73) 2,4,6-Tribromophenol	5.951	330	2187	158.6791750	ppb		0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 3.97%#				
87) p-Terphenyl-d14	7.928	244	30300	221.4215330	ppb		0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 11.07%#				
Target Compounds							Qvalue
2) Pyridine	2.210	79	11314m	205.0391633	ppb		
3) N-Nitrosodimethylamine	2.169	42	6026m	192.5747443	ppb		
5) Aniline	3.263	66	6522	212.3998960	ppb		90
6) bis(2-Chloroethyl)ether	3.281	93	10715	204.3017059	ppb		97
8) Phenol	3.216	94	13086	192.4095495	ppb		95
10) 2-Chlorophenol	3.328	128	10723	186.2107932	ppb		88
11) n-Decane	3.340	41	8195	239.5314900	ppb	#	88
12) 1,3-Dichlorobenzene	3.422	146	12828	213.0187622	ppb		93
13) 1,4-Dichlorobenzene	3.457	146	13198m	211.4869164	ppb		
14) Benzyl Alcohol	3.505	79	9166	203.4942184	ppb		99
15) 1,2-Dichlorobenzene	3.546	146	12103	205.1473631	ppb		98
16) bis(2-Chloroisopropyl)...	3.581	121	4073	207.2170120	ppb	#	68
17) 2,2-oxybis(1-chloropro...	3.581	121	4073	207.2170120	ppb	#	68
18) 2-Methylphenol	3.557	108	9925	197.3773179	ppb		97
19) Hexachloroethane	3.746	117	4946	202.7118171	ppb		94
20) N-Nitrosodi-n-propylamine	3.657	70	7673	191.7909327	ppb		97
21) 3&4-Methyl phenol	3.640	107	11498	200.4054623	ppb		96
25) Nitrobenzene	3.769	77	11263	196.4311791	ppb		97
26) Isophorone	3.905	82	19651	181.4564157	ppb		93
27) 2-Nitrophenol	3.957	139	4226	144.4188295	ppb	#	73
28) 2,4-Dimethylphenol	3.957	107	10829	194.3991193	ppb		93
29) bis(2-Chlorethoxy)methane	4.022	93	13483	208.3654399	ppb		92
30) 2,4-Dichlorophenol	4.099	162	8661	195.4359577	ppb		92
32) 1,2,4-Trichlorobenzene	4.157	180	9798	207.7430588	ppb		98
34) Naphthalene	4.210	128	36609m	187.4913766	ppb		
35) 4-Chloroaniline	4.228	65	4460	214.3364956	ppb		83
36) Hexachloro-1,3-butadiene	4.281	225	4819	194.2929954	ppb		91
40) 4-Chloro-3-methylphenol	4.516	107	9462	198.1778618	ppb		93
41) 2-Methylnaphthalene	4.652	142	22648	189.8711878	ppb		98
42) 1-Methylnaphthalene	4.716	142	21272	181.3944604	ppb		96

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

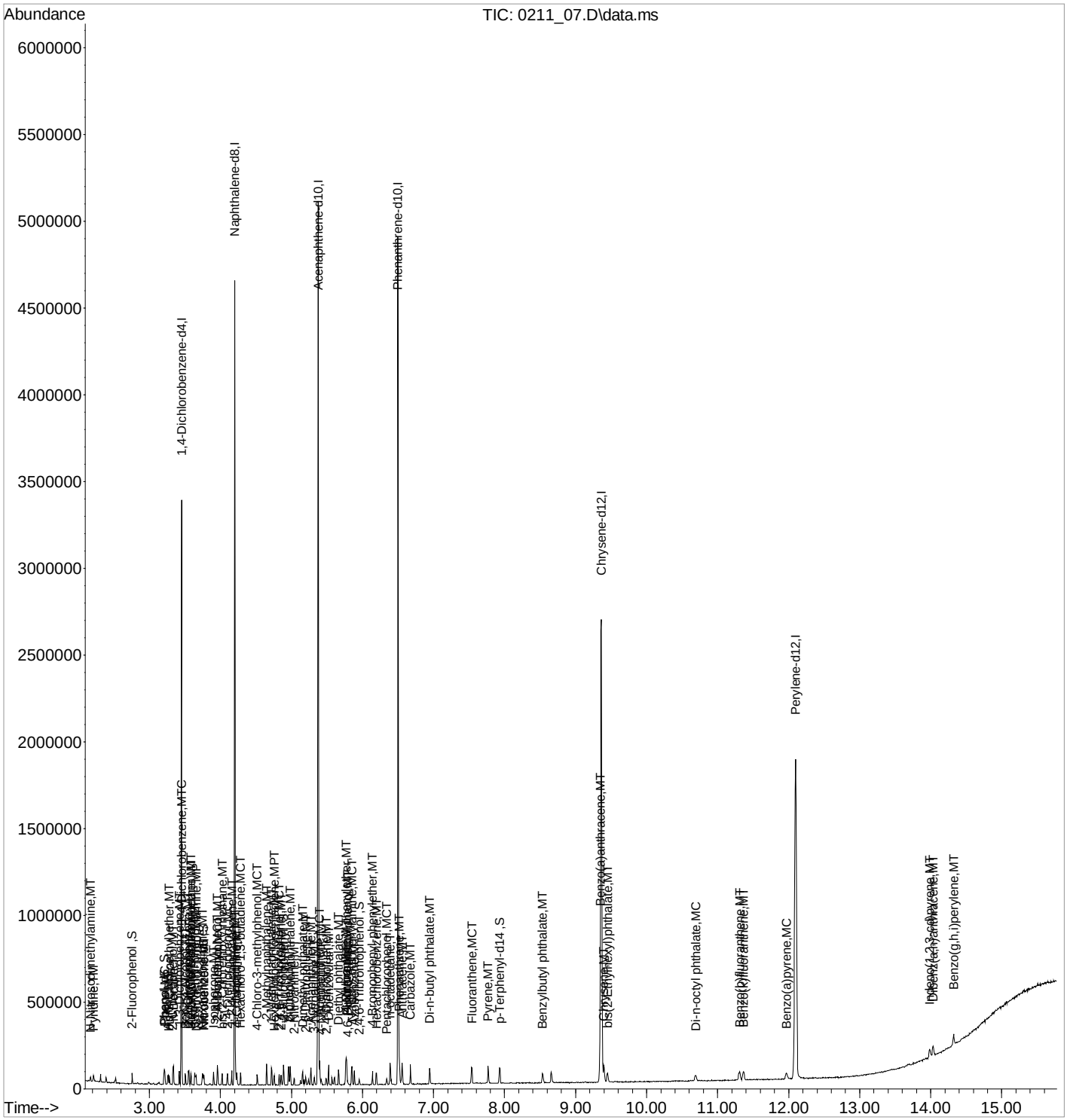
Quant Time: Feb 11 15:20:39 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.757	237	5737	181.0109797 ppb		93
48)	2,4,6-Trichlorophenol	4.828	196	5087	168.2263915 ppb		97
49)	2,4,5-Trichlorophenol	4.851	196	5941	177.6804906 ppb		95
51)	Biphenyl	4.963	154	28770	214.8205775 ppb		100
52)	2-Chloronaphthalene	4.981	162	22246	189.2521917 ppb		97
53)	2-Nitroaniline	5.034	138	5133	140.6163423 ppb	#	88
54)	Acenaphthylene	5.275	152	31521	179.5484097 ppb		99
55)	Dimethyl phthalate	5.157	163	23439	196.6063408 ppb		95
56)	2,6-Dinitrotoluene	5.199	165	3964	141.7789034 ppb	#	83
57)	3-Nitroaniline	5.322	138	4441	134.7984247 ppb		87
58)	Acenaphthene	5.399	153	22990	176.1823227 ppb		97
60)	Dibenzofuran	5.522	168	31443	216.4274269 ppb		99
61)	2,4-Dinitrotoluene	5.493	165	4869	134.3576611 ppb		88
63)	4-Nitrophenol	5.416	139	3885	147.6973622 ppb		90
64)	Fluorene	5.775	166	25653	182.4217176 ppb		98
65)	4-Chlorophenyl-phenyle...	5.769	204	10951	201.6917853 ppb		93
66)	Diethyl phthalate	5.663	149	24044	192.3806345 ppb		98
67)	4-Nitroaniline	5.769	138	4559	124.6399692 ppb	#	78
68)	Azobenzene	5.887	77	23453	179.6243458 ppb		96
71)	4,6-Dinitro-2-methylph...	5.793	198	1803	105.8572199 ppb		84
72)	N-Nitrosodiphenylamine	5.851	169	21049	196.1415325 ppb		99
74)	4-Bromophenyl-phenylether	6.140	248	5846	196.8361467 ppb		87
75)	Hexachlorobenzene	6.198	284	7108	215.0636987 ppb		96
76)	n-octadecane	6.387	55	4810	228.9411521 ppb	#	84
77)	Pentachlorophenol	6.340	266	2326	124.1192104 ppb	#	87
78)	Phenanthrene	6.516	178	39605	170.5263874 ppb		95
79)	Anthracene	6.557	178	36885	172.3794791 ppb		97
80)	Carbazole	6.675	167	35004	202.1370545 ppb		99
81)	Di-n-butyl phthalate	6.945	149	36772	173.5437552 ppb		99
83)	Fluoranthene	7.540	202	36300	164.4643571 ppb		97
86)	Pyrene	7.769	202	38772	170.9094408 ppb		98
88)	Benzylbutyl phthalate	8.534	149	13098	150.7555443 ppb		94
90)	Benzo(a)anthracene	9.345	228	35328	150.3899423 ppb		92
91)	Chrysene	9.398	228	41130	161.5755704 ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.451	149	18472	151.0909439 ppb		98
93)	Di-n-octyl phthalate	10.692	149	27846	144.8365081 ppb		98
95)	Benzo(b)fluoranthene	11.310	252	30150	166.2619220 ppb		97
96)	Benzo(k)fluoranthene	11.363	252	30240m	168.0077298 ppb		
97)	Benzo(a)pyrene	11.969	252	22491	159.4679773 ppb		95
98)	Indeno(1,2,3-cd)pyrene	13.986	276	23048	159.1387691 ppb		97
99)	Dibenz(a,h)anthracene	14.033	278	26220	162.8934133 ppb		98
100)	Benzo(g,h,i)perylene	14.321	276	28582	170.4424127 ppb		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

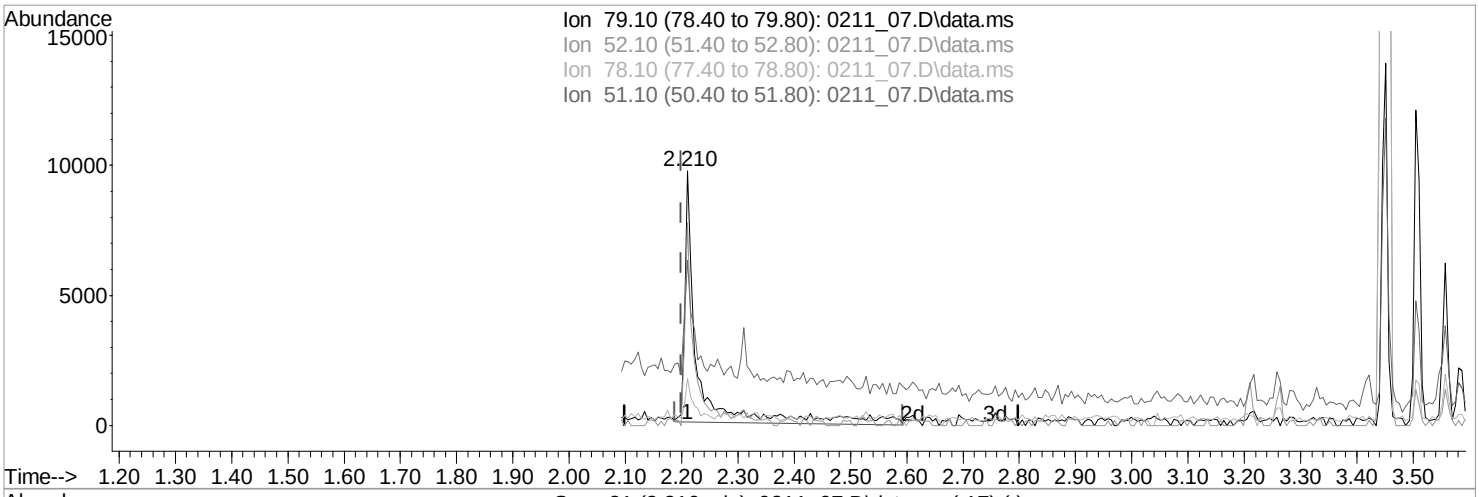
Quant Time: Feb 11 15:20:39 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

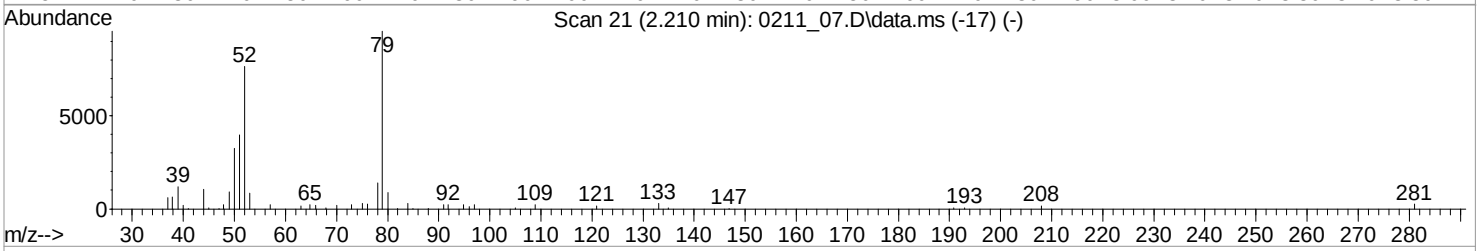


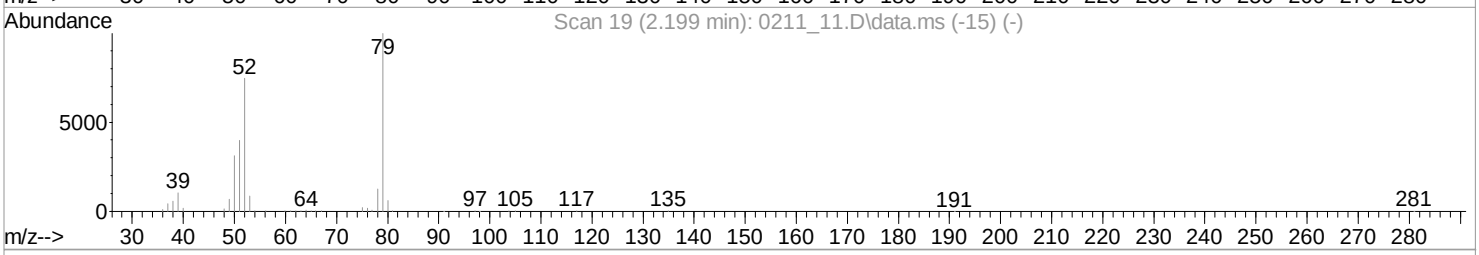
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:13:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_07.D\data.ms

(2) Pyridine (TM)

2.210min (+0.012) 275.3186290 ppb

Qvalue = 89

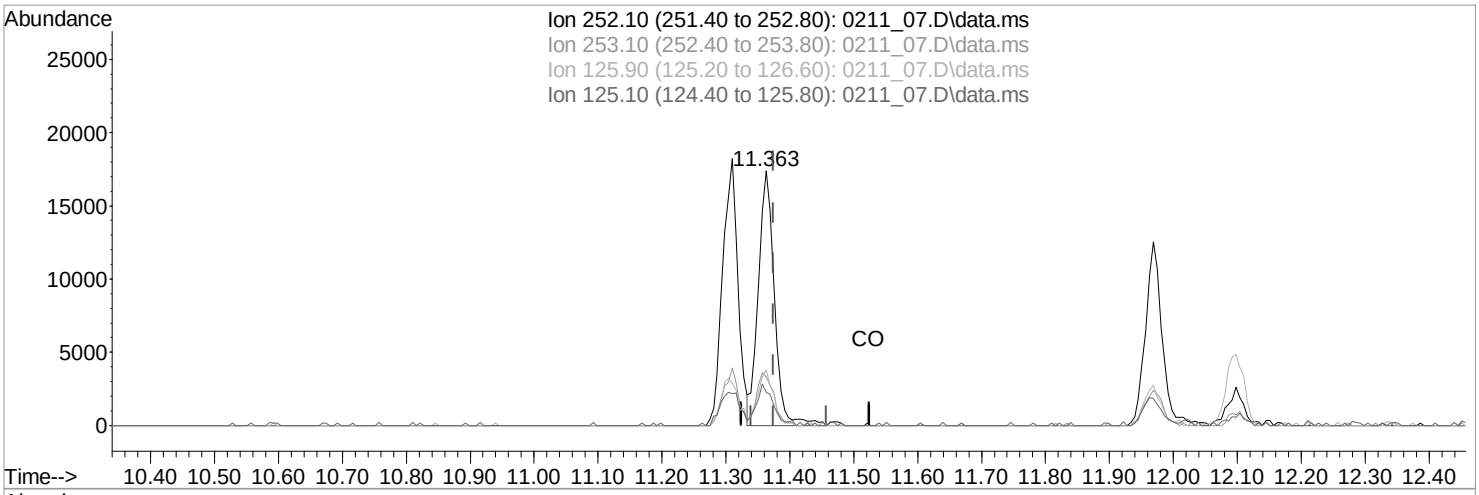
response 15192

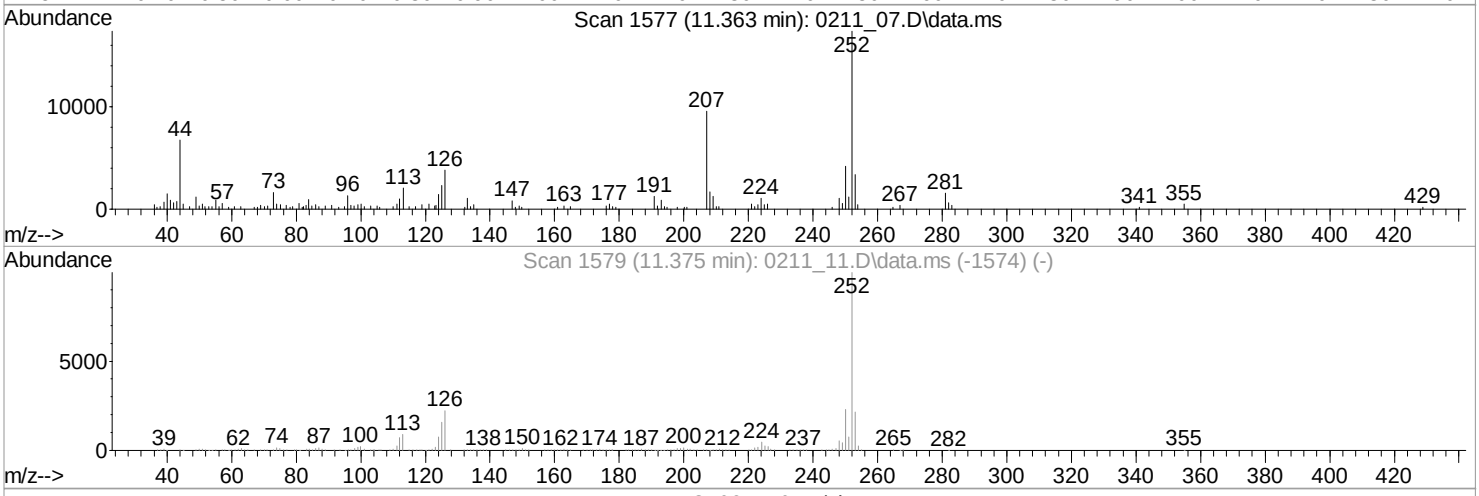
Ion	Exp%	Act%
79.10	100	100
52.10	74.60	80.98
78.10	12.60	17.04#
51.10	40.00	50.06#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:13:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_07.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.363min (-0.012) 168.0077298 ppb m

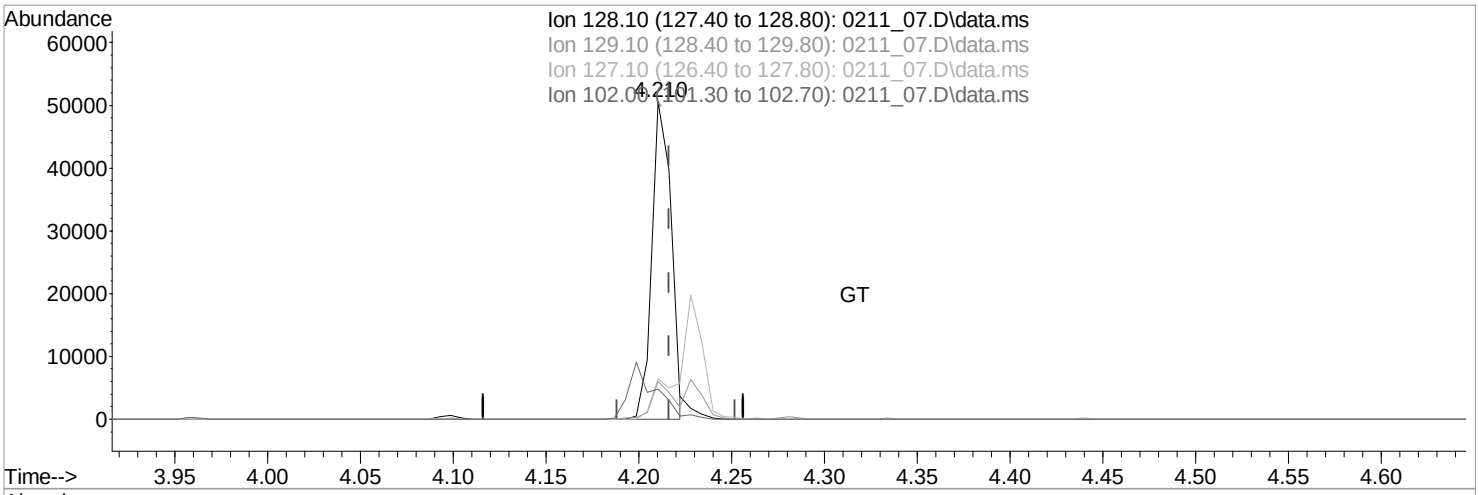
response 30240

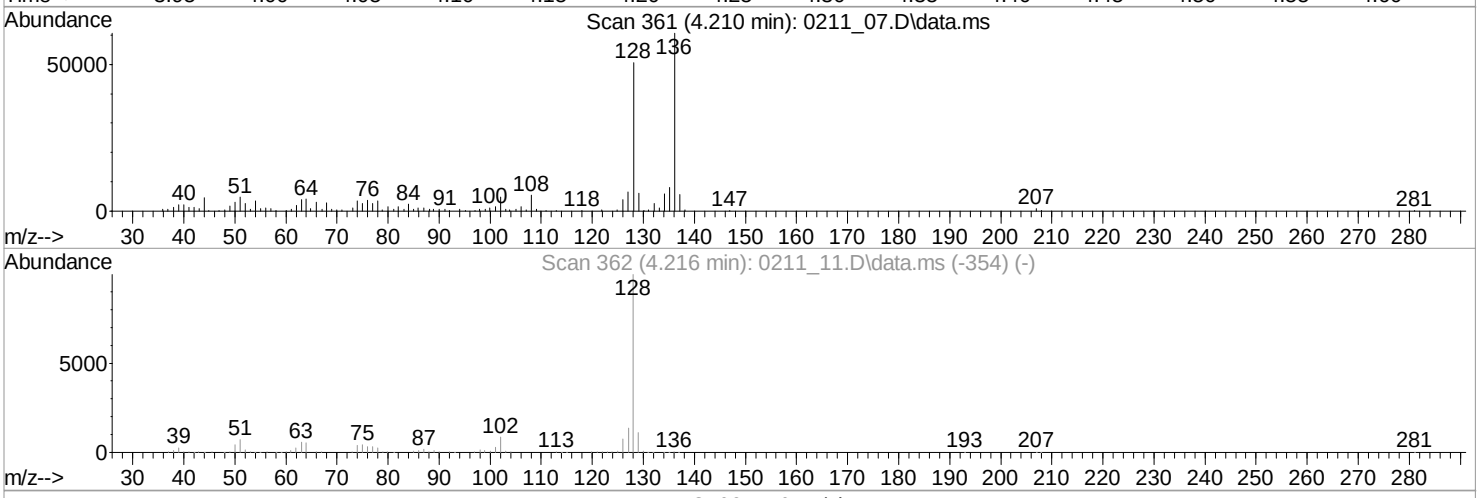
Ion	Exp%	Act%
252.10	100	100
253.10	21.70	19.13
125.90	22.10	21.93
125.10	15.60	13.14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:15:10 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_07.D\data.ms

(34) Naphthalene (MT)

4.210min (-0.006) 187.4913766 ppb m

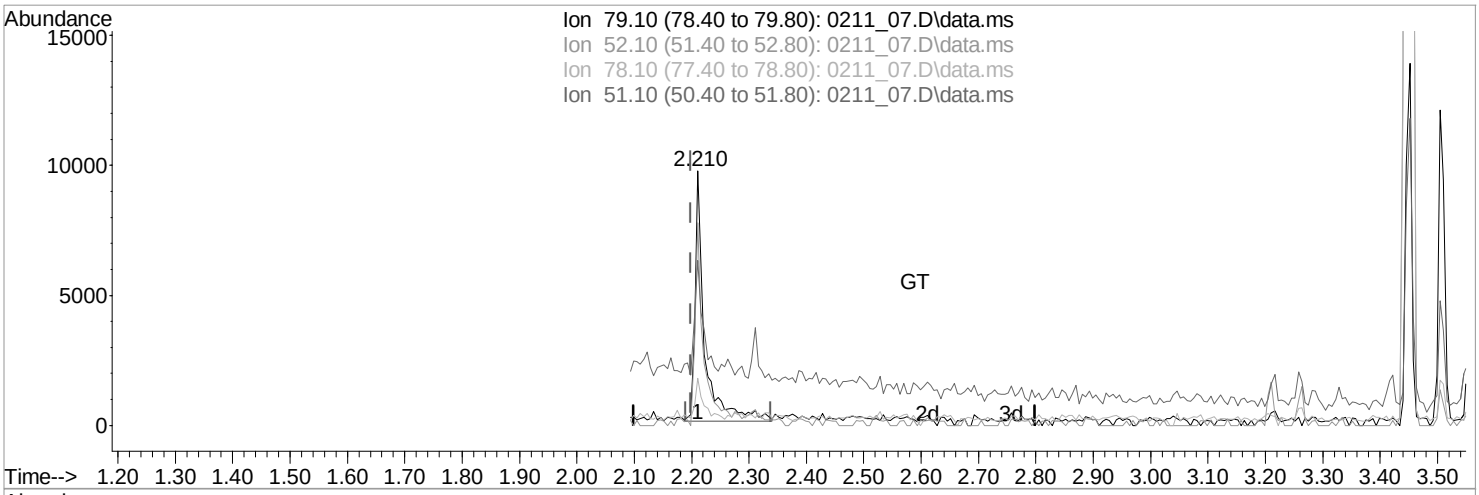
response 36609

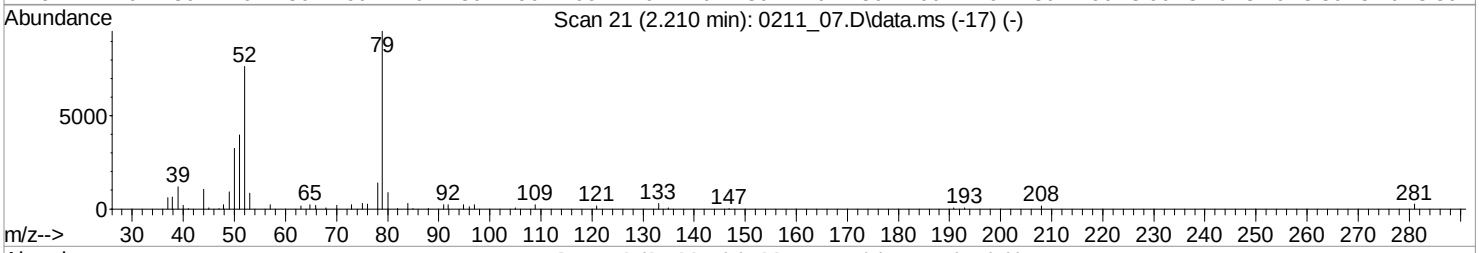
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.87
127.10	13.40	12.74
102.00	8.60	9.43

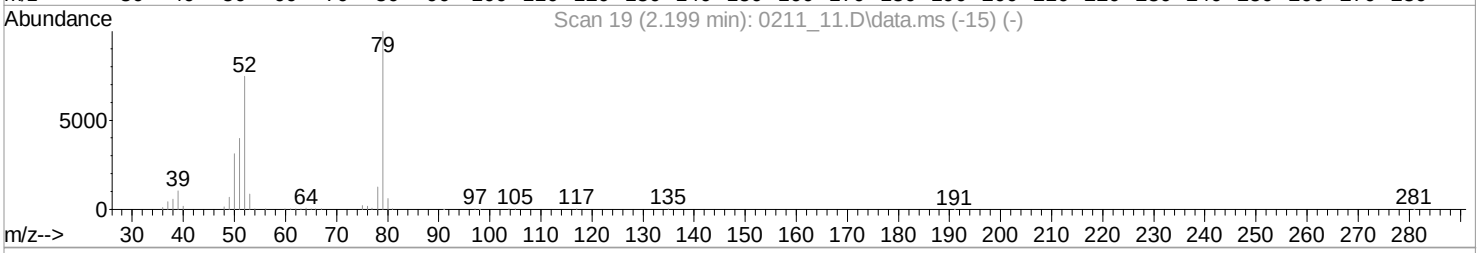
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:13:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_07.D\data.ms

(2) Pyridine (TM)

2.210min (+0.012) 205.0391633 ppb m

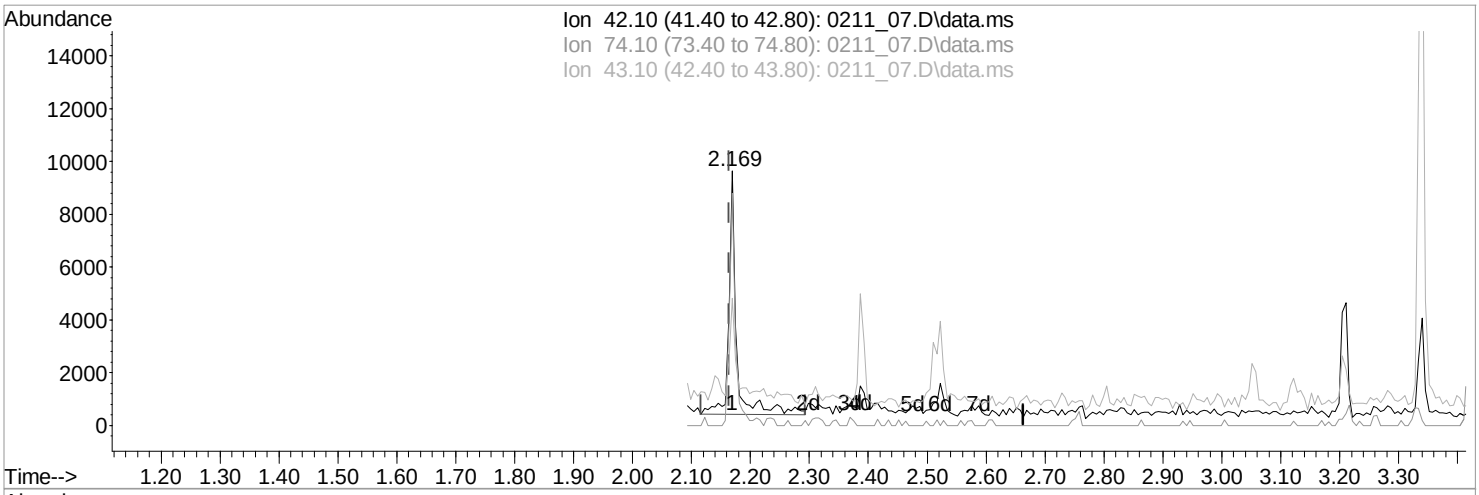
response 11314

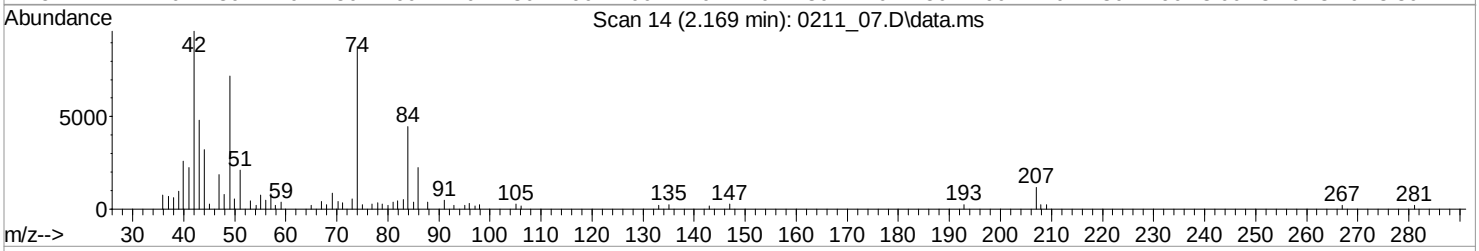
Ion	Exp%	Act%
79.10	100	100
52.10	74.60	79.72
78.10	12.60	18.47#
51.10	40.00	64.92#

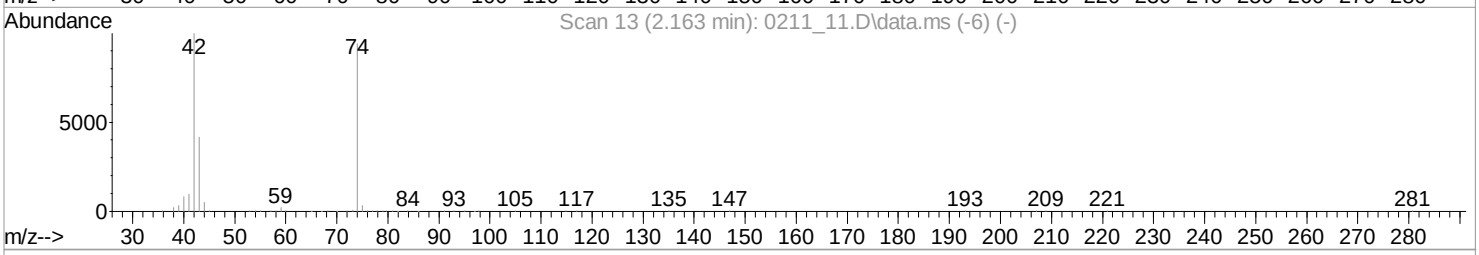
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:13:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_07.D\data.ms

(3) N-Nitrosodimethylamine (MT)

2.169min (+0.006) 275.7915771 ppb

Qvalue = 75

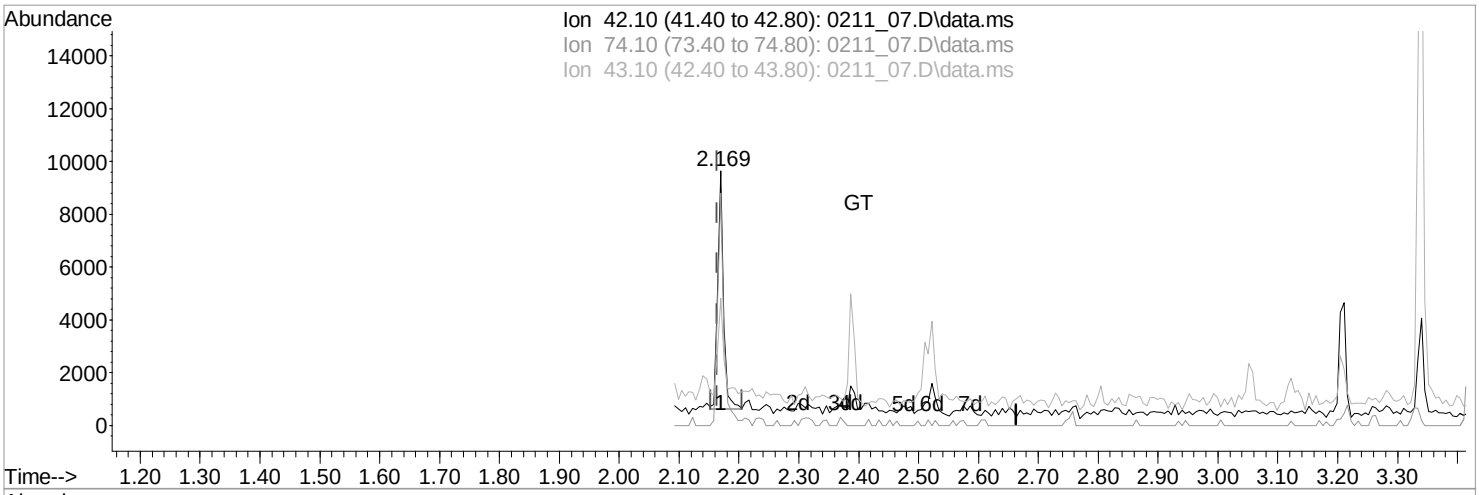
response 8630

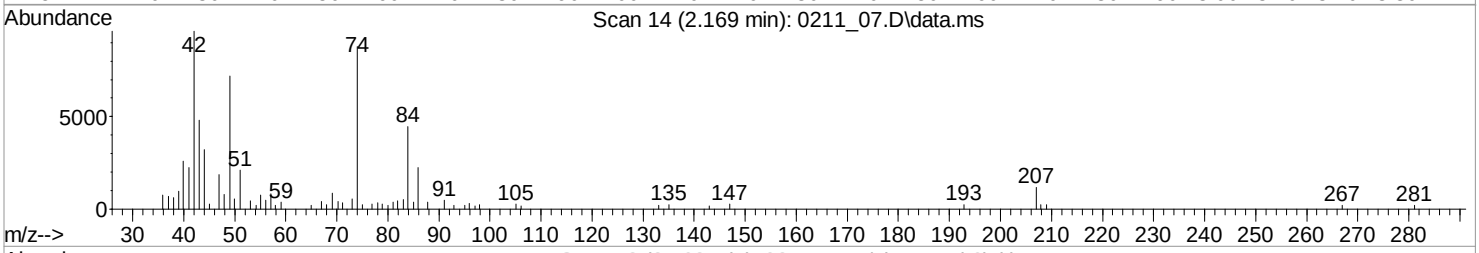
Ion	Exp%	Act%
42.10	100	100
74.10	99.70	76.87#
43.10	42.00	61.23
0.00	0.00	0.00

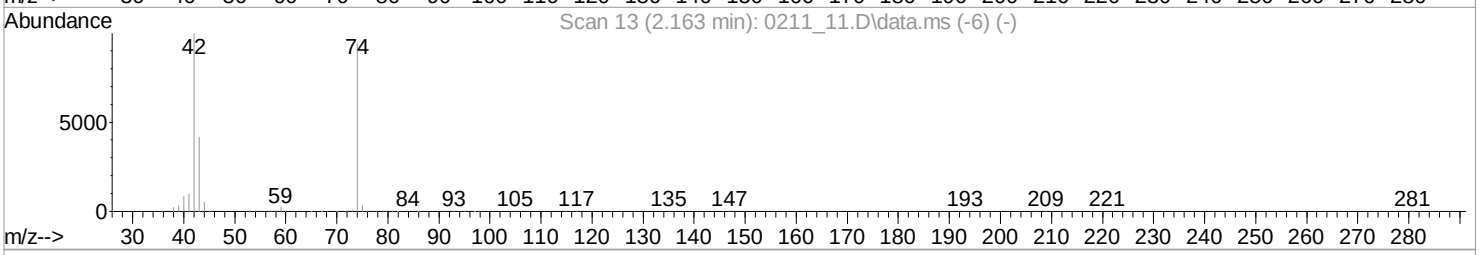
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:13:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_07.D\data.ms

(3) N-Nitrosodimethylamine (MT)

2.169min (+0.006) 192.5747443 ppb m

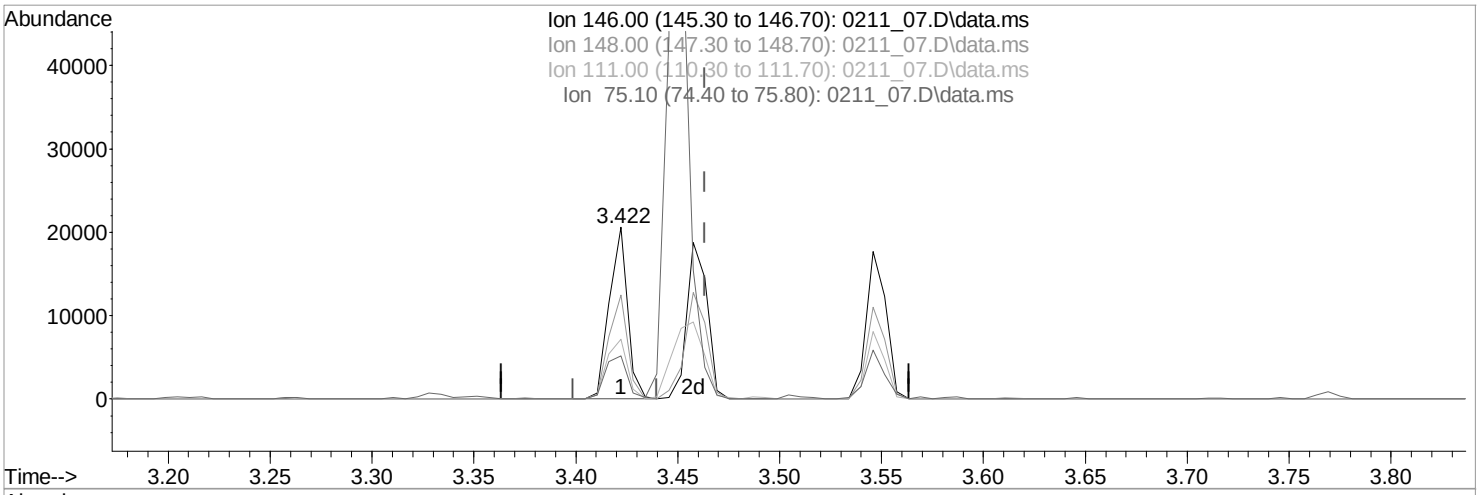
response 6026

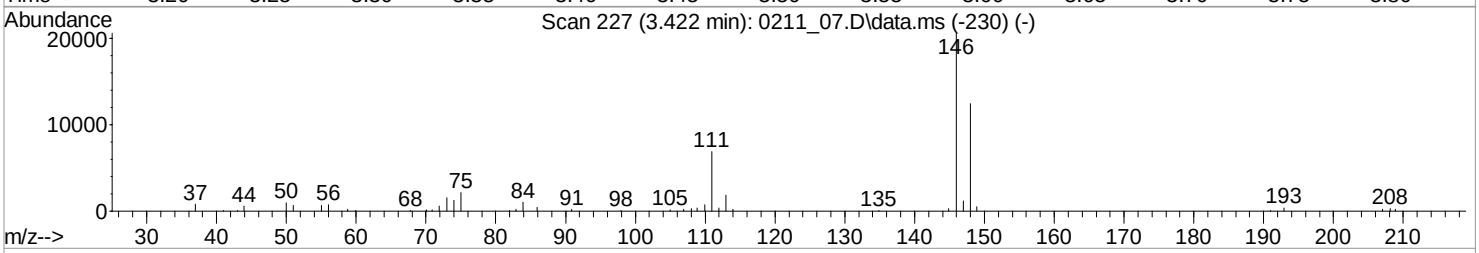
Ion	Exp%	Act%
42.10	100	100
74.10	99.70	110.09
43.10	42.00	87.69#
0.00	0.00	0.00

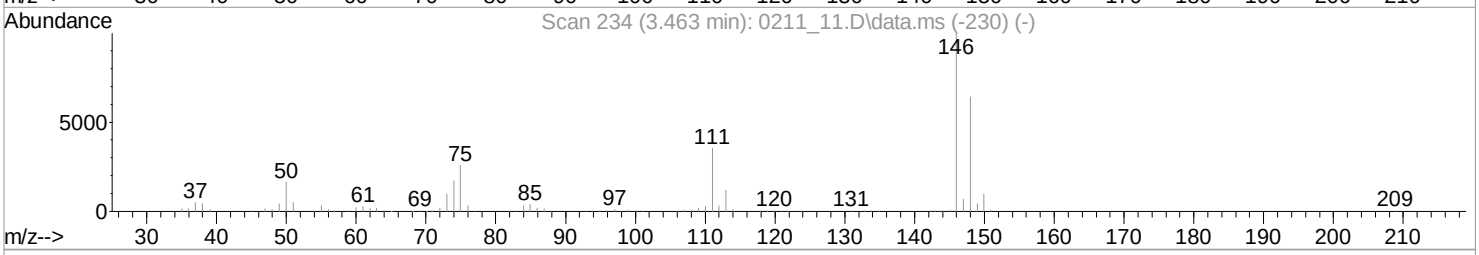
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:13:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_07.D\data.ms

(13) 1,4-Dichlorobenzene (MTC)

3.422min (-0.041) 205.5579757 ppb

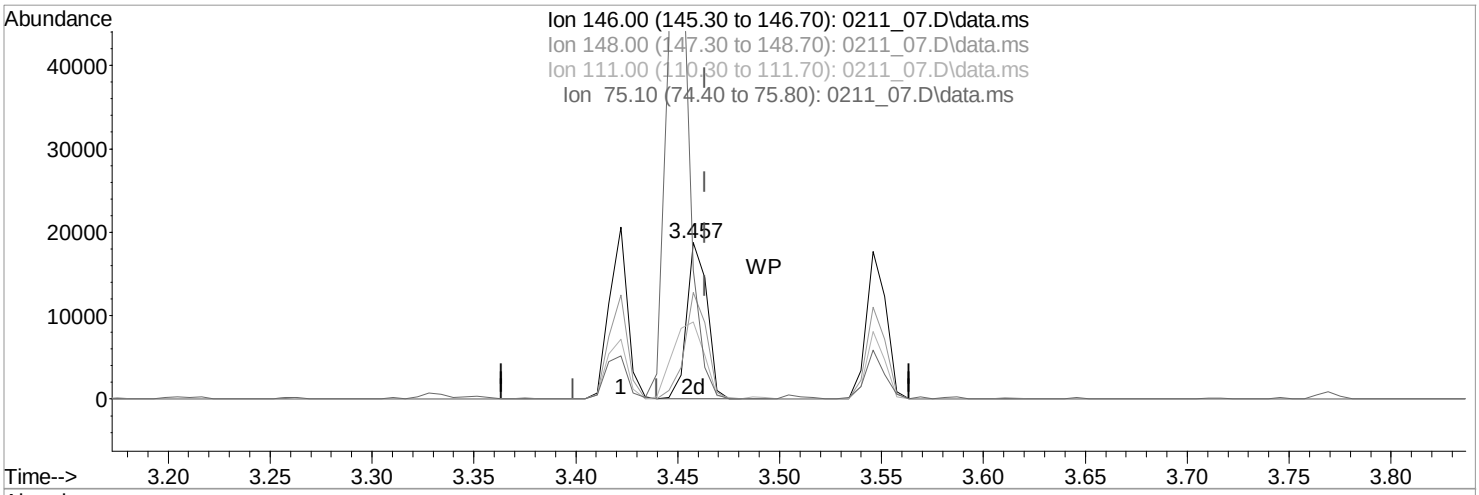
Qvalue = 97

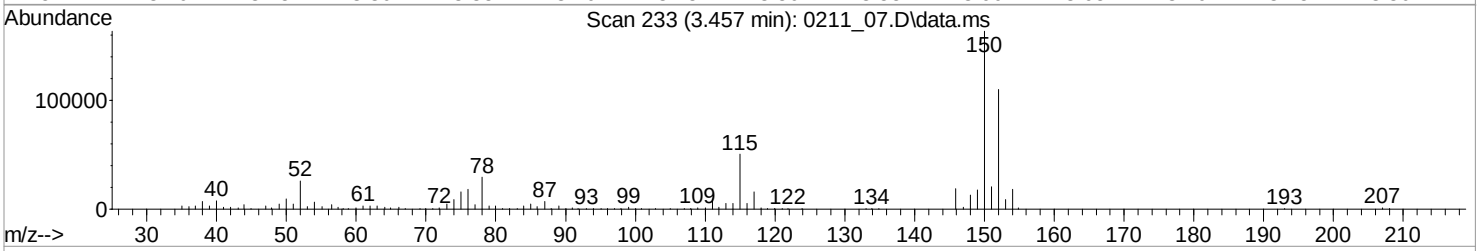
response 12828

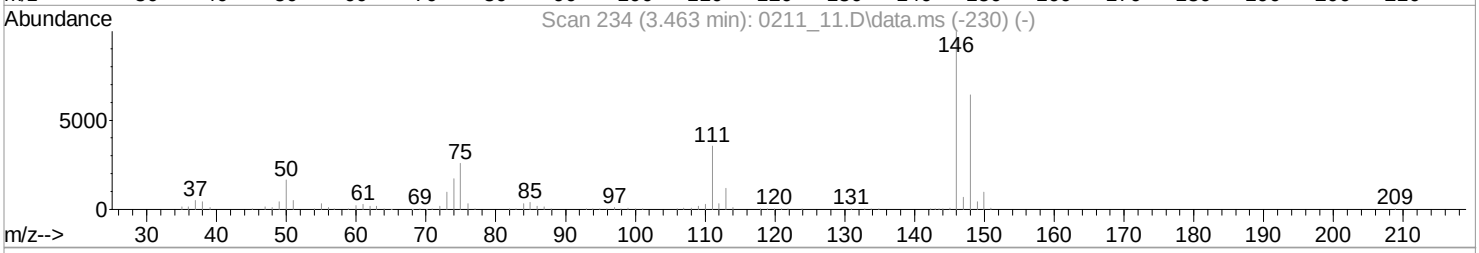
Ion	Exp%	Act%
146.00	100	100
148.00	64.10	60.26
111.00	35.40	34.78
75.10	26.00	24.94

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:13:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_07.D\data.ms

(13) 1,4-Dichlorobenzene (MTC)

3.457min (-0.006) 211.4869164 ppb m

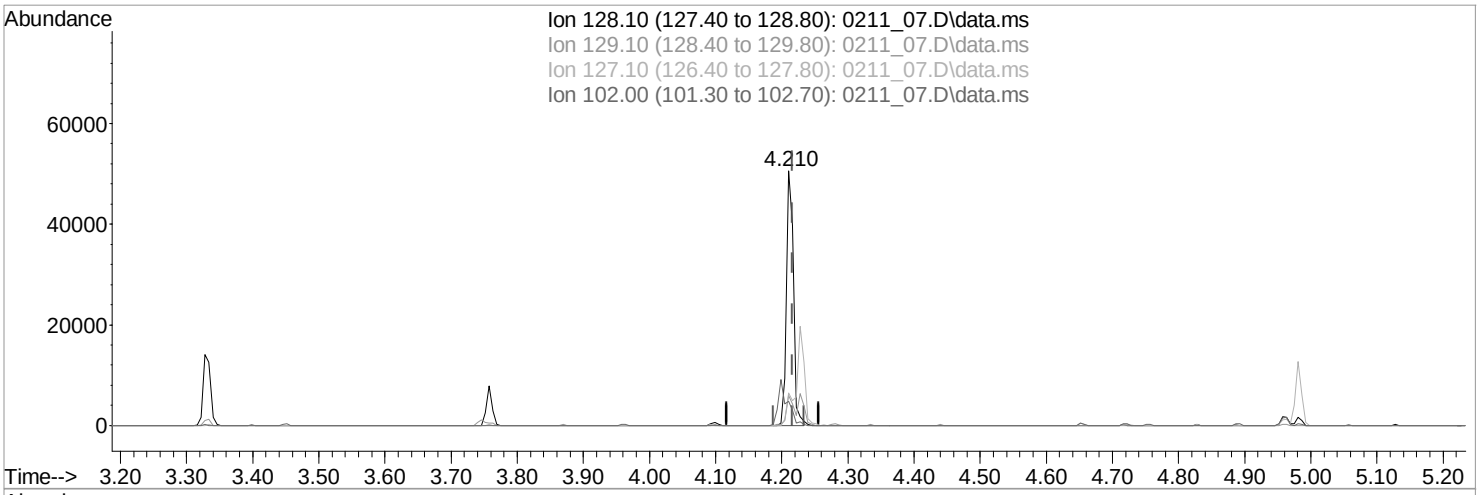
response 13198

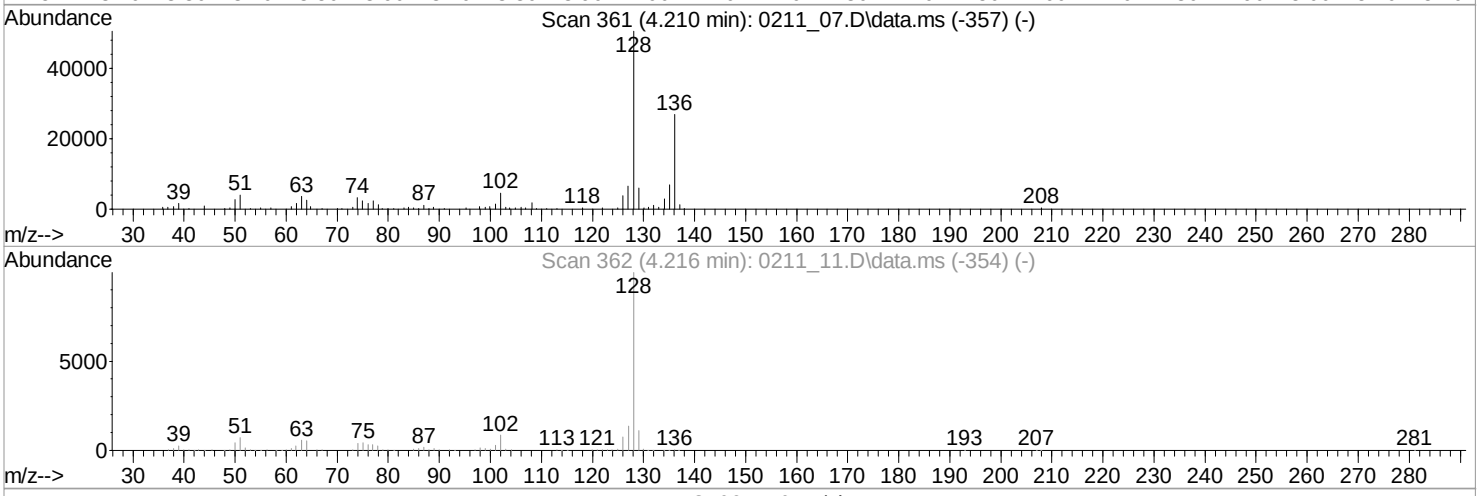
Ion	Exp%	Act%
146.00	100	100
148.00	64.10	68.05
111.00	35.40	49.21
75.10	26.00	82.65#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:13:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_07.D\data.ms

(34) Naphthalene (MT)

4.210min (-0.006) 192.2389661 ppb

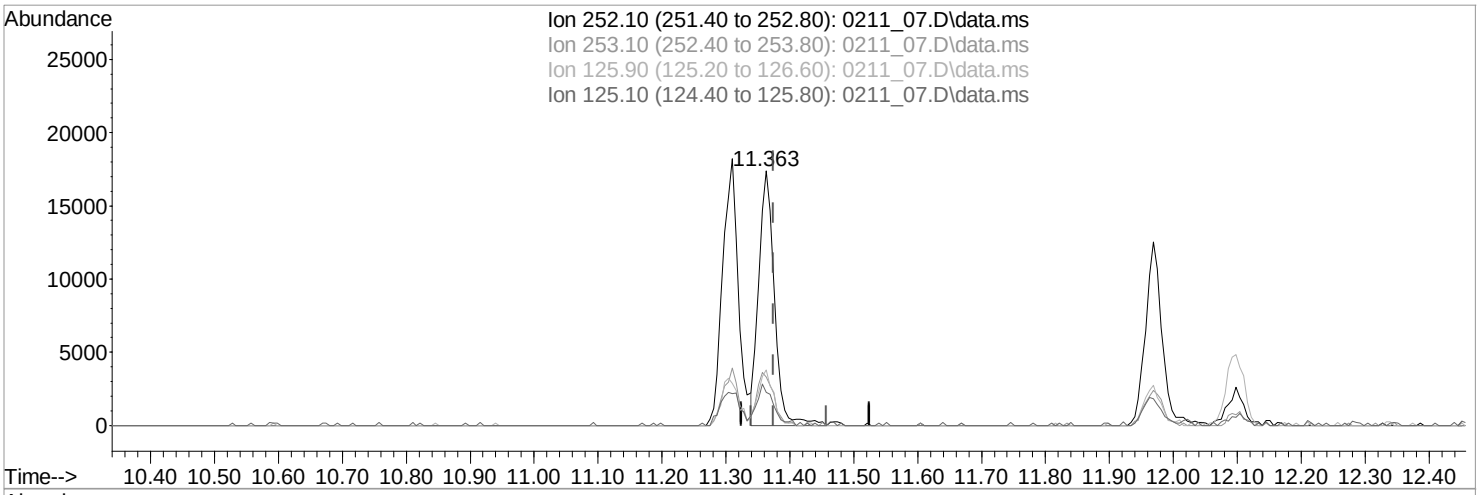
Qvalue = 98

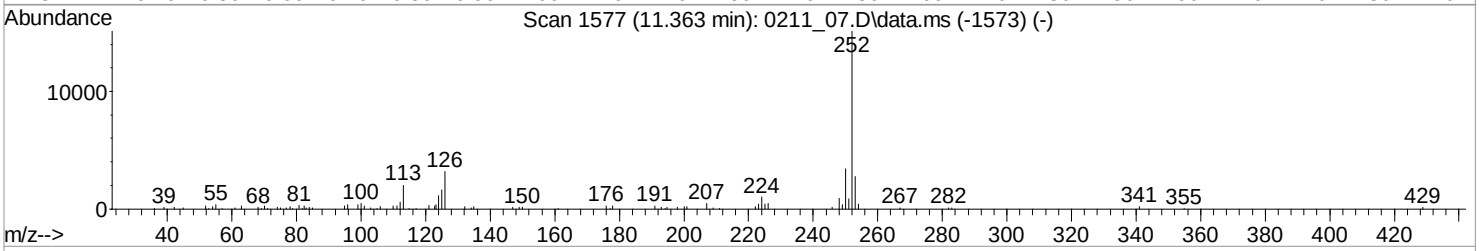
response 37536

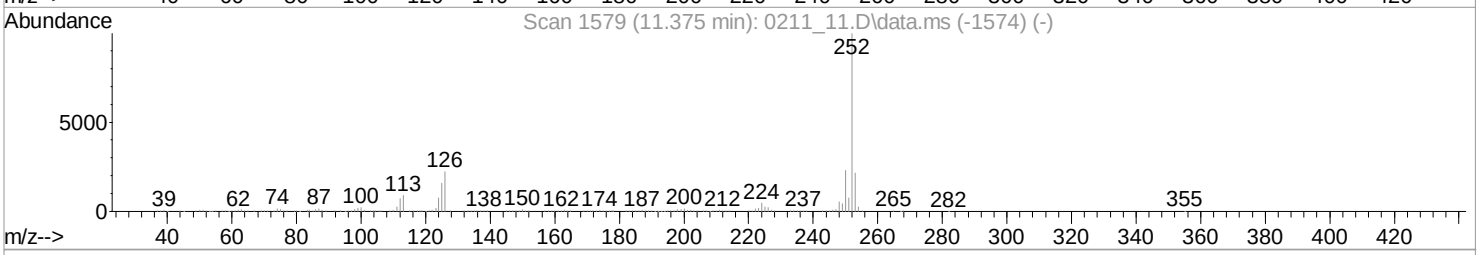
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.87
127.10	13.40	12.74
102.00	8.60	8.99

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:13:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_07.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.363min (-0.012) 163.6408622 ppb

Qvalue = 96

response 29454

Ion	Exp%	Act%
252.10	100	100
253.10	21.70	19.13
125.90	22.10	21.93
125.10	15.60	13.14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
Operator : 917
Sample : STD SVMS 1K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 5 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:16:51 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.452	152	352341	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.199	136	1427847	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	775412	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1394590	8000.0000000	ppb		0.00
84) Chrysene-d12	9.363	240	1156041	8000.0000000	ppb		0.00
94) Perylene-d12	12.098	264	1094683	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.757	112	50084	973.3544344	ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 24.33%				
7) Phenol-d5	3.210	99	62845	968.1680206	ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 24.20%				
24) Nitrobenzene-d5	3.757	82	61550	953.0826789	ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 47.65%				
50) 2-Fluorobiphenyl	4.887	172	117919	984.0588902	ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 49.20%				
73) 2,4,6-Tribromophenol	5.957	330	11141	895.3590322	ppb		0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 22.38%				
87) p-Terphenyl-d14	7.928	244	135086	939.4223621	ppb		0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 46.97%				
Target Compounds							Qvalue
2) Pyridine	2.199	79	60857	1078.6343997	ppb		96
3) N-Nitrosodimethylamine	2.163	42	33562	1082.2703904	ppb		96
5) Aniline	3.263	66	30348	949.3473256	ppb		94
6) bis(2-Chloroethyl)ether	3.281	93	51594	963.8590753	ppb		97
8) Phenol	3.216	94	68123	1011.1463117	ppb		95
10) 2-Chlorophenol	3.334	128	55385	986.4984230	ppb		98
11) n-Decane	3.340	41	38804	1022.2103087	ppb	#	98
12) 1,3-Dichlorobenzene	3.422	146	62693	998.5004726	ppb		98
13) 1,4-Dichlorobenzene	3.457	146	65443	1009.5379457	ppb		89
14) Benzyl Alcohol	3.505	79	41975	914.8833168	ppb		94
15) 1,2-Dichlorobenzene	3.546	146	61224	1014.6626803	ppb		99
16) bis(2-Chloroisopropyl)...	3.581	121	20675	1023.2239574	ppb	#	81
17) 2,2-oxybis(1-chloropro...	3.581	121	20675	1023.2239574	ppb	#	81
18) 2-Methylphenol	3.557	108	49624	983.7744054	ppb		99
19) Hexachloroethane	3.746	117	25185	1015.3426606	ppb		95
20) N-Nitrosodi-n-propylamine	3.657	70	37586	949.8930263	ppb		94
21) 3&4-Methyl phenol	3.640	107	56888	980.9525945	ppb		99
25) Nitrobenzene	3.769	77	56015	977.7634707	ppb		96
26) Isophorone	3.904	82	100494	965.2144478	ppb		91
27) 2-Nitrophenol	3.957	139	24347	958.5037796	ppb		90
28) 2,4-Dimethylphenol	3.957	107	53982	974.8996313	ppb		94
29) bis(2-Chlorethoxy)methane	4.022	93	64630	970.4323387	ppb		98
30) 2,4-Dichlorophenol	4.099	162	41494	939.4777733	ppb		96
32) 1,2,4-Trichlorobenzene	4.157	180	48653	1003.8135808	ppb		99
34) Naphthalene	4.210	128	175408m	902.1244170	ppb		
35) 4-Chloroaniline	4.228	65	21184	974.8930597	ppb		92
36) Hexachloro-1,3-butadiene	4.281	225	25521	1035.4276914	ppb		98
40) 4-Chloro-3-methylphenol	4.522	107	43663	911.2752788	ppb		95
41) 2-Methylnaphthalene	4.651	142	111691	944.7619590	ppb		99
42) 1-Methylnaphthalene	4.722	142	107698	940.1229097	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
Operator : 917
Sample : STD SVMS 1K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 5 Sample Multiplier: 1
InstName : BNAMS20

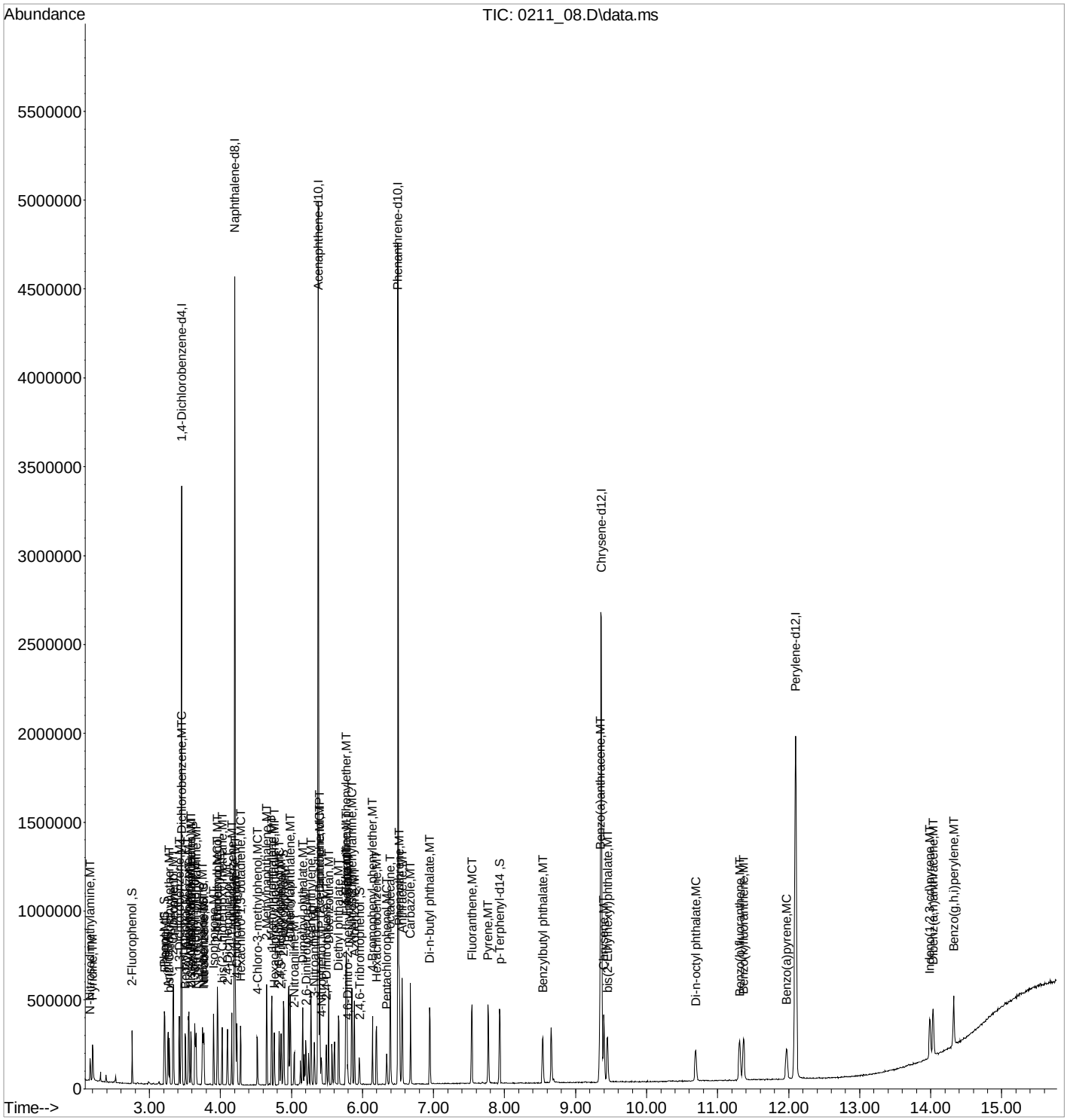
Quant Time: Feb 11 15:16:51 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.757	237	28847	955.2712584 ppb		99
48)	2,4,6-Trichlorophenol	4.828	196	26725	959.7954175 ppb		96
49)	2,4,5-Trichlorophenol	4.851	196	30076	952.3995805 ppb		96
51)	Biphenyl	4.963	154	140000	1007.7370835 ppb		99
52)	2-Chloronaphthalene	4.981	162	106490	922.2132186 ppb		96
53)	2-Nitroaniline	5.040	138	26865	864.0311007 ppb		92
54)	Acenaphthylene	5.275	152	162803	959.8182392 ppb		100
55)	Dimethyl phthalate	5.157	163	119488	1010.5703652 ppb		97
56)	2,6-Dinitrotoluene	5.204	165	23872	998.9988760 ppb		92
57)	3-Nitroaniline	5.322	138	26385	956.5798203 ppb		94
58)	Acenaphthene	5.399	153	113003	901.5465191 ppb		97
59)	2,4-Dinitrophenol	5.399	184	7404	590.3101097 ppb	#	1
60)	Dibenzofuran	5.522	168	152066	1005.1354629 ppb		99
61)	2,4-Dinitrotoluene	5.493	165	28241	932.0408157 ppb		87
63)	4-Nitrophenol	5.422	139	19935m	871.6457935 ppb		
64)	Fluorene	5.775	166	127303	932.3397371 ppb		99
65)	4-Chlorophenyl-phenyle...	5.769	204	55436	1016.4285272 ppb		95
66)	Diethyl phthalate	5.663	149	120814	985.1623600 ppb		98
67)	4-Nitroaniline	5.769	138	26399	889.0305949 ppb		92
68)	Azobenzene	5.887	77	128645	1037.8847464 ppb		99
71)	4,6-Dinitro-2-methylph...	5.793	198	9987	761.6389166 ppb	#	70
72)	N-Nitrosodiphenylamine	5.851	169	103558	967.7862096 ppb		99
74)	4-Bromophenyl-phenylether	6.140	248	28405	957.4975456 ppb	#	81
75)	Hexachlorobenzene	6.198	284	33107	958.8105955 ppb		98
76)	n-octadecane	6.387	55	21030	927.1038884 ppb		98
77)	Pentachlorophenol	6.340	266	13870	907.2125278 ppb		91
78)	Phenanthrene	6.516	178	185430	833.9598676 ppb		98
79)	Anthracene	6.557	178	178037	866.2860164 ppb		100
80)	Carbazole	6.675	167	169698	968.1417418 ppb		99
81)	Di-n-butyl phthalate	6.945	149	189794	952.6662807 ppb		99
83)	Fluoranthene	7.540	202	173552	830.1519282 ppb		98
86)	Pyrene	7.769	202	178742	830.2111202 ppb		99
88)	Benzylbutyl phthalate	8.539	149	67177	884.0450919 ppb		95
90)	Benzo(a)anthracene	9.345	228	155920	725.4581879 ppb		98
91)	Chrysene	9.398	228	169096	711.5794943 ppb		98
92)	bis(2-Ethylhexyl)phtha...	9.451	149	92802	867.0662315 ppb		97
93)	Di-n-octyl phthalate	10.692	149	133970	810.4003043 ppb		98
95)	Benzo(b)fluoranthene	11.310	252	138279m	794.3315821 ppb		
96)	Benzo(k)fluoranthene	11.363	252	148200m	855.0645727 ppb		
97)	Benzo(a)pyrene	11.969	252	111810	835.8485870 ppb		96
98)	Indeno(1,2,3-cd)pyrene	13.986	276	111424	811.6323840 ppb		99
99)	Dibenz(a,h)anthracene	14.033	278	125197	815.0721805 ppb		96
100)	Benzo(g,h,i)perylene	14.321	276	131166	808.8202269 ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
Operator : 917
Sample : STD SVMS 1K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 5 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:16:51 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
Operator : 917
Sample : STD SVMS 1K ppb 22B08397 exp 07/15/22
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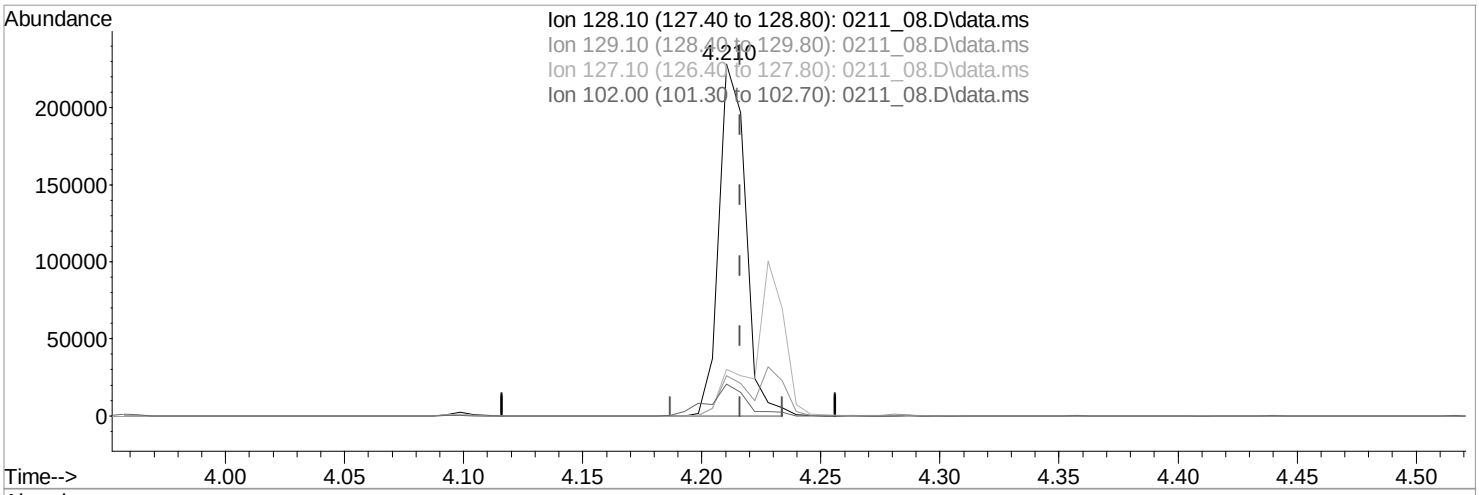
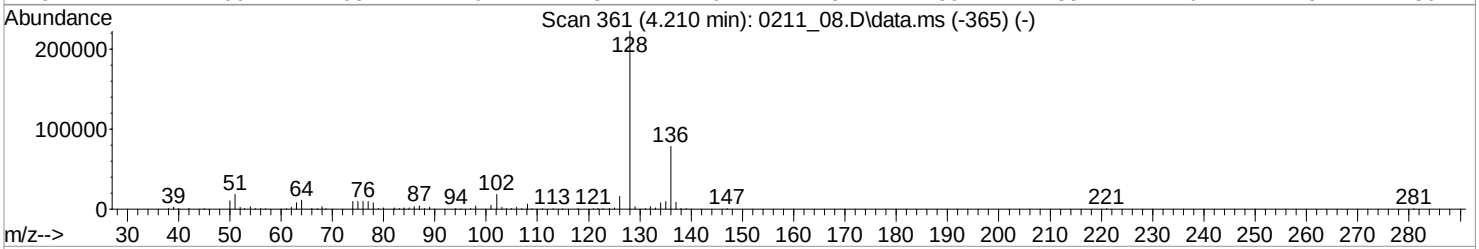
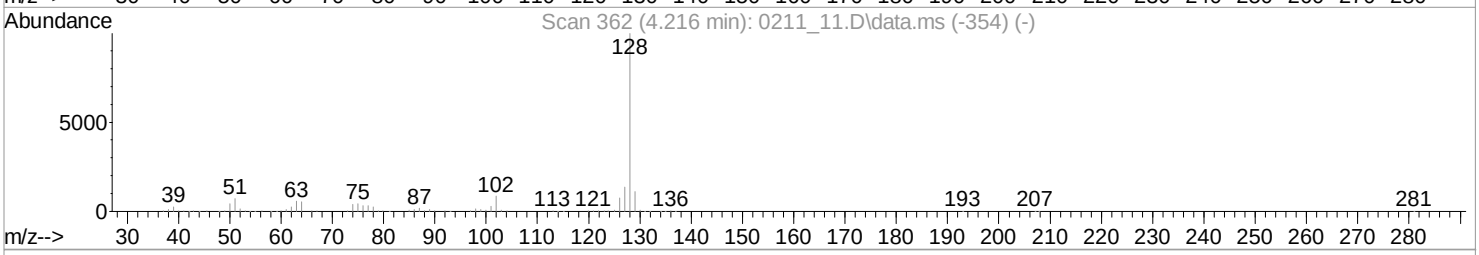
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_08.D\data.ms

(34) Naphthalene (MT)

4.210min (-0.006) 911.6801224 ppb

Qvalue = 99

response 177266

Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.32
127.10	13.40	13.31
102.00	8.60	8.97

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
Operator : 917
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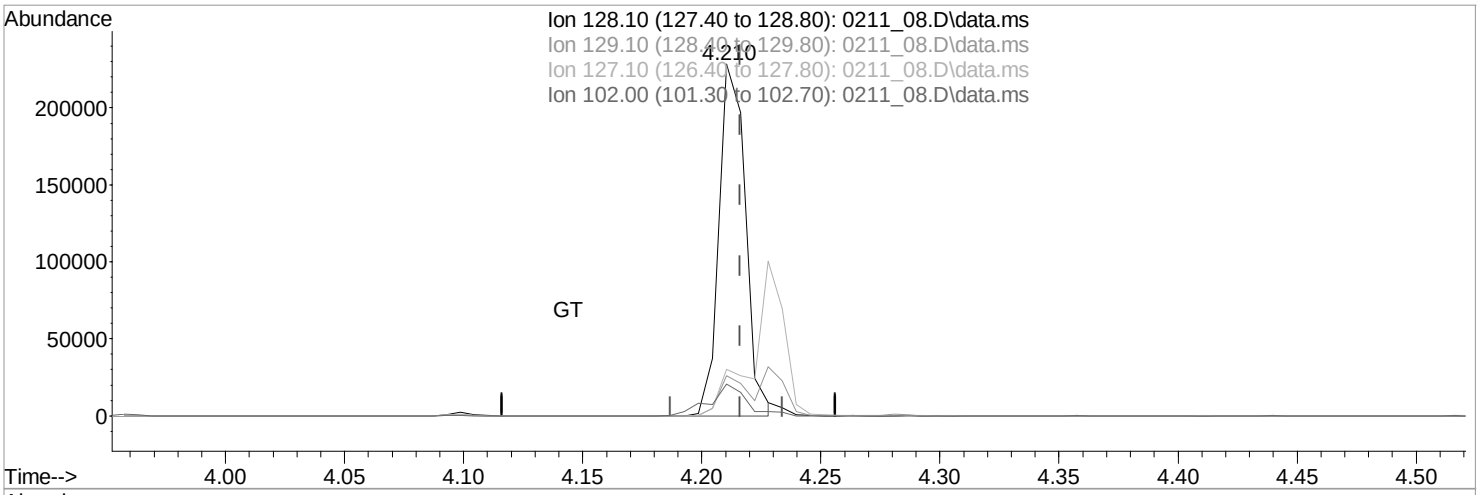
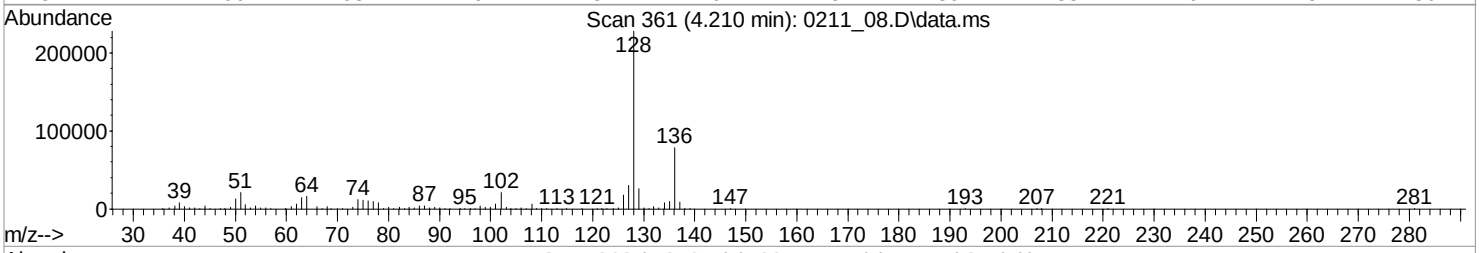
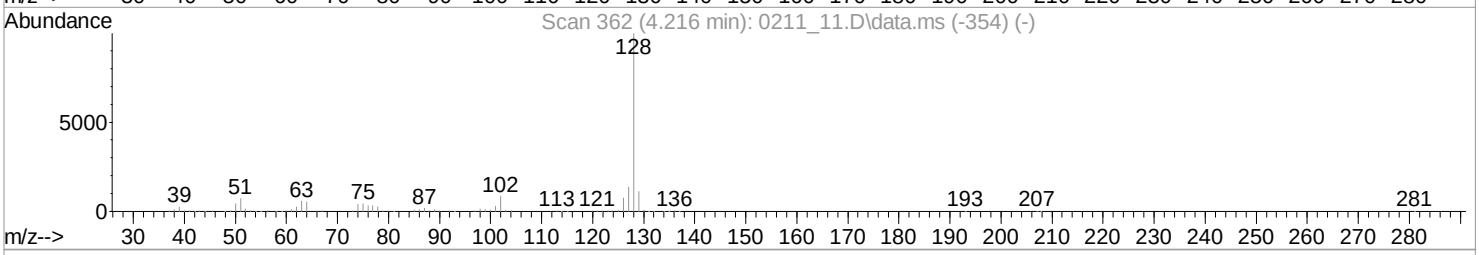
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 5 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:15:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_08.D\data.ms

(34) Naphthalene (MT)

4.210min (-0.006) 902.1244170 ppb m

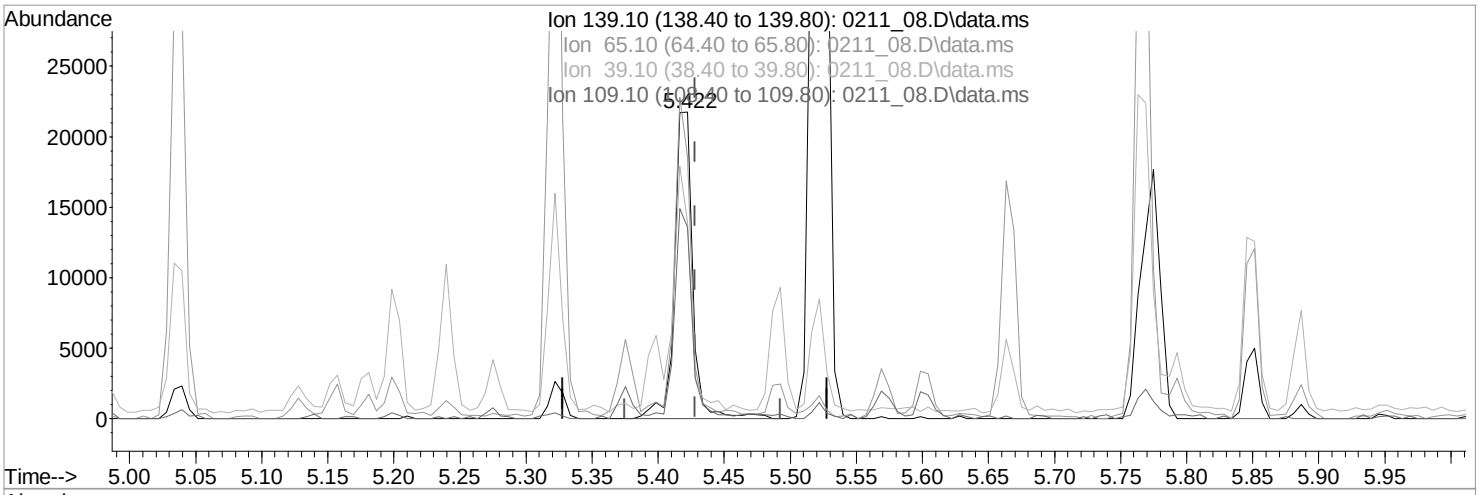
response 175408

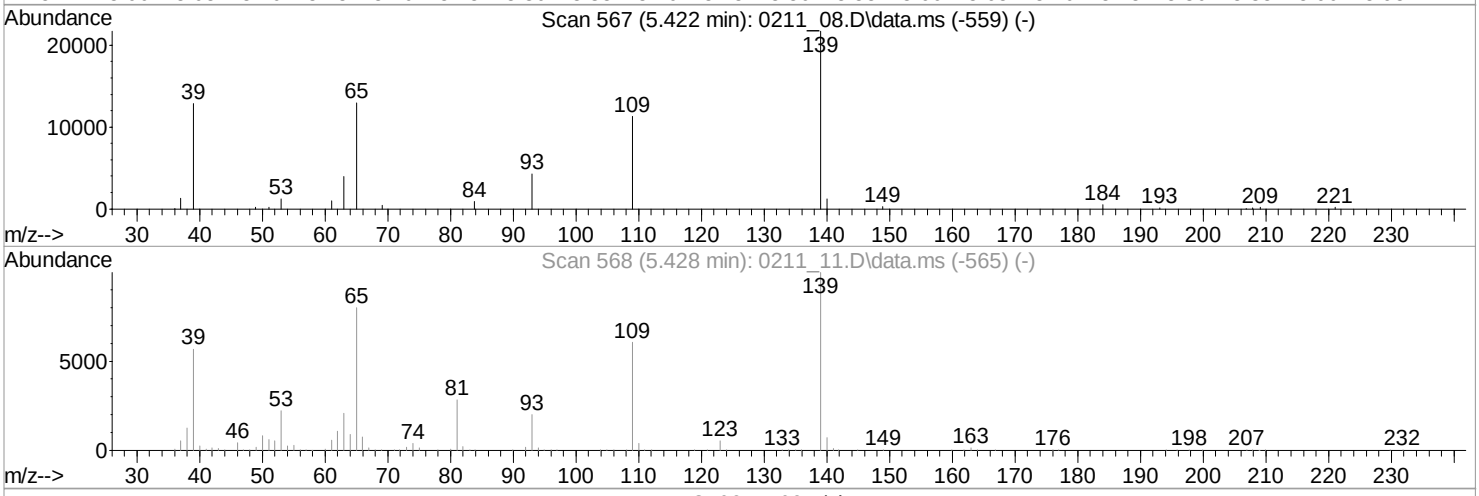
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.32
127.10	13.40	13.31
102.00	8.60	9.04

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
Operator : 917
Sample : STD SVMS 1K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 5 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:15:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_08.D\data.ms

(63) 4-Nitrophenol (MPT)

5.422min (-0.006) 914.1896289 ppb

Qvalue = 97

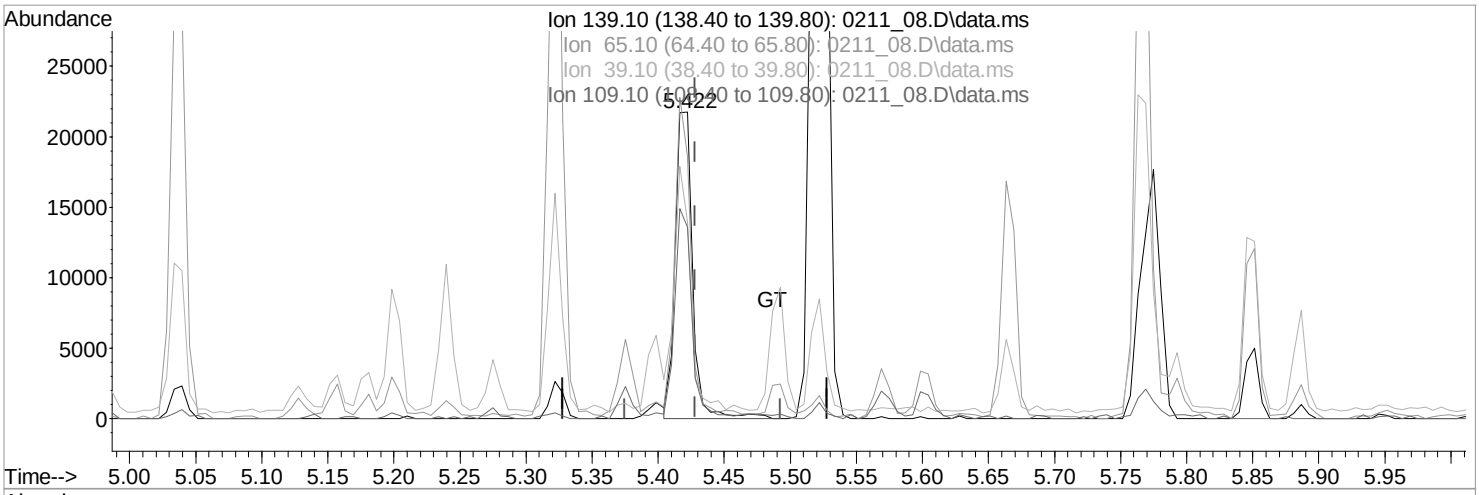
response 20908

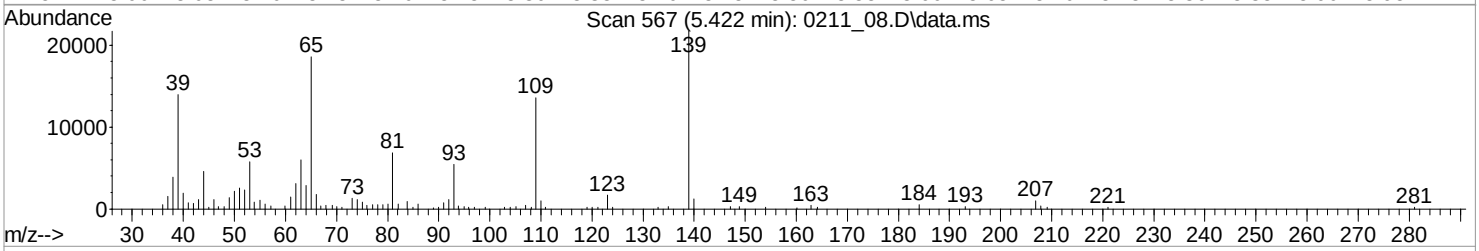
Ion	Exp%	Act%
139.10	100	100
65.10	81.20	74.13
39.10	58.80	59.09
109.10	61.10	60.85

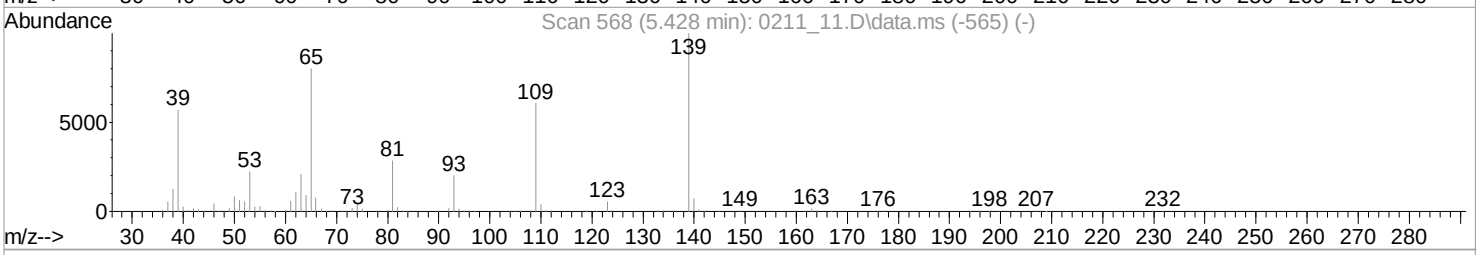
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
Operator : 917
Sample : STD SVMS 1K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 5 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:15:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_08.D\data.ms

(63) 4-Nitrophenol (MPT)

5.422min (-0.006) 871.6457935 ppb m

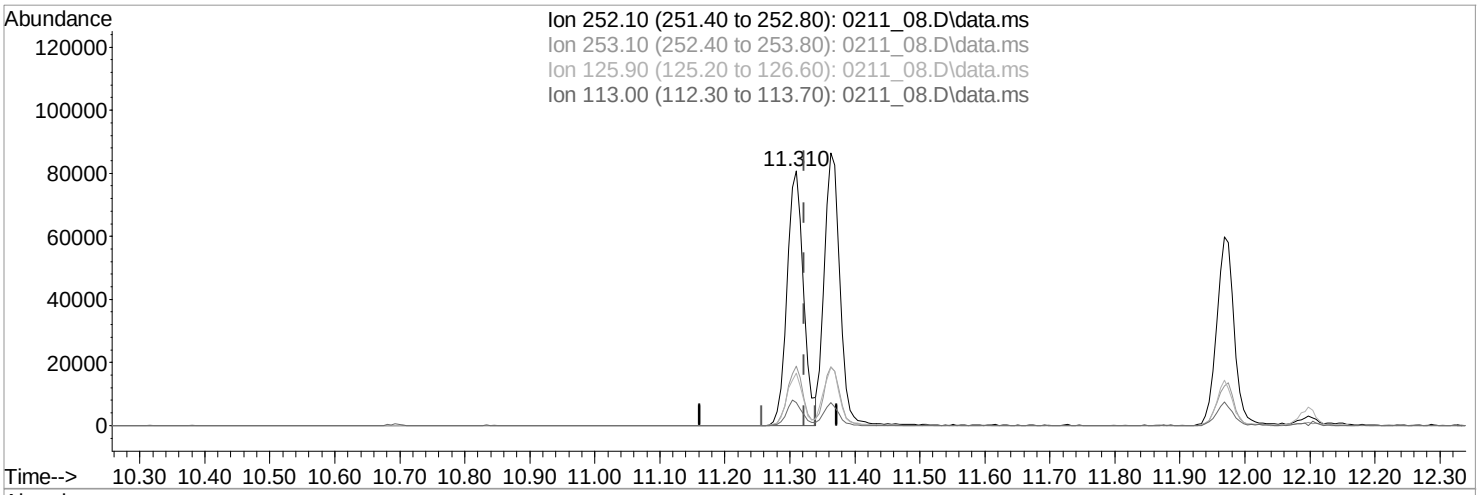
response 19935

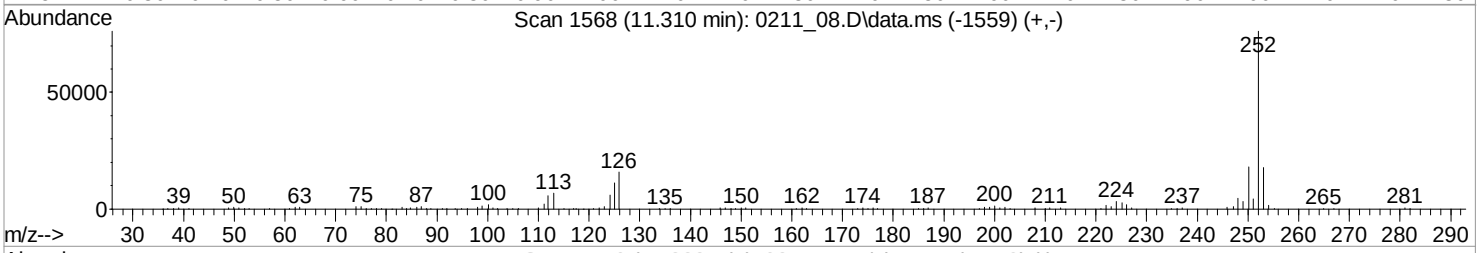
Ion	Exp%	Act%
139.10	100	100
65.10	81.20	85.47
39.10	58.80	64.13
109.10	61.10	62.46

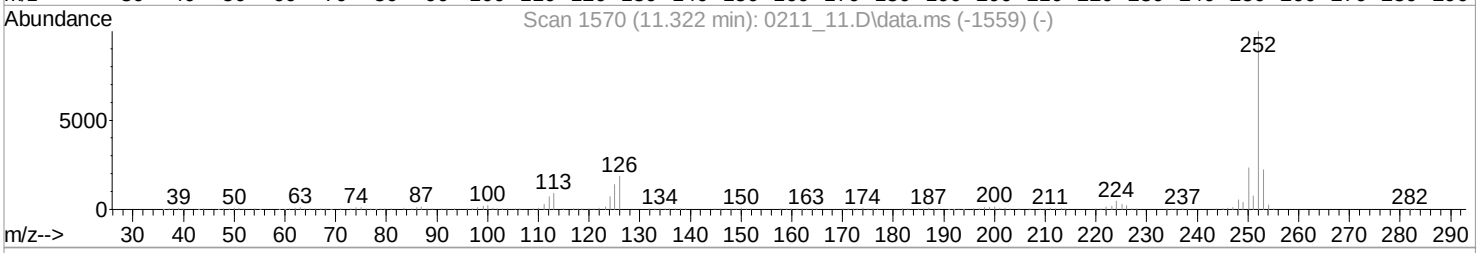
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
Operator : 917
Sample : STD SVMS 1K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 5 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:15:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_08.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.310min (-0.012) 812.1737266 ppb

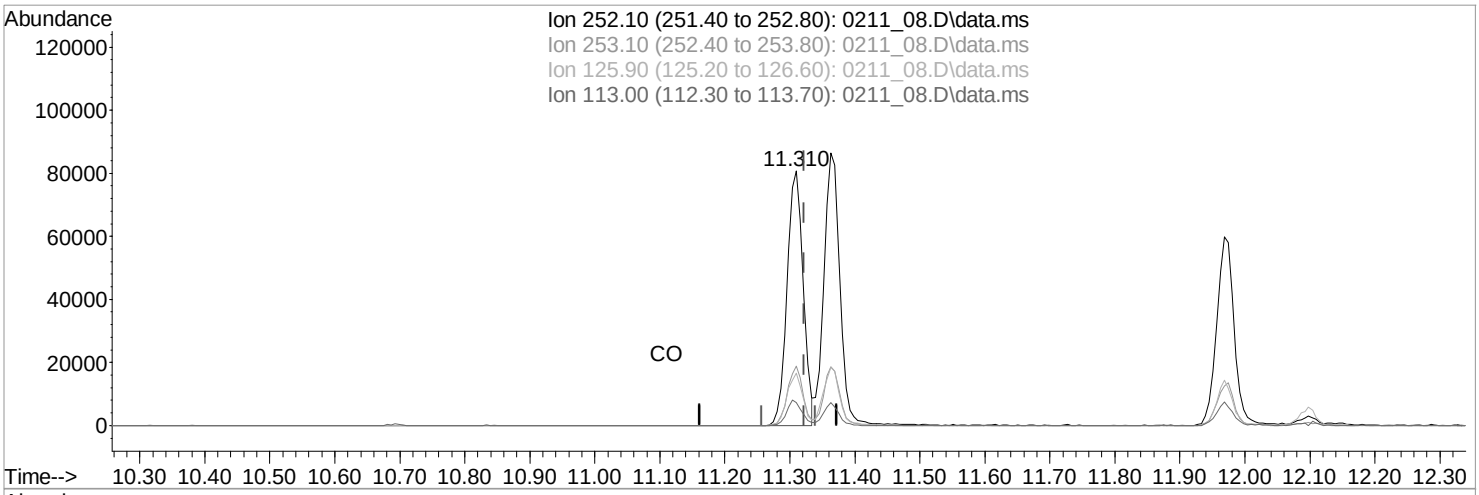
Qvalue = 97

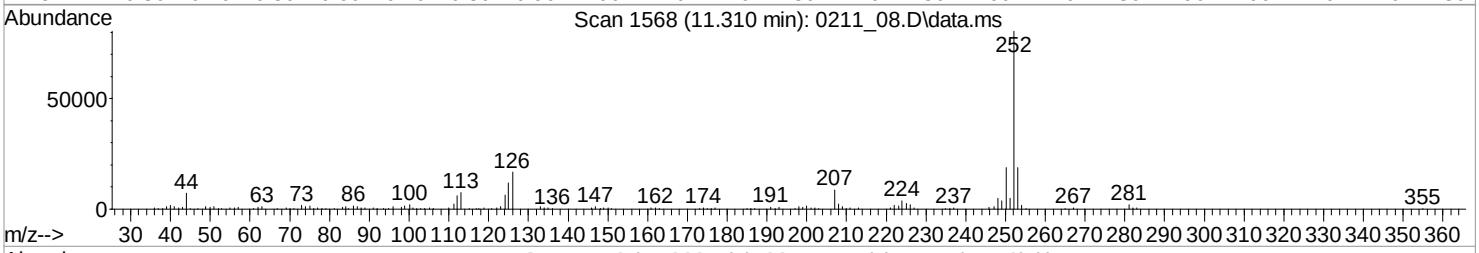
response 141385

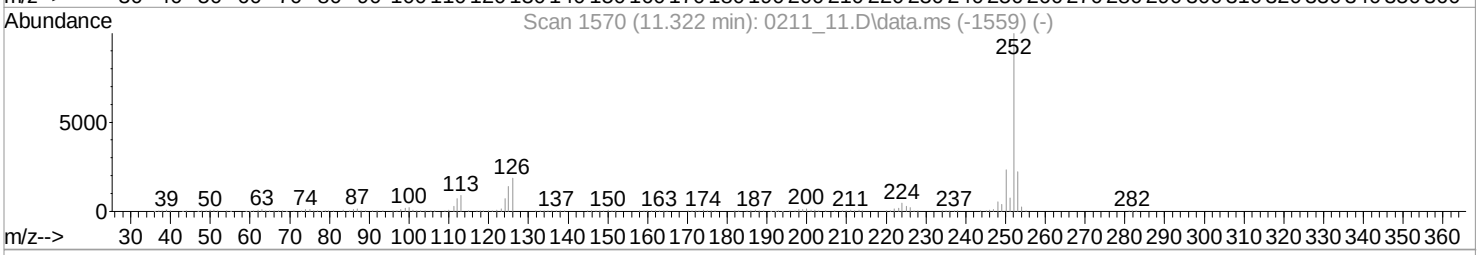
Ion	Exp%	Act%
252.10	100	100
253.10	22.10	23.33
125.90	18.50	20.64
113.00	8.80	8.86

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
Operator : 917
Sample : STD SVMS 1K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 5 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:15:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_08.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.310min (-0.012) 794.3315821 ppb m

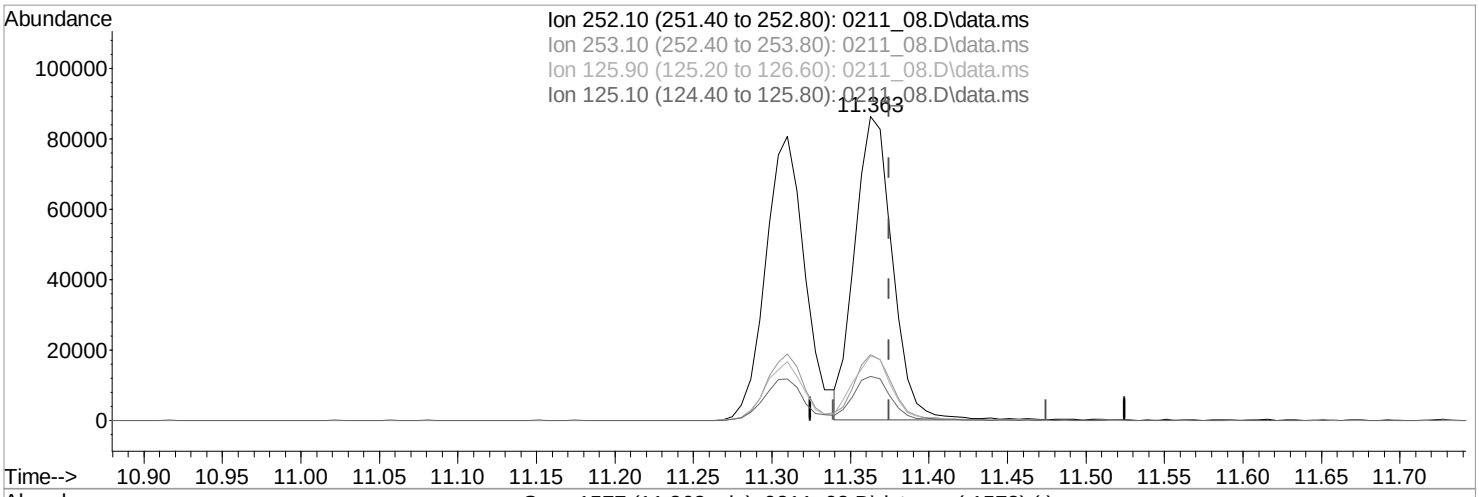
response 138279

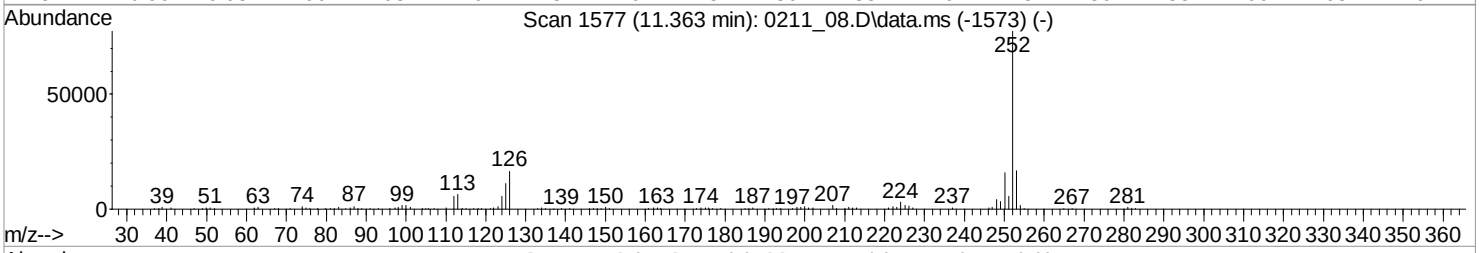
Ion	Exp%	Act%
252.10	100	100
253.10	22.10	23.38
125.90	18.50	20.70
113.00	8.80	9.07

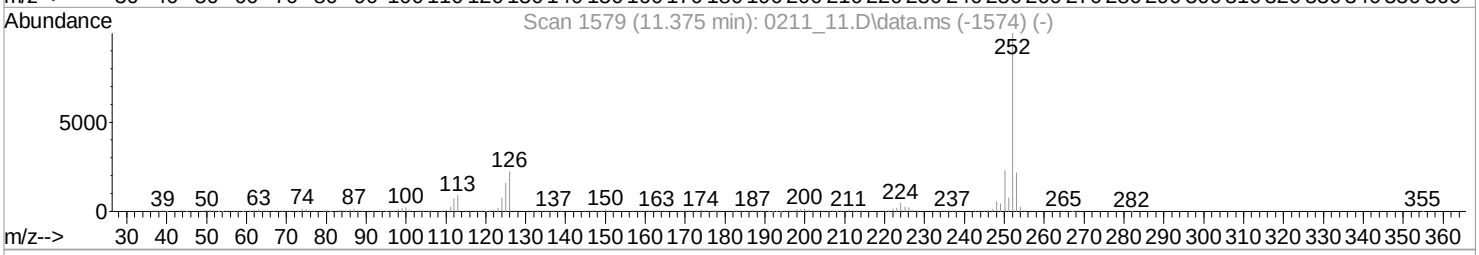
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
Operator : 917
Sample : STD SVMS 1K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 5 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:15:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_08.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.363min (-0.012) 824.4564920 ppb

Qvalue = 99

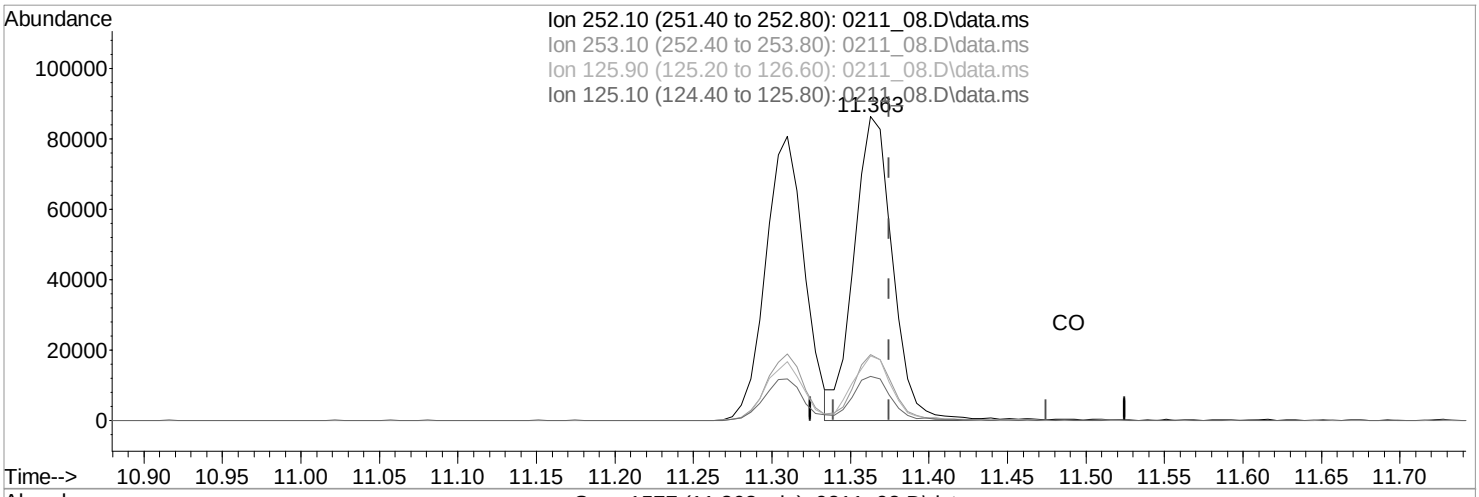
response 142895

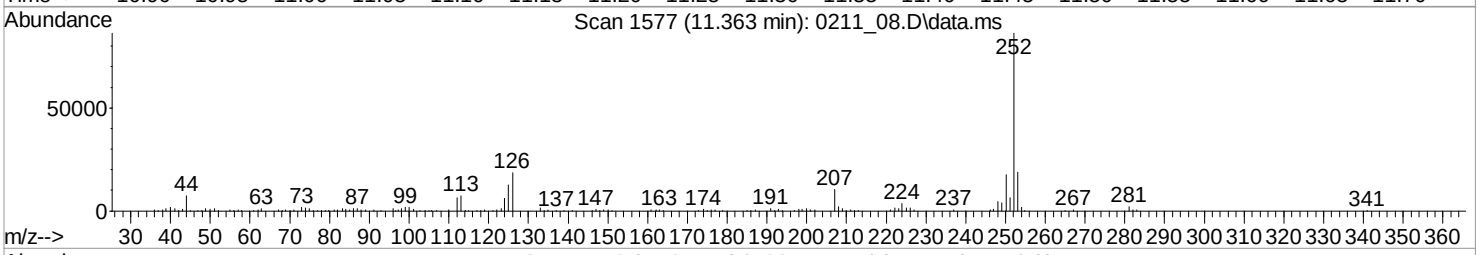
Ion	Exp%	Act%
252.10	100	100
253.10	21.70	21.75
125.90	22.10	21.34
125.10	15.60	14.35

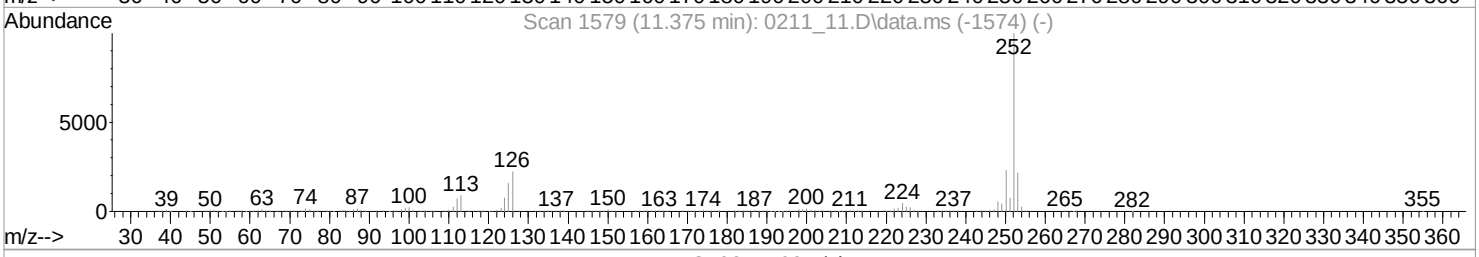
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
Operator : 917
Sample : STD SVMS 1K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 5 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:15:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_08.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.363min (-0.012) 855.0645727 ppb m

response 148200

Ion	Exp%	Act%
252.10	100	100
253.10	21.70	21.68
125.90	22.10	21.27
125.10	15.60	14.56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 09.D
Acq On : 11 Feb 2022 12:23 pm
Operator : 917
Sample : STD SVMS 2K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 6 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:18:34 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:17:04 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.451	152	340942	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.198	136	1365068	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	742432	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1311759	8000.0000000	ppb		0.00
84) Chrysene-d12	9.357	240	1102666	8000.0000000	ppb		0.00
94) Perylene-d12	12.098	264	1055322	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.757	112	97103	1967.7136744	ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 49.19%				
7) Phenol-d5	3.210	99	122304	1968.0499425	ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 49.20%				
24) Nitrobenzene-d5	3.757	82	117809	1938.4474183	ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 96.92%				
50) 2-Fluorobiphenyl	4.887	172	221370	1939.7500294	ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 96.99%				
73) 2,4,6-Tribromophenol	5.957	330	22445	1987.0279606	ppb		0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 49.68%				
87) p-Terphenyl-d14	7.933	244	258803	1925.7875401	ppb		0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 96.29%				
Target Compounds							Qvalue
2) Pyridine	2.199	79	108977	1945.1110020	ppb		95
3) N-Nitrosodimethylamine	2.163	42	61692	2001.0133786	ppb		96
5) Aniline	3.263	66	58410	1920.7032684	ppb		97
6) bis(2-Chloroethyl)ether	3.281	93	96065	1877.2664188	ppb		94
8) Phenol	3.216	94	129012	1971.6163876	ppb		94
10) 2-Chlorophenol	3.334	128	109425	2023.3100265	ppb		98
11) n-Decane	3.340	41	70327	1900.4878719	ppb	#	100
12) 1,3-Dichlorobenzene	3.422	146	119272	1964.1178179	ppb		98
13) 1,4-Dichlorobenzene	3.457	146	123311	1959.5907322	ppb		91
14) Benzyl Alcohol	3.510	79	81730	1894.6947886	ppb		96
15) 1,2-Dichlorobenzene	3.546	146	113916	1941.5560027	ppb		98
16) bis(2-Chloroisopropyl)...	3.581	121	38875	1973.0095901	ppb	#	77
17) 2,2-oxybis(1-chloropro...	3.581	121	38875	1973.0095901	ppb	#	77
18) 2-Methylphenol	3.557	108	94933	1955.5048851	ppb		99
19) Hexachloroethane	3.745	117	47288	1960.1480995	ppb		98
20) N-Nitrosodi-n-propylamine	3.657	70	73236	1945.2296093	ppb		93
21) 3&4-Methyl phenol	3.640	107	108437	1944.7049149	ppb		98
25) Nitrobenzene	3.769	77	108582	1997.3112516	ppb		99
26) Isophorone	3.904	82	196739	1999.7084198	ppb		91
27) 2-Nitrophenol	3.957	139	48119	2009.2847172	ppb		92
28) 2,4-Dimethylphenol	3.963	107	105644	2012.4824235	ppb		99
29) bis(2-Chlorethoxy)methane	4.022	93	125507	1990.8018291	ppb		97
30) 2,4-Dichlorophenol	4.098	162	81707	1974.8719147	ppb		95
32) 1,2,4-Trichlorobenzene	4.157	180	90915	1959.5423374	ppb		99
34) Naphthalene	4.210	128	328109m	1809.3452737	ppb		
35) 4-Chloroaniline	4.228	65	39013	1893.8066718	ppb		97
36) Hexachloro-1,3-butadiene	4.281	225	48303	2025.9323677	ppb		96
40) 4-Chloro-3-methylphenol	4.522	107	86918	1955.2896931	ppb		99
41) 2-Methylnaphthalene	4.651	142	212130	1903.1494243	ppb		99
42) 1-Methylnaphthalene	4.722	142	203440	1885.7796900	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 09.D
Acq On : 11 Feb 2022 12:23 pm
Operator : 917
Sample : STD SVMS 2K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 6 Sample Multiplier: 1
InstName : BNAMS20

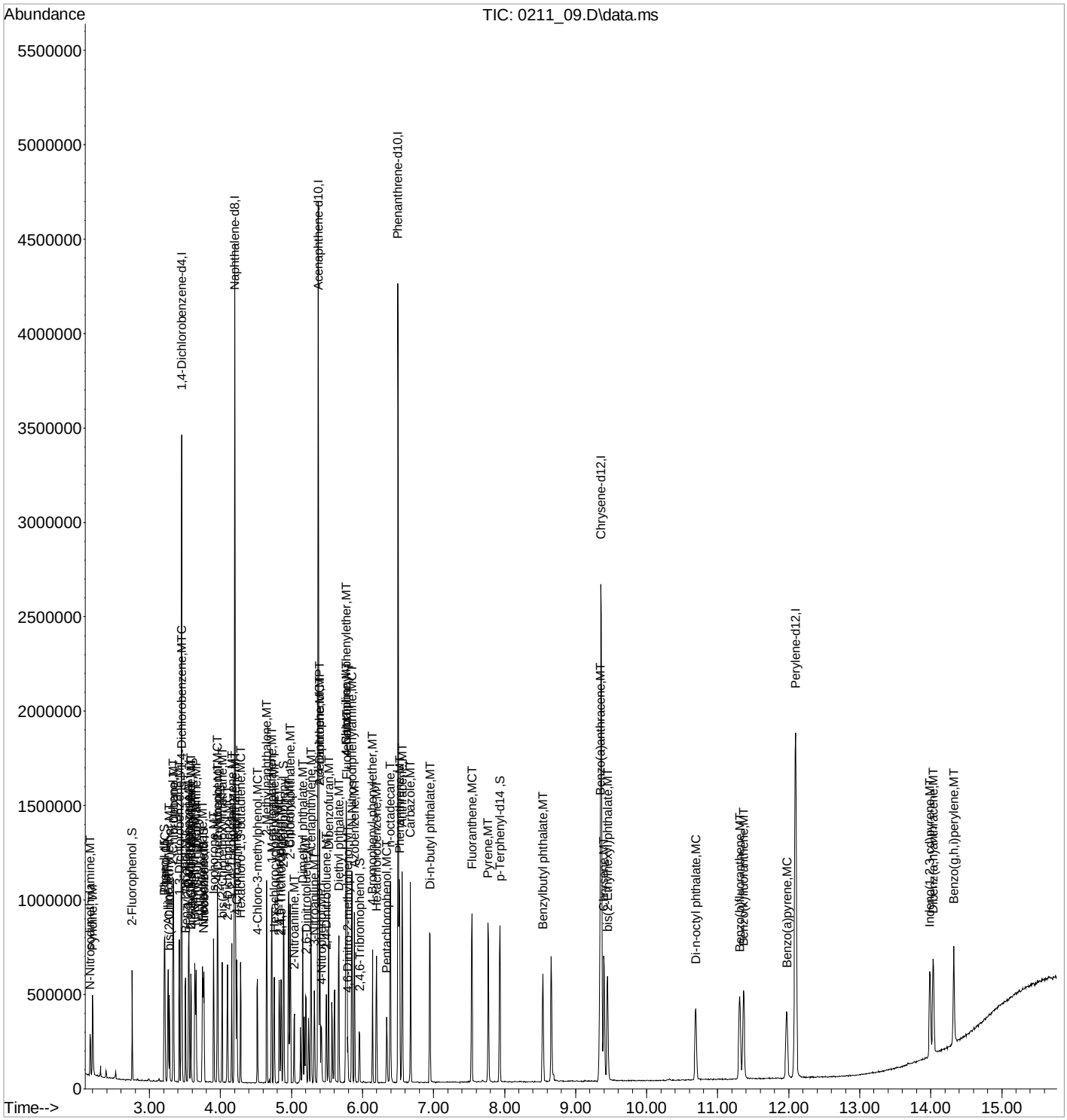
Quant Time: Feb 11 15:18:34 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:17:04 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.757	237	56787	1993.7684648 ppb		99
48)	2,4,6-Trichlorophenol	4.828	196	54560	2074.2959358 ppb		95
49)	2,4,5-Trichlorophenol	4.851	196	60597	2036.4427167 ppb		98
51)	Biphenyl	4.963	154	263080	1972.7145940 ppb		99
52)	2-Chloronaphthalene	4.981	162	198450	1830.5358839 ppb		97
53)	2-Nitroaniline	5.040	138	55990	1970.0278151 ppb		95
54)	Acenaphthylene	5.275	152	310430	1930.8603074 ppb		99
55)	Dimethyl phthalate	5.157	163	228225	2008.8790516 ppb		97
56)	2,6-Dinitrotoluene	5.204	165	48156	2105.4618985 ppb		96
57)	3-Nitroaniline	5.322	138	55074	2116.0124484 ppb		90
58)	Acenaphthene	5.398	153	207922	1776.2236520 ppb		97
59)	2,4-Dinitrophenol	5.398	184	15709	1645.0774977 ppb	#	23
60)	Dibenzofuran	5.522	168	283935	1956.7909920 ppb		100
61)	2,4-Dinitrotoluene	5.492	165	58120	2049.7813837 ppb		92
63)	4-Nitrophenol	5.422	139	41589m	1984.1225652 ppb		
64)	Fluorene	5.775	166	237219	1845.7370151 ppb		100
65)	4-Chlorophenyl-phenyle...	5.769	204	104247	1985.4208386 ppb		97
66)	Diethyl phthalate	5.669	149	233701	2000.2314466 ppb		99
67)	4-Nitroaniline	5.769	138	56305	2056.4641490 ppb		95
68)	Azobenzene	5.887	77	244431	2033.9407584 ppb		98
71)	4,6-Dinitro-2-methylph...	5.792	198	22018	1939.2723211 ppb		96
72)	N-Nitrosodiphenylamine	5.851	169	199547	2004.1125810 ppb		99
74)	4-Bromophenyl-phenylether	6.139	248	54520	1981.9289386 ppb	#	76
75)	Hexachlorobenzene	6.198	284	62138	1939.8441980 ppb		97
76)	n-octadecane	6.386	55	43051	2067.9878648 ppb		97
77)	Pentachlorophenol	6.339	266	28786	2065.6220752 ppb		92
78)	Phenanthrene	6.522	178	345572	1723.8863182 ppb		98
79)	Anthracene	6.557	178	342355	1832.2562772 ppb		99
80)	Carbazole	6.675	167	322324	1975.9865205 ppb		99
81)	Di-n-butyl phthalate	6.951	149	374743	2031.8480597 ppb		99
83)	Fluoranthene	7.539	202	334032	1773.9955102 ppb		98
86)	Pyrene	7.769	202	343633	1747.5247232 ppb		99
88)	Benzylbutyl phthalate	8.539	149	142189	2040.6488272 ppb		99
90)	Benzo(a)anthracene	9.345	228	308969	1618.2105159 ppb		99
91)	Chrysene	9.398	228	312680	1486.6908598 ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.451	149	193243	1980.6671117 ppb		99
93)	Di-n-octyl phthalate	10.692	149	279495	1892.1188196 ppb		99
95)	Benzo(b)fluoranthene	11.310	252	275889	1733.0379681 ppb		97
96)	Benzo(k)fluoranthene	11.363	252	276002	1713.9362123 ppb		99
97)	Benzo(a)pyrene	11.974	252	227302	1838.0280698 ppb		99
98)	Indeno(1,2,3-cd)pyrene	13.986	276	223330	1770.8429749 ppb		99
99)	Dibenz(a,h)anthracene	14.033	278	249331	1765.3834096 ppb		98
100)	Benzo(g,h,i)perylene	14.327	276	254960	1712.6778369 ppb		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

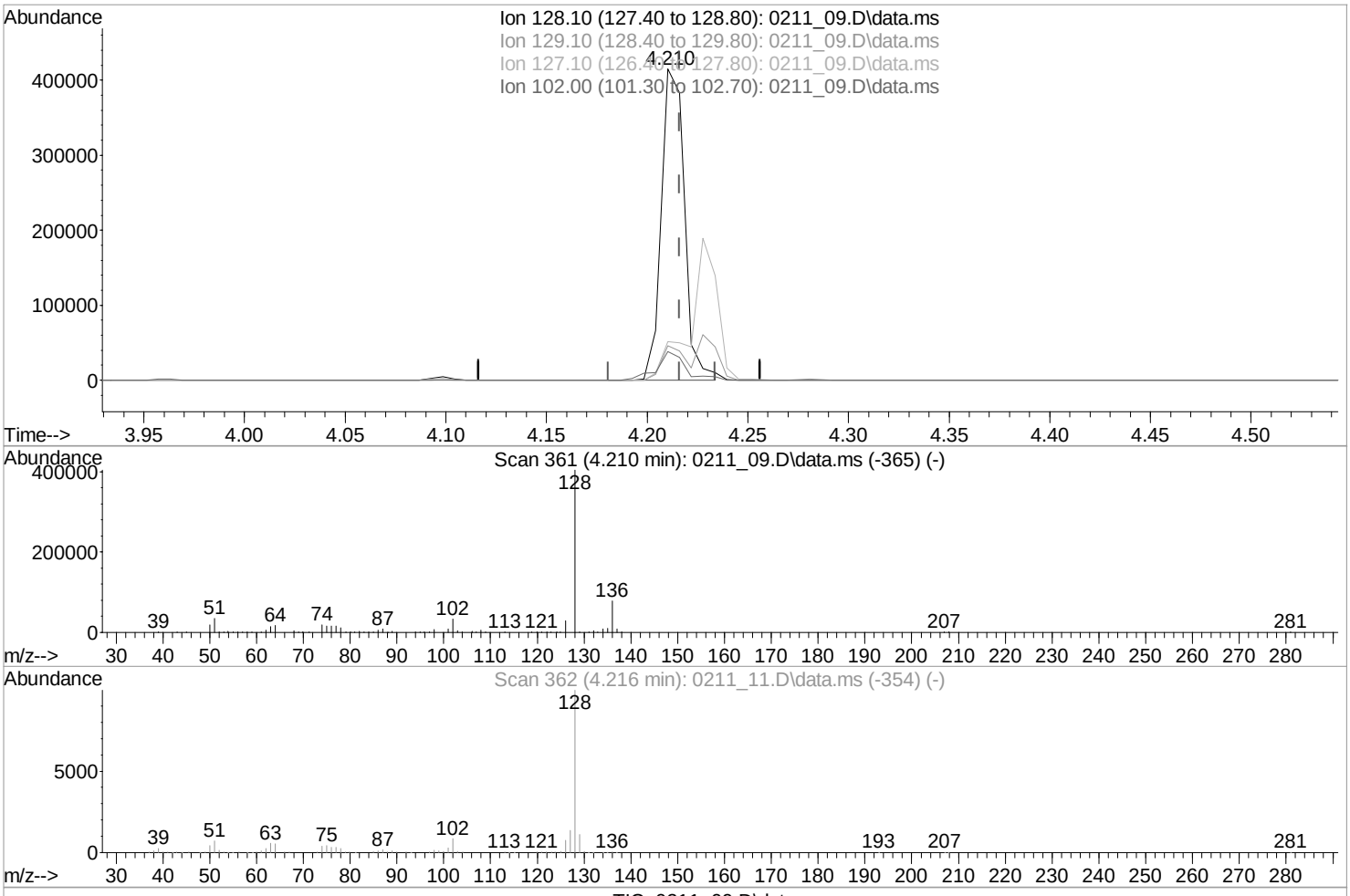
Data Path : C:\msdchem\1\data\021122\
Data File : 0211 09.D
Acq On : 11 Feb 2022 12:23 pm
Operator : 917
Sample : STD SVMS 2K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 6 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:18:34 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:17:04 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Data Path : C:\msdchem\1\data\021122\
Data File : 0211 09.D
Acq On : 11 Feb 2022 12:23 pm
Operator : 917
Sample : STD SVMS 2K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 6 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:17:07 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:17:04 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0211_09.D\data.ms

(34) Naphthalene (MT)

4.210min (-0.006) 1829.5171830 ppb

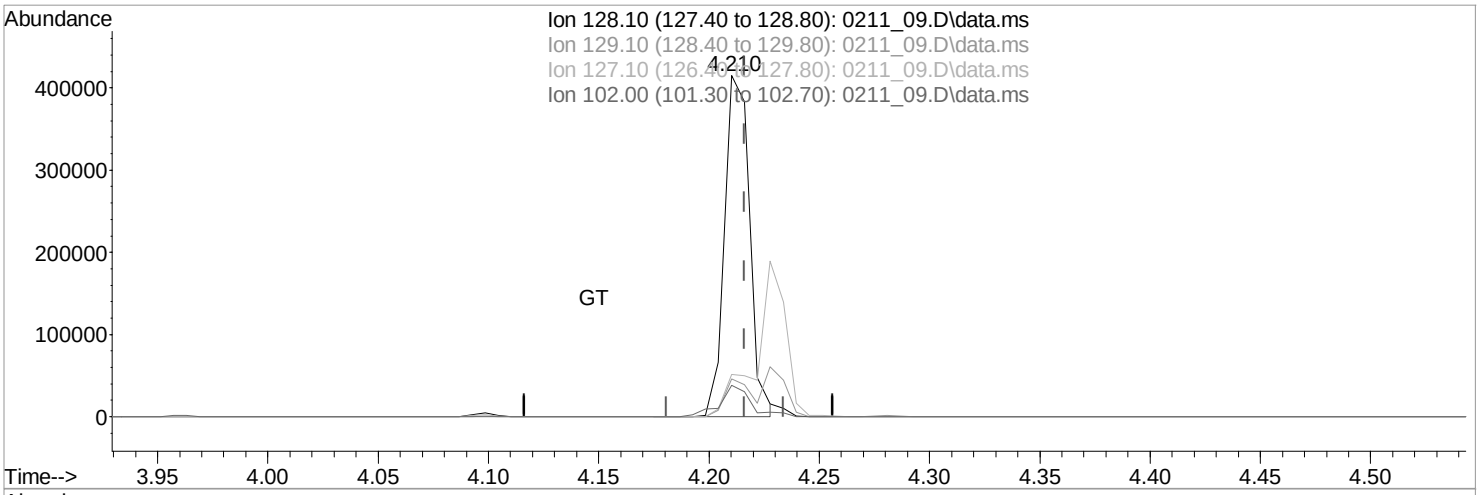
Qvalue = 99

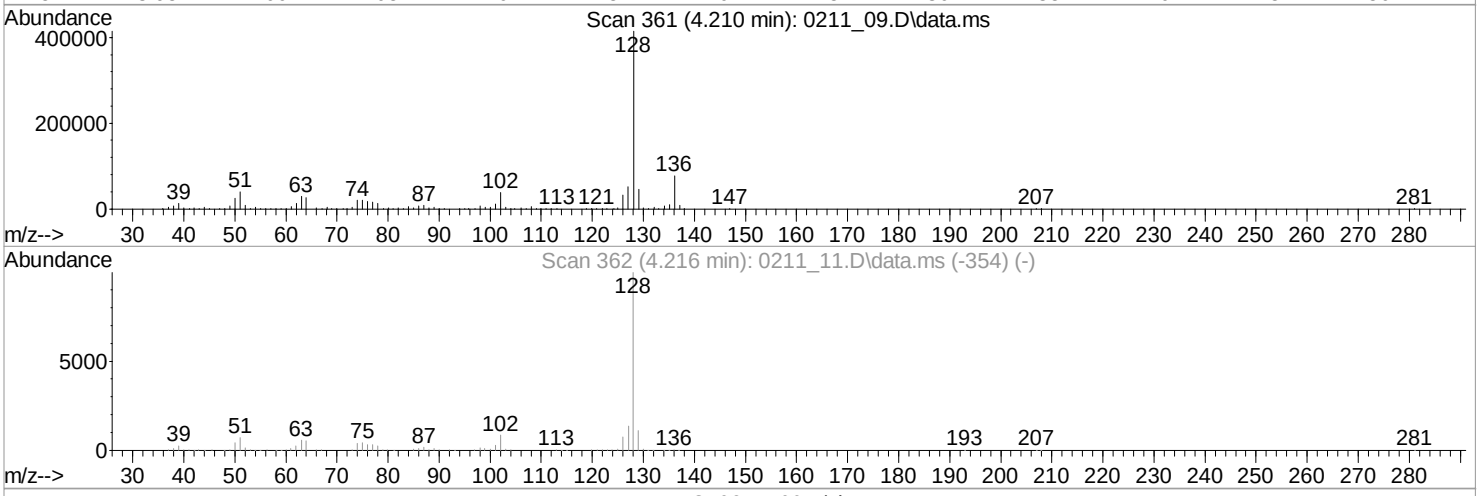
response 331767

Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.12
127.10	13.40	12.47
102.00	8.60	9.20

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 09.D
Acq On : 11 Feb 2022 12:23 pm
Operator : 917
Sample : STD SVMS 2K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 6 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:17:07 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:17:04 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_09.D\data.ms

(34) Naphthalene (MT)

4.210min (-0.006) 1809.3452737 ppb m

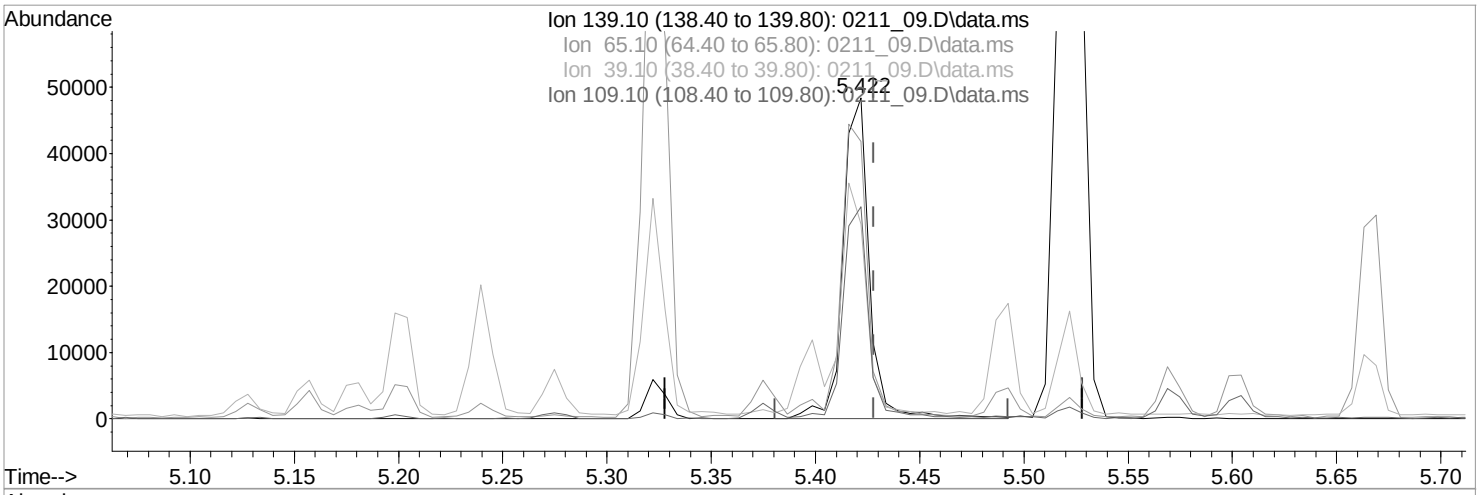
response 328109

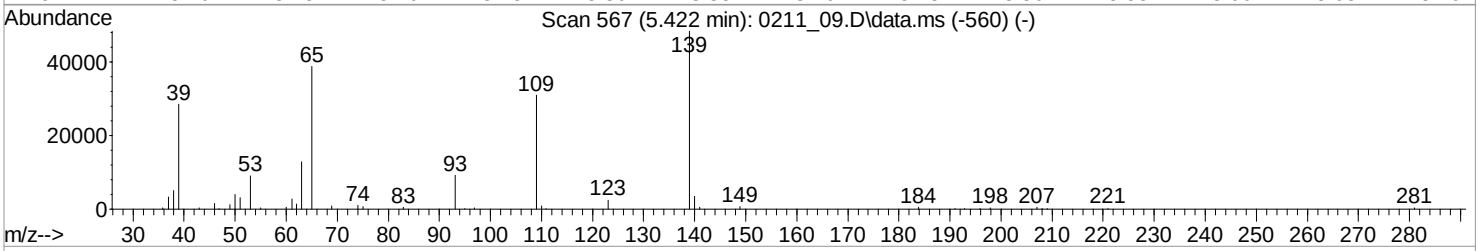
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.12
127.10	13.40	12.47
102.00	8.60	9.20

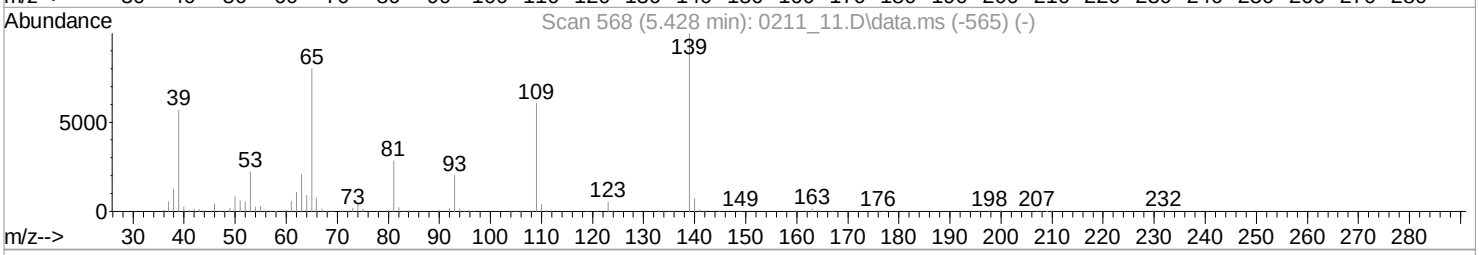
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 09.D
Acq On : 11 Feb 2022 12:23 pm
Operator : 917
Sample : STD SVMS 2K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 6 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:17:07 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:17:04 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_09.D\data.ms

(63) 4-Nitrophenol (MPT)

5.422min (-0.006) 2062.5065940 ppb

Qvalue = 98

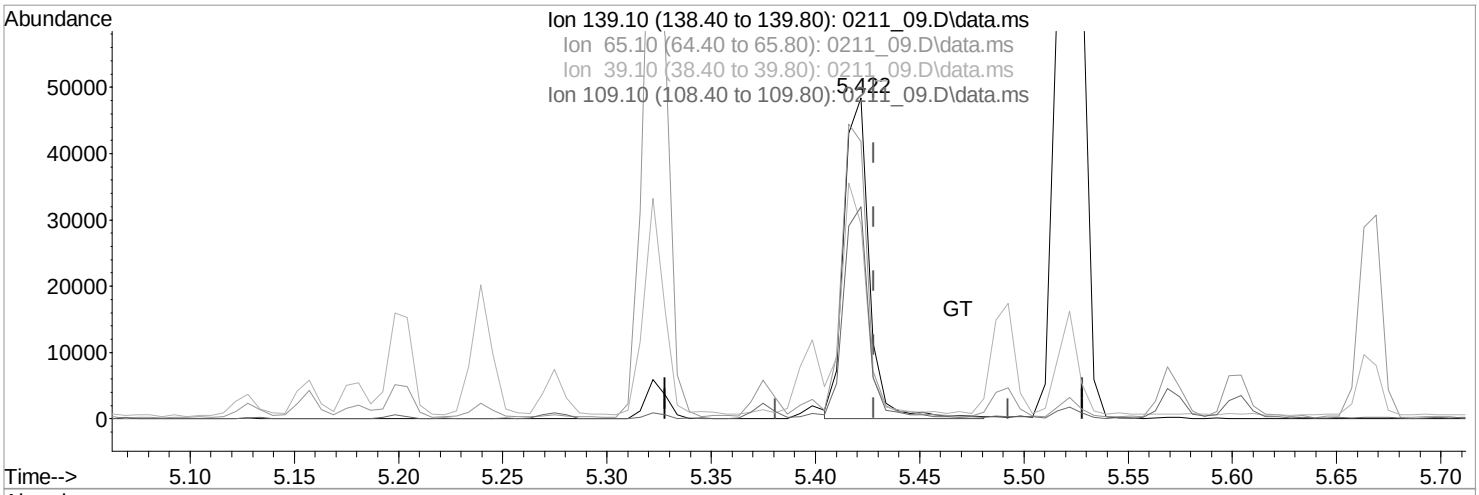
response 43232

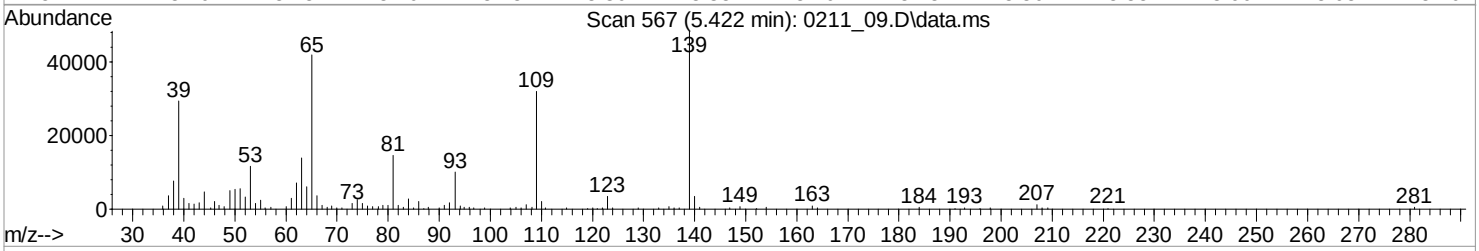
Ion	Exp%	Act%
139.10	100	100
65.10	81.20	79.94
39.10	58.80	58.78
109.10	61.10	65.42

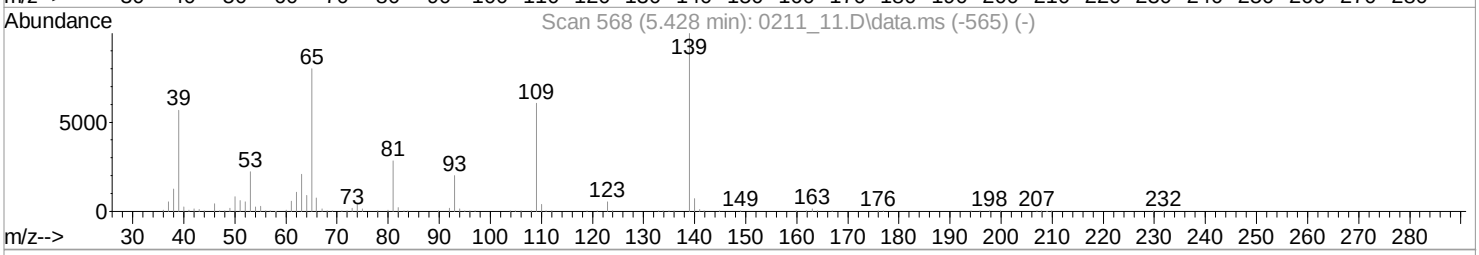
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 09.D
Acq On : 11 Feb 2022 12:23 pm
Operator : 917
Sample : STD SVMS 2K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 6 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:17:07 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:17:04 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_09.D\data.ms

(63) 4-Nitrophenol (MPT)

5.422min (-0.006) 1984.1225652 ppb m

response 41589

Ion	Exp%	Act%
139.10	100	100
65.10	81.20	86.58
39.10	58.80	60.74
109.10	61.10	66.18

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 10.D
Acq On : 11 Feb 2022 12:45 pm
Operator : 917
Sample : STD SVMS 5K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 7 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:19:49 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:18:55 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.452	152	316621	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.199	136	1293535	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.375	164	722283	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.498	188	1274803	8000.0000000	ppb	0.00
84) Chrysene-d12	9.363	240	1073797	8000.0000000	ppb	0.00
94) Perylene-d12	12.098	264	1019342	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.757	112	226787	4968.7193652	ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 124.22%#			
7) Phenol-d5	3.210	99	283634	4934.3786342	ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 123.36%#			
24) Nitrobenzene-d5	3.757	82	283628	4963.1245531	ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 248.16%#			
50) 2-Fluorobiphenyl	4.887	172	515607	4679.2715967	ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 233.96%#			
73) 2,4,6-Tribromophenol	5.957	330	58195	5309.8933598	ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 132.75%			
87) p-Terphenyl-d14	7.934	244	613348	4730.5907425	ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 236.53%#			
Target Compounds						Qvalue
2) Pyridine	2.199	79	250907	4855.7143018	ppb	100
3) N-Nitrosodimethylamine	2.163	42	142158	4964.5309875	ppb	98
5) Aniline	3.263	66	138189	4942.1232821	ppb	98
6) bis(2-Chloroethyl)ether	3.281	93	230597	4927.9877364	ppb	94
8) Phenol	3.216	94	299972	4954.0161032	ppb	92
10) 2-Chlorophenol	3.334	128	253993	5042.4874657	ppb	99
11) n-Decane	3.340	41	157419	4638.4942701	ppb	98
12) 1,3-Dichlorobenzene	3.422	146	274193	4884.0319470	ppb	99
13) 1,4-Dichlorobenzene	3.457	146	280089	4817.2551273	ppb	92
14) Benzyl Alcohol	3.510	79	196086	4960.2067557	ppb	98
15) 1,2-Dichlorobenzene	3.546	146	263950	4879.9124873	ppb	99
16) bis(2-Chloroisopropyl)...	3.587	121	88213	4837.2649442	ppb	95
17) 2,2-oxybis(1-chloropro...	3.587	121	88213	4837.2649442	ppb	95
18) 2-Methylphenol	3.557	108	223470	4984.5270520	ppb	99
19) Hexachloroethane	3.746	117	110728	4967.1242345	ppb	99
20) N-Nitrosodi-n-propylamine	3.657	70	175906	5065.8372310	ppb	97
21) 3&4-Methyl phenol	3.646	107	254795	4954.7314827	ppb	99
25) Nitrobenzene	3.769	77	254375	4939.5163612	ppb	99
26) Isophorone	3.904	82	475592	5101.5563417	ppb	92
27) 2-Nitrophenol	3.957	139	122006	5370.0512804	ppb	93
28) 2,4-Dimethylphenol	3.963	107	249753	5012.9915447	ppb	100
29) bis(2-Chlorethoxy)methane	4.022	93	289023	4843.5993855	ppb	99
30) 2,4-Dichlorophenol	4.099	162	192113	4915.6255719	ppb	96
32) 1,2,4-Trichlorobenzene	4.157	180	212481	4857.5491256	ppb	98
34) Naphthalene	4.210	128	768629m	4559.9087695	ppb	
35) 4-Chloroaniline	4.228	65	92227	4788.1084596	ppb	99
36) Hexachloro-1,3-butadiene	4.281	225	110255	4864.2929810	ppb	94
40) 4-Chloro-3-methylphenol	4.516	107	208464	4976.7123868	ppb	91
41) 2-Methylnaphthalene	4.651	142	491005	4694.1772081	ppb	99
42) 1-Methylnaphthalene	4.722	142	470336	4654.0173964	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 10.D
Acq On : 11 Feb 2022 12:45 pm
Operator : 917
Sample : STD SVMS 5K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 7 Sample Multiplier: 1
InstName : BNAMS20

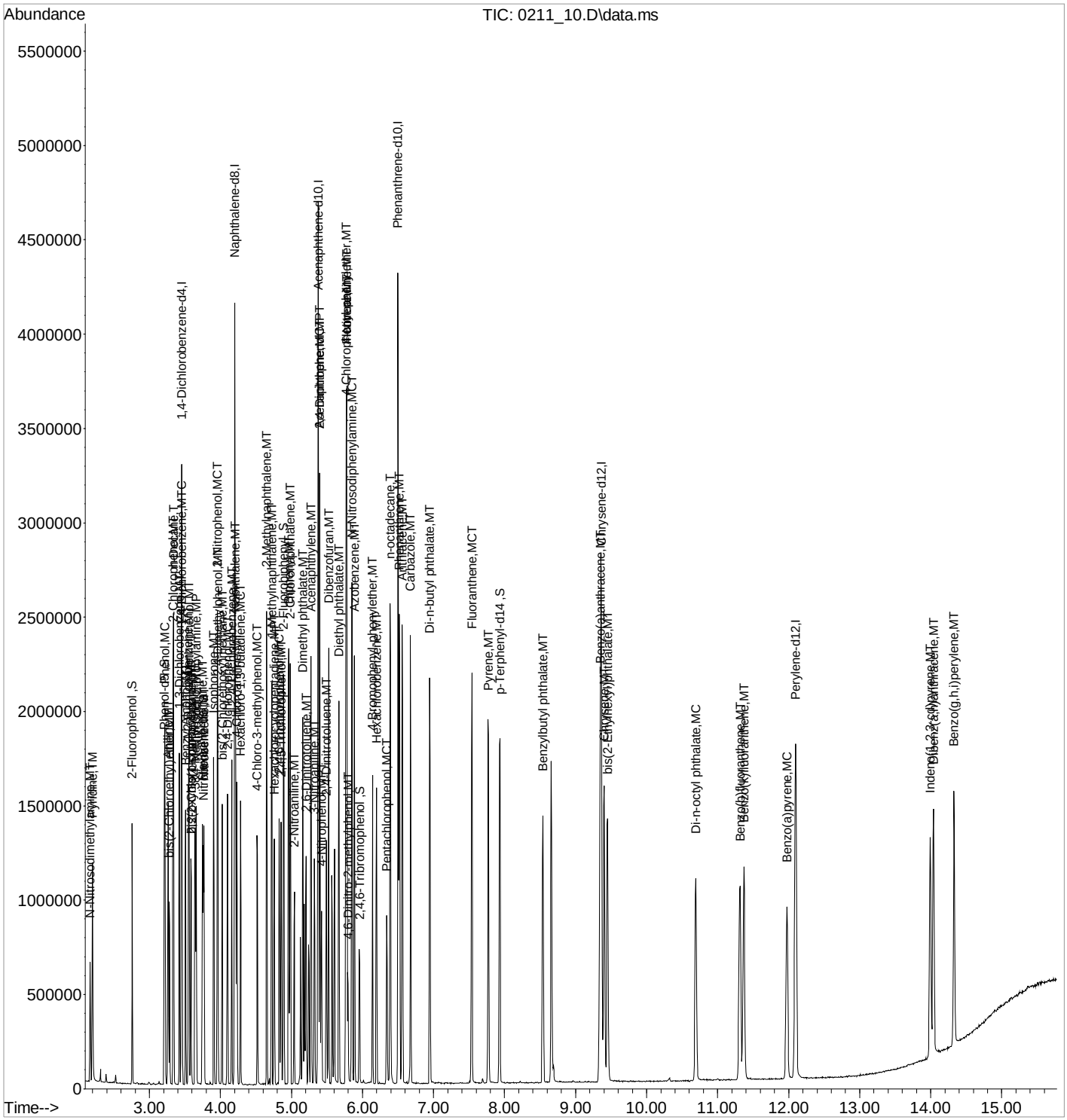
Quant Time: Feb 11 15:19:49 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:18:55 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.757	237	137664	4972.0317370 ppb		97
48)	2,4,6-Trichlorophenol	4.828	196	129932	5030.9162940 ppb		96
49)	2,4,5-Trichlorophenol	4.851	196	145386	4999.4138051 ppb		96
51)	Biphenyl	4.963	154	608052	4702.7317225 ppb		100
52)	2-Chloronaphthalene	4.981	162	471888	4551.3284032 ppb		97
53)	2-Nitroaniline	5.040	138	147911	5369.5983695 ppb		96
54)	Acenaphthylene	5.275	152	726145	4674.9065892 ppb		100
55)	Dimethyl phthalate	5.157	163	540805	4887.6355341 ppb		96
56)	2,6-Dinitrotoluene	5.204	165	123700	5486.9144390 ppb		89
57)	3-Nitroaniline	5.322	138	142105	5531.9408616 ppb		92
58)	Acenaphthene	5.398	153	490636	4406.9160410 ppb		99
59)	2,4-Dinitrophenol	5.398	184	48839	5587.7274718 ppb	#	96
60)	Dibenzofuran	5.522	168	657969	4686.3235391 ppb		100
61)	2,4-Dinitrotoluene	5.493	165	157898	5688.7095208 ppb		91
63)	4-Nitrophenol	5.422	139	112254m	5515.7417575 ppb		
64)	Fluorene	5.775	166	563435	4576.8347296 ppb		100
65)	4-Chlorophenyl-phenyle...	5.769	204	244336	4792.0124451 ppb		97
66)	Diethyl phthalate	5.669	149	554285	4876.2900558 ppb		100
67)	4-Nitroaniline	5.775	138	152263	5676.2741099 ppb		97
68)	Azobenzene	5.887	77	596630	5081.5681331 ppb		100
71)	4,6-Dinitro-2-methylph...	5.798	198	63778	5824.4120499 ppb	#	80
72)	N-Nitrosodiphenylamine	5.851	169	477499	4932.1599464 ppb		99
74)	4-Bromophenyl-phenylether	6.140	248	129208	4844.1183106 ppb	#	79
75)	Hexachlorobenzene	6.198	284	145995	4725.3778822 ppb		98
76)	n-octadecane	6.387	55	93352	4575.3476143 ppb		99
77)	Pentachlorophenol	6.340	266	74606	5463.9459563 ppb		90
78)	Phenanthrene	6.516	178	800843	4227.5481537 ppb		98
79)	Anthracene	6.557	178	813678	4557.4289098 ppb		100
80)	Carbazole	6.675	167	777542	4919.6220848 ppb		100
81)	Di-n-butyl phthalate	6.945	149	918606	5104.7262308 ppb		99
83)	Fluoranthene	7.540	202	790645	4420.6365676 ppb		100
86)	Pyrene	7.775	202	818236	4383.6361551 ppb		99
88)	Benzylbutyl phthalate	8.539	149	359286	5268.2121818 ppb		99
90)	Benzo(a)anthracene	9.345	228	736645	4119.1335823 ppb		99
91)	Chrysene	9.404	228	729699	3755.5311445 ppb		98
92)	bis(2-Ethylhexyl)phtha...	9.451	149	506746	5346.5131197 ppb		99
93)	Di-n-octyl phthalate	10.692	149	766592	5402.0277926 ppb		99
95)	Benzo(b)fluoranthene	11.316	252	669706	4474.8093600 ppb		99
96)	Benzo(k)fluoranthene	11.369	252	686709	4544.9068920 ppb		99
97)	Benzo(a)pyrene	11.975	252	569347	4844.8789960 ppb		99
98)	Indeno(1,2,3-cd)pyrene	13.992	276	553152	4647.4049165 ppb		99
99)	Dibenz(a,h)anthracene	14.039	278	613923	4608.4241080 ppb		99
100)	Benzo(g,h,i)perylene	14.327	276	620959	4446.2373497 ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 10.D
Acq On : 11 Feb 2022 12:45 pm
Operator : 917
Sample : STD SVMS 5K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 7 Sample Multiplier: 1
InstName : BNAMS20

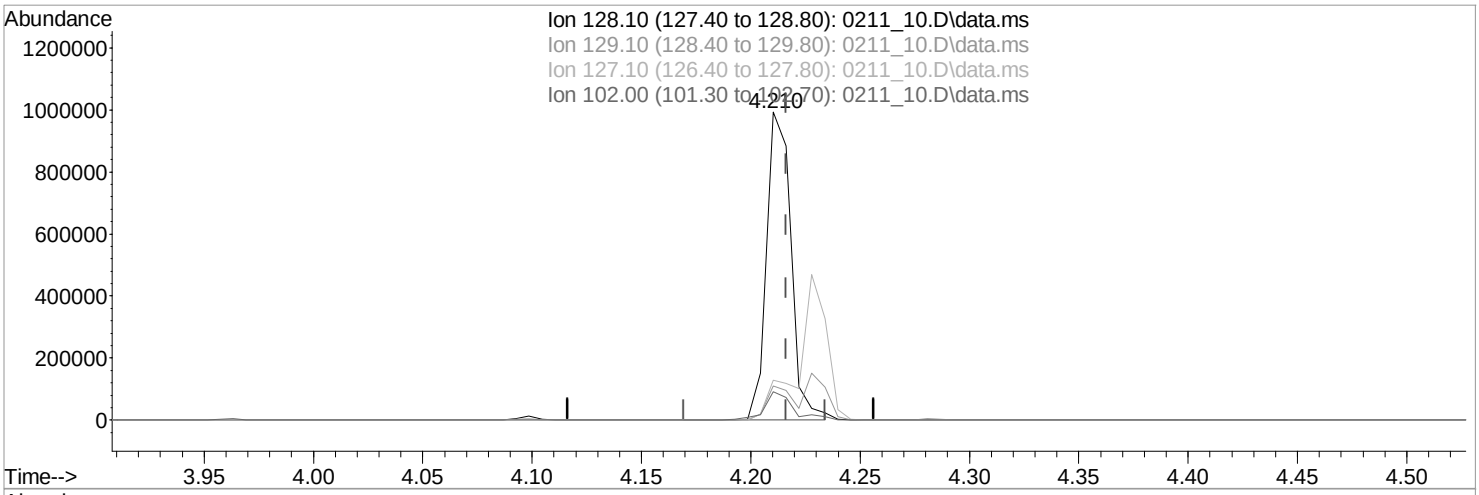
Quant Time: Feb 11 15:19:49 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:18:55 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

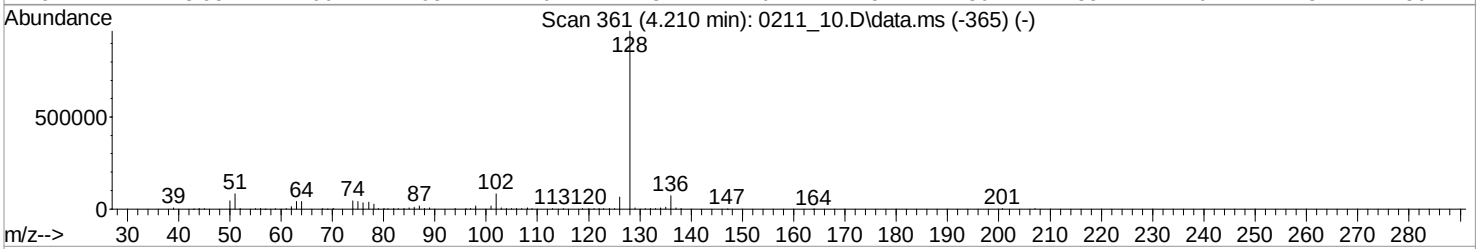


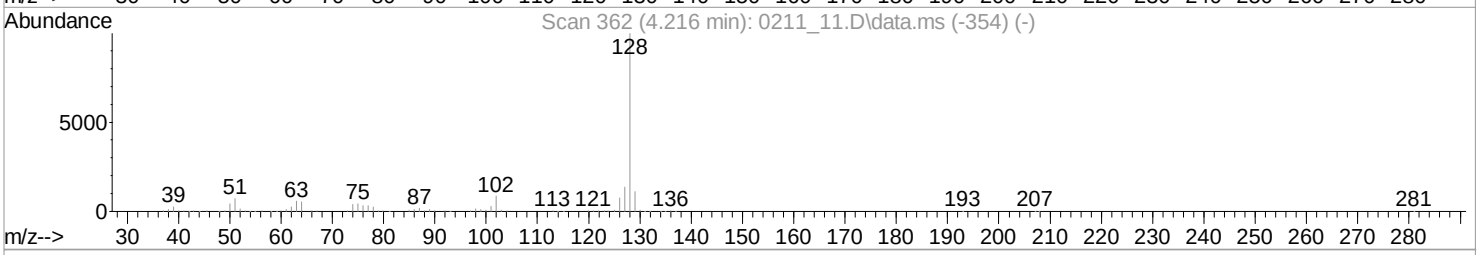
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 10.D
Acq On : 11 Feb 2022 12:45 pm
Operator : 917
Sample : STD SVMS 5K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 7 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:18:58 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:18:55 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_10.D\data.ms

(34) Naphthalene (MT)

4.210min (-0.006) 4611.1064379 ppb

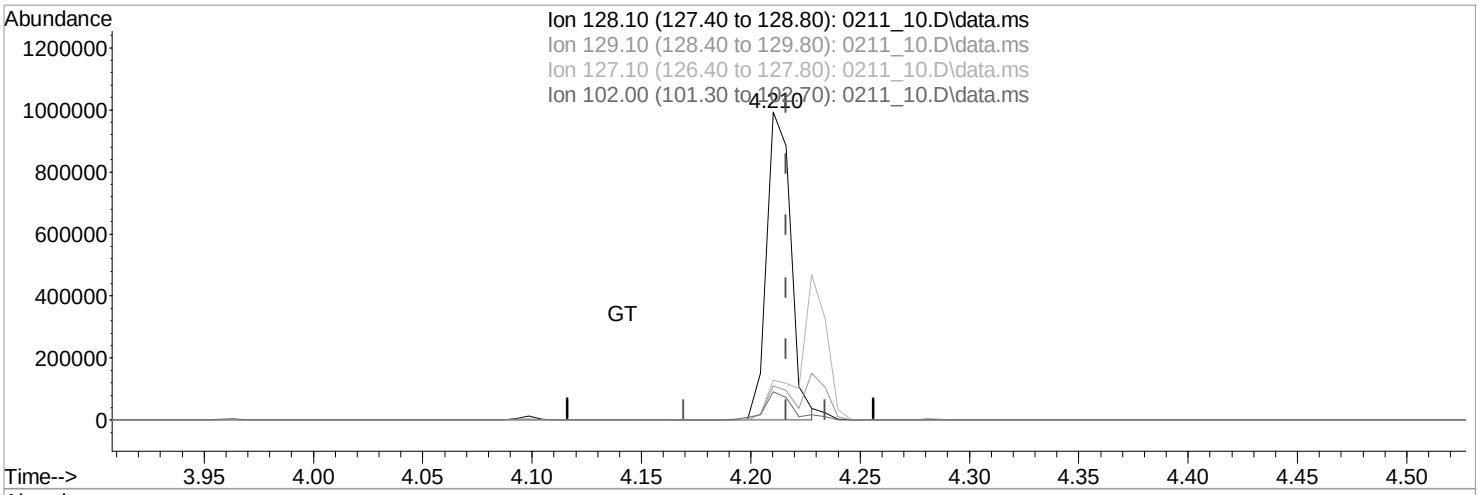
Qvalue = 99

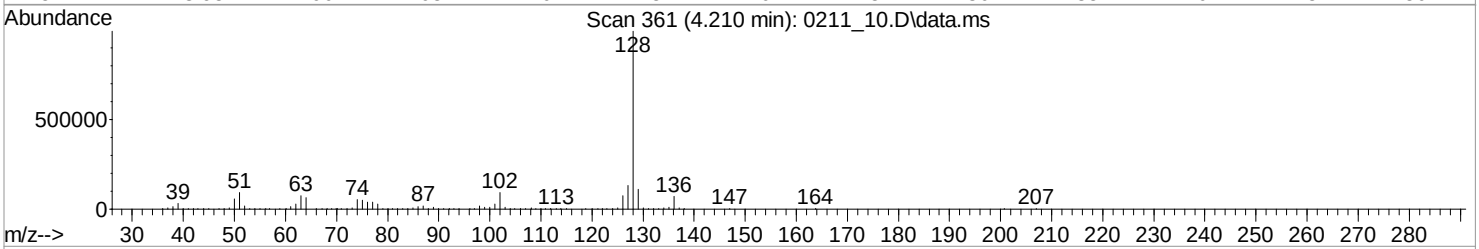
response 777259

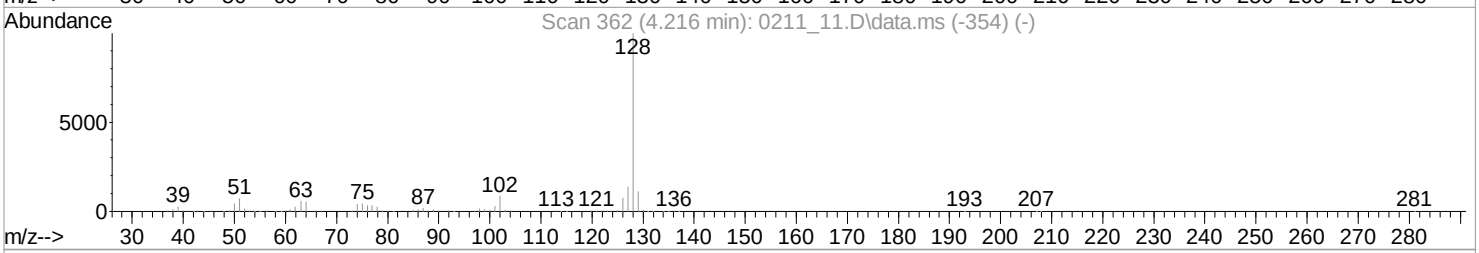
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.16
127.10	13.40	13.00
102.00	8.60	9.24

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 10.D
Acq On : 11 Feb 2022 12:45 pm
Operator : 917
Sample : STD SVMS 5K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 7 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:18:58 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:18:55 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_10.D\data.ms

(34) Naphthalene (MT)

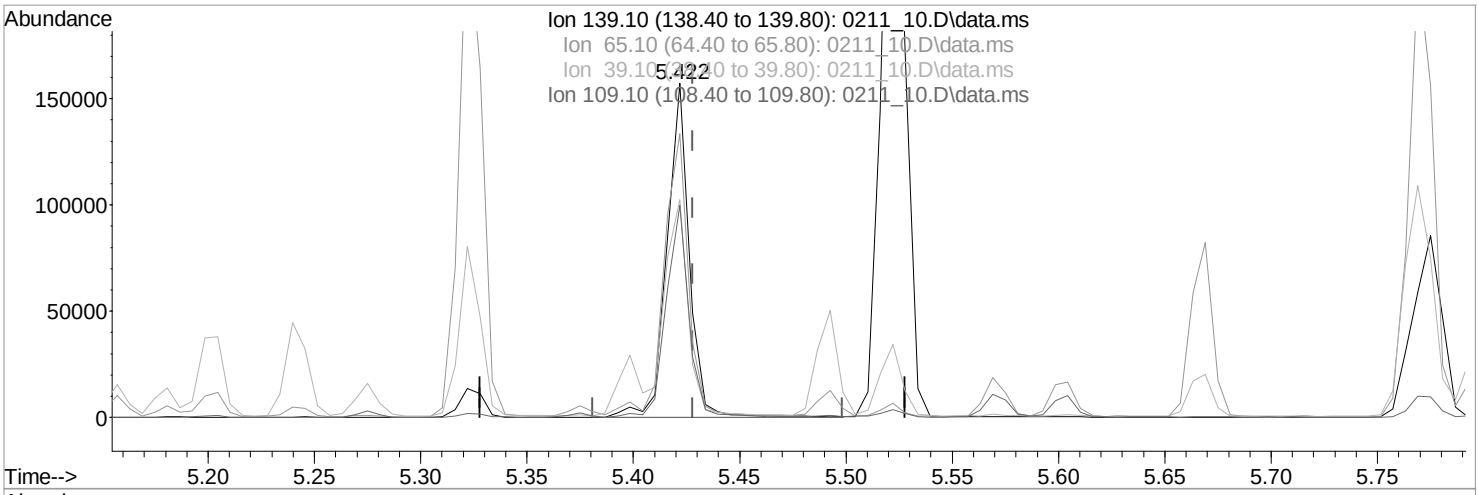
4.210min (-0.006) 4559.9087695 ppb m

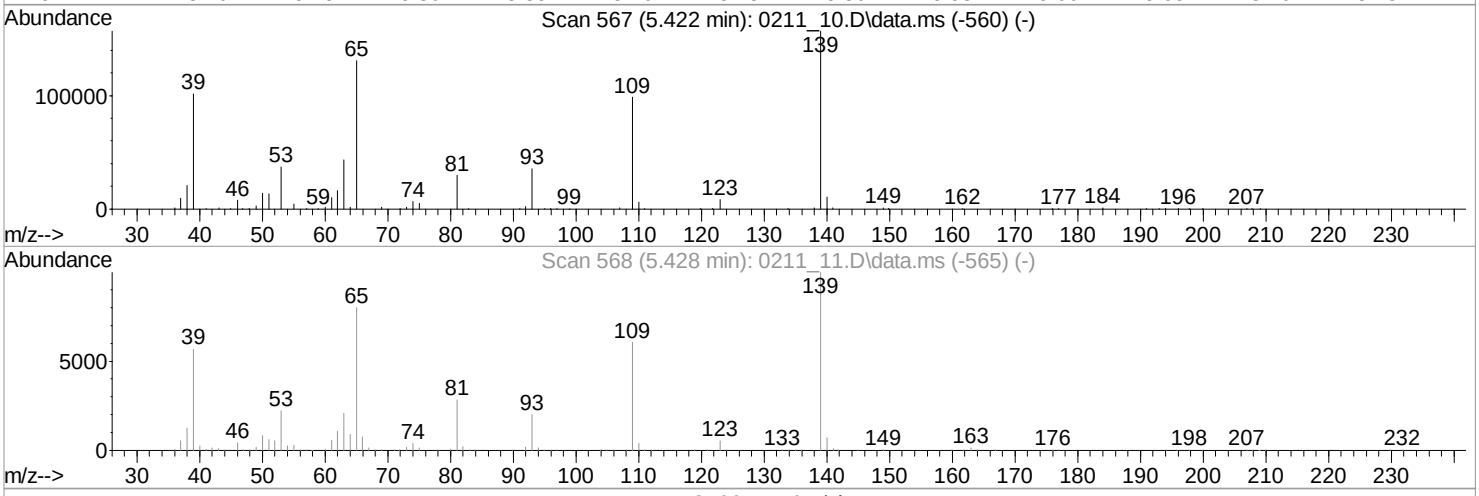
response 768629

Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.16
127.10	13.40	13.00
102.00	8.60	9.24

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 10.D
Acq On : 11 Feb 2022 12:45 pm
Operator : 917
Sample : STD SVMS 5K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 7 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:18:58 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:18:55 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_10.D\data.ms

(63) 4-Nitrophenol (MPT)

5.422min (-0.006) 5701.8699113 ppb

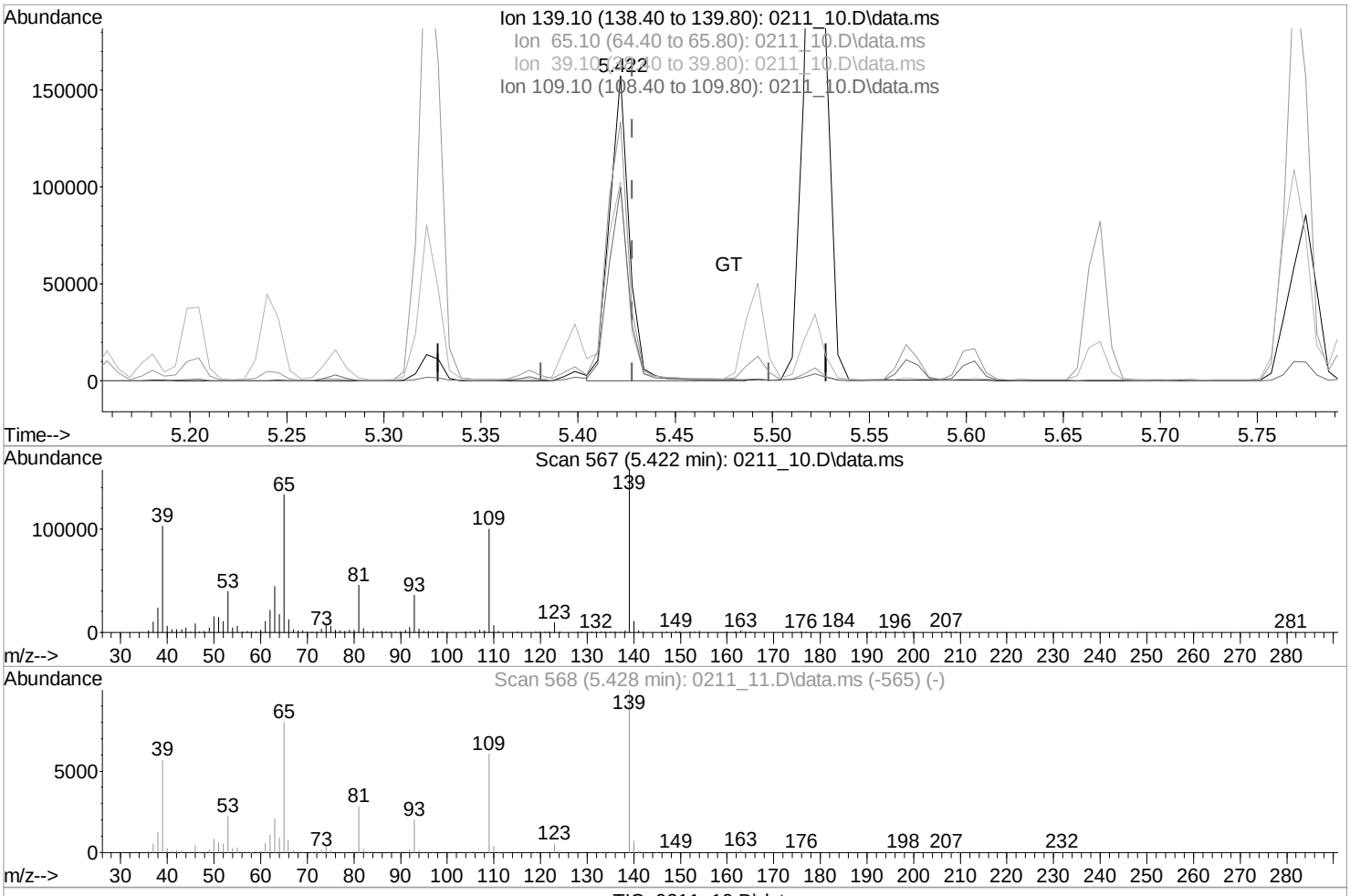
Qvalue = 96

response 116042

Ion	Exp%	Act%
139.10	100	100
65.10	81.20	83.12
39.10	58.80	64.66
109.10	61.10	63.04

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 10.D
Acq On : 11 Feb 2022 12:45 pm
Operator : 917
Sample : STD SVMS 5K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 7 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:18:58 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:18:55 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0211_10.D\data.ms

(63) 4-Nitrophenol (MPT)

5.422min (-0.006) 5515.7417575 ppb m

response 112254

Ion	Exp%	Act%
139.10	100	100
65.10	81.20	84.86
39.10	58.80	65.15
109.10	61.10	63.38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 11.D
Acq On : 11 Feb 2022 1:07 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 8 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:10:19 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:08:41 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.452	152	332953	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.199	136	1342555	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.375	164	739780	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.504	188	1305675	8000.0000000 ppb	0.00
84) Chrysene-d12	9.363	240	1101888	8000.0000000 ppb	0.00
94) Perylene-d12	12.098	264	1038059	8000.0000000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.757	112	481251	10000.0000000 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 250.00%#		
7) Phenol-d5	3.210	99	605127	10000.0000000 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 250.00%#		
24) Nitrobenzene-d5	3.757	82	610007	10006.3153889 ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 500.32%#		
50) 2-Fluorobiphenyl	4.893	172	1101449	10000.0000000 ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 500.00%#		
73) 2,4,6-Tribromophenol	5.957	330	129918	10022.9129539 ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 250.57%#		
87) p-Terphenyl-d14	7.934	244	1300939	9986.6889081 ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 499.33%#		
Target Compounds					Qvalue
2) Pyridine	2.199	79	526525	10000.0000000 ppb	100
3) N-Nitrosodimethylamine	2.163	42	298586	10000.0000000 ppb	100
5) Aniline	3.263	66	292999	10000.0000000 ppb	100
6) bis(2-Chloroethyl)ether	3.287	93	500449	10000.0000000 ppb	100
8) Phenol	3.222	94	648963	10000.0000000 ppb	100
10) 2-Chlorophenol	3.334	128	549479	10000.0000000 ppb	100
11) n-Decane	3.340	41	326457	10000.0000000 ppb	100
12) 1,3-Dichlorobenzene	3.422	146	574620	10000.0000000 ppb	100
13) 1,4-Dichlorobenzene	3.463	146	595476	10000.0000000 ppb	100
14) Benzyl Alcohol	3.510	79	429801	10000.0000000 ppb	100
15) 1,2-Dichlorobenzene	3.546	146	562946	10000.0000000 ppb	100
16) bis(2-Chloroisopropyl)...	3.587	121	187555	10000.0000000 ppb	100
17) 2,2-oxybis(1-chloropro...	3.587	121	187555	10000.0000000 ppb	100
18) 2-Methylphenol	3.557	108	479814	10082.4772163 ppb	100
19) Hexachloroethane	3.746	117	232817	10000.0000000 ppb	100
20) N-Nitrosodi-n-propylamine	3.657	70	381748	10000.0000000 ppb	100
21) 3&4-Methyl phenol	3.646	107	547460	9934.0584365 ppb	100
25) Nitrobenzene	3.769	77	543517	10011.6599495 ppb	100
26) Isophorone	3.910	82	1026554	10000.0000000 ppb	100
27) 2-Nitrophenol	3.957	139	277380	10002.9931806 ppb	100
28) 2,4-Dimethylphenol	3.963	107	528036	10001.9699507 ppb	100
29) bis(2-Chlorethoxy)methane	4.022	93	613381	9996.8870809 ppb	100
30) 2,4-Dichlorophenol	4.099	162	420081	9988.8004337 ppb	100
32) 1,2,4-Trichlorobenzene	4.157	180	447075	10000.0000000 ppb	100
34) Naphthalene	4.216	128	1606695m	10000.3112075 ppb	
35) 4-Chloroaniline	4.228	65	197246	9995.1353488 ppb	100
36) Hexachloro-1,3-butadiene	4.287	225	235109	10000.0000000 ppb	100
40) 4-Chloro-3-methylphenol	4.522	107	452582	9994.7881930 ppb	100
41) 2-Methylnaphthalene	4.651	142	1035590	10000.0000000 ppb	100
42) 1-Methylnaphthalene	4.722	142	1000012	10005.1425816 ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 11.D
Acq On : 11 Feb 2022 1:07 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 8 Sample Multiplier: 1
InstName : BNAMS20

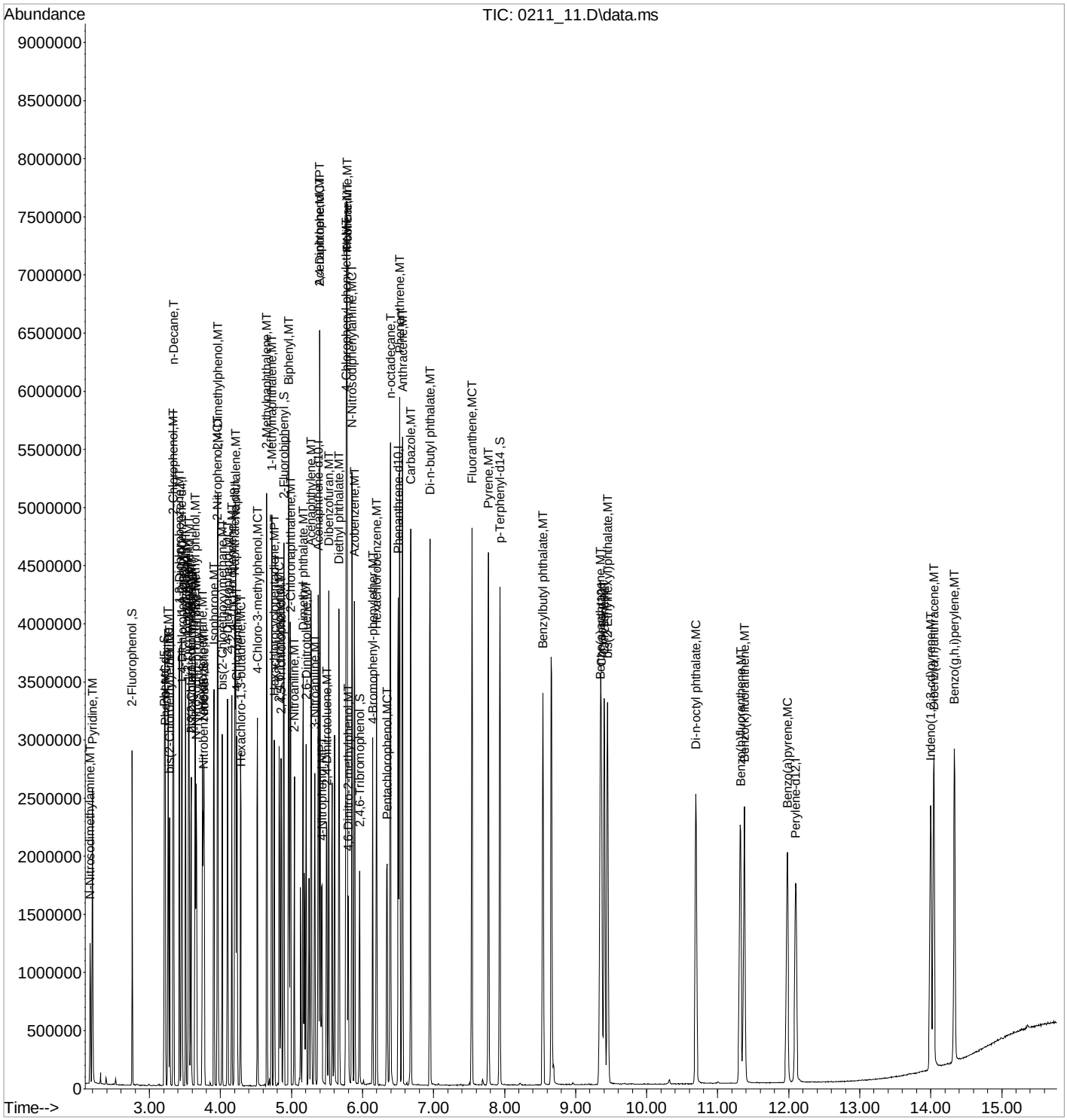
Quant Time: Feb 11 15:10:19 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:08:41 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
47)	Hexachlorocyclopentadiene	4.757	237	302459	10000.0000000 ppb	100
48)	2,4,6-Trichlorophenol	4.828	196	288572	10000.0000000 ppb	100
49)	2,4,5-Trichlorophenol	4.851	196	319085	9968.8205872 ppb	100
51)	Biphenyl	4.963	154	1278058	10000.0000000 ppb	100
52)	2-Chloronaphthalene	4.987	162	991706	10000.8571823 ppb	100
53)	2-Nitroaniline	5.040	138	348355	10000.0000000 ppb	100
54)	Acenaphthylene	5.275	152	1537188	10000.0000000 ppb	100
55)	Dimethyl phthalate	5.163	163	1137701	10000.0000000 ppb	100
56)	2,6-Dinitrotoluene	5.204	165	266814	10000.0000000 ppb	100
57)	3-Nitroaniline	5.328	138	314400	10000.0000000 ppb	100
58)	Acenaphthene	5.398	153	1029405	10000.0000000 ppb	100
59)	2,4-Dinitrophenol	5.398	184	119662	9999.8328654 ppb	100
60)	Dibenzofuran	5.522	168	1386431	10000.0000000 ppb	100
61)	2,4-Dinitrotoluene	5.498	165	345831	10000.0000000 ppb	100
63)	4-Nitrophenol	5.428	139	251018m	9638.0425810 ppb	
64)	Fluorene	5.781	166	1195627	10000.0000000 ppb	100
65)	4-Chlorophenyl-phenyle...	5.769	204	518146	10000.0000000 ppb	100
66)	Diethyl phthalate	5.669	149	1192702	10000.0000000 ppb	100
67)	4-Nitroaniline	5.781	138	349059	10064.3548513 ppb	100
68)	Azobenzene	5.887	77	1246005	10000.0000000 ppb	100
71)	4,6-Dinitro-2-methylph...	5.798	198	160552	10009.4763092 ppb	100
72)	N-Nitrosodiphenylamine	5.851	169	1011585	10007.2711085 ppb	100
74)	4-Bromophenyl-phenylether	6.145	248	279959	10000.0000000 ppb	100
75)	Hexachlorobenzene	6.198	284	311545	10000.0000000 ppb	100
76)	n-octadecane	6.393	55	198044	10000.0000000 ppb	100
77)	Pentachlorophenol	6.345	266	176649	9977.5200935 ppb	100
78)	Phenanthrene	6.522	178	1689081	10000.0000000 ppb	100
79)	Anthracene	6.563	178	1733067	10001.8467786 ppb	100
80)	Carbazole	6.681	167	1632346	9987.3471471 ppb	100
81)	Di-n-butyl phthalate	6.951	149	1997325	9992.6655663 ppb	100
83)	Fluoranthene	7.539	202	1683545	9994.4315259 ppb	100
86)	Pyrene	7.775	202	1747008	9993.6674647 ppb	100
88)	Benzylbutyl phthalate	8.539	149	825973	10008.2152442 ppb	100
90)	Benzo(a)anthracene	9.345	228	1565061	10000.0000000 ppb	100
91)	Chrysene	9.404	228	1539910	10000.0000000 ppb	100
92)	bis(2-Ethylhexyl)phtha...	9.451	149	1162277	10000.0000000 ppb	100
93)	Di-n-octyl phthalate	10.692	149	1827759	10014.5526033 ppb	100
95)	Benzo(b)fluoranthene	11.322	252	1434120	10000.0000000 ppb	100
96)	Benzo(k)fluoranthene	11.375	252	1445761	9982.2485452 ppb	100
97)	Benzo(a)pyrene	11.980	252	1229747	10000.0000000 ppb	100
98)	Indeno(1,2,3-cd)pyrene	13.998	276	1203808	9999.3687099 ppb	100
99)	Dibenz(a,h)anthracene	14.045	278	1299469m	9961.4564081 ppb	
100)	Benzo(g,h,i)perylene	14.333	276	1304298	10000.0000000 ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 11.D
Acq On : 11 Feb 2022 1:07 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 8 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:10:19 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:08:41 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050322\
Data File : 0503 03.D
Acq On : 3 May 2022 5:45 am
Operator : 917
Sample : ICV SVMS 10K ppb 22D19627 exp 10/01/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 03 06:31:58 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.340	152	303335	8000.0000000 ppb		0.00
23) Naphthalene-d8	4.081	136	1209435	8000.0000000 ppb		0.00
46) Acenaphthene-d10	5.245	164	661999	8000.0000000 ppb		0.00
70) Phenanthrene-d10	6.363	188	1157228	8000.0000000 ppb		0.00
84) Chrysene-d12	9.128	240	965140	8000.0000000 ppb		0.00
94) Perylene-d12	11.786	264	916686	8000.0000000 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.699	112	479284	11085.7261674 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 277.14%#			
7) Phenol-d5	3.163	99	585569	10633.7835952 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 265.84%#			
24) Nitrobenzene-d5	3.651	82	478106m	9345.3276228 ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 467.27%#			
50) 2-Fluorobiphenyl	4.769	172	1072094	11097.5294531 ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 554.88%#			
73) 2,4,6-Tribromophenol	5.834	330	164240	13902.6025508 ppb		0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 347.57%#			
87) p-Terphenyl-d14	7.751	244	1281576	11241.8008413 ppb		0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 562.09%#			
Target Compounds						Qvalue
2) Pyridine	2.116	79	465628	9803.8529145 ppb		96
3) N-Nitrosodimethylamine	2.087	42	234386	8692.5774219 ppb		86
5) Aniline	3.169	66	463658	17443.6018196 ppb	#	90
6) bis(2-Chloroethyl)ether	3.181	93	391251m	8904.4165722 ppb		
8) Phenol	3.169	94	660996	11484.0897391 ppb	#	55
10) 2-Chlorophenol	3.246	128	535611	10930.8907527 ppb		96
11) n-Decane	3.228	41	260300	8649.2328721 ppb		94
12) 1,3-Dichlorobenzene	3.310	146	564157	10693.9169350 ppb		99
13) 1,4-Dichlorobenzene	3.351	146	574716	10628.2571911 ppb		98
14) Benzyl Alcohol	3.416	79	383427	10004.6725058 ppb		99
15) 1,2-Dichlorobenzene	3.440	146	549854	10776.7430116 ppb		92
16) bis(2-Chloroisopropyl)...	3.475	121	180653	10497.1235436 ppb	#	92
17) 2,2-oxybis(1-chloropro...	3.475	121	180653	10497.1235436 ppb	#	92
18) 2-Methylphenol	3.493	108	447196	10327.1931129 ppb		96
19) Hexachloroethane	3.628	117	234439	10944.6219287 ppb		97
20) N-Nitrosodi-n-propylamine	3.551	70	317745	9352.4670656 ppb		88
21) 3&4-Methyl phenol	3.581	107	514081	10365.1450739 ppb		98
25) Nitrobenzene	3.663	77	476528	9973.1140637 ppb		94
26) Isophorone	3.799	82	893293	10131.3953571 ppb		99
27) 2-Nitrophenol	3.851	139	298209	12491.9317222 ppb	#	64
28) 2,4-Dimethylphenol	3.881	107	423941	9002.1383964 ppb		98
29) bis(2-Chlorethoxy)methane	3.916	93	579718	10651.4597064 ppb		89
30) 2,4-Dichlorophenol	4.010	162	427783	11397.1573239 ppb		95
32) 1,2,4-Trichlorobenzene	4.046	180	447854	11080.9459596 ppb		96
34) Naphthalene	4.098	128	1494060	10685.1626665 ppb		100
35) 4-Chloroaniline	4.128	65	156867	8879.1512268 ppb		78
36) Hexachloro-1,3-butadiene	4.163	225	243710	11398.2503953 ppb		97
40) 4-Chloro-3-methylphenol	4.451	107	425296	10604.5752106 ppb		95
41) 2-Methylnaphthalene	4.534	142	992903	10851.6237267 ppb		99
42) 1-Methylnaphthalene	4.598	142	939456	10748.3579496 ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050322\
Data File : 0503 03.D
Acq On : 3 May 2022 5:45 am
Operator : 917
Sample : ICV SVMS 10K ppb 22D19627 exp 10/01/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

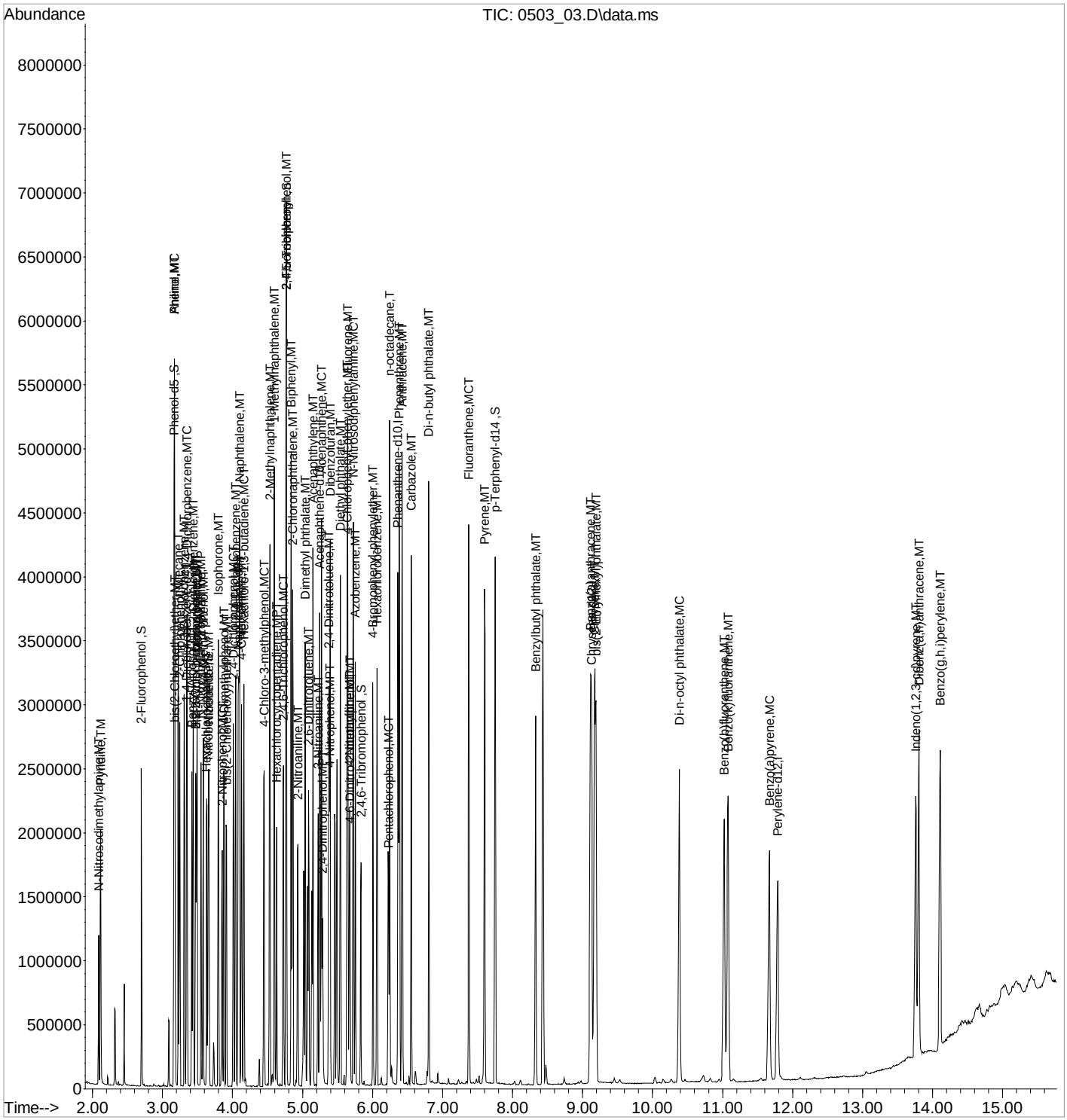
Quant Time: May 03 06:31:58 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.628	237	256714	9473.6600590 ppb		99
48)	2,4,6-Trichlorophenol	4.728	196	299032	11639.9496913 ppb	#	85
49)	2,4,5-Trichlorophenol	4.769	196	321649	11491.0629498 ppb		88
51)	Biphenyl	4.840	154	1211114	10855.8125781 ppb		99
52)	2-Chloronaphthalene	4.857	162	942057	10832.3772097 ppb		97
53)	2-Nitroaniline	4.934	138	353096	11835.4503754 ppb		91
54)	Acenaphthylene	5.151	152	1454801	11155.6452653 ppb		99
55)	Dimethyl phthalate	5.040	163	1053289	10661.6062426 ppb		99
56)	2,6-Dinitrotoluene	5.087	165	260561	11484.3449943 ppb		97
57)	3-Nitroaniline	5.222	138	284173	10872.7880156 ppb		88
58)	Acenaphthene	5.269	153	966280	10615.1629511 ppb		96
59)	2,4-Dinitrophenol	5.287	184	154528	11827.4356035 ppb	#	1
60)	Dibenzofuran	5.393	168	1320208	10897.8123686 ppb	#	81
61)	2,4-Dinitrotoluene	5.375	165	344460	11936.6924400 ppb		92
63)	4-Nitrophenol	5.387	139	309518m	14673.0974022 ppb		
64)	Fluorene	5.645	166	1078502	10454.7994955 ppb		99
65)	4-Chlorophenyl-phenyle...	5.634	204	504255	10900.1911770 ppb		98
66)	Diethyl phthalate	5.540	149	1062770	10477.7692074 ppb		98
67)	4-Nitroaniline	5.669	138	310054	10728.6657803 ppb		92
68)	Azobenzene	5.757	77	1002774	9625.0782617 ppb		93
71)	4,6-Dinitro-2-methylph...	5.681	198	196984	11945.9895859 ppb	#	71
72)	N-Nitrosodiphenylamine	5.728	169	922675	10515.8945405 ppb		99
74)	4-Bromophenyl-phenylether	6.004	248	289169	11604.5472998 ppb		90
75)	Hexachlorobenzene	6.063	284	323153	11426.6176554 ppb		99
76)	n-octadecane	6.245	55	165736	9291.1359291 ppb	#	98
77)	Pentachlorophenol	6.228	266	186518	10443.9411085 ppb		97
78)	Phenanthrene	6.381	178	1503583	10129.6238143 ppb		99
79)	Anthracene	6.422	178	1506559	10455.7399393 ppb		98
80)	Carbazole	6.551	167	1433633	10378.9772250 ppb		99
81)	Di-n-butyl phthalate	6.804	149	1813263	11385.5232279 ppb		99
83)	Fluoranthene	7.375	202	1563367	10812.9317447 ppb		99
86)	Pyrene	7.598	202	1603293	10752.3662314 ppb		99
88)	Benzylbutyl phthalate	8.328	149	804215	11681.6069064 ppb		97
90)	Benzo(a)anthracene	9.116	228	1452971	10784.4000733 ppb		99
91)	Chrysene	9.169	228	1376283	9772.9722174 ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.192	149	1164327	12006.6225118 ppb		98
93)	Di-n-octyl phthalate	10.380	149	1893013	11214.1504080 ppb		99
95)	Benzo(b)fluoranthene	11.022	252	1374840	10974.2537625 ppb		99
96)	Benzo(k)fluoranthene	11.080	252	1390168	11198.0015455 ppb		97
97)	Benzo(a)pyrene	11.669	252	1222309	11804.8723675 ppb		99
98)	Indeno(1,2,3-cd)pyrene	13.757	276	1144756m	10863.9882121 ppb		
99)	Dibenz(a,h)anthracene	13.804	278	1248178m	10675.4674794 ppb		
100)	Benzo(g,h,i)perylene	14.110	276	1255919	11102.2872583 ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

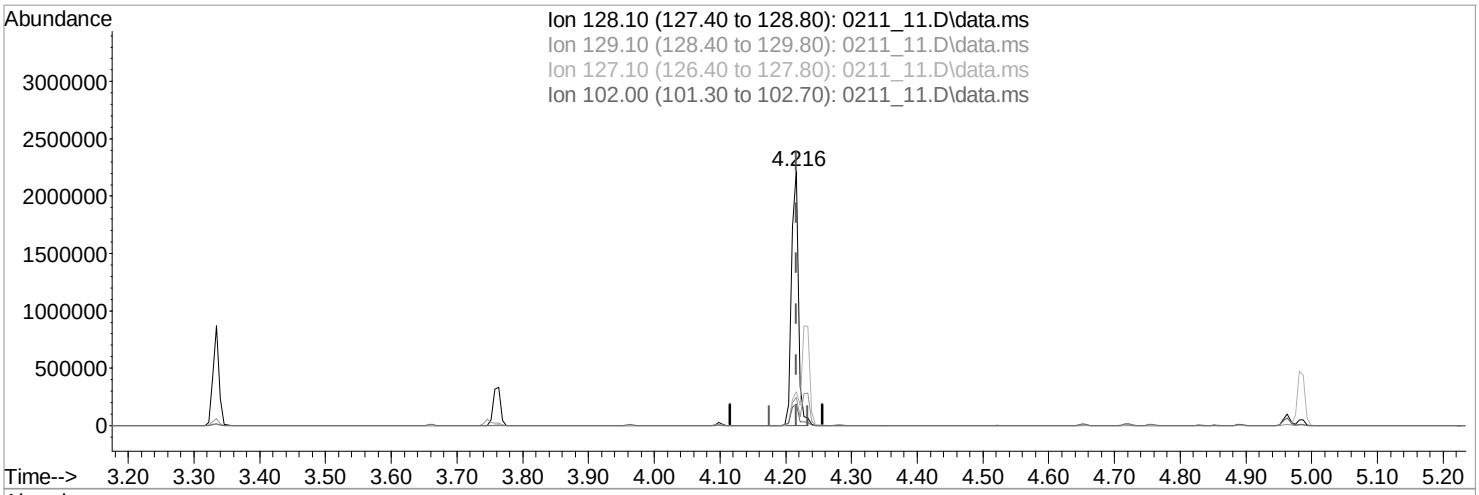
Data Path : C:\msdchem\1\data\050322\
Data File : 0503 03.D
Acq On : 3 May 2022 5:45 am
Operator : 917
Sample : ICV SVMS 10K ppb 22D19627 exp 10/01/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

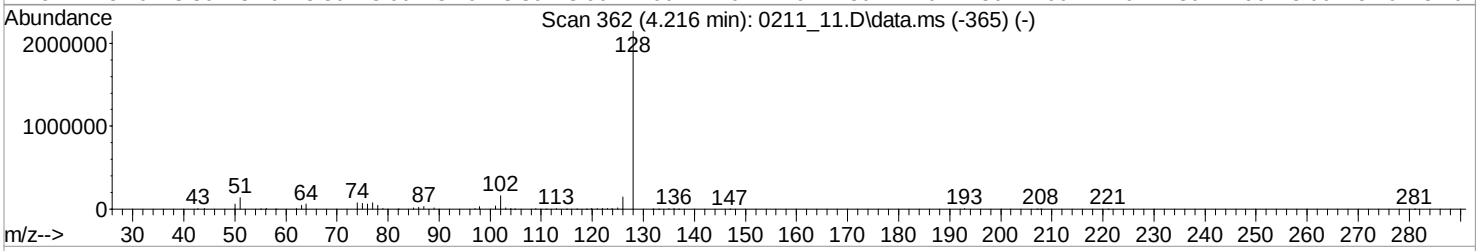
Quant Time: May 03 06:31:58 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

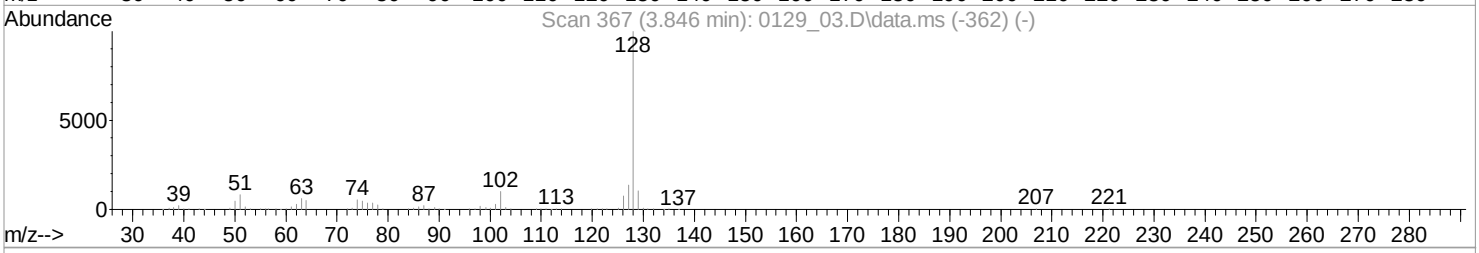


Data Path : C:\msdchem\1\data\021122\
Data File : 0211 11.D
Acq On : 11 Feb 2022 1:07 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 8 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:08:49 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:08:41 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_11.D\data.ms

(34) Naphthalene (MT)

4.216min (0.000) 10149.7094878 ppb

Qvalue = 100

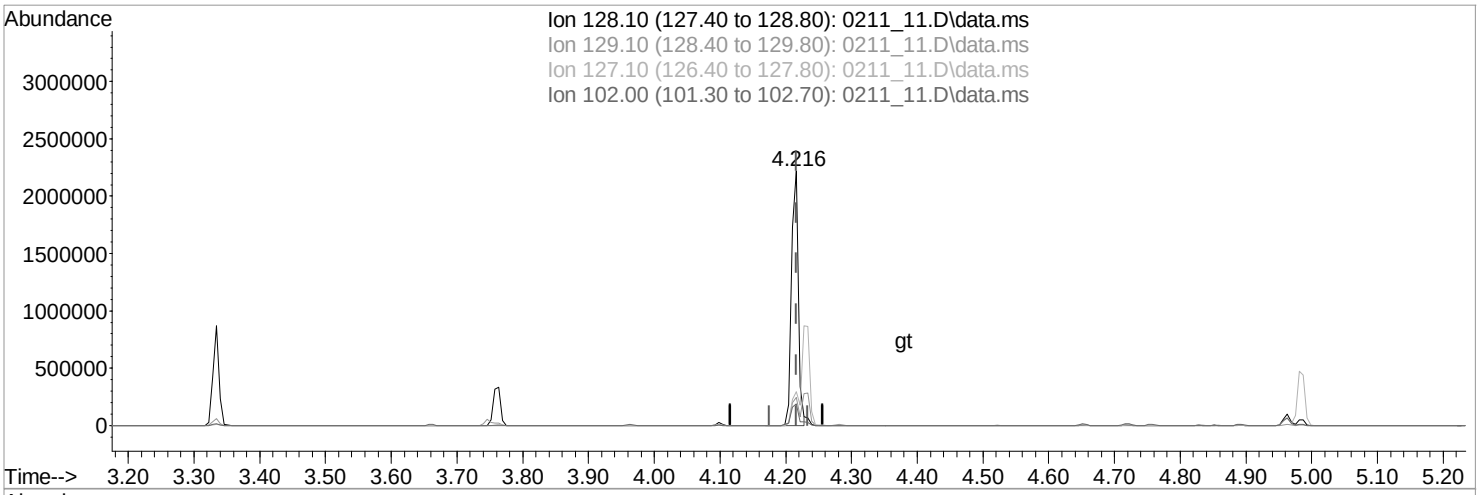
response 1630698

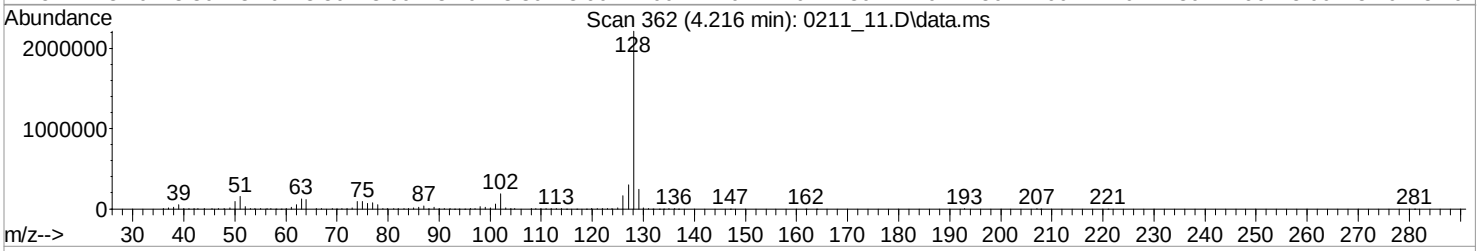
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.06
127.10	13.40	13.38
102.00	8.60	8.58

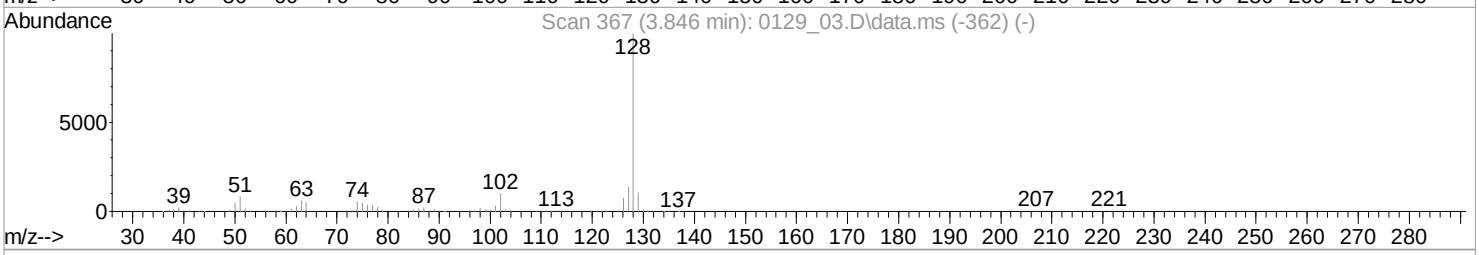
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 11.D
Acq On : 11 Feb 2022 1:07 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 8 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:08:49 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:08:41 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_11.D\data.ms

(34) Naphthalene (MT)

4.216min (0.000) 10000.3112075 ppb m

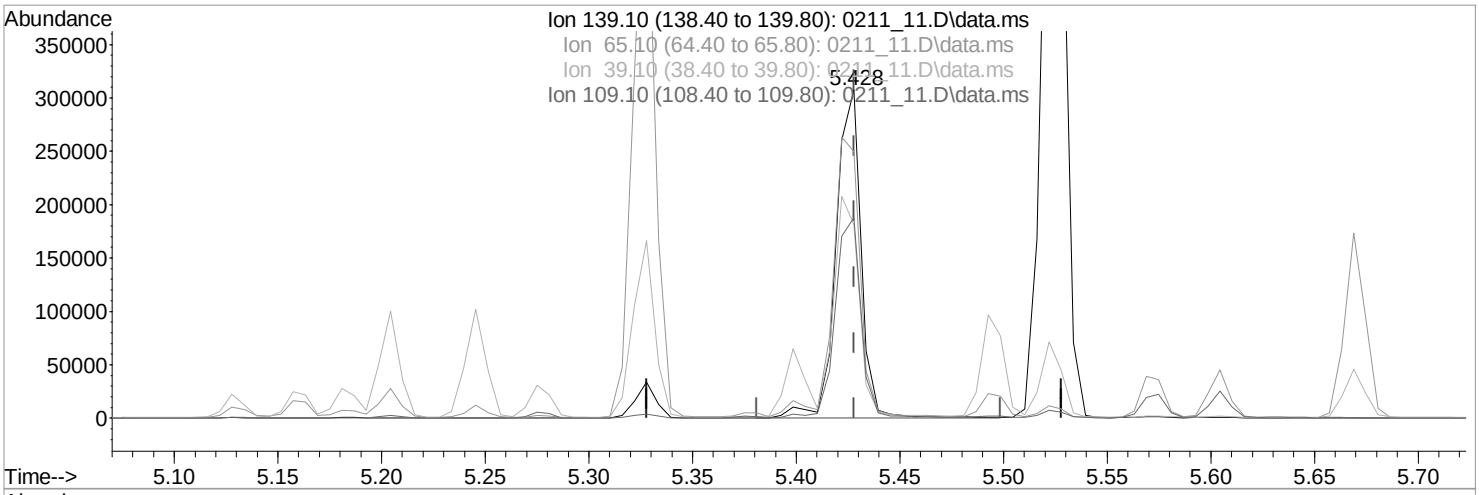
response 1606695

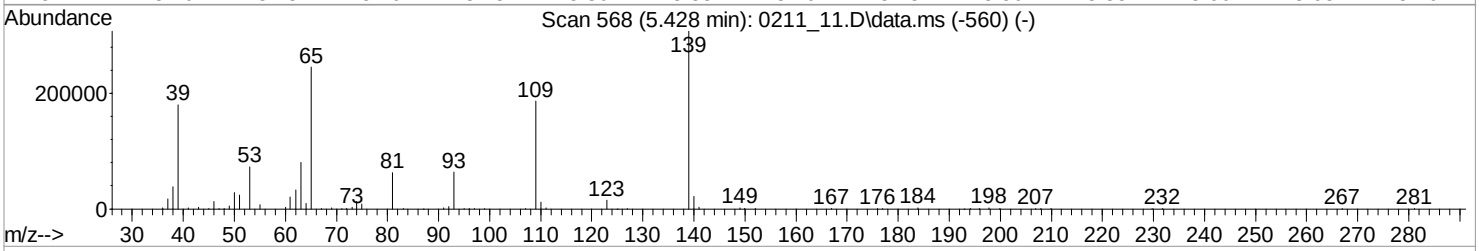
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.06
127.10	13.40	13.38
102.00	8.60	8.58

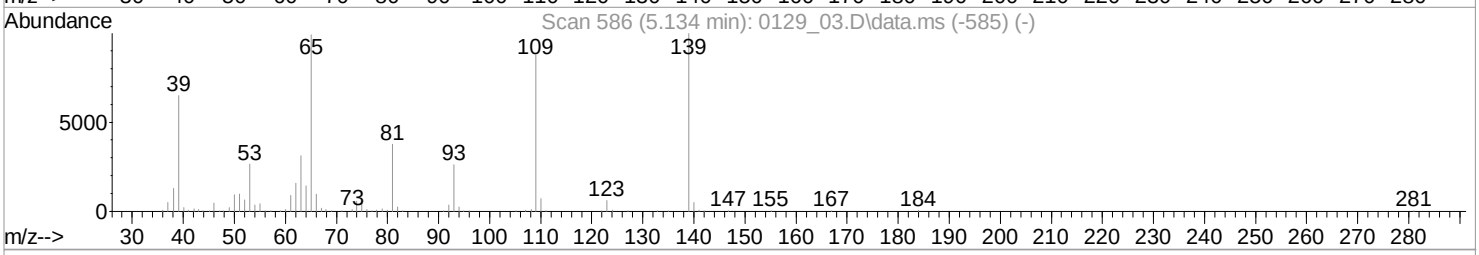
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 11.D
Acq On : 11 Feb 2022 1:07 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 8 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:08:49 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:08:41 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_11.D\data.ms

(63) 4-Nitrophenol (MPT)

5.428min (0.000) 10053.8309432 ppb

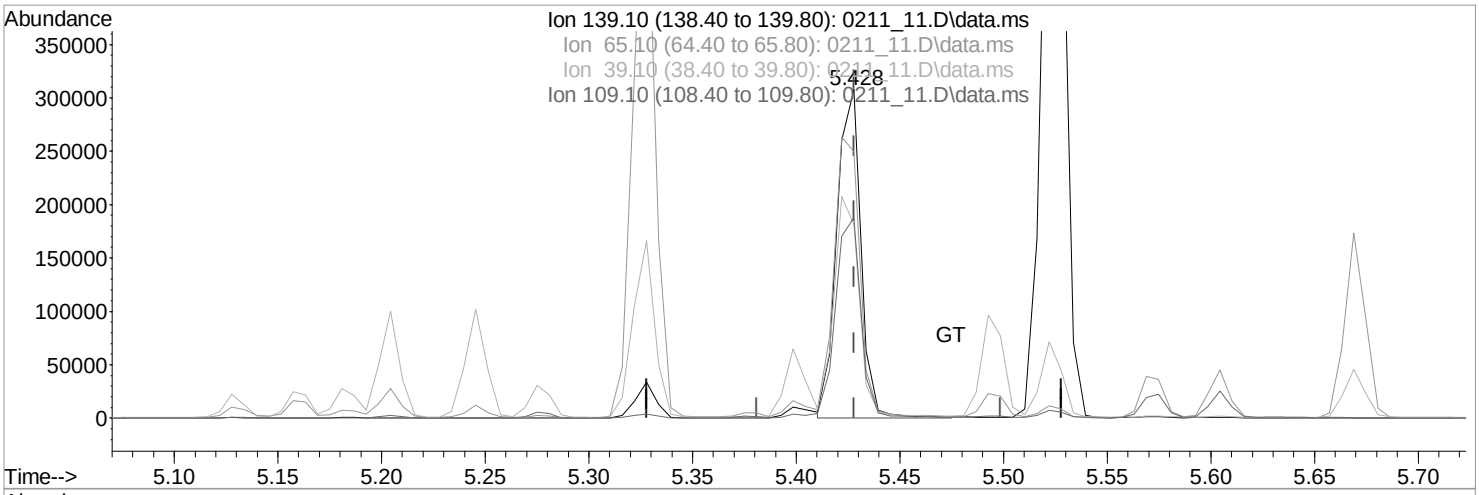
Qvalue = 99

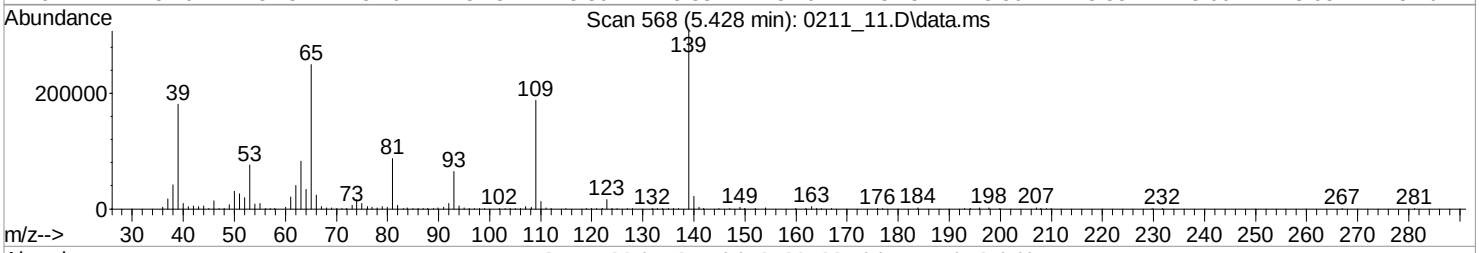
response 261847

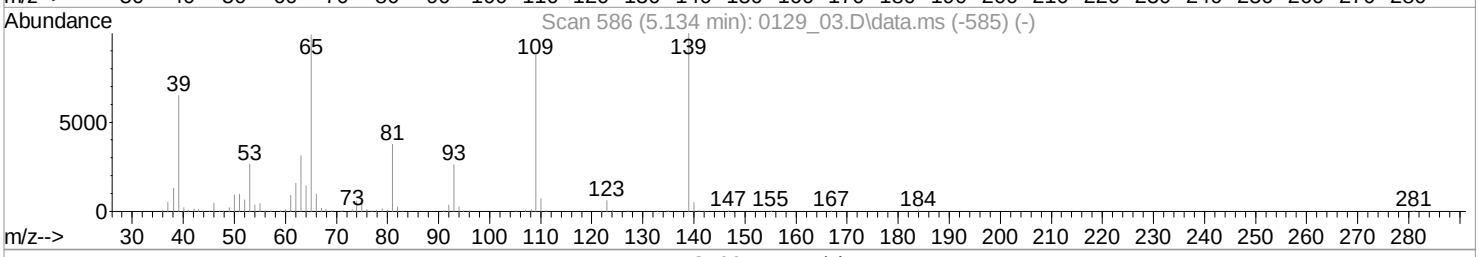
Ion	Exp%	Act%
139.10	100	100
65.10	81.20	79.55
39.10	58.80	58.46
109.10	61.10	60.66

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 11.D
Acq On : 11 Feb 2022 1:07 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 8 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:08:49 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:08:41 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_11.D\data.ms

(63) 4-Nitrophenol (MPT)

5.428min (0.000) 9638.0425810 ppb m

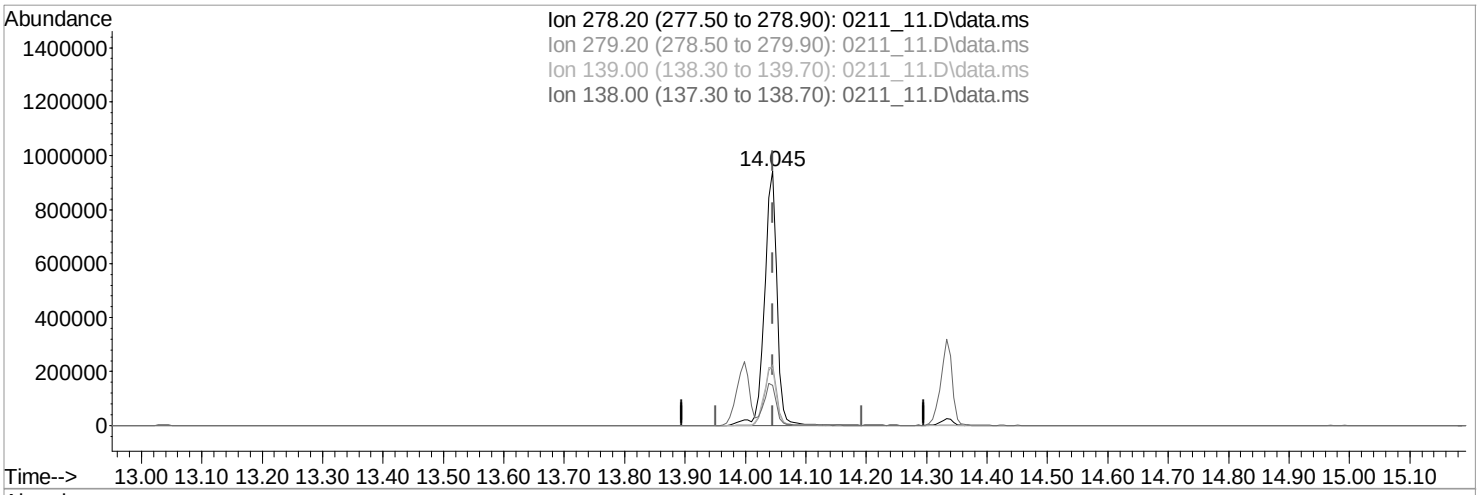
response 251018

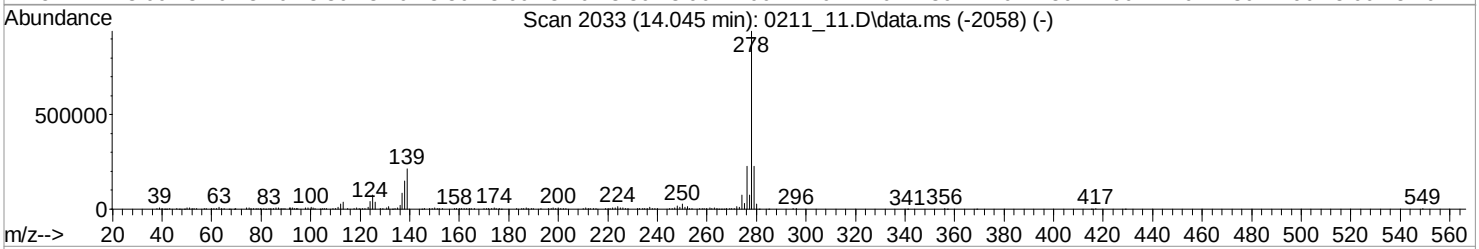
Ion	Exp%	Act%
139.10	100	100
65.10	81.20	81.18
39.10	58.80	58.83
109.10	61.10	61.11

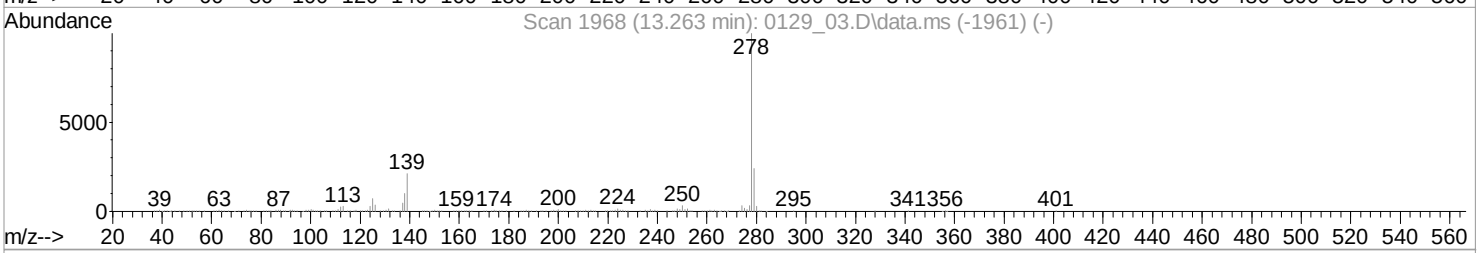
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 11.D
Acq On : 11 Feb 2022 1:07 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 8 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:08:49 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:08:41 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_11.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

14.045min (0.000) 10218.1070558 ppb

Qvalue = 100

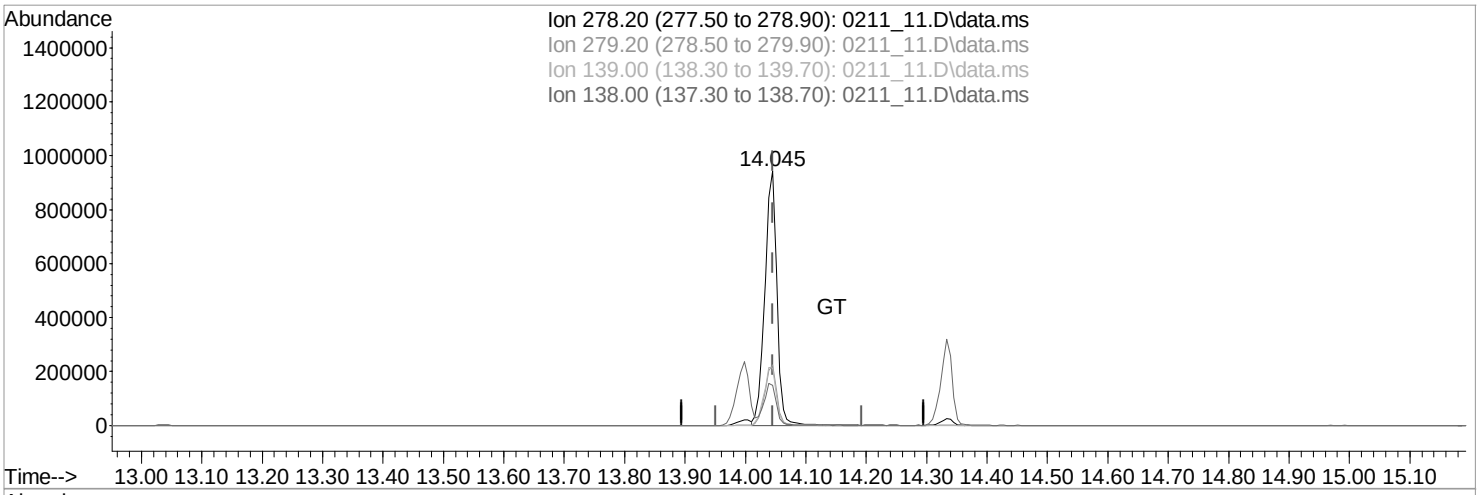
response 1332949

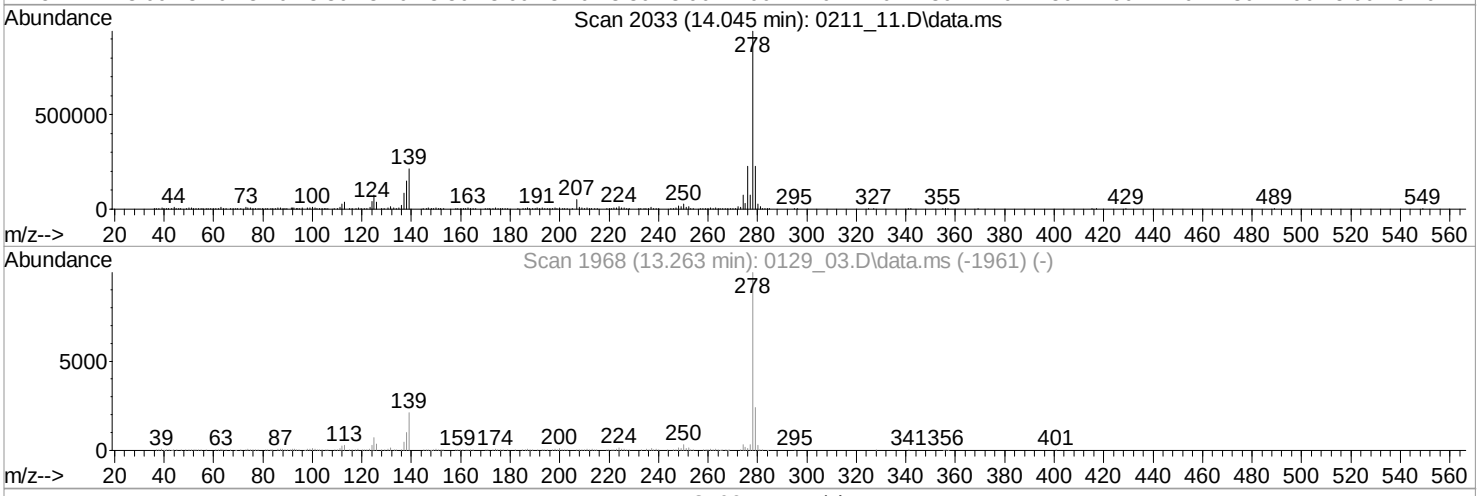
Ion	Exp%	Act%
278.20	100	100
279.20	23.90	23.89
139.00	22.50	22.54
138.00	15.80	15.76

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 11.D
Acq On : 11 Feb 2022 1:07 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 8 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:08:49 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:08:41 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_11.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

14.045min (0.000) 9961.4564081 ppb m

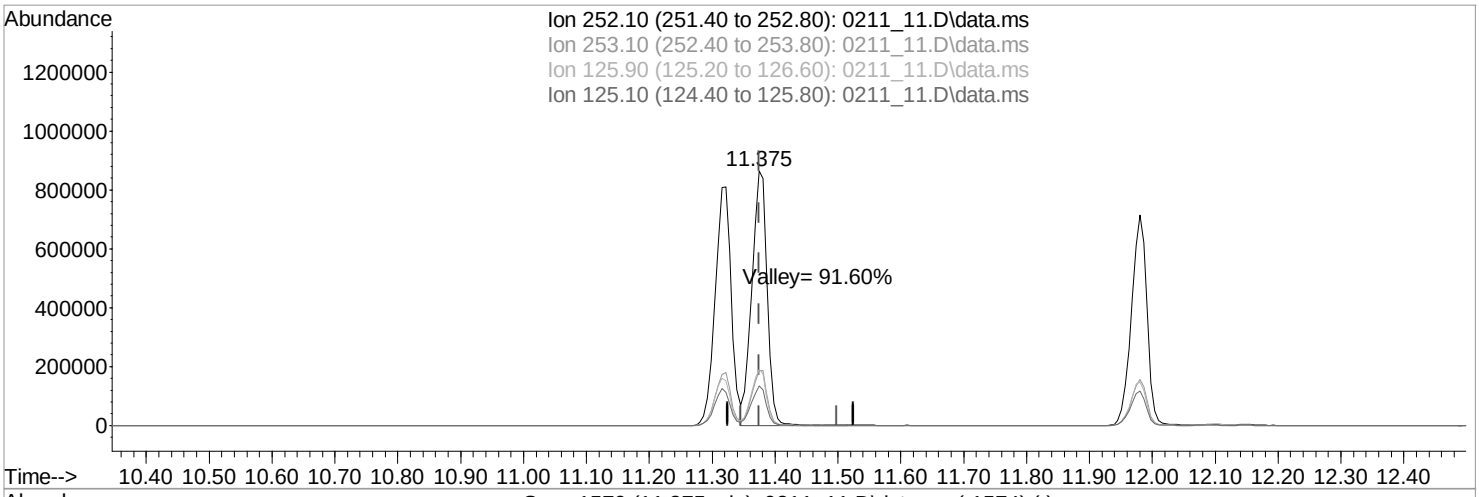
response 1299469

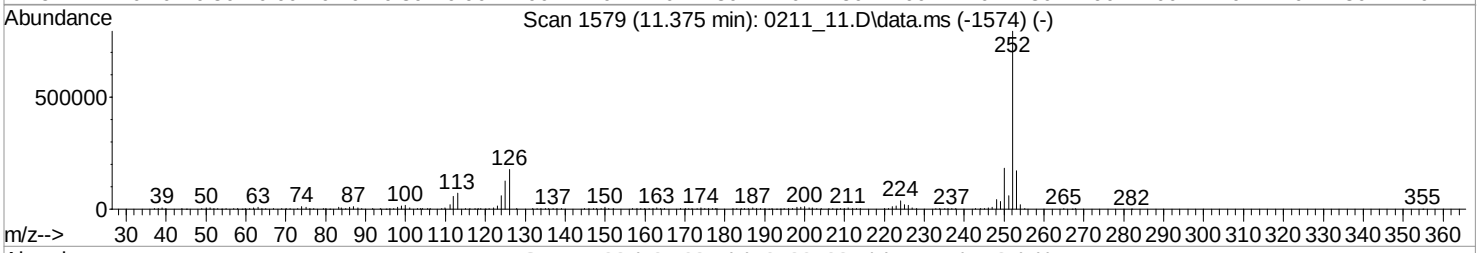
Ion	Exp%	Act%
278.20	100	100
279.20	23.90	23.91
139.00	22.50	22.54
138.00	15.80	15.76

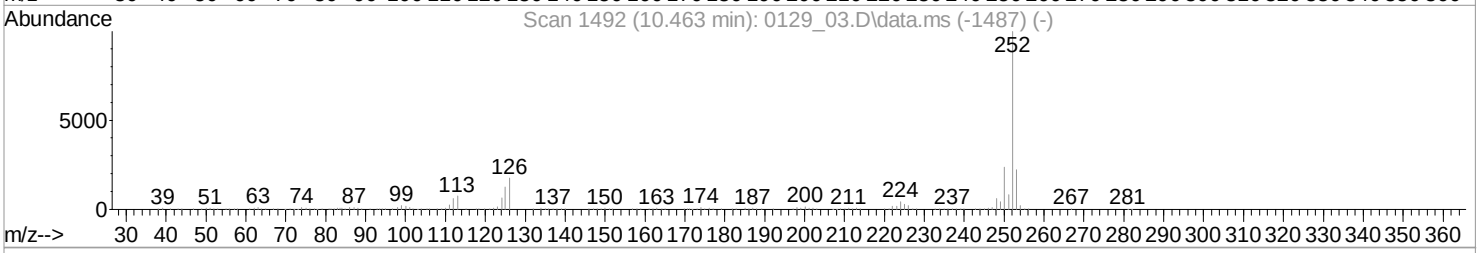
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 11.D
Acq On : 11 Feb 2022 1:07 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 8 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:10:19 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:08:41 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_11.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.375min (0.000) 9982.2485452 ppb

Qvalue = 100

response 1445761

Ion	Exp%	Act%
252.10	100	100
253.10	21.70	21.64
125.90	22.10	22.13
125.10	15.60	15.56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:22:50 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.451	152	338914	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.204	136	1381339	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.381	164	763374	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.504	188	1327283	8000.0000000 ppb	0.00
84) Chrysene-d12	9.369	240	1117118	8000.0000000 ppb	0.00
94) Perylene-d12	12.104	264	1043384	8000.0000000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.757	112	966254	19802.1143722 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 495.05%#		
7) Phenol-d5	3.216	99	1243627	20265.4377710 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 506.64%#		
24) Nitrobenzene-d5	3.763	82	1086116m	17823.8393371 ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 891.19%#		
50) 2-Fluorobiphenyl	4.892	172	2208329	19208.8305173 ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 960.44%#		
73) 2,4,6-Tribromophenol	5.957	330	282444	24449.0347728 ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 611.23%#		
87) p-Terphenyl-d14	7.933	244	2631772	19723.5616077 ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 986.18%#		
Target Compounds					Qvalue
2) Pyridine	2.199	79	1043126	18968.8536518 ppb	99
3) N-Nitrosodimethylamine	2.169	42	600356	19614.7411258 ppb	99
5) Aniline	3.263	66	592423	19839.4124335 ppb	90
6) bis(2-Chloroethyl)ether	3.287	93	1027985m	20582.8607734 ppb	
8) Phenol	3.222	94	1294733	20012.7457205 ppb	93
10) 2-Chlorophenol	3.334	128	1119163	20721.8809354 ppb	96
11) n-Decane	3.340	41	643565	17975.8048549 ppb	99
12) 1,3-Dichlorobenzene	3.422	146	1169616	19553.9679432 ppb	99
13) 1,4-Dichlorobenzene	3.463	146	1198200	19394.0888177 ppb	99
14) Benzyl Alcohol	3.510	79	869131	20572.1873088 ppb	98
15) 1,2-Dichlorobenzene	3.551	146	1139350	19773.7432736 ppb	94
16) bis(2-Chloroisopropyl)...	3.587	121	380756	19633.6246612 ppb	97
17) 2,2-oxybis(1-chloropro...	3.587	121	380756	19633.6246612 ppb	97
18) 2-Methylphenol	3.563	108	981109	20456.9588155 ppb	98
19) Hexachloroethane	3.745	117	477753	20048.0752149 ppb	98
20) N-Nitrosodi-n-propylamine	3.663	70	780874	20953.6430647 ppb	96
21) 3&4-Methyl phenol	3.651	107	1125870	20490.6050972 ppb	99
25) Nitrobenzene	3.775	77	1106170	20163.3073316 ppb	94
26) Isophorone	3.910	82	2079928	20808.1618875 ppb	95
27) 2-Nitrophenol	3.963	139	596316	24219.7848262 ppb	96
28) 2,4-Dimethylphenol	3.963	107	1091271	20500.8163711 ppb	98
29) bis(2-Chlorethoxy)methane	4.028	93	1228532	19401.0701421 ppb	95
30) 2,4-Dichlorophenol	4.104	162	883148	21232.5254915 ppb	91
32) 1,2,4-Trichlorobenzene	4.163	180	919108	19788.9731355 ppb	96
34) Naphthalene	4.216	128	3083383m	17465.3627371 ppb	
35) 4-Chloroaniline	4.234	65	400228	19624.0163780 ppb	100
36) Hexachloro-1,3-butadiene	4.287	225	482426	20039.8257940 ppb	96
40) 4-Chloro-3-methylphenol	4.522	107	932436	20864.7485446 ppb	98
41) 2-Methylnaphthalene	4.657	142	2119549	19171.0056955 ppb	100
42) 1-Methylnaphthalene	4.722	142	2015095	18889.9554487 ppb	100

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:22:50 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

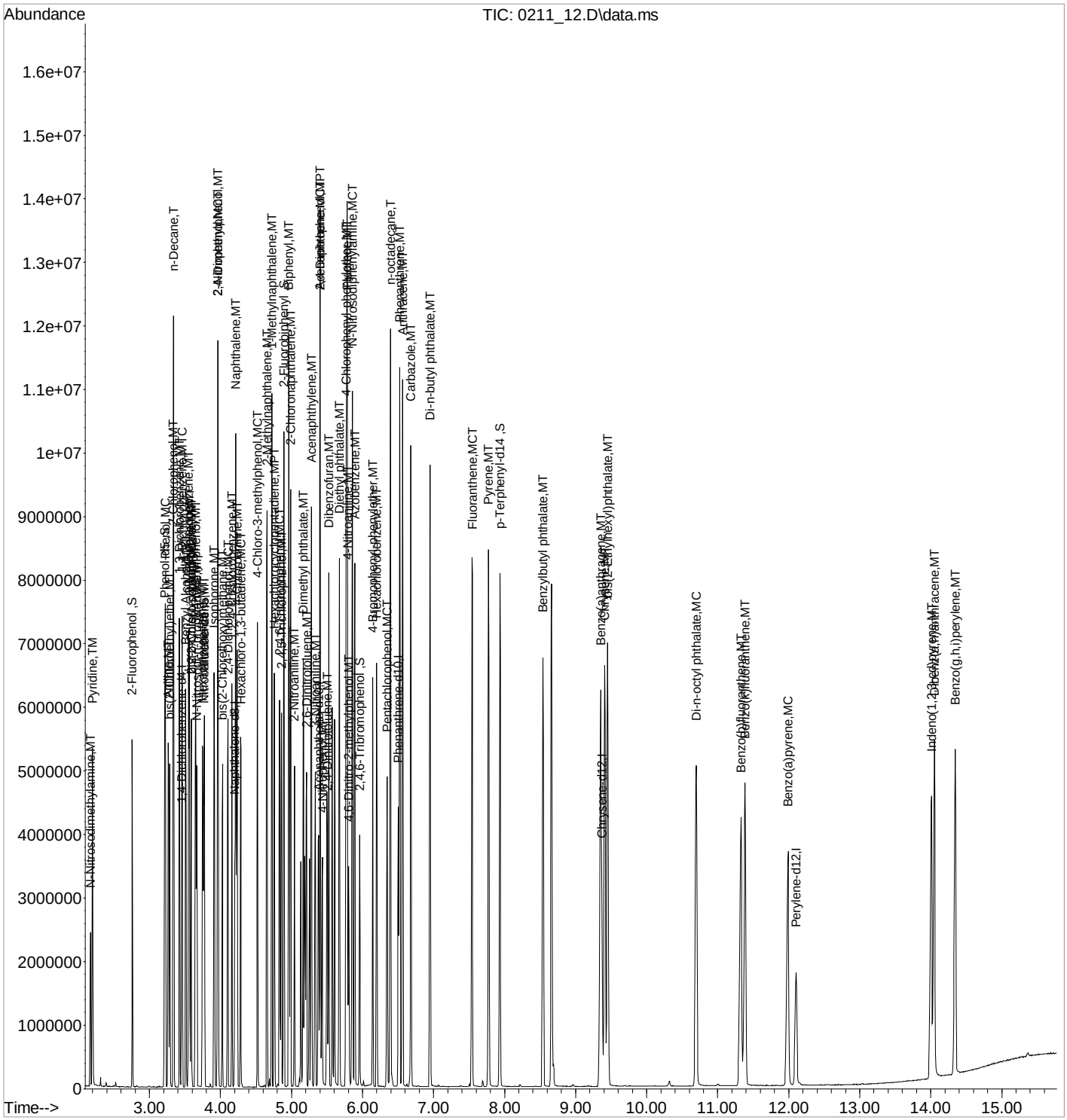
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.757	237	653213	22347.2705396 ppb		99
48)	2,4,6-Trichlorophenol	4.834	196	637669	23332.4080157 ppb		89
49)	2,4,5-Trichlorophenol	4.857	196	644825	20980.6324887 ppb		90
51)	Biphenyl	4.963	154	2562407	18976.7855975 ppb		98
52)	2-Chloronaphthalene	4.987	162	1991492	18449.8177987 ppb		98
53)	2-Nitroaniline	5.040	138	743778	25175.6738646 ppb		98
54)	Acenaphthylene	5.281	152	3066402	18883.4176656 ppb		98
55)	Dimethyl phthalate	5.163	163	2272093	19516.8901938 ppb		93
56)	2,6-Dinitrotoluene	5.210	165	558506	22992.1248073 ppb		93
57)	3-Nitroaniline	5.334	138	656375	23672.6244850 ppb		98
58)	Acenaphthene	5.404	153	2106151	18260.2480340 ppb		99
59)	2,4-Dinitrophenol	5.404	184	286681	30148.0327304 ppb	#	67
60)	Dibenzofuran	5.528	168	2751592	18778.6555302 ppb		99
61)	2,4-Dinitrotoluene	5.504	165	732631	24304.6947009 ppb		98
63)	4-Nitrophenol	5.434	139	536444m	24435.8995521 ppb		
64)	Fluorene	5.781	166	2414457	18822.6372849 ppb		98
65)	4-Chlorophenyl-phenyle...	5.769	204	1063603	19902.5300197 ppb		96
66)	Diethyl phthalate	5.675	149	2357334	19719.7747903 ppb		97
67)	4-Nitroaniline	5.787	138	721972	24795.1857691 ppb		100
68)	Azobenzene	5.892	77	2425995	19486.6829649 ppb		98
71)	4,6-Dinitro-2-methylph...	5.804	198	365682	31050.8783671 ppb		95
72)	N-Nitrosodiphenylamine	5.857	169	2039563	20289.0381895 ppb		99
74)	4-Bromophenyl-phenylether	6.145	248	567850	20575.7148430 ppb		96
75)	Hexachlorobenzene	6.198	284	643820	20236.6975693 ppb		98
76)	n-octadecane	6.392	55	402189	19259.7453610 ppb		99
77)	Pentachlorophenol	6.345	266	384103	26526.1479793 ppb		96
78)	Phenanthrene	6.522	178	3321214	17284.0874152 ppb		97
79)	Anthracene	6.563	178	3363338	18364.1989513 ppb		97
80)	Carbazole	6.681	167	3187568	19433.2503333 ppb		98
81)	Di-n-butyl phthalate	6.951	149	3874718	20594.3145624 ppb		97
83)	Fluoranthene	7.545	202	3382940	18524.4922355 ppb		99
86)	Pyrene	7.775	202	3455126	18165.9728307 ppb		98
88)	Benzylbutyl phthalate	8.539	149	1762442	24576.8618072 ppb		99
90)	Benzo(a)anthracene	9.351	228	3163657	17518.7439515 ppb		99
91)	Chrysene	9.410	228	3060816	15797.4808384 ppb		98
92)	bis(2-Ethylhexyl)phtha...	9.451	149	2514492	25152.1716736 ppb		100
93)	Di-n-octyl phthalate	10.698	149	3983814	26557.4482255 ppb		100
95)	Benzo(b)fluoranthene	11.327	252	2892915	19220.8246810 ppb		98
96)	Benzo(k)fluoranthene	11.386	252	2928376	19226.2004275 ppb		99
97)	Benzo(a)pyrene	11.992	252	2516012	21025.4734862 ppb		99
98)	Indeno(1,2,3-cd)pyrene	14.010	276	2402045	19950.6698277 ppb		98
99)	Dibenz(a,h)anthracene	14.051	278	2603804m	19347.6638655 ppb		
100)	Benzo(g,h,i)perylene	14.345	276	2615066	18637.1526903 ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

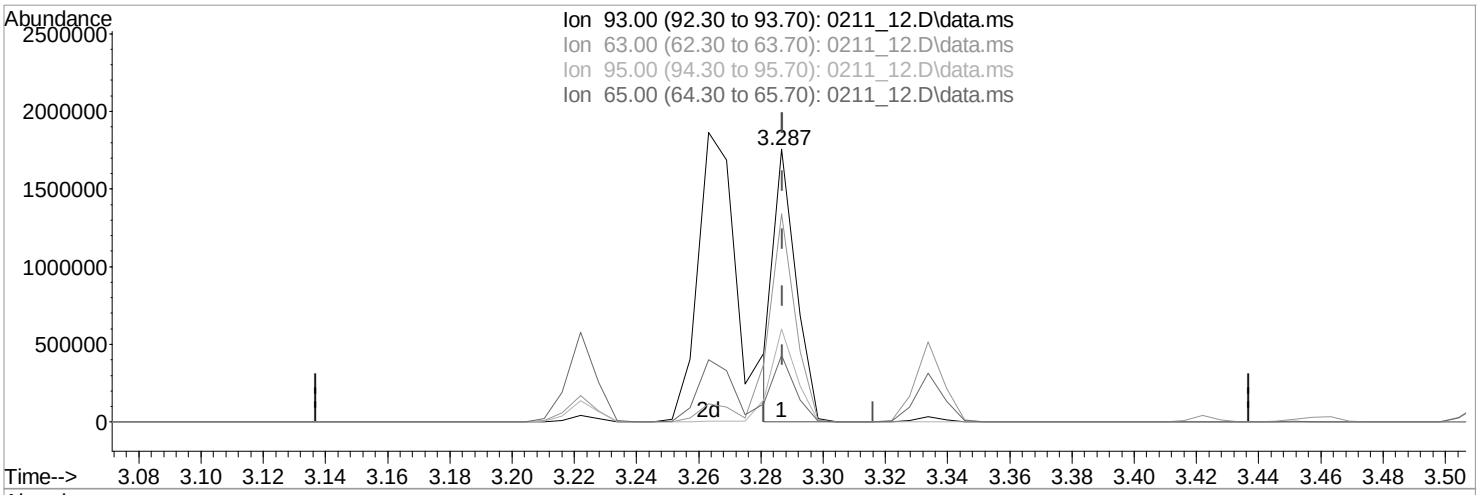
Quant Time: Feb 11 15:22:50 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

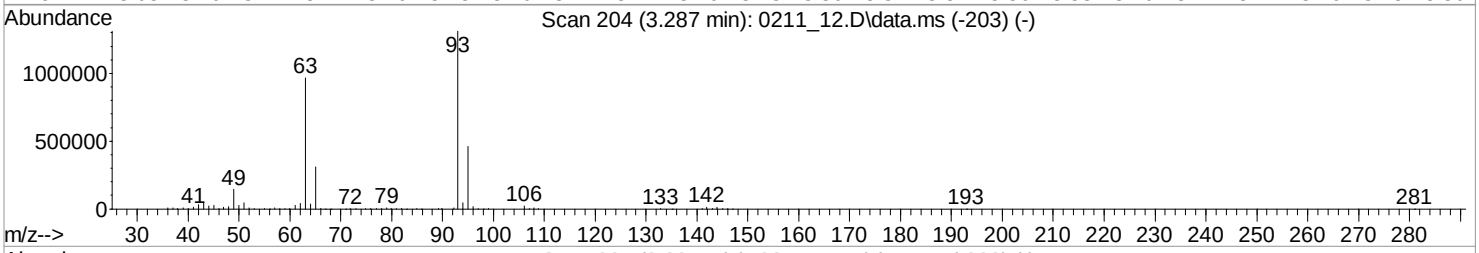


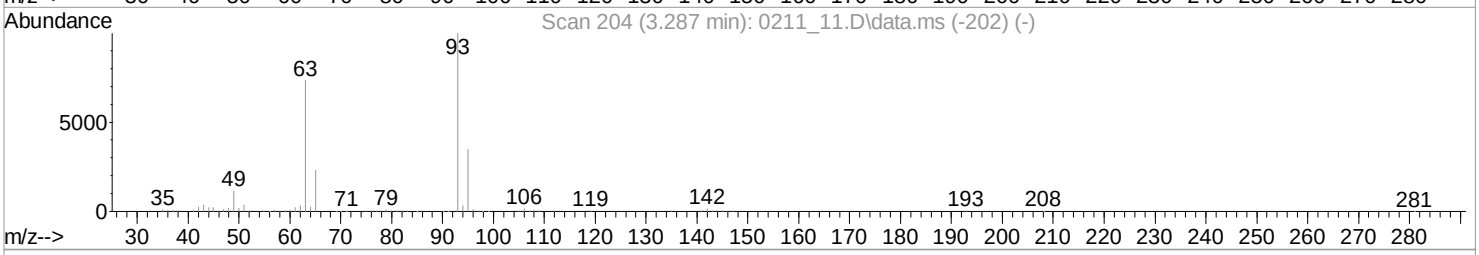
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:21:16 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_12.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.287min (-0.000) 17410.3108756 ppb

Qvalue = 96

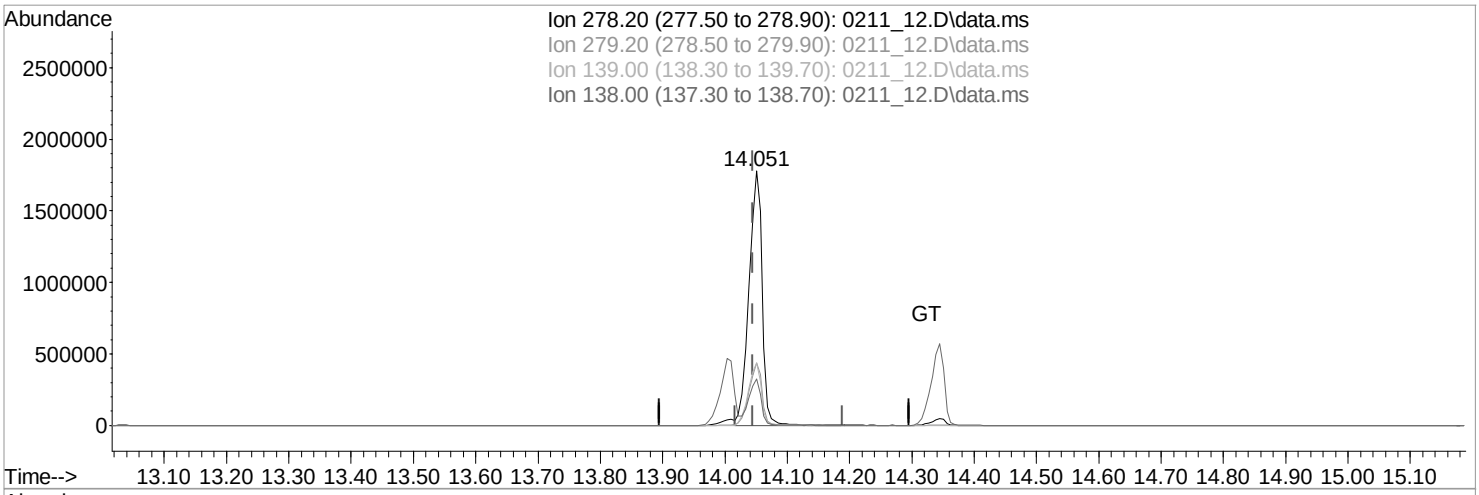
response 869536

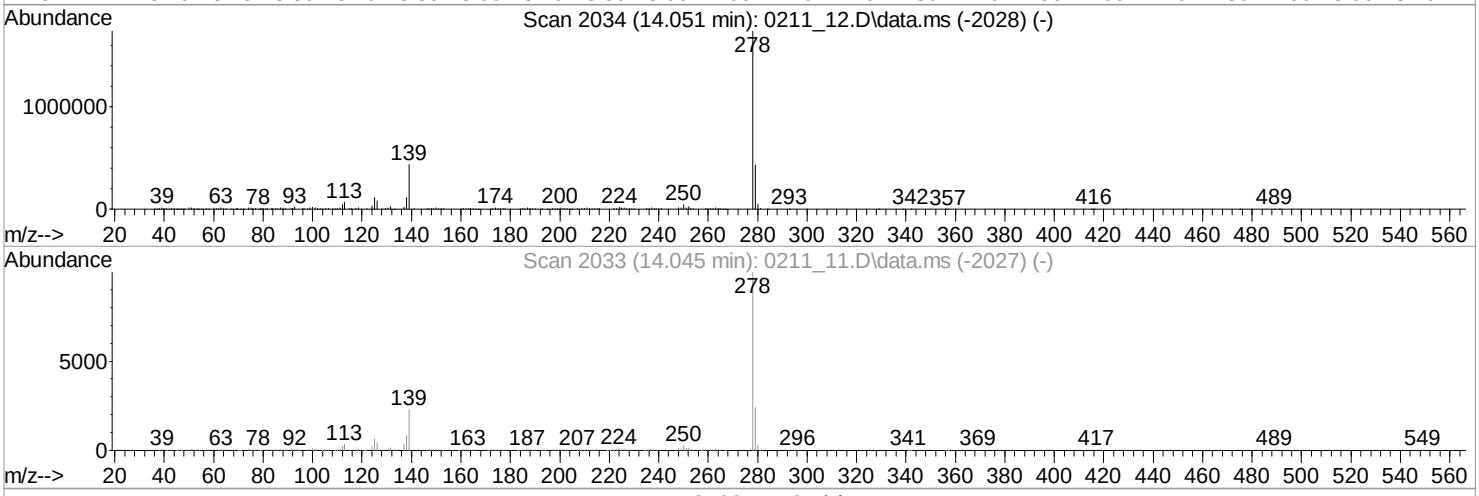
Ion	Exp%	Act%
93.00	100	100
63.00	72.00	76.41
95.00	33.70	34.18
65.00	22.90	24.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:21:16 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_12.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

14.051min (+0.006) 19347.6638655 ppb m

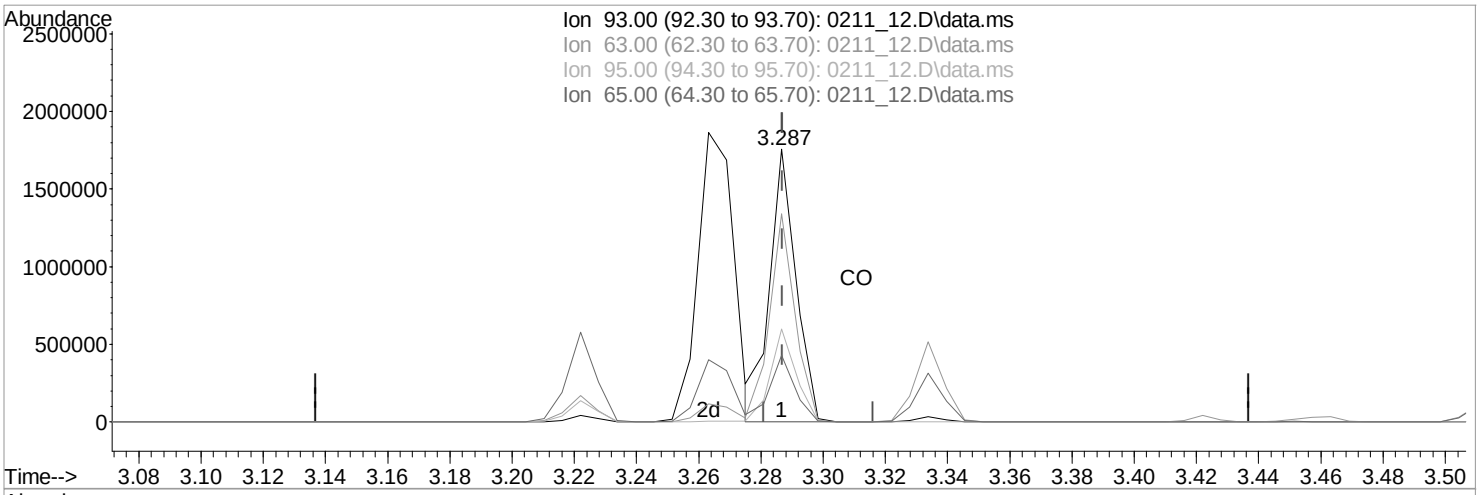
response 2603804

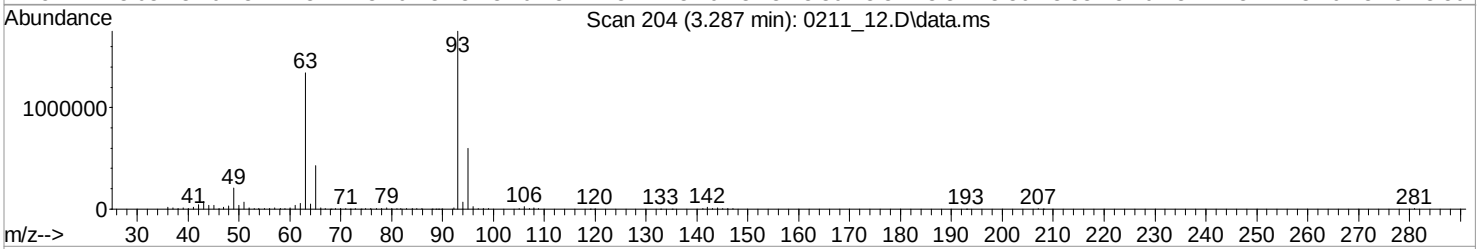
Ion	Exp%	Act%
278.20	100	100
279.20	23.90	24.58
139.00	22.50	24.48
138.00	15.80	18.38

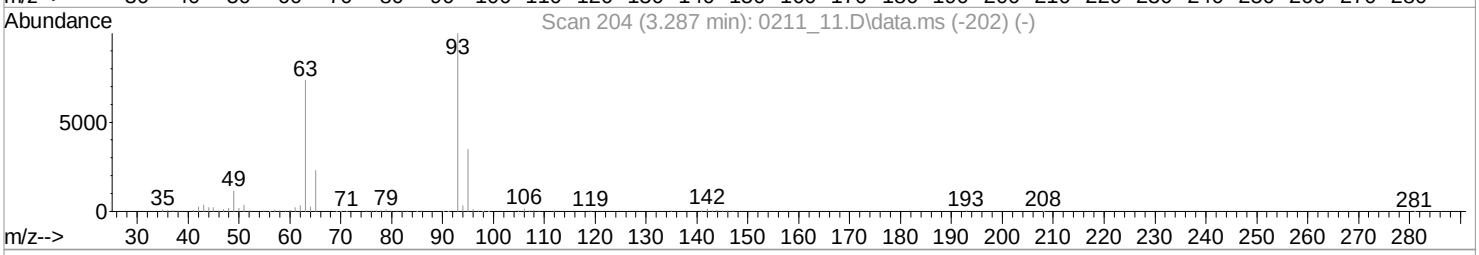
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:21:16 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_12.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.287min (-0.000) 20582.8607734 ppb m

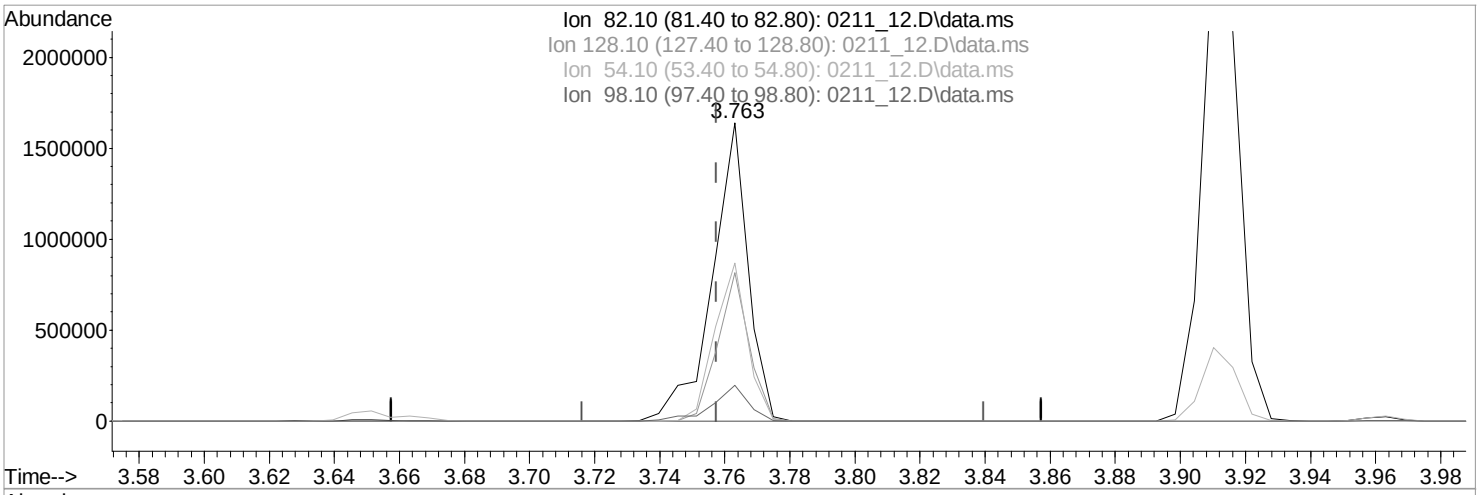
response 1027985

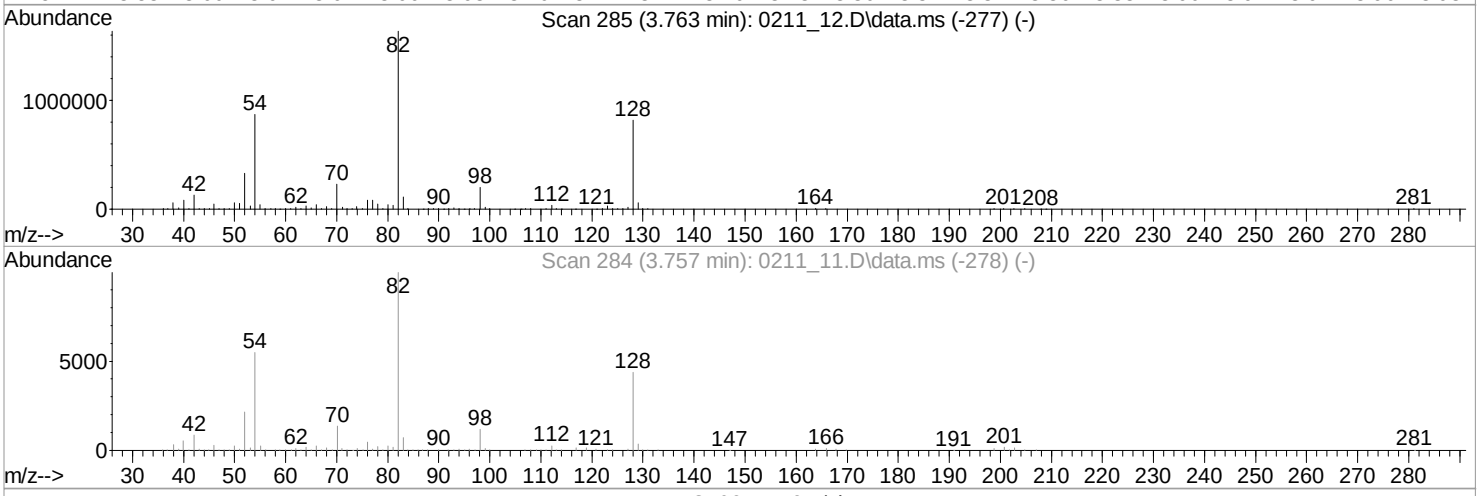
Ion	Exp%	Act%
93.00	100	100
63.00	72.00	76.38
95.00	33.70	34.18
65.00	22.90	24.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:21:16 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_12.D\data.ms

(24) Nitrobenzene-d5 (S)

3.763min (+0.006) 20471.2501417 ppb

Qvalue = 95

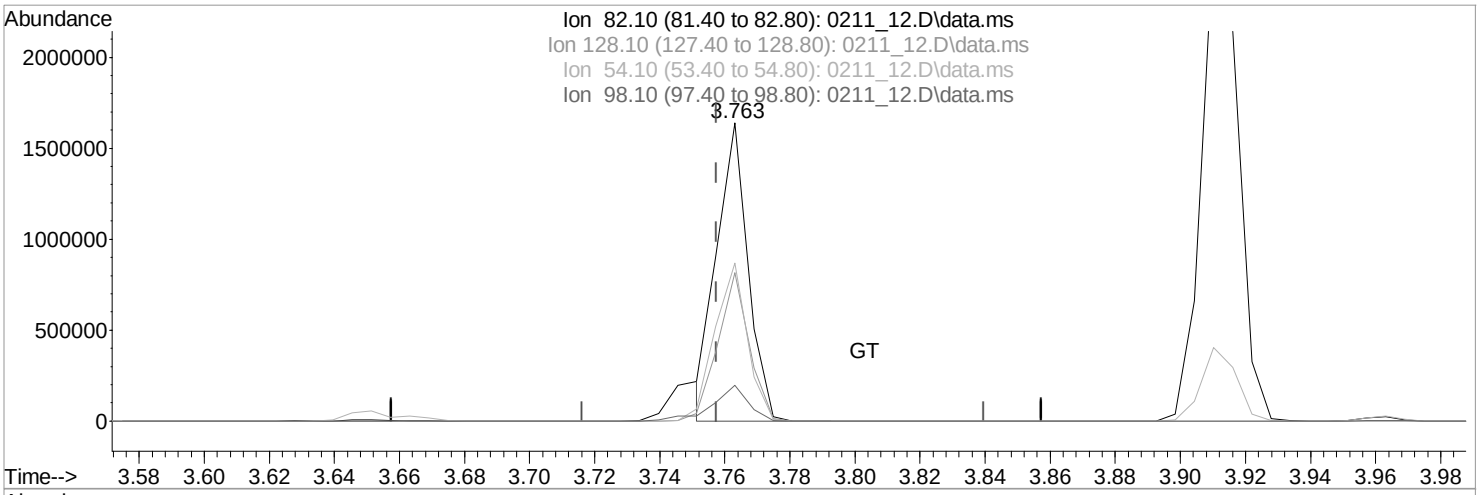
response 1247439

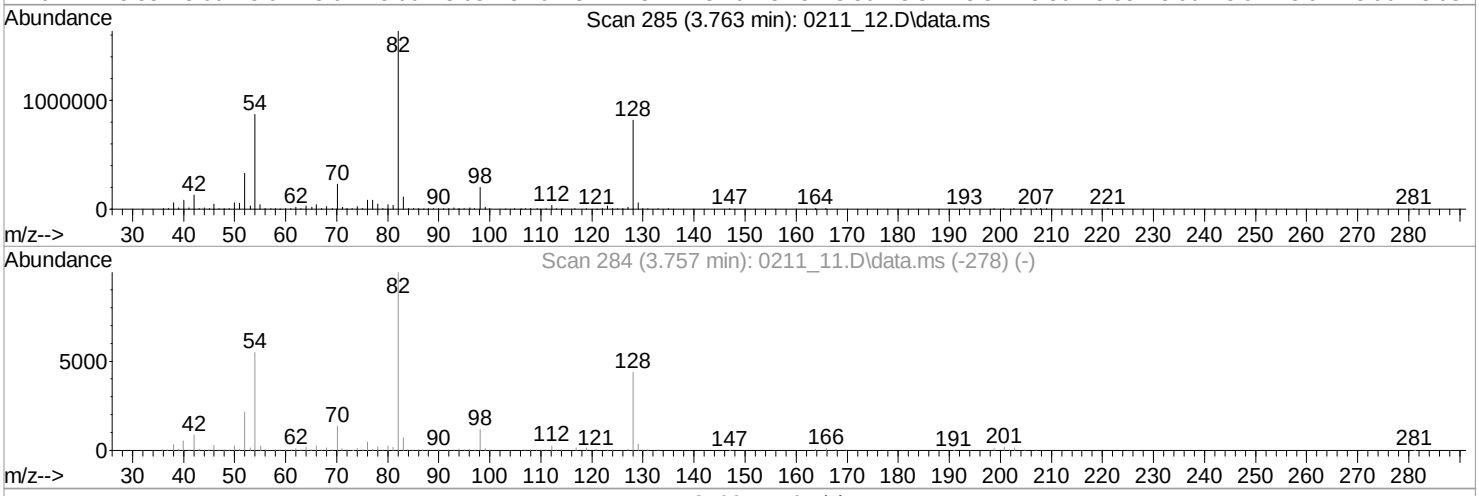
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	49.67
54.10	54.80	52.96
98.10	11.60	11.99

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:21:16 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_12.D\data.ms

(24) Nitrobenzene-d5 (S)

3.763min (+0.006) 17823.8393371 ppb m

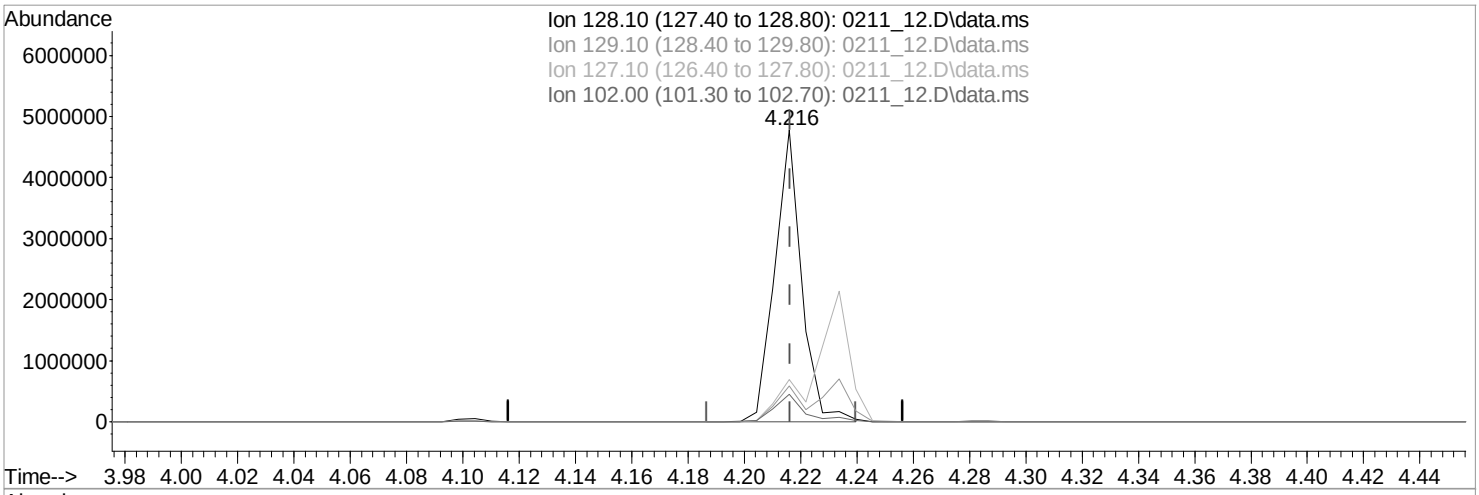
response 1086116

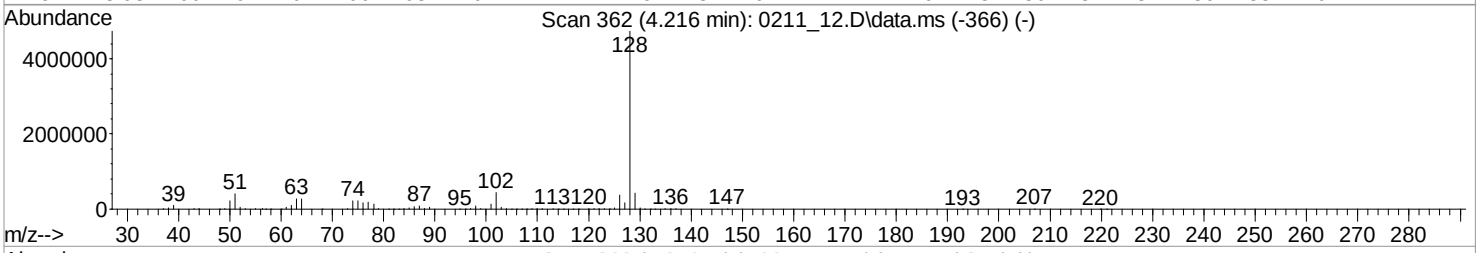
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	49.67
54.10	54.80	52.97
98.10	11.60	11.99

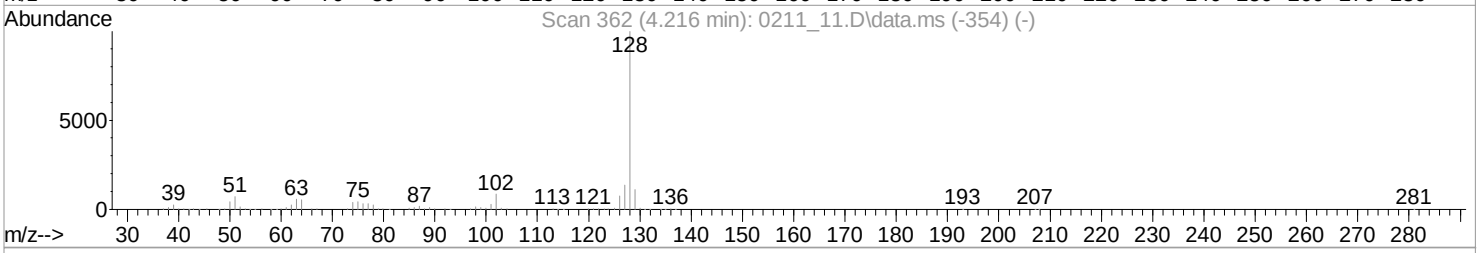
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:21:16 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_12.D\data.ms

(34) Naphthalene (MT)

4.216min (-0.000) 17888.0422526 ppb

Qvalue = 97

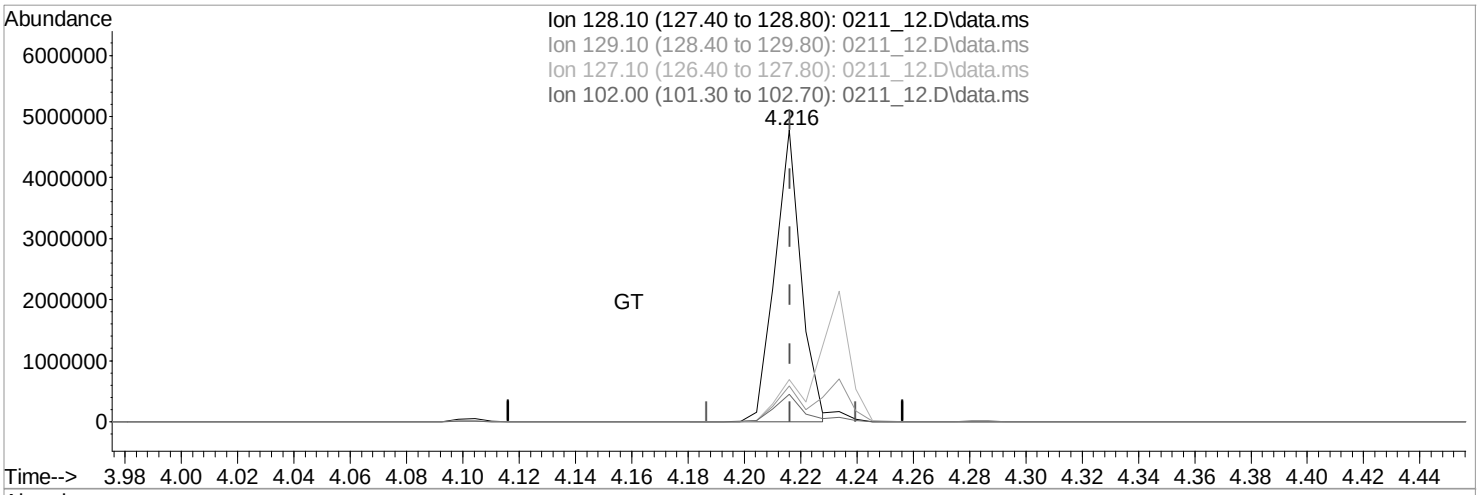
response 3158004

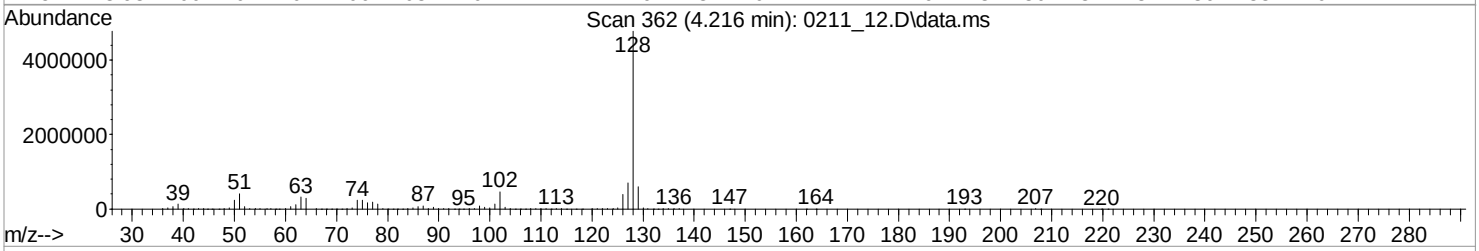
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	12.28
127.10	13.40	14.42
102.00	8.60	9.41

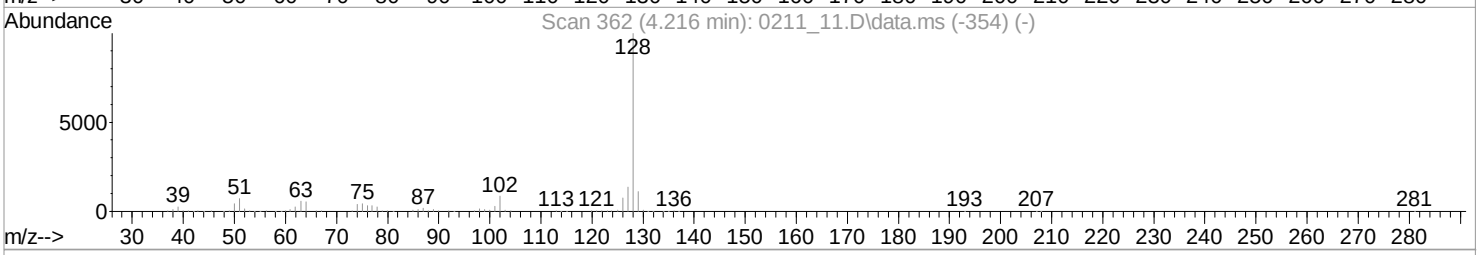
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:21:16 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_12.D\data.ms

(34) Naphthalene (MT)

4.216min (-0.000) 17465.3627371 ppb m

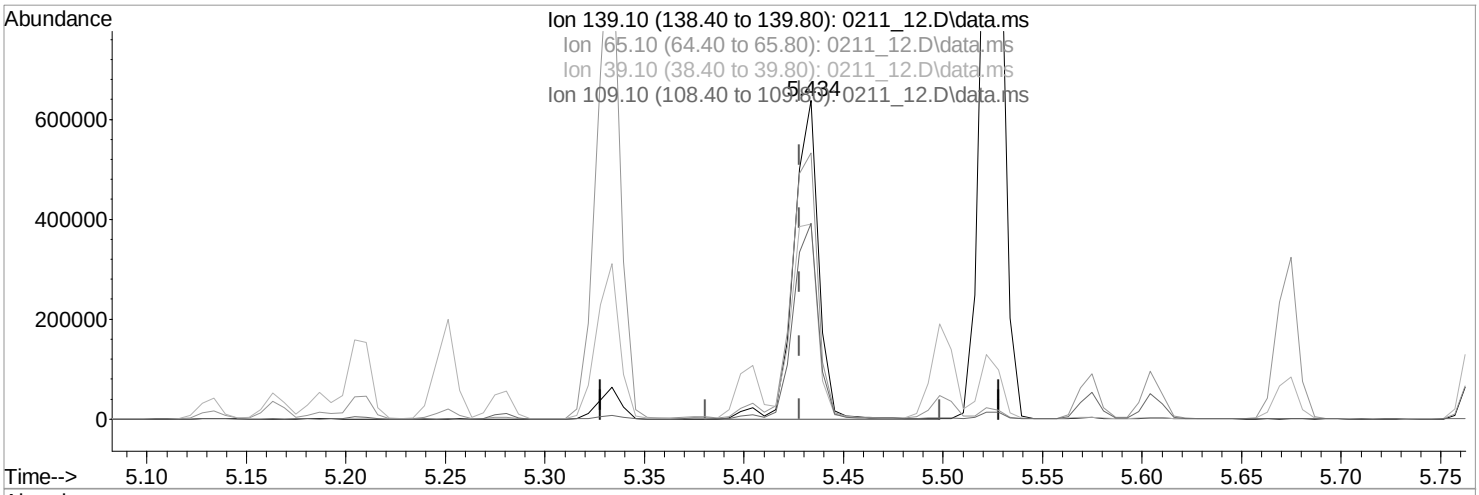
response 3083383

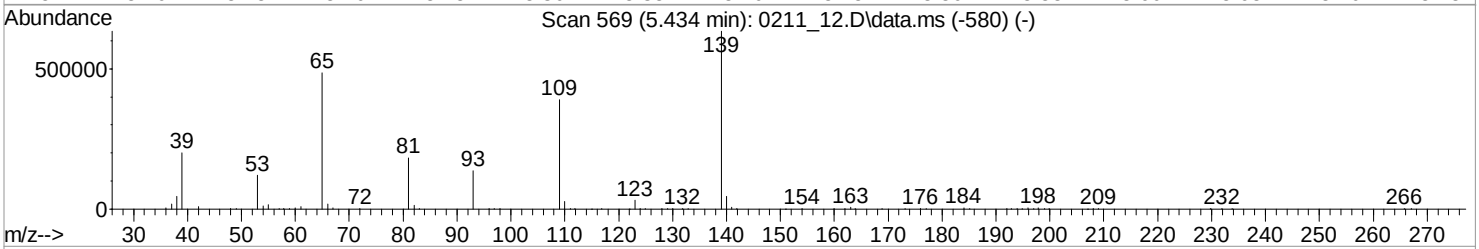
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	12.28
127.10	13.40	14.42
102.00	8.60	9.41

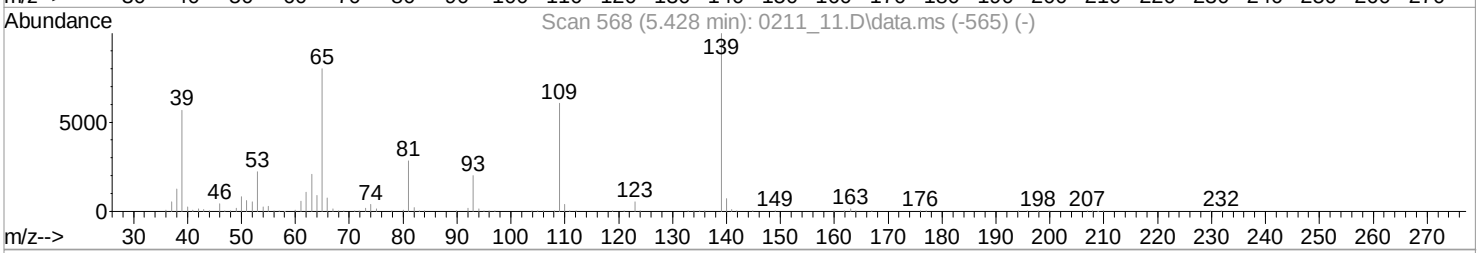
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:21:16 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_12.D\data.ms

(63) 4-Nitrophenol (MPT)

5.434min (+0.006) 25268.9477939 ppb

Qvalue = 98

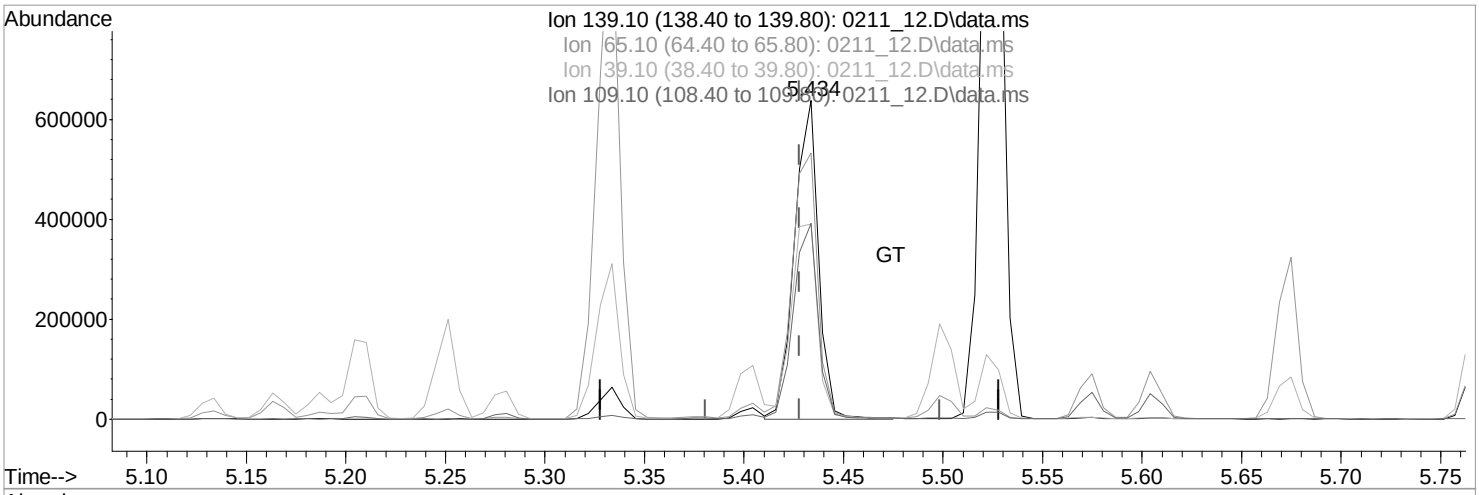
response 554732

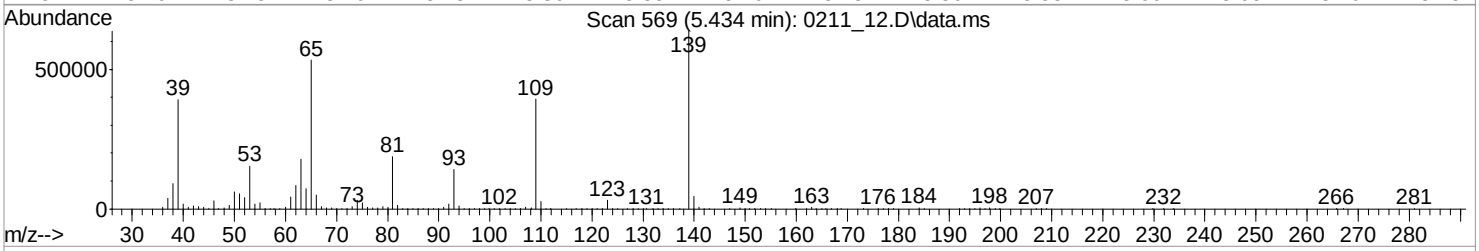
Ion	Exp%	Act%
139.10	100	100
65.10	81.20	82.69
39.10	58.80	61.11
109.10	61.10	61.21

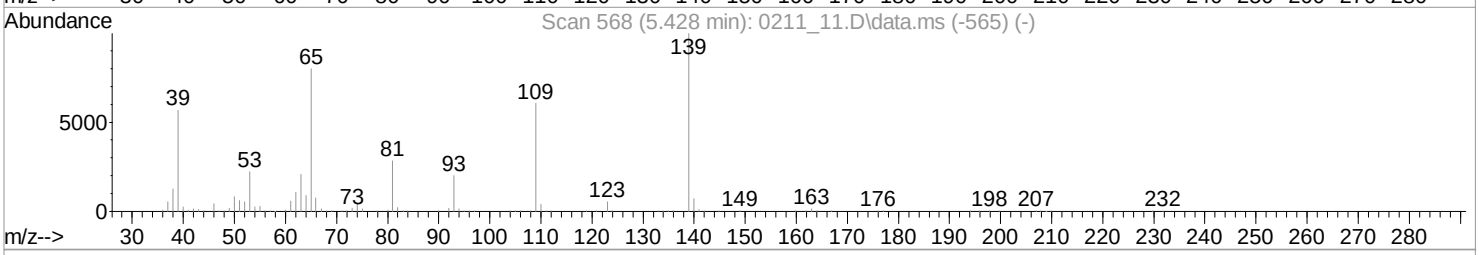
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:21:16 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_12.D\data.ms

(63) 4-Nitrophenol (MPT)

5.434min (+0.006) 24435.8995521 ppb m

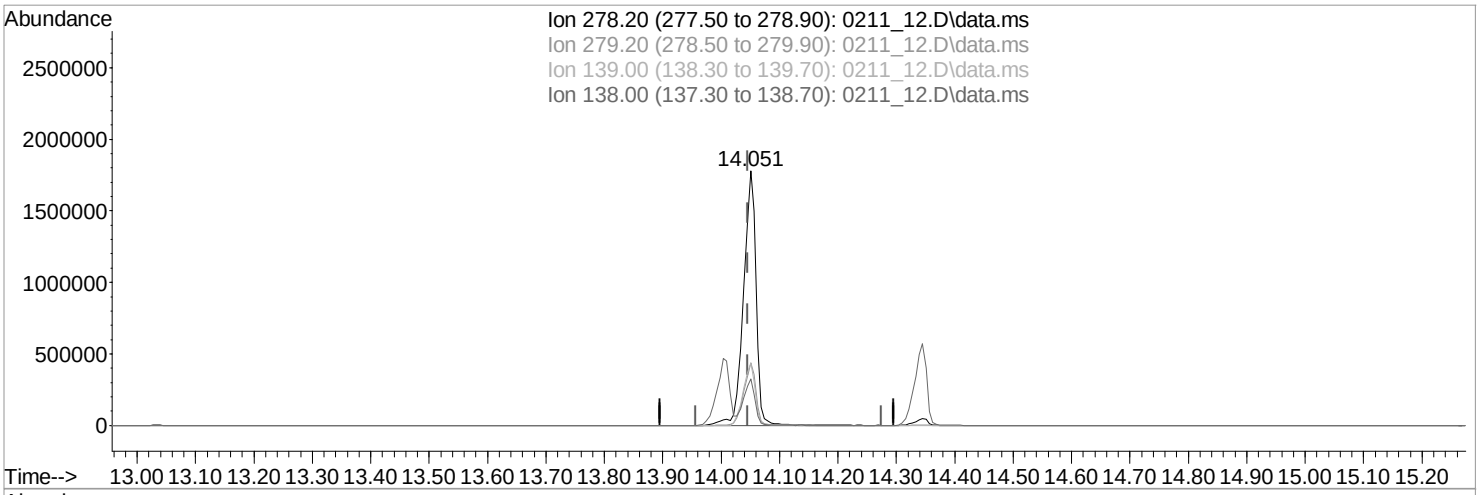
response 536444

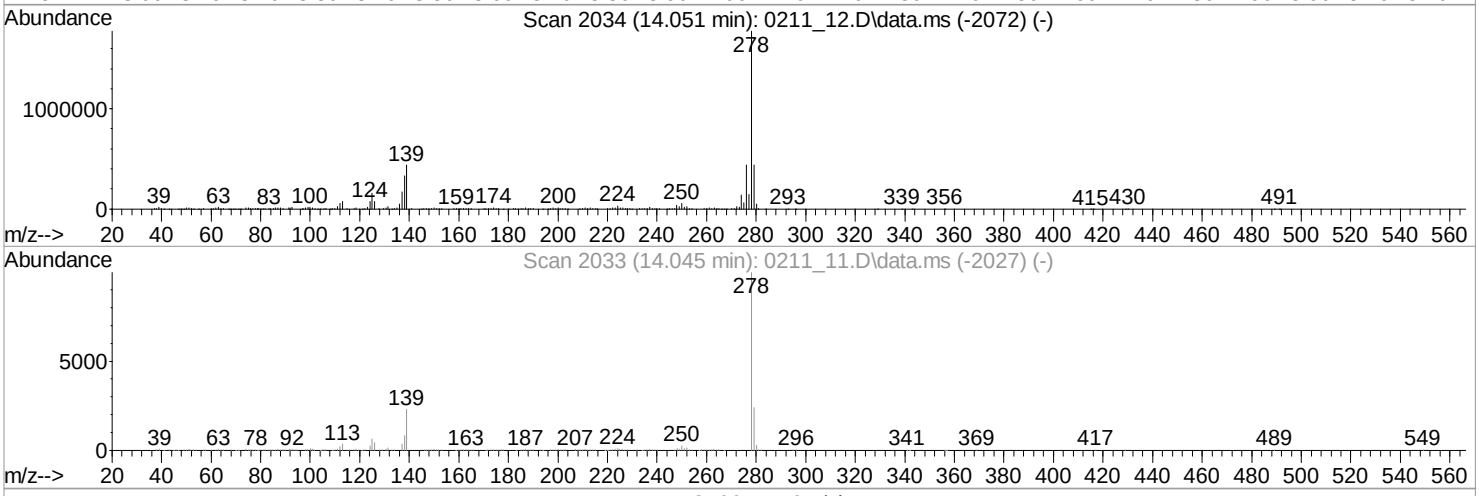
Ion	Exp%	Act%
139.10	100	100
65.10	81.20	83.52
39.10	58.80	61.31
109.10	61.10	61.53

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:21:16 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_12.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

14.051min (+0.006) 19911.2998745 ppb

Qvalue = 96

response 2679658

Ion	Exp%	Act%
278.20	100	100
279.20	23.90	24.58
139.00	22.50	24.48
138.00	15.80	18.37

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 13.D
Acq On : 11 Feb 2022 1:51 pm
Operator : 917
Sample : STD SVMS 30K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 10 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:26 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:23:01 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.451	152	352992	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.204	136	1415889	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.381	164	772907	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.504	188	1333990	8000.0000000 ppb	0.00
84) Chrysene-d12	9.375	240	1115318	8000.0000000 ppb	0.01
94) Perylene-d12	12.110	264	1012581	8000.0000000 ppb	0.01
System Monitoring Compounds					
4) 2-Fluorophenol	2.757	112	1485923	29285.8594825 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 732.15%#		
7) Phenol-d5	3.216	99	1919502	29965.3581145 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 749.13%#		
24) Nitrobenzene-d5	3.763	82	1712841m	27929.3763998 ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 1396.47%#		
50) 2-Fluorobiphenyl	4.892	172	3337154	28860.0008602 ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 1443.00%#		
73) 2,4,6-Tribromophenol	5.963	330	454956	37783.2605526 ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 944.58%#		
87) p-Terphenyl-d14	7.939	244	3983905	29974.2281740 ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 1498.71%#		
Target Compounds					Qvalue
2) Pyridine	2.199	79	1565379	27567.4397675 ppb	98
3) N-Nitrosodimethylamine	2.169	42	920212	28958.9496216 ppb	100
5) Aniline	3.269	66	918080	29558.5851791 ppb	94
6) bis(2-Chloroethyl)ether	3.287	93	1409468	26964.6314217 ppb	94
8) Phenol	3.228	94	1993129	29576.0647642 ppb	98
10) 2-Chlorophenol	3.334	128	1741486	30773.4166285 ppb	95
11) n-Decane	3.340	41	976573	26638.7341664 ppb	97
12) 1,3-Dichlorobenzene	3.422	146	1821545	29347.6546923 ppb	97
13) 1,4-Dichlorobenzene	3.463	146	1848977	28879.8305480 ppb	97
14) Benzyl Alcohol	3.516	79	1359170	30741.6916602 ppb	100
15) 1,2-Dichlorobenzene	3.551	146	1753340	29271.3090484 ppb	93
16) bis(2-Chloroisopropyl)...	3.587	121	588479	29223.8432177 ppb	95
17) 2,2-oxybis(1-chloropro...	3.587	121	588479	29223.8432177 ppb	95
18) 2-Methylphenol	3.563	108	1519734	30308.5660053 ppb	99
19) Hexachloroethane	3.745	117	746144	30049.8703337 ppb	98
20) N-Nitrosodi-n-propylamine	3.669	70	1211263	30960.2150598 ppb	94
21) 3&4-Methyl phenol	3.651	107	1751228	30476.2786599 ppb	98
25) Nitrobenzene	3.775	77	1678210	29803.4566494 ppb	98
26) Isophorone	3.916	82	3147340	30513.0143497 ppb	100
27) 2-Nitrophenol	3.963	139	941769	36049.5417343 ppb	90
28) 2,4-Dimethylphenol	3.969	107	1695805	30951.1489723 ppb	99
29) bis(2-Chlorethoxy)methane	4.028	93	1897342	29378.4531806 ppb	97
30) 2,4-Dichlorophenol	4.104	162	1367518	31749.3161472 ppb	95
32) 1,2,4-Trichlorobenzene	4.163	180	1420845	29897.7761468 ppb	96
34) Naphthalene	4.216	128	4478968m	25207.7402507 ppb	
35) 4-Chloroaniline	4.234	65	614909	29507.0104658 ppb	99
36) Hexachloro-1,3-butadiene	4.287	225	758512	30729.2985962 ppb	95
40) 4-Chloro-3-methylphenol	4.522	107	1466663	31789.0183878 ppb	96
41) 2-Methylnaphthalene	4.657	142	3193963	28351.8662797 ppb	98
42) 1-Methylnaphthalene	4.722	142	3044817	28068.8659808 ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 13.D
Acq On : 11 Feb 2022 1:51 pm
Operator : 917
Sample : STD SVMS 30K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 10 Sample Multiplier: 1
InstName : BNAMS20

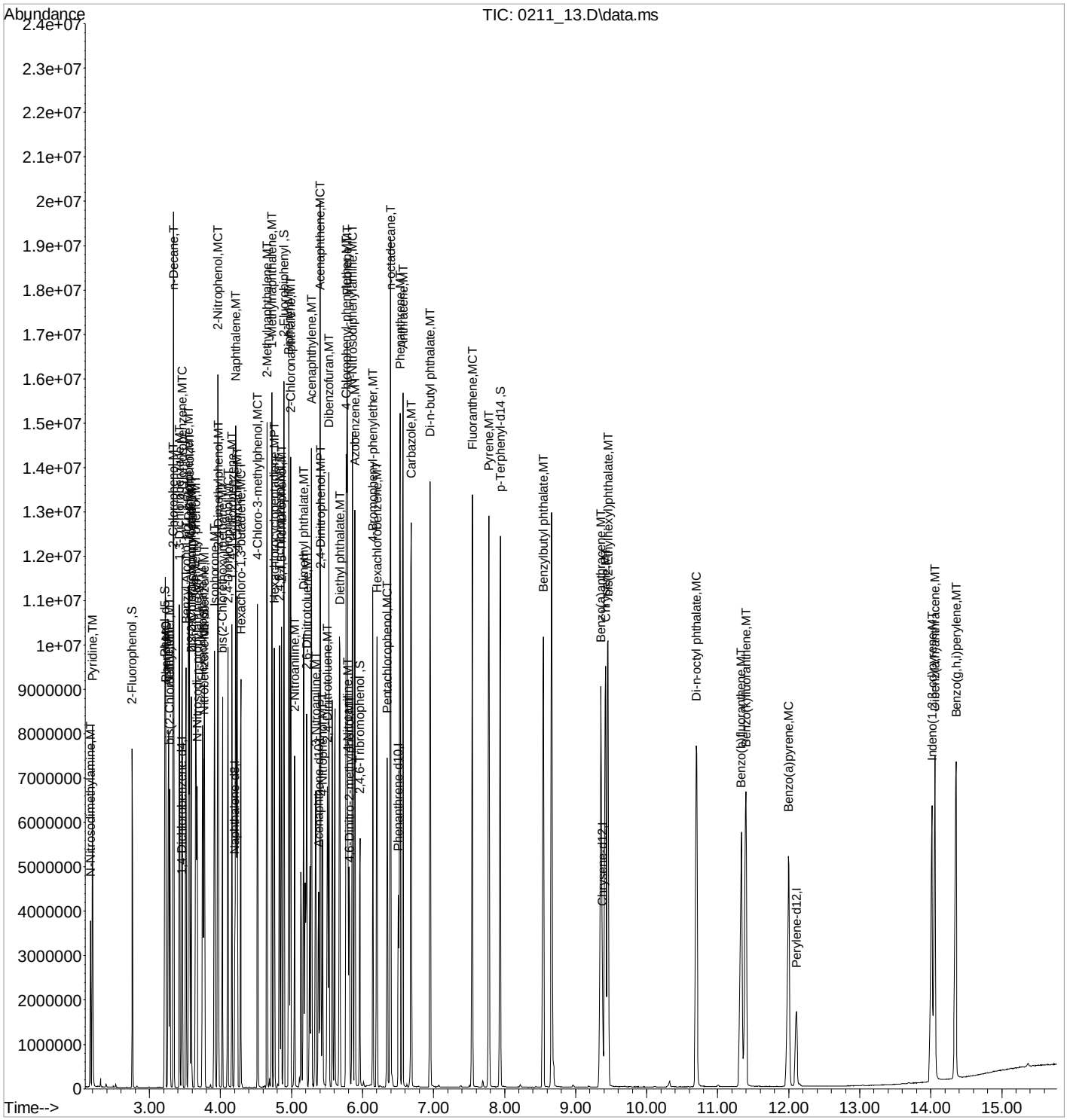
Quant Time: Feb 11 15:24:26 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:23:01 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.757	237	1020953	33835.4924301 ppb		100
48)	2,4,6-Trichlorophenol	4.834	196	994216	34959.0131416 ppb		90
49)	2,4,5-Trichlorophenol	4.857	196	1033068	32929.1968012 ppb		91
51)	Biphenyl	4.963	154	3827769	28239.0054922 ppb		95
52)	2-Chloronaphthalene	4.987	162	3025339	27991.9614950 ppb		94
53)	2-Nitroaniline	5.045	138	1164109	37308.0761011 ppb		99
54)	Acenaphthylene	5.281	152	4487778	27515.0710609 ppb		93
55)	Dimethyl phthalate	5.169	163	3430431	29221.0144142 ppb		94
56)	2,6-Dinitrotoluene	5.210	165	871704	34580.7468912 ppb		97
57)	3-Nitroaniline	5.340	138	1013136	35017.0791344 ppb		98
58)	Acenaphthene	5.404	153	3159854	27398.3880210 ppb		98
59)	2,4-Dinitrophenol	5.410	184	473644	44662.7526624 ppb	#	1
60)	Dibenzofuran	5.528	168	4037352	27493.5004350 ppb		97
61)	2,4-Dinitrotoluene	5.504	165	1131268	35782.7916550 ppb		88
63)	4-Nitrophenol	5.439	139	832152	36103.7470875 ppb		98
64)	Fluorene	5.781	166	3616936	28085.3403244 ppb		98
65)	4-Chlorophenyl-phenyle...	5.769	204	1621900	29999.6252952 ppb		91
66)	Diethyl phthalate	5.681	149	3539295	29310.4895089 ppb		95
67)	4-Nitroaniline	5.792	138	1101214	35918.0105236 ppb		99
68)	Azobenzene	5.892	77	3569970	28443.5925767 ppb		96
71)	4,6-Dinitro-2-methylph...	5.816	198	589796	45627.2608158 ppb	#	76
72)	N-Nitrosodiphenylamine	5.857	169	3094101	30550.9678122 ppb		98
74)	4-Bromophenyl-phenylether	6.145	248	899403	32270.6707826 ppb		90
75)	Hexachlorobenzene	6.204	284	1008463	31476.7808959 ppb		100
76)	n-octadecane	6.392	55	606039	29054.8910823 ppb		99
77)	Pentachlorophenol	6.345	266	618634	40315.5131053 ppb		94
78)	Phenanthrene	6.528	178	4816122	25431.1422087 ppb		96
79)	Anthracene	6.569	178	4908936	26983.8619023 ppb		93
80)	Carbazole	6.686	167	4706074	28682.1492341 ppb		97
81)	Di-n-butyl phthalate	6.951	149	5582516	29376.6716295 ppb		93
83)	Fluoranthene	7.545	202	4978386	27412.7755891 ppb		95
86)	Pyrene	7.781	202	5113857	27287.9320516 ppb		95
88)	Benzylbutyl phthalate	8.545	149	2707478	36426.7754066 ppb		98
90)	Benzo(a)anthracene	9.357	228	4725838	26684.4883833 ppb		99
91)	Chrysene	9.422	228	4556279	24282.7341265 ppb		98
92)	bis(2-Ethylhexyl)phtha...	9.457	149	3863110	37111.2428769 ppb		99
93)	Di-n-octyl phthalate	10.698	149	6090057	38556.9366803 ppb		99
95)	Benzo(b)fluoranthene	11.333	252	4296654	29580.4624056 ppb		98
96)	Benzo(k)fluoranthene	11.398	252	4390652	29868.7540170 ppb		99
97)	Benzo(a)pyrene	11.998	252	3767938	32209.3301057 ppb		99
98)	Indeno(1,2,3-cd)pyrene	14.015	276	3583241	30677.4893292 ppb		99
99)	Dibenz(a,h)anthracene	14.062	278	3865942m	29738.4493855 ppb		
100)	Benzo(g,h,i)perylene	14.357	276	3833598	28429.3076214 ppb		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 13.D
Acq On : 11 Feb 2022 1:51 pm
Operator : 917
Sample : STD SVMS 30K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 10 Sample Multiplier: 1
InstName : BNAMS20

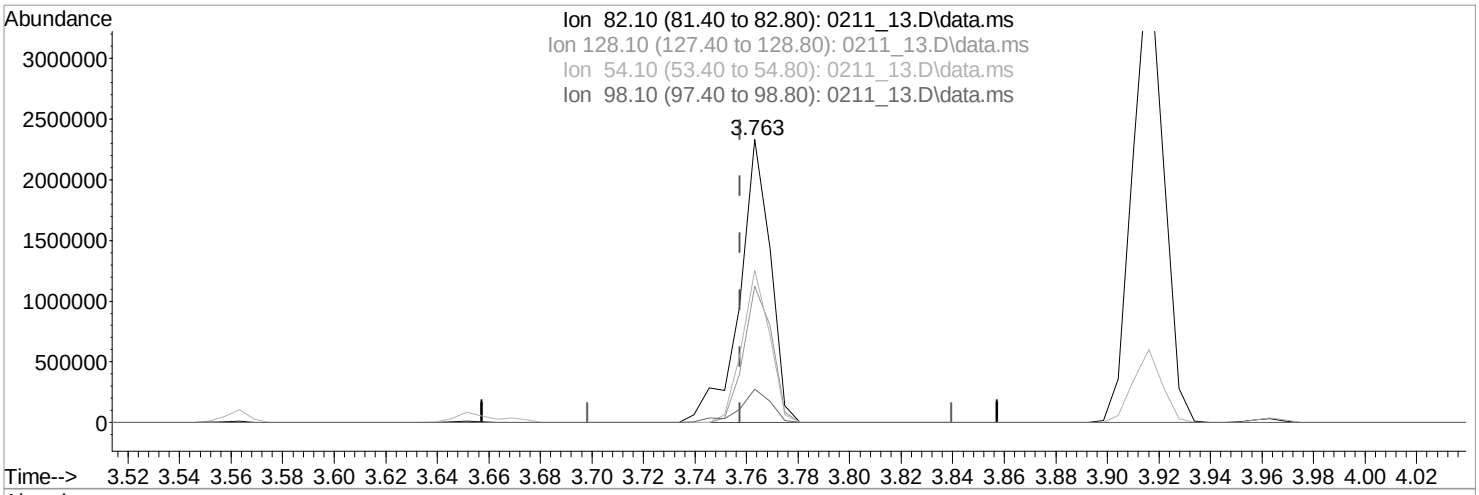
Quant Time: Feb 11 15:24:26 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:23:01 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

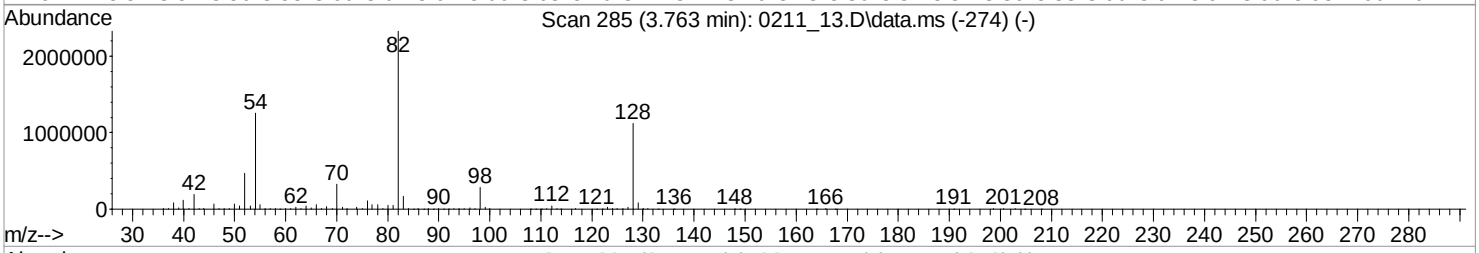


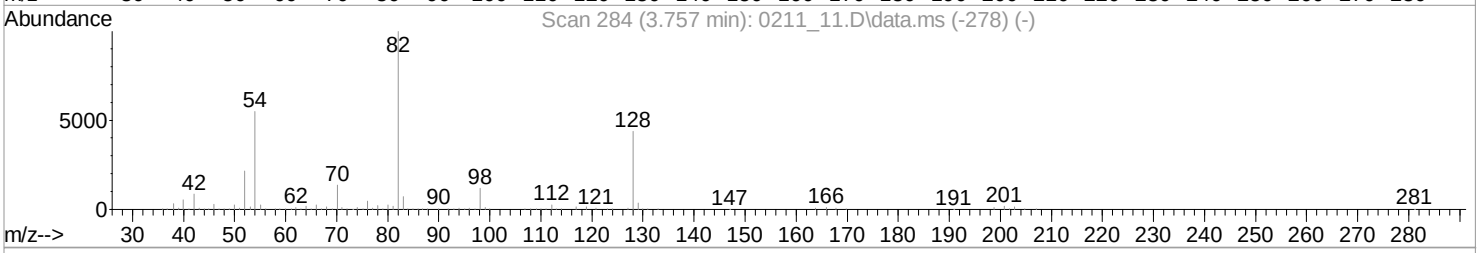
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 13.D
Acq On : 11 Feb 2022 1:51 pm
Operator : 917
Sample : STD SVMS 30K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 10 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:23:15 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:23:01 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_13.D\data.ms

(24) Nitrobenzene-d5 (S)

3.763min (+0.006) 31503.8368364 ppb

Qvalue = 96

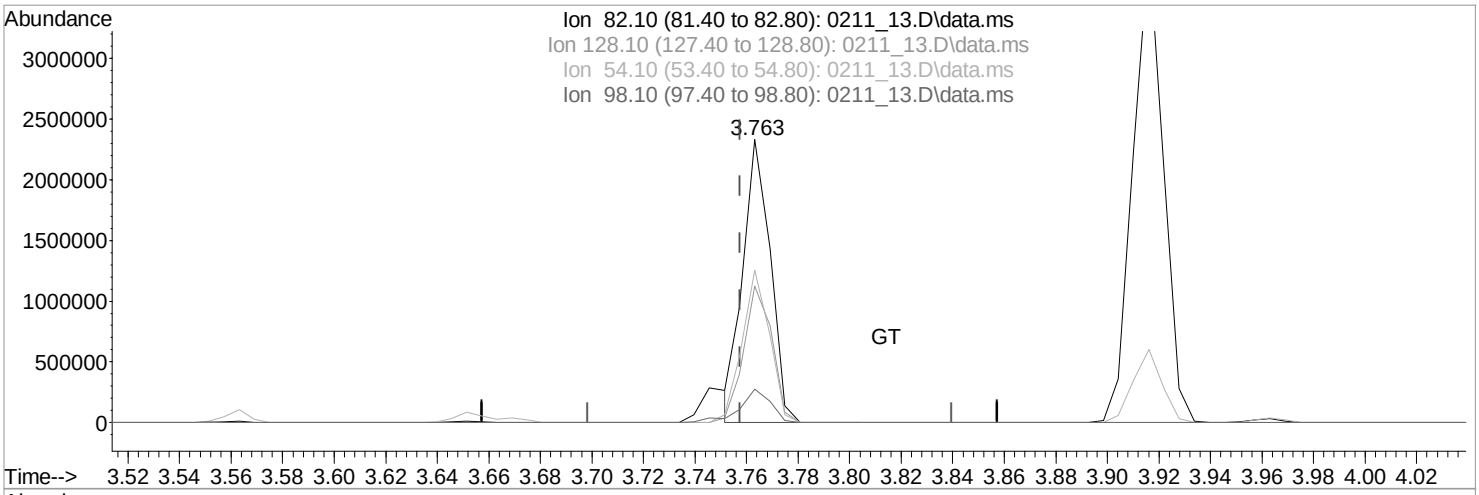
response 1932054

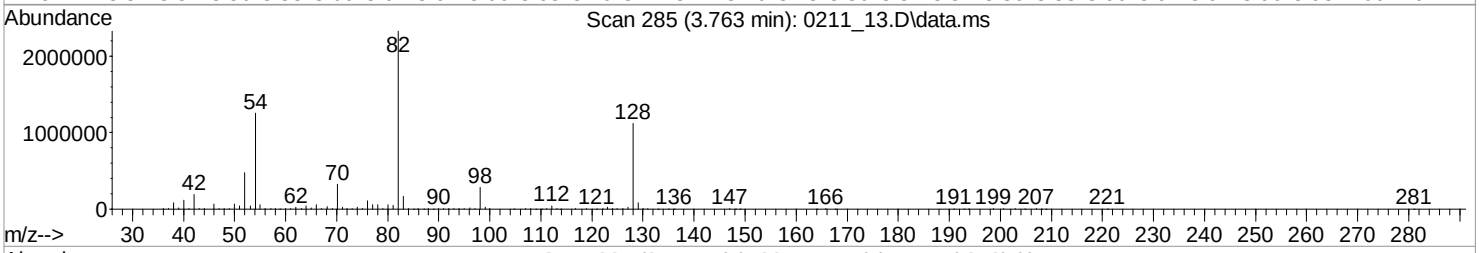
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	48.15
54.10	54.80	53.80
98.10	11.60	11.89

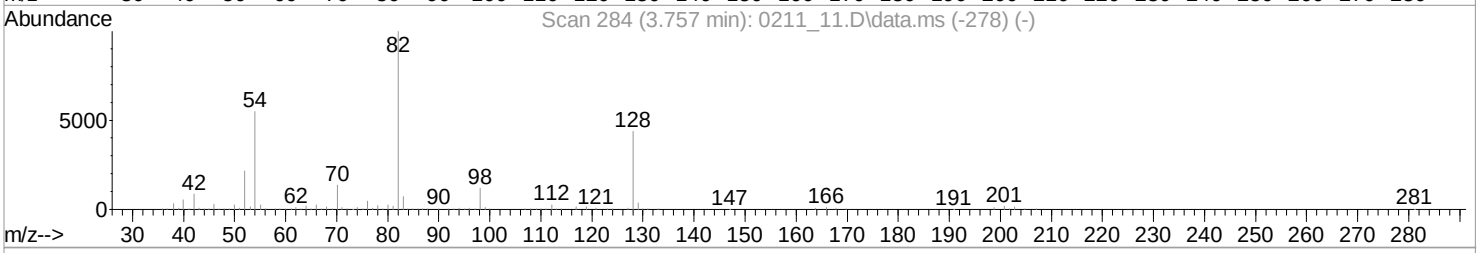
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 13.D
Acq On : 11 Feb 2022 1:51 pm
Operator : 917
Sample : STD SVMS 30K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 10 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:23:15 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:23:01 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_13.D\data.ms

(24) Nitrobenzene-d5 (S)

3.763min (+0.006) 27929.3763998 ppb m

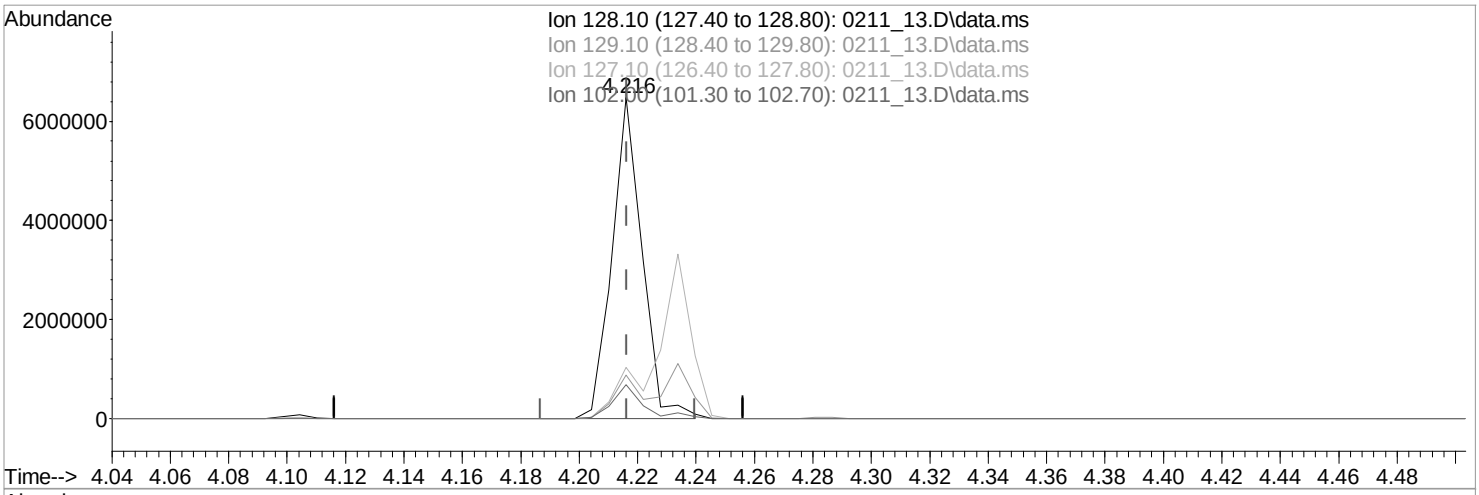
response 1712841

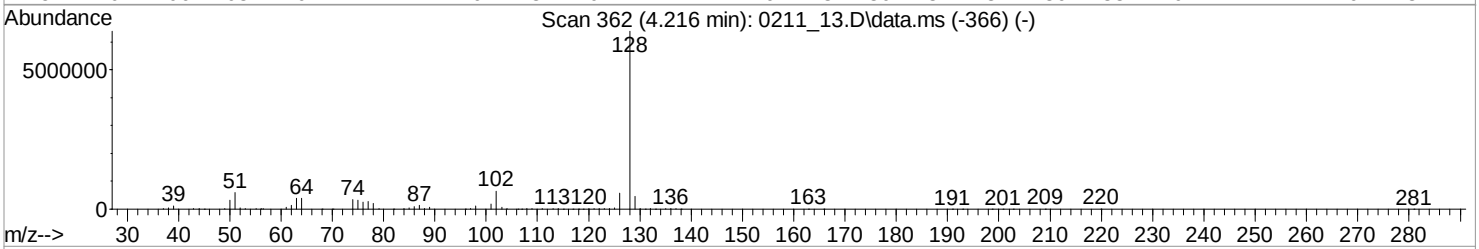
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	48.15
54.10	54.80	53.81
98.10	11.60	11.89

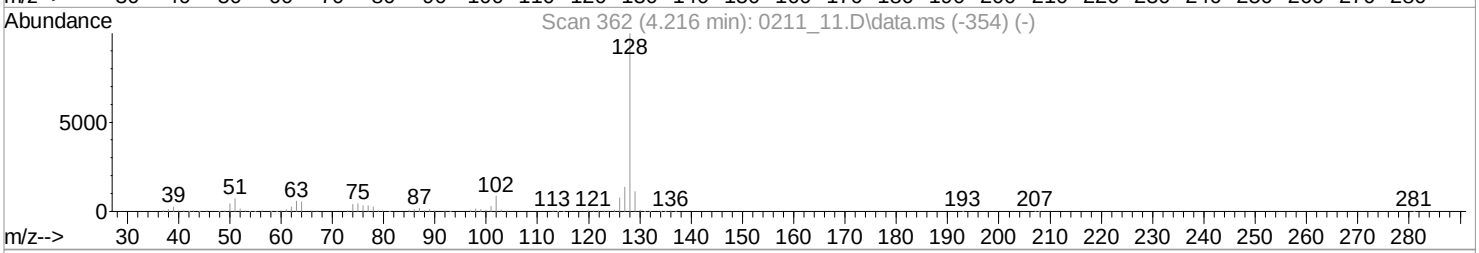
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 13.D
Acq On : 11 Feb 2022 1:51 pm
Operator : 917
Sample : STD SVMS 30K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 10 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:23:15 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:23:01 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_13.D\data.ms

(34) Naphthalene (MT)

4.216min (-0.000) 25964.4337310 ppb

Qvalue = 94

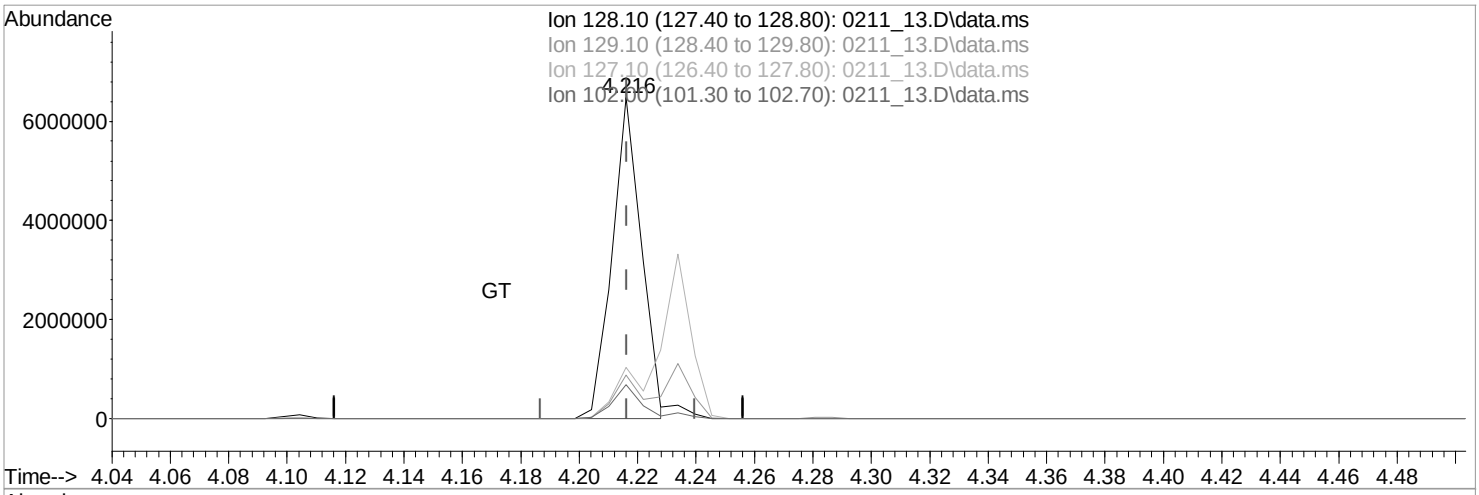
response 4613419

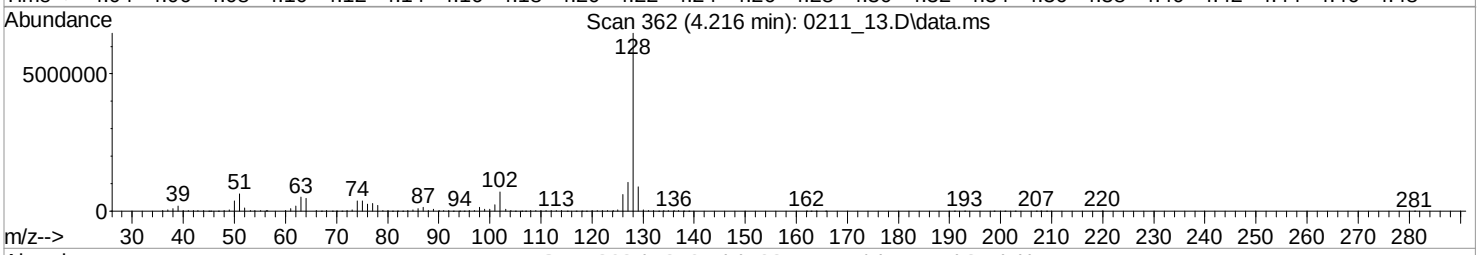
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	13.53
127.10	13.40	16.05
102.00	8.60	10.56

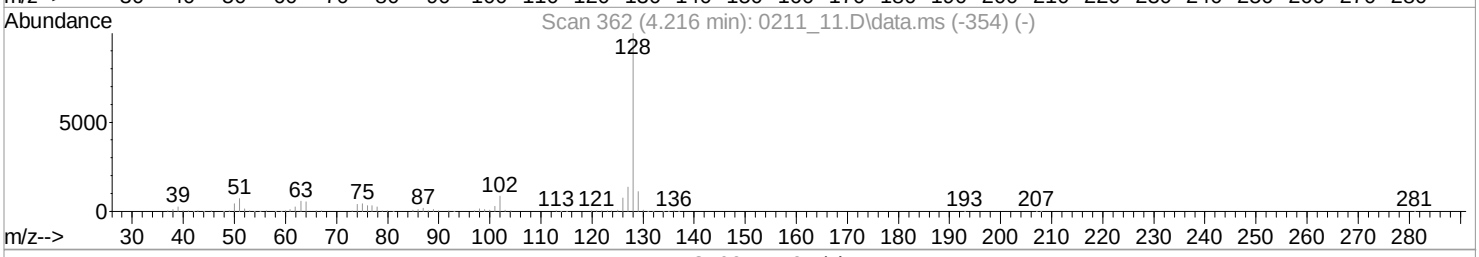
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 13.D
Acq On : 11 Feb 2022 1:51 pm
Operator : 917
Sample : STD SVMS 30K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 10 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:23:15 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:23:01 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_13.D\data.ms

(34) Naphthalene (MT)

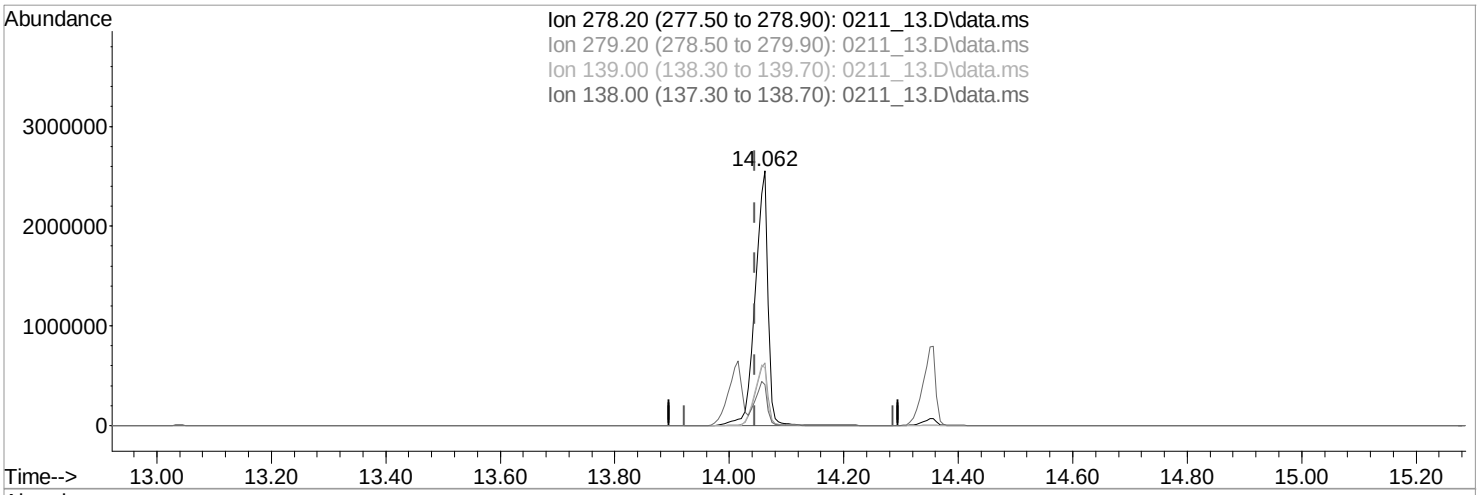
4.216min (-0.000) 25207.7402507 ppb m

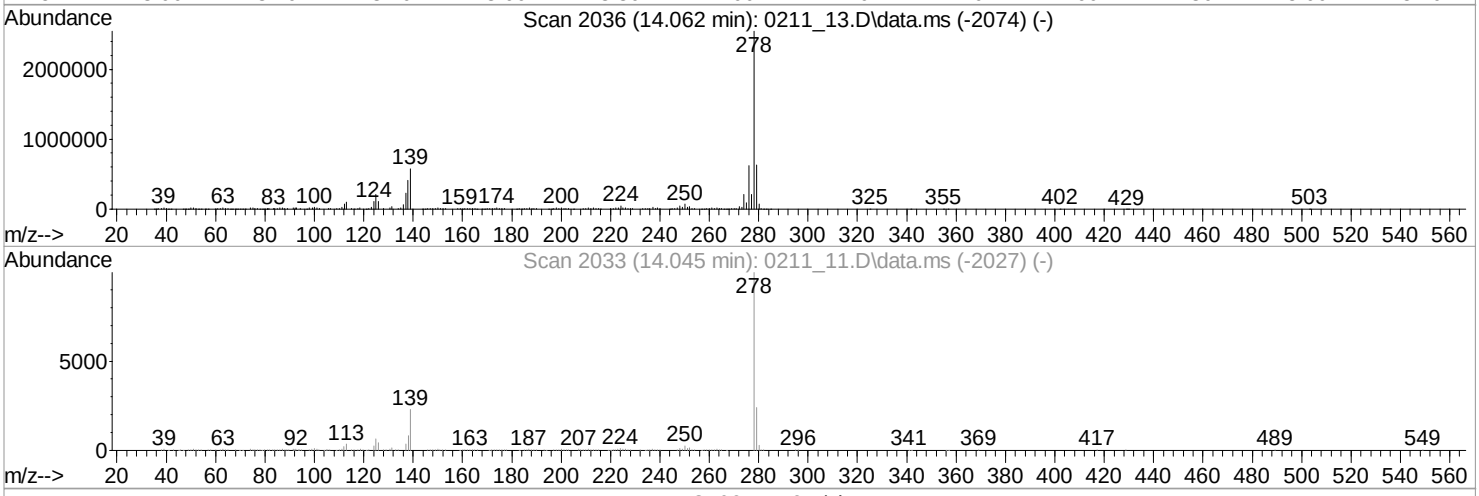
response 4478968

Ion	Exp%	Act%
128.10	100	100
129.10	11.10	13.54
127.10	13.40	16.05
102.00	8.60	10.56

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 13.D
Acq On : 11 Feb 2022 1:51 pm
Operator : 917
Sample : STD SVMS 30K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 10 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:23:15 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:23:01 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_13.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

14.062min (+0.018) 30598.6696318 ppb

Qvalue = 99

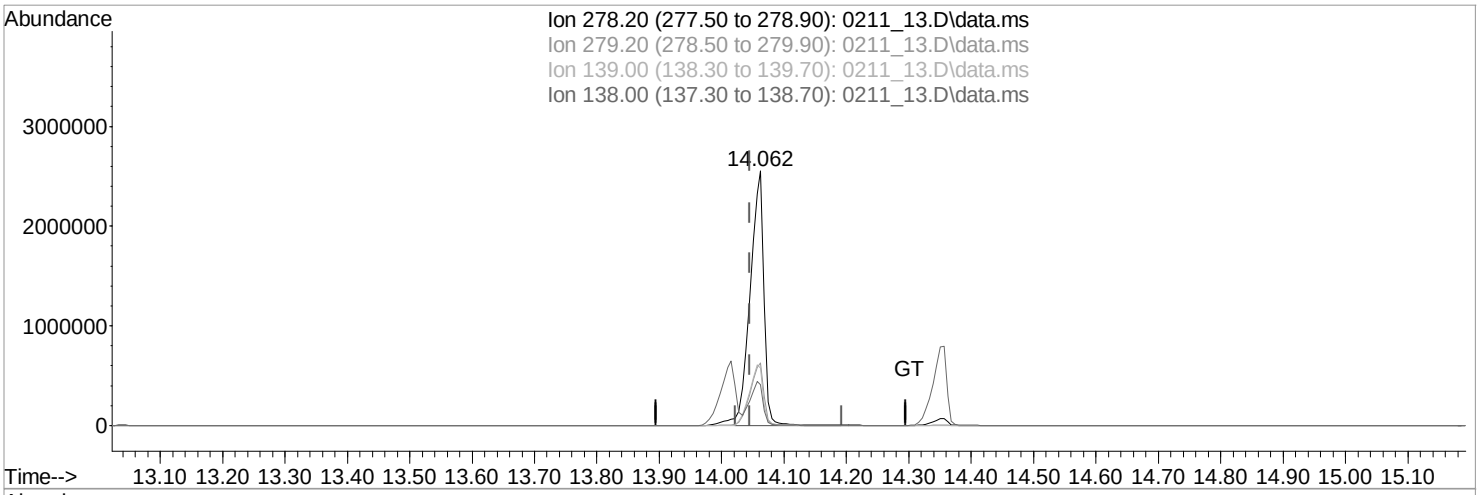
response 3977769

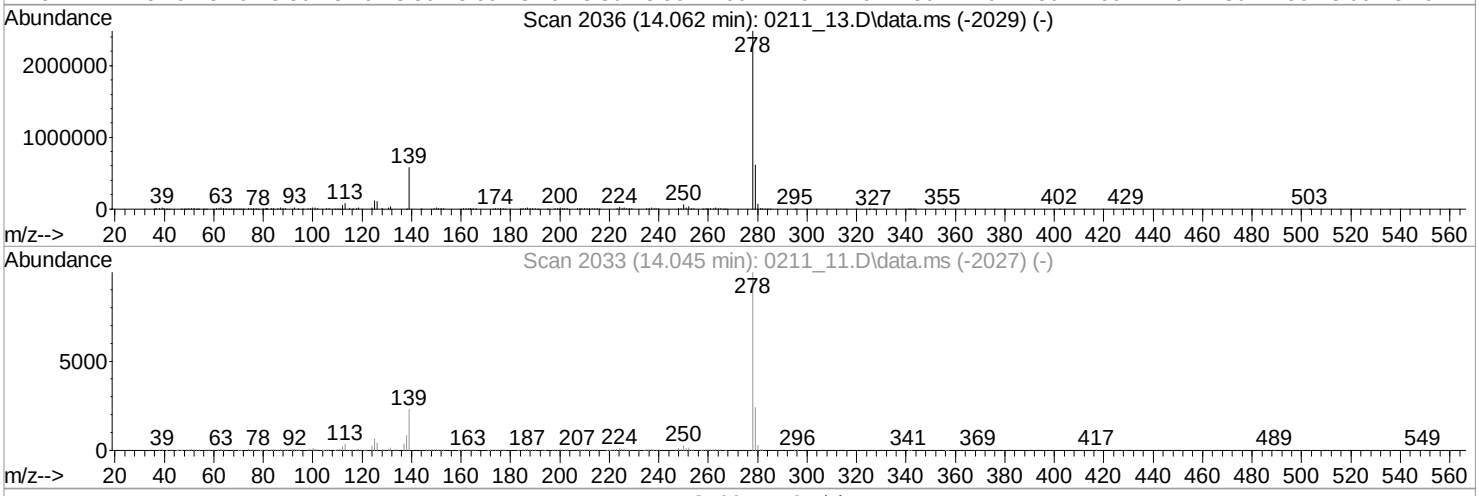
Ion	Exp%	Act%
278.20	100	100
279.20	23.90	24.50
139.00	22.50	22.64
138.00	15.80	16.14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 13.D
Acq On : 11 Feb 2022 1:51 pm
Operator : 917
Sample : STD SVMS 30K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 10 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:23:15 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:23:01 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_13.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

14.062min (+0.018) 29738.4493855 ppb m

response 3865942

Ion	Exp%	Act%
278.20	100	100
279.20	23.90	24.50
139.00	22.50	22.64
138.00	15.80	16.14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:26:18 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.451	152	349668	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.204	136	1413240	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.381	164	772695	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.510	188	1308595	8000.0000000 ppb	0.00
84) Chrysene-d12	9.375	240	1101057	8000.0000000 ppb	0.01
94) Perylene-d12	12.104	264	981538	8000.0000000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.757	112	1953916	39008.2026913 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 975.21%#		
7) Phenol-d5	3.222	99	2540783	40047.8402074 ppb	0.01
Spiked Amount 4000.000	Range 10 - 120		Recovery = 1001.20%#		
24) Nitrobenzene-d5	3.763	82	2279743m	37613.7652800 ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 1880.69%#		
50) 2-Fluorobiphenyl	4.893	172	4285799	37276.4931156 ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 1863.82%#		
73) 2,4,6-Tribromophenol	5.963	330	622527	50819.4949952 ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 1270.49%#		
87) p-Terphenyl-d14	7.939	244	5071128	38653.2324194 ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 1932.66%#		
Target Compounds					Qvalue
2) Pyridine	2.199	79	2065936	37158.8987021 ppb	99
3) N-Nitrosodimethylamine	2.169	42	1205995	38504.1651901 ppb	99
5) Aniline	3.269	66	1209440	39392.2016678 ppb	98
6) bis(2-Chloroethyl)ether	3.293	93	1965475	38515.8002708 ppb	99
8) Phenol	3.228	94	2610626	39186.4775003 ppb	93
10) 2-Chlorophenol	3.340	128	2306271	40990.0548858 ppb	96
11) n-Decane	3.340	41	1259618	35250.4174586 ppb	97
12) 1,3-Dichlorobenzene	3.422	146	2377785	38794.1505731 ppb	97
13) 1,4-Dichlorobenzene	3.463	146	2403754	38105.2586092 ppb	95
14) Benzyl Alcohol	3.516	79	1796764	40881.1238085 ppb	100
15) 1,2-Dichlorobenzene	3.551	146	2310565	39076.2403270 ppb	95
16) bis(2-Chloroisopropyl)...	3.587	121	781993	39348.3311767 ppb	99
17) 2,2-oxybis(1-chloropro...	3.587	121	781993	39348.3311767 ppb	99
18) 2-Methylphenol	3.563	108	2019052	40589.7727118 ppb	99
19) Hexachloroethane	3.746	117	993487	40382.0154233 ppb	96
20) N-Nitrosodi-n-propylamine	3.675	70	1587306	40771.2366179 ppb	92
21) 3&4-Methyl phenol	3.657	107	2291778	40171.3938620 ppb	98
25) Nitrobenzene	3.775	77	2212551	39403.3879697 ppb	99
26) Isophorone	3.922	82	4129859	40015.6898007 ppb	98
27) 2-Nitrophenol	3.963	139	1261206	47013.2871146 ppb	85
28) 2,4-Dimethylphenol	3.969	107	2218570	40385.4276837 ppb	98
29) bis(2-Chlorethoxy)methane	4.028	93	2469811	38427.9856818 ppb	98
30) 2,4-Dichlorophenol	4.104	162	1825879	42119.5655169 ppb	98
32) 1,2,4-Trichlorobenzene	4.163	180	1871486	39473.3067270 ppb	98
34) Naphthalene	4.216	128	5572639m	32061.9390621 ppb	
35) 4-Chloroaniline	4.234	65	809255	38997.2312792 ppb	98
36) Hexachloro-1,3-butadiene	4.287	225	1034123	41828.2840648 ppb	97
40) 4-Chloro-3-methylphenol	4.522	107	1936041	41686.0241382 ppb	93
41) 2-Methylnaphthalene	4.657	142	4046498	36235.7348187 ppb	97
42) 1-Methylnaphthalene	4.722	142	3920316	36501.1604126 ppb	98

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

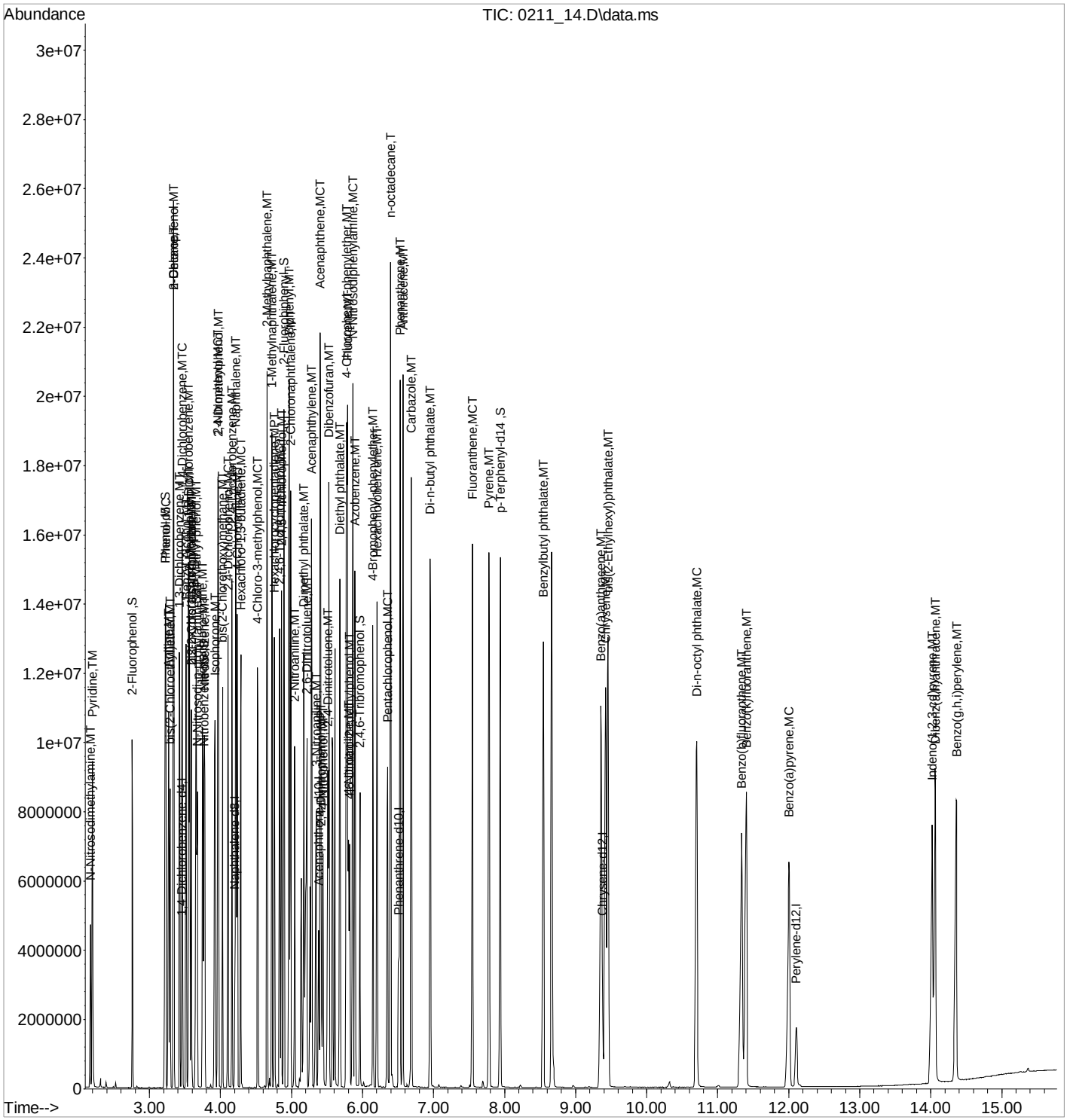
Quant Time: Feb 11 15:26:18 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.757	237	1374817	44757.9604041 ppb		99
48)	2,4,6-Trichlorophenol	4.834	196	1311649	45069.0934669 ppb		92
49)	2,4,5-Trichlorophenol	4.857	196	1415147	44499.6915810 ppb		94
51)	Biphenyl	4.969	154	4768054	35483.0705412 ppb		92
52)	2-Chloronaphthalene	4.987	162	3915151	36540.6185458 ppb		92
53)	2-Nitroaniline	5.045	138	1545738	47885.9003232 ppb		98
54)	Acenaphthylene	5.281	152	5663957	35099.2979021 ppb		90
55)	Dimethyl phthalate	5.175	163	4433215	37913.9055707 ppb		94
56)	2,6-Dinitrotoluene	5.216	165	1150348	44672.7052391 ppb		88
57)	3-Nitroaniline	5.345	138	1333944	45041.7487229 ppb		95
58)	Acenaphthene	5.404	153	4085721	35824.4322794 ppb		96
59)	2,4-Dinitrophenol	5.416	184	660169	57578.1035403 ppb	#	1
60)	Dibenzofuran	5.528	168	5157684	35556.7524457 ppb		94
61)	2,4-Dinitrotoluene	5.510	165	1499211	46162.9020675 ppb		91
63)	4-Nitrophenol	5.445	139	1102414	46491.1696804 ppb		98
64)	Fluorene	5.787	166	4615679	36138.6720164 ppb		97
65)	4-Chlorophenyl-phenyle...	5.775	204	2143296	39654.6228247 ppb		93
66)	Diethyl phthalate	5.681	149	4533963	37681.8069829 ppb		93
67)	4-Nitroaniline	5.804	138	1426024	45249.8295321 ppb		99
68)	Azobenzene	5.893	77	4538648	36441.5019358 ppb		95
71)	4,6-Dinitro-2-methylph...	5.816	198	814112	59756.0348370 ppb		88
72)	N-Nitrosodiphenylamine	5.863	169	3952492	39679.9262392 ppb		95
74)	4-Bromophenyl-phenylether	6.145	248	1192802	43161.7097042 ppb		86
75)	Hexachlorobenzene	6.204	284	1330158	42027.8810302 ppb		98
76)	n-octadecane	6.392	55	783895	38484.2345163 ppb		98
77)	Pentachlorophenol	6.351	266	847784	53684.0356822 ppb		98
78)	Phenanthrene	6.528	178	5979953	32814.1233866 ppb		90
79)	Anthracene	6.569	178	6091312	34567.4518841 ppb		88
80)	Carbazole	6.687	167	5918266	37002.3009750 ppb		95
81)	Di-n-butyl phthalate	6.951	149	6739149	36259.0141028 ppb		91
83)	Fluoranthene	7.545	202	6234904	35379.2554343 ppb		93
86)	Pyrene	7.781	202	6425547	35128.2608646 ppb		92
88)	Benzylbutyl phthalate	8.545	149	3527612	46648.0847937 ppb		98
90)	Benzo(a)anthracene	9.357	228	6109656	35434.5696778 ppb		97
91)	Chrysene	9.422	228	5900274	32630.1689153 ppb		96
92)	bis(2-Ethylhexyl)phtha...	9.457	149	5020497	47254.2665639 ppb		98
93)	Di-n-octyl phthalate	10.704	149	7879424	48553.3549820 ppb		98
95)	Benzo(b)fluoranthene	11.339	252	5590983m	39778.2110074 ppb		
96)	Benzo(k)fluoranthene	11.404	252	5583251	39204.4585969 ppb		99
97)	Benzo(a)pyrene	12.004	252	4864406	42506.0539630 ppb		98
98)	Indeno(1,2,3-cd)pyrene	14.021	276	4650426m	40957.6432152 ppb		
99)	Dibenz(a,h)anthracene	14.068	278	5038130m	40024.7438495 ppb		
100)	Benzo(g,h,i)perylene	14.363	276	4895523	37699.2811027 ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

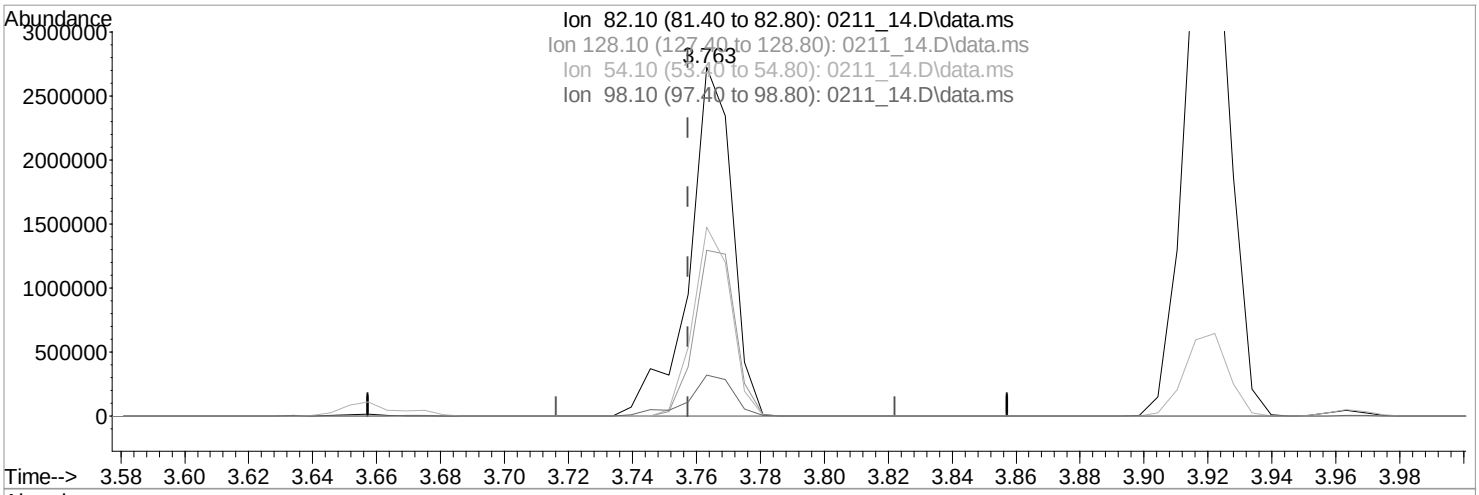
Quant Time: Feb 11 15:26:18 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

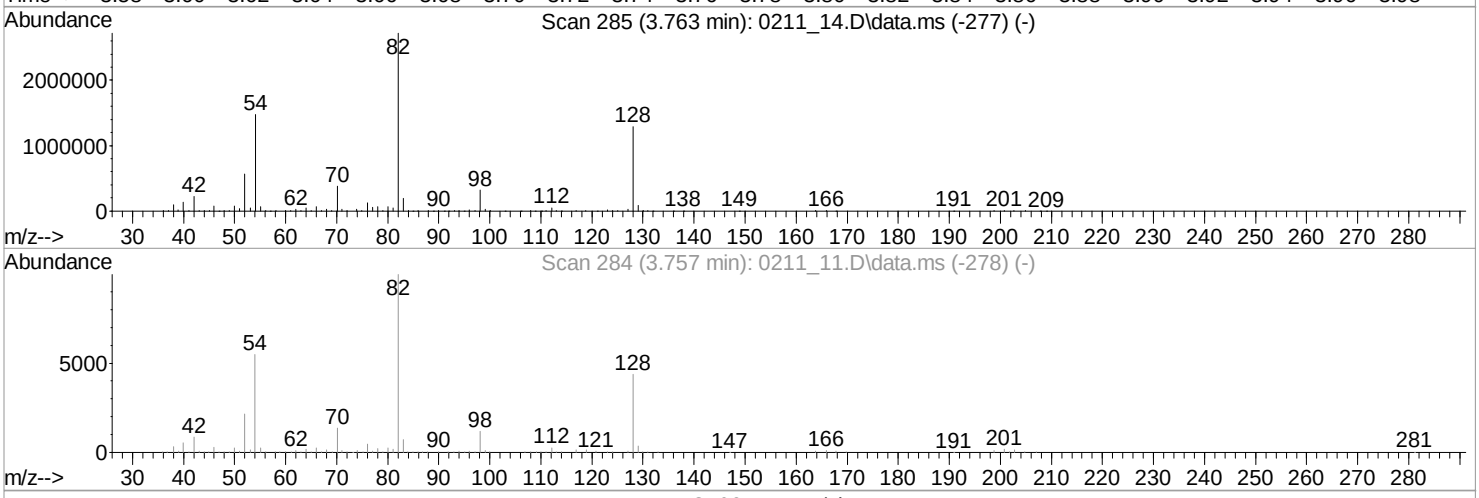


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:37 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_14.D\data.ms

(24) Nitrobenzene-d5 (S)

3.763min (+0.006) 42014.4284640 ppb

Qvalue = 97

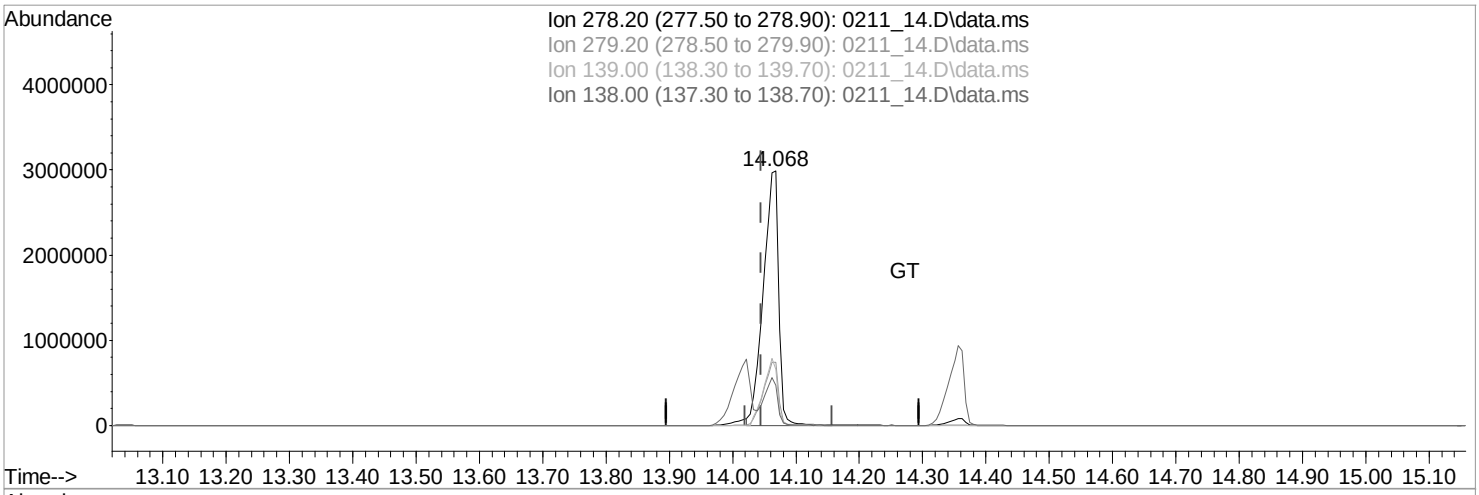
response 2546464

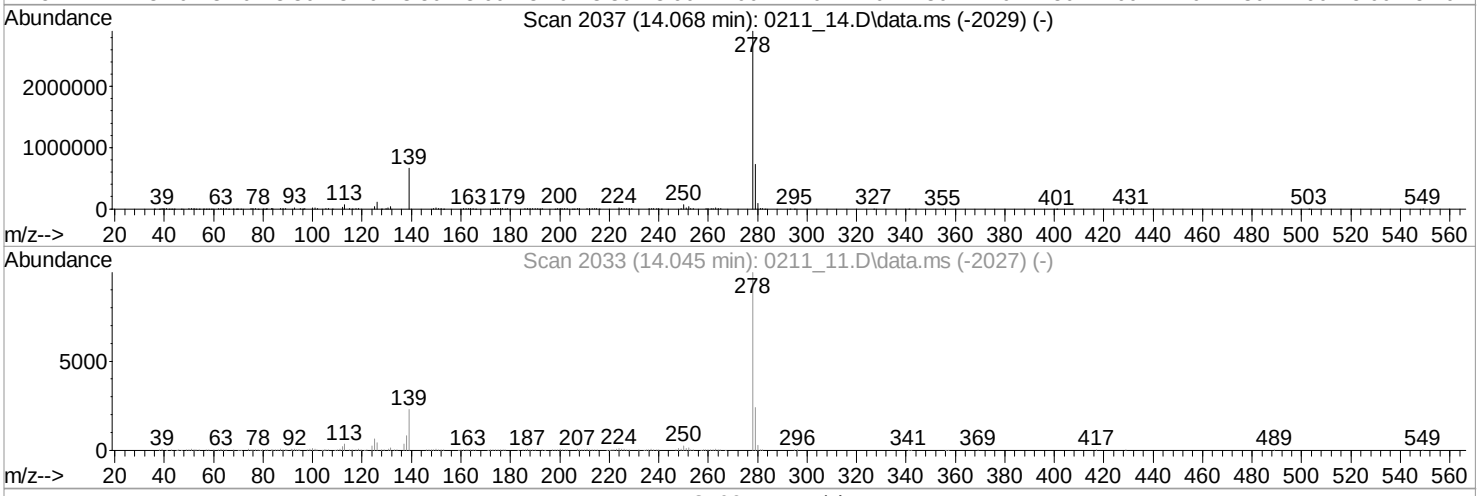
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	47.45
54.10	54.80	54.11
98.10	11.60	11.69

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:37 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_14.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

14.068min (+0.024) 40024.7438495 ppb m

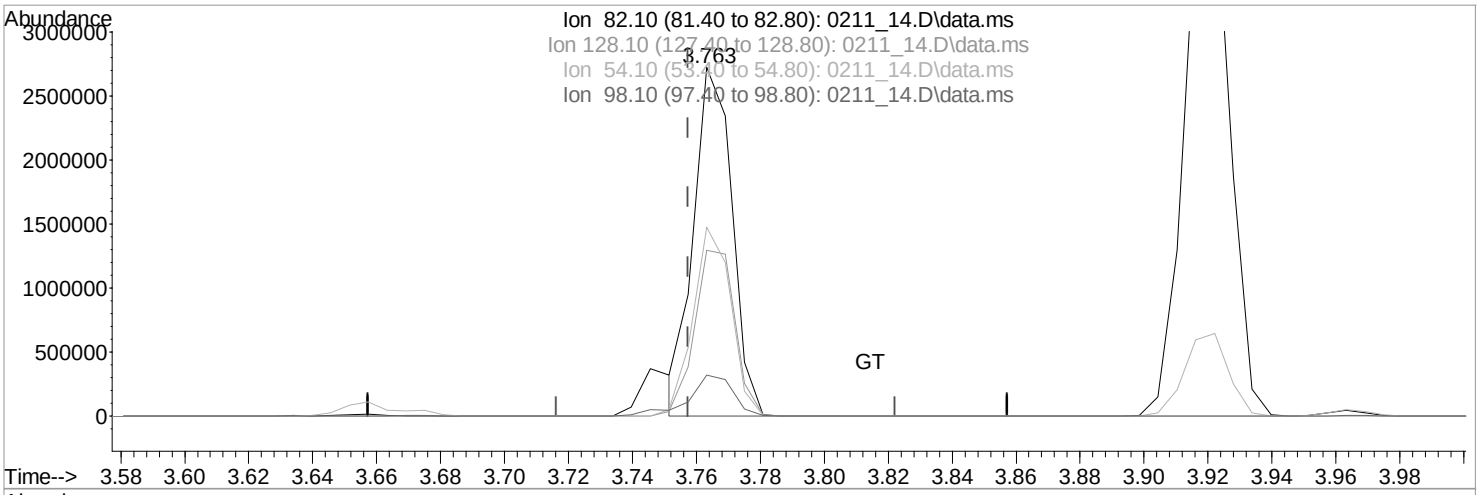
response 5038130

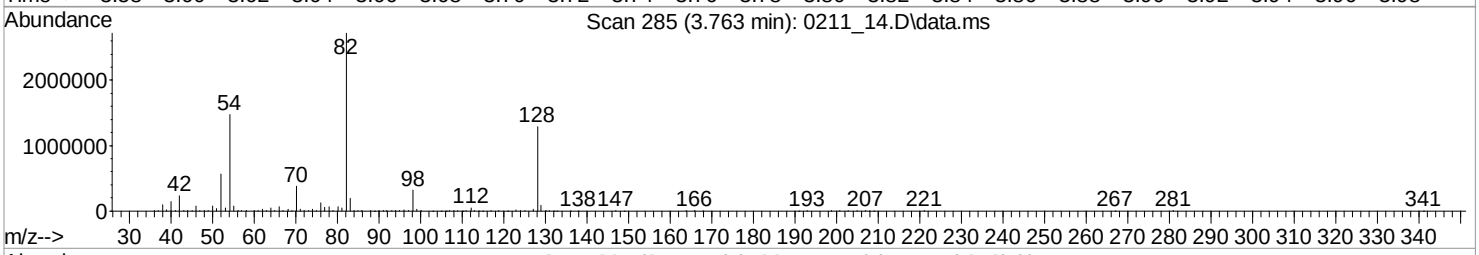
Ion	Exp%	Act%
278.20	100	100
279.20	23.90	24.72
139.00	22.50	22.08
138.00	15.80	15.71

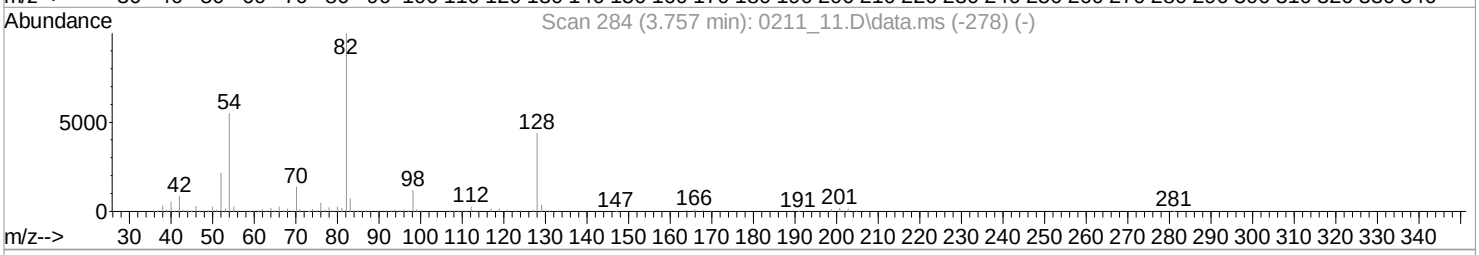
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:37 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_14.D\data.ms

(24) Nitrobenzene-d5 (S)

3.763min (+0.006) 37613.7652800 ppb m

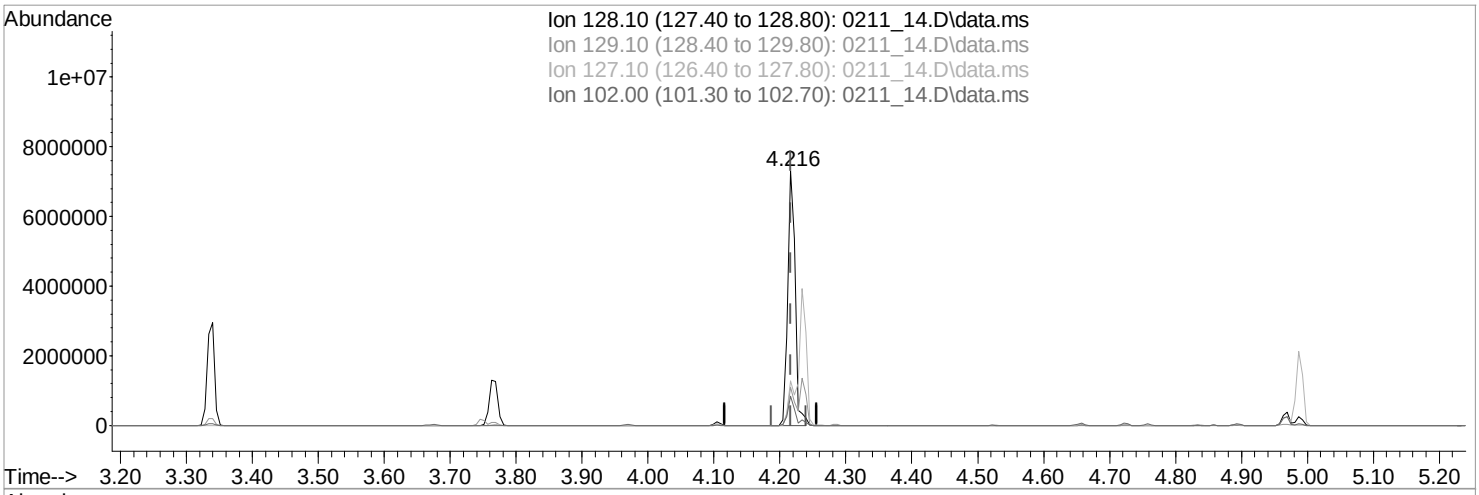
response 2279743

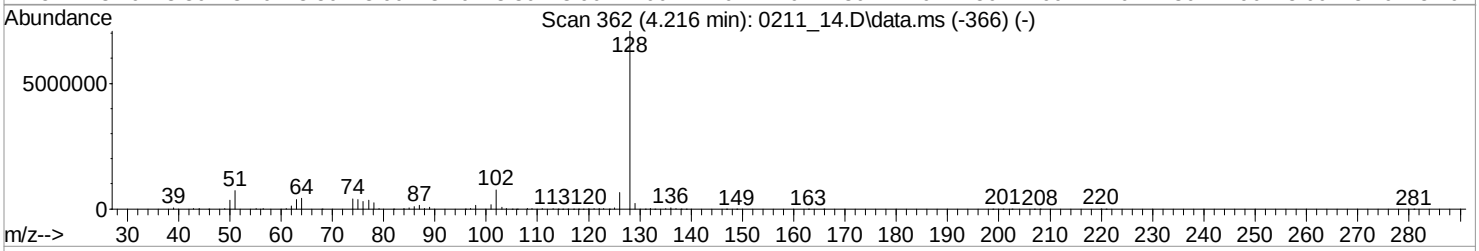
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	47.44
54.10	54.80	54.11
98.10	11.60	11.70

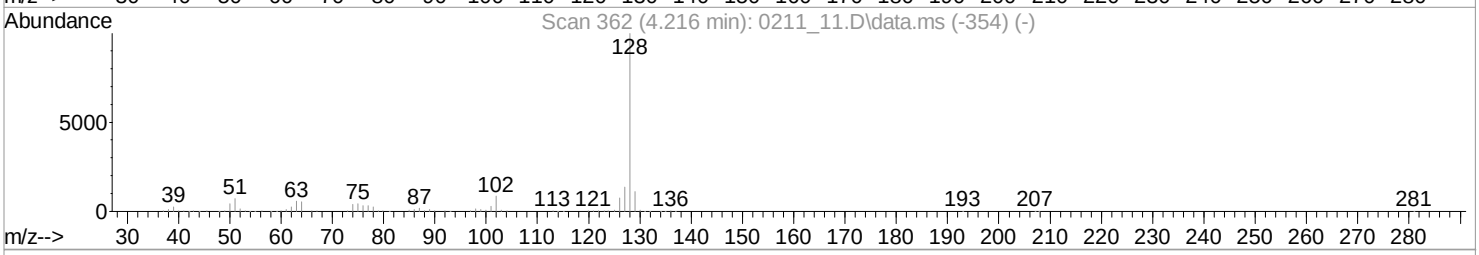
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:37 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_14.D\data.ms

(34) Naphthalene (MT)

4.216min (-0.000) 33179.9163125 ppb

Qvalue = 90

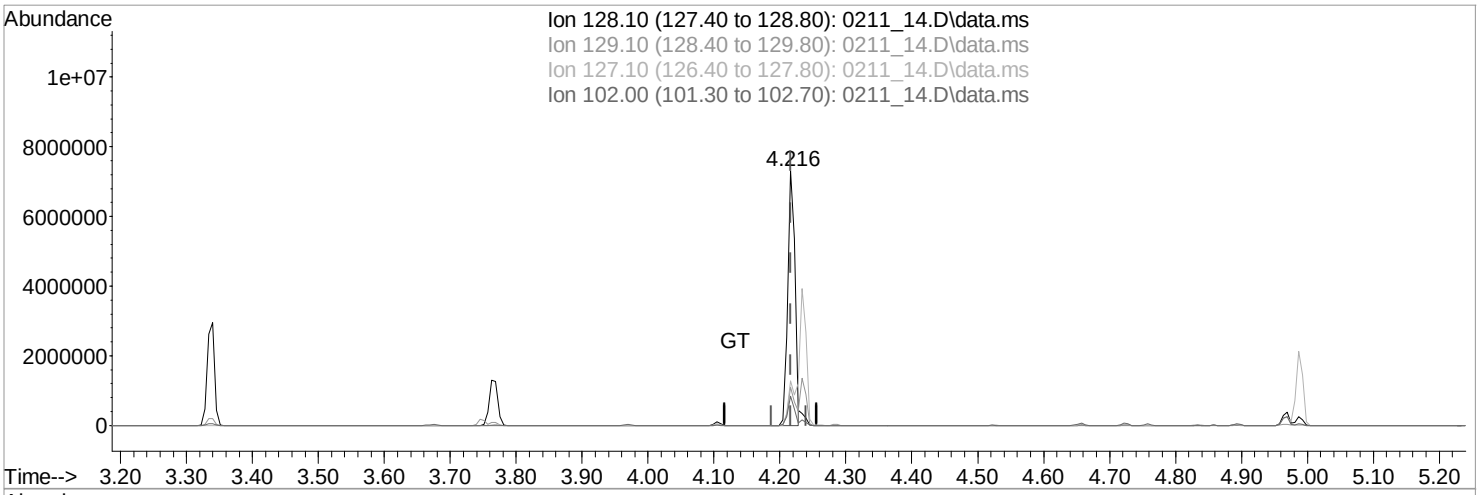
response 5766953

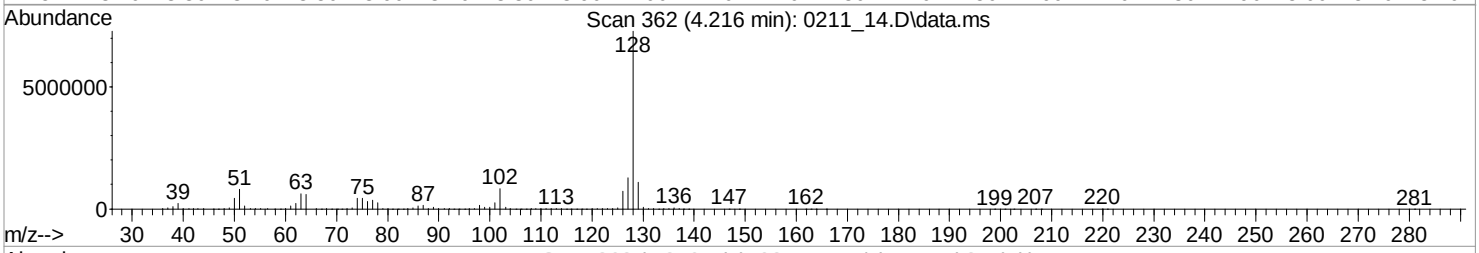
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	14.99
127.10	13.40	17.43
102.00	8.60	11.49

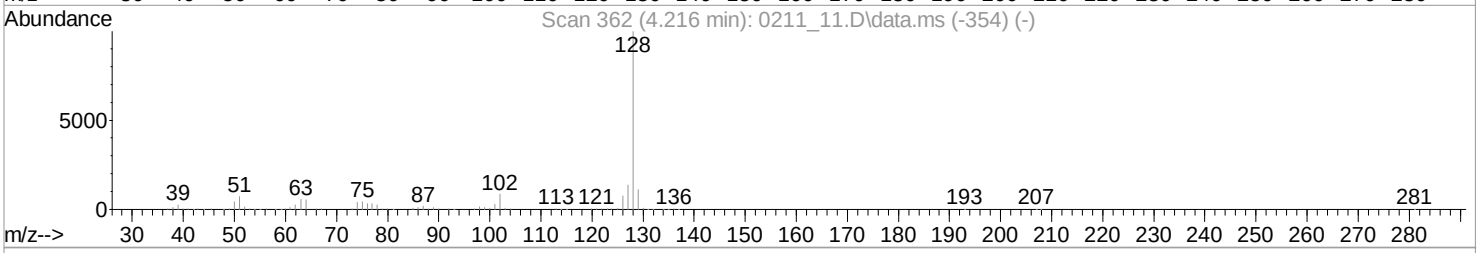
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:37 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_14.D\data.ms

(34) Naphthalene (MT)

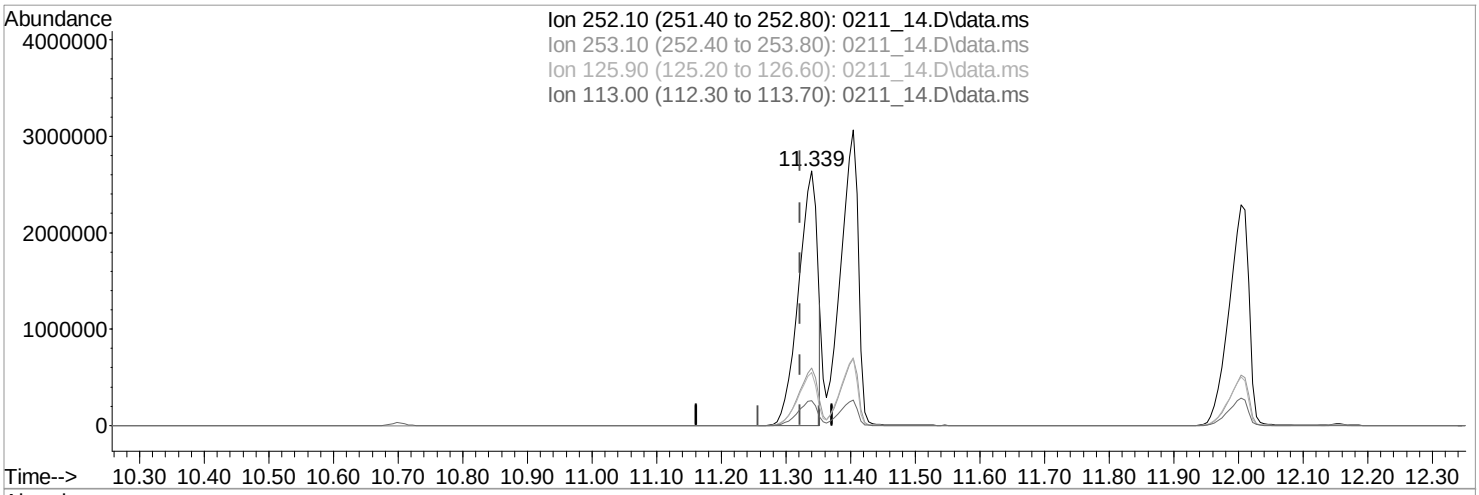
4.216min (-0.000) 32061.9390621 ppb m

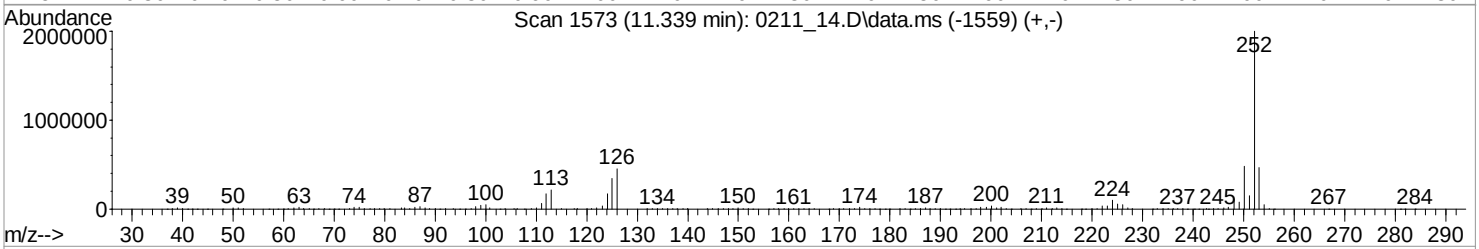
response 5572639

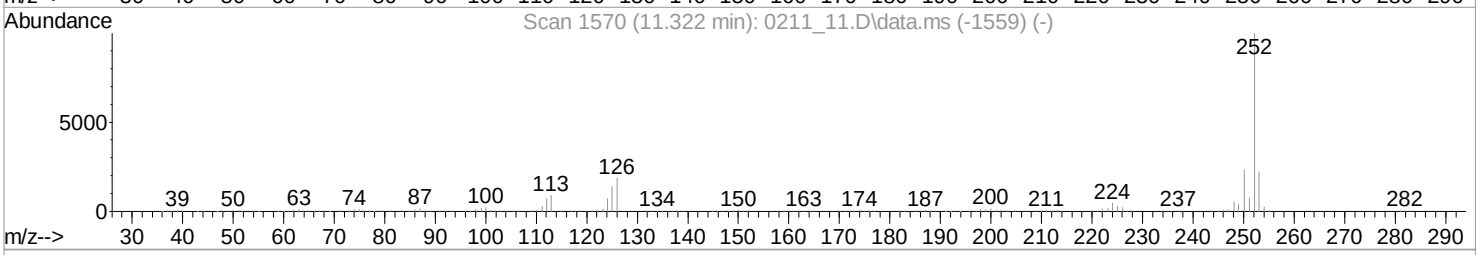
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	14.99
127.10	13.40	17.43
102.00	8.60	11.49

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:37 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_14.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.339min (+0.018) 37825.7999759 ppb

Qvalue = 95

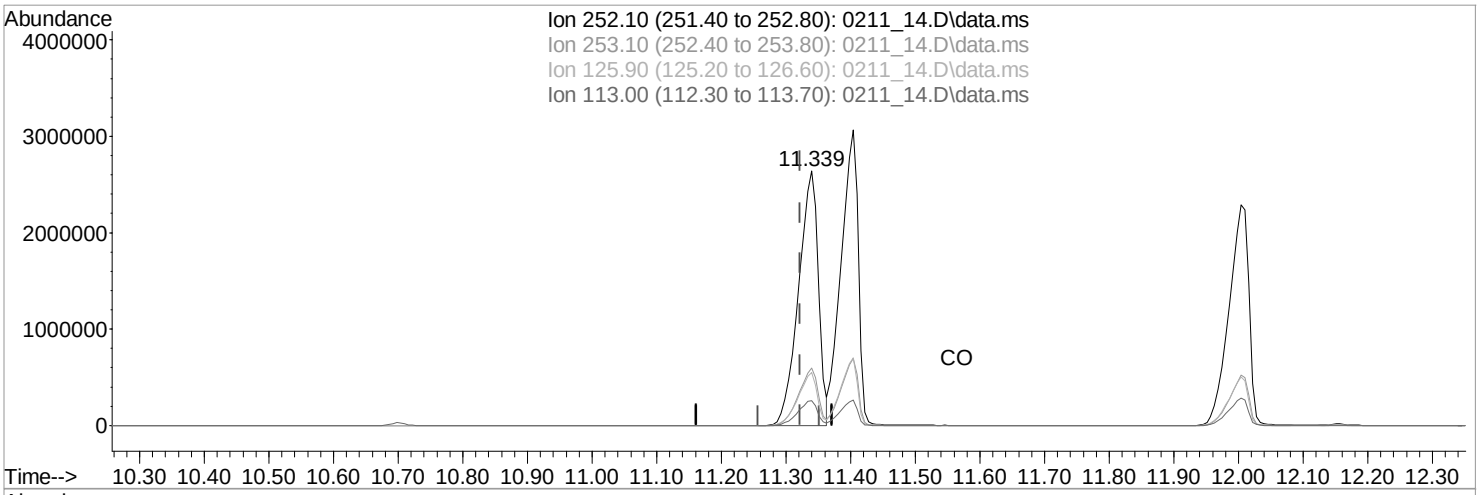
response 5316564

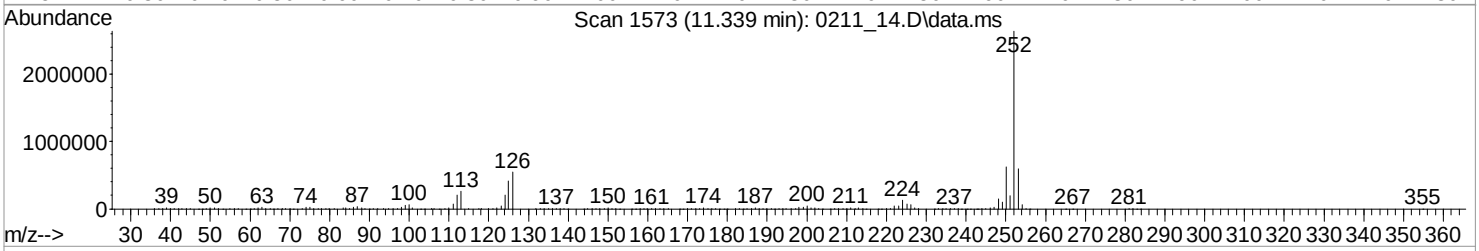
Ion	Exp%	Act%
252.10	100	100
253.10	22.10	23.05
125.90	18.50	22.39
113.00	8.80	10.54

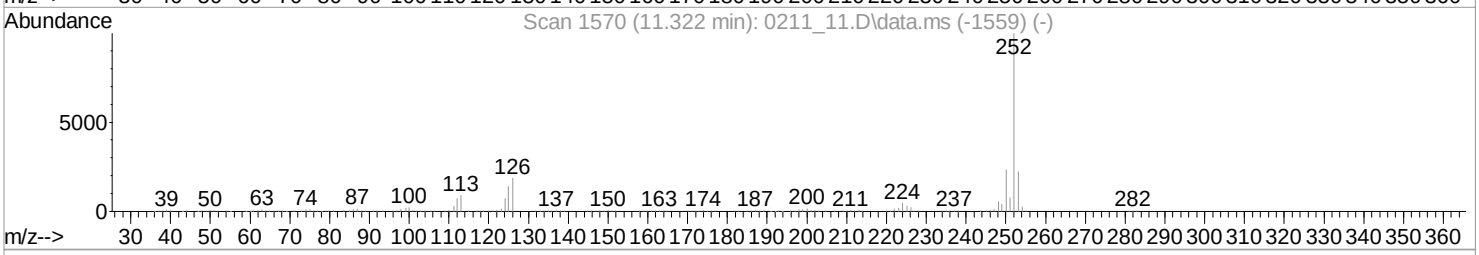
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:37 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_14.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.339min (+0.018) 39778.2110074 ppb m

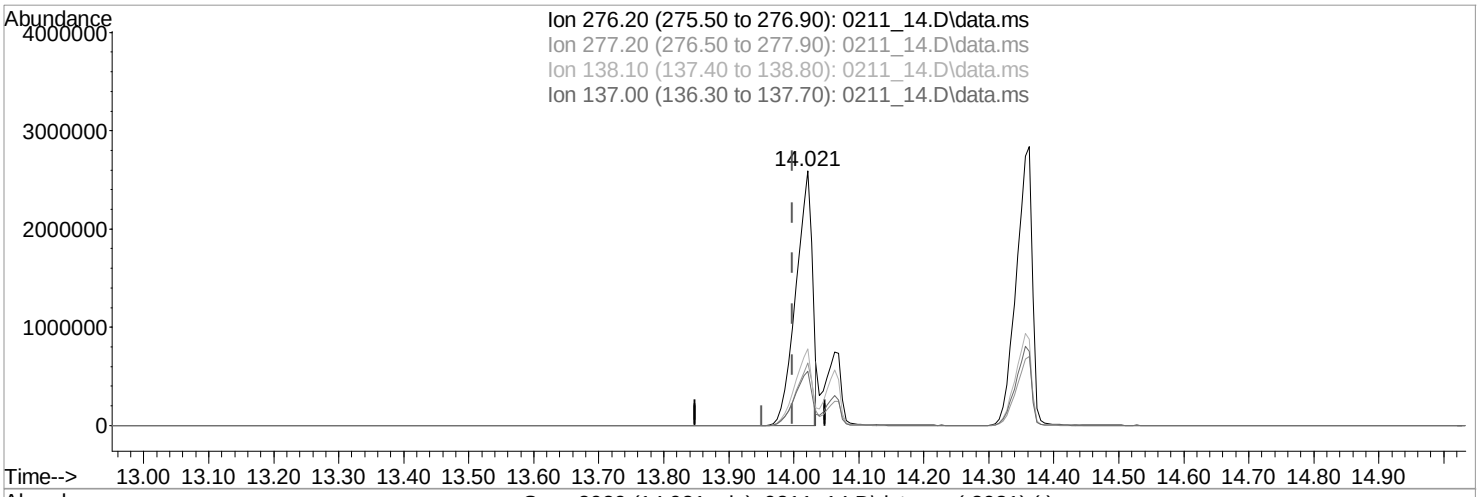
response 5590983

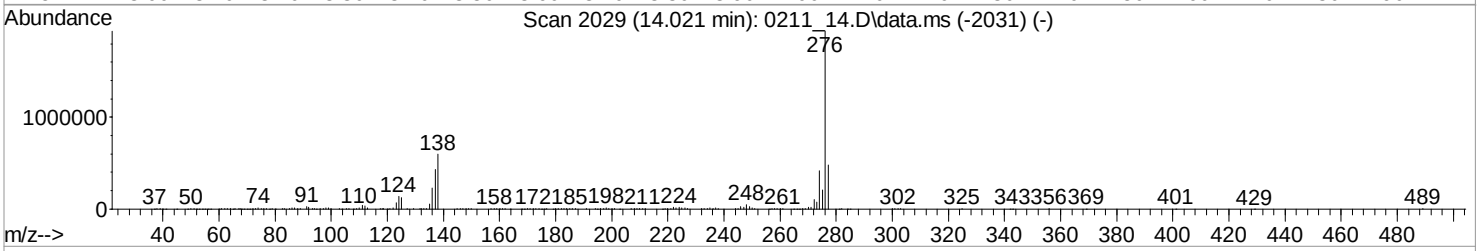
Ion	Exp%	Act%
252.10	100	100
253.10	22.10	22.60
125.90	18.50	20.74
113.00	8.80	9.79

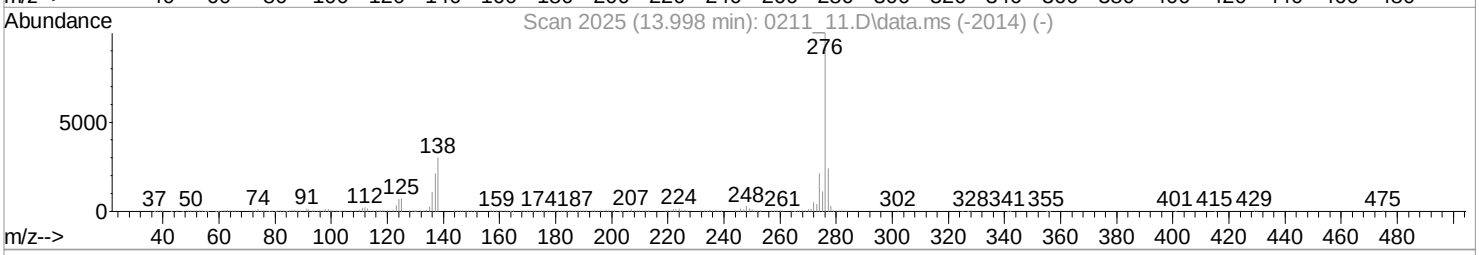
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:37 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_14.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

14.021min (+0.024) 39991.1313803 ppb

Qvalue = 100

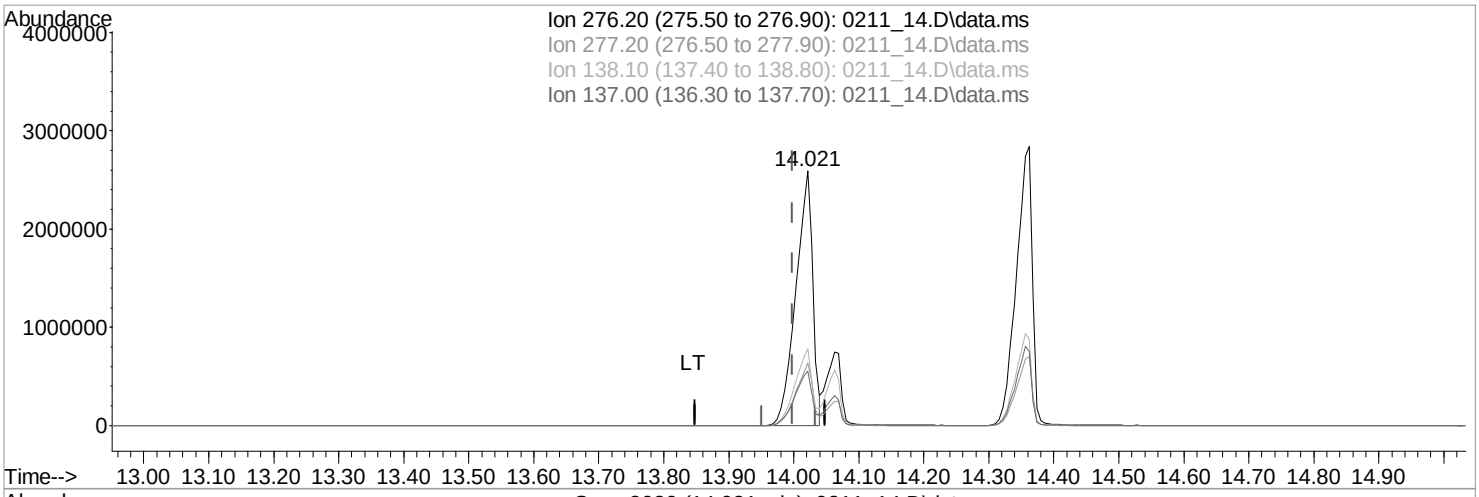
response 4540686

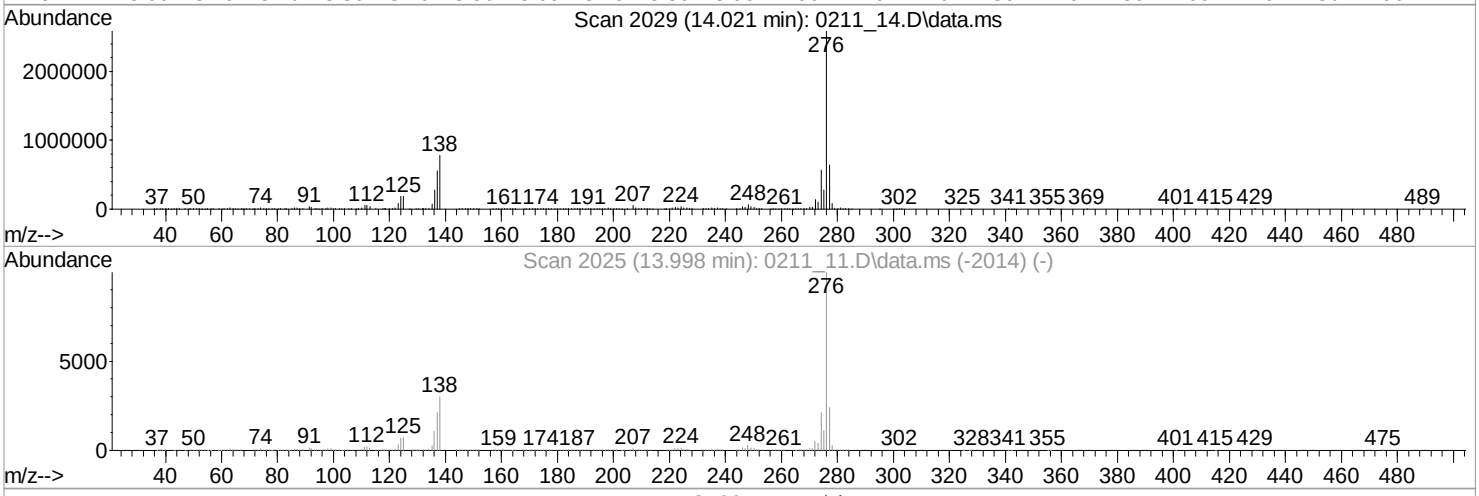
Ion	Exp%	Act%
276.20	100	100
277.20	24.10	24.67
138.10	30.00	30.08
137.00	21.20	21.23

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:37 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_14.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

14.021min (+0.024) 40957.6432152 ppb m

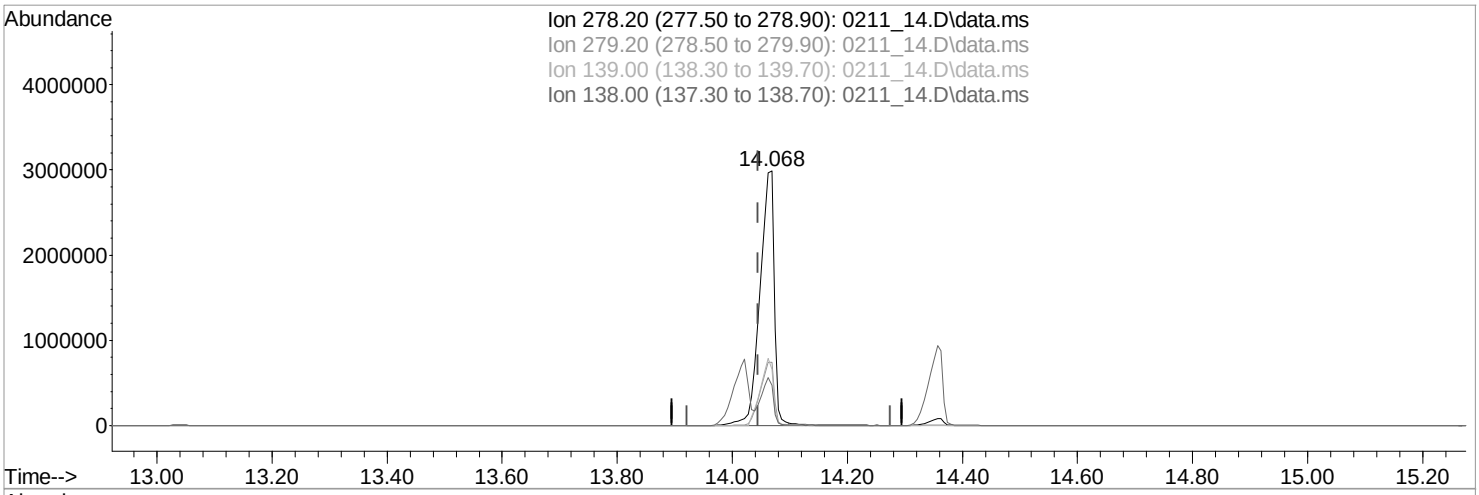
response 4650426

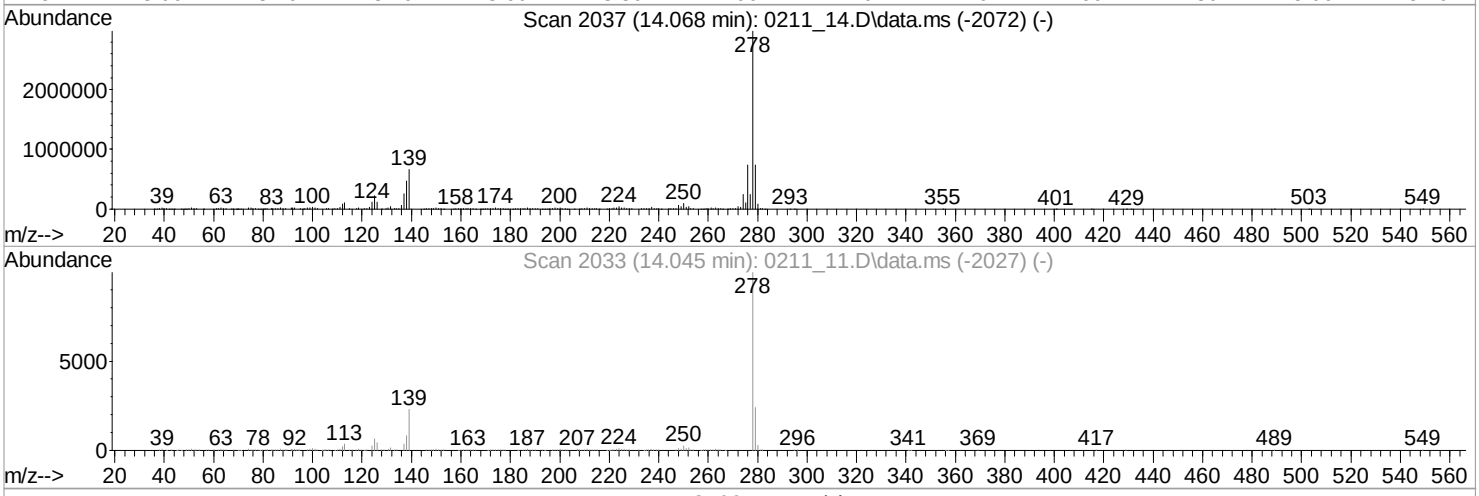
Ion	Exp%	Act%
276.20	100	100
277.20	24.10	24.67
138.10	30.00	30.09
137.00	21.20	21.25

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:37 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_14.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

14.068min (+0.024) 41051.0763692 ppb

Qvalue = 99

response 5167320

Ion	Exp%	Act%
278.20	100	100
279.20	23.90	24.72
139.00	22.50	22.08
138.00	15.80	15.71

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
Operator : 917
Sample : STD SVMS 50K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 12 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:27:50 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.452	152	355825	8000.0000000 ppb		0.00
23) Naphthalene-d8	4.204	136	1450960	8000.0000000 ppb		0.00
46) Acenaphthene-d10	5.381	164	785223	8000.0000000 ppb		0.00
70) Phenanthrene-d10	6.510	188	1346698	8000.0000000 ppb		0.00
84) Chrysene-d12	9.375	240	1106551	8000.0000000 ppb		0.01
94) Perylene-d12	12.110	264	990981	8000.0000000 ppb		0.01
System Monitoring Compounds						
4) 2-Fluorophenol	2.763	112	2496527	49130.8047968 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 1228.27%#			
7) Phenol-d5	3.222	99	3239915	50176.4174672 ppb		0.01
Spiked Amount 4000.000	Range 10 - 120		Recovery = 1254.41%#			
24) Nitrobenzene-d5	3.769	82	2914279m	47184.9163167 ppb		0.01
Spiked Amount 2000.000	Range 10 - 126		Recovery = 2359.25%#			
50) 2-Fluorobiphenyl	4.893	172	5227791	45128.2650502 ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 2256.41%#			
73) 2,4,6-Tribromophenol	5.969	330	817632	62737.0304857 ppb		0.01
Spiked Amount 4000.000	Range 10 - 153		Recovery = 1568.43%#			
87) p-Terphenyl-d14	7.945	244	6298831	47974.5841581 ppb		0.01
Spiked Amount 2000.000	Range 29 - 141		Recovery = 2398.73%#			
Target Compounds						Qvalue
2) Pyridine	2.199	79	2641233	47102.6340291 ppb		96
3) N-Nitrosodimethylamine	2.169	42	1543959	48668.9819367 ppb		98
5) Aniline	3.269	66	1557463	49944.6261197 ppb	#	1
6) bis(2-Chloroethyl)ether	3.293	93	2518821m	48731.2033998 ppb		
8) Phenol	3.234	94	3334344	49309.0796437 ppb		98
10) 2-Chlorophenol	3.340	128	2892667	50366.8088581 ppb		98
11) n-Decane	3.346	41	1557146	43467.8820963 ppb		96
12) 1,3-Dichlorobenzene	3.428	146	2993091	48169.5568401 ppb		97
13) 1,4-Dichlorobenzene	3.463	146	3019141	47312.6039122 ppb		93
14) Benzyl Alcohol	3.516	79	2291288	51090.0948369 ppb		99
15) 1,2-Dichlorobenzene	3.552	146	2934246	48906.4395049 ppb		95
16) bis(2-Chloroisopropyl)...	3.587	121	1011565	50121.2629420 ppb		99
17) 2,2-oxybis(1-chloropro...	3.587	121	1011565	50121.2629420 ppb		99
18) 2-Methylphenol	3.569	108	2573383	50745.0037657 ppb		97
19) Hexachloroethane	3.746	117	1281092	51110.1789554 ppb		97
20) N-Nitrosodi-n-propylamine	3.681	70	2048872	51591.9621108 ppb		88
21) 3&4-Methyl phenol	3.657	107	2946527	50727.2901723 ppb		99
25) Nitrobenzene	3.781	77	2778444	48285.0698041 ppb		94
26) Isophorone	3.922	82	5214023	49204.7708788 ppb		99
27) 2-Nitrophenol	3.963	139	1629239	57884.7880212 ppb		85
28) 2,4-Dimethylphenol	3.969	107	2836441	50229.9805076 ppb		98
29) bis(2-Chlorethoxy)methane	4.028	93	3117826	47482.6560143 ppb		97
30) 2,4-Dichlorophenol	4.110	162	2342713	52290.6850164 ppb		89
32) 1,2,4-Trichlorobenzene	4.163	180	2380814	48991.2225059 ppb		99
34) Naphthalene	4.216	128	6684743m	38305.1788747 ppb		
35) 4-Chloroaniline	4.234	65	1042259	49073.5620206 ppb		96
36) Hexachloro-1,3-butadiene	4.287	225	1331871	52173.0545450 ppb		94
40) 4-Chloro-3-methylphenol	4.528	107	2477579	51687.0449071 ppb		98
41) 2-Methylnaphthalene	4.657	142	4967145	43781.4438795 ppb		96
42) 1-Methylnaphthalene	4.722	142	4866385	44565.0189137 ppb		97

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
Operator : 917
Sample : STD SVMS 50K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 12 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:27:50 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

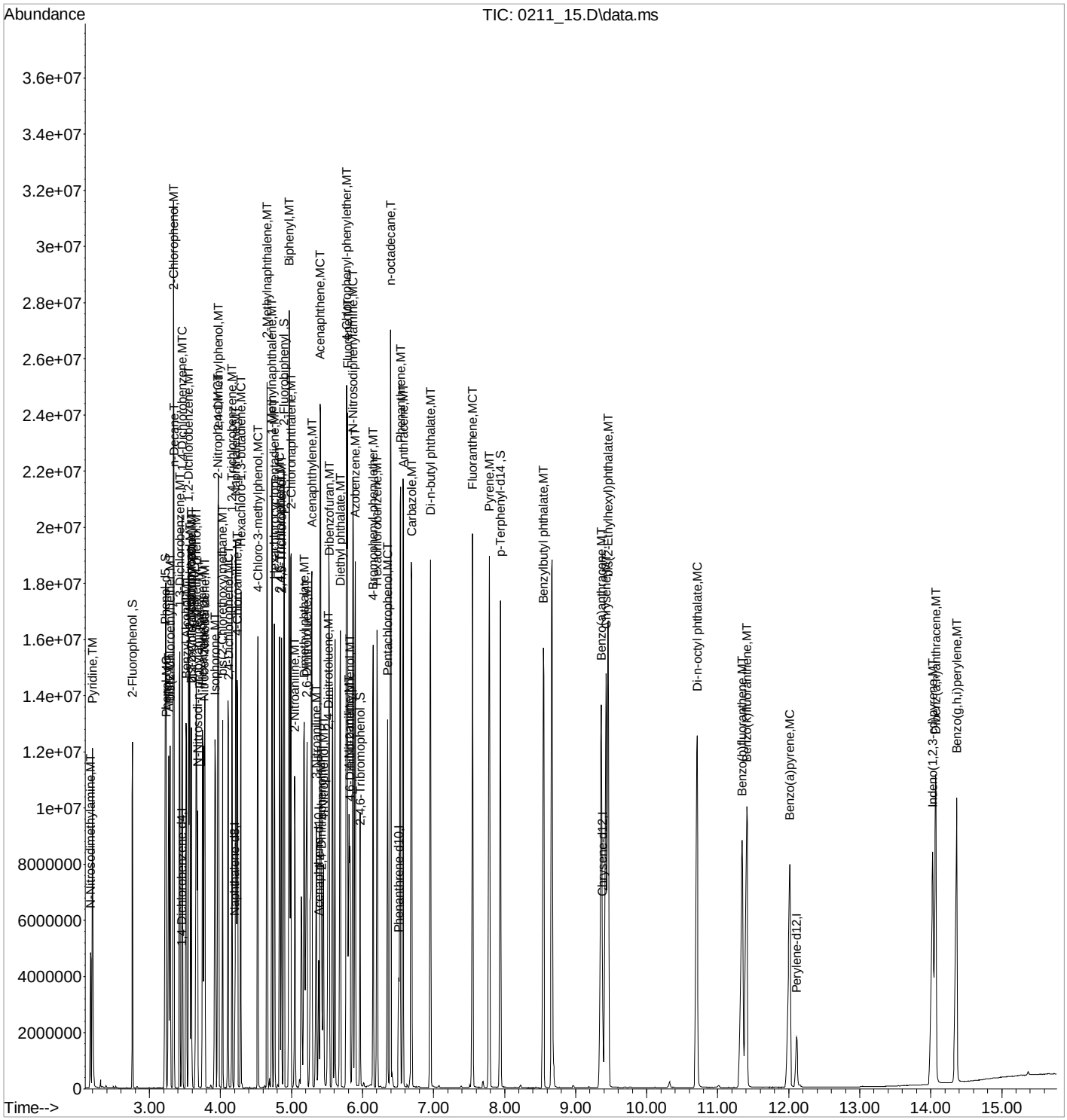
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.757	237	1792180	56573.4004469 ppb		98
48)	2,4,6-Trichlorophenol	4.834	196	1695071	56420.7002701 ppb		94
49)	2,4,5-Trichlorophenol	4.857	196	1832151	55907.1675302 ppb		97
51)	Biphenyl	4.969	154	5697857	42323.4034129 ppb	#	88
52)	2-Chloronaphthalene	4.993	162	4888715	45334.6925564 ppb		92
53)	2-Nitroaniline	5.046	138	2010095	59804.0620575 ppb		98
54)	Acenaphthylene	5.287	152	6780159	41916.6085926 ppb		87
55)	Dimethyl phthalate	5.181	163	5511999	46692.2071971 ppb		95
56)	2,6-Dinitrotoluene	5.216	165	1490124	56124.7874327 ppb		98
57)	3-Nitroaniline	5.351	138	1722482	56345.3732489 ppb		93
58)	Acenaphthene	5.404	153	5010468	43739.1892122 ppb		95
59)	2,4-Dinitrophenol	5.422	184	881557	71190.9481722 ppb	#	1
60)	Dibenzofuran	5.534	168	6242611	42945.8518346 ppb	#	91
61)	2,4-Dinitrotoluene	5.516	165	1947439	57892.8209380 ppb		92
63)	4-Nitrophenol	5.451	139	1425088	57964.3625966 ppb		99
64)	Fluorene	5.787	166	5666900	44134.7424276 ppb		95
65)	4-Chlorophenyl-phenyle...	5.775	204	2746008	50049.2468868 ppb		96
66)	Diethyl phthalate	5.687	149	5585099	46010.5419319 ppb		91
67)	4-Nitroaniline	5.810	138	1845727	56702.9388699 ppb		98
68)	Azobenzene	5.898	77	5546045	44312.3504113 ppb		92
71)	4,6-Dinitro-2-methylph...	5.822	198	1054220	70818.4972389 ppb		89
72)	N-Nitrosodiphenylamine	5.863	169	4985090	48679.0969957 ppb		94
74)	4-Bromophenyl-phenylether	6.151	248	1560770	54341.8365943 ppb		98
75)	Hexachlorobenzene	6.204	284	1740285	53094.0904980 ppb		99
76)	n-octadecane	6.393	55	996174	47748.2260779 ppb		98
77)	Pentachlorophenol	6.351	266	1102198	65038.2952729 ppb		94
78)	Phenanthrene	6.534	178	7231642	39345.1798497 ppb		90
79)	Anthracene	6.575	178	7305209	40900.4271395 ppb		86
80)	Carbazole	6.692	167	7111435	43612.8131189 ppb		92
81)	Di-n-butyl phthalate	6.957	149	7786241	41188.9652376 ppb		85
83)	Fluoranthene	7.551	202	7712433	43078.0257151 ppb		89
86)	Pyrene	7.787	202	7910417	43621.5964997 ppb		88
88)	Benzylbutyl phthalate	8.545	149	4487990	57851.2991976 ppb		98
90)	Benzo(a)anthracene	9.363	228	7631435	44606.4660061 ppb		96
91)	Chrysene	9.428	228	7334834	41205.8459187 ppb		94
92)	bis(2-Ethylhexyl)phtha...	9.457	149	6353996	58189.4537516 ppb		96
93)	Di-n-octyl phthalate	10.710	149	9821609	58652.9491246 ppb		95
95)	Benzo(b)fluoranthene	11.345	252	7079916m	49922.3031621 ppb		
96)	Benzo(k)fluoranthene	11.410	252	7007472	48844.1157276 ppb		97
97)	Benzo(a)pyrene	12.016	252	6140586	52778.8373221 ppb		98
98)	Indeno(1,2,3-cd)pyrene	14.027	276	6009180m	52281.1921405 ppb		
99)	Dibenz(a,h)anthracene	14.074	278	6424591	50549.4712691 ppb		97
100)	Benzo(g,h,i)perylene	14.368	276	6174835	47400.7871680 ppb		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
Operator : 917
Sample : STD SVMS 50K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 12 Sample Multiplier: 1
InstName : BNAMS20

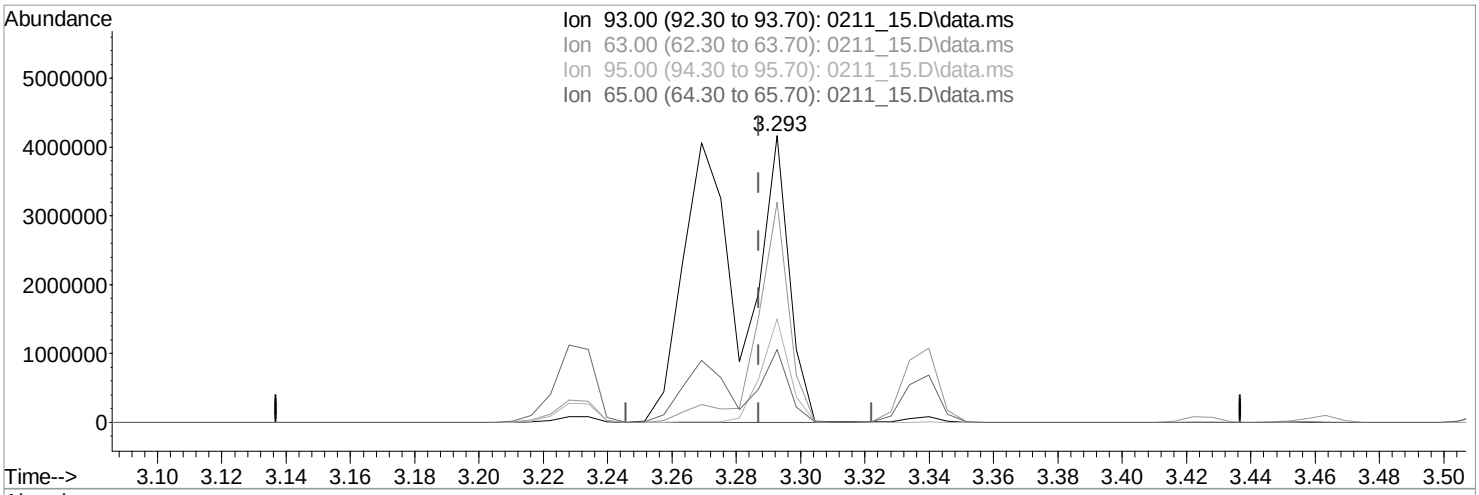
Quant Time: Feb 11 15:27:50 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

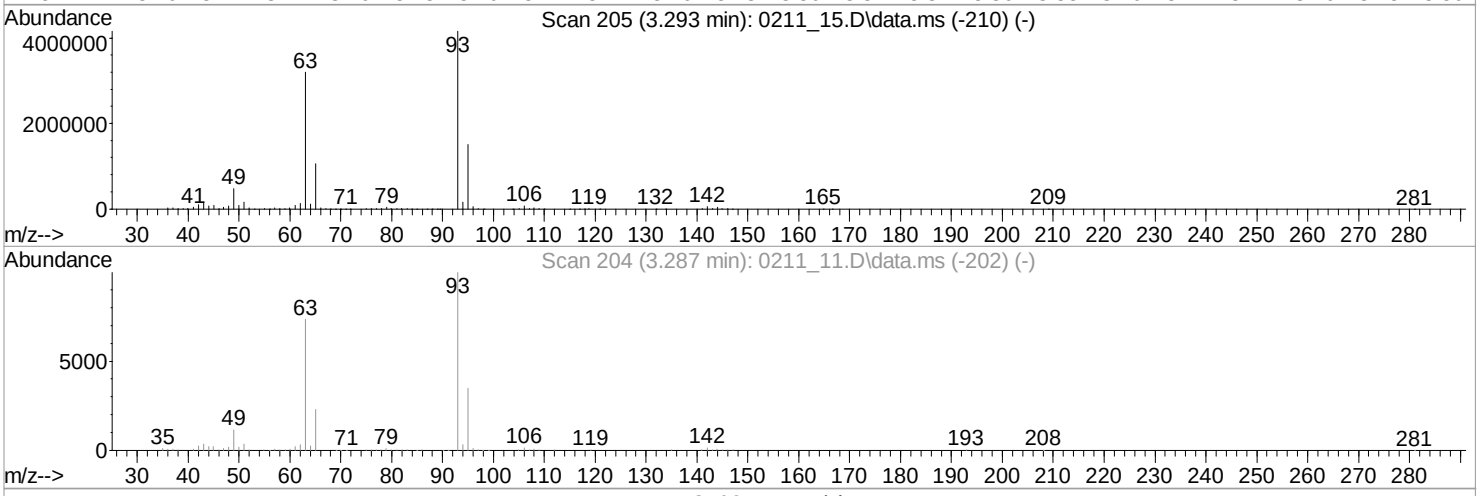


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
Operator : 917
Sample : STD SVMS 50K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 12 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:26:28 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_15.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.293min (+0.006) 123586.7031223 ppb

Qvalue = 95

response 6387956

Ion	Exp%	Act%
93.00	100	100
63.00	72.00	76.82
95.00	33.70	36.00
65.00	22.90	25.31

Data Path : C:\msdchem\1\data\021122\
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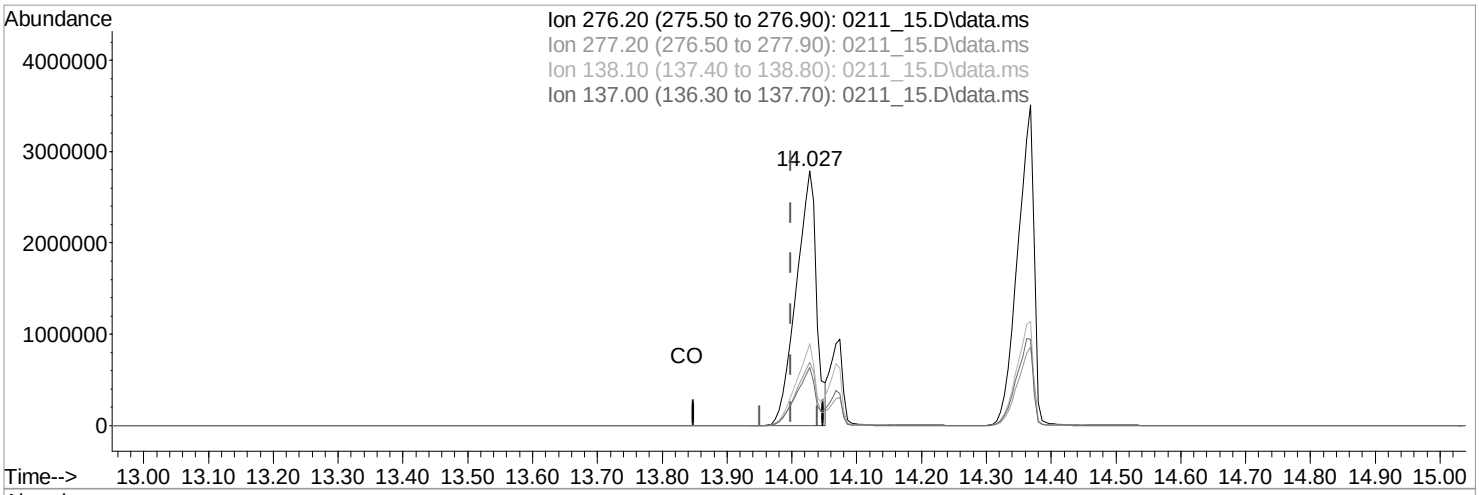
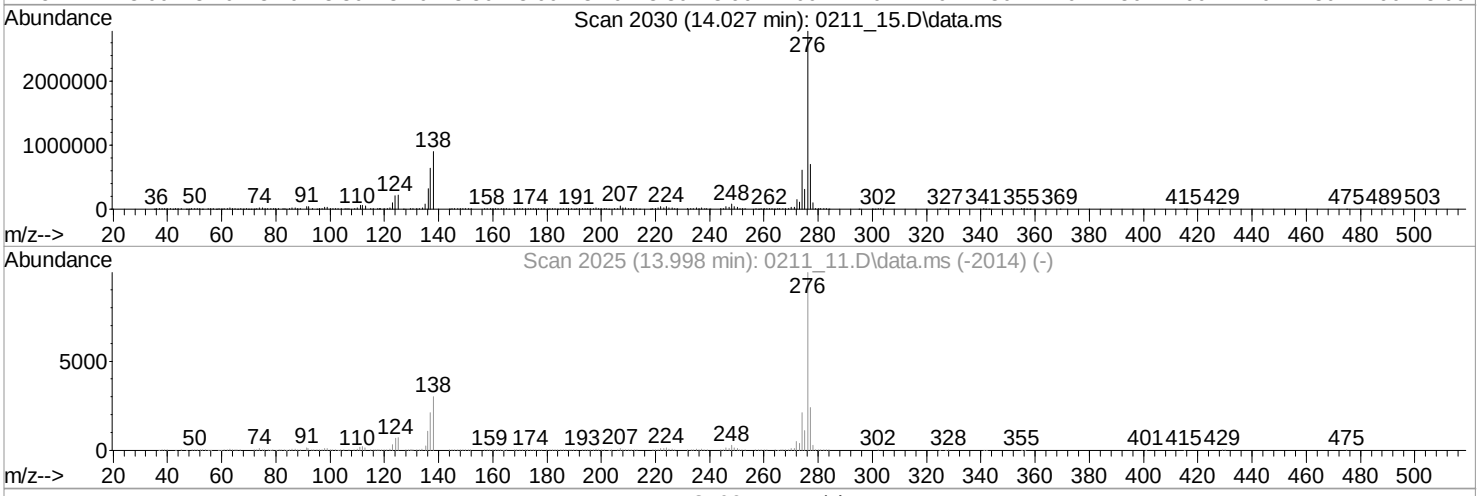
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_15.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

14.027min (+0.029) 52281.1921405 ppb m

response 6009180

Ion	Exp%	Act%
276.20	100	100
277.20	24.10	24.89
138.10	30.00	32.06
137.00	21.20	22.89

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
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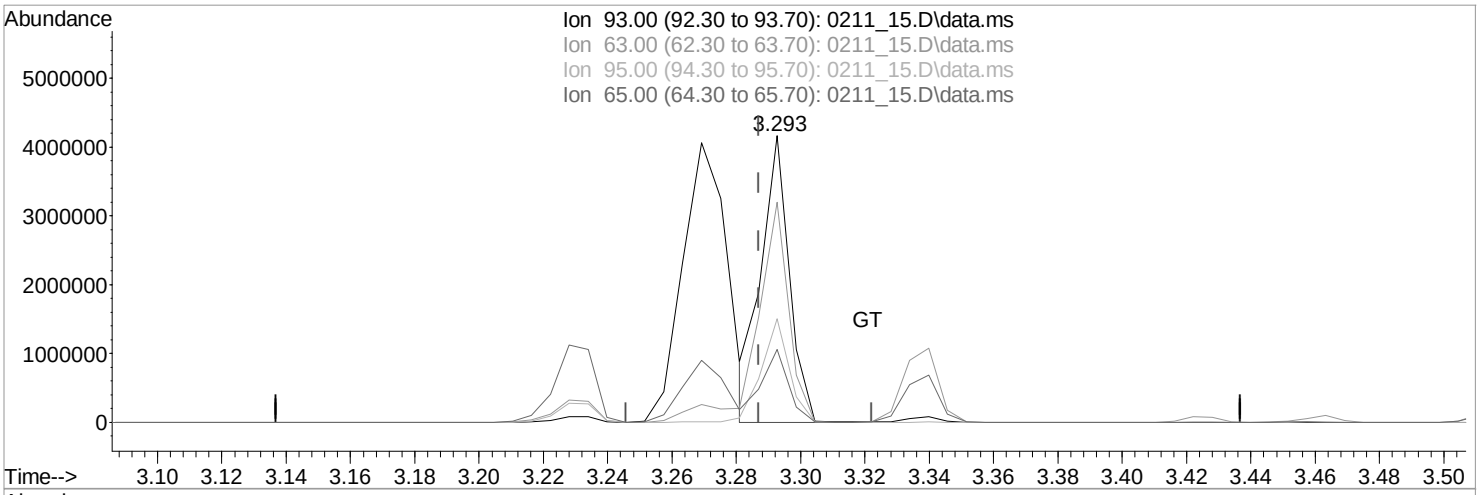
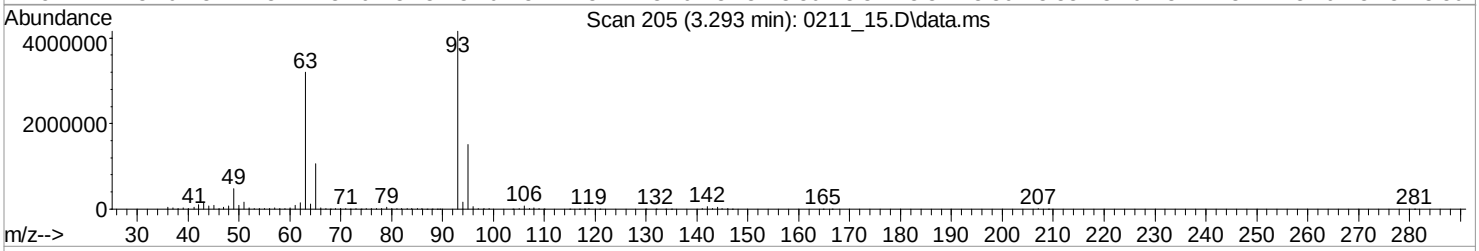
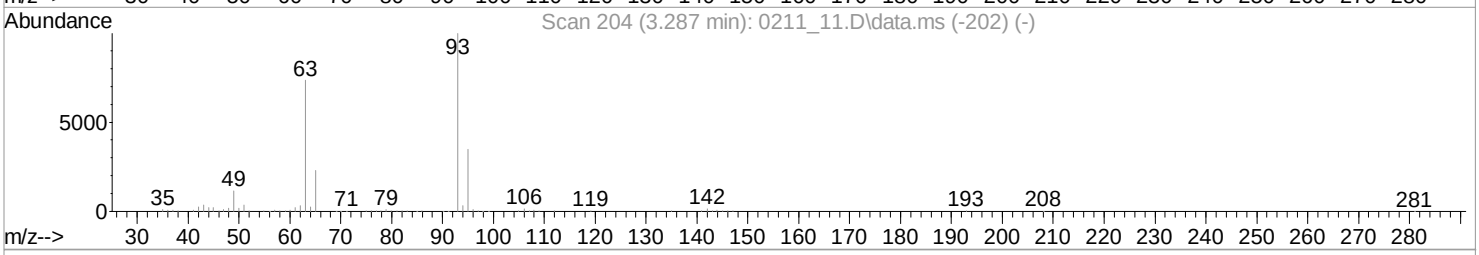
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_15.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.293min (+0.006) 48731.2033998 ppb m

response 2518821

Ion	Exp%	Act%
93.00	100	100
63.00	72.00	76.83
95.00	33.70	36.01
65.00	22.90	25.35

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
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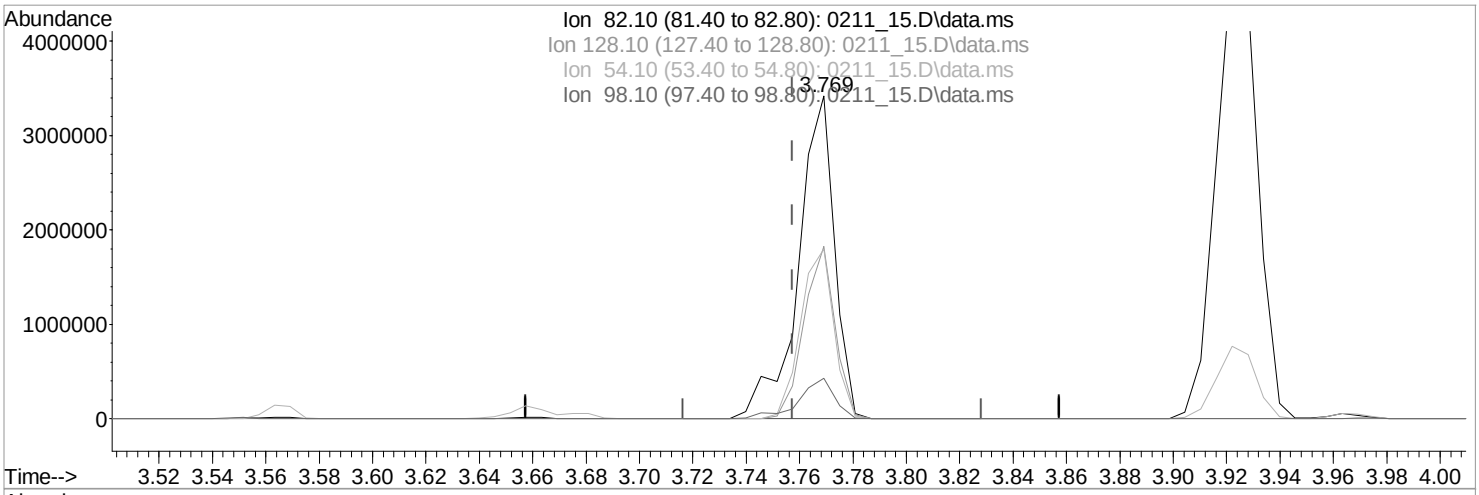
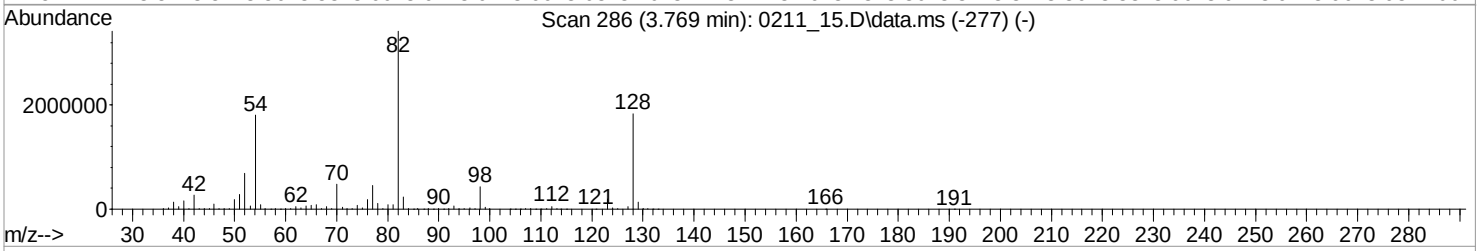
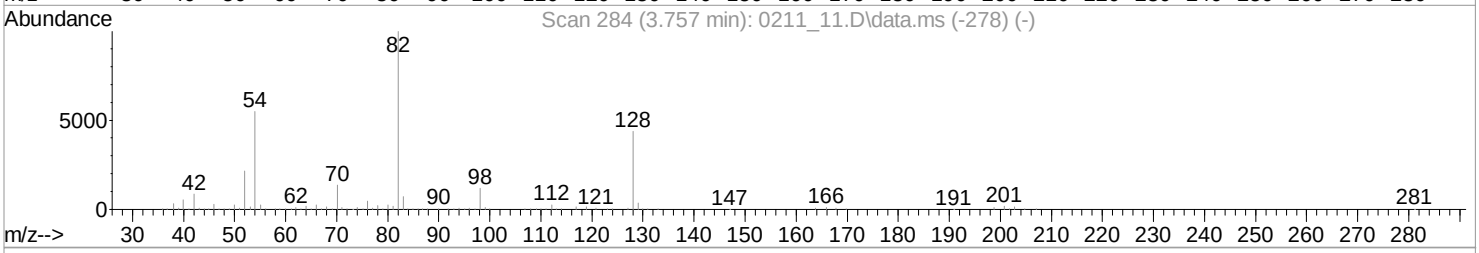
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 12 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:26:28 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_15.D\data.ms

(24) Nitrobenzene-d5 (S)

3.769min (+0.012) 52483.0290271 ppb

Qvalue = 92

response 3241506

Ion	Exp%	Act%
82.10	100	100
128.10	43.50	53.36
54.10	54.80	52.59
98.10	11.60	12.41

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
Operator : 917
Sample : STD SVMS 50K ppb 22B08397 exp 07/15/22
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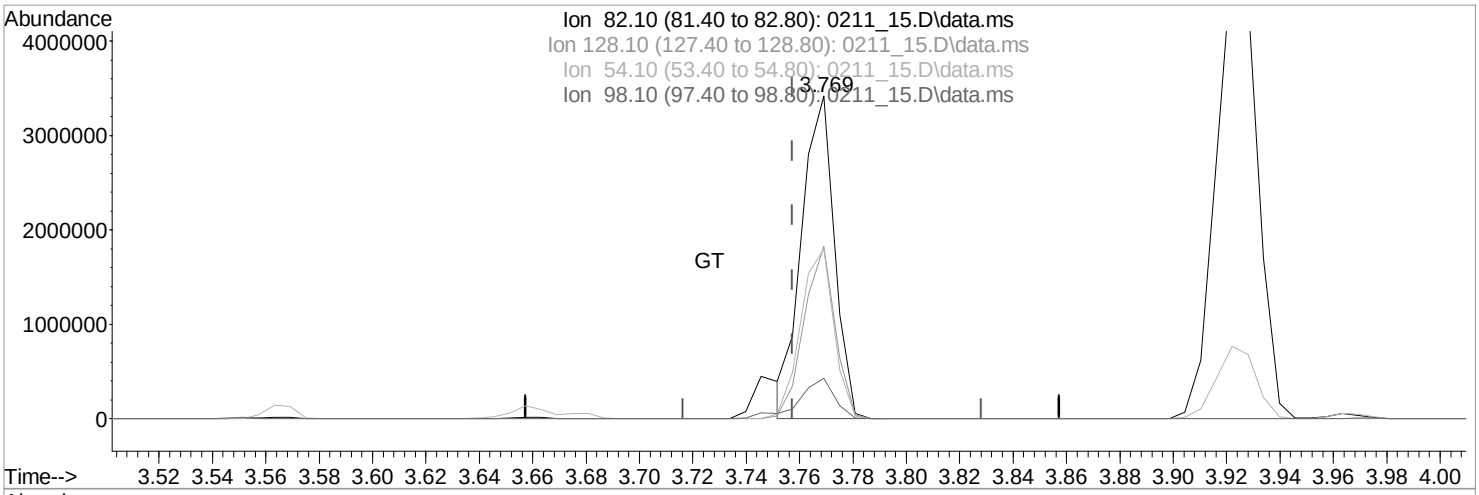
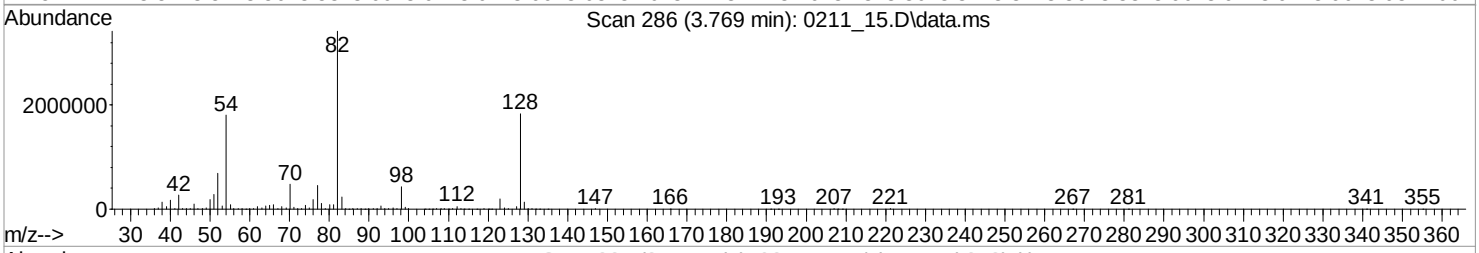
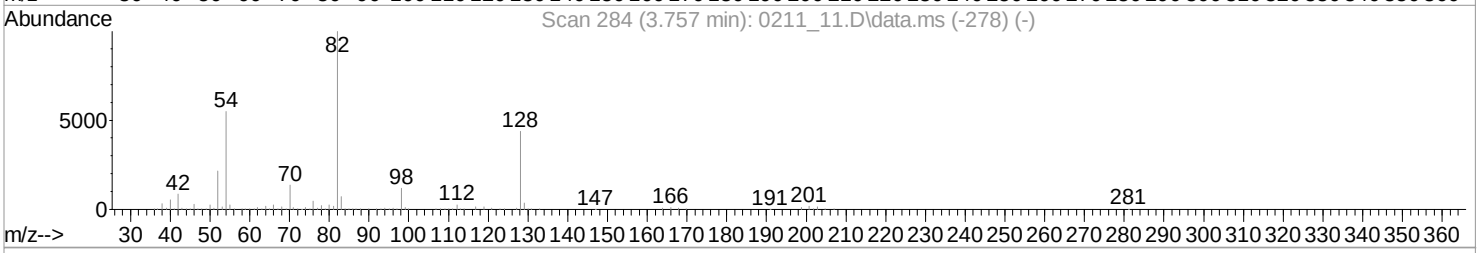
InstName : BNAMS20

Quant Time: Feb 11 15:26:28 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_15.D\data.ms

(24) Nitrobenzene-d5 (S)

3.769min (+0.012) 47184.9163167 ppb m

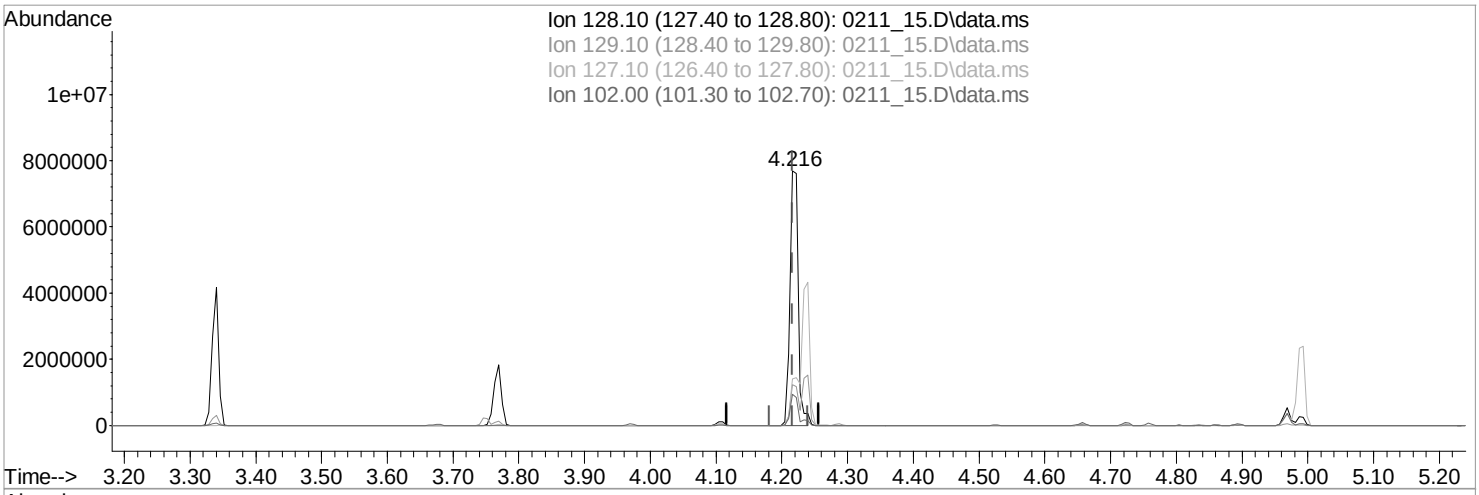
response 2914279

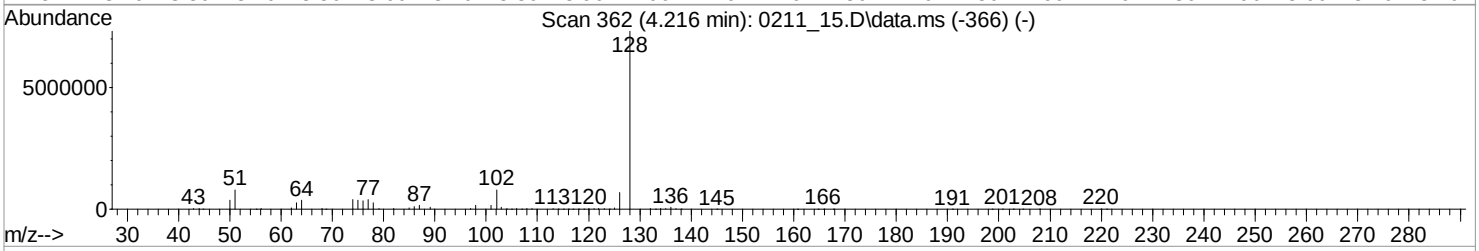
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	53.36
54.10	54.80	52.60
98.10	11.60	12.42

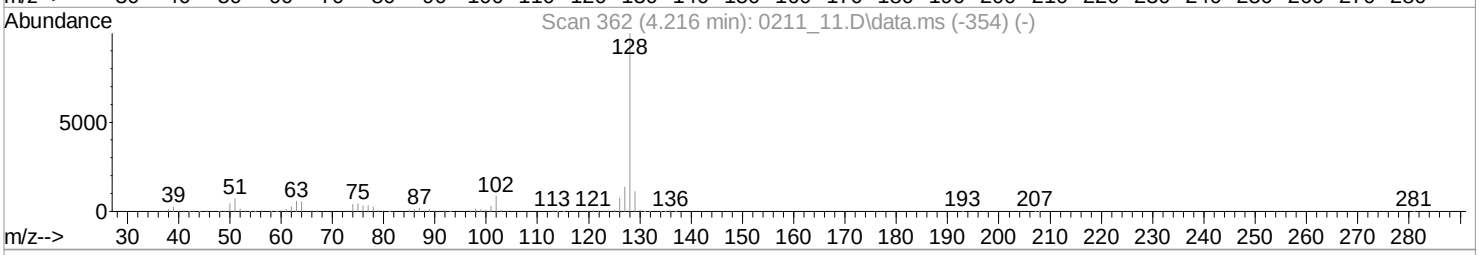
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
Operator : 917
Sample : STD SVMS 50K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 12 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:26:28 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_15.D\data.ms

(34) Naphthalene (MT)

4.216min (0.000) 39032.7015514 ppb

Qvalue = 88

response 6811705

Ion	Exp%	Act%
128.10	100	100
129.10	11.10	15.92
127.10	13.40	18.33
102.00	8.60	12.20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
Operator : 917
Sample : STD SVMS 50K ppb 22B08397 exp 07/15/22
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Quant Time: Feb 11 15:26:28 2022
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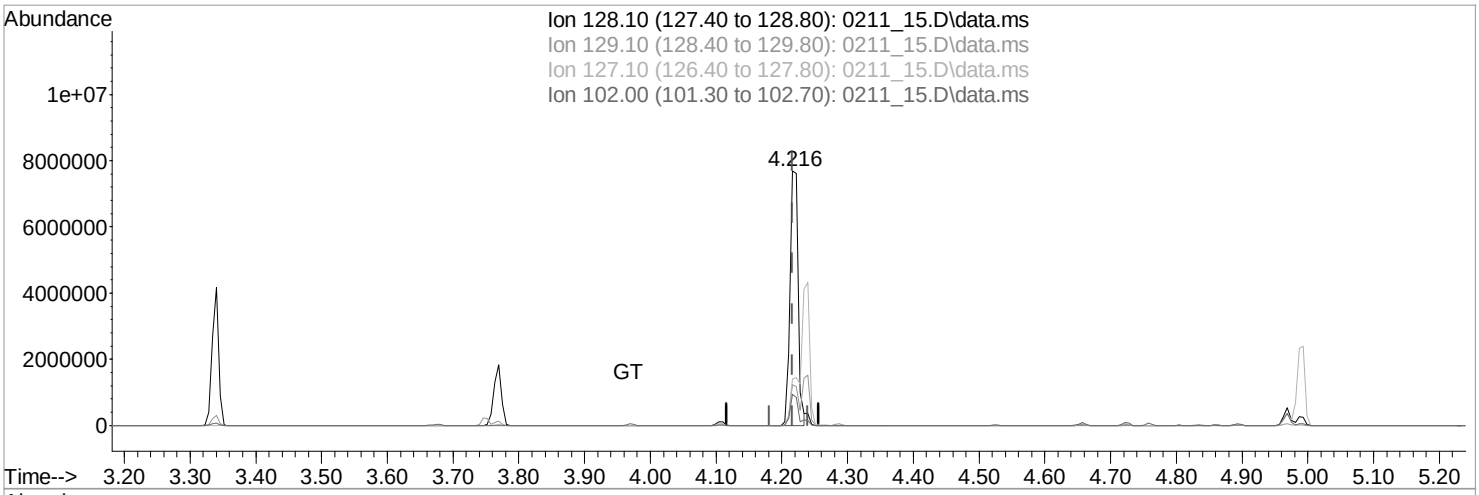
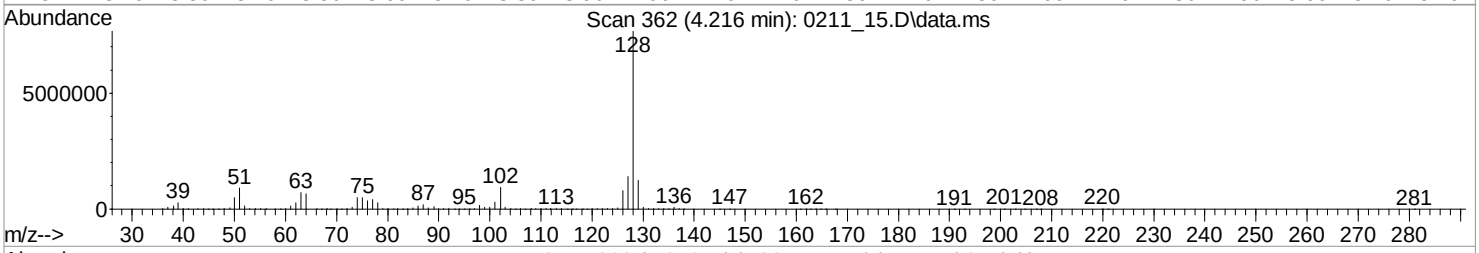
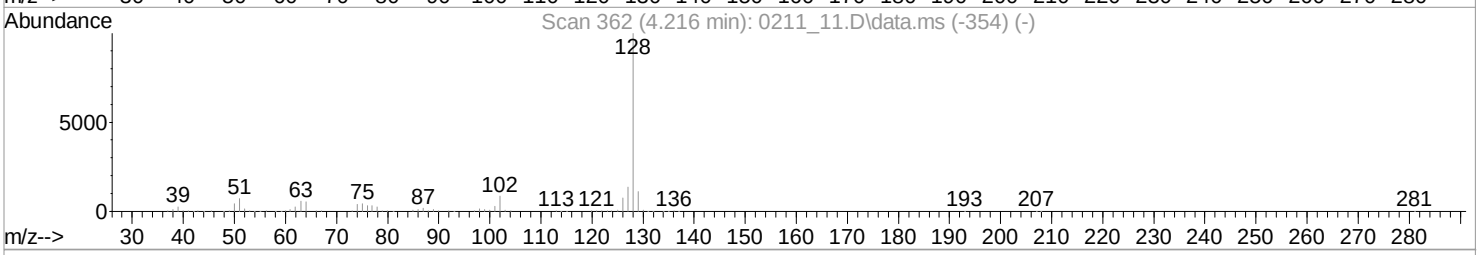
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_15.D\data.ms

(34) Naphthalene (MT)

4.216min (0.000) 38305.1788747 ppb m

response 6684743

Ion	Exp%	Act%
128.10	100	100
129.10	11.10	15.92
127.10	13.40	18.33
102.00	8.60	12.20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
Operator : 917
Sample : STD SVMS 50K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 12 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:26:28 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
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QLast Update : Fri Feb 11 15:26:26 2022
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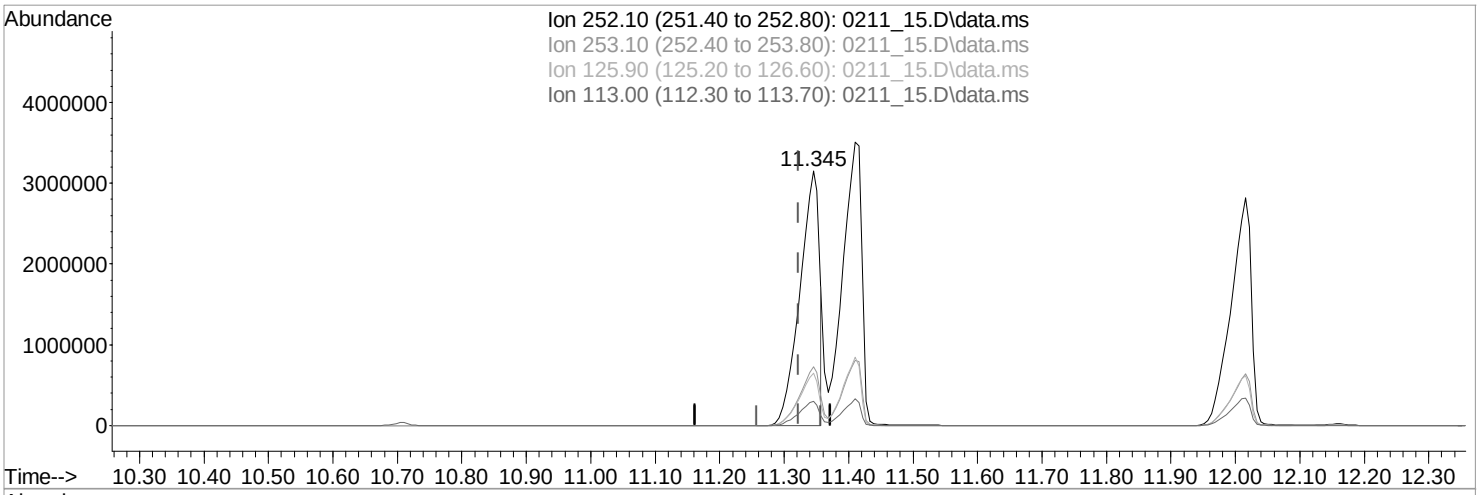
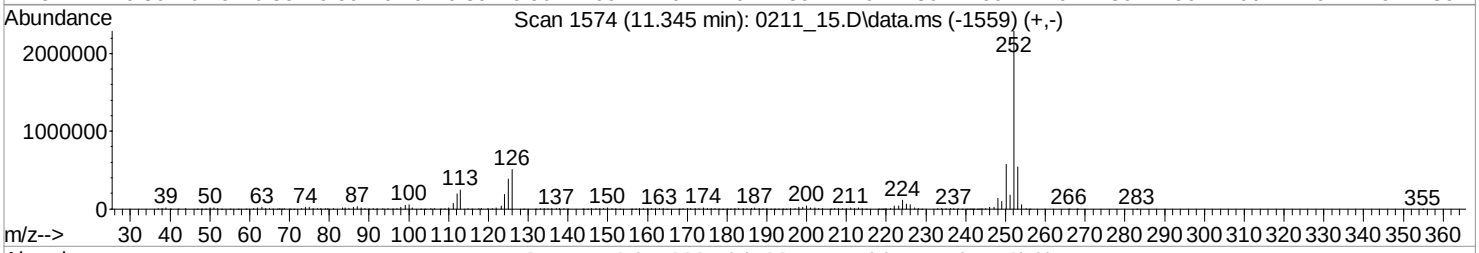
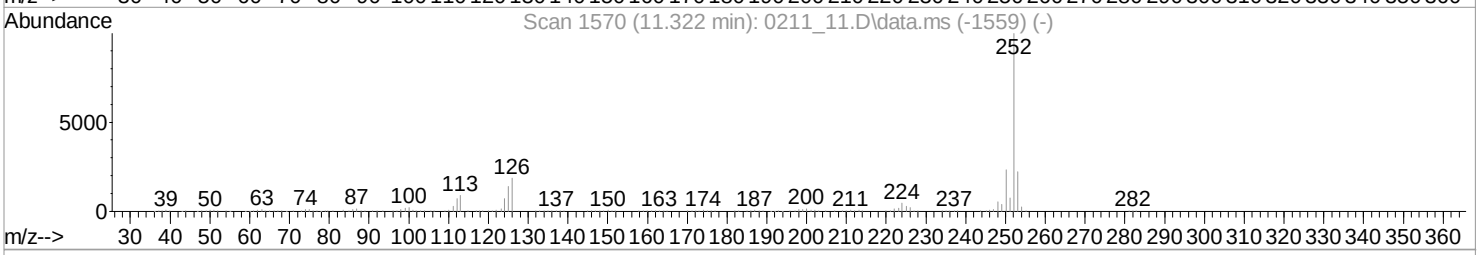
DataAcq Meth:BNA20SP.M







TIC: 0211_15.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.345min (+0.024) 47256.9564396 ppb

Qvalue = 95

response 6701920

Ion	Exp%	Act%
252.10	100	100
253.10	22.10	23.74
125.90	18.50	22.16
113.00	8.80	10.49

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
Operator : 917
Sample : STD SVMS 50K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 12 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:26:28 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
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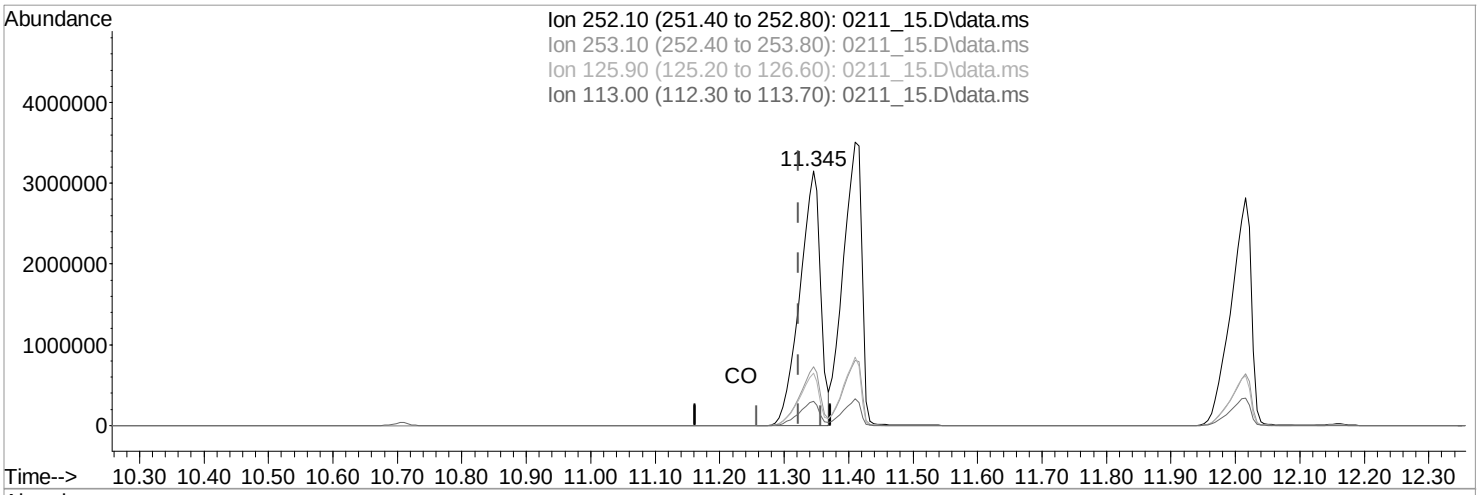
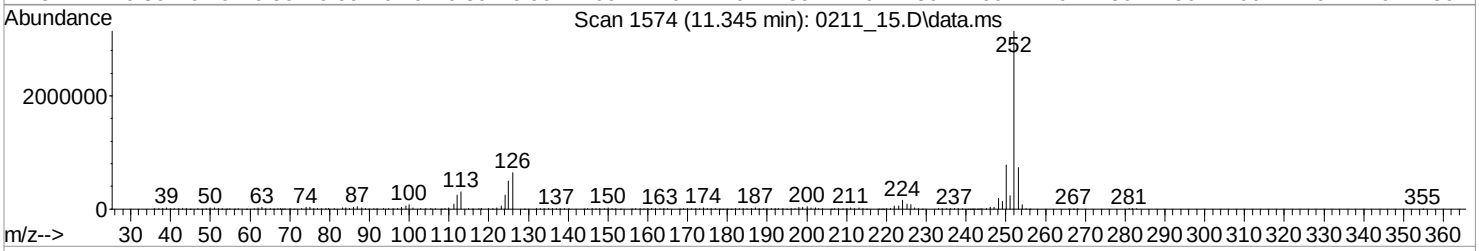
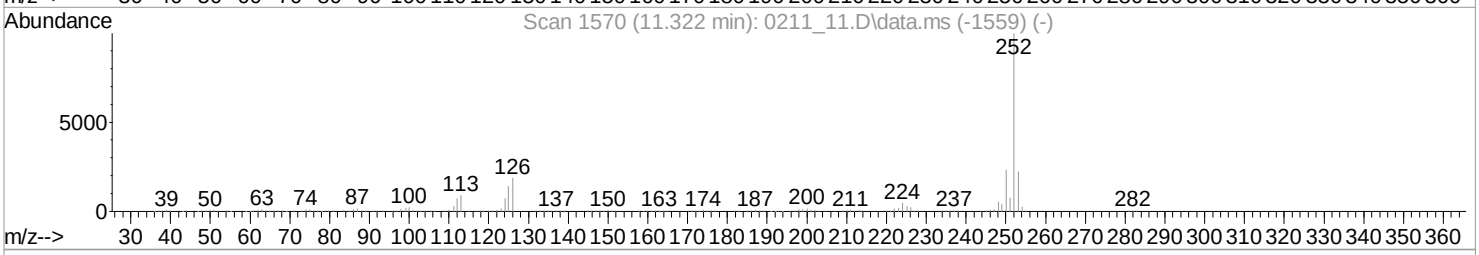
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_15.D\data.ms

(95) Benzo(b)fluoranthene (MT)

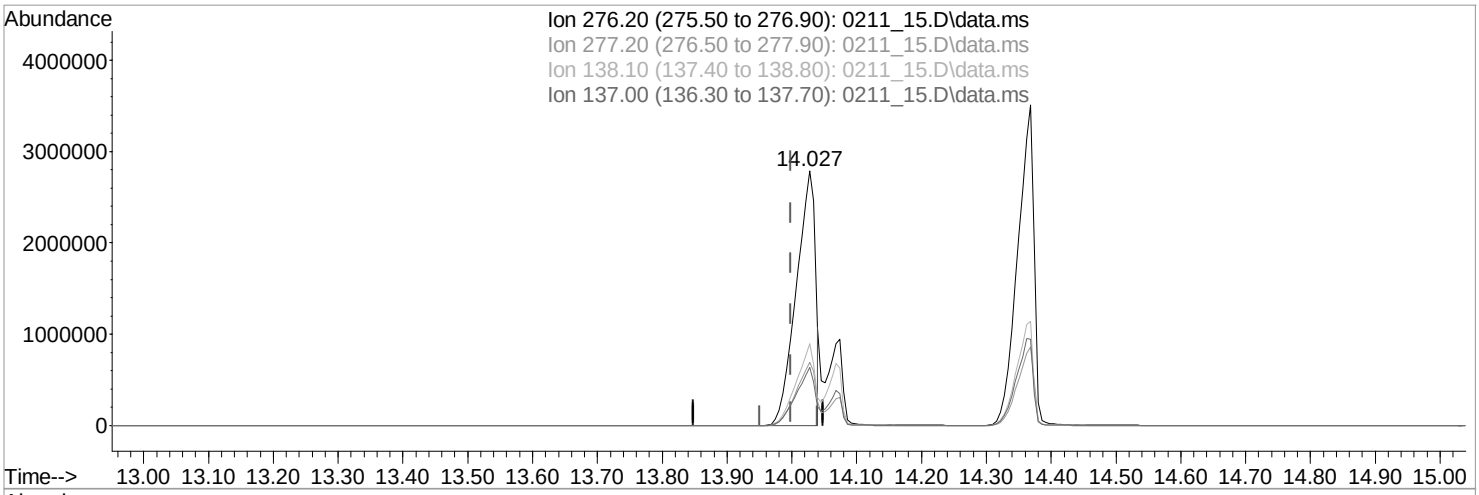
11.345min (+0.024) 49922.3031621 ppb m

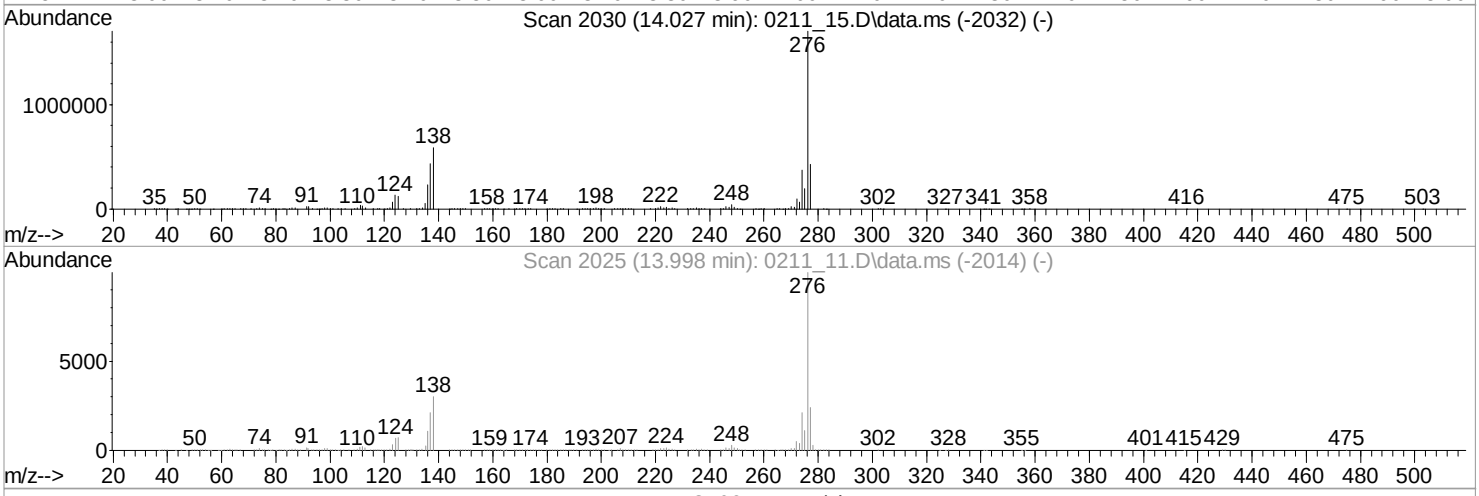
response 7079916

Ion	Exp%	Act%
252.10	100	100
253.10	22.10	23.15
125.90	18.50	20.47
113.00	8.80	9.62

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
Operator : 917
Sample : STD SVMS 50K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 12 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:26:28 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_15.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

14.027min (+0.029) 49336.2022392 ppb

Qvalue = 97

response 5670684

Ion	Exp%	Act%
276.20	100	100
277.20	24.10	24.89
138.10	30.00	32.06
137.00	21.20	22.87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 16.D
Acq On : 11 Feb 2022 2:57 pm
Operator : 917
Sample : STD TCL 1K1 ppb 22B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 13 Sample Multiplier: 1
InstName : BNAMS20

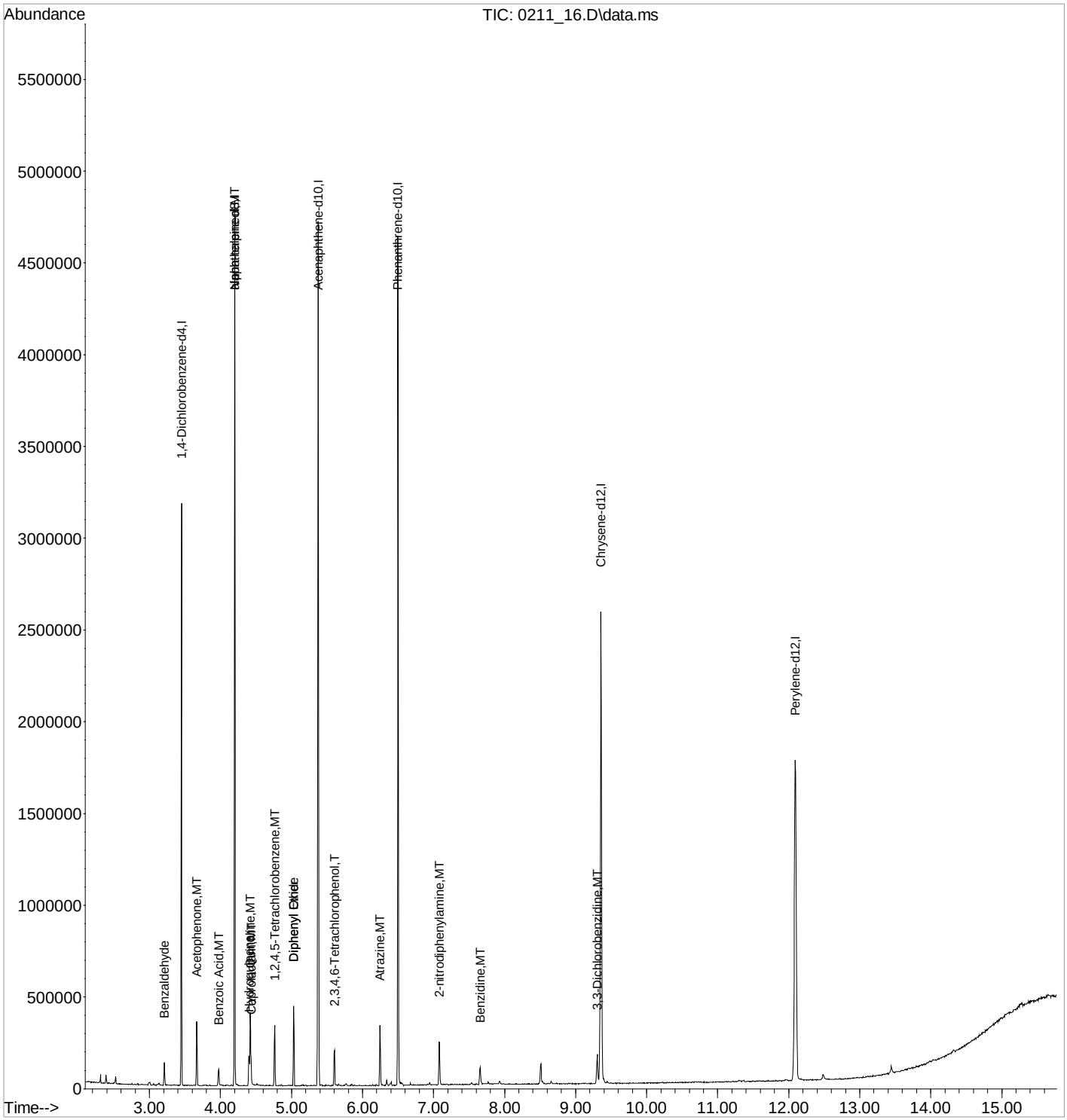
Quant Time: Feb 11 17:17:50 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:17:16 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.451	152	327045	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.198	136	1325256	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	725237	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1316680	8000.0000000	ppb		0.00
84) Chrysene-d12	9.357	240	1083598	8000.0000000	ppb		0.00
94) Perylene-d12	12.092	264	1019864	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.210	105	15035	1139.8661704	ppb		93
22) Acetophenone	3.663	105	66101	1055.0173026	ppb		97
31) Benzoic Acid	3.975	105	21468	827.2261275	ppb	#	45
33) alpha-terpineol	4.198	59	41782	1196.8611859	ppb		97
37) Hydroquinone	4.404	110	46804	1040.3172445	ppb		92
38) Quinoline	4.416	129	103138	1192.4611387	ppb		98
39) Caprolactam	4.434	113	14569	1019.0171351	ppb	#	83
43) 1,2,4,5-Tetrachloroben...	4.763	216	41230	1263.9376682	ppb		97
44) Diphenyl Ether	5.028	170	64344	1229.8541763	ppb		99
45) Diphenyl Oxide	5.028	170	64344	1229.8541763	ppb		99
62) 2,3,4,6-Tetrachlorophenol	5.604	232	19011	970.0057802	ppb		94
69) Atrazine	6.245	200	25133	940.4963619	ppb	#	84
82) 2-nitrodiphenylamine	7.081	167	24503	767.8302298	ppb		89
85) Benzidine	7.657	184	41066	611.2007614	ppb	#	100
89) 3,3-Dichlorobenzidine	9.304	252	42596	918.2351517	ppb		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 16.D
Acq On : 11 Feb 2022 2:57 pm
Operator : 917
Sample : STD TCL 1K1 ppb 22B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 13 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:17:50 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:17:16 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 17.D
Acq On : 11 Feb 2022 3:19 pm
Operator : 917
Sample : STD TCL 2K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 14 Sample Multiplier: 1
InstName : BNAMS20

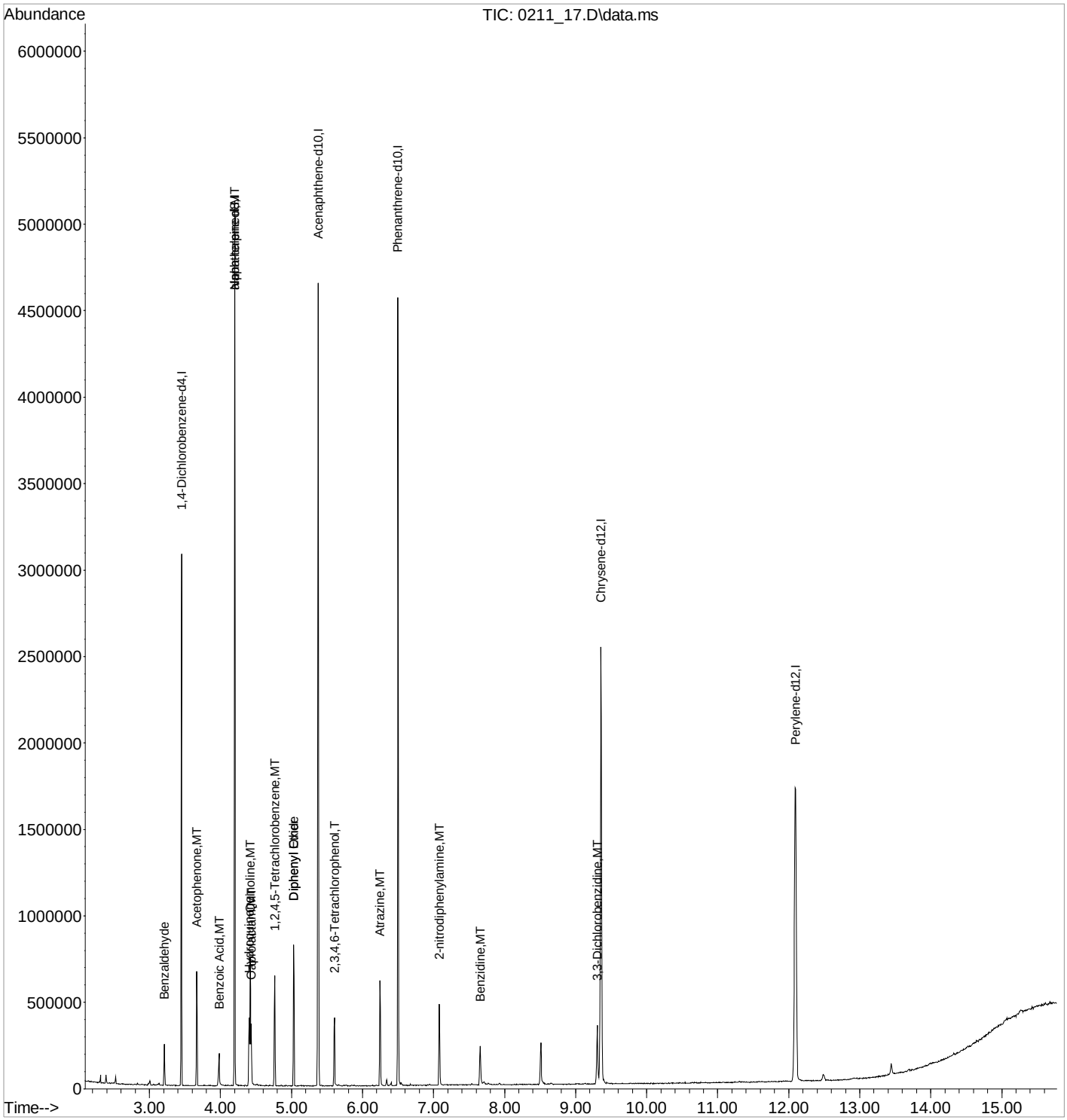
Quant Time: Feb 11 17:18:40 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:18:11 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.452	152	324233	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.199	136	1341799	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	709051	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1305263	8000.0000000	ppb		0.00
84) Chrysene-d12	9.357	240	1082719	8000.0000000	ppb		0.00
94) Perylene-d12	12.098	264	1020410	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.210	105	27477	1963.8731287	ppb		97
22) Acetophenone	3.663	105	127886	2003.7307741	ppb		99
31) Benzoic Acid	3.981	105	49203	2049.6242653	ppb	#	51
33) alpha-terpineol	4.199	59	78225	2014.8365719	ppb		97
37) Hydroquinone	4.404	110	96550	2077.6850541	ppb		95
38) Quinoline	4.416	129	200103	2084.4406573	ppb		98
39) Caprolactam	4.434	113	30867	2112.2653346	ppb		98
43) 1,2,4,5-Tetrachloroben...	4.763	216	77874	2082.9682513	ppb		99
44) Diphenyl Ether	5.028	170	124613	2109.9626336	ppb		99
45) Diphenyl Oxide	5.028	170	124613	2109.9626336	ppb		99
62) 2,3,4,6-Tetrachlorophenol	5.604	232	38013	2014.0325266	ppb		98
69) Atrazine	6.245	200	49142	1938.5868299	ppb	#	76
82) 2-nitrodiphenylamine	7.081	167	48785	1744.6322926	ppb		93
85) Benzidine	7.657	184	98474	1820.7731356	ppb	#	100
89) 3,3-Dichlorobenzidine	9.304	252	87747	1973.7764387	ppb		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 17.D
Acq On : 11 Feb 2022 3:19 pm
Operator : 917
Sample : STD TCL 2K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 14 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:18:40 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:18:11 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 18.D
Acq On : 11 Feb 2022 3:41 pm
Operator : 917
Sample : STD TCL 5K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 15 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:19:27 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:18:57 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

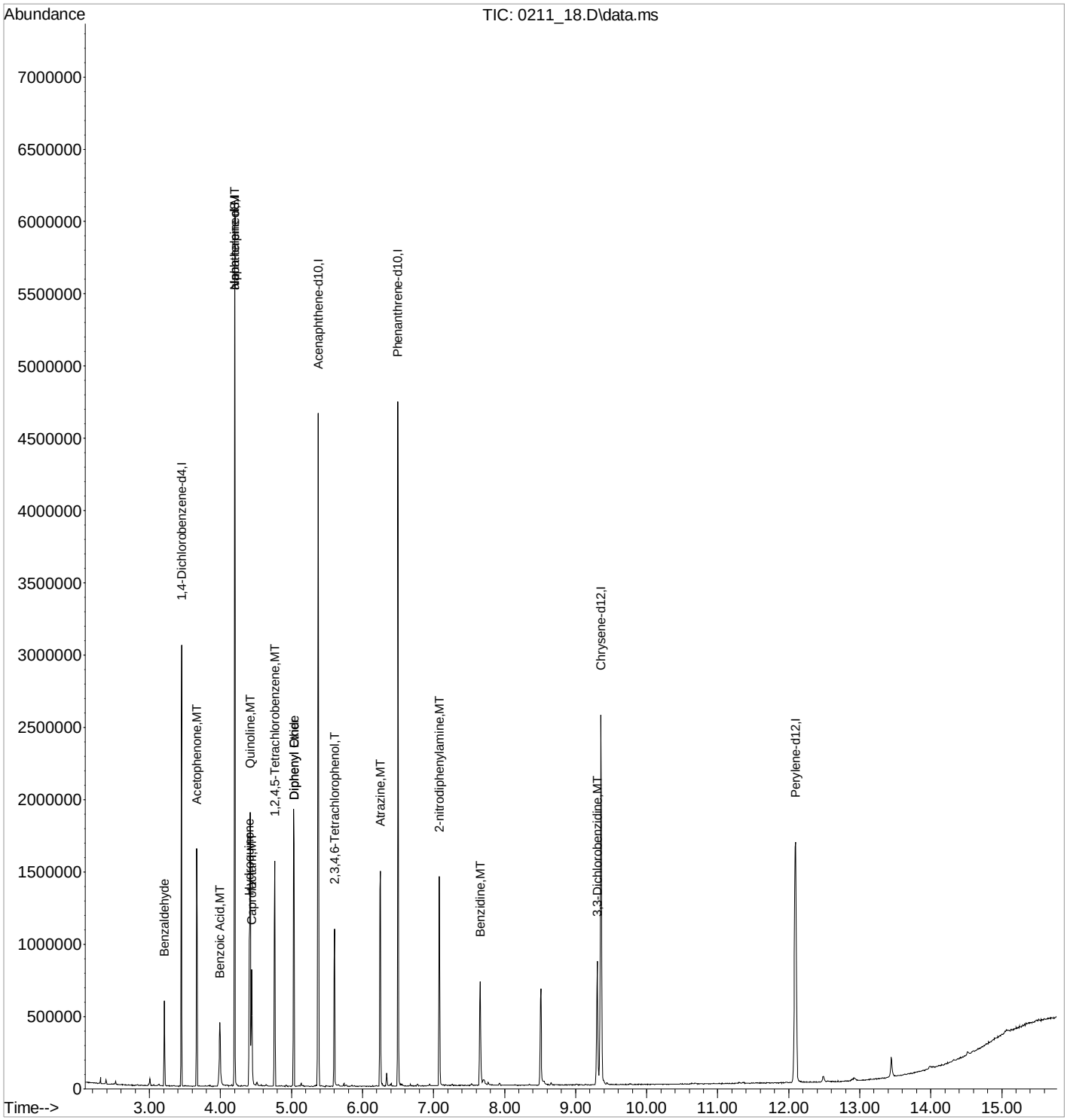
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.451	152	318667	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.198	136	1386288	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	718114	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1297795	8000.0000000	ppb		0.00
84) Chrysene-d12	9.357	240	1069583	8000.0000000	ppb		0.00
94) Perylene-d12	12.098	264	990730	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.210	105	67456	4935.2331698	ppb		98
22) Acetophenone	3.663	105	322066	5131.1109831	ppb		100
31) Benzoic Acid	3.993	105	139384	5573.8136222	ppb	#	51
33) alpha-terpineol	4.198	59	204688	5090.3548086	ppb		100
37) Hydroquinone	4.404	110	256397	5272.1460919	ppb		98
38) Quinoline	4.416	129	510331	5074.0235286	ppb		98
39) Caprolactam	4.440	113	82876	5388.4751336	ppb		99
43) 1,2,4,5-Tetrachloroben...	4.763	216	191264	4884.1962111	ppb		99
44) Diphenyl Ether	5.034	170	312372	5027.2468071	ppb		99
45) Diphenyl Oxide	5.034	170	312372	5027.2468071	ppb		99
62) 2,3,4,6-Tetrachlorophenol	5.604	232	99977	5217.9990209	ppb		95
69) Atrazine	6.251	200	131647	5180.7855644	ppb	#	80
82) 2-nitrodiphenylamine	7.081	167	145053	5449.1060324	ppb		97
85) Benzidine	7.657	184	310822	5996.7763505	ppb	#	100
89) 3,3-Dichlorobenzidine	9.304	252	233296	5335.5172335	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 18.D
Acq On : 11 Feb 2022 3:41 pm
Operator : 917
Sample : STD TCL 5K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 15 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:19:27 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:18:57 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 19.D
Acq On : 11 Feb 2022 4:03 pm
Operator : 917
Sample : MSTD TCL 10K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 16 Sample Multiplier: 1
InstName : BNAMS20

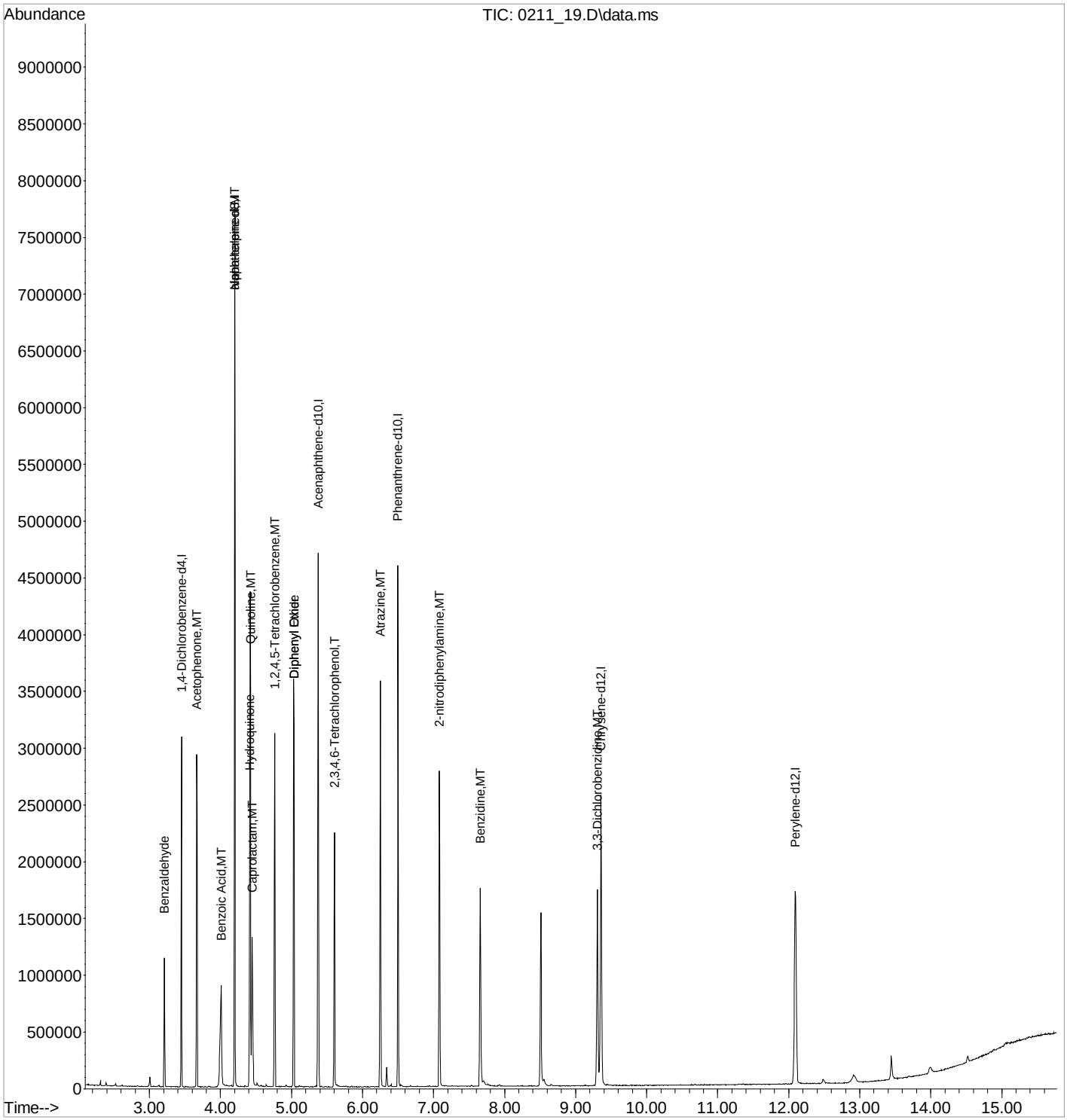
Quant Time: Feb 11 17:16:55 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:16:15 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.451	152	322623	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.198	136	1495812	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	721901	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1287860	8000.0000000	ppb		0.00
84) Chrysene-d12	9.357	240	1080620	8000.0000000	ppb		0.00
94) Perylene-d12	12.092	264	1000476	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.210	105	130118	10000.0000000	ppb		100
22) Acetophenone	3.663	105	618068	9990.1725621	ppb		100
31) Benzoic Acid	4.010	105	292917	10032.4004781	ppb	#	52
33) alpha-terpineol	4.198	59	394024	10000.0000000	ppb		100
37) Hydroquinone	4.410	110	507802	9777.5321745	ppb		100
38) Quinoline	4.422	129	976229	10000.0000000	ppb		100
39) Caprolactam	4.445	113	161371	9990.7751362	ppb		100
43) 1,2,4,5-Tetrachloroben...	4.763	216	368184	10000.0000000	ppb		100
44) Diphenyl Ether	5.034	170	590516	10000.0000000	ppb		100
45) Diphenyl Oxide	5.034	170	590516	10000.0000000	ppb		100
62) 2,3,4,6-Tetrachlorophenol	5.604	232	195087	9999.2824230	ppb		100
69) Atrazine	6.251	200	266002	9900.7328720	ppb	#	81
82) 2-nitrodiphenylamine	7.080	167	312135	10000.0000000	ppb		100
85) Benzidine	7.657	184	670044	9990.6660504	ppb	#	100
89) 3,3-Dichlorobenzidine	9.310	252	462615	9993.3898009	ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 19.D
Acq On : 11 Feb 2022 4:03 pm
Operator : 917
Sample : MSTD TCL 10K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 16 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:16:55 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:16:15 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050322\
Data File : 0503 04.D
Acq On : 3 May 2022 6:07 am
Operator : 917
Sample : ICV TCL 10K1 ppb 22D19628 exp 09/10/22
Misc : TCL CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 03 06:32:42 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

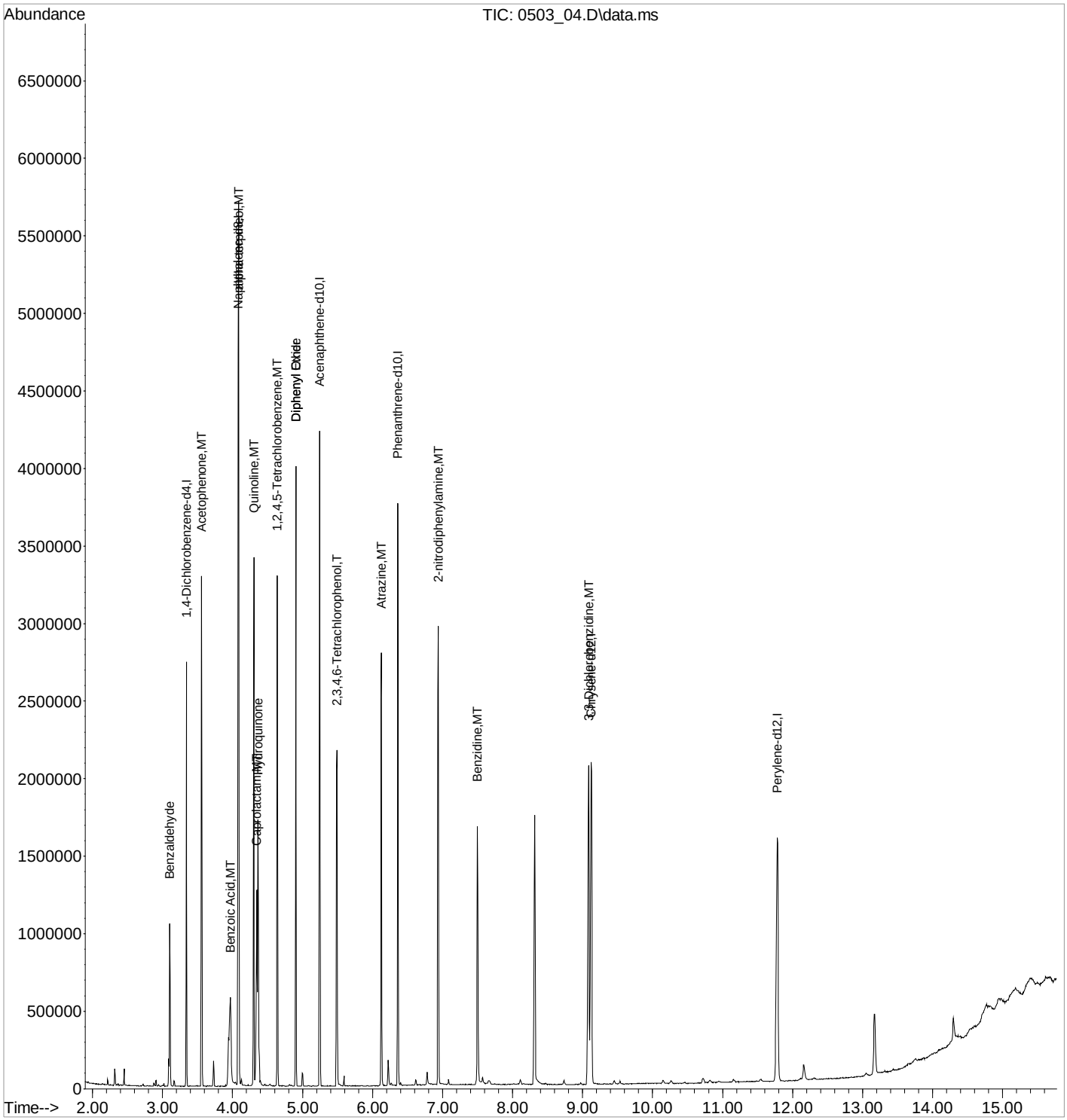
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.340	152	292375	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.081	136	1333273	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.245	164	618799	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.363	188	1107970	8000.0000000	ppb		0.00
84) Chrysene-d12	9.122	240	942719	8000.0000000	ppb		0.00
94) Perylene-d12	11.780	264	940019	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.104	105	151799	11818.0895536	ppb		91
22) Acetophenone	3.557	105	648991	10861.5478117	ppb		93
31) Benzoic Acid	3.969	105	331504	12868.6935369	ppb	#	66
33) alpha-terpineol	4.087	59	383951	10836.0918067	ppb		89
37) Hydroquinone	4.363	110	498239m	11448.4245149	ppb		
38) Quinoline	4.304	129	932175	10259.0305266	ppb		98
39) Caprolactam	4.345	113	164903	11954.3623848	ppb	#	82
43) 1,2,4,5-Tetrachloroben...	4.640	216	409458	11645.6928717	ppb		99
44) Diphenyl Ether	4.904	170	604387	10815.0129604	ppb		93
45) Diphenyl Oxide	4.904	170	604387	10815.0129604	ppb		93
62) 2,3,4,6-Tetrachlorophenol	5.492	232	232402	12809.5864518	ppb		89
69) Atrazine	6.128	200	273262	11372.0307215	ppb	#	79
82) 2-nitrodiphenylamine	6.939	167	379432	11192.3252996	ppb		94
85) Benzidine	7.498	184	634584	9008.5682780	ppb	#	100
89) 3,3-Dichlorobenzidine	9.086	252	560533	12587.6578455	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050322\
Data File : 0503 04.D
Acq On : 3 May 2022 6:07 am
Operator : 917
Sample : ICV TCL 10K1 ppb 22D19628 exp 09/10/22
Misc : TCL CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 03 06:32:42 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 20.D
Acq On : 11 Feb 2022 4:25 pm
Operator : 917
Sample : STD TCL 20K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 17 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:21:28 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:19:47 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

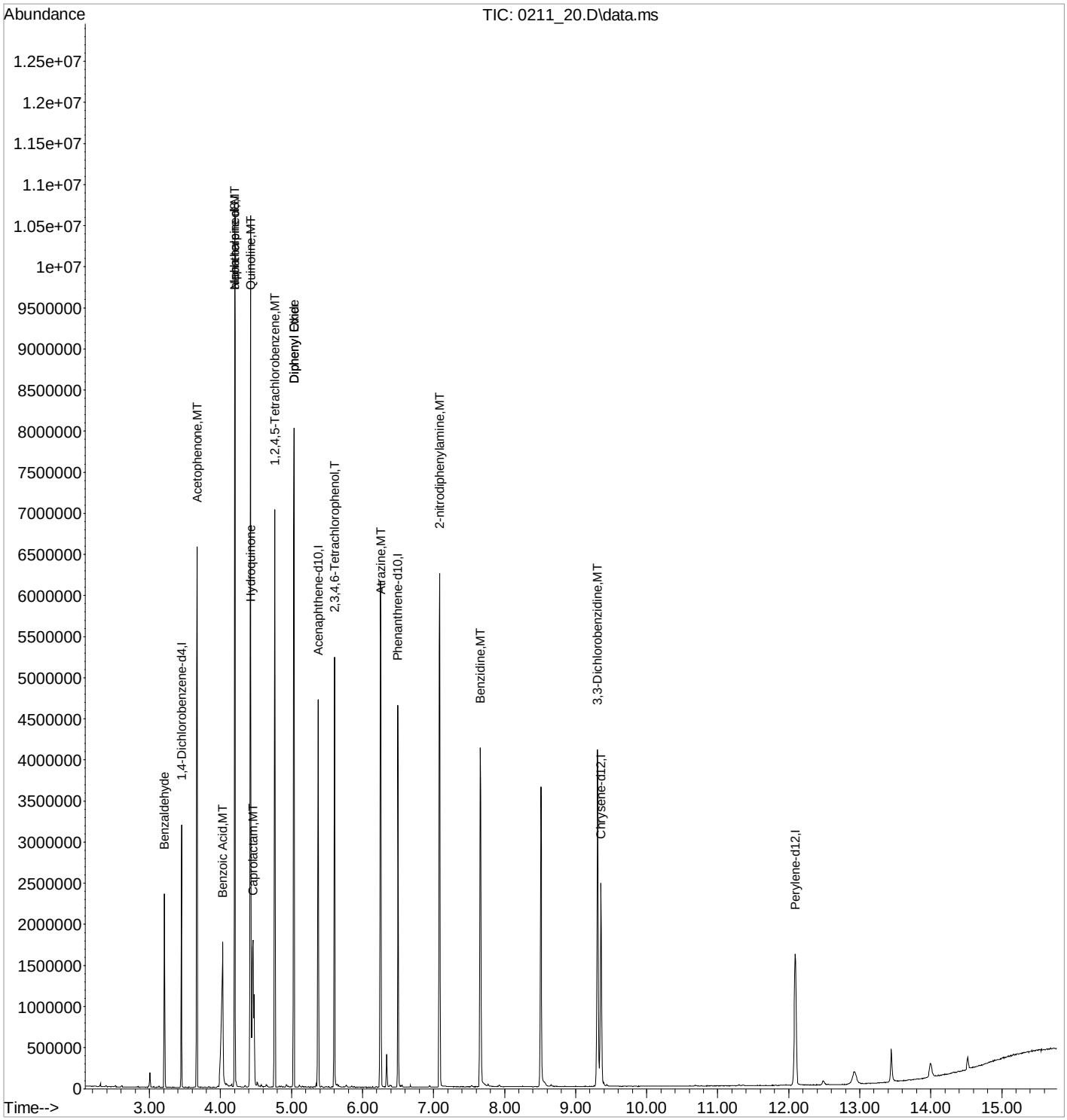
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.451	152	321948	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.198	136	1687167	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	718796	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1268457	8000.0000000	ppb		0.00
84) Chrysene-d12	9.357	240	1052838	8000.0000000	ppb		0.00
94) Perylene-d12	12.092	264	967987	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.210	105	284207	20648.1857262	ppb		98
22) Acetophenone	3.669	105	1345580	21080.9250934	ppb		99
31) Benzoic Acid	4.034	105	728870	23280.9222408	ppb	#	54
33) alpha-terpineol	4.204	59	863639	17568.1365567	ppb		86
37) Hydroquinone	4.428	110	1146844m	19116.3293189	ppb		
38) Quinoline	4.422	129	2102630	17114.1108828	ppb		99
39) Caprolactam	4.457	113	354211	18562.6419097	ppb		93
43) 1,2,4,5-Tetrachloroben...	4.763	216	810943	17114.6311952	ppb		99
44) Diphenyl Ether	5.034	170	1274572	16831.6472077	ppb		99
45) Diphenyl Oxide	5.034	170	1274572	16831.6472077	ppb		99
62) 2,3,4,6-Tetrachlorophenol	5.604	232	434931	22433.8505483	ppb		99
69) Atrazine	6.257	200	591424	23044.2864113	ppb	#	80
82) 2-nitrodiphenylamine	7.086	167	752389	28283.0992100	ppb		98
85) Benzidine	7.657	184	1608595	30031.9221469	ppb	#	100
89) 3,3-Dichlorobenzidine	9.310	252	1060072	24223.2443719	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 20.D
Acq On : 11 Feb 2022 4:25 pm
Operator : 917
Sample : STD TCL 20K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 17 Sample Multiplier: 1
InstName : BNAMS20

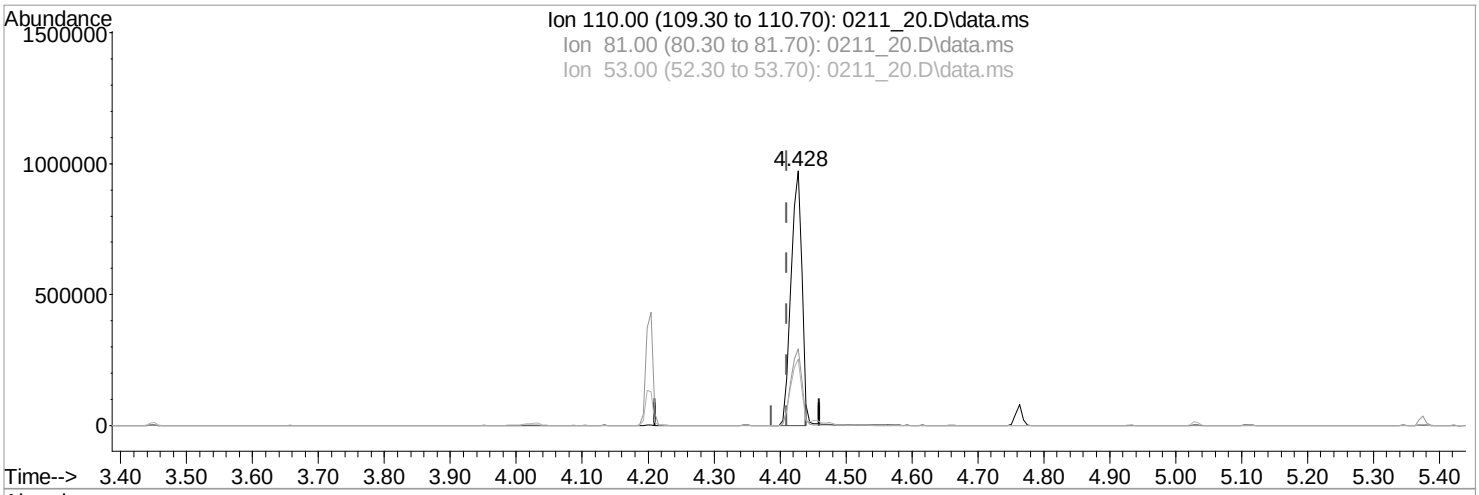
Quant Time: Feb 11 17:21:28 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:19:47 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

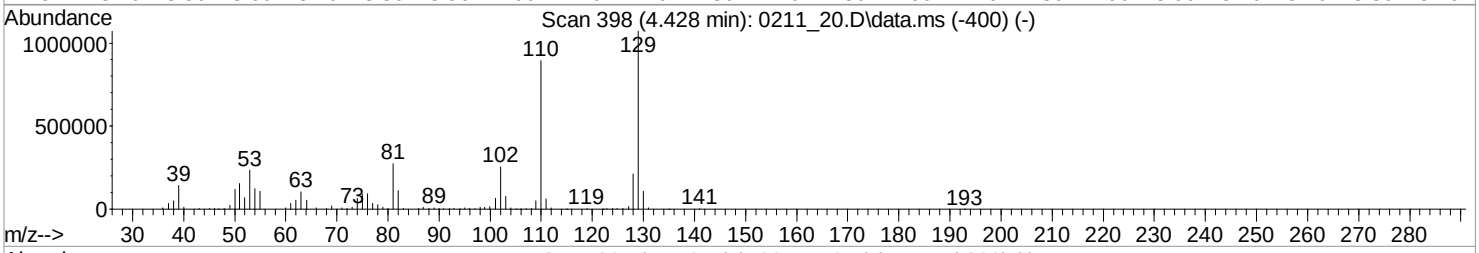


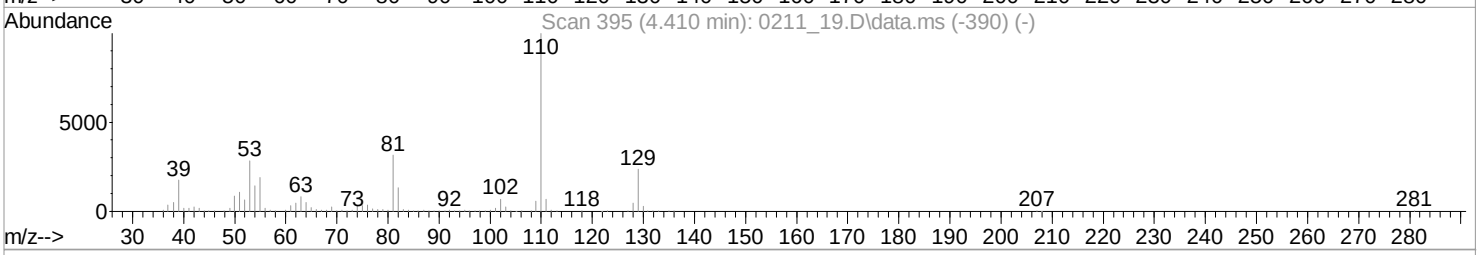
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 20.D
Acq On : 11 Feb 2022 4:25 pm
Operator : 917
Sample : STD TCL 20K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 17 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:20:52 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:19:47 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_20.D\data.ms

(37) Hydroquinone

4.428min (+0.018) 18772.4052779 ppb

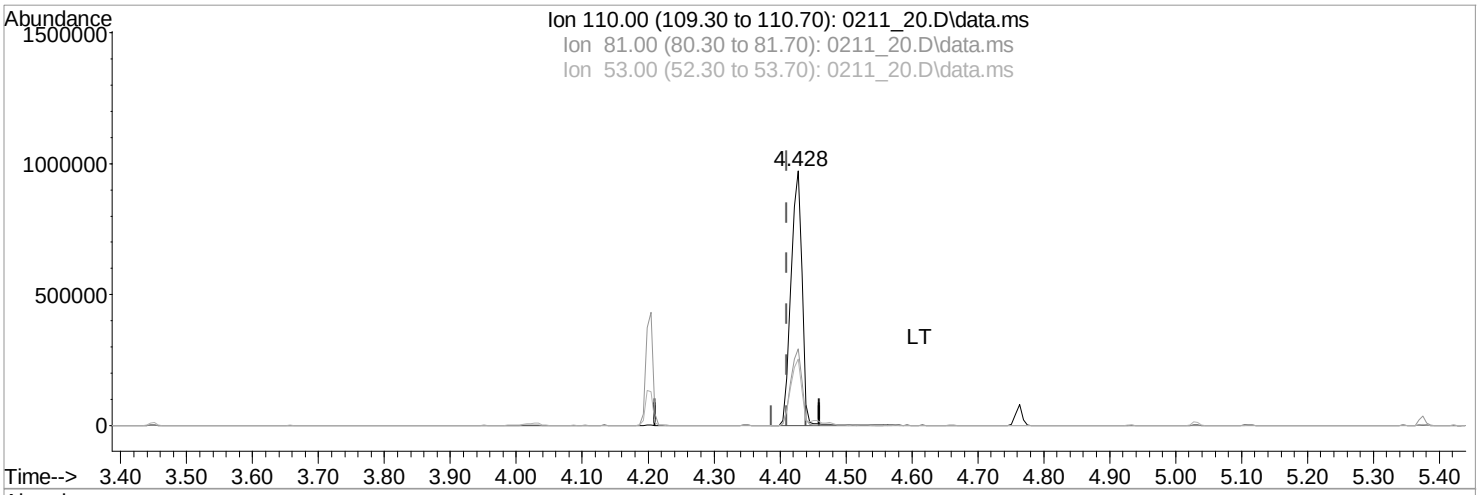
Qvalue = 97

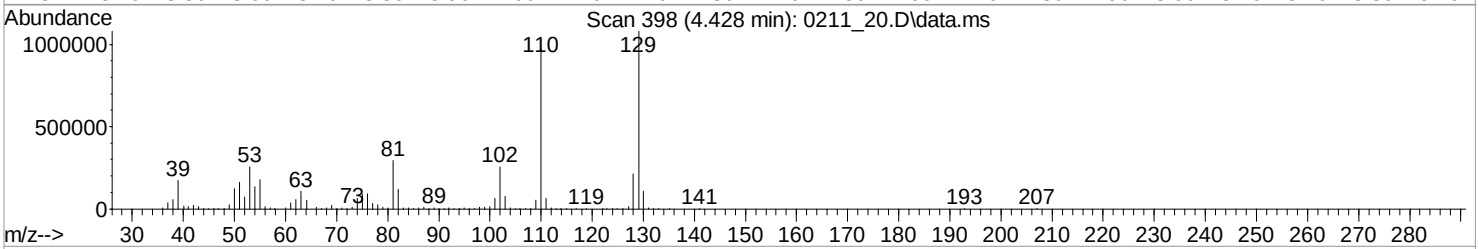
response 1126211

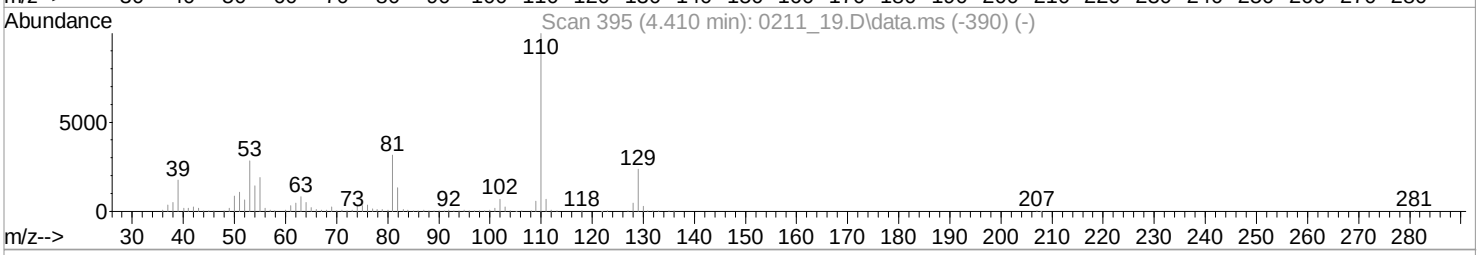
Ion	Exp%	Act%
110.00	100	100
81.00	31.60	30.18
53.00	28.10	26.12
0.00	0.00	0.00

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 20.D
Acq On : 11 Feb 2022 4:25 pm
Operator : 917
Sample : STD TCL 20K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 17 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:20:52 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:19:47 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_20.D\data.ms

(37) Hydroquinone

4.428min (+0.018) 19116.3293189 ppb m

response 1146844

Ion	Exp%	Act%
110.00	100	100
81.00	31.60	30.21
53.00	28.10	26.14
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 21.D
Acq On : 11 Feb 2022 4:46 pm
Operator : 917
Sample : STD TCL 30K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 18 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:23:22 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:22:45 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

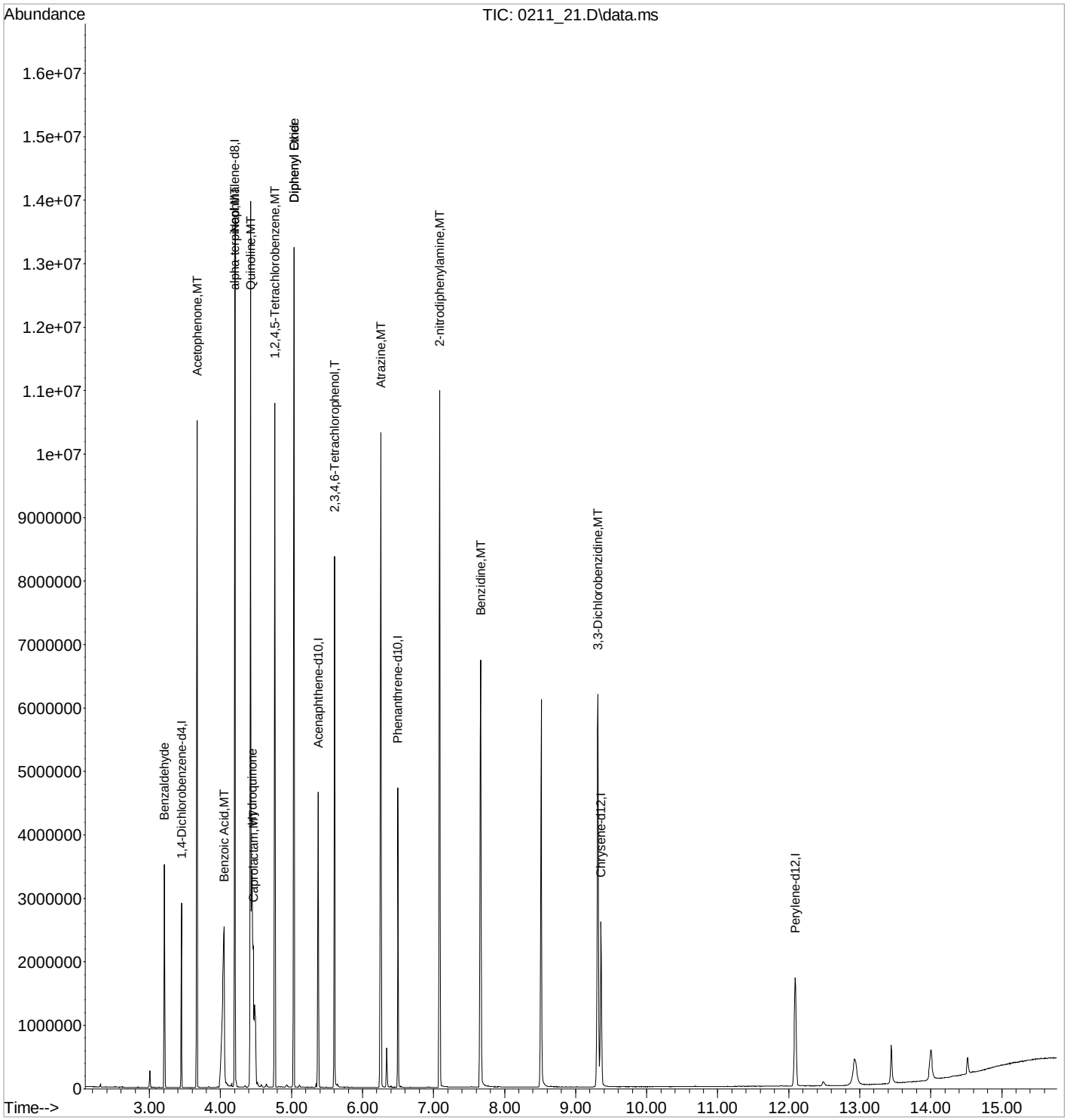
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.451	152	311106	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.199	136	1895333	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	724682	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1279268	8000.0000000	ppb		0.00
84) Chrysene-d12	9.357	240	1085391	8000.0000000	ppb		0.00
94) Perylene-d12	12.092	264	987457	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.210	105	423103	31326.2055104	ppb		99
22) Acetophenone	3.669	105	2012848	31880.2047936	ppb		99
31) Benzoic Acid	4.051	105	1164310	31691.6900739	ppb	#	52
33) alpha-terpineol	4.204	59	1299980	24940.3330517	ppb		89
37) Hydroquinone	4.446	110	1770540m	27019.0203984	ppb		
38) Quinoline	4.422	129	3145127	24348.9712947	ppb		96
39) Caprolactam	4.463	113	554693	26811.7329069	ppb	#	77
43) 1,2,4,5-Tetrachloroben...	4.763	216	1242688	24862.8915891	ppb		99
44) Diphenyl Ether	5.034	170	1943820	24468.1726479	ppb		99
45) Diphenyl Oxide	5.034	170	1943820	24468.1726479	ppb		99
62) 2,3,4,6-Tetrachlorophenol	5.604	232	678310	33164.0459337	ppb		95
69) Atrazine	6.257	200	909724	33356.4572687	ppb	#	80
82) 2-nitrodiphenylamine	7.087	167	1227573	39562.0398790	ppb		97
85) Benzidine	7.663	184	2569089	39582.4258697	ppb	#	100
89) 3,3-Dichlorobenzidine	9.316	252	1687467	34750.8429883	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 21.D
Acq On : 11 Feb 2022 4:46 pm
Operator : 917
Sample : STD TCL 30K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 18 Sample Multiplier: 1
InstName : BNAMS20

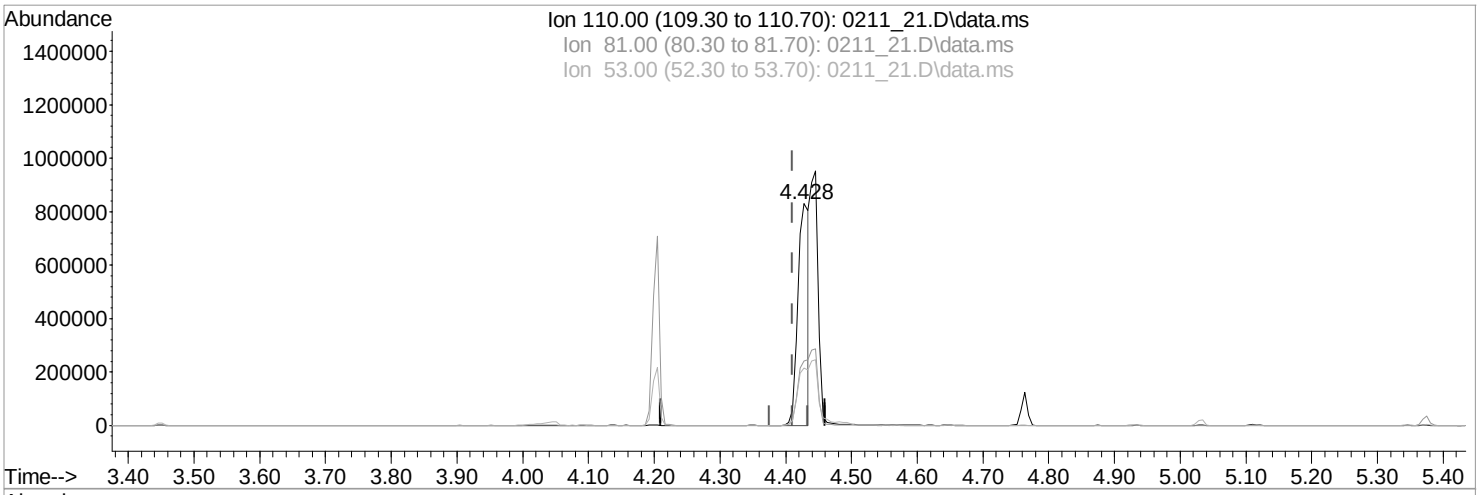
Quant Time: Feb 11 17:23:22 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:22:45 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

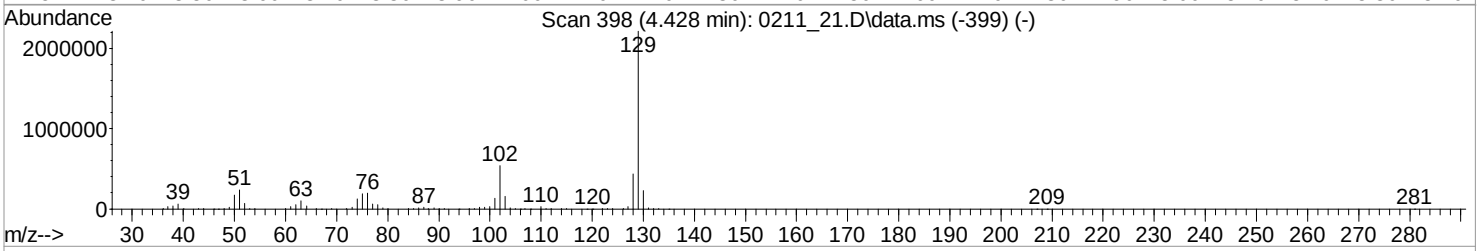


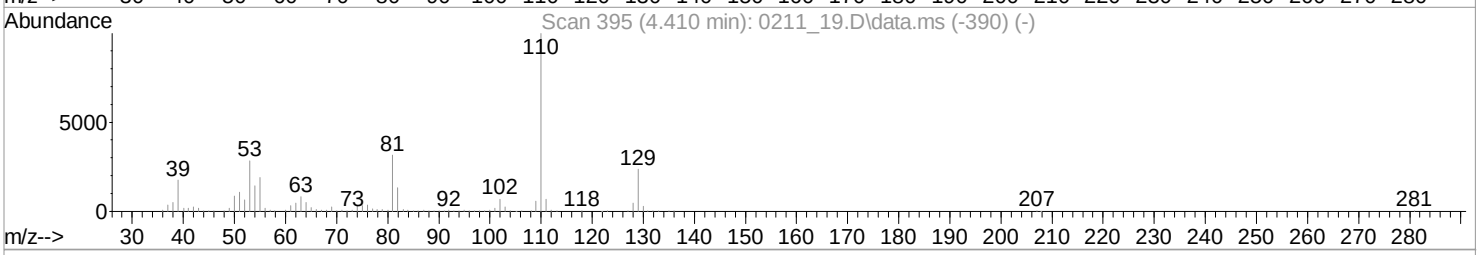
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 21.D
Acq On : 11 Feb 2022 4:46 pm
Operator : 917
Sample : STD TCL 30K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 18 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:21:54 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:21:51 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_21.D\data.ms

(37) Hydroquinone

4.428min (+0.018) 14468.9042940 ppb

Qvalue = 96

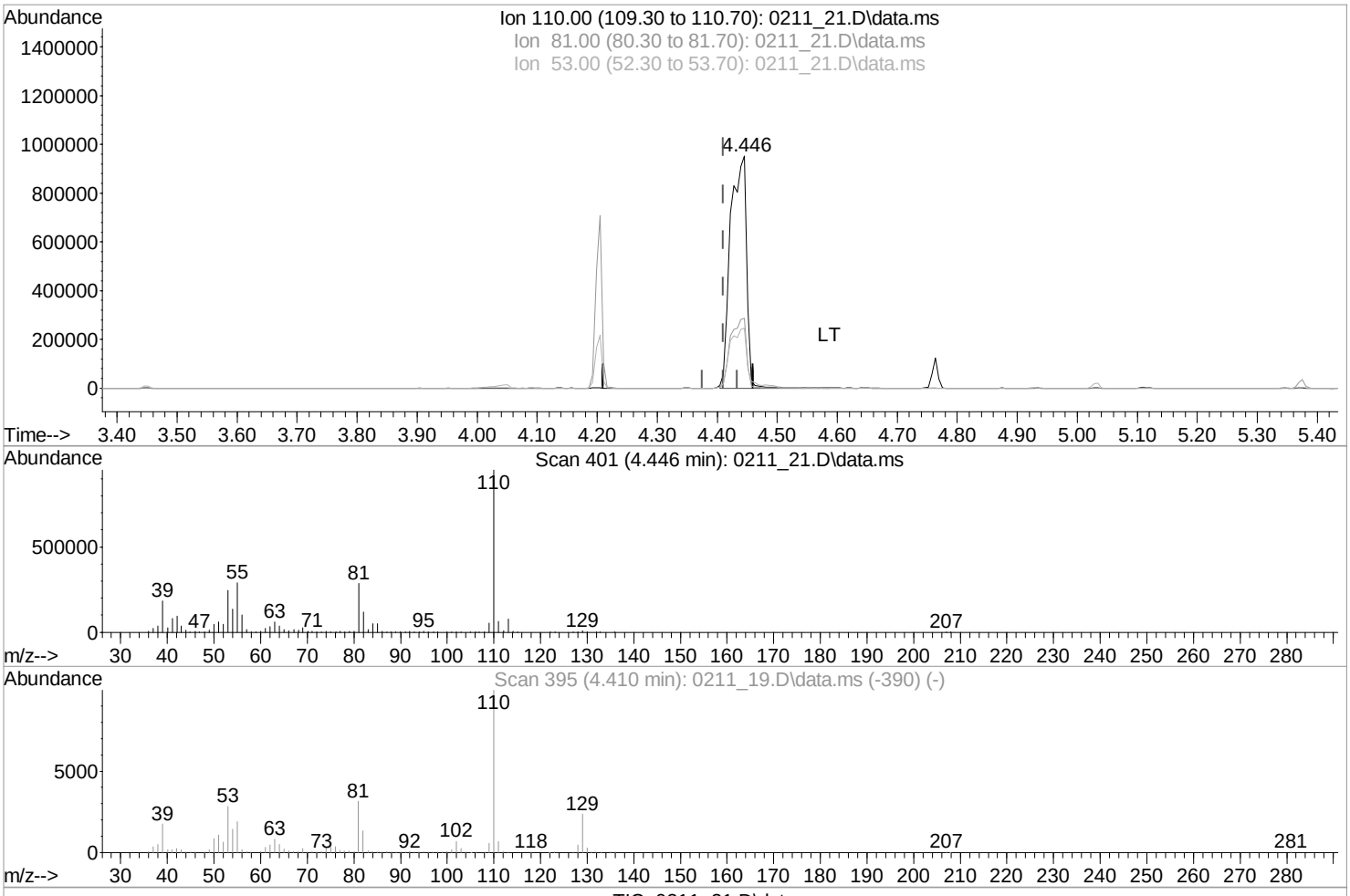
response 966514

Ion	Exp%	Act%
110.00	100	100
81.00	31.60	29.18
53.00	28.10	25.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 21.D
Acq On : 11 Feb 2022 4:46 pm
Operator : 917
Sample : STD TCL 30K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 18 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:22:48 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:22:45 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0211_21.D\data.ms

(37) Hydroquinone

4.446min (+0.035) 27019.0203984 ppb m

response 1770540

Ion	Exp%	Act%
110.00	100	100
81.00	31.60	30.03
53.00	28.10	25.79
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 22.D
Acq On : 11 Feb 2022 5:08 pm
Operator : 917
Sample : STD TCL 40K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 19 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:25:56 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:23:27 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

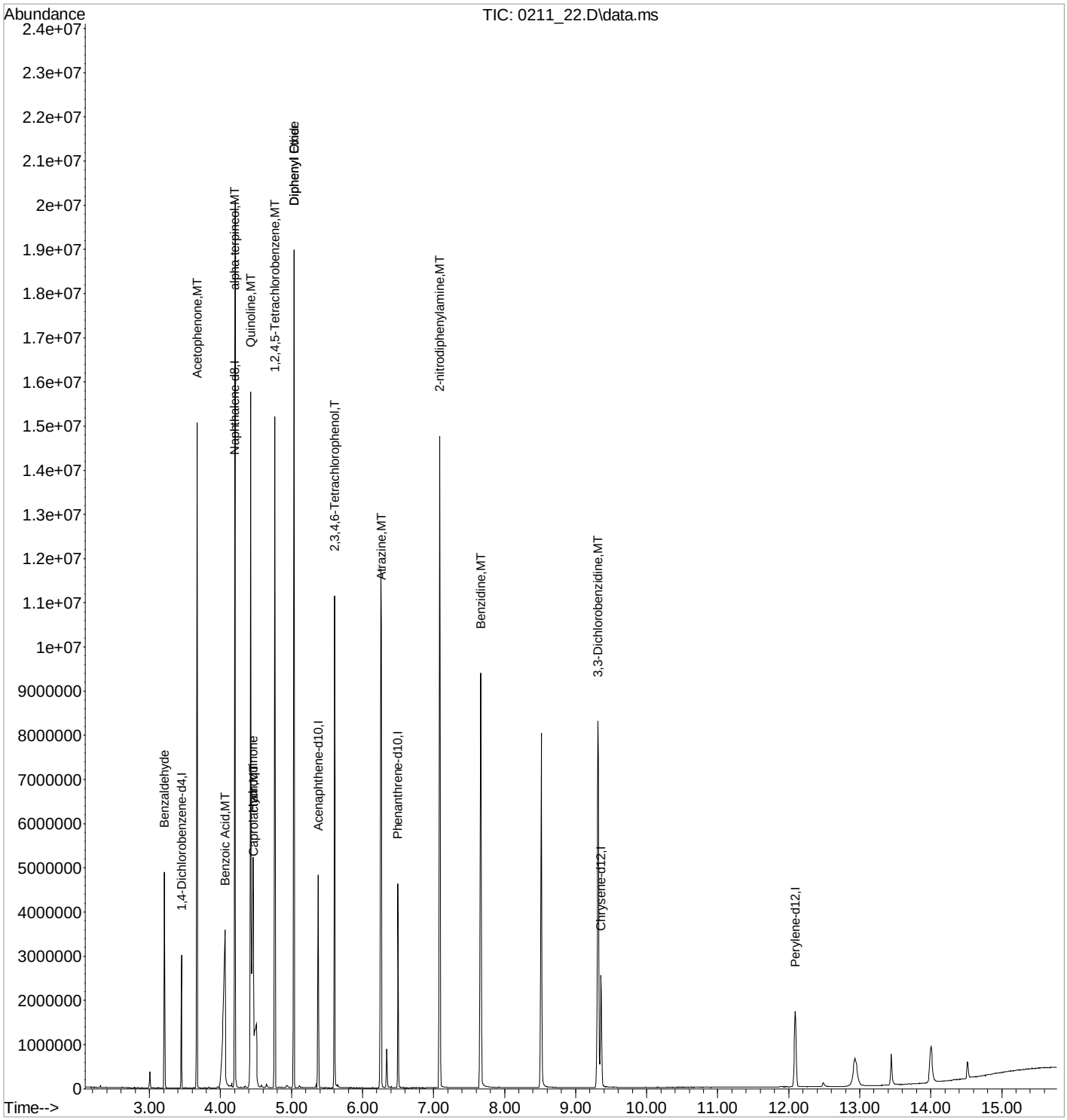
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.451	152	322976	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.198	136	2156188	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	746114	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1300648	8000.0000000	ppb		0.00
84) Chrysene-d12	9.357	240	1070050	8000.0000000	ppb		0.00
94) Perylene-d12	12.092	264	975070	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.210	105	593522	42328.8670918	ppb		98
22) Acetophenone	3.669	105	2748561	41932.7782503	ppb		99
31) Benzoic Acid	4.063	105	1689869	40432.3246009	ppb	#	54
33) alpha-terpineol	4.204	59	1813221	30578.4324092	ppb		89
37) Hydroquinone	4.457	110	2418891m	32460.6618334	ppb		
38) Quinoline	4.422	129	4262971	29010.3994401	ppb		94
39) Caprolactam	4.463	113	771778	32791.6668621	ppb	#	78
43) 1,2,4,5-Tetrachloroben...	4.763	216	1748878	30757.2813855	ppb		99
44) Diphenyl Ether	5.034	170	2688901	29752.2080422	ppb		99
45) Diphenyl Oxide	5.034	170	2688901	29752.2080422	ppb		99
62) 2,3,4,6-Tetrachlorophenol	5.604	232	968860	46008.9793972	ppb		93
69) Atrazine	6.263	200	1273467	45352.3971352	ppb	#	80
82) 2-nitrodiphenylamine	7.086	167	1718782	54482.1082181	ppb		95
85) Benzidine	7.663	184	3577928	55916.1162447	ppb	#	100
89) 3,3-Dichlorobenzidine	9.316	252	2341227	48905.2771411	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 22.D
Acq On : 11 Feb 2022 5:08 pm
Operator : 917
Sample : STD TCL 40K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 19 Sample Multiplier: 1
InstName : BNAMS20

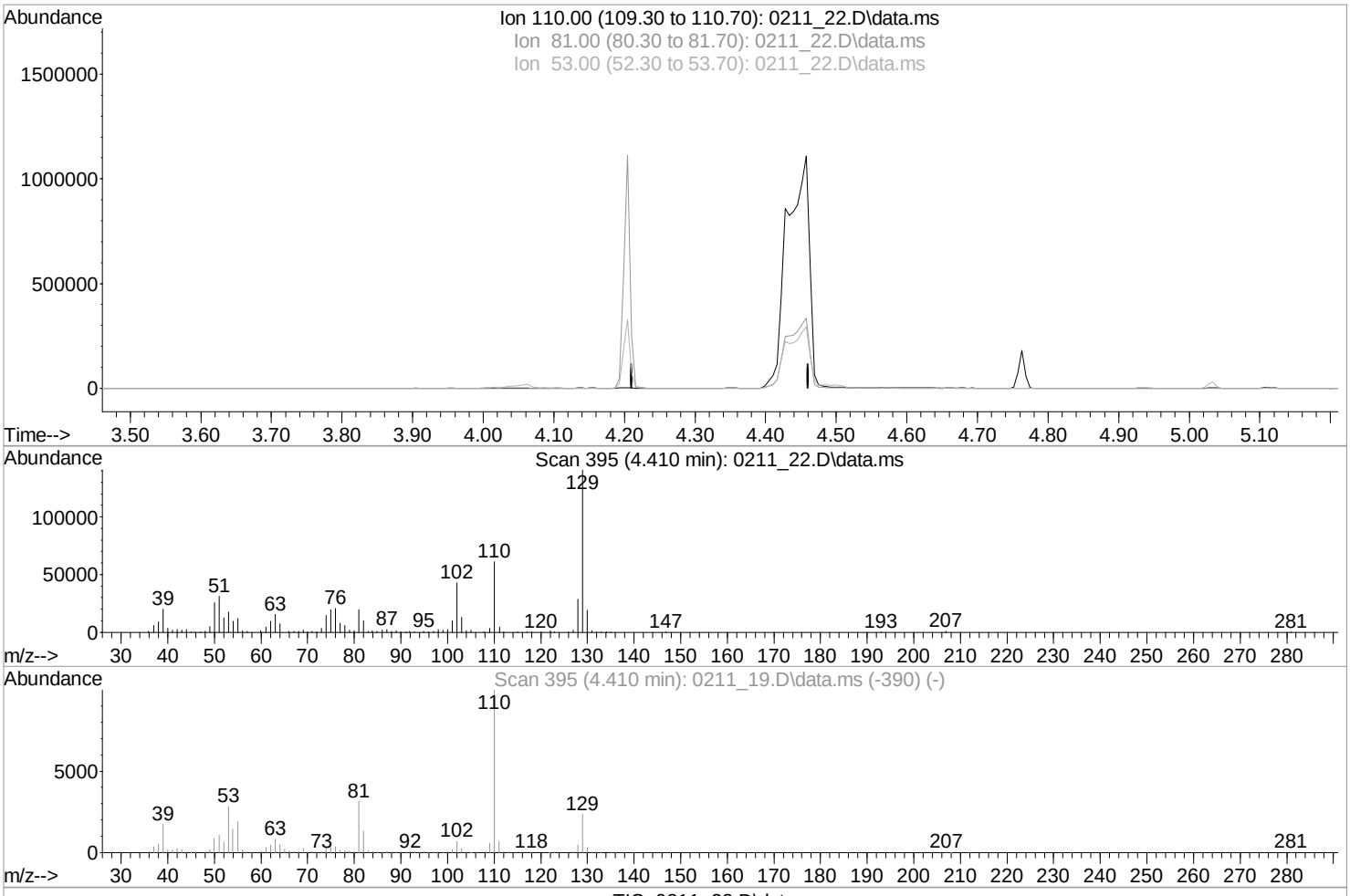
Quant Time: Feb 11 17:25:56 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:23:27 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 22.D
Acq On : 11 Feb 2022 5:08 pm
Operator : 917
Sample : STD TCL 40K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 19 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:25:23 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:23:27 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0211_22.D\data.ms

(37) Hydroquinone

4.410min (-4.410) 0.0000000 ppb

Qvalue = 0

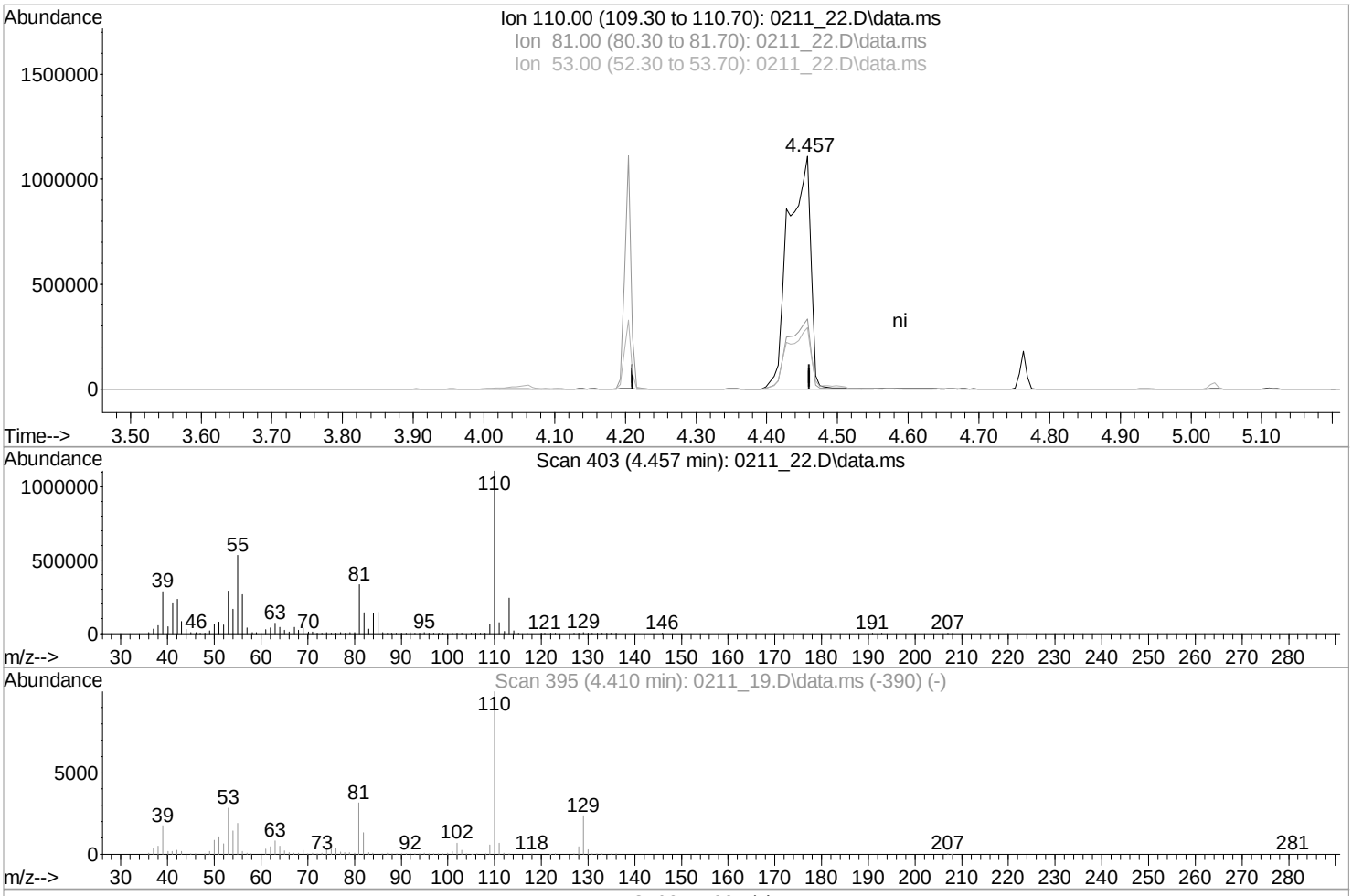
response 0

Ion	Exp%	Act%
110.00	100	0.00
81.00	31.60	0.00#
53.00	28.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 22.D
Acq On : 11 Feb 2022 5:08 pm
Operator : 917
Sample : STD TCL 40K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 19 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:25:23 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:23:27 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0211_22.D\data.ms

(37) Hydroquinone

4.457min (+0.047) 32460.6618334 ppb m

response 2418891

Ion	Exp%	Act%
110.00	100	100
81.00	31.60	30.03
53.00	28.10	26.24
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 23.D
Acq On : 11 Feb 2022 5:30 pm
Operator : 917
Sample : STD TCL 50K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 20 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:49:47 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:26:14 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

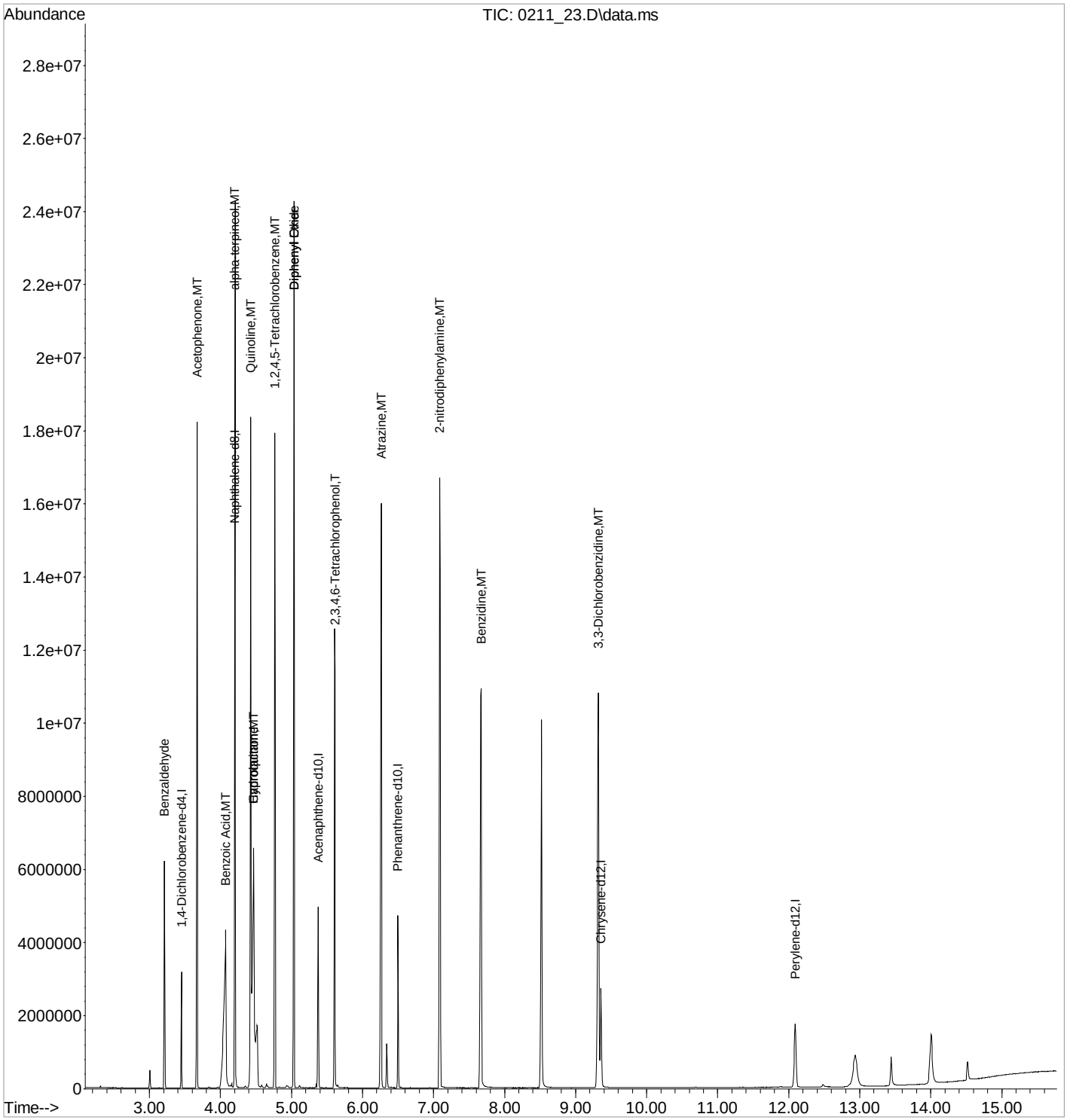
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.451	152	337028	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.198	136	2410000	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	773510	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1336052	8000.0000000	ppb		0.00
84) Chrysene-d12	9.357	240	1112399	8000.0000000	ppb		0.00
94) Perylene-d12	12.092	264	998743	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.210	105	758829	51434.0541340	ppb		99
22) Acetophenone	3.669	105	3445930	50034.7157989	ppb		98
31) Benzoic Acid	4.075	105	2250251	48095.6919156	ppb	#	54
33) alpha-terpineol	4.204	59	2291486	35778.0051962	ppb		90
37) Hydroquinone	4.469	110	3100278m	38253.0014045	ppb		
38) Quinoline	4.428	129	5232330	33158.5095673	ppb		93
39) Caprolactam	4.469	113	1003622	39159.5583724	ppb	#	78
43) 1,2,4,5-Tetrachloroben...	4.763	216	2252888	36658.5684774	ppb		98
44) Diphenyl Ether	5.034	170	3377755	34708.4436649	ppb		98
45) Diphenyl Oxide	5.034	170	3377755	34708.4436649	ppb		98
62) 2,3,4,6-Tetrachlorophenol	5.610	232	1266614	56799.3645444	ppb		91
69) Atrazine	6.263	200	1631424	54991.4487251	ppb	#	79
82) 2-nitrodiphenylamine	7.086	167	2286352	67082.8855334	ppb		96
85) Benzidine	7.669	184	4655872	66227.6475367	ppb	#	100
89) 3,3-Dichlorobenzidine	9.322	252	3045600	59310.4340587	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 23.D
Acq On : 11 Feb 2022 5:30 pm
Operator : 917
Sample : STD TCL 50K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 20 Sample Multiplier: 1
InstName : BNAMS20

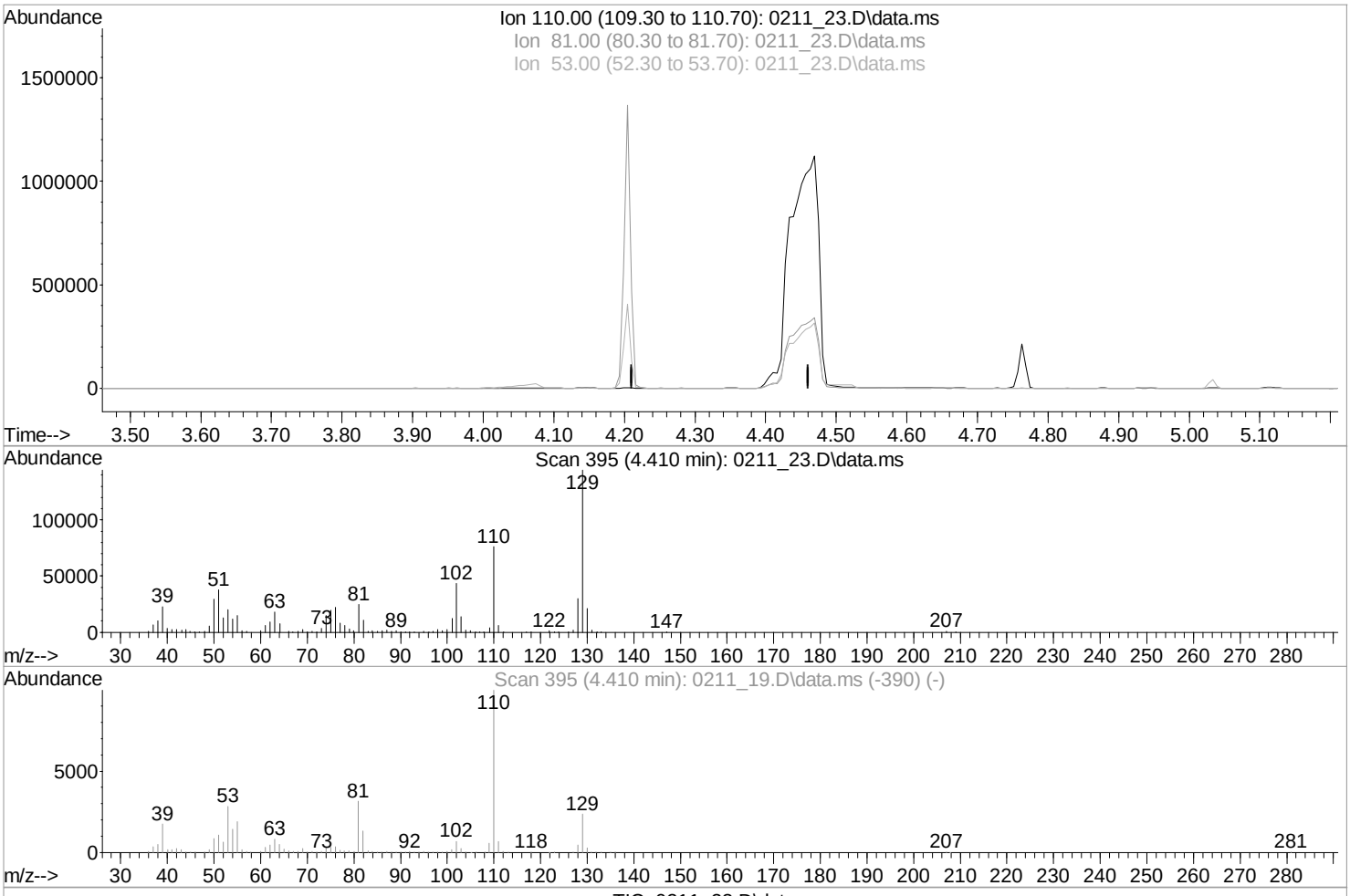
Quant Time: Feb 11 17:49:47 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:26:14 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 23.D
Acq On : 11 Feb 2022 5:30 pm
Operator : 917
Sample : STD TCL 50K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 20 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:49:08 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:26:14 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0211_23.D\data.ms

(37) Hydroquinone

4.410min (-4.410) 0.0000000 ppb

Qvalue = 0

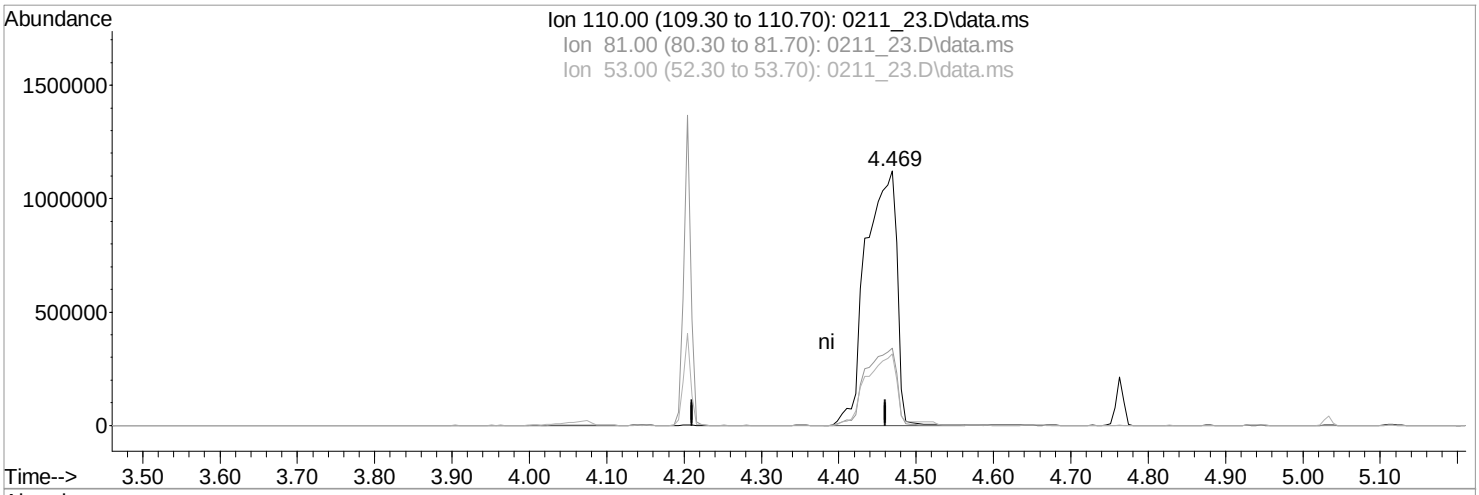
response 0

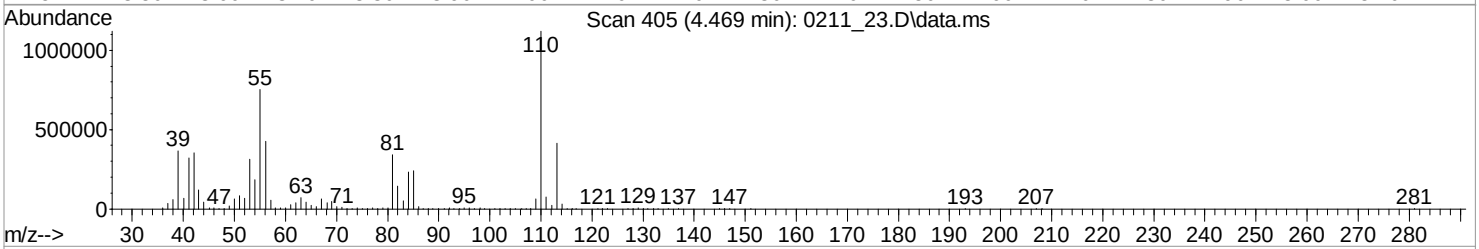
Ion	Exp%	Act%
110.00	100	0.00
81.00	31.60	0.00#
53.00	28.10	0.00#
0.00	0.00	0.00

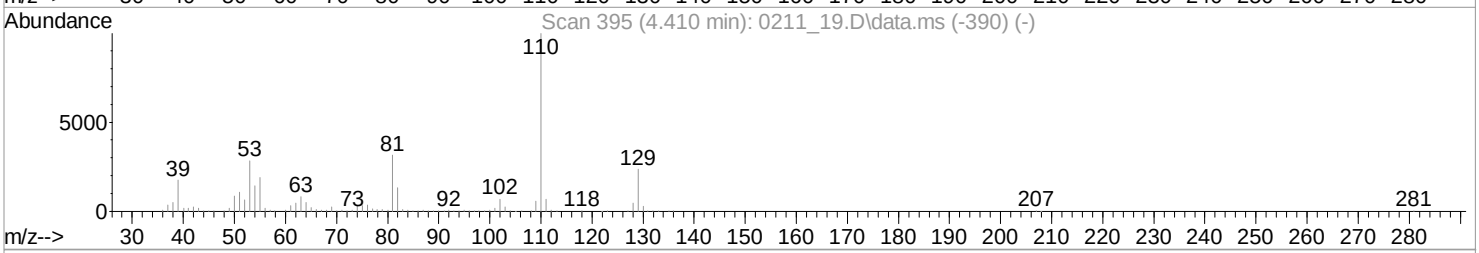
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 23.D
Acq On : 11 Feb 2022 5:30 pm
Operator : 917
Sample : STD TCL 50K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 20 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:49:08 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:26:14 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_23.D\data.ms

(37) Hydroquinone

4.469min (+0.059) 38253.0014045 ppb m

response 3100278

Ion	Exp%	Act%
110.00	100	100
81.00	31.60	30.40
53.00	28.10	28.01
0.00	0.00	0.00

6A-OR

GC/MS INITIAL CALIBRATION DATA

SDG: L1488626 **Analytical Method:** 8270E

Instrument ID: BNAMS33

Analyte	**RRF: 40**	**RRF: 200**	**RRF: 1000**	**RRF: 2000**	**RRF: 5000**	**RRF: 10000**	**RRF: 20000**	**RRF: 30000**	**RRF: 40000**	**RRF: 50000**
Analysis date/time	03/18/22 16:44	03/18/22 17:05	03/18/22 17:27	03/18/22 17:48	03/18/22 18:09	03/18/22 18:31	03/18/22 18:52	03/18/22 19:13	03/18/22 19:35	03/18/22 19:56
NAPHTHALENE	1.1520	1.0630	1.02	1.0180	1.0020	1.0060	1.0020	0.9910	0.9740	0.9730
2-METHYLNAPHTHALENE	0.7390	0.6540	0.6830	0.6720	0.68	0.69	0.7010	0.6910	0.6940	0.6950
1-METHYLNAPHTHALENE	0.6650	0.6230	0.6580	0.6410	0.6380	0.6450	0.6540	0.66	0.6640	0.6540
ACENAPHTHYLENE	1.8130	1.63	1.7560	1.7290	1.7350	1.7590	1.7790	1.7670	1.7840	1.7360
ACENAPHTHENE	1.21	1.1490	1.1820	1.1650	1.1480	1.17	1.2050	1.1990	1.2110	1.1860
FLUORENE	1.3510	1.2910	1.3570	1.3320	1.3690	1.3910	1.4470	1.43	1.4390	1.4040
PHENANTHRENE	1.2540	1.07	1.0380	1.0480	1.0490	1.04	1.0820	1.0630	1.0690	1.0240
ANTHRACENE	1.10	1.0020	1.0390	1.0430	1.06	1.0530	1.1050	1.0970	1.0820	1.0360
FLUORANTHENE	1.22	1.0430	1.0890	1.0850	1.1340	1.1240	1.17	1.1760	1.17	1.1480
PYRENE	1.4820	1.2660	1.2760	1.2650	1.2710	1.2990	1.3020	1.2920	1.2690	1.2560
BENZO(A)ANTHRACENE	1.8670	1.2550	1.2090	1.1910	1.1880	1.2040	1.2060	1.22	1.2250	1.2210
CHRYSENE	1.3480	1.1460	1.1690	1.1470	1.1560	1.1430	1.1610	1.1660	1.1660	1.16
BENZO(B)FLUORANTHENE	1.0920	1.0640	1.0820	1.1390	1.1480	1.1540	1.2250	1.2350	1.24	1.2480
BENZO(K)FLUORANTHENE	1.0980	1.0370	1.1180	1.1390	1.1760	1.1880	1.2180	1.22	1.24	1.24
BENZO(A)PYRENE	0.97	0.86	0.95	0.9690	1.0140	1.0190	1.0690	1.0750	1.0930	1.0990
INDENO(1,2,3-CD)PYRENE	0.9270	0.8490	0.9070	0.94	0.9920	0.9930	1.0540	1.0770	1.1070	1.1640
DIBENZ(A,H)ANTHRACENE	0.8810	0.9320	0.9920	1.0210	1.0540	1.0790	1.1260	1.1840	1.1970	1.2240
BENZO(G,H,I)PERYLENE	0.9770	0.9610	1.0020	1.0150	1.0610	1.0650	1.1170	1.1270	1.13	1.1420
PHENOL		1.40	1.5010	1.5330	1.51	1.5110	1.5350	1.5710	1.6290	1.6180
3&4-METHYL PHENOL		1.2560	1.2930	1.3260	1.3130	1.3190	1.3420	1.3450	1.3730	1.3790
DIBENZOFURAN		1.5520	1.6830	1.6380	1.6180	1.6140	1.6590	1.6460	1.6690	1.6550
PENTACHLOROPHENOL		0.0690	0.08	0.0890	0.1030	0.1130	0.1260	0.1360	0.1420	0.1470
CARBAZOLE		0.9070	0.9730	0.9690	0.9910	0.9780	1.02	1.0240	1.0210	0.99
DI-N-BUTYL PHTHALATE		1.0350	1.1180	1.1380	1.17	1.1870	1.2360	1.2380	1.2010	1.1870
BIS(2-ETHYLHEXYL)PHTHALATE		0.6530	0.7180	0.7390	0.7790	0.8040	0.8460	0.8650	0.8660	0.8940
DI-N-OCTYL PHTHALATE		0.8970	1.0950	1.1680	1.2750	1.3290	1.4060	1.4170	1.4390	1.4680
2-FLUOROPHENOL		1.1480	1.1650	1.1830	1.1990	1.1820	1.19	1.2210	1.25	1.2510
PHENOL-D5		1.4440	1.4690	1.5020	1.4920	1.5010	1.5230	1.5660	1.6190	1.6130
NITROBENZENE-D5		0.3150	0.3190	0.3190	0.3250	0.3340	0.3390	0.3440	0.3340	0.3470
2-FLUOROBIPHENYL		1.3040	1.3410	1.31	1.3120	1.3250	1.3770	1.3650	1.3760	1.3450
P-TERPHENYL-D14		0.9670	1.0210	1.0270	1.0340	1.0560	1.0750	1.0640	1.0530	1.0490
2,4,6-TRIBROMOPHENOL				0.0820	0.0930	0.0970	0.1050	0.1110	0.1180	0.1210
BENZOIC ACID										
File ID:	0318_006	0318_007	0318_008	0318_009	0318_010	0318_011	0318_012	0318_013	0318_014	0318_015

GC/MS INITIAL CALIBRATION DATA

SDG: L1488626 **Analytical Method:** 8270E

Instrument ID: BNAMS33

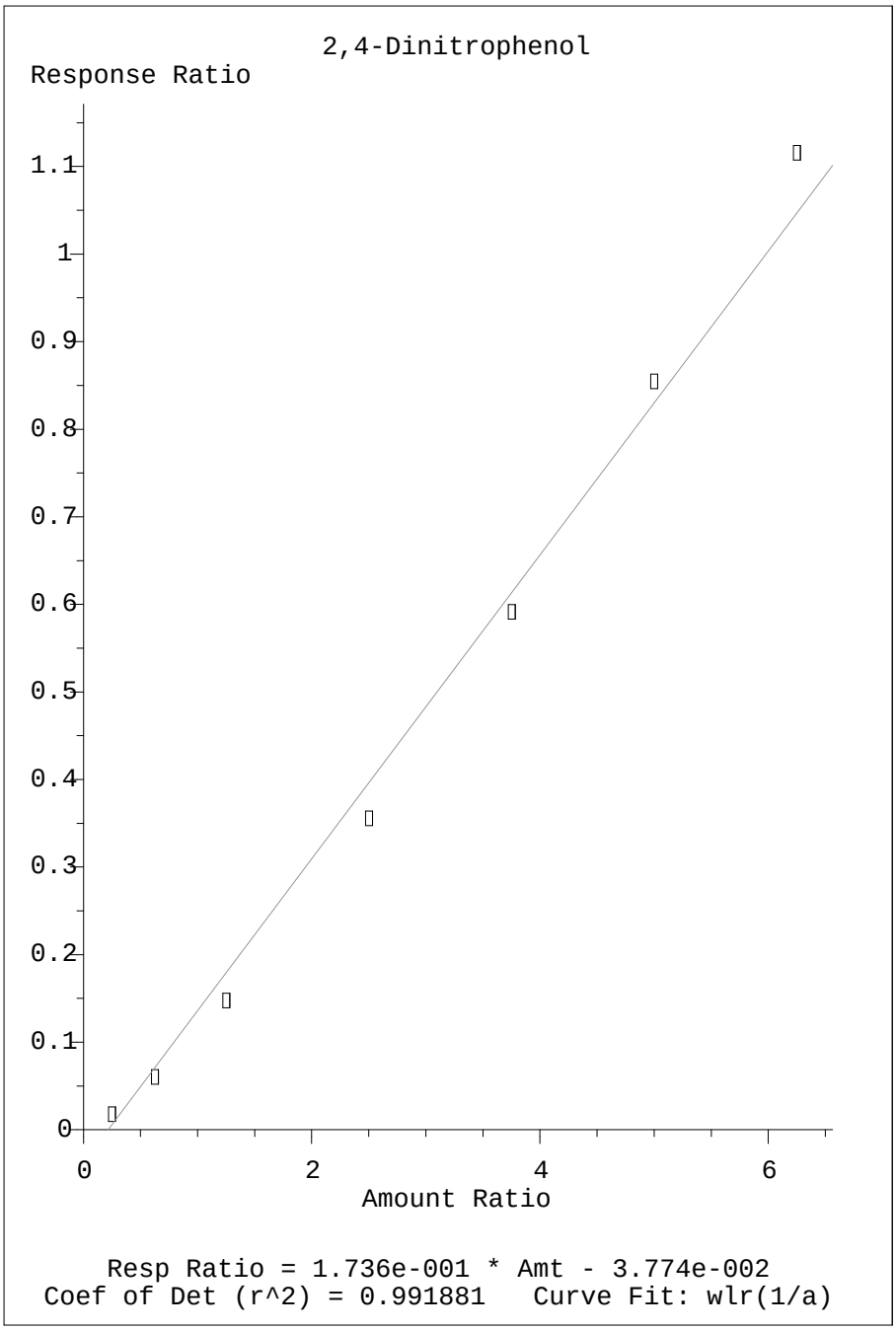
Analyte	**RRF: 1K1**	**RRF: 2K1**	**RRF: 5K1**	**RRF: 10K1**	**RRF: 20K1**	**RRF: 30K1**	**RRF: 40K1**	**RRF: 50K1**
Analysis date/time	03/18/22 20:17	03/18/22 20:39	03/18/22 21:00	03/18/22 21:22	03/18/22 21:43	03/18/22 22:04	03/18/22 22:26	03/18/22 22:47
NAPHTHALENE								
2-METHYLNAPHTHALENE								
1-METHYLNAPHTHALENE								
ACENAPHTHYLENE								
ACENAPHTHENE								
FLUORENE								
PHENANTHRENE								
ANTHRACENE								
FLUORANTHENE								
PYRENE								
BENZO(A)ANTHRACENE								
CHRYSENE								
BENZO(B)FLUORANTHENE								
BENZO(K)FLUORANTHENE								
BENZO(A)PYRENE								
INDENO(1,2,3-CD)PYRENE								
DIBENZ(A,H)ANTHRACENE								
BENZO(G,H,I)PERYLENE								
PHENOL								
3&4-METHYL PHENOL								
DIBENZOFURAN								
PENTACHLOROPHENOL								
CARBAZOLE								
DI-N-BUTYL PHTHALATE								
BIS(2-ETHYLHEXYL)PHTHALATE								
DI-N-OCTYL PHTHALATE								
2-FLUOROPHENOL								
PHENOL-D5								
NITROBENZENE-D5								
2-FLUOROBIPHENYL								
P-TERPHENYL-D14								
2,4,6-TRIBROMOPHENOL								
BENZOIC ACID	0.1460	0.1550	0.1640	0.1680	0.16	0.1480	0.1410	0.1310
File ID:	0318_016	0318_017	0318_018	0318_019	0318_020	0318_021	0318_022	0318_023

GC/MS INITIAL CALIBRATION DATA

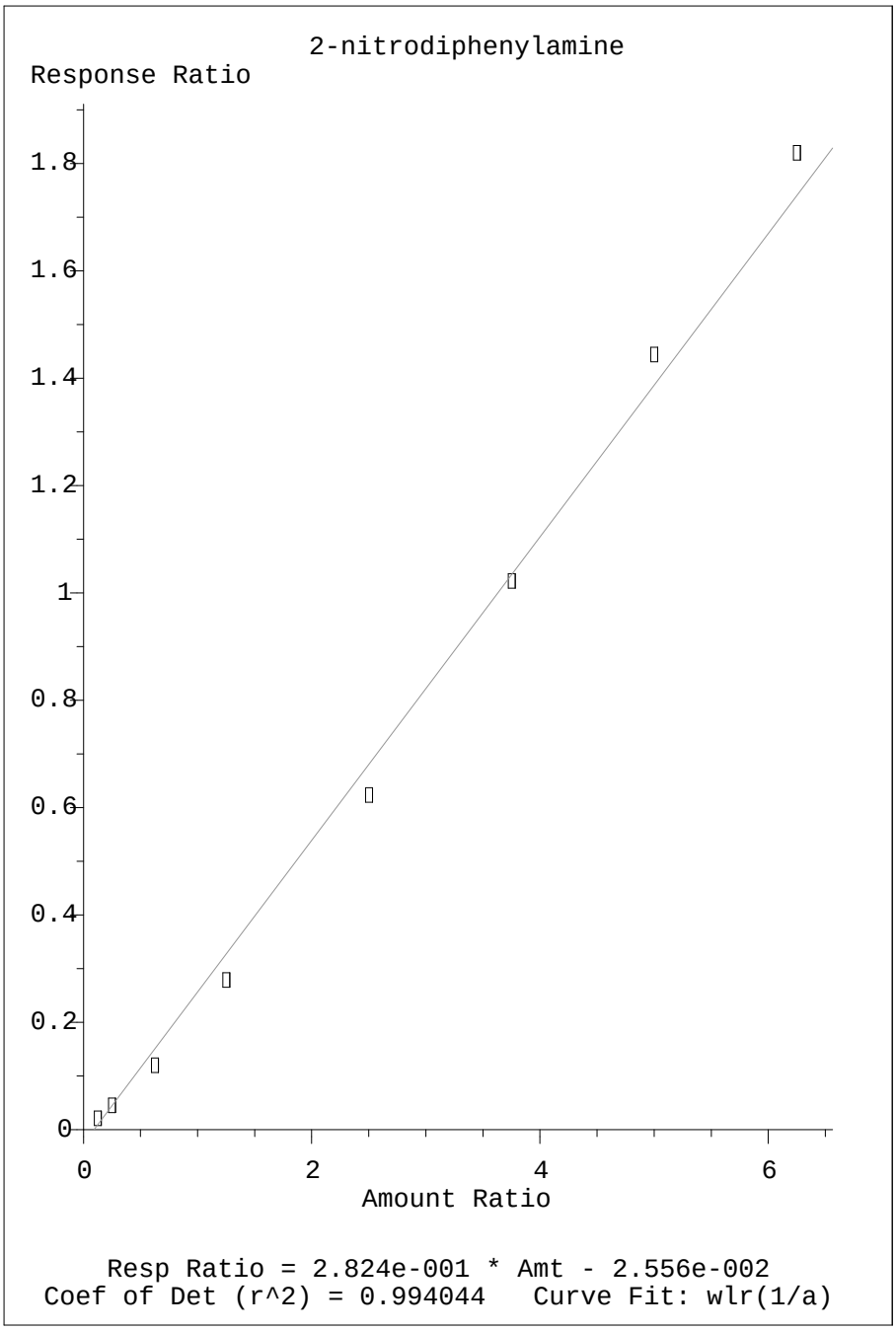
SDG: L1488626 **Analytical Method:** 8270E

Instrument ID: BNAMS33

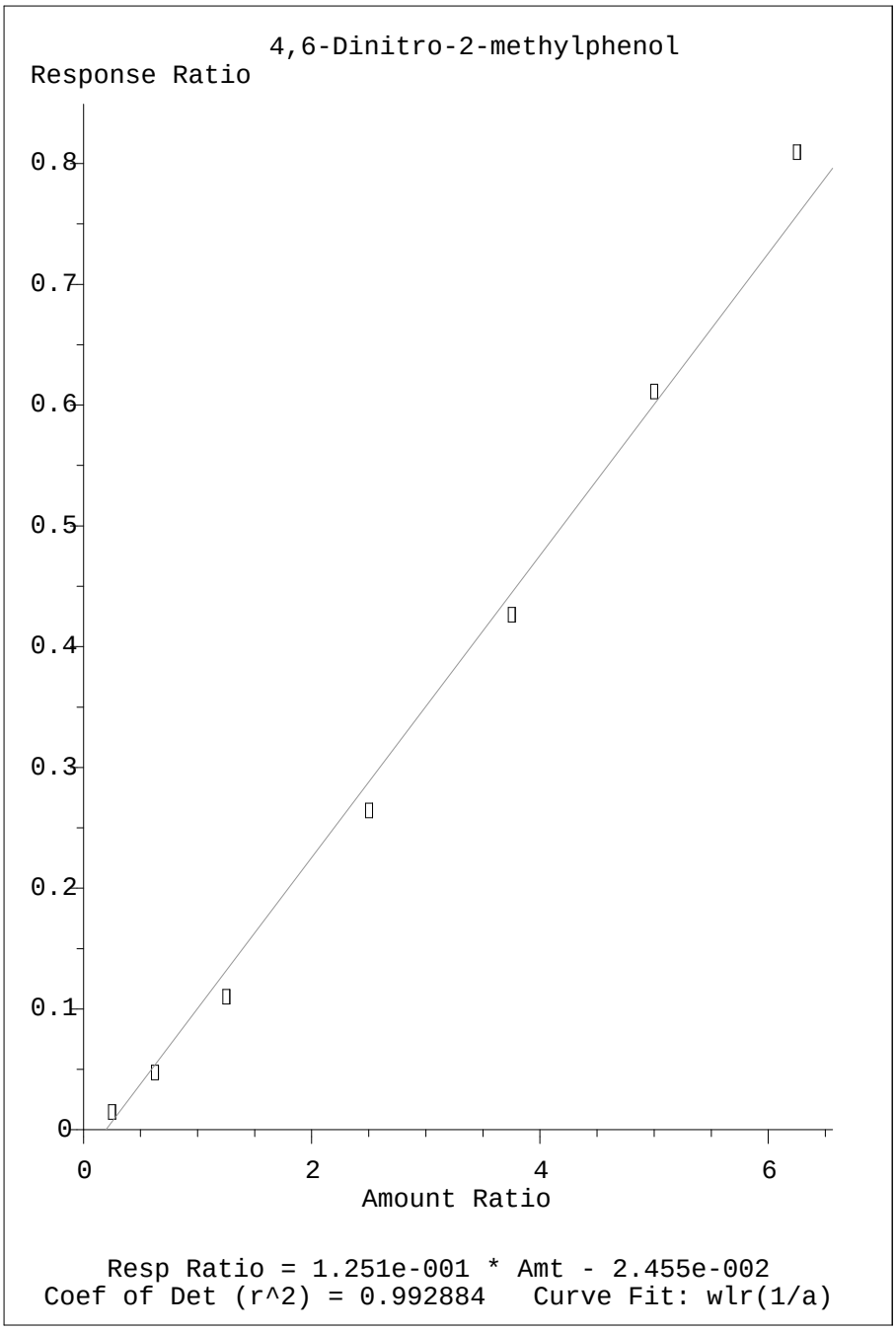
Analyte Analysis date/time	RRF. Avg	%RSD	COD
NAPHTHALENE	1.020046	5.19	
2-METHYLNAPHTHALENE	0.689979	3.17	
1-METHYLNAPHTHALENE	0.650153	2.06	
ACENAPHTHYLENE	1.748797	2.8	
ACENAPHTHENE	1.182364	2.02	
FLUORENE	1.381007	3.66	
PHENANTHRENE	1.073836	6.13	
ANTHRACENE	1.061563	3.18	
FLUORANTHENE	1.135933	4.6	
PYRENE	1.297608	5.13	
BENZO(A)ANTHRACENE	1.278651	16.23	1
CHRYSENE	1.176226	5.19	
BENZO(B)FLUORANTHENE	1.162737	6.05	
BENZO(K)FLUORANTHENE	1.167378	5.82	
BENZO(A)PYRENE	1.011749	7.52	
INDENO(1,2,3-CD)PYRENE	1.00115	9.85	
DIBENZ(A,H)ANTHRACENE	1.069078	10.78	
BENZO(G,H,I)PERYLENE	1.059556	6.4	
PHENOL	1.534228	4.47	
3&4-METHYL PHENOL	1.327309	2.89	
DIBENZOFURAN	1.637224	2.38	
PENTACHLOROPHENOL	0.111668	25.16	0.992
CARBAZOLE	0.985792	3.7	
DI-N-BUTYL PHTHALATE	1.167826	5.46	
BIS(2-ETHYLHEXYL)PHTHALATE	0.796163	10.09	
DI-N-OCTYL PHTHALATE	1.277284	14.94	
2-FLUOROPHENOL	1.198747	2.97	
PHENOL-D5	1.525585	4.02	
NITROBENZENE-D5	0.330762	3.53	
2-FLUOROBIPHENYL	1.339365	2.12	
P-TERPHENYL-D14	1.038484	3.1	
2,4,6-TRIBROMOPHENOL	0.103844	13.6	
BENZOIC ACID	0.151556	8.15	



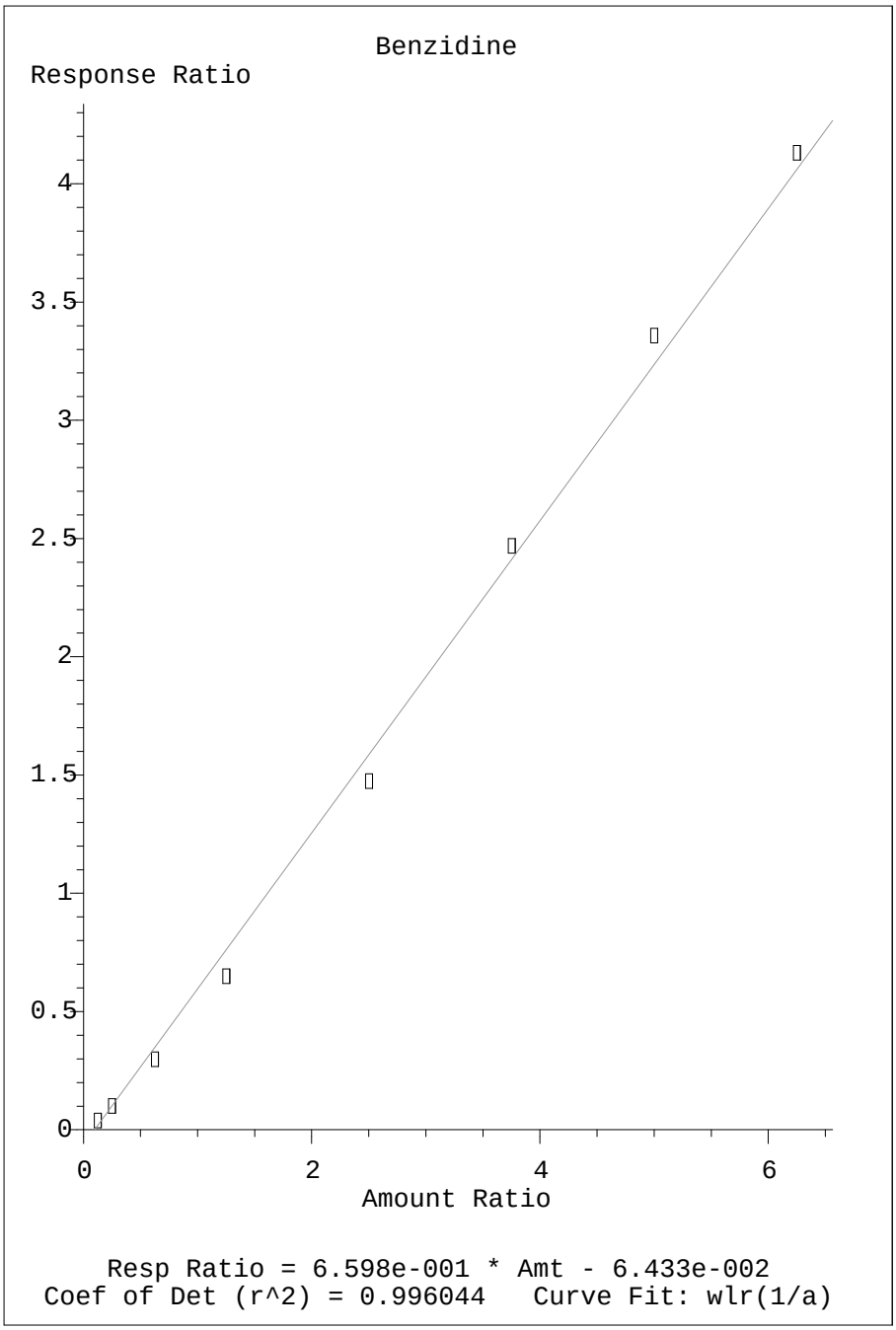
Method Name: C:\GCMS\1\methods\S833C18V.M



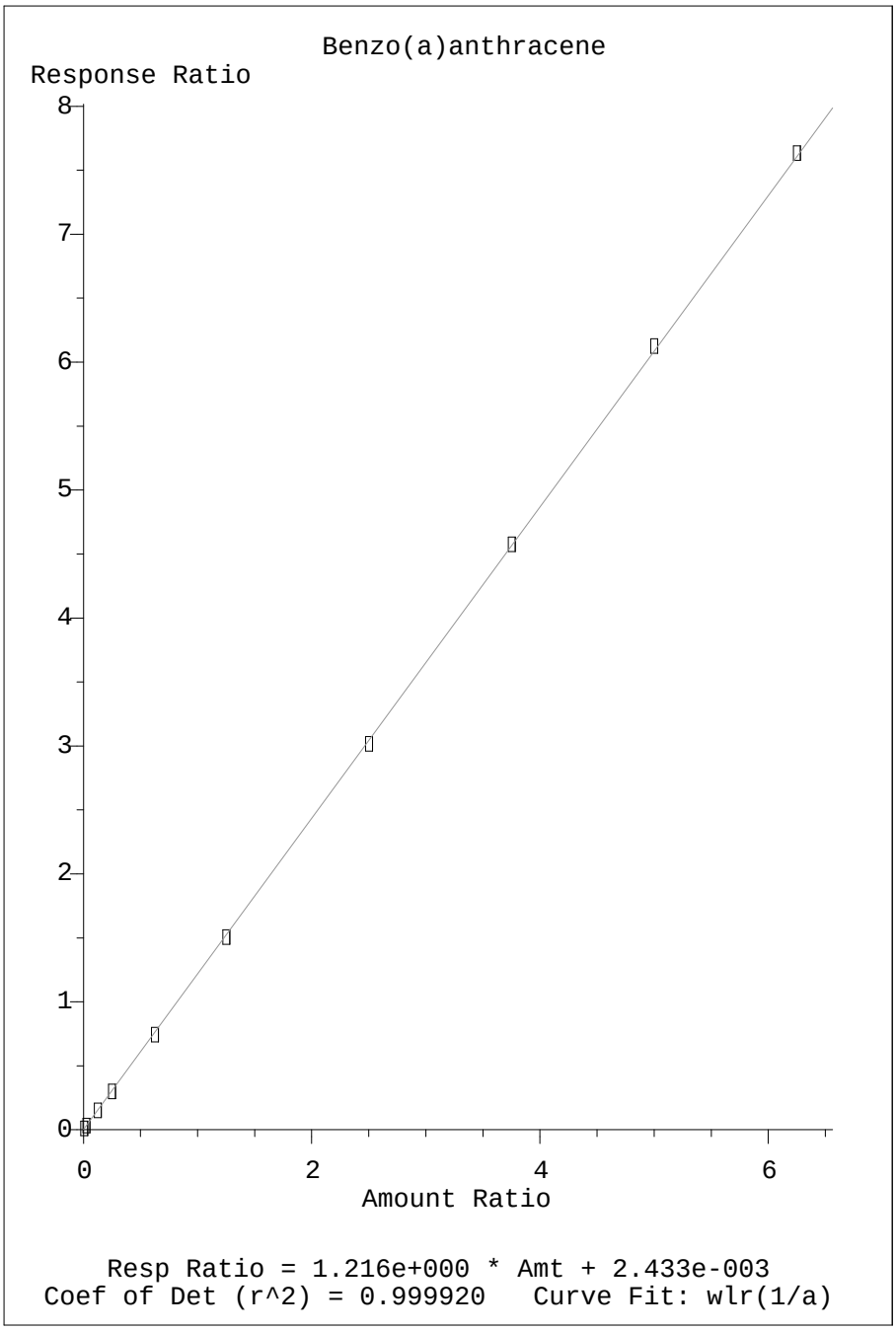
Method Name: C:\GCMS\1\methods\S833C18V.M



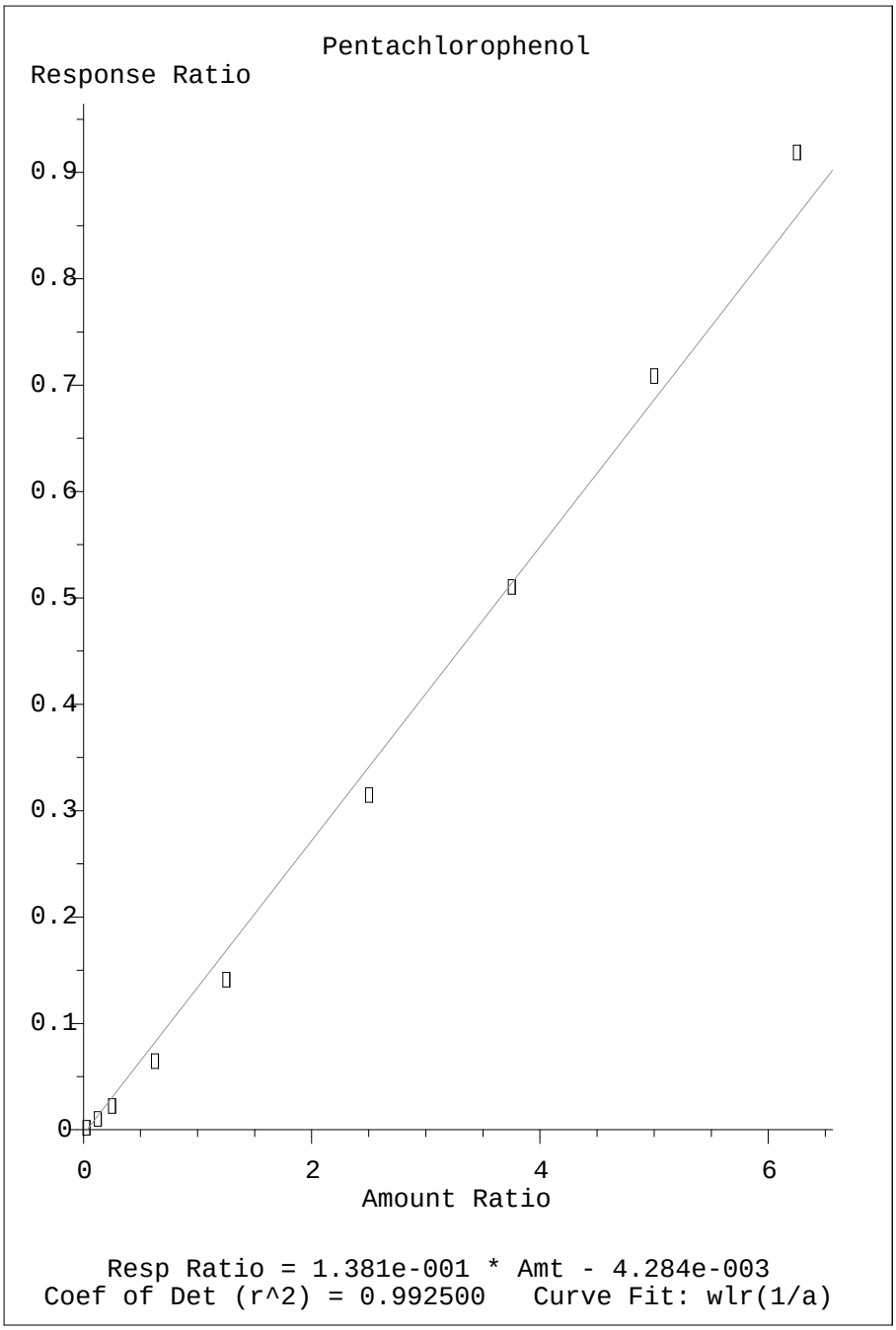
Method Name: C:\GCMS\1\methods\S833C18V.M



Method Name: C:\GCMS\1\methods\S833C18V.M



Method Name: C:\GCMS\1\methods\S833C18V.M



Method Name: C:\GCMS\1\methods\S833C18V.M

Response Factor Report BNAMS33

Method Path : C:\GCMS\1\methods\
Method File : S833C18V.M
Title : 8270 BNA
Last Update : Wed Mar 23 09:17:18 2022
Response Via : Initial Calibration

Calibration Files
40 =0318_006.D 200 =0318_007.D 1K =0318_008.D 2K =0318_009.D 5K =0318_010.D 10K =0318_011.D 20K =0318_012.D 30K =0318_013.D
40K =0318_014.D 50K =0318_015.D 1K1 =0318_016.D 2K1 =0318_017.D 5K1 =0318_018.D 10K1=0318_019.D 20K1=0318_020.D 30K1=0318_021.D
40K1=0318_022.D 50K1=0318_023.D

	Compound	40	200	1K	2K	5K	10K	20K	30K	40K	50K	1K1	2K1	5K1	10K1	20K1	30K1	40K1	50K1	Avg	%RSD
1)	I 1,4-Dichlorobenzen...	----------ISTD----------																			
2)	TM Pyridine	1.261	1.221	1.232	1.216	1.197	1.217	1.219	1.255	1.245										1.229	1.69
3)	MT N-Nitrosodimet...	0.514	0.562	0.574	0.536	0.531	0.514	0.526	0.529	0.516										0.534	3.96
4)	S 2-Fluorophenol	1.148	1.165	1.183	1.199	1.182	1.190	1.221	1.250	1.251										1.199	2.97
5)	MT Aniline	0.592	0.605	0.613	0.601	0.615	0.618	0.627	0.641	0.639										0.617	2.69
6)	MT bis(2-Chloroet...	1.227	1.247	1.221	1.240	1.133	1.200	1.214	1.241	1.161										1.209	3.20
7)	S Phenol-d5	1.444	1.469	1.502	1.492	1.501	1.523	1.566	1.619	1.613										1.526	4.02
8)	MC Phenol	1.400	1.501	1.533	1.510	1.511	1.535	1.571	1.629	1.618										1.534	4.47
9)	Benzaldehyde											0.330	0.326	0.313	0.317	0.324	0.328	0.335	0.352	0.328	3.71
10)	MT 2-Chlorophenol	1.222	1.274	1.297	1.292	1.331	1.391	1.441	1.476	1.442										1.352	6.57
11)	T n-Decane	0.574	0.604	0.588	0.566	0.559	0.539	0.520	0.502	0.468										0.547	7.96
12)	MT 1,3-Dichlorobe...	1.433	1.498	1.462	1.461	1.435	1.457	1.477	1.518	1.510										1.472	2.10
13)	MTC 1,4-Dichlorobe...	1.502	1.509	1.506	1.516	1.497	1.518	1.521	1.534	1.541										1.516	0.96
14)	MT Benzyl Alcohol	0.988	0.985	1.005	1.009	1.006	1.026	1.041	1.065	1.063										1.021	2.94
15)	MT 1,2-Dichlorobe...	1.400	1.412	1.410	1.416	1.392	1.418	1.425	1.462	1.443										1.420	1.51
16)	MT bis(2-Chlorois...	0.436	0.467	0.458	0.456	0.448	0.454	0.455	0.467	0.469										0.457	2.27

Method Path : C:\GCMS\1\methods\
Method File : S833C18V.M
Title : 8270 BNA
Last Update : Wed Mar 23 09:17:18 2022

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17) MT  2,2-oxybis(1-c...       0.436 0.467 0.458 0.456 0.448 0.454 0.455 0.467 0.469
      0.457    2.27
18) MT  2-Methylphenol          1.078 1.137 1.144 1.155 1.156 1.183 1.188 1.209 1.218
      1.163    3.65
19) MT  Hexachloroethane        0.574 0.588 0.582 0.583 0.574 0.581 0.593 0.604 0.611
      0.588    2.16
20) MP  N-Nitrosodi-n-...       0.854 0.866 0.854 0.863 0.866 0.880 0.869 0.887 0.897
      0.871    1.68
21) MT  3&4-Methyl phenol       1.256 1.293 1.326 1.313 1.319 1.342 1.345 1.373 1.379
      1.327    2.89
22) MT  Acetophenone                                                    1.729 1.736 1.676 1.718 1.758 1.808 1.85
4 1.854 1.767    3.70

23) I   Naphthalene-d8        ----------------ISTD--------------------
24) S   Nitrobenzene-d5         0.315 0.319 0.319 0.325 0.334 0.339 0.344 0.334 0.347
      0.331    3.53
25) MT  Nitrobenzene            0.315 0.316 0.316 0.324 0.329 0.334 0.335 0.340 0.345
      0.328    3.42
26) MT  Isophorone              0.604 0.622 0.624 0.627 0.632 0.639 0.633 0.637 0.640
      0.629    1.78
27) MCT 2-Nitrophenol           0.138 0.139 0.147 0.158 0.171 0.185 0.193 0.199 0.204
      0.170   15.21
28) MT  2,4-Dimethylph...       0.312 0.335 0.333 0.333 0.344 0.354 0.360 0.365 0.371
      0.345    5.48
29) MT  bis(2-Chloreth...       0.381 0.397 0.384 0.385 0.384 0.393 0.385 0.392 0.400
      0.389    1.68
30) MCT 2,4-Dichloroph...       0.260 0.275 0.274 0.277 0.286 0.294 0.299 0.304 0.312
      0.287    5.83
31) MT  Benzoic Acid                                                    0.146 0.155 0.164 0.168 0.160 0.148 0.14
1 0.131 0.152    8.15
32) MT  1,2,4-Trichlor...       0.310 0.328 0.317 0.318 0.323 0.328 0.329 0.340 0.341
      0.326    3.19
33) MT  alpha-terpineol                                                 0.229 0.223 0.206 0.192 0.170
      0.204   11.66
34) MT  Naphthalene       1.152 1.063 1.020 1.018 1.002 1.006 1.002 0.991 0.974 0.973
      1.020    5.19
35) MT  4-Chloroaniline         0.107 0.108 0.103 0.107 0.107 0.111 0.109 0.112 0.111
      0.108    2.59
36) MCT Hexachloro-1,3...       0.201 0.186 0.181 0.181 0.185 0.190 0.193 0.194 0.199
      0.190    3.86
37)     Hydroquinone                                                    0.330 0.338 0.328 0.317 0.280 0.247 0.22
      0.295   15.13
38) MT  Quinoline                                                       0.659 0.647 0.618 0.571 0.502 0.447
      0.574   14.75
39) MT  Caprolactam                                                     0.103 0.106 0.106 0.098 0.086 0.077
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0.096 12.30

Response Factor Report BNAMS33

Method Path : C:\GCMS\1\methods\
Method File : S833C18V.M
Title : 8270 BNA
Last Update : Wed Mar 23 09:17:18 2022

40) MCT 4-Chloro-3-met... 0.248 0.261 0.264 0.275 0.281 0.293 0.294 0.304 0.314
0.281 7.65
41) MT 2-Methylnaphth... 0.739 0.654 0.683 0.672 0.680 0.690 0.701 0.691 0.694 0.695
0.690 3.17
42) MT 1-Methylnaphth... 0.665 0.623 0.658 0.641 0.638 0.645 0.654 0.660 0.664 0.654
0.650 2.06
43) MT 1,2,4,5-Tetrac... 0.326 0.315 0.294 0.272 0.243 0.222
0.279 14.60
44) Diphenyl Ether 0.451 0.432 0.409 0.384 0.342 0.308
0.388 14.09
45) Diphenyl Oxide 0.451 0.432 0.409 0.384 0.342 0.308
0.388 14.09

46) I Acenaphthene-d10 ----------ISTD----------
47) MPT Hexachlorocycl... 0.348 0.374 0.374 0.390 0.402 0.427 0.435 0.461 0.467
0.408 10.08
48) MCT 2,4,6-Trichlor... 0.303 0.311 0.317 0.336 0.343 0.366 0.390 0.405 0.405
0.353 11.40
49) MT 2,4,5-Trichlor... 0.313 0.339 0.347 0.365 0.380 0.407 0.403 0.417 0.432
0.378 10.57
50) S 2-Fluorobiphenyl 1.304 1.341 1.310 1.312 1.325 1.377 1.365 1.376 1.345
1.339 2.12
51) MT Biphenyl 1.439 1.487 1.433 1.453 1.467 1.517 1.505 1.512 1.445
1.473 2.24
52) MT 2-Chloronaphth... 1.107 1.082 1.149 1.095 1.098 1.108 1.138 1.155 1.189 1.178
1.130 3.29
53) MT 2-Nitroaniline 0.296 0.312 0.339 0.364 0.390 0.401 0.417 0.420
0.367 12.97
54) MT Acenaphthylene 1.813 1.630 1.756 1.729 1.735 1.759 1.779 1.767 1.784 1.736
1.749 2.80
55) MT Dimethyl phtha... 1.279 1.345 1.291 1.296 1.295 1.322 1.304 1.328 1.335
1.310 1.73
56) MT 2,6-Dinitrotol... 0.209 0.250 0.265 0.284 0.291 0.308 0.312 0.321 0.332
0.286 13.64
57) MT 3-Nitroaniline 0.240 0.281 0.295 0.318 0.326 0.340 0.344 0.358 0.356
0.318 12.36
58) MCT Acenaphthene 1.210 1.149 1.182 1.165 1.148 1.170 1.205 1.199 1.211 1.186
1.182 2.02
59) MPT 2,4-Dinitrophenol 0.071 0.097 0.118 0.142 0.158 0.171 0.178
0.134 29.96
60) MT Dibenzofuran 1.552 1.683 1.638 1.618 1.614 1.659 1.646 1.669 1.655
1.637 2.38
61) MT 2,4-Dinitrotol... 0.290 0.319 0.357 0.382 0.403 0.416 0.445
0.373 14.71

Method Path : C:\GCMS\1\methods\
Method File : S833C18V.M
Title : 8270 BNA
Last Update : Wed Mar 23 09:17:18 2022

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 62) T   2,3,4,6-Tetrac...                                                    0.259 0.261 0.264 0.280 0.295 0.307 0.32
0.338 0.291   10.49
 63) MPT 4-Nitrophenol                 0.193 0.217 0.234 0.248 0.265 0.274 0.285 0.288
      0.251   13.55
 64) MT  Fluorene          1.351 1.291 1.357 1.332 1.369 1.391 1.447 1.430 1.439 1.404
      1.381    3.66
 65) MT  4-Chlorophenyl...       0.638 0.661 0.636 0.646 0.661 0.688 0.706 0.706 0.698
      0.671    4.27
 66) MT  Diethyl phthalate       1.245 1.297 1.272 1.254 1.285 1.329 1.322 1.345 1.357
      1.300    3.07
 67) MT  4-Nitroaniline          0.235 0.289 0.311 0.354 0.363 0.369 0.372 0.386 0.391
      0.341   15.34
 68) MT  Azobenzene              1.233 1.327 1.274 1.279 1.279 1.295 1.286 1.283 1.275
      1.281    1.91
 69) MT  Atrazine                                                             0.368 0.367 0.374 0.385 0.398 0.421 0.43
0 0.425 0.396    6.61

 70) I   Phenanthrene-d10      ----------------ISTD--------------------
 71) MT  4,6-Dinitro-2-...                   0.058 0.076 0.088 0.106 0.114 0.122 0.129
      0.099   26.21
 72) MCT N-Nitrosodiphe...       0.556 0.591 0.600 0.619 0.619 0.647 0.637 0.646 0.642
      0.618    4.96
 73) S   2,4,6-Tribromo...                   0.082 0.093 0.097 0.105 0.111 0.118 0.121
      0.104   13.60
 74) MT  4-Bromophenyl-...       0.182 0.201 0.196 0.199 0.201 0.213 0.221 0.226 0.231
      0.208    7.72
 75) MT  Hexachlorobenzene       0.210 0.224 0.216 0.220 0.222 0.235 0.246 0.246 0.248
      0.230    6.25
 76) T   n-octadecane            0.080 0.089 0.084 0.088 0.090 0.092 0.090 0.087 0.088
      0.088    4.21
 77) MCT Pentachlorophenol       0.069 0.080 0.089 0.103 0.113 0.126 0.136 0.142 0.147
      0.112   25.16#
 78) MT  Phenanthrene      1.254 1.070 1.038 1.048 1.049 1.040 1.082 1.063 1.069 1.024
      1.074    6.13
 79) MT  Anthracene        1.100 1.002 1.039 1.043 1.060 1.053 1.105 1.097 1.082 1.036
      1.062    3.18
 80) MT  Carbazole               0.907 0.973 0.969 0.991 0.978 1.020 1.024 1.021 0.990
      0.986    3.70
 81) MT  Di-n-butyl pht...       1.035 1.118 1.138 1.170 1.187 1.236 1.238 1.201 1.187
      1.168    5.46
 82) MT  2-nitrodipheny...                                                    0.168 0.181 0.192 0.223 0.249 0.273 0.28
0.291 0.233   21.19
 83) MCT Fluoranthene      1.220 1.043 1.089 1.085 1.134 1.124 1.170 1.176 1.170 1.148
      1.136    4.60
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Method Path : C:\GCMS\1\methods\
Method File : S833C18V.M
Title : 8270 BNA
Last Update : Wed Mar 23 09:17:18 2022

94) I Chrysene-d12 ----------ISTD----------

95) MT Benzidine 0.311 0.398 0.477 0.519 0.590 0.658 0.67
0.661 0.536 24.96

96) MT Pyrene 1.482 1.266 1.276 1.265 1.271 1.299 1.302 1.292 1.269 1.256
1.298 5.13

87) S p-Terphenyl-d14 0.967 1.021 1.027 1.034 1.056 1.075 1.064 1.053 1.049
1.038 3.10

88) MT Benzylbutyl ph... 0.455 0.505 0.515 0.551 0.572 0.591 0.598 0.607 0.617
0.557 9.86

89) MT 3,3-Dichlorobe... 0.407 0.411 0.420 0.433 0.458 0.480 0.49
3 0.499 0.450 8.31

90) MT Benzo(a)anthra... 1.867 1.255 1.209 1.191 1.188 1.204 1.206 1.220 1.225 1.221
1.279 16.23

91) MT Chrysene 1.348 1.146 1.169 1.147 1.156 1.143 1.161 1.166 1.166 1.160
1.176 5.19

92) MT bis(2-Ethylhex... 0.653 0.718 0.739 0.779 0.804 0.846 0.865 0.866 0.894
0.796 10.09

93) MC Di-n-octyl pht... 0.897 1.095 1.168 1.275 1.329 1.406 1.417 1.439 1.468
1.277 14.94

94) I Perylene-d12 ----------ISTD----------

95) MT Benzo(b)fluora... 1.092 1.064 1.082 1.139 1.148 1.154 1.225 1.235 1.240 1.248
1.163 6.05

96) MT Benzo(k)fluora... 1.098 1.037 1.118 1.139 1.176 1.188 1.218 1.220 1.240 1.240
1.167 5.82

97) MC Benzo(a)pyrene 0.970 0.860 0.950 0.969 1.014 1.019 1.069 1.075 1.093 1.099
1.012 7.52

98) MT Indeno(1,2,3-c... 0.927 0.849 0.907 0.940 0.992 0.993 1.054 1.077 1.107 1.164
1.001 9.85

99) MT Dibenz(a,h)ant... 0.881 0.932 0.992 1.021 1.054 1.079 1.126 1.184 1.197 1.224
1.069 10.78

100) MT Benzo(g,h,i)pe... 0.977 0.961 1.002 1.015 1.061 1.065 1.117 1.127 1.130 1.142
1.060 6.40

(#) = Out of Range

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Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_006.D
Acq On : 18 Mar 2022 04:44 pm
Operator : 917
Sample : STD SVMS 40 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 22 16:34:52 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:34:40 2022
Response via : Initial Calibration

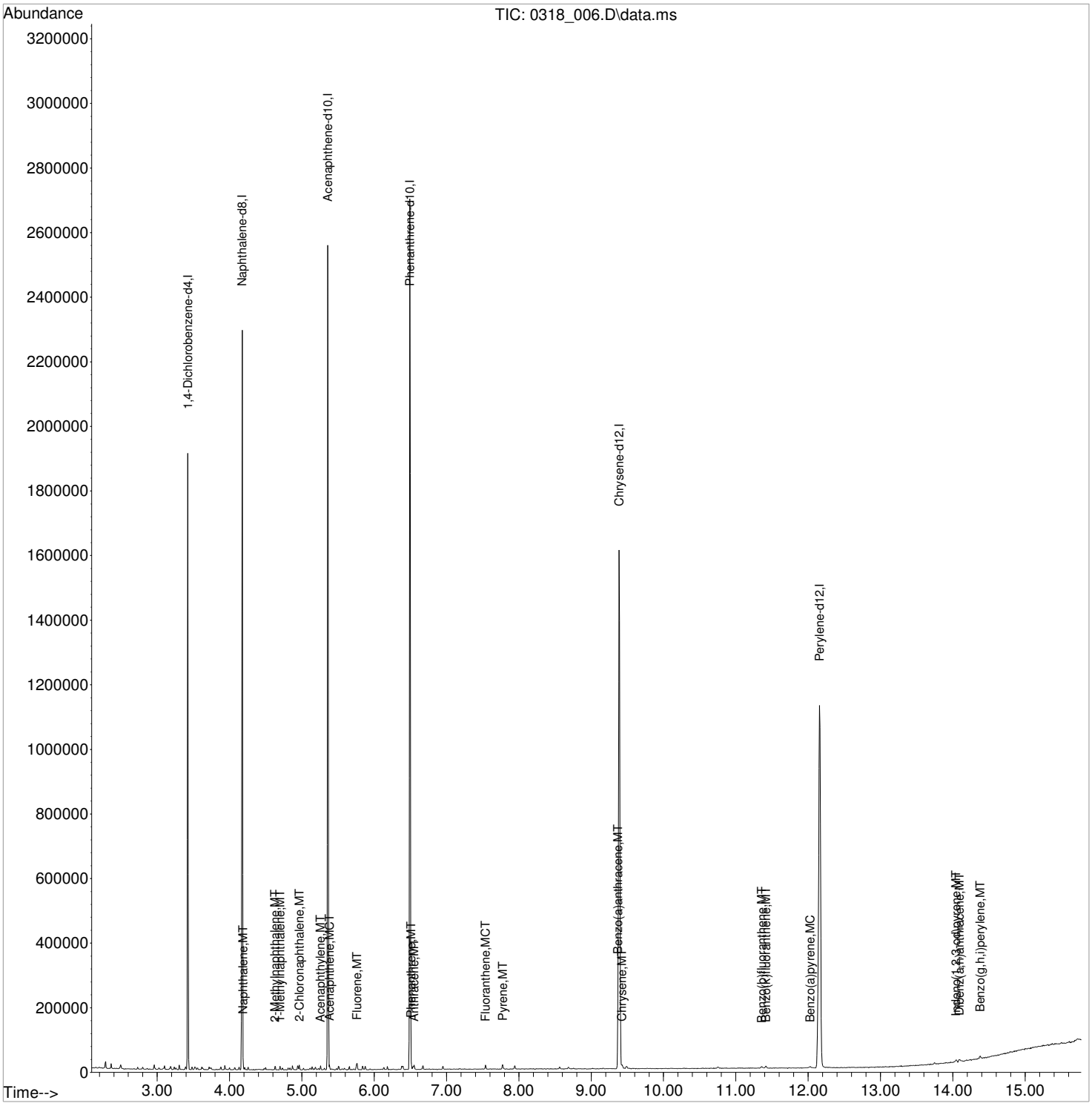
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.422	152	196040	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.175	136	741843	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.358	164	434963	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.493	188	809466	8000.0000000	ppb	0.00
84) Chrysene-d12	9.387	240	733751	8000.0000000	ppb	0.00
94) Perylene-d12	12.157	264	732247	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb	
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#		
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb	
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0d	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#		
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb	
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
34) Naphthalene	4.187	128	4272	45.8020326	ppb	95
41) 2-Methylnaphthalene	4.628	142	2741	42.8271567	ppb	94
42) 1-Methylnaphthalene	4.699	142	2465	41.1870018	ppb	99
52) 2-Chloronaphthalene	4.964	162	2408	39.9842090	ppb	96
54) Acenaphthylene	5.258	152	3942	41.2223055	ppb	97
58) Acenaphthene	5.381	153	2631	41.3565662	ppb	93
64) Fluorene	5.764	166	2938	38.8570208	ppb	98
78) Phenanthrene	6.511	178	5077	48.2623263	ppb	95
79) Anthracene	6.552	178	4451	41.7846686	ppb	98
83) Fluoranthene	7.540	202	4936	43.4074711	ppb	96
86) Pyrene	7.775	202	5436	45.6270022	ppb	97
90) Benzo(a)anthracene	9.369	228	6849	62.0073512	ppb	86
91) Chrysene	9.428	228	4946	47.1614738	ppb	94
95) Benzo(b)fluoranthene	11.357	252	3997m	37.8430590	ppb	
96) Benzo(k)fluoranthene	11.416	252	4021m	36.9856133	ppb	
97) Benzo(a)pyrene	12.028	252	3550	38.0435145	ppb	97
98) Indeno(1,2,3-cd)pyrene	14.045	276	3395	37.3375679	ppb	97
99) Dibenz(a,h)anthracene	14.092	278	3226	32.6547772	ppb	88
100) Benzo(g,h,i)perylene	14.381	276	3577	36.7084548	ppb	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_006.D
Acq On : 18 Mar 2022 04:44 pm
Operator : 917
Sample : STD SVMS 40 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 3 Sample Multiplier: 1

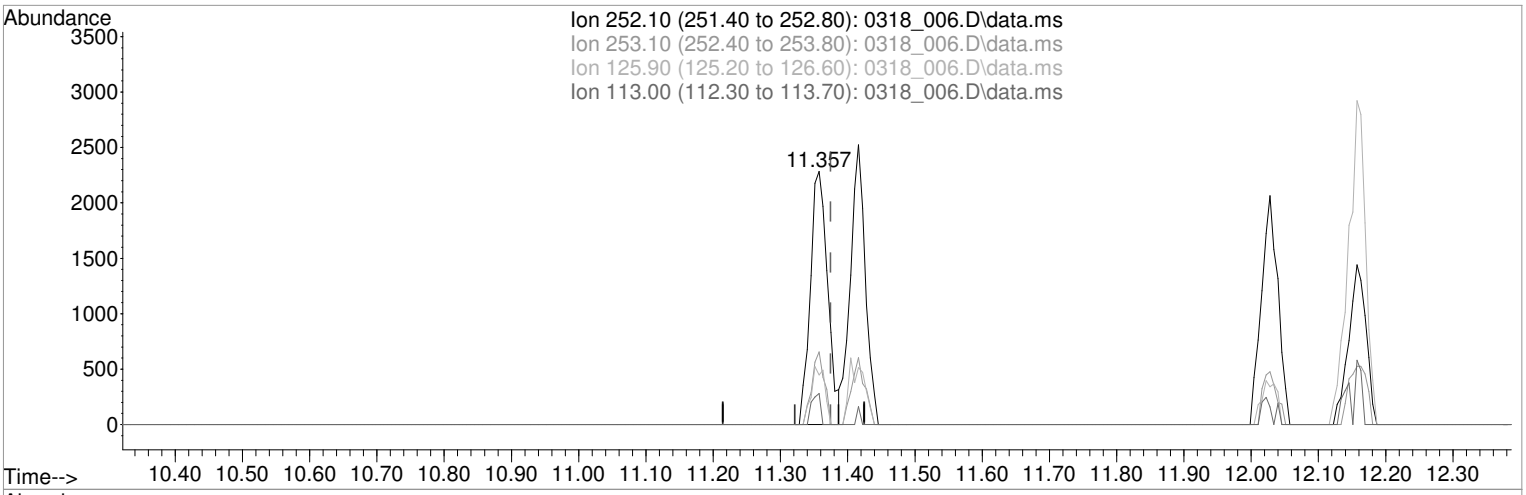
Quant Time: Mar 22 16:34:52 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:34:40 2022
Response via : Initial Calibration

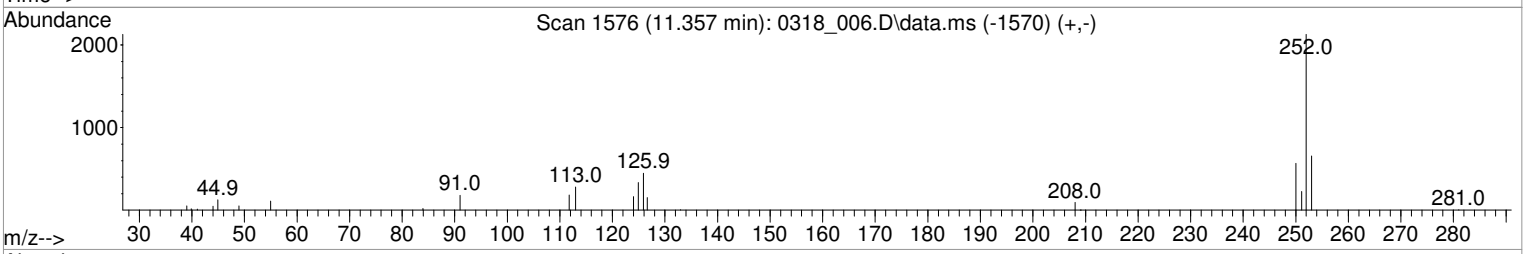


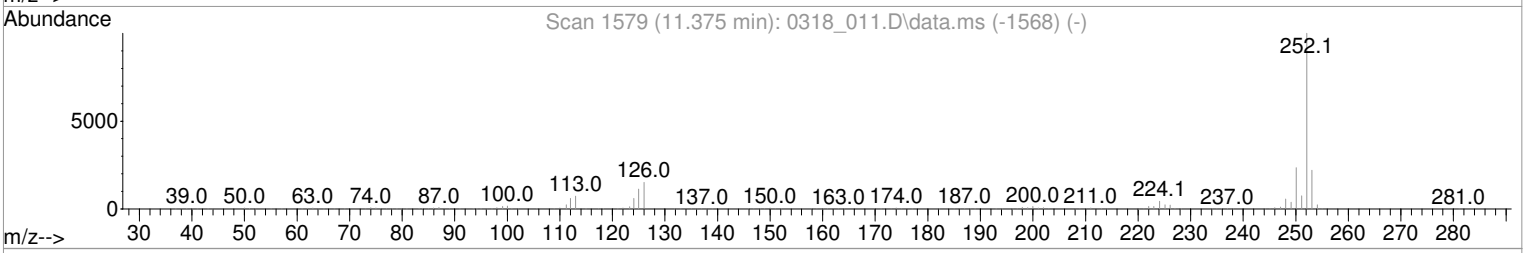
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_006.D
Acq On : 18 Mar 2022 04:44 pm
Operator : 917
Sample : STD SVMS 40 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 22 16:34:52 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:34:40 2022
Response via : Initial Calibration







TIC: 0318_006.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.357min (-0.018) 38.8939920 ppb

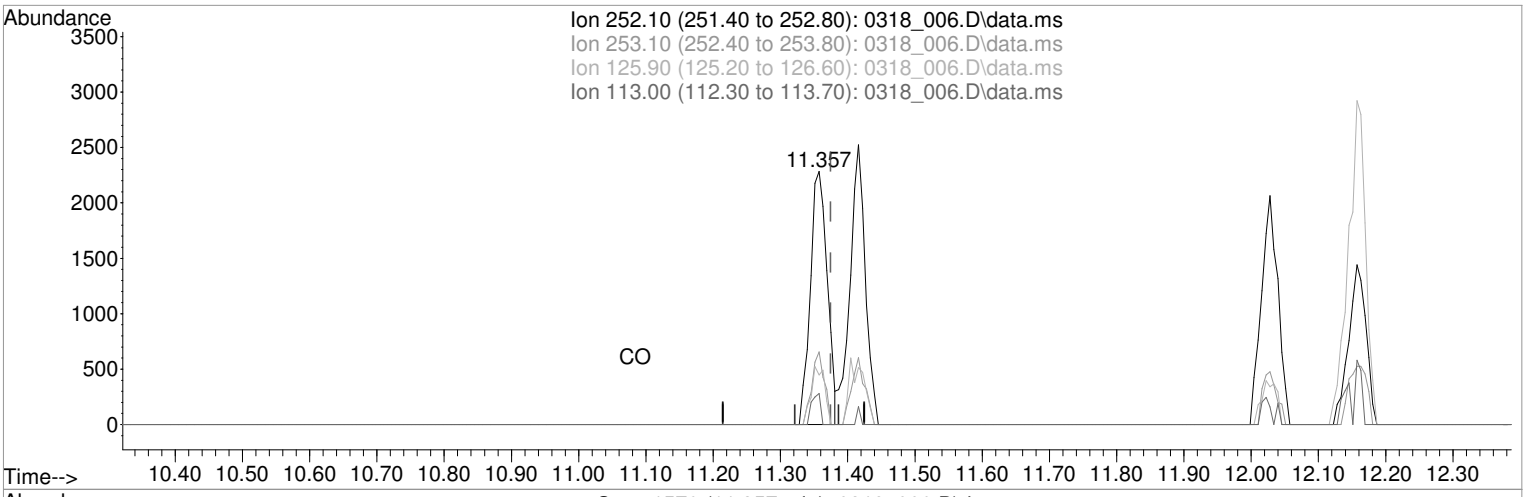
Qvalue = 77

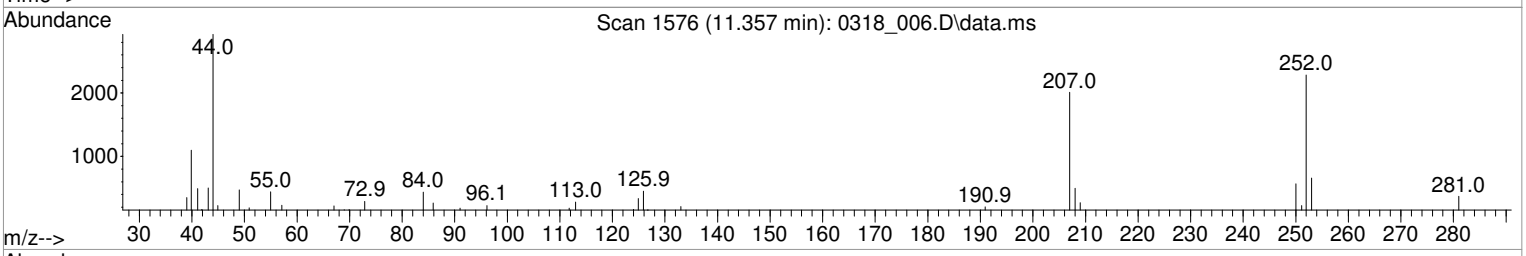
response 4108

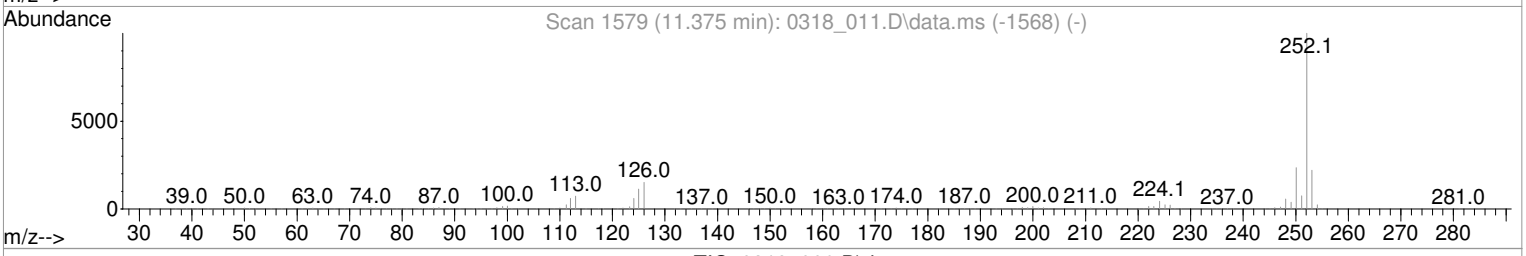
Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.00	30.89
125.90	15.10	28.30
113.00	7.20	13.21

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_006.D
Acq On : 18 Mar 2022 04:44 pm
Operator : 917
Sample : STD SVMS 40 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 22 16:34:52 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:34:40 2022
Response via : Initial Calibration







TIC: 0318_006.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.357min (-0.018) 37.8430590 ppb m

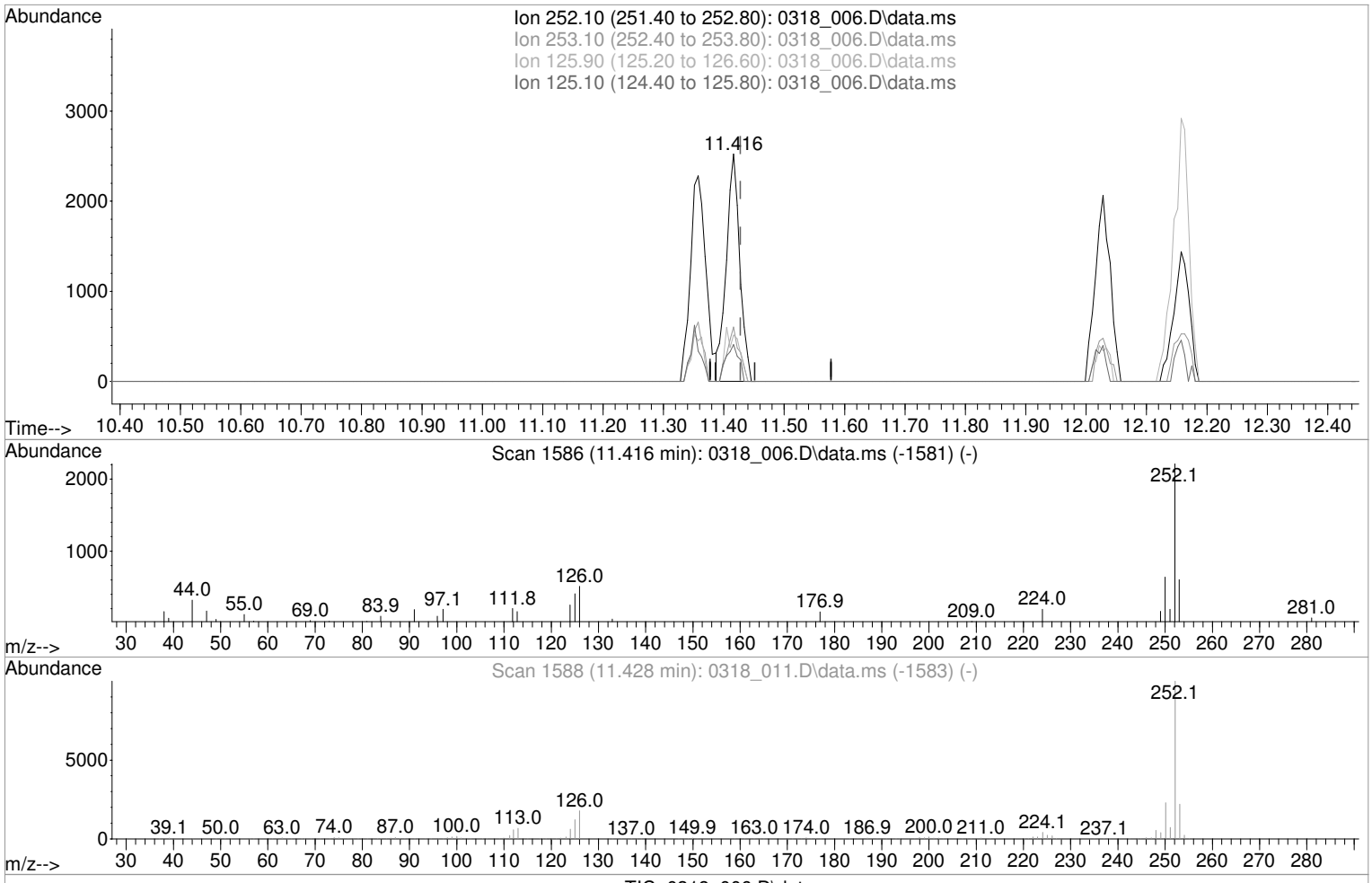
response 3997

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.00	28.77
125.90	15.10	19.66
113.00	7.20	12.30

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_006.D
Acq On : 18 Mar 2022 04:44 pm
Operator : 917
Sample : STD SVMS 40 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 22 16:34:52 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:34:40 2022
Response via : Initial Calibration



TIC: 0318_006.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.416min (-0.012) 35.9646227 ppb

Qvalue = 94

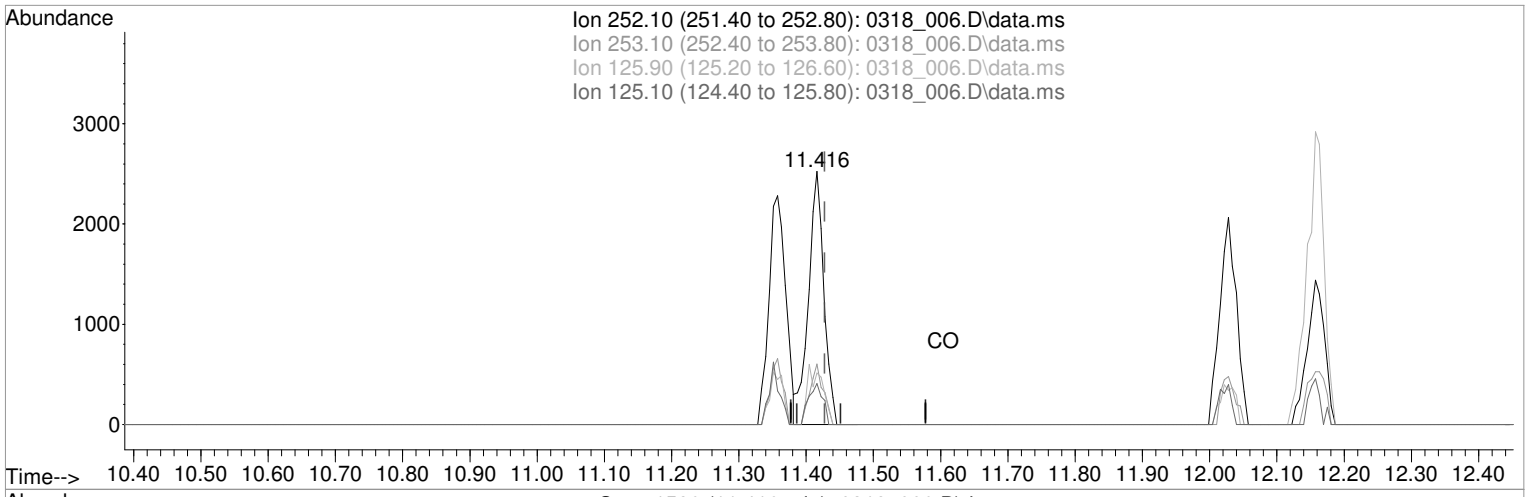
response 3910

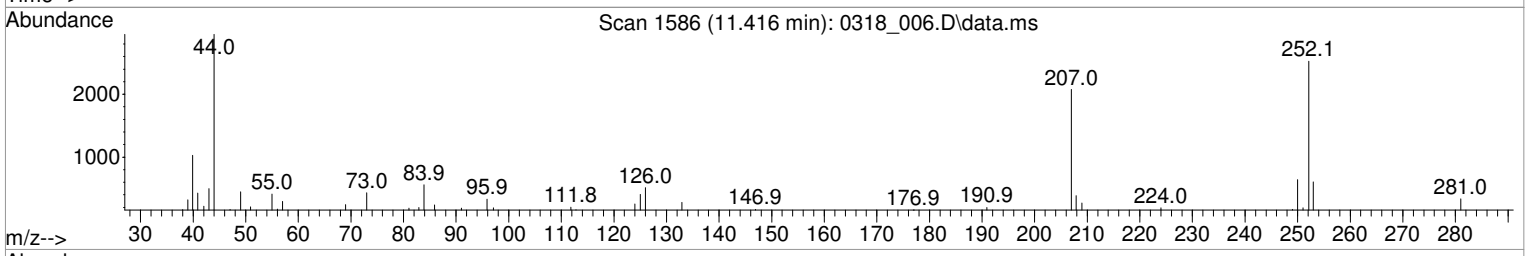
Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.10	23.88
125.90	17.80	20.32
125.10	12.20	16.16

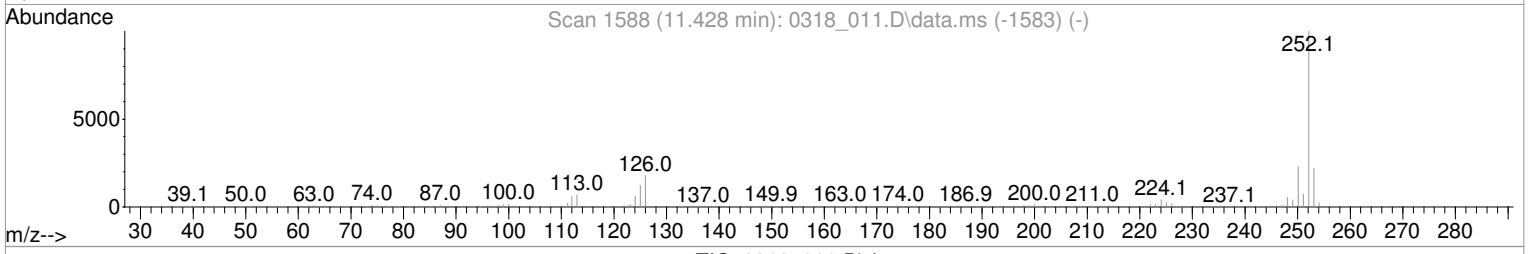
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_006.D
Acq On : 18 Mar 2022 04:44 pm
Operator : 917
Sample : STD SVMS 40 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 22 16:34:52 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:34:40 2022
Response via : Initial Calibration







TIC: 0318_006.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.416min (-0.012) 36.9856133 ppb m

response 4021

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.10	23.88
125.90	17.80	20.32
125.10	12.20	16.16

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 16:41:46 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:41:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.423	152	193919	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.175	136	732020	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.358	164	429637	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.493	188	825397	8000.0000000	ppb	0.00
84) Chrysene-d12	9.387	240	735251	8000.0000000	ppb	0.00
94) Perylene-d12	12.157	264	722498	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.728	112	5567	194.3797718	ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 4.86%#			
7) Phenol-d5	3.181	99	7002	192.3948011	ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 4.81%#			
24) Nitrobenzene-d5	3.734	82	5766m	188.8981874	ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 9.44%#			
50) 2-Fluorobiphenyl	4.870	172	14001	196.7335172	ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 9.84%#			
73) 2,4,6-Tribromophenol	5.946	330	1457	145.2321669	ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 3.63%#			
87) p-Terphenyl-d14	7.946	244	17767	183.0766140	ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 9.15%#			
Target Compounds						Qvalue
2) Pyridine	2.181	79	6114	210.6805306	ppb	95
3) N-Nitrosodimethylamine	2.146	42	2493m	193.7720117	ppb	
5) Aniline	3.234	66	2869	192.5074957	ppb	89
6) bis(2-Chloroethyl)ether	3.258	93	5949	216.5620313	ppb	98
8) Phenol	3.187	94	6786	185.2826675	ppb	92
10) 2-Chlorophenol	3.305	128	5922	183.5537167	ppb	98
11) n-Decane	3.305	41	2784m	205.6200598	ppb	
12) 1,3-Dichlorobenzene	3.393	146	6945	199.6852735	ppb	97
13) 1,4-Dichlorobenzene	3.434	146	7284	200.7237005	ppb	94
14) Benzyl Alcohol	3.481	79	4789	196.3876632	ppb	97
15) 1,2-Dichlorobenzene	3.523	146	6788	201.1605984	ppb	95
16) bis(2-Chloroisopropyl)...	3.558	121	2116	194.7444730	ppb	99
17) 2,2-oxybis(1-chloropro...	3.558	121	2116	194.7444730	ppb	99
18) 2-Methylphenol	3.534	108	5228	186.5252114	ppb	97
19) Hexachloroethane	3.717	117	2782	199.7942568	ppb	94
20) N-Nitrosodi-n-propylamine	3.628	70	4142	197.3330430	ppb	98
21) 3&4-Methyl phenol	3.617	107	6090	190.4565789	ppb	96
25) Nitrobenzene	3.746	77	5765	191.4524645	ppb	98
26) Isophorone	3.881	82	11055	191.0318005	ppb	93
27) 2-Nitrophenol	3.934	139	2521	161.4417369	ppb	87
28) 2,4-Dimethylphenol	3.934	107	5713	181.2657857	ppb	96
29) bis(2-Chlorethoxy)methane	3.999	93	6976	198.3891881	ppb	94
30) 2,4-Dichlorophenol	4.075	162	4758	181.6909002	ppb	92
32) 1,2,4-Trichlorobenzene	4.134	180	5666	191.9663563	ppb	98
34) Naphthalene	4.187	128	19450	197.0400822	ppb	99
35) 4-Chloroaniline	4.205	65	1953	198.9902233	ppb	95
36) Hexachloro-1,3-butadiene	4.258	225	3670	216.5299287	ppb	95

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 4 Sample Multiplier: 1

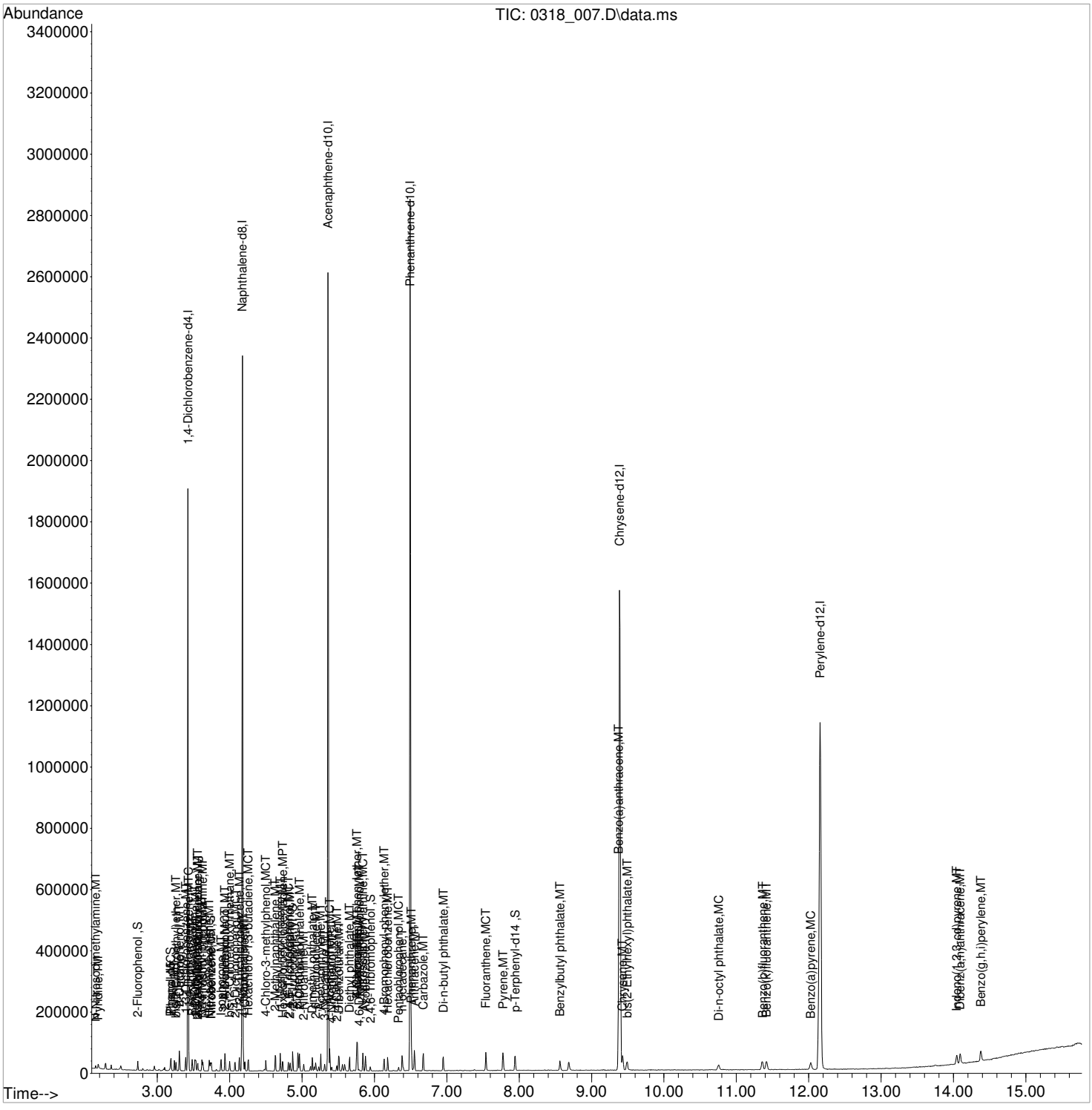
Quant Time: Mar 22 16:41:46 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:41:43 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40)	4-Chloro-3-methylphenol	4.499	107	4545	176.6526103 ppb		97
41)	2-Methylnaphthalene	4.628	142	11977	183.1743025 ppb		98
42)	1-Methylnaphthalene	4.699	142	11393	190.0964000 ppb		99
47)	Hexachlorocyclopentadiene	4.734	237	3742	173.3932784 ppb		97
48)	2,4,6-Trichlorophenol	4.811	196	3250	176.4025736 ppb		97
49)	2,4,5-Trichlorophenol	4.834	196	3358	164.5179733 ppb		95
51)	Biphenyl	4.940	154	15452	196.1812682 ppb		98
52)	2-Chloronaphthalene	4.964	162	11621	195.3943045 ppb		97
53)	2-Nitroaniline	5.022	138	2872	146.9479883 ppb		89
54)	Acenaphthylene	5.258	152	17507	182.5545676 ppb		99
55)	Dimethyl phthalate	5.140	163	13738	197.5533436 ppb		97
56)	2,6-Dinitrotoluene	5.187	165	2250	144.0347418 ppb		81
57)	3-Nitroaniline	5.311	138	2575	147.0456846 ppb		95
58)	Acenaphthene	5.381	153	12341	193.1176613 ppb		96
60)	Dibenzofuran	5.511	168	16674	192.3364618 ppb		99
61)	2,4-Dinitrotoluene	5.481	165	2463	120.2061224 ppb		96
63)	4-Nitrophenol	5.411	139	1746	131.1201935 ppb		91
64)	Fluorene	5.764	166	13863	188.3107848 ppb		99
65)	4-Chlorophenyl-phenyle...	5.758	204	6850	192.9966876 ppb		96
66)	Diethyl phthalate	5.658	149	13368	193.6911556 ppb		98
67)	4-Nitroaniline	5.764	138	2520	129.2187343 ppb		90
68)	Azobenzene	5.875	77	13239	192.7688518 ppb		98
71)	4,6-Dinitro-2-methylph...	5.787	198	625	68.8344565 ppb	#	68
72)	N-Nitrosodiphenylamine	5.840	169	11463	179.3795820 ppb		97
74)	4-Bromophenyl-phenylether	6.134	248	3748	181.1023245 ppb		96
75)	Hexachlorobenzene	6.181	284	4343	190.0066121 ppb		93
76)	n-octadecane	6.381	55	1644m	176.7449785 ppb		
77)	Pentachlorophenol	6.334	266	1433	123.2737381 ppb		87
78)	Phenanthrene	6.511	178	22089	186.6497818 ppb		98
79)	Anthracene	6.552	178	20670	186.1459789 ppb		98
80)	Carbazole	6.675	167	18718	185.5732419 ppb		99
81)	Di-n-butyl phthalate	6.952	149	21354	174.3717492 ppb		98
83)	Fluoranthene	7.540	202	21520	178.0132626 ppb		100
86)	Pyrene	7.775	202	23264	182.0619568 ppb		99
88)	Benzylbutyl phthalate	8.563	149	8365	159.1323942 ppb		96
90)	Benzo(a)anthracene	9.375	228	23060	163.3980673 ppb		94
91)	Chrysene	9.428	228	21059	183.9287016 ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.493	149	12011	162.5659612 ppb		99
93)	Di-n-octyl phthalate	10.757	149	16486	134.9644585 ppb		98
95)	Benzo(b)fluoranthene	11.363	252	19213	189.4690658 ppb		96
96)	Benzo(k)fluoranthene	11.416	252	18729	181.4323418 ppb		95
97)	Benzo(a)pyrene	12.028	252	15532	172.9234055 ppb		96
98)	Indeno(1,2,3-cd)pyrene	14.045	276	15335	176.8114785 ppb		100
99)	Dibenz(a,h)anthracene	14.093	278	16832	190.1362167 ppb		98
100)	Benzo(g,h,i)perylene	14.381	276	17354	188.2411039 ppb		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 16:41:46 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:41:43 2022
Response via : Initial Calibration



Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
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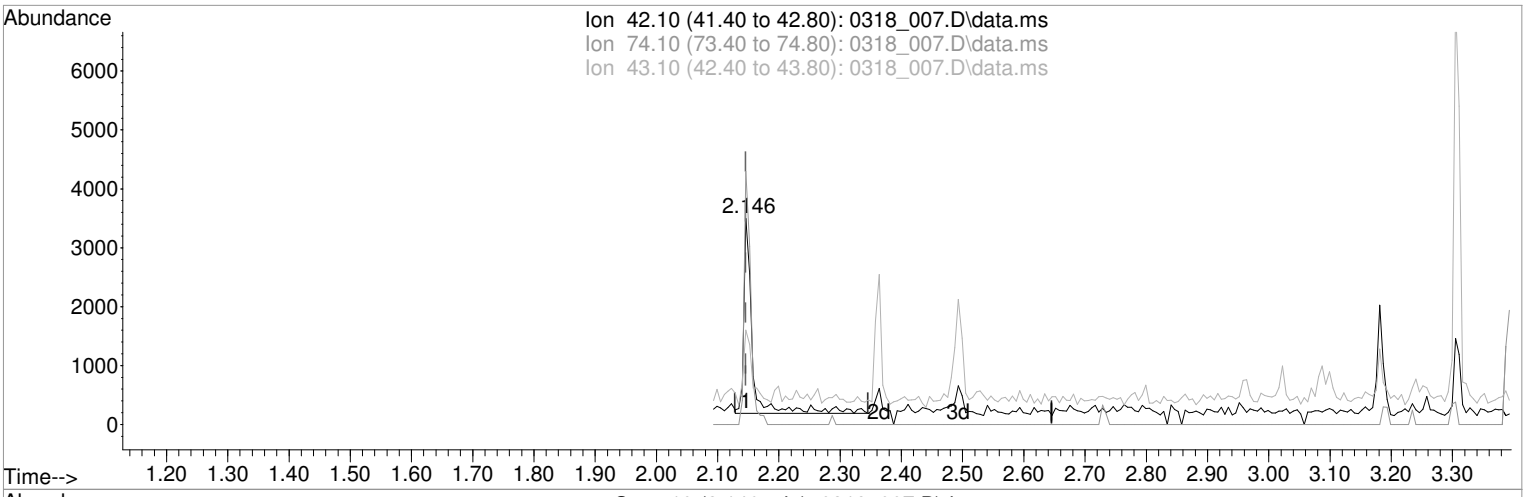

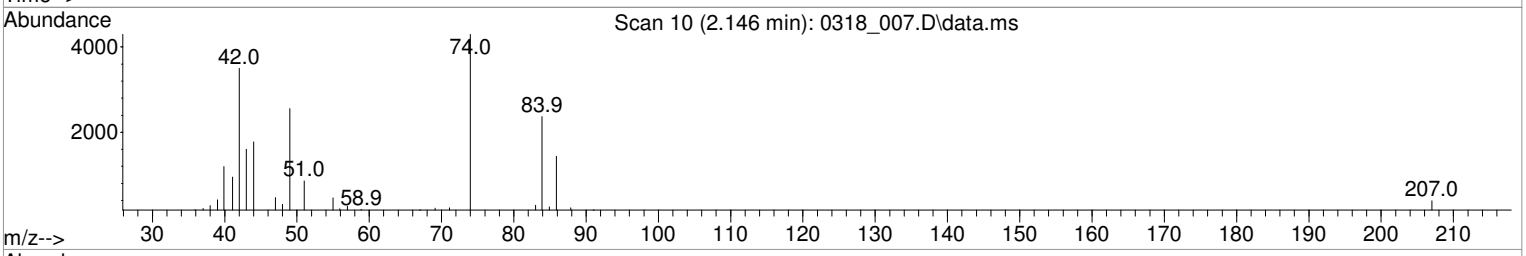

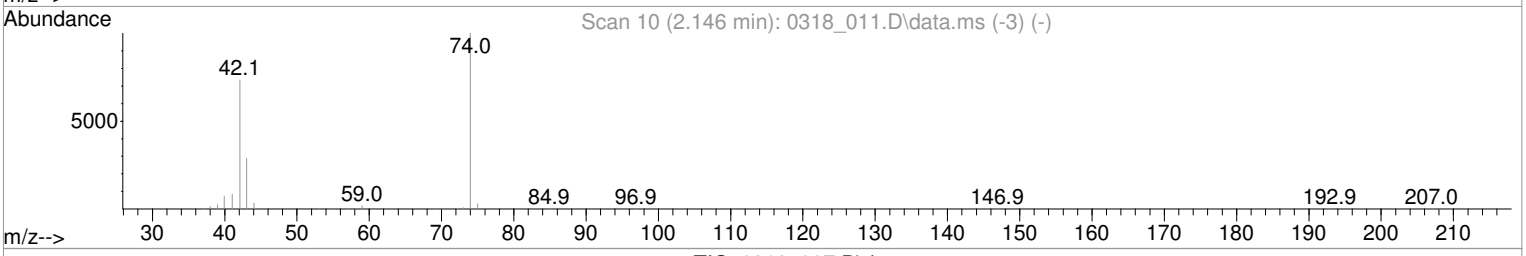

TIC: 0318_007.D\data.ms

(3) N-Nitrosodimethylamine (MT)

2.146min (+ 0.000) 253.4659166 ppb

Qvalue = 77

response 3261

Ion	Exp%	Act%
42.10	100.00	100.00
74.10	131.80	97.15#
43.10	39.70	40.05
0.00	0.00	0.00

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 16:41:46 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
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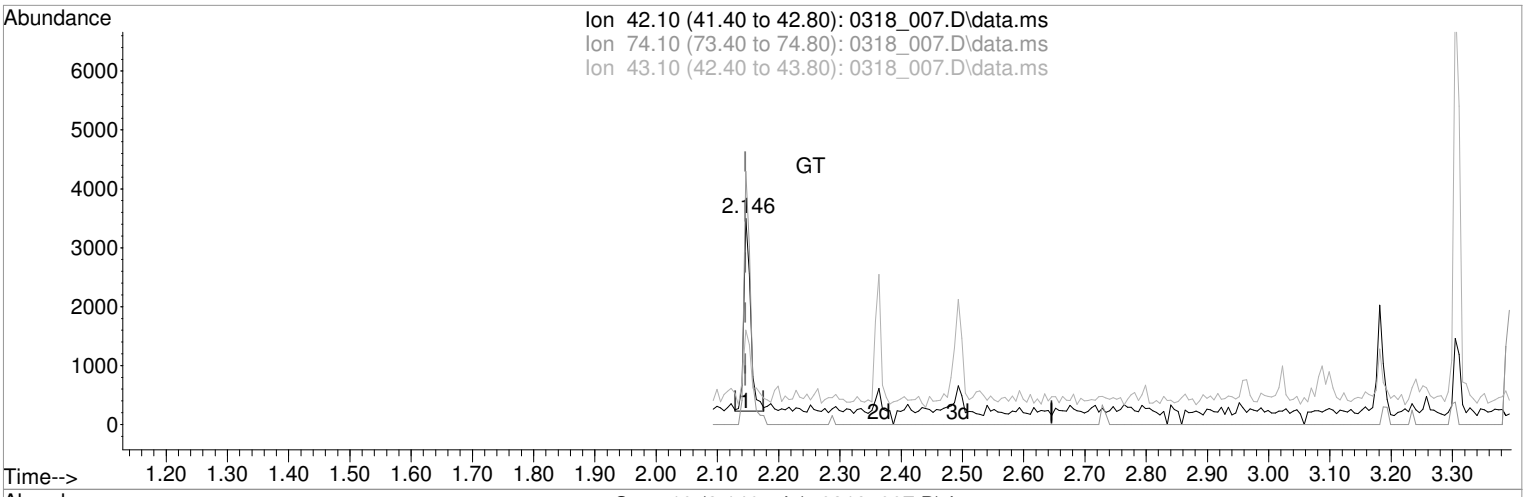
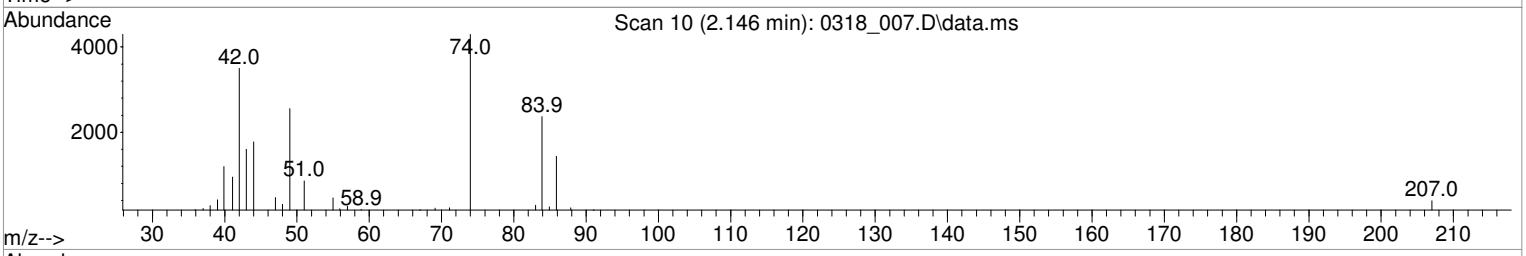
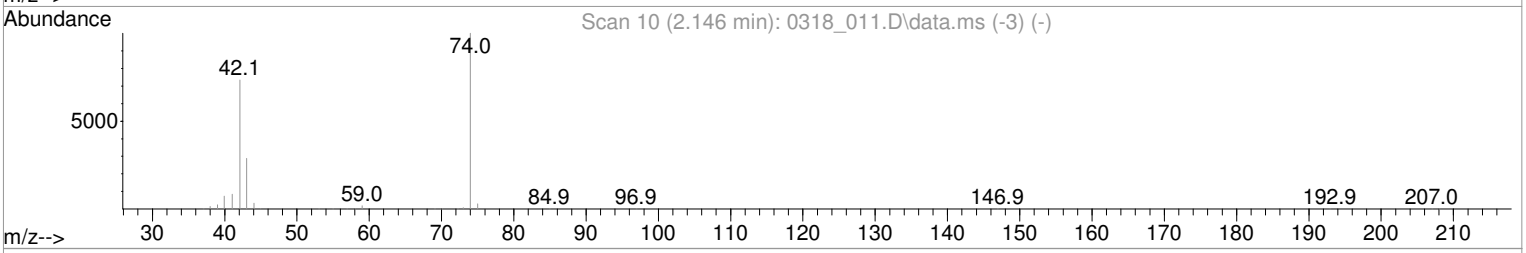
Response via : Initial Calibration







TIC: 0318_007.D\data.ms

(3) N-Nitrosodimethylamine (MT)

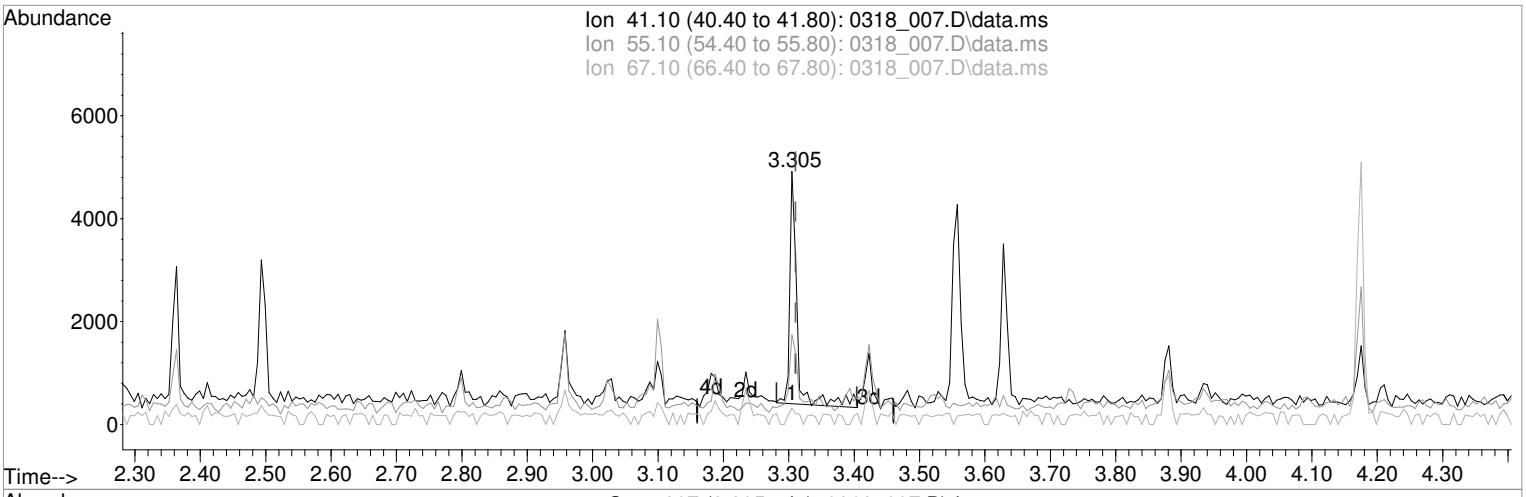
2.146min (+ 0.000) 193.7720117 ppb m

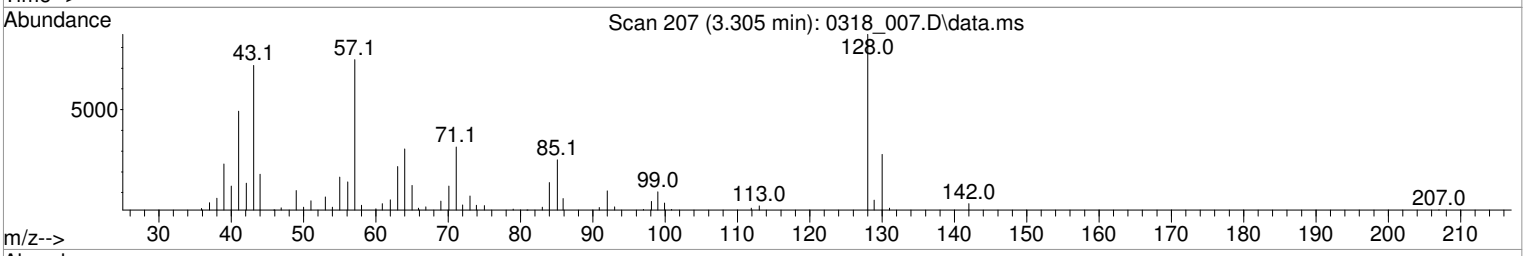
response 2493

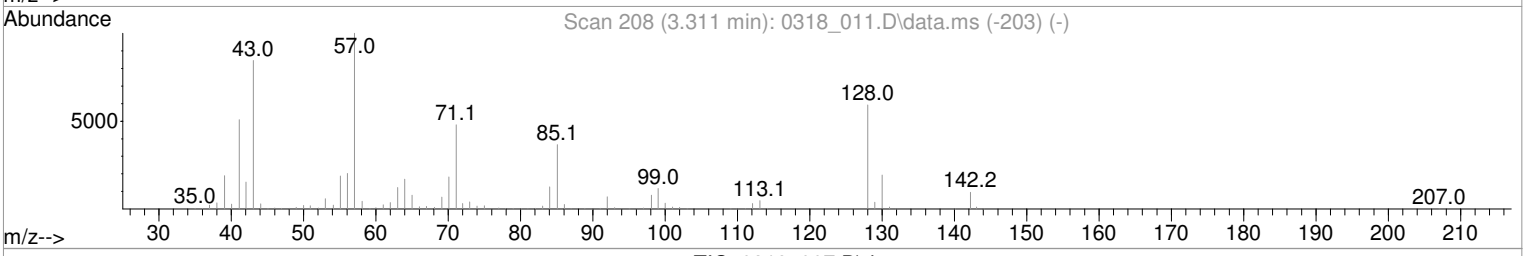
Ion	Exp%	Act%
42.10	100.00	100.00
74.10	131.80	127.08
43.10	39.70	52.39
0.00	0.00	0.00

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 16:41:46 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:41:43 2022
Response via : Initial Calibration







TIC: 0318_007.D\data.ms

(11) n-Decane (T)

3.305min (-0.006) 262.2689772 ppb

Qvalue = 75

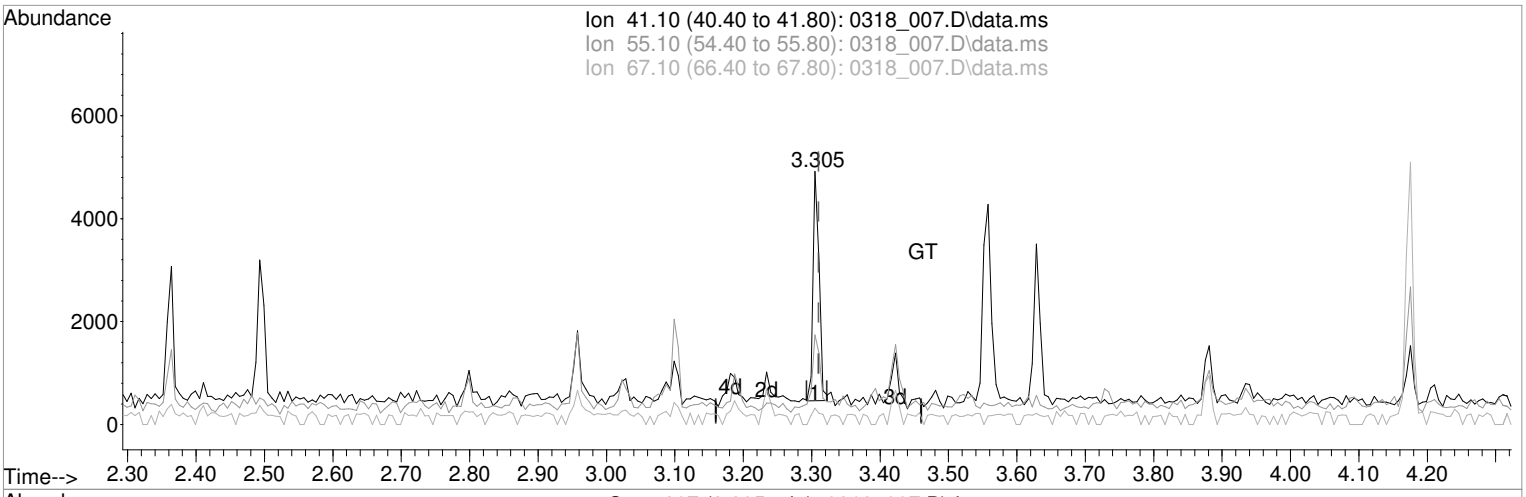
response 3551

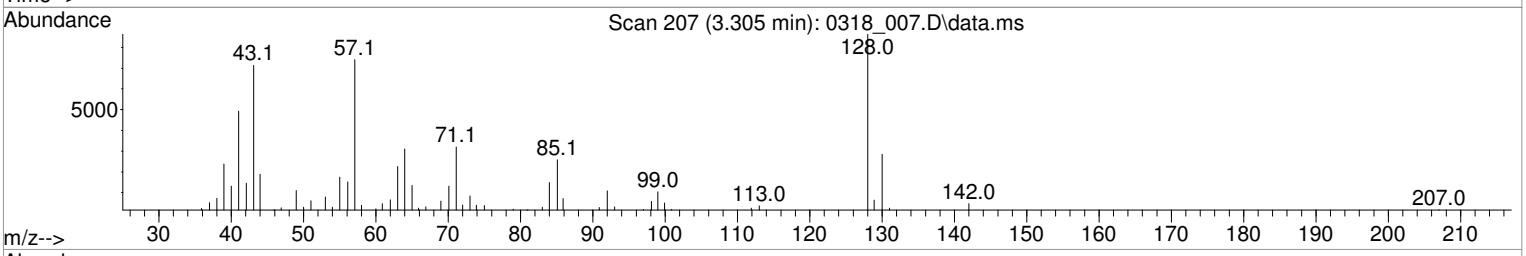
Ion	Exp%	Act%
41.10	100.00	100.00
55.10	36.60	51.99#
67.10	3.80	9.07#
0.00	0.00	0.00

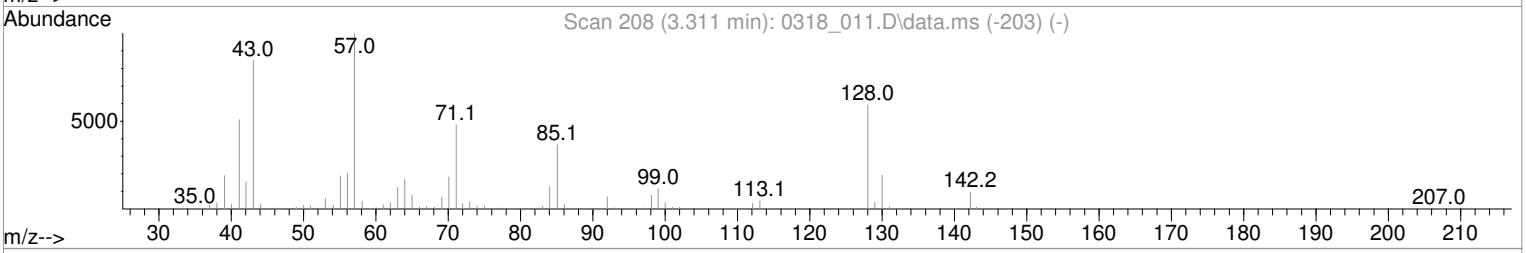
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 16:41:46 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:41:43 2022
Response via : Initial Calibration







TIC: 0318_007.D\data.ms

(11) n-Decane (T)

3.305min (-0.006) 205.6200598 ppb m

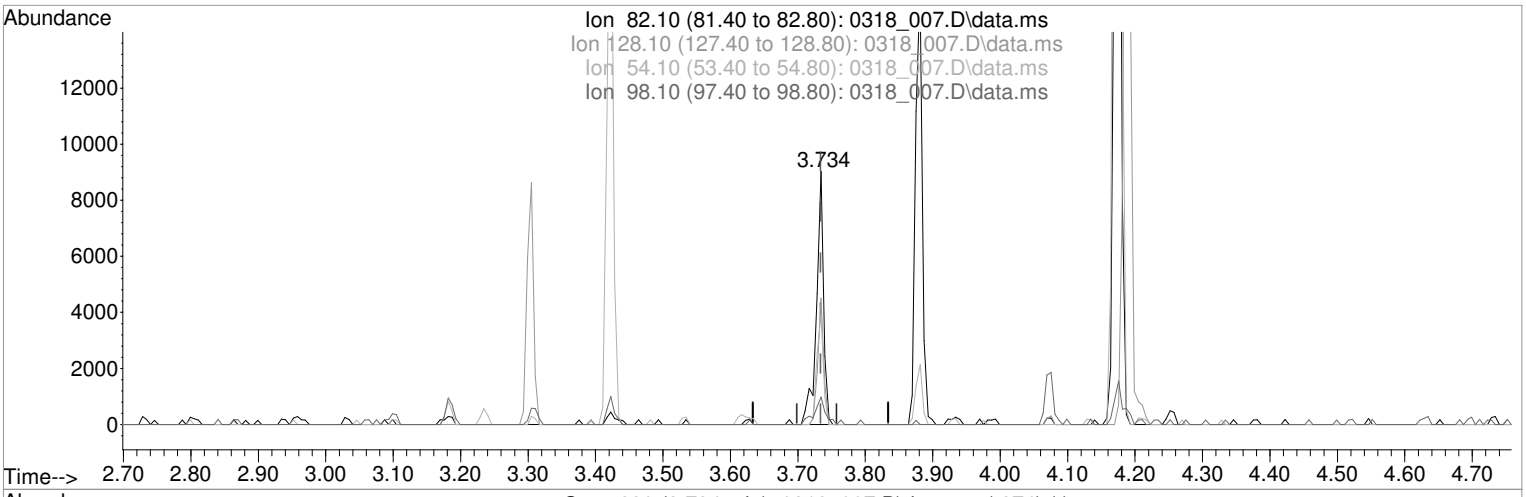
response 2784

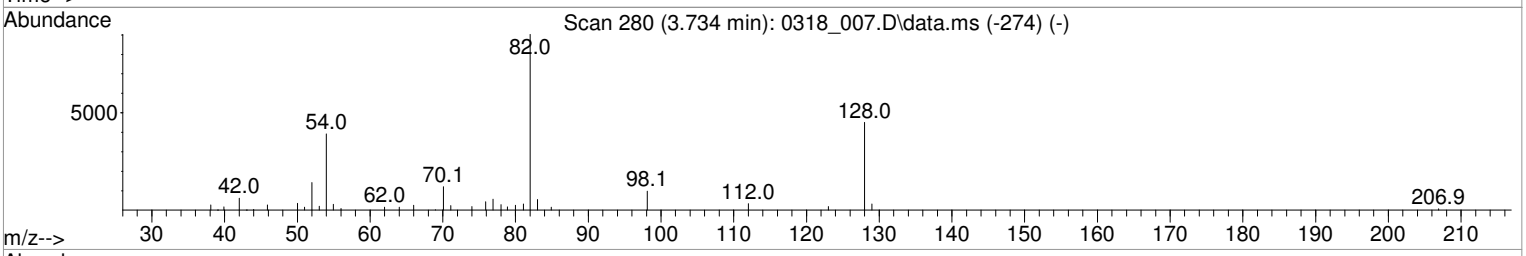
Ion	Exp%	Act%
41.10	100.00	100.00
55.10	36.60	66.31#
67.10	3.80	11.57#
0.00	0.00	0.00

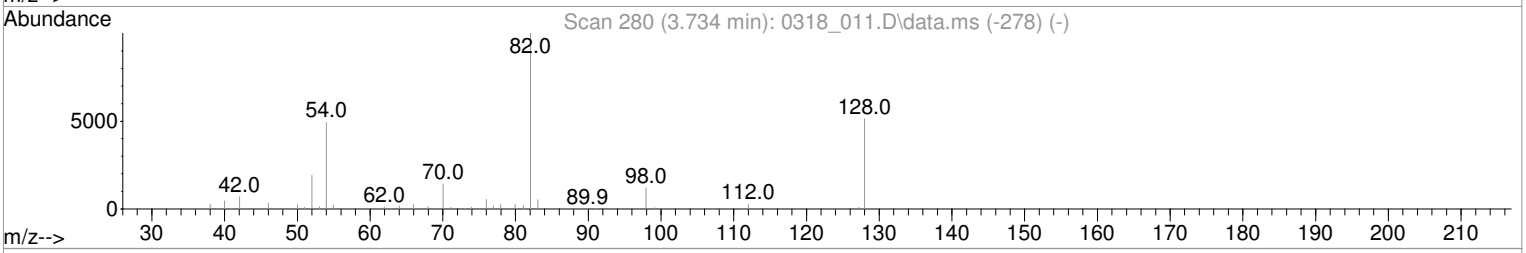
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 16:41:46 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:41:43 2022
Response via : Initial Calibration







TIC: 0318_007.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (+ 0.000) 221.4295610 ppb

Qvalue = 96

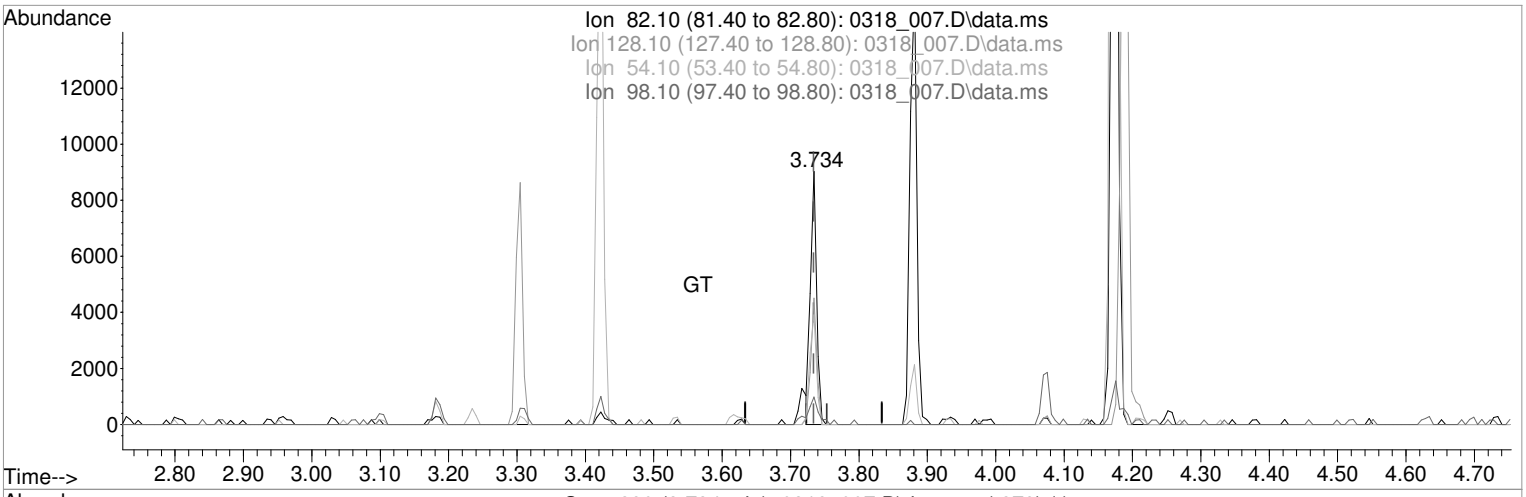
response 6759

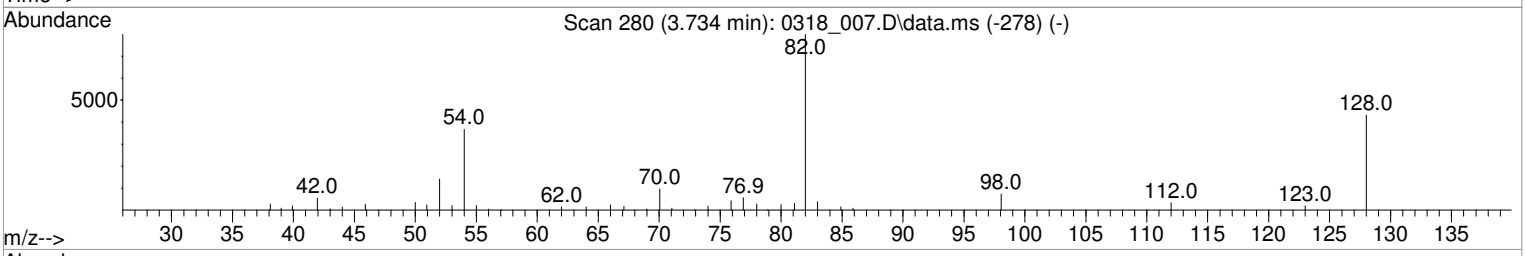
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	49.88
54.10	45.60	43.31
98.10	12.30	10.87

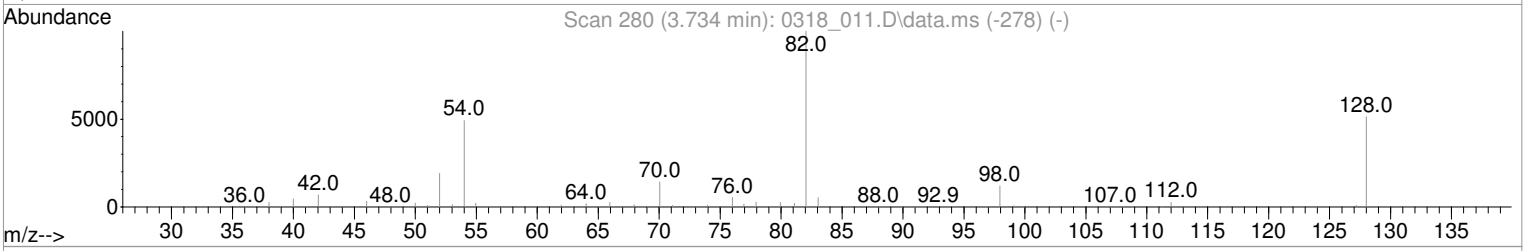
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 16:41:46 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:41:43 2022
Response via : Initial Calibration







TIC: 0318_007.D\data.ms

(24) Nitrobenzene-d5 (S)

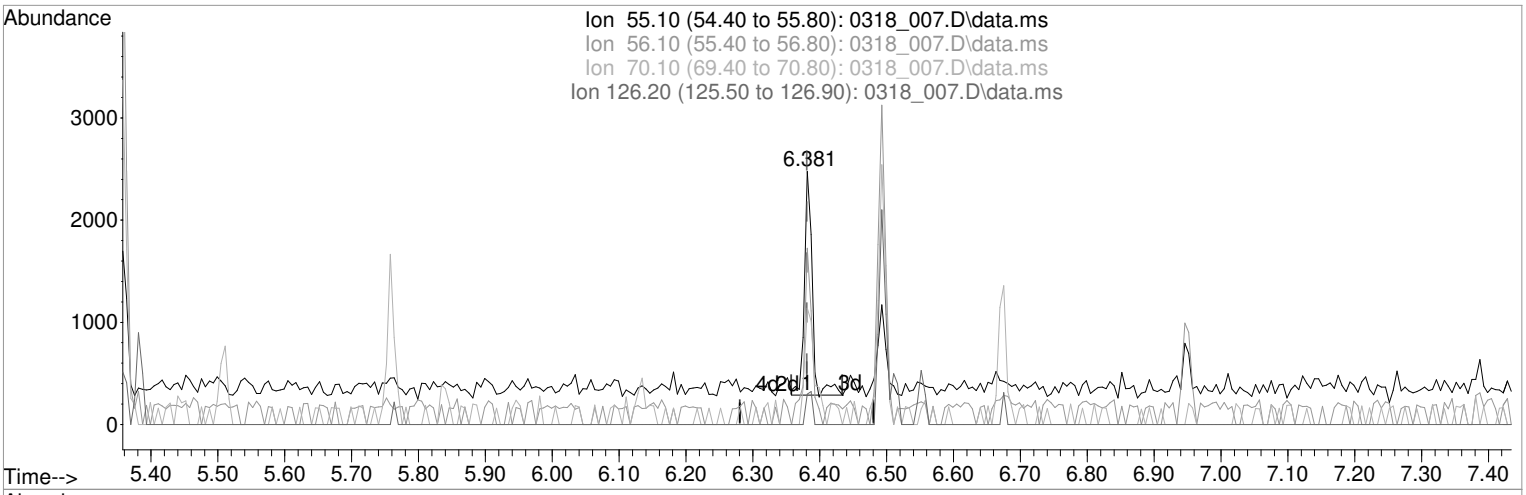
3.734min (+ 0.000) 188.8981874 ppb m

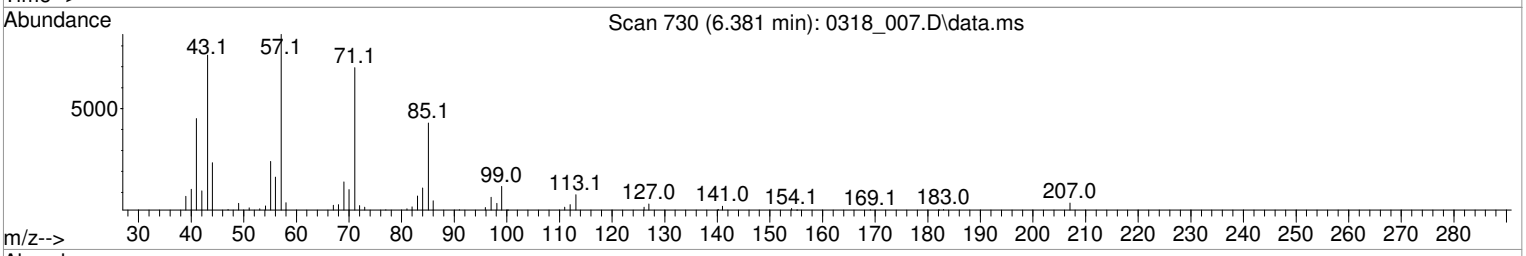
response 5766

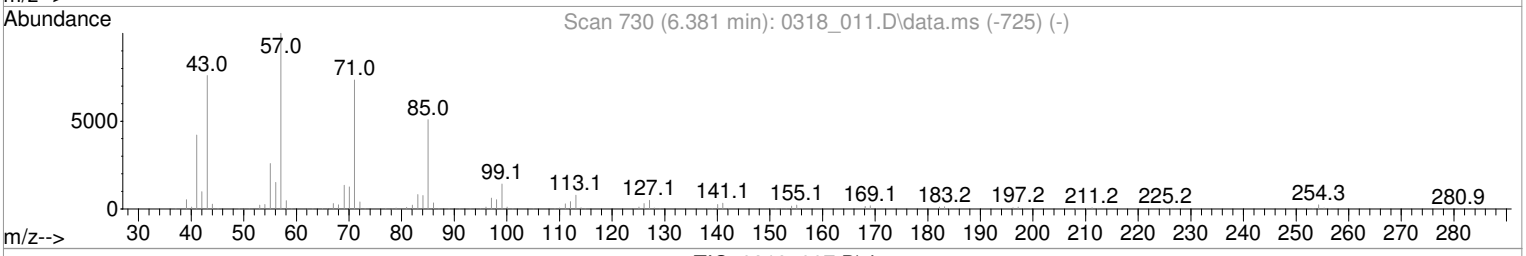
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	49.88
54.10	45.60	43.31
98.10	12.30	10.87

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 16:41:46 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:41:43 2022
Response via : Initial Calibration







TIC: 0318_007.D\data.ms

(76) n-octadecane (T)

6.381min (+ 0.000) 192.0112723 ppb

Qvalue = 75

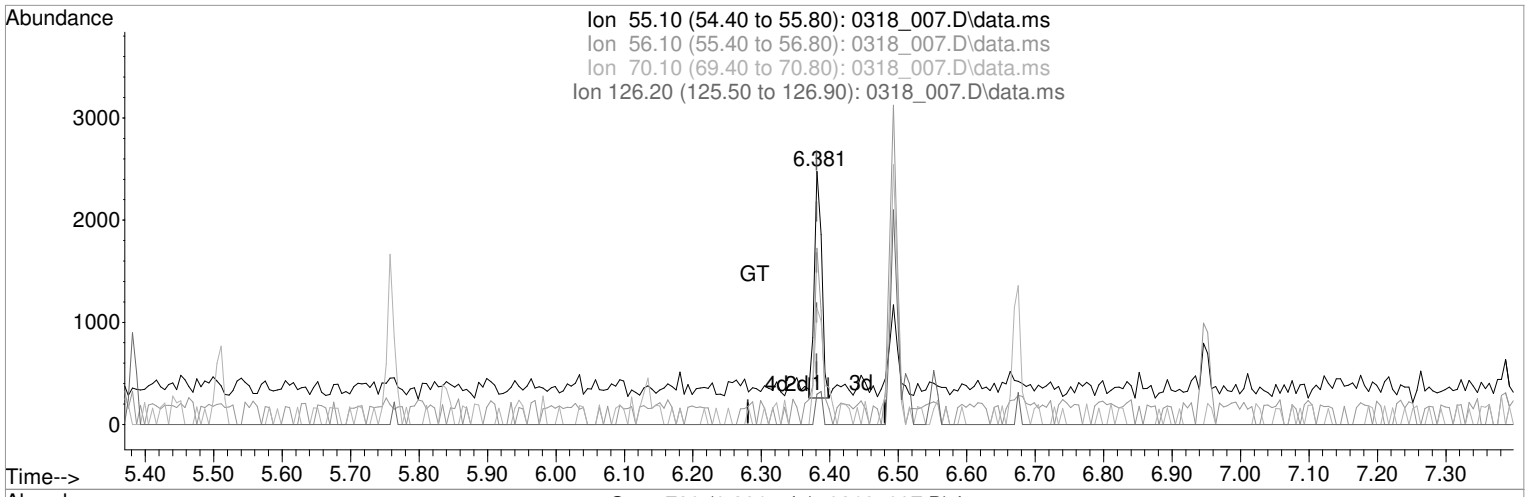
response 1786

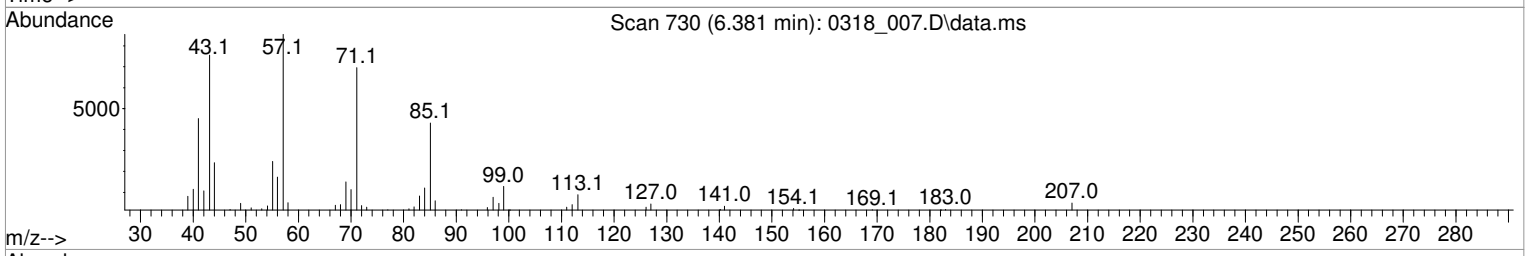
Ion	Exp%	Act%
55.10	100.00	100.00
56.10	58.70	80.68#
70.10	50.10	67.97#
126.20	14.10	12.26

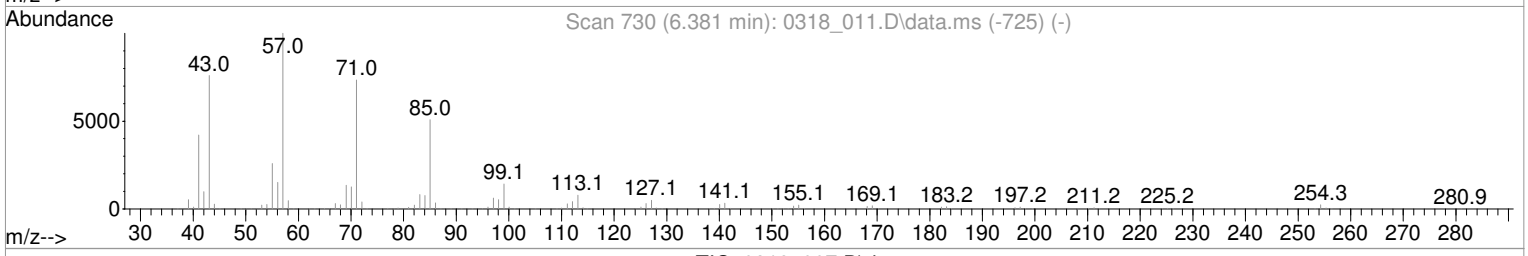
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 16:41:46 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:41:43 2022
Response via : Initial Calibration







TIC: 0318_007.D\data.ms

(76) n-octadecane (T)

6.381min (+ 0.000) 176.7449785 ppb m

response 1644

Ion	Exp%	Act%
55.10	100.00	100.00
56.10	58.70	87.65#
70.10	50.10	73.84#
126.20	14.10	13.32

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_008.D
Acq On : 18 Mar 2022 05:27 pm
Operator : 917
Sample : STD SVMS 1K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 22 16:43:33 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:43:30 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.422	152	190339	8000.0000000 ppb		0.00
23) Naphthalene-d8	4.175	136	722748	8000.0000000 ppb		0.00
46) Acenaphthene-d10	5.358	164	424052	8000.0000000 ppb		0.00
70) Phenanthrene-d10	6.493	188	826359	8000.0000000 ppb		0.00
84) Chrysene-d12	9.387	240	730851	8000.0000000 ppb		0.00
94) Perylene-d12	12.163	264	734053	8000.0000000 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.728	112	27728	1000.4291363 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 25.01%			
7) Phenol-d5	3.181	99	34952	997.4073951 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 24.94%			
24) Nitrobenzene-d5	3.734	82	28810m	983.2331931 ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 49.16%			
50) 2-Fluorobiphenyl	4.869	172	71061	1019.9861480 ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 51.00%			
73) 2,4,6-Tribromophenol	5.946	330	7956	917.7848865 ppb		0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 22.94%			
87) p-Terphenyl-d14	7.946	244	93267	1009.5501704 ppb		0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 50.48%			
Target Compounds						Qvalue
2) Pyridine	2.176	79	29044	993.1248606 ppb		99
3) N-Nitrosodimethylamine	2.146	42	13374	1075.8155442 ppb		93
5) Aniline	3.234	66	14403	1003.4013312 ppb		94
6) bis(2-Chloroethyl)ether	3.258	93	29669	1056.6086081 ppb		97
8) Phenol	3.193	94	35715	1031.4417171 ppb		96
10) 2-Chlorophenol	3.305	128	30318	998.4393843 ppb		96
11) n-Decane	3.305	41	14359	1065.5003383 ppb	#	98
12) 1,3-Dichlorobenzene	3.393	146	35643	1044.9186054 ppb		96
13) 1,4-Dichlorobenzene	3.434	146	35909	1006.3280322 ppb		98
14) Benzyl Alcohol	3.481	79	23426	987.6428999 ppb		99
15) 1,2-Dichlorobenzene	3.522	146	33599	1011.4903354 ppb		99
16) bis(2-Chloroisopropyl)...	3.558	121	11113	1055.8866644 ppb		97
17) 2,2-oxybis(1-chloropro...	3.558	121	11113	1055.8866644 ppb		97
18) 2-Methylphenol	3.534	108	27057	1017.7857082 ppb		97
19) Hexachloroethane	3.717	117	13982	1023.5550189 ppb		97
20) N-Nitrosodi-n-propylamine	3.628	70	20611	1007.1326357 ppb		96
21) 3&4-Methyl phenol	3.617	107	30770	1004.3521389 ppb		98
25) Nitrobenzene	3.746	77	28540	980.9178247 ppb		96
26) Isophorone	3.881	82	56217	1006.4647060 ppb		94
27) 2-Nitrophenol	3.934	139	12560	901.5511135 ppb		88
28) 2,4-Dimethylphenol	3.934	107	30272	1020.6126200 ppb		95
29) bis(2-Chlorethoxy)methane	3.999	93	35850	1036.7861435 ppb		96
30) 2,4-Dichlorophenol	4.075	162	24827	1006.2762361 ppb		95
32) 1,2,4-Trichlorobenzene	4.134	180	29607	1036.7885756 ppb		97
34) Naphthalene	4.187	128	92116	949.8474383 ppb		99
35) 4-Chloroaniline	4.205	65	9773	1011.0931787 ppb		98
36) Hexachloro-1,3-butadiene	4.258	225	16786	963.2719524 ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_008.D
Acq On : 18 Mar 2022 05:27 pm
Operator : 917
Sample : STD SVMS 1K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 22 16:43:33 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:43:30 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40)	4-Chloro-3-methylphenol	4.499	107	23597	986.5021184 ppb		96
41)	2-Methylnaphthalene	4.628	142	61681	983.0074813 ppb		99
42)	1-Methylnaphthalene	4.699	142	59470	1021.8756888 ppb		99
47)	Hexachlorocyclopentadiene	4.734	237	19815	996.5488830 ppb		97
48)	2,4,6-Trichlorophenol	4.811	196	16490	963.6785187 ppb		96
49)	2,4,5-Trichlorophenol	4.834	196	17982	979.4770313 ppb		97
51)	Biphenyl	4.940	154	78841	1023.9377988 ppb		99
52)	2-Chloronaphthalene	4.964	162	60899	1045.4606583 ppb		98
53)	2-Nitroaniline	5.022	138	15695	938.0342732 ppb		96
54)	Acenaphthylene	5.258	152	93094	1012.9776453 ppb		99
55)	Dimethyl phthalate	5.140	163	71268	1044.7264358 ppb		98
56)	2,6-Dinitrotoluene	5.187	165	13250	999.1734102 ppb		88
57)	3-Nitroaniline	5.311	138	14898	993.4795288 ppb		93
58)	Acenaphthene	5.381	153	62634	1004.5573665 ppb		97
59)	2,4-Dinitrophenol	5.387	184	3523	563.2038754 ppb	#	1
60)	Dibenzofuran	5.511	168	89236	1063.2754827 ppb		99
61)	2,4-Dinitrotoluene	5.481	165	15355	948.4728775 ppb		90
63)	4-Nitrophenol	5.411	139	10256	942.6711978 ppb		98
64)	Fluorene	5.764	166	71928	1009.5851521 ppb		100
65)	4-Chlorophenyl-phenyle...	5.758	204	35049	1018.3300889 ppb		97
66)	Diethyl phthalate	5.658	149	68723	1025.0200383 ppb		99
67)	4-Nitroaniline	5.764	138	15317	966.8445742 ppb		88
68)	Azobenzene	5.875	77	70333	1056.6869219 ppb		99
71)	4,6-Dinitro-2-methylph...	5.781	198	5094	833.7848422 ppb	#	78
72)	N-Nitrosodiphenylamine	5.840	169	61063	1006.3128414 ppb		99
74)	4-Bromophenyl-phenylether	6.134	248	20773	1052.2917895 ppb		94
75)	Hexachlorobenzene	6.181	284	23120	1036.2125805 ppb		99
76)	n-octadecane	6.381	55	9159	1044.2391542 ppb		96
77)	Pentachlorophenol	6.334	266	8245	876.5944686 ppb		96
78)	Phenanthrene	6.511	178	107250	925.7957733 ppb		98
79)	Anthracene	6.552	178	107287	987.8701644 ppb		99
80)	Carbazole	6.675	167	100498	1032.4298671 ppb		99
81)	Di-n-butyl phthalate	6.952	149	115522	1006.7291231 ppb		98
83)	Fluoranthene	7.540	202	112523	965.0703368 ppb		100
86)	Pyrene	7.775	202	116567	946.0176742 ppb		100
88)	Benzylbutyl phthalate	8.563	149	46130	983.3051078 ppb		97
90)	Benzo(a)anthracene	9.375	228	110411	838.1903018 ppb		99
91)	Chrysene	9.428	228	106806	964.2854578 ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.487	149	65631	985.9144042 ppb		97
93)	Di-n-octyl phthalate	10.752	149	100044	983.9277511 ppb		99
95)	Benzo(b)fluoranthene	11.363	252	99313	981.1800172 ppb		98
96)	Benzo(k)fluoranthene	11.416	252	102550m	1009.0137336 ppb		
97)	Benzo(a)pyrene	12.028	252	87136	999.9722186 ppb		98
98)	Indeno(1,2,3-cd)pyrene	14.045	276	83230	982.5013538 ppb		99
99)	Dibenz(a,h)anthracene	14.098	278	91012	1028.8119435 ppb		99
100)	Benzo(g,h,i)perylene	14.381	276	91943	1001.2410612 ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_008.D
Acq On : 18 Mar 2022 05:27 pm
Operator : 917
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Quant Title : 8270 BNA
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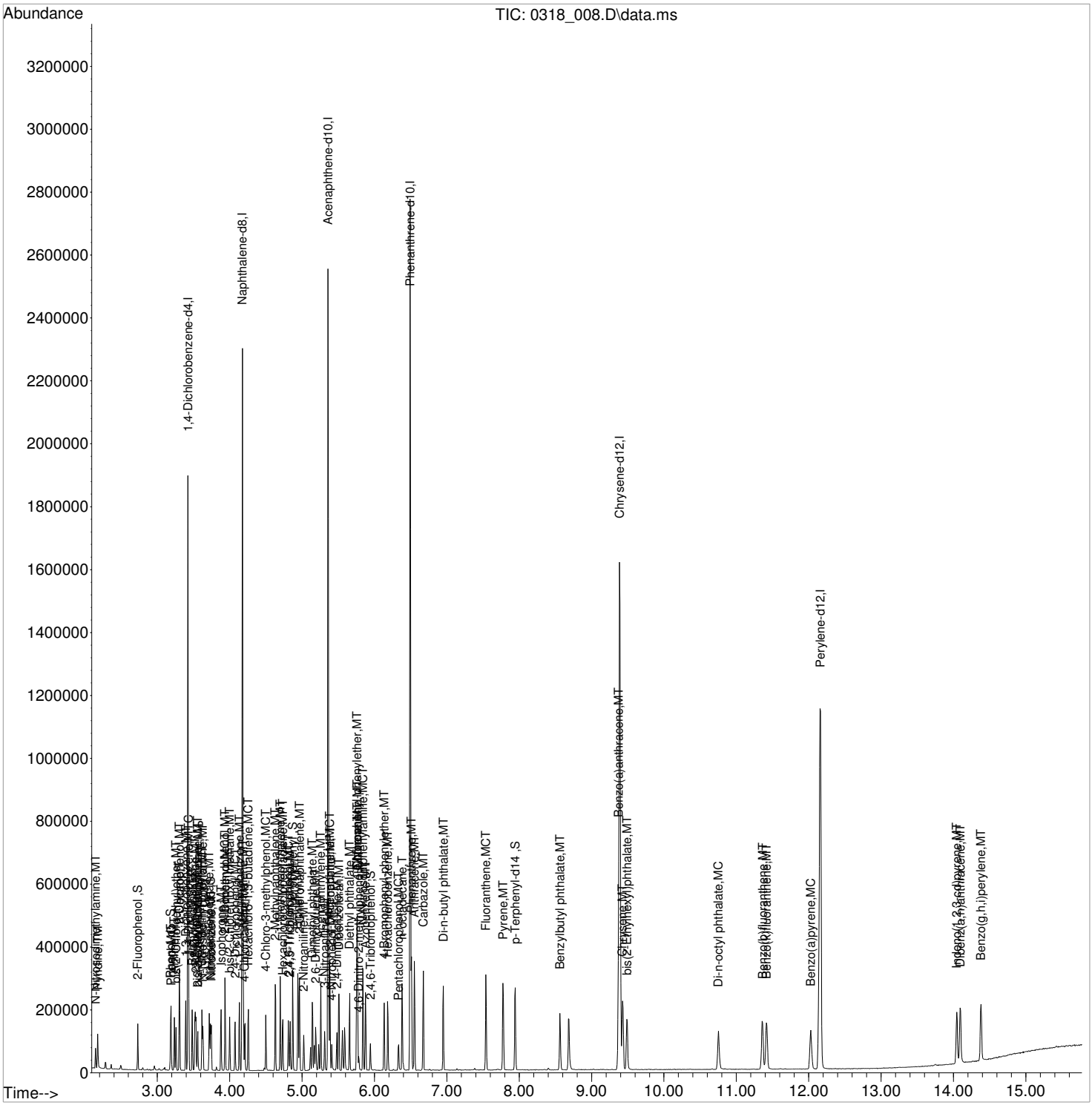

Quantitation Report (Qedit)

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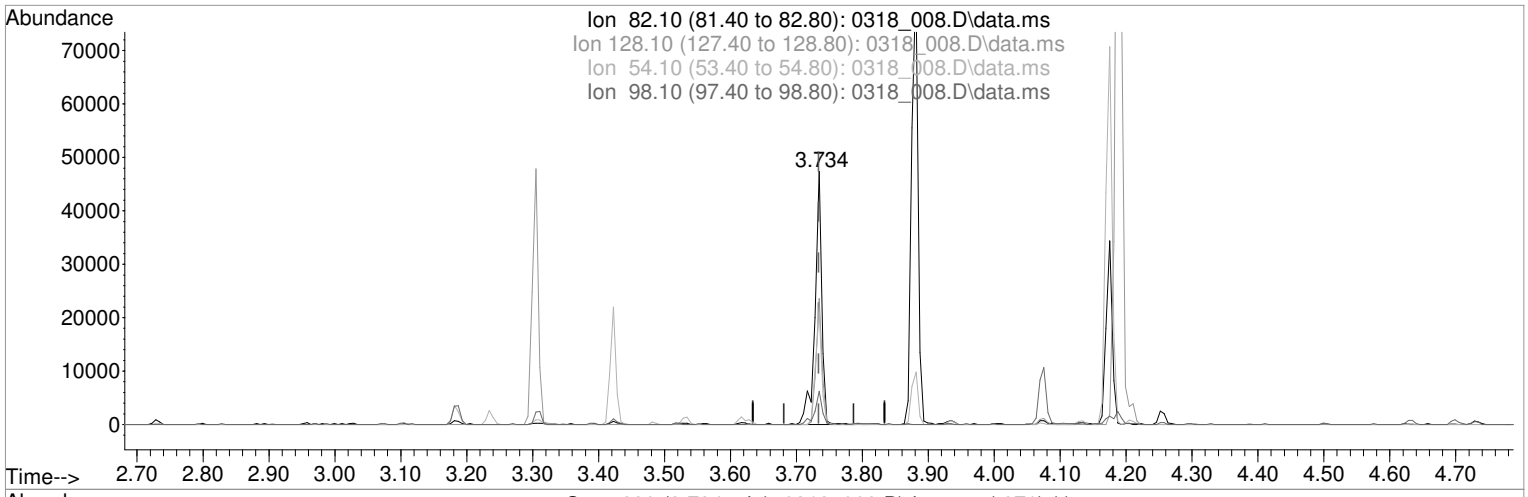

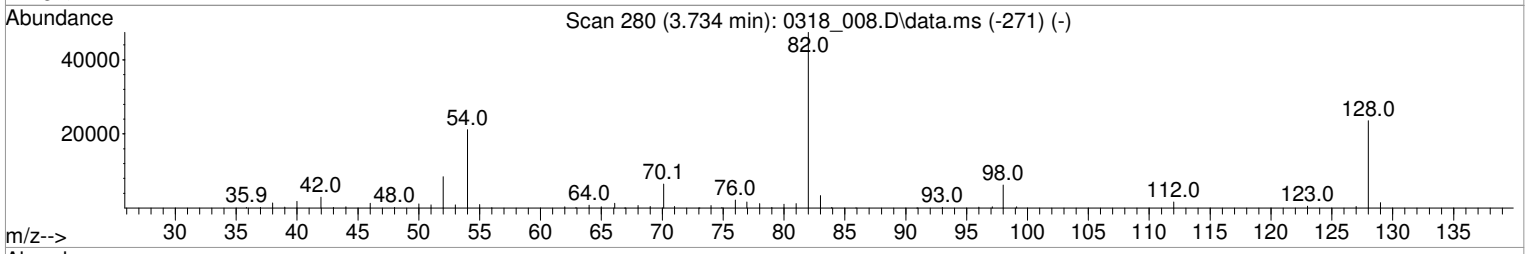

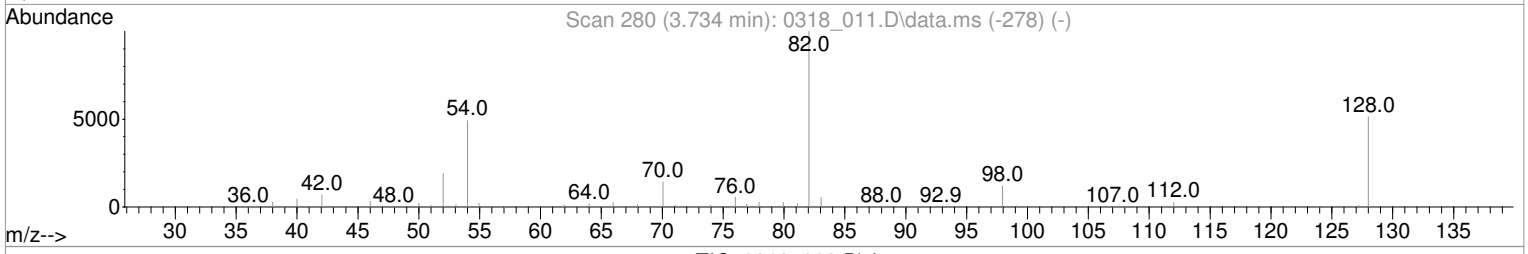

TIC: 0318_008.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (+ 0.000) 1147.8334600 ppb

Qvalue = 97

response 33633

Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	49.80
54.10	45.60	44.56
98.10	12.30	13.08

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_008.D
Acq On : 18 Mar 2022 05:27 pm
Operator : 917
Sample : STD SVMS 1K ppb 22C18416 exp 08/25/22
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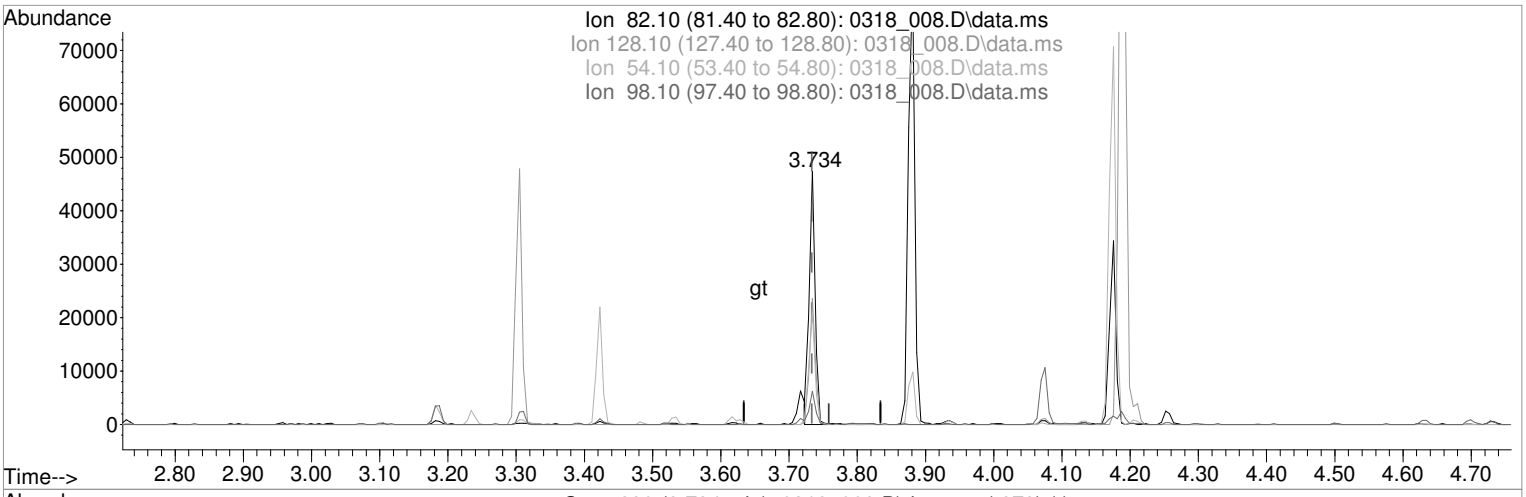
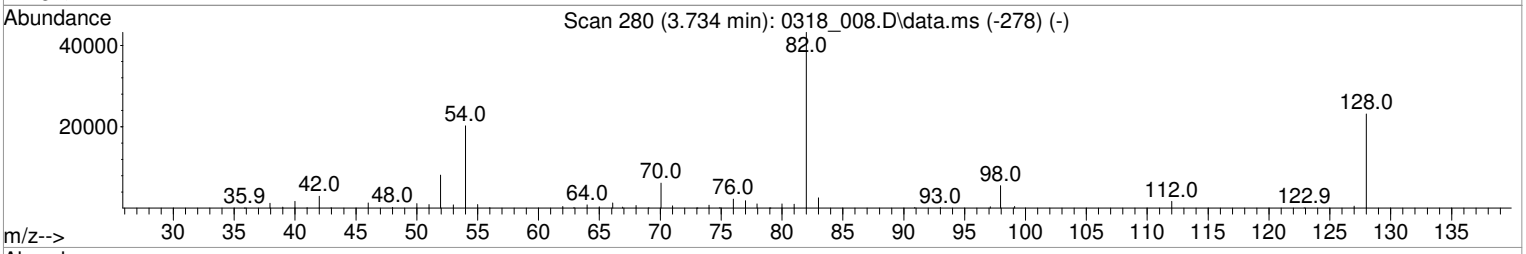
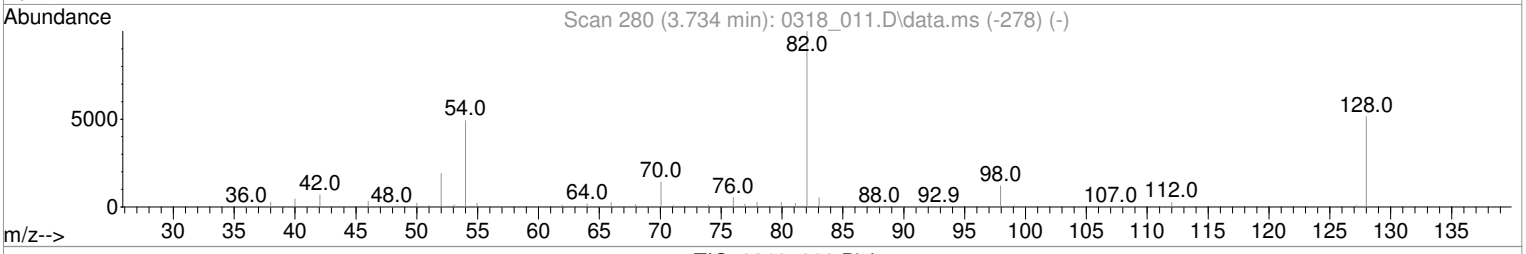
QLast Update : Tue Mar 22 16:43:30 2022
Response via : Initial Calibration







TIC: 0318_008.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (+ 0.000) 983.2331931 ppb m

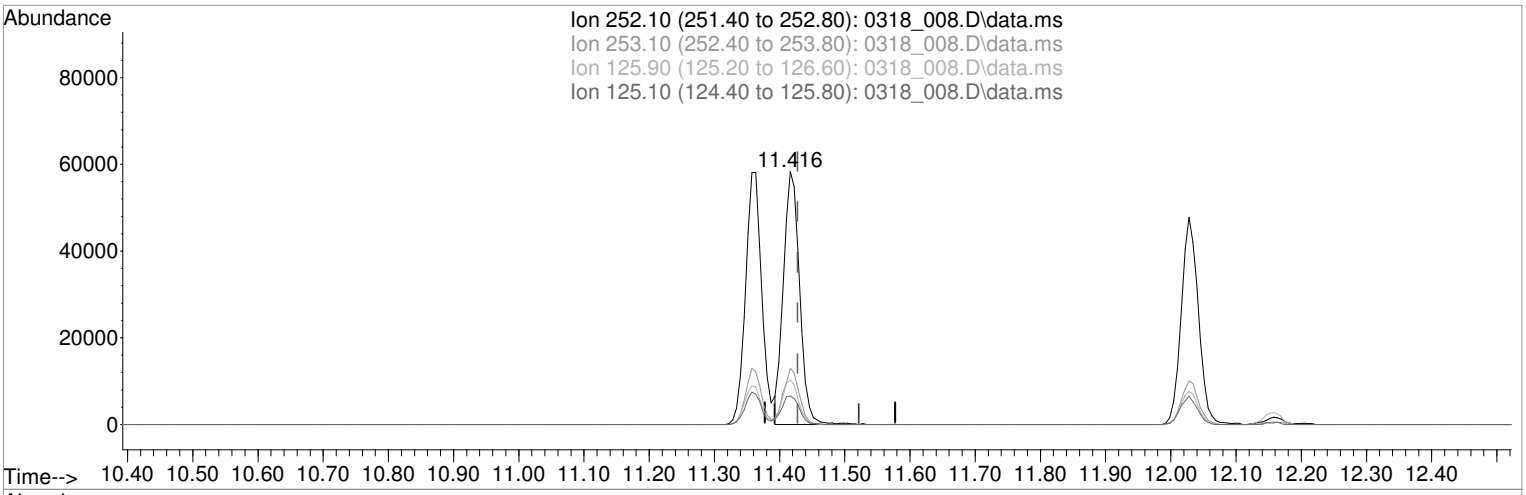
response 28810

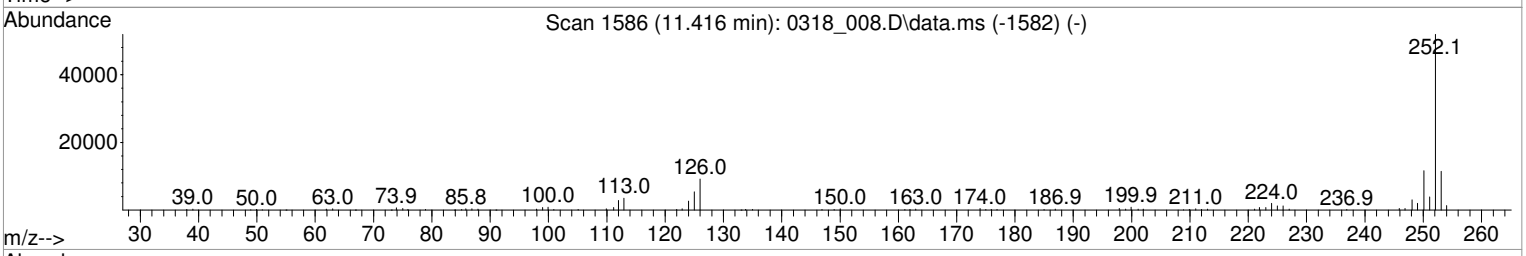
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	49.80
54.10	45.60	44.56
98.10	12.30	13.08

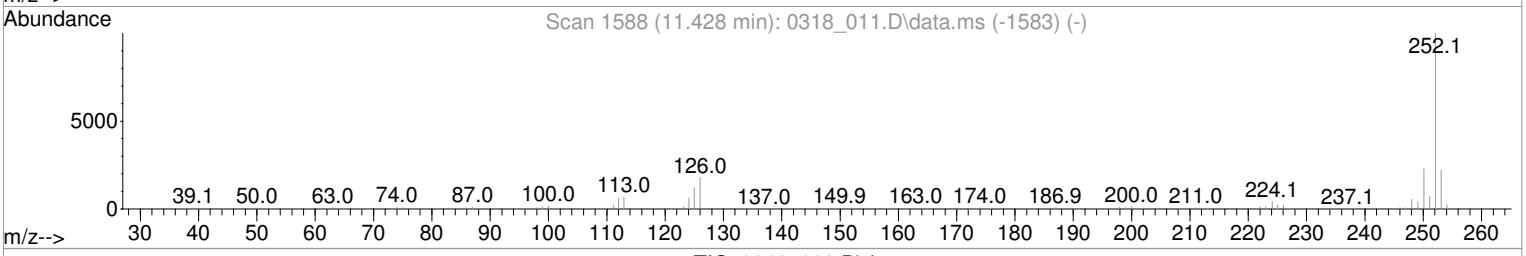
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_008.D
Acq On : 18 Mar 2022 05:27 pm
Operator : 917
Sample : STD SVMS 1K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 22 16:43:33 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:43:30 2022
Response via : Initial Calibration







TIC: 0318_008.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.416min (-0.012) 990.6143608 ppb

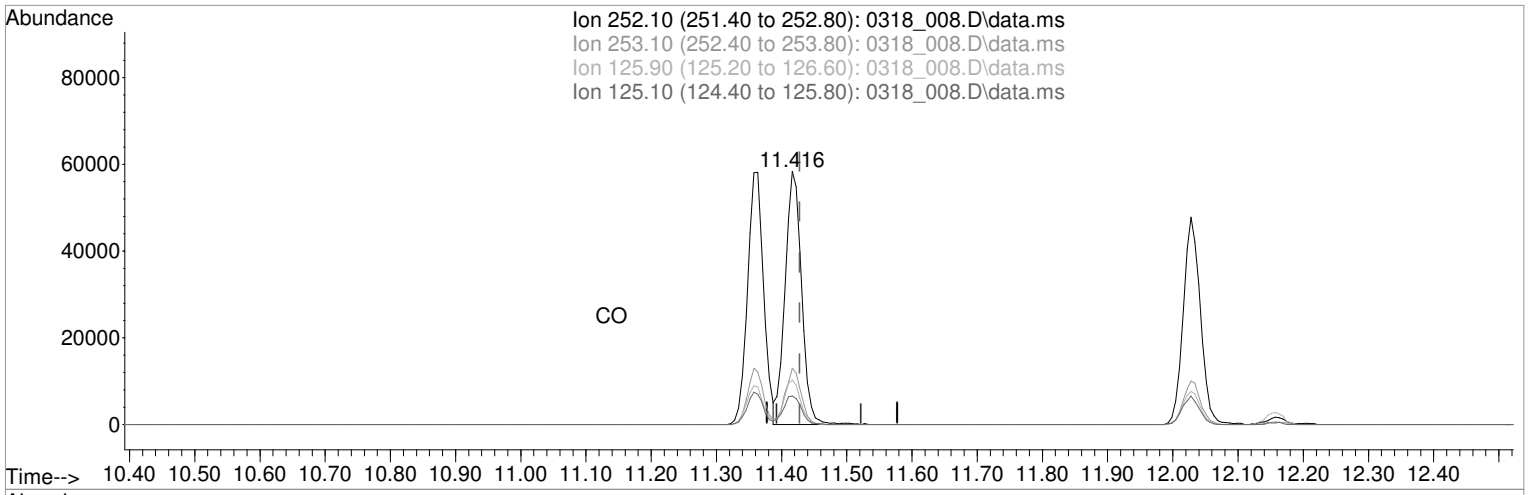
Qvalue = 99

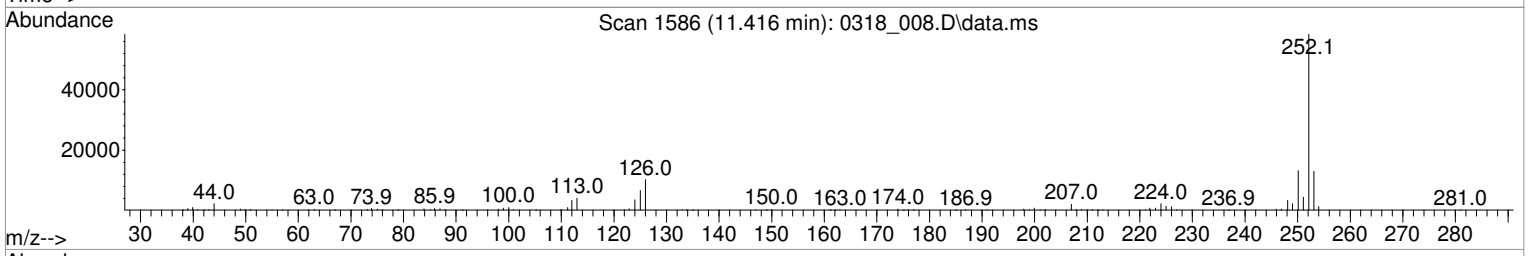
response 100680

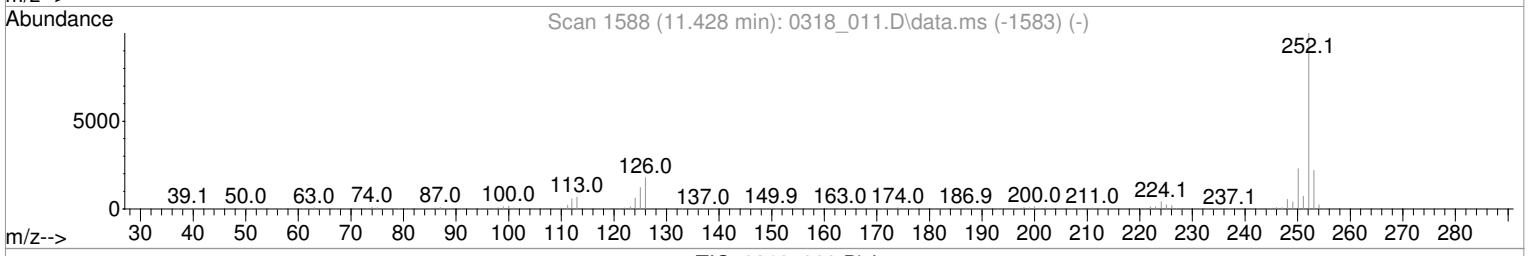
Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.10	22.24
125.90	17.80	17.61
125.10	12.20	11.28

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_008.D
Acq On : 18 Mar 2022 05:27 pm
Operator : 917
Sample : STD SVMS 1K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 22 16:43:33 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:43:30 2022
Response via : Initial Calibration







TIC: 0318_008.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.416min (-0.012) 1009.0137336 ppb m

response 102550

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.10	22.24
125.90	17.80	17.61
125.10	12.20	11.28

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_009.D
Acq On : 18 Mar 2022 05:48 pm
Operator : 917
Sample : STD SVMS 2K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 22 16:45:58 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:45:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.422	152	189422	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.175	136	732303	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.358	164	431552	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.493	188	821288	8000.0000000	ppb		0.00
84) Chrysene-d12	9.393	240	726674	8000.0000000	ppb		0.00
94) Perylene-d12	12.163	264	718887	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.728	112	56036	2031.2817139	ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 50.78%				
7) Phenol-d5	3.181	99	71147	2041.8789418	ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 51.05%				
24) Nitrobenzene-d5	3.734	82	58449m	1979.7962435	ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 98.99%				
50) 2-Fluorobiphenyl	4.869	172	141364	1980.6332722	ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 99.03%				
73) 2,4,6-Tribromophenol	5.946	330	16745	1998.3545679	ppb		0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 49.96%				
87) p-Terphenyl-d14	7.946	244	186613	2025.1196352	ppb		0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 101.26%				
Target Compounds							Qvalue
2) Pyridine	2.175	79	58352	2009.5413988	ppb		97
3) N-Nitrosodimethylamine	2.146	42	27168	2141.8669896	ppb		93
5) Aniline	3.234	66	29016	2028.9180513	ppb		94
6) bis(2-Chloroethyl)ether	3.258	93	57828	2031.0854578	ppb		99
8) Phenol	3.193	94	72608	2085.2009292	ppb		95
10) 2-Chlorophenol	3.305	128	61439	2034.1765343	ppb		98
11) n-Decane	3.305	41	27844	2031.7874497	ppb	#	99
12) 1,3-Dichlorobenzene	3.393	146	69245	2009.7385520	ppb		99
13) 1,4-Dichlorobenzene	3.434	146	71300	2003.5862530	ppb		98
14) Benzyl Alcohol	3.481	79	47588	2024.3667398	ppb		99
15) 1,2-Dichlorobenzene	3.522	146	66786	2012.6023033	ppb		99
16) bis(2-Chloroisopropyl)...	3.558	121	21670	2031.0764884	ppb		99
17) 2,2-oxybis(1-chloropro...	3.558	121	21670	2031.0764884	ppb		99
18) 2-Methylphenol	3.534	108	54153	2034.8361770	ppb		98
19) Hexachloroethane	3.717	117	27556	2011.2164611	ppb		98
20) N-Nitrosodi-n-propylamine	3.628	70	40452	1981.4980117	ppb		94
21) 3&4-Methyl phenol	3.617	107	62787	2056.3452424	ppb		98
25) Nitrobenzene	3.746	77	57768	1972.1199462	ppb		98
26) Isophorone	3.881	82	114245	2014.3239486	ppb		96
27) 2-Nitrophenol	3.934	139	26993	1977.1471084	ppb		91
28) 2,4-Dimethylphenol	3.934	107	60939	2013.8979049	ppb		95
29) bis(2-Chlorethoxy)methane	3.999	93	70378	1984.4496120	ppb		98
30) 2,4-Dichlorophenol	4.075	162	50133	2001.2674071	ppb		94
32) 1,2,4-Trichlorobenzene	4.134	180	58049	1981.9528795	ppb		98
34) Naphthalene	4.187	128	186451	1921.5834816	ppb		100
35) 4-Chloroaniline	4.211	65	18788	1911.3357286	ppb		93
36) Hexachloro-1,3-butadiene	4.258	225	33099	1897.8522488	ppb		99

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_009.D
Acq On : 18 Mar 2022 05:48 pm
Operator : 917
Sample : STD SVMS 2K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 6 Sample Multiplier: 1

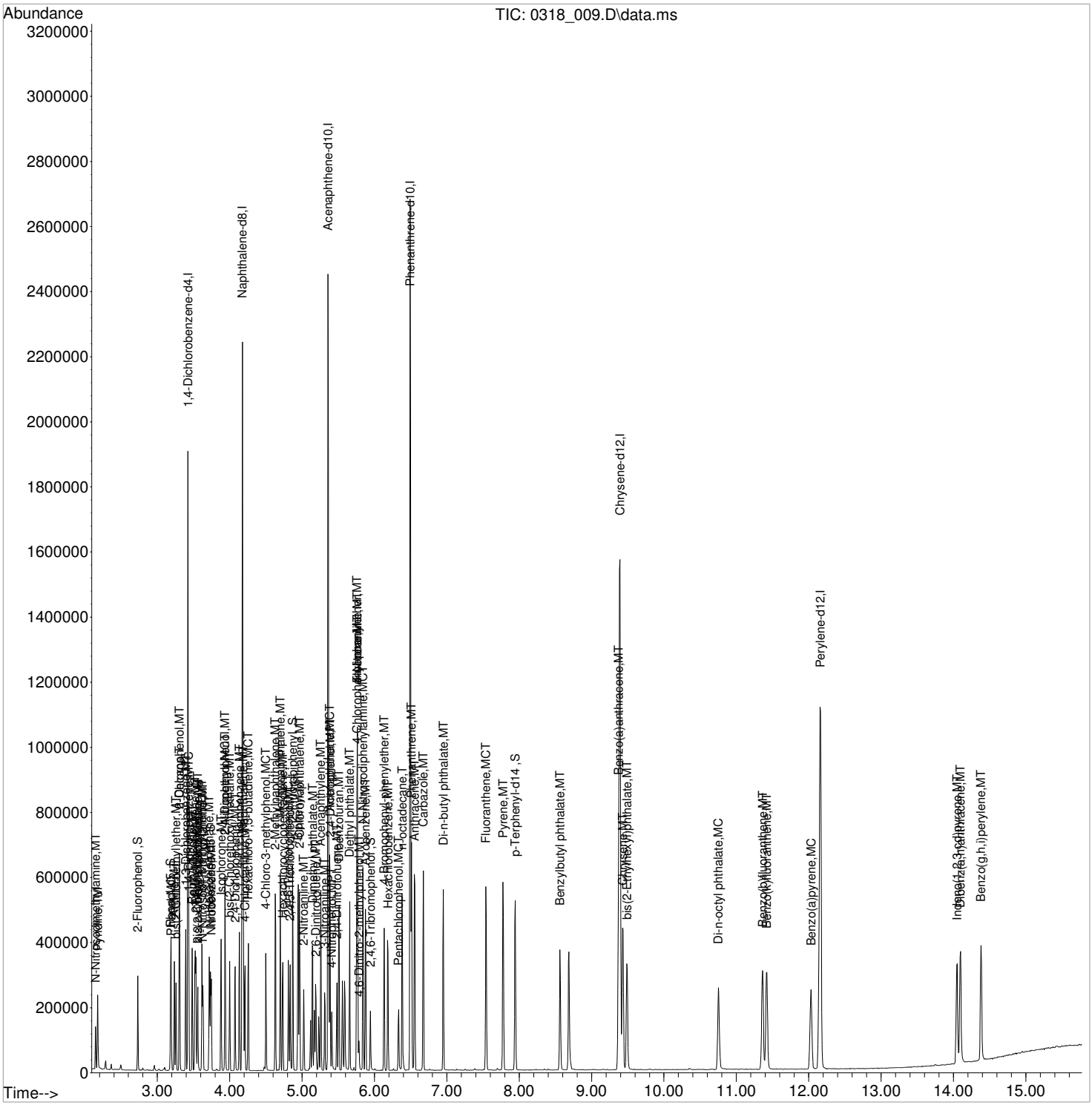
Quant Time: Mar 22 16:45:58 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:45:54 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40)	4-Chloro-3-methylphenol	4.499	107	48269	2000.6174108	ppb		96
41)	2-Methylnaphthalene	4.628	142	122992	1942.7961545	ppb		98
42)	1-Methylnaphthalene	4.699	142	117340	1979.1269199	ppb		99
47)	Hexachlorocyclopentadiene	4.734	237	40319	1994.8036411	ppb		99
48)	2,4,6-Trichlorophenol	4.811	196	34206	1988.3368372	ppb		97
49)	2,4,5-Trichlorophenol	4.834	196	37452	2018.3592659	ppb		98
51)	Biphenyl	4.946	154	154588	1957.1838027	ppb		99
52)	2-Chloronaphthalene	4.964	162	118152	1970.6822376	ppb		98
53)	2-Nitroaniline	5.022	138	33676	2019.4275027	ppb		99
54)	Acenaphthylene	5.258	152	186560	1988.2726397	ppb		100
55)	Dimethyl phthalate	5.146	163	139250	1976.3423440	ppb		93
56)	2,6-Dinitrotoluene	5.193	165	28547	2115.8804446	ppb		92
57)	3-Nitroaniline	5.311	138	31806	2088.6753999	ppb		88
58)	Acenaphthene	5.381	153	125639	1977.7915628	ppb		97
59)	2,4-Dinitrophenol	5.387	184	7646	1536.6948642	ppb	#	1
60)	Dibenzofuran	5.511	168	176736	2026.5247332	ppb		99
61)	2,4-Dinitrotoluene	5.481	165	34434	2126.5356632	ppb		94
63)	4-Nitrophenol	5.411	139	23401	2154.6768262	ppb		96
64)	Fluorene	5.764	166	143702	1977.2169058	ppb		99
65)	4-Chlorophenyl-phenyle...	5.758	204	68661	1948.3347337	ppb		98
66)	Diethyl phthalate	5.658	149	137222	1994.4950912	ppb		99
67)	4-Nitroaniline	5.764	138	33555	2104.5179621	ppb		94
68)	Azobenzene	5.875	77	137439	1991.3768531	ppb		99
71)	4,6-Dinitro-2-methylph...	5.787	198	11970	2086.9731961	ppb		97
72)	N-Nitrosodiphenylamine	5.840	169	123228	2039.0348300	ppb		98
74)	4-Bromophenyl-phenylether	6.134	248	40321	2019.9319823	ppb		93
75)	Hexachlorobenzene	6.187	284	44367	1976.8943401	ppb		99
76)	n-octadecane	6.381	55	17259	1951.1170064	ppb		98
77)	Pentachlorophenol	6.334	266	18356	2047.8682499	ppb		95
78)	Phenanthrene	6.511	178	215132	1903.8313759	ppb		98
79)	Anthracene	6.558	178	214123	1989.7950778	ppb		99
80)	Carbazole	6.675	167	198881	2033.7623777	ppb		99
81)	Di-n-butyl phthalate	6.952	149	233623	2043.9193928	ppb		98
83)	Fluoranthene	7.540	202	222873	1940.2491561	ppb		99
86)	Pyrene	7.775	202	229765	1901.0681830	ppb		100
88)	Benzylbutyl phthalate	8.563	149	93587	2017.5911920	ppb		96
90)	Benzo(a)anthracene	9.375	228	216457	1722.3627912	ppb		99
91)	Chrysene	9.434	228	208421	1909.5706804	ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.487	149	134340	2039.2414912	ppb		99
93)	Di-n-octyl phthalate	10.752	149	212256	2110.8351278	ppb		100
95)	Benzo(b)fluoranthene	11.363	252	204791	2075.7183467	ppb		99
96)	Benzo(k)fluoranthene	11.422	252	204740	2052.3590786	ppb		98
97)	Benzo(a)pyrene	12.034	252	174097	2040.0997683	ppb		98
98)	Indeno(1,2,3-cd)pyrene	14.051	276	169012	2046.1697074	ppb		98
99)	Dibenz(a,h)anthracene	14.098	278	183555	2103.5524322	ppb		99
100)	Benzo(g,h,i)perylene	14.381	276	182487	2028.5418669	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

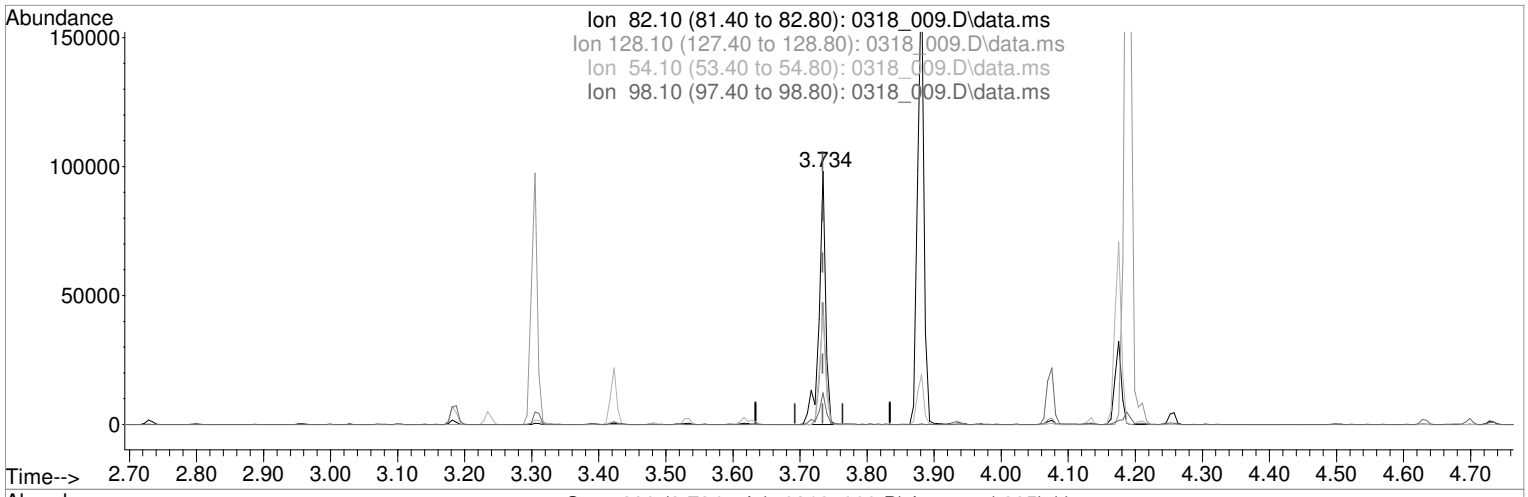
Data Path : C:\GCMS\1\data\031822\
Data File : 0318_009.D
Acq On : 18 Mar 2022 05:48 pm
Operator : 917
Sample : STD SVMS 2K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 6 Sample Multiplier: 1

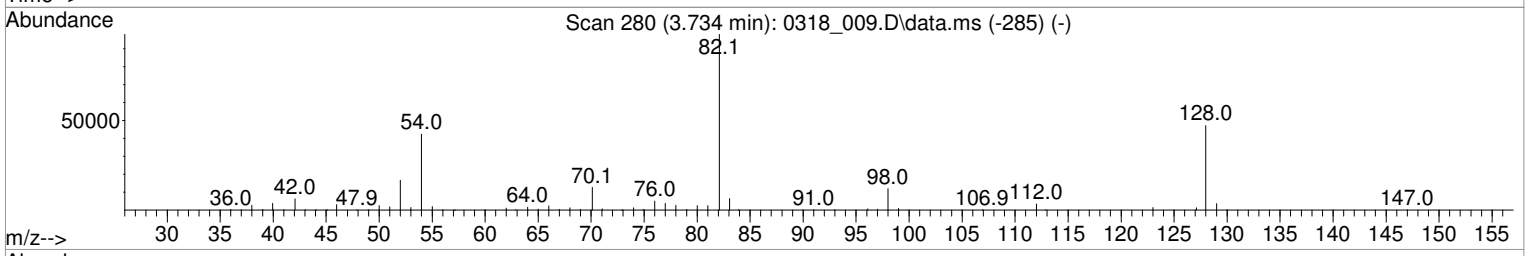
Quant Time: Mar 22 16:45:58 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:45:54 2022
Response via : Initial Calibration

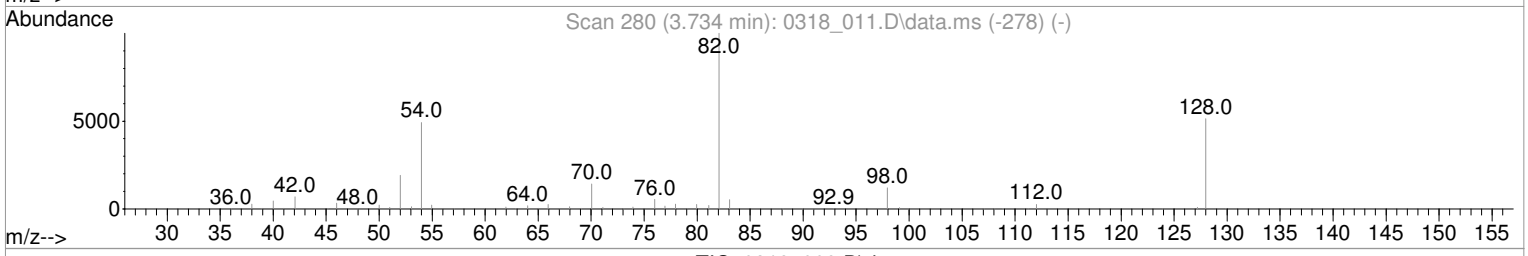


Data Path : C:\GCMS\1\data\031822\
Data File : 0318_009.D
Acq On : 18 Mar 2022 05:48 pm
Operator : 917
Sample : STD SVMS 2K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 22 16:45:58 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:45:54 2022
Response via : Initial Calibration







TIC: 0318_009.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (+ 0.000) 2282.9185652 ppb

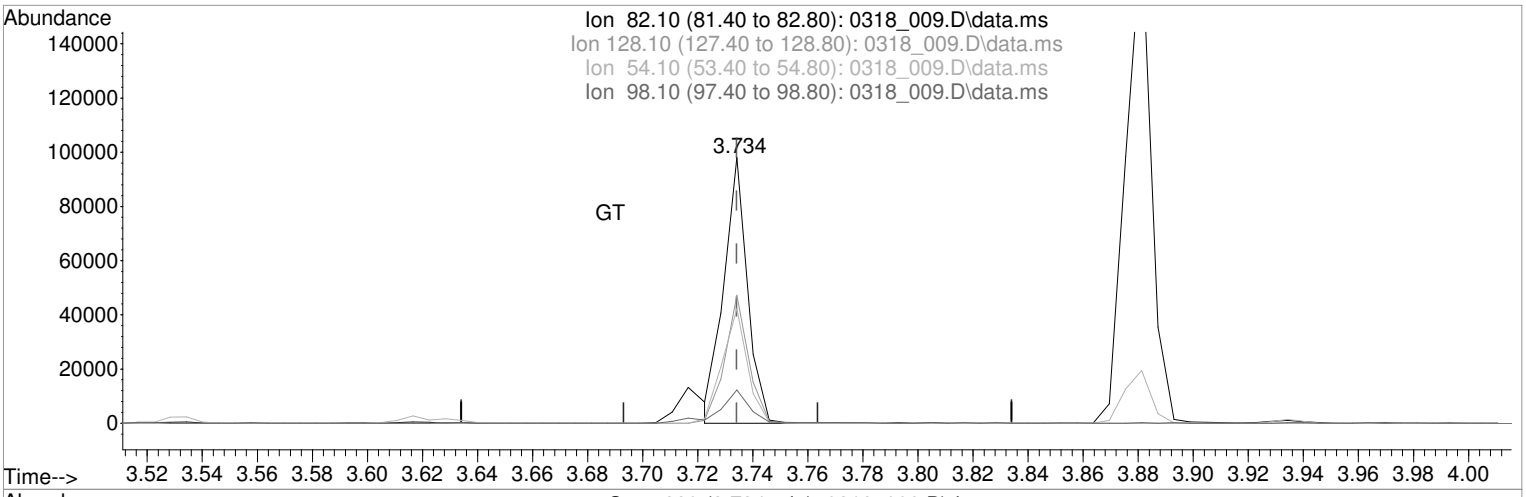
Qvalue = 98

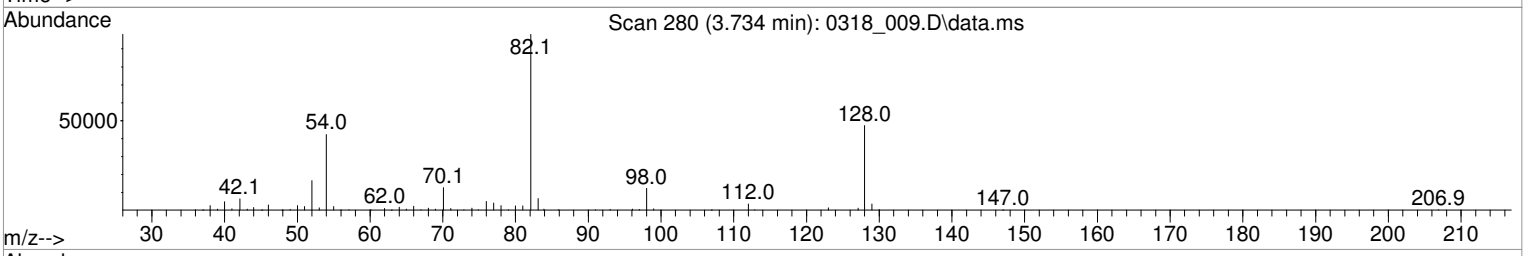
response 67398

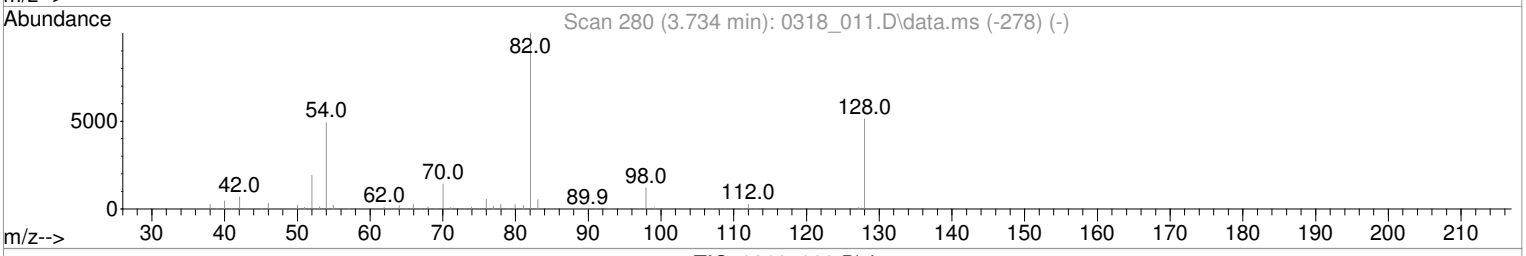
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	48.12
54.10	45.60	43.13
98.10	12.30	12.51

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_009.D
Acq On : 18 Mar 2022 05:48 pm
Operator : 917
Sample : STD SVMS 2K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 22 16:45:58 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:45:54 2022
Response via : Initial Calibration







TIC: 0318_009.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (+ 0.000) 1979.7962435 ppb m

response 58449

Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	48.12
54.10	45.60	43.13
98.10	12.30	12.51

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_010.D
Acq On : 18 Mar 2022 06:09 pm
Operator : 917
Sample : STD SVMS 5K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 22 16:48:15 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:48:11 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.422	152	192306	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.175	136	736859	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.363	164	435838	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.499	188	811042	8000.0000000	ppb	0.00
84) Chrysene-d12	9.392	240	733887	8000.0000000	ppb	0.00
94) Perylene-d12	12.163	264	718404	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.728	112	144061	5123.7999799	ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 128.09%#			
7) Phenol-d5	3.187	99	179320	5042.8049120	ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 126.07%#			
24) Nitrobenzene-d5	3.734	82	149785m	5054.9438998	ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 252.75%#			
50) 2-Fluorobiphenyl	4.869	172	357460	4971.1099543	ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 248.56%#			
73) 2,4,6-Tribromophenol	5.946	330	47105	5693.7169152	ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 142.34%			
87) p-Terphenyl-d14	7.946	244	474422	5081.8577987	ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 254.09%#			
Target Compounds						Qvalue
2) Pyridine	2.175	79	146133	4951.1881638	ppb	100
3) N-Nitrosodimethylamine	2.146	42	64420	4915.4028446	ppb	98
5) Aniline	3.234	66	72272	4959.8390285	ppb	94
6) bis(2-Chloroethyl)ether	3.258	93	148979m	5134.1482177	ppb	
8) Phenol	3.193	94	181475	5079.4535550	ppb	98
10) 2-Chlorophenol	3.305	128	155324	5043.9325225	ppb	99
11) n-Decane	3.310	41	68034	4870.6622750	ppb	100
12) 1,3-Dichlorobenzene	3.393	146	175553	5012.6643973	ppb	100
13) 1,4-Dichlorobenzene	3.434	146	182223	5041.5565890	ppb	99
14) Benzyl Alcohol	3.481	79	121303	5067.3404470	ppb	99
15) 1,2-Dichlorobenzene	3.522	146	170173	5043.3274892	ppb	99
16) bis(2-Chloroisopropyl)...	3.558	121	54798	5039.4818288	ppb	99
17) 2,2-oxybis(1-chloropro...	3.558	121	54798	5039.4818288	ppb	99
18) 2-Methylphenol	3.534	108	138812	5115.4575467	ppb	99
19) Hexachloroethane	3.716	117	70086	5031.5641826	ppb	99
20) N-Nitrosodi-n-propylamine	3.634	70	103691	5014.6181194	ppb	97
21) 3&4-Methyl phenol	3.616	107	157759	5053.7056596	ppb	97
25) Nitrobenzene	3.746	77	149407	5086.7397974	ppb	99
26) Isophorone	3.881	82	288644	5048.7534533	ppb	98
27) 2-Nitrophenol	3.934	139	72740	5310.1884385	ppb	93
28) 2,4-Dimethylphenol	3.940	107	153207	5023.1175095	ppb	99
29) bis(2-Chlorethoxy)methane	3.999	93	177370	4980.0619423	ppb	99
30) 2,4-Dichlorophenol	4.075	162	127676	5064.4037245	ppb	98
32) 1,2,4-Trichlorobenzene	4.134	180	146392	4978.5534582	ppb	99
34) Naphthalene	4.187	128	461494	4764.1566035	ppb	100
35) 4-Chloroaniline	4.210	65	49195	5029.4904131	ppb	98
36) Hexachloro-1,3-butadiene	4.257	225	83176	4801.0138629	ppb	99

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_010.D
Acq On : 18 Mar 2022 06:09 pm
Operator : 917
Sample : STD SVMS 5K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 7 Sample Multiplier: 1

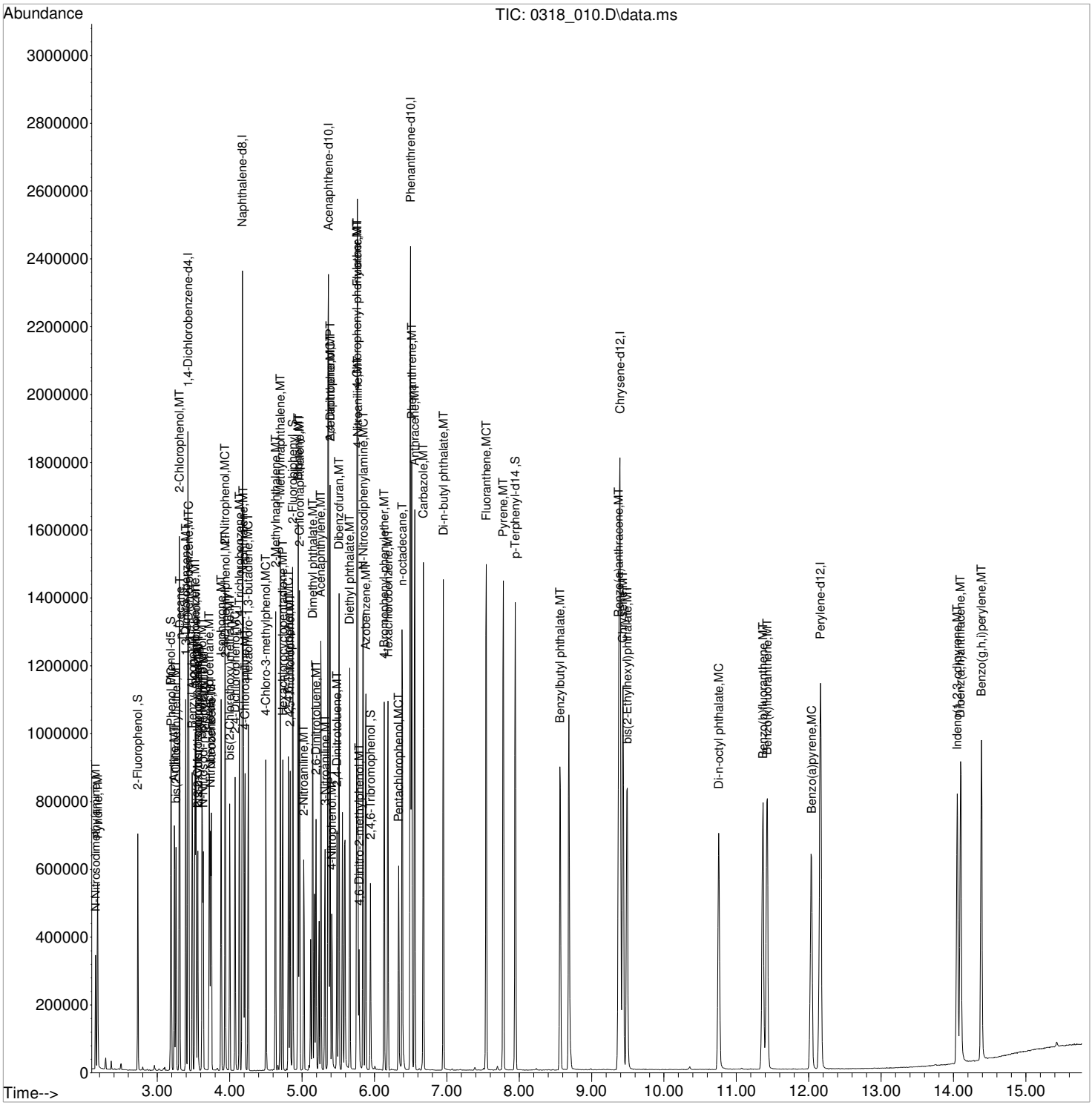
Quant Time: Mar 22 16:48:15 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:48:11 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40) 4-Chloro-3-methylphenol	4.499	107	126425	5207.1682413 ppb		99
41) 2-Methylnaphthalene	4.634	142	313366	4947.6632263 ppb		98
42) 1-Methylnaphthalene	4.699	142	293727	4933.8427822 ppb		100
47) Hexachlorocyclopentadiene	4.734	237	106100	5201.1096554 ppb		99
48) 2,4,6-Trichlorophenol	4.810	196	91468	5272.2805122 ppb		97
49) 2,4,5-Trichlorophenol	4.834	196	99500	5297.3547243 ppb		98
51) Biphenyl	4.946	154	395779	4988.2386042 ppb		100
52) 2-Chloronaphthalene	4.963	162	299170	4955.3773468 ppb		98
53) 2-Nitroaniline	5.022	138	92282	5466.1233280 ppb		99
54) Acenaphthylene	5.257	152	472740	4994.5619749 ppb		99
55) Dimethyl phthalate	5.146	163	352945	4974.7154876 ppb		97
56) 2,6-Dinitrotoluene	5.193	165	77349	5595.6138946 ppb		96
57) 3-Nitroaniline	5.316	138	86561	5566.7892812 ppb		90
58) Acenaphthene	5.387	153	312606	4883.4525432 ppb		99
59) 2,4-Dinitrophenol	5.387	184	26318	5675.6411689 ppb	#	1
60) Dibenzofuran	5.510	168	440736	4987.4194224 ppb		100
61) 2,4-Dinitrotoluene	5.481	165	97113	5845.9506914 ppb		90
63) 4-Nitrophenol	5.410	139	63763	5703.0573586 ppb		99
64) Fluorene	5.763	166	372898	5091.9037223 ppb		99
65) 4-Chlorophenyl-phenyle...	5.757	204	176040	4978.3644598 ppb		98
66) Diethyl phthalate	5.657	149	341510	4918.3523636 ppb		99
67) 4-Nitroaniline	5.769	138	96474	5913.9346038 ppb		99
68) Azobenzene	5.881	77	348516	5005.4439819 ppb		99
71) 4,6-Dinitro-2-methylph...	5.787	198	38466	6718.2454076 ppb		90
72) N-Nitrosodiphenylamine	5.846	169	313938	5234.7668168 ppb		99
74) 4-Bromophenyl-phenylether	6.134	248	100742	5097.8547129 ppb		99
75) Hexachlorobenzene	6.187	284	111310	5036.9293236 ppb		97
76) n-octadecane	6.381	55	44859	5166.9141856 ppb		98
77) Pentachlorophenol	6.334	266	52230	5865.5028618 ppb		96
78) Phenanthrene	6.516	178	531864	4812.5245251 ppb		99
79) Anthracene	6.557	178	537192	5060.2284269 ppb		99
80) Carbazole	6.675	167	502300	5179.5643102 ppb		99
81) Di-n-butyl phthalate	6.951	149	593114	5225.8958801 ppb		99
83) Fluoranthene	7.546	202	574889	5098.4586960 ppb		99
86) Pyrene	7.781	202	582851	4822.8054330 ppb		99
88) Benzylbutyl phthalate	8.563	149	252925	5387.2348898 ppb		97
90) Benzo(a)anthracene	9.375	228	544990	4416.5193477 ppb		100
91) Chrysene	9.434	228	530056	4852.5677186 ppb		99
92) bis(2-Ethylhexyl)phtha...	9.492	149	357474	5346.7898398 ppb		99
93) Di-n-octyl phthalate	10.757	149	584947	5681.2734845 ppb		100
95) Benzo(b)fluoranthene	11.369	252	515358	5187.7907304 ppb		99
96) Benzo(k)fluoranthene	11.428	252	527895	5267.7128286 ppb		98
97) Benzo(a)pyrene	12.039	252	455445	5319.2440637 ppb		99
98) Indeno(1,2,3-cd)pyrene	14.051	276	445510	5372.4569560 ppb		99
99) Dibenz(a,h)anthracene	14.098	278	473410	5373.3154661 ppb		98
100) Benzo(g,h,i)perylene	14.386	276	476281	5282.8635931 ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

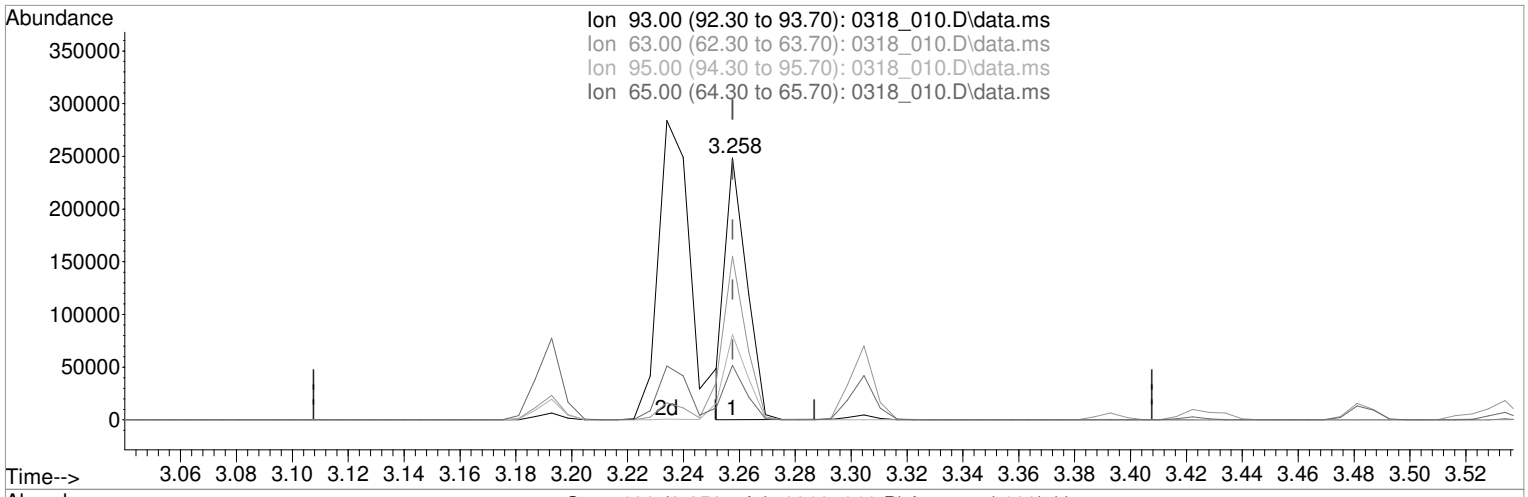
Data Path : C:\GCMS\1\data\031822\
Data File : 0318_010.D
Acq On : 18 Mar 2022 06:09 pm
Operator : 917
Sample : STD SVMS 5K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 7 Sample Multiplier: 1

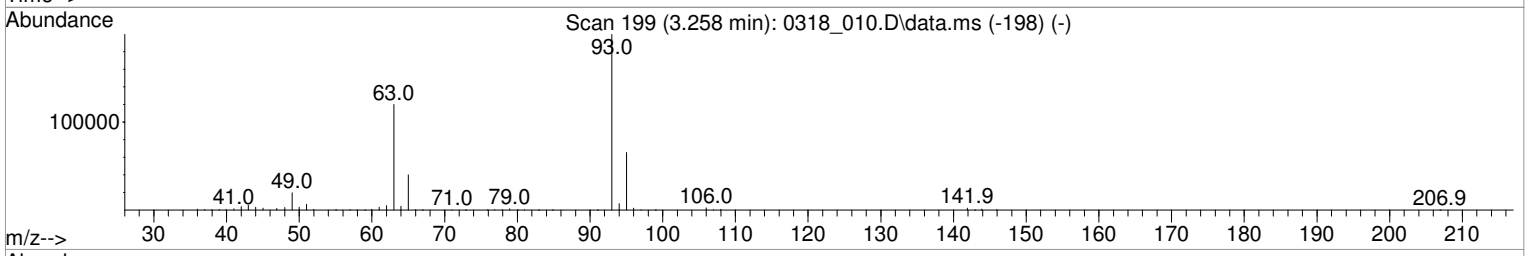
Quant Time: Mar 22 16:48:15 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:48:11 2022
Response via : Initial Calibration

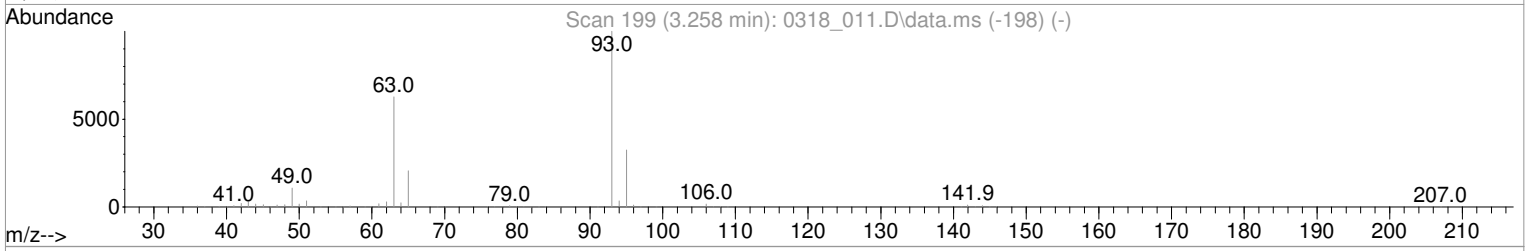


Data Path : C:\GCMS\1\data\031822\
Data File : 0318_010.D
Acq On : 18 Mar 2022 06:09 pm
Operator : 917
Sample : STD SVMS 5K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 22 16:48:15 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:48:11 2022
Response via : Initial Calibration







TIC: 0318_010.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.258min (-0.000) 4523.7187788 ppb

Qvalue = 99

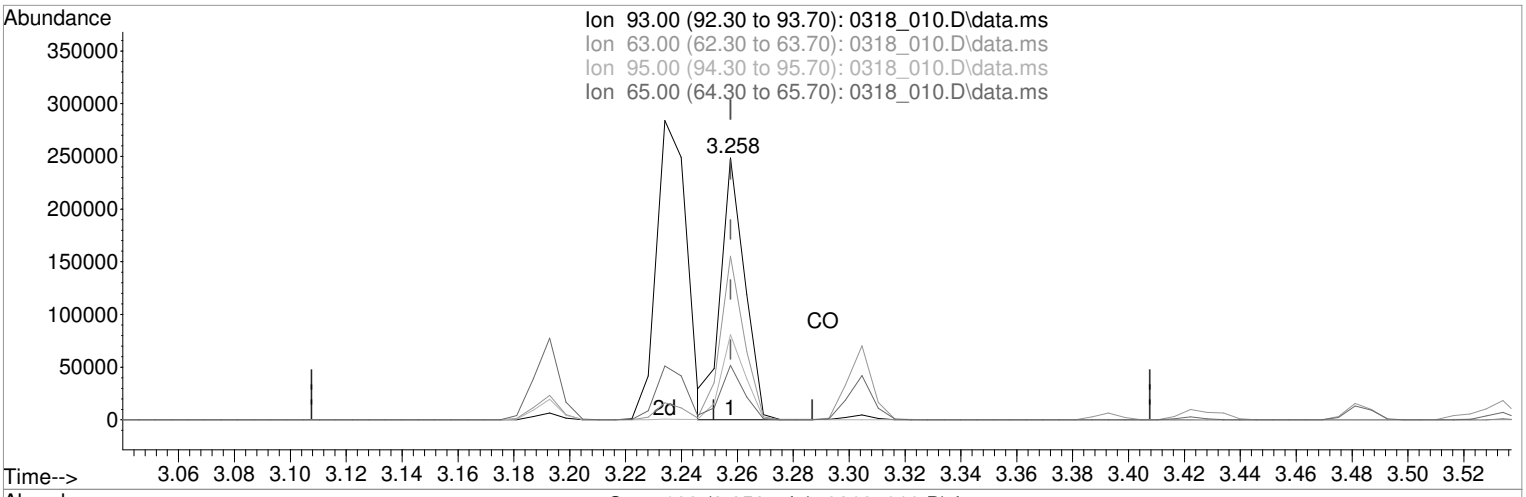
response 131266

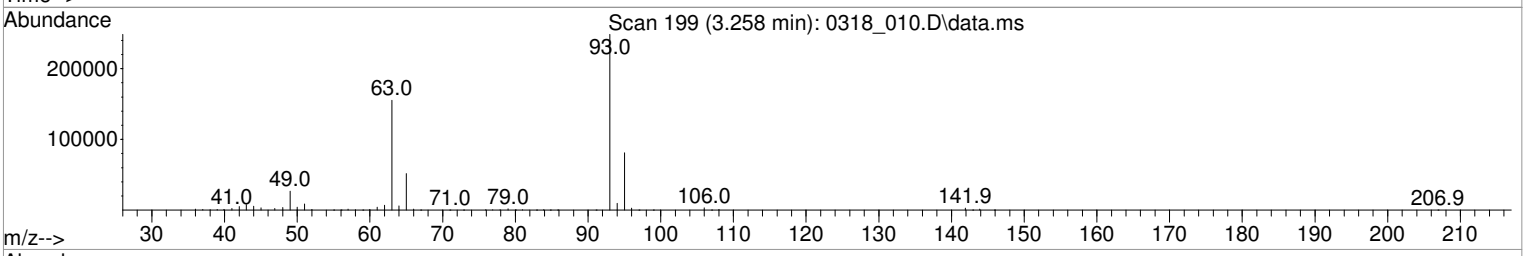
Ion	Exp%	Act%
93.00	100.00	100.00
63.00	63.50	62.60
95.00	32.10	32.58
65.00	21.10	20.83

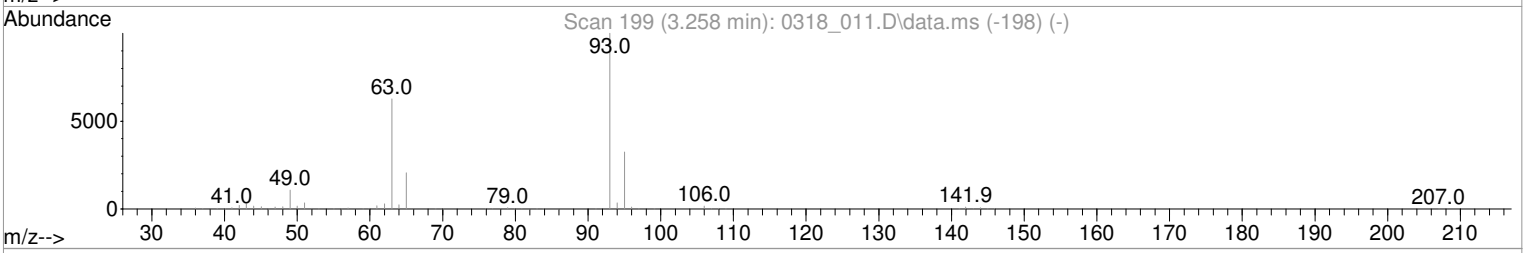
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_010.D
Acq On : 18 Mar 2022 06:09 pm
Operator : 917
Sample : STD SVMS 5K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 22 16:48:15 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:48:11 2022
Response via : Initial Calibration







TIC: 0318_010.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.258min (-0.000) 5134.1482177 ppb m

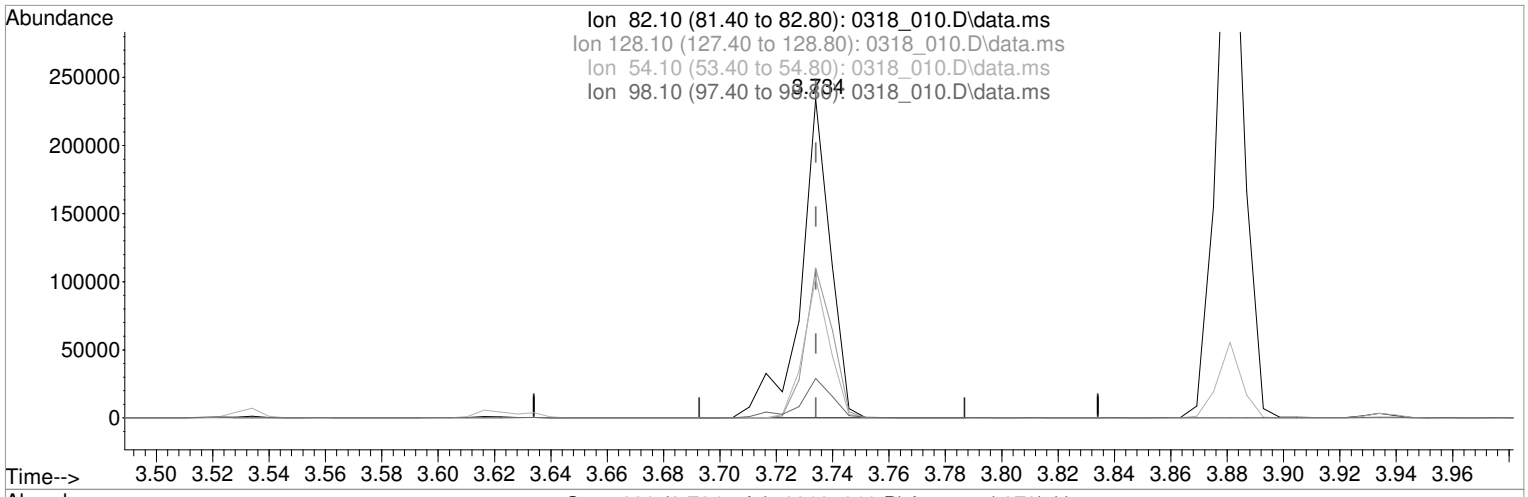
response 148979

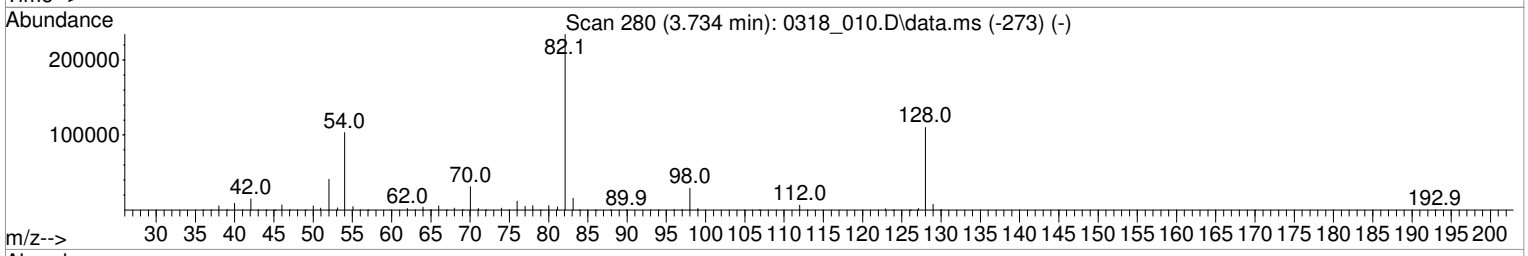
Ion	Exp%	Act%
93.00	100.00	100.00
63.00	63.50	62.51
95.00	32.10	32.60
65.00	21.10	20.80

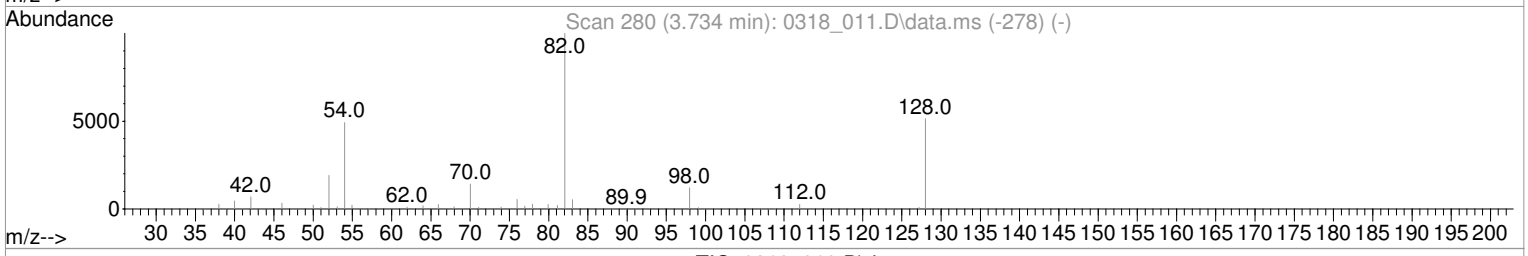
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_010.D
Acq On : 18 Mar 2022 06:09 pm
Operator : 917
Sample : STD SVMS 5K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 22 16:48:15 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:48:11 2022
Response via : Initial Calibration







TIC: 0318_010.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (-0.000) 5780.7958436 ppb

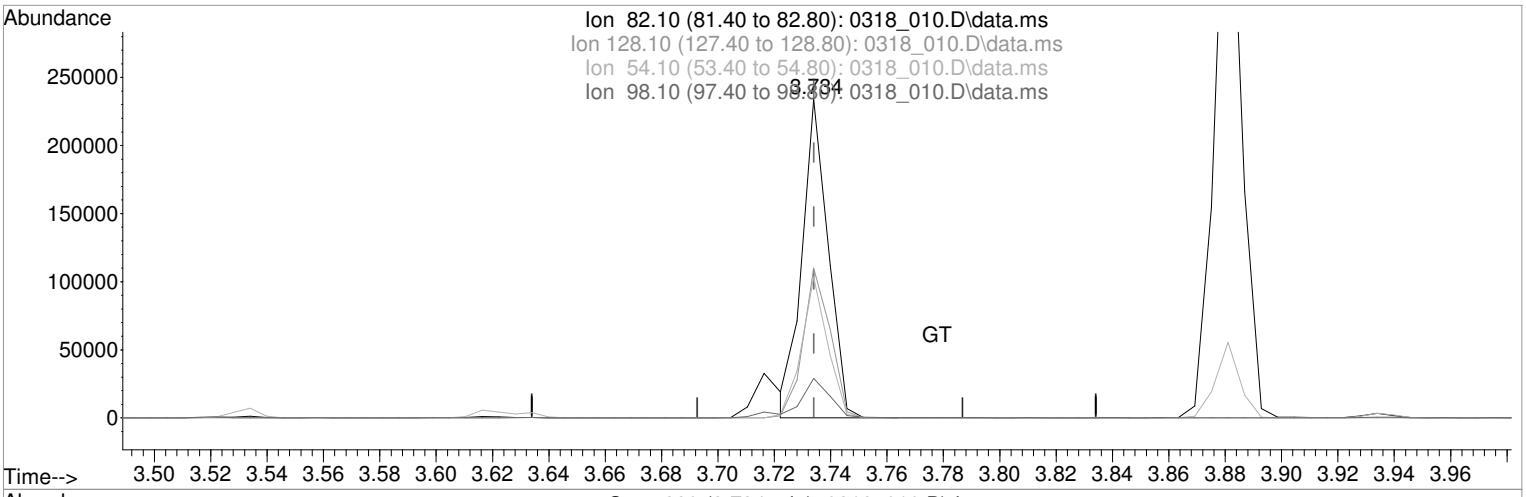
Qvalue = 99

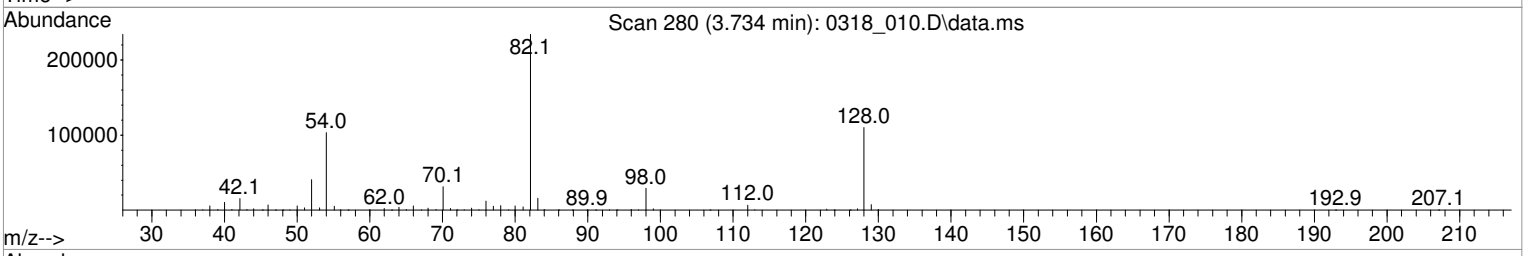
response 171293

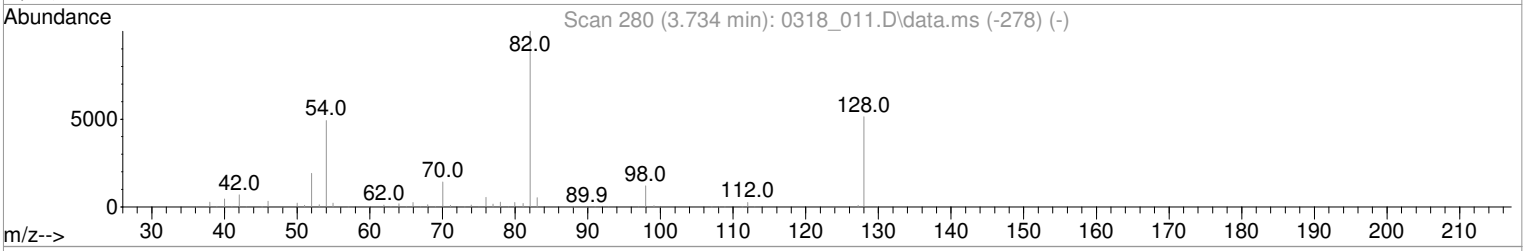
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	47.00
54.10	45.60	44.16
98.10	12.30	12.40

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_010.D
Acq On : 18 Mar 2022 06:09 pm
Operator : 917
Sample : STD SVMS 5K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 22 16:48:15 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:48:11 2022
Response via : Initial Calibration







TIC: 0318_010.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (-0.000) 5054.9438998 ppb m

response 149785

Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	47.00
54.10	45.60	44.16
98.10	12.30	12.40

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_011.D
Acq On : 18 Mar 2022 06:31 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 22 16:31:45 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:31:34 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.422	152	186869	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.175	136	708298	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.363	164	418379	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.493	188	787130	8000.0000000 ppb	0.00
84) Chrysene-d12	9.393	240	709519	8000.0000000 ppb	0.00
94) Perylene-d12	12.163	264	696782	8000.0000000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.728	112	275986	10000.1811719 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 250.00%#		
7) Phenol-d5	3.187	99	350708	10000.0000000 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 250.00%#		
24) Nitrobenzene-d5	3.734	82	295352m	9970.7984349 ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 498.54%#		
50) 2-Fluorobiphenyl	4.869	172	693025	10000.0000000 ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 500.00%#		
73) 2,4,6-Tribromophenol	5.946	330	95671	10042.9342235 ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 251.07%#		
87) p-Terphenyl-d14	7.946	244	936504	10011.3348381 ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 500.57%#		
Target Compounds					Qvalue
2) Pyridine	2.175	79	279652	10000.0000000 ppb	100
3) N-Nitrosodimethylamine	2.146	42	123979	10000.0000000 ppb	100
5) Aniline	3.240	66	143615	10000.0000000 ppb	100
6) bis(2-Chloroethyl)ether	3.258	93	264715	10000.0000000 ppb	100
8) Phenol	3.193	94	352936	10000.0000000 ppb	100
10) 2-Chlorophenol	3.305	128	310901	10016.5599719 ppb	100
11) n-Decane	3.311	41	130473	10000.0000000 ppb	100
12) 1,3-Dichlorobenzene	3.393	146	335153	10000.0000000 ppb	100
13) 1,4-Dichlorobenzene	3.434	146	349694	10000.0000000 ppb	100
14) Benzyl Alcohol	3.481	79	234989	10000.0000000 ppb	100
15) 1,2-Dichlorobenzene	3.522	146	325174	10000.0000000 ppb	100
16) bis(2-Chloroisopropyl)...	3.558	121	104705	10000.0000000 ppb	100
17) 2,2-oxybis(1-chloropro...	3.558	121	104705	10000.0000000 ppb	100
18) 2-Methylphenol	3.534	108	270094	10040.1092876 ppb	100
19) Hexachloroethane	3.716	117	134181	10000.0000000 ppb	100
20) N-Nitrosodi-n-propylamine	3.634	70	202268	10000.0000000 ppb	100
21) 3&4-Methyl phenol	3.622	107	308133	10012.1523660 ppb	100
25) Nitrobenzene	3.746	77	291361	10008.7596958 ppb	100
26) Isophorone	3.881	82	559946	10000.0000000 ppb	100
27) 2-Nitrophenol	3.934	139	151095	10009.3405938 ppb	100
28) 2,4-Dimethylphenol	3.940	107	304959	10000.0000000 ppb	100
29) bis(2-Chlorethoxy)methane	3.999	93	340237	10000.0000000 ppb	100
30) 2,4-Dichlorophenol	4.075	162	253387	9984.4354604 ppb	100
32) 1,2,4-Trichlorobenzene	4.134	180	285591	10000.0000000 ppb	100
34) Naphthalene	4.187	128	890534	10000.0000000 ppb	100
35) 4-Chloroaniline	4.211	65	94965	10000.0000000 ppb	100
36) Hexachloro-1,3-butadiene	4.258	225	163999	10000.0000000 ppb	100

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_011.D
Acq On : 18 Mar 2022 06:31 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 22 16:31:45 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:31:34 2022
Response via : Initial Calibration

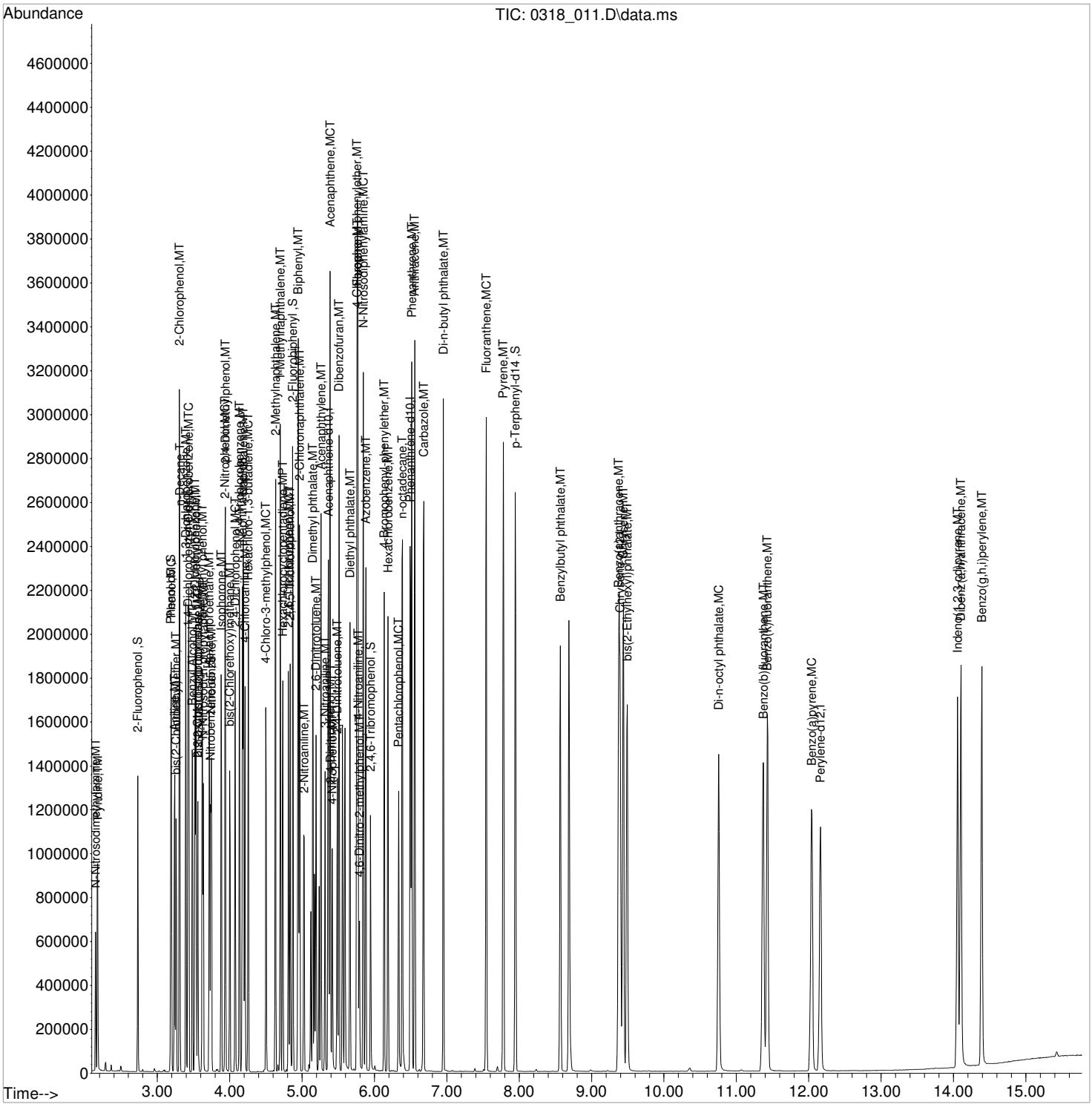
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
40)	4-Chloro-3-methylphenol	4.499	107	248947	10033.7350369 ppb	100
41)	2-Methylnaphthalene	4.634	142	611074	10008.1562328 ppb	99
42)	1-Methylnaphthalene	4.699	142	571427	10000.9450919 ppb	100
47)	Hexachlorocyclopentadiene	4.734	237	210155	10000.0000000 ppb	100
48)	2,4,6-Trichlorophenol	4.811	196	179410	10000.0000000 ppb	100
49)	2,4,5-Trichlorophenol	4.834	196	198763	10004.2279254 ppb	100
51)	Biphenyl	4.946	154	767000	10000.0000000 ppb	100
52)	2-Chloronaphthalene	4.963	162	579276	10000.0000000 ppb	100
53)	2-Nitroaniline	5.028	138	190322	10000.0000000 ppb	100
54)	Acenaphthylene	5.263	152	919818	10000.0000000 ppb	100
55)	Dimethyl phthalate	5.146	163	677185	10000.0000000 ppb	100
56)	2,6-Dinitrotoluene	5.193	165	152119	10000.0000000 ppb	100
57)	3-Nitroaniline	5.316	138	170527	9998.0651970 ppb	100
58)	Acenaphthene	5.387	153	611919	10000.0000000 ppb	100
59)	2,4-Dinitrophenol	5.393	184	61716	10000.0000000 ppb	100
60)	Dibenzofuran	5.511	168	844202	10000.0000000 ppb	100
61)	2,4-Dinitrotoluene	5.487	165	199529	10000.0000000 ppb	100
63)	4-Nitrophenol	5.416	139	129671	9874.8800585 ppb	100
64)	Fluorene	5.763	166	727277	10000.0000000 ppb	100
65)	4-Chlorophenyl-phenyle...	5.758	204	345628	10000.0000000 ppb	100
66)	Diethyl phthalate	5.663	149	672086	10002.7384946 ppb	100
67)	4-Nitroaniline	5.775	138	189908	10053.5212311 ppb	100
68)	Azobenzene	5.881	77	668785	10000.0000000 ppb	100
71)	4,6-Dinitro-2-methylph...	5.793	198	86588	10056.4446819 ppb	91
72)	N-Nitrosodiphenylamine	5.846	169	609409	10002.4127551 ppb	100
74)	4-Bromophenyl-phenylether	6.134	248	197360	10000.0000000 ppb	100
75)	Hexachlorobenzene	6.187	284	217974	10000.0000000 ppb	100
76)	n-octadecane	6.381	55	88703	10000.0000000 ppb	100
77)	Pentachlorophenol	6.334	266	110856	9961.8083950 ppb	100
78)	Phenanthrene	6.516	178	1022932	10000.0000000 ppb	100
79)	Anthracene	6.558	178	1035830	10017.2913673 ppb	100
80)	Carbazole	6.681	167	961895	10010.1361090 ppb	100
81)	Di-n-butyl phthalate	6.952	149	1167849	9995.2242669 ppb	100
83)	Fluoranthene	7.546	202	1105754	10000.0000000 ppb	100
86)	Pyrene	7.781	202	1152054	9995.3467059 ppb	100
88)	Benzylbutyl phthalate	8.569	149	507266	10002.9367560 ppb	100
90)	Benzo(a)anthracene	9.375	228	1068069	10002.2268607 ppb	100
91)	Chrysene	9.440	228	1014103	10014.7984026 ppb	100
92)	bis(2-Ethylhexyl)phtha...	9.493	149	712981	10024.7797010 ppb	100
93)	Di-n-octyl phthalate	10.757	149	1178757	10023.8092801 ppb	100
95)	Benzo(b)fluoranthene	11.375	252	1005049	9999.7711607 ppb	100
96)	Benzo(k)fluoranthene	11.428	252	1034524	9986.6783022 ppb	100
97)	Benzo(a)pyrene	12.040	252	887947	10019.4646488 ppb	100
98)	Indeno(1,2,3-cd)pyrene	14.057	276	865233	10000.1502508 ppb	100
99)	Dibenz(a,h)anthracene	14.104	278	940063	10099.6033485 ppb	100
100)	Benzo(g,h,i)perylene	14.392	276	927240	10000.0000000 ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_011.D
Acq On : 18 Mar 2022 06:31 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 22 16:31:45 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:31:34 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\053122\
Data File : 0531_03.D
Acq On : 31 May 2022 11:47 am
Operator : 917
Sample : ICV SVMS 10K ppb 22E10461 exp 10/01/22
Misc : SVMS CAL ISTD 22E03623 exp 11/03/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 13:50:58 2022
Quant Method : C:\GCMS\1\methods\S833E31V.M
Quant Title : 8270 BNA
QLast Update : Tue May 31 13:50:44 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.069	152	116045	8000.0000000 ppb		0.00
23) Naphthalene-d8	3.805	136	446416	8000.0000000 ppb		0.00
46) Acenaphthene-d10	4.958	164	281205	8000.0000000 ppb		0.00
70) Phenanthrene-d10	6.063	188	569953	8000.0000000 ppb		0.00
84) Chrysene-d12	8.657	240	568866	8000.0000000 ppb		0.00
94) Perylene-d12	11.146	264	560404	8000.0000000 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.405	112	174235	10020.0825744 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 250.50%#			
7) Phenol-d5	2.864	99	228517	10326.3219027 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 258.16%#			
24) Nitrobenzene-d5	3.381	82	207909	11264.4119365 ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 563.22%#			
50) 2-Fluorobiphenyl	4.487	172	473553	10058.5760530 ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 502.93%#			
73) 2,4,6-Tribromophenol	5.534	330	84935	11480.3403551 ppb		0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 287.01%#			
87) p-Terphenyl-d14	7.405	244	740069	10021.9508373 ppb		0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 501.10%#			
Target Compounds						Qvalue
2) Pyridine	1.852	79	192319	10786.5957988 ppb		99
3) N-Nitrosodimethylamine	1.828	42	71361	9219.7383441 ppb	#	83
5) Aniline	2.893	66	91886	10270.5533336 ppb		99
6) bis(2-Chloroethyl)ether	2.917	93	184368	10510.4880841 ppb		99
8) Phenol	2.869	94	234911m	10555.4585437 ppb		
10) 2-Chlorophenol	2.958	128	189540	9665.3365062 ppb		99
11) n-Decane	2.958	41	69457	8759.1655024 ppb		96
12) 1,3-Dichlorobenzene	3.040	146	211846	9919.1680669 ppb		98
13) 1,4-Dichlorobenzene	3.081	146	214026	9732.1535345 ppb		98
14) Benzyl Alcohol	3.140	79	159522	10772.2046641 ppb		99
15) 1,2-Dichlorobenzene	3.164	146	201961	9806.1686390 ppb		98
16) bis(2-Chloroisopropyl)...	3.211	121	64194	9690.3308061 ppb		95
17) 2,2-oxybis(1-chloropro...	3.211	121	64194	9690.3308061 ppb		95
18) 2-Methylphenol	3.199	108	174695	10354.1419428 ppb		98
19) Hexachloroethane	3.352	117	82809	9711.8886410 ppb		99
20) N-Nitrosodi-n-propylamine	3.287	70	137486	10884.2226282 ppb		92
21) 3&4-Methyl phenol	3.287	107	204050	10598.1015176 ppb		99
25) Nitrobenzene	3.393	77	204257	11151.8998255 ppb		93
26) Isophorone	3.528	82	383859	10940.8752244 ppb		96
27) 2-Nitrophenol	3.575	139	106098	11160.1312164 ppb		90
28) 2,4-Dimethylphenol	3.593	107	190507	9886.7947638 ppb		92
29) bis(2-Chlorethoxy)methane	3.646	93	227966	10498.6719776 ppb		99
30) 2,4-Dichlorophenol	3.722	162	168948	10560.3488204 ppb		93
32) 1,2,4-Trichlorobenzene	3.769	180	182644	10042.4000585 ppb		98
34) Naphthalene	3.816	128	555395	9757.3579476 ppb		100
35) 4-Chloroaniline	3.846	65	63895	10578.6535739 ppb	#	56
36) Hexachloro-1,3-butadiene	3.887	225	113494	10712.5733897 ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\053122\
Data File : 0531_03.D
Acq On : 31 May 2022 11:47 am
Operator : 917
Sample : ICV SVMS 10K ppb 22E10461 exp 10/01/22
Misc : SVMS CAL ISTD 22E03623 exp 11/03/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 13:50:58 2022
Quant Method : C:\GCMS\1\methods\S833E31V.M
Quant Title : 8270 BNA
QLast Update : Tue May 31 13:50:44 2022
Response via : Initial Calibration

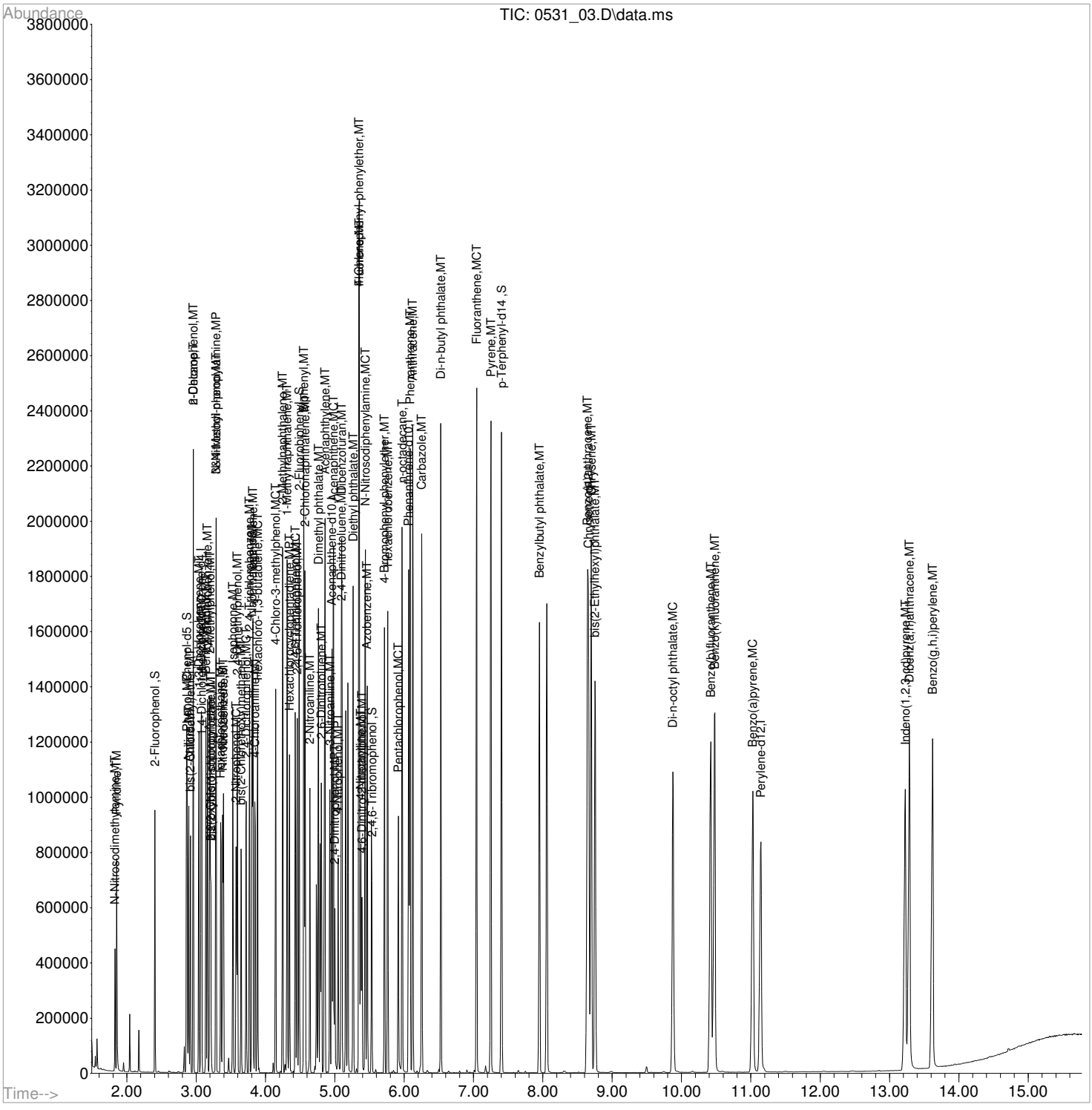
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40)	4-Chloro-3-methylphenol	4.146	107	175491	11173.3246639 ppb		95
41)	2-Methylnaphthalene	4.246	142	387591	10066.7153520 ppb		97
42)	1-Methylnaphthalene	4.311	142	371264	10233.3500191 ppb		100
47)	Hexachlorocyclopentadiene	4.346	237	127631	8888.6223940 ppb		97
48)	2,4,6-Trichlorophenol	4.428	196	134925	10879.2770820 ppb		98
49)	2,4,5-Trichlorophenol	4.458	196	149736	11265.6776337 ppb		95
51)	Biphenyl	4.552	154	505183	9756.7759360 ppb		99
52)	2-Chloronaphthalene	4.569	162	390981	9843.5300862 ppb		98
53)	2-Nitroaniline	4.640	138	137649	10655.7877400 ppb		95
54)	Acenaphthylene	4.858	152	619724	10081.5173478 ppb		99
55)	Dimethyl phthalate	4.763	163	479189	10402.8448829 ppb		97
56)	2,6-Dinitrotoluene	4.805	165	114691	11416.1591394 ppb		97
57)	3-Nitroaniline	4.928	138	122309	10957.2383317 ppb		97
58)	Acenaphthene	4.981	153	402508	9684.7890650 ppb		97
59)	2,4-Dinitrophenol	4.999	184	69582	13144.5537361 ppb	#	1
60)	Dibenzofuran	5.099	168	590526	10261.1942459 ppb		99
61)	2,4-Dinitrotoluene	5.093	165	160220	12223.6814469 ppb		96
63)	4-Nitrophenol	5.046	139	101920	11566.3952596 ppb		93
64)	Fluorene	5.352	166	494411	10184.9543946 ppb		100
65)	4-Chlorophenyl-phenyle...	5.346	204	243649	10327.7769483 ppb		95
66)	Diethyl phthalate	5.263	149	476618	10426.3300193 ppb		100
67)	4-Nitroaniline	5.375	138	126720m	10566.3181516 ppb		
68)	Azobenzene	5.463	77	479997	10658.6160259 ppb		95
71)	4,6-Dinitro-2-methylph...	5.393	198	96912	12444.4547820 ppb		94
72)	N-Nitrosodiphenylamine	5.440	169	428384	9737.2359813 ppb		98
74)	4-Bromophenyl-phenylether	5.716	248	152492	10304.9914572 ppb		89
75)	Hexachlorobenzene	5.763	284	167556	10245.3047032 ppb		99
76)	n-octadecane	5.969	55	57994	9289.6283806 ppb		97
77)	Pentachlorophenol	5.916	266	86617	9054.9393940 ppb		96
78)	Phenanthrene	6.087	178	739612	9667.5655621 ppb		100
79)	Anthracene	6.122	178	739140	9773.0916371 ppb		100
80)	Carbazole	6.252	167	707767	10077.5781703 ppb		99
81)	Di-n-butyl phthalate	6.528	149	857756	10309.4755370 ppb		100
83)	Fluoranthene	7.046	202	867469	10718.9477451 ppb		99
86)	Pyrene	7.252	202	885623	9598.0988490 ppb		100
88)	Benzylbutyl phthalate	7.952	149	384222	9701.2174973 ppb		97
90)	Benzo(a)anthracene	8.646	228	869402	10034.5206539 ppb		98
91)	Chrysene	8.699	228	838216	10021.7913514 ppb		100
92)	bis(2-Ethylhexyl)phtha...	8.752	149	545729	9639.5060532 ppb		98
93)	Di-n-octyl phthalate	9.875	149	877284	9659.0165288 ppb		100
95)	Benzo(b)fluoranthene	10.422	252	858871	10544.7249633 ppb		98
96)	Benzo(k)fluoranthene	10.481	252	850230	10397.1335483 ppb		96
97)	Benzo(a)pyrene	11.028	252	739462	10433.5452742 ppb		98
98)	Indeno(1,2,3-cd)pyrene	13.228	276	691663	9862.4318413 ppb		96
99)	Dibenz(a,h)anthracene	13.287	278	772595	10316.4704533 ppb		98
100)	Benzo(g,h,i)perylene	13.622	276	770414	10379.7977824 ppb		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\053122\
Data File : 0531_03.D
Acq On : 31 May 2022 11:47 am
Operator : 917
Sample : ICV SVMS 10K ppb 22E10461 exp 10/01/22
Misc : SVMS CAL ISTD 22E03623 exp 11/03/22
ALS Vial : 3 Sample Multiplier: 1

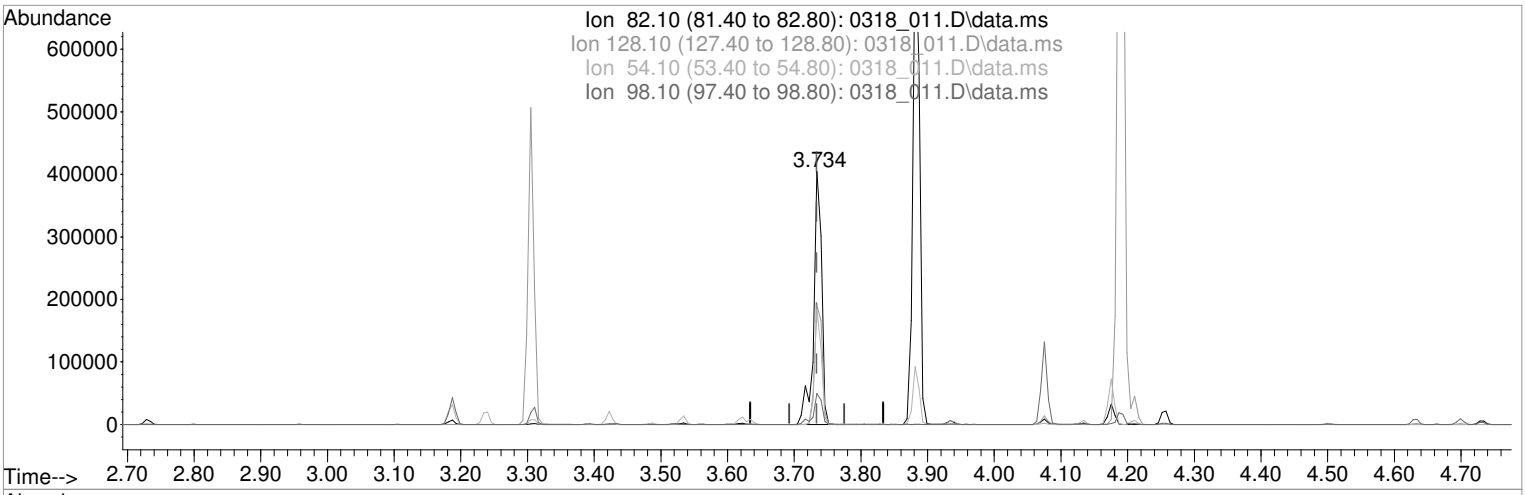
Quant Time: May 31 13:50:58 2022
Quant Method : C:\GCMS\1\methods\S833E31V.M
Quant Title : 8270 BNA
QLast Update : Tue May 31 13:50:44 2022
Response via : Initial Calibration

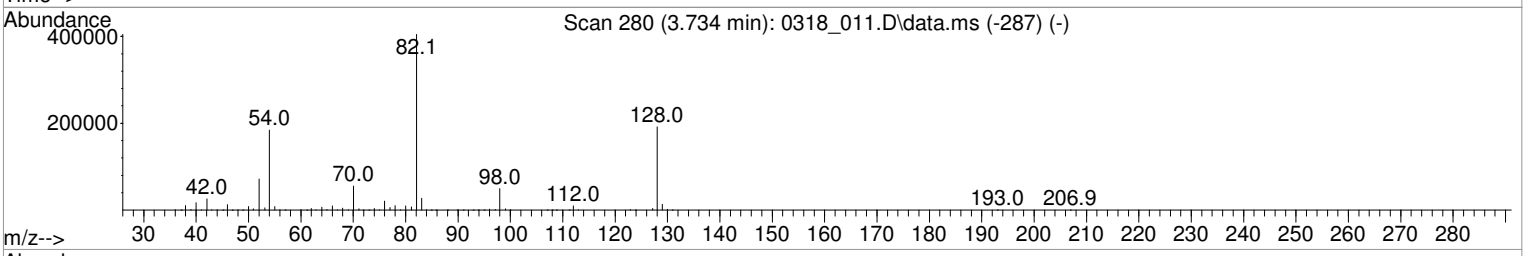


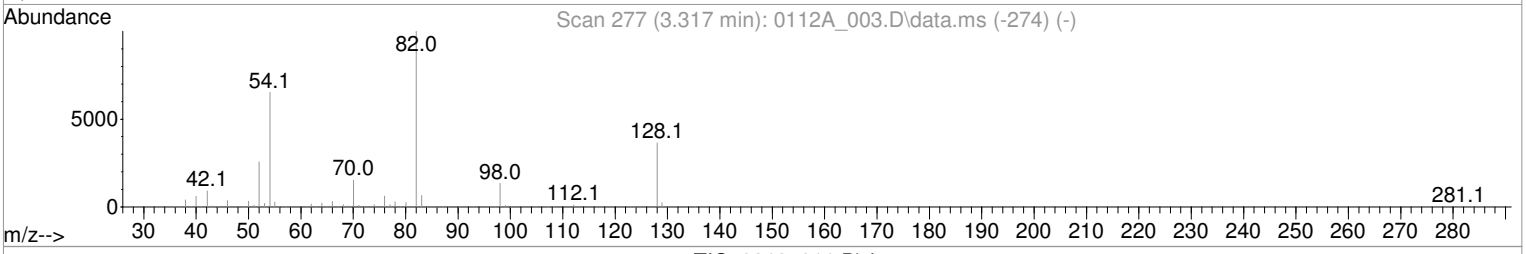
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_011.D
Acq On : 18 Mar 2022 06:31 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 22 16:31:45 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:31:34 2022
Response via : Initial Calibration







TIC: 0318_011.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (0.000) 11329.3295118 ppb

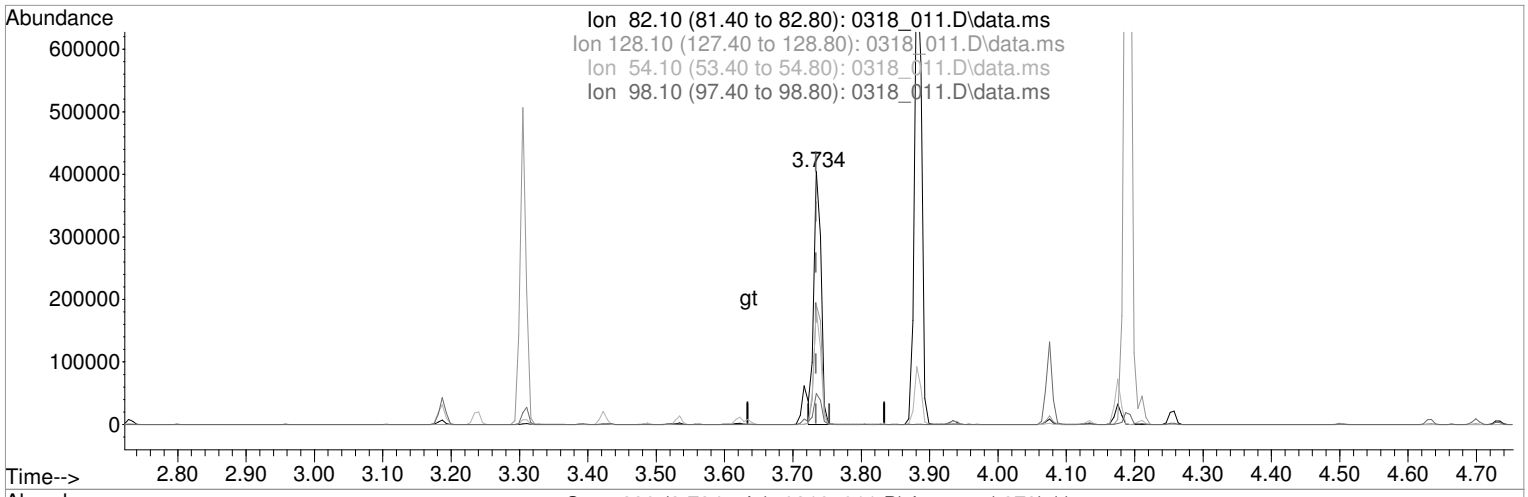
Qvalue = 100

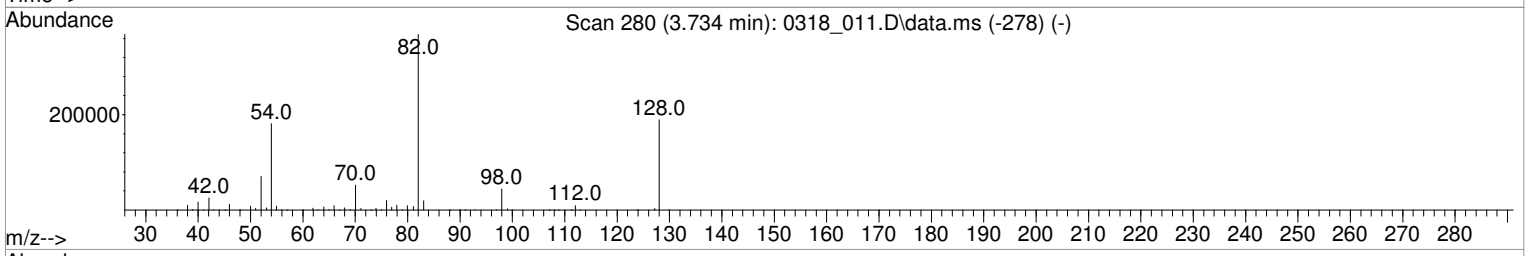
response 335594

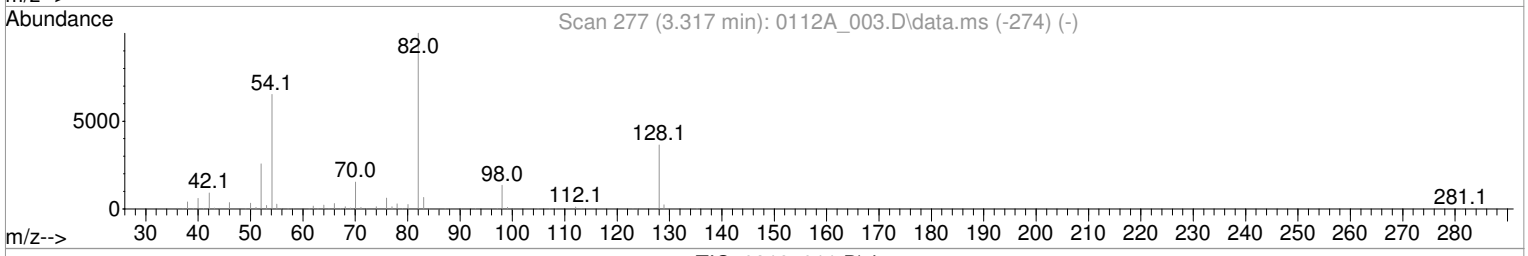
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	47.31
54.10	45.60	45.57
98.10	12.30	12.25

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_011.D
Acq On : 18 Mar 2022 06:31 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 22 16:31:45 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:31:34 2022
Response via : Initial Calibration







TIC: 0318_011.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (0.000) 9970.7984349 ppb m

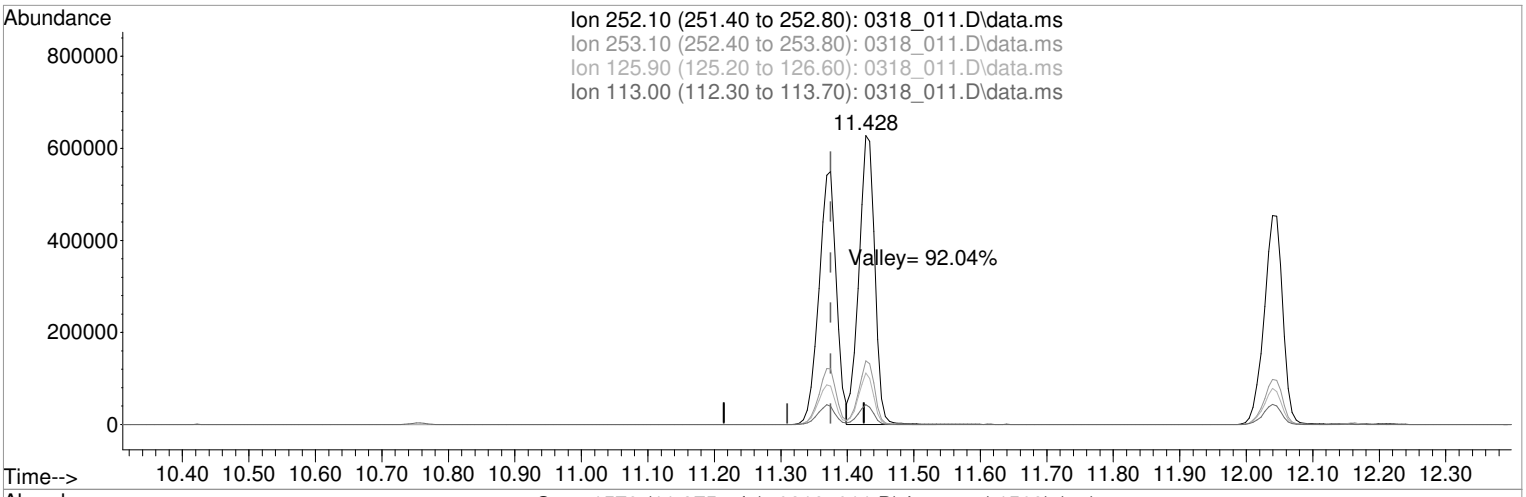
response 295352

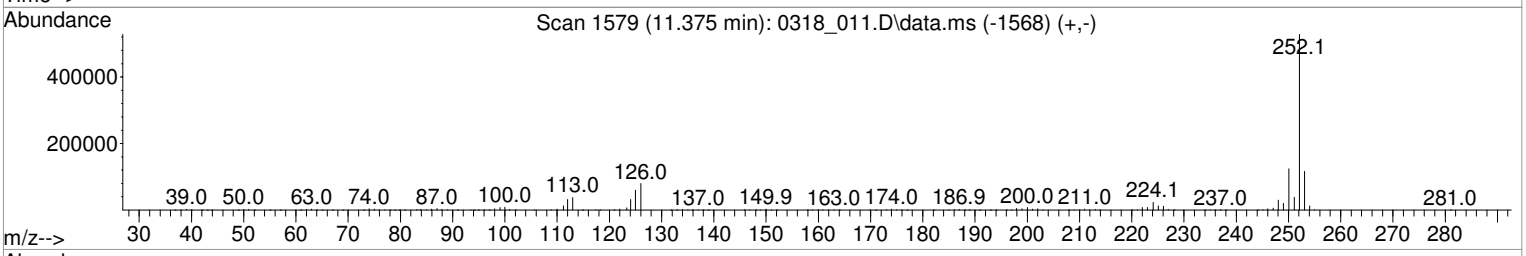
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	47.31
54.10	45.60	45.57
98.10	12.30	12.25

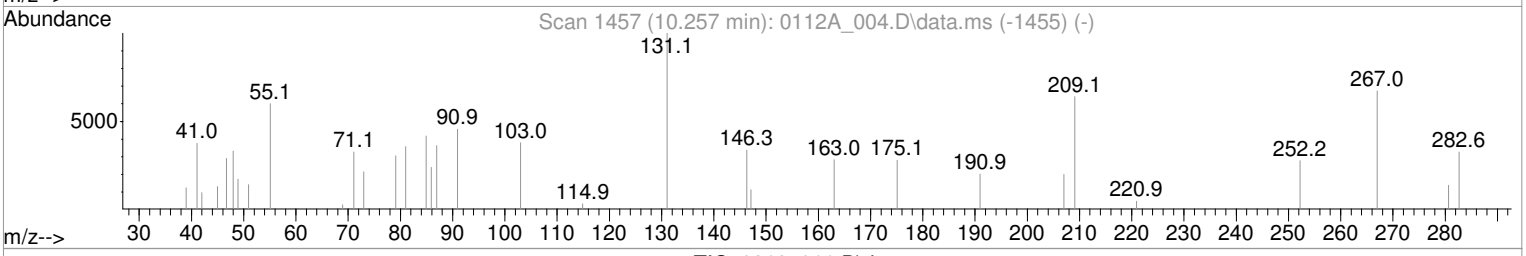
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_011.D
Acq On : 18 Mar 2022 06:31 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 22 16:31:45 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:31:34 2022
Response via : Initial Calibration







TIC: 0318_011.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.375min (0.000) 9999.7711607 ppb

Qvalue = 100

response 1005049

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.00	22.06
125.90	15.10	15.08
113.00	7.20	7.21

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_012.D
Acq On : 18 Mar 2022 06:52 pm
Operator : 917
Sample : STD SVMS 20K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 16:51:26 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:51:23 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.422	152	194345	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.175	136	735924	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.363	164	426982	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.499	188	793999	8000.0000000 ppb	0.00
84) Chrysene-d12	9.404	240	734680	8000.0000000 ppb	0.02
94) Perylene-d12	12.169	264	698270	8000.0000000 ppb	0.01
System Monitoring Compounds					
4) 2-Fluorophenol	2.734	112	578038	20243.0653208 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 506.08%#		
7) Phenol-d5	3.187	99	739735	20549.2561443 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 513.73%#		
24) Nitrobenzene-d5	3.740	82	623886m	21035.4233332 ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 1051.77%#		
50) 2-Fluorobiphenyl	4.875	172	1469854	20889.0074299 ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 1044.45%#		
73) 2,4,6-Tribromophenol	5.952	330	209284	25142.0886330 ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 628.55%#		
87) p-Terphenyl-d14	7.951	244	1975075	21064.5683934 ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 1053.23%#		
Target Compounds					Qvalue
2) Pyridine	2.175	79	591257	19861.2083300 ppb	99
3) N-Nitrosodimethylamine	2.146	42	249792	18923.8056530 ppb	98
5) Aniline	3.240	66	300133	20414.0394169 ppb	96
6) bis(2-Chloroethyl)ether	3.263	93	582828	19768.7429668 ppb	96
8) Phenol	3.199	94	745898	20593.0670245 ppb	97
10) 2-Chlorophenol	3.305	128	675951	21682.1758830 ppb	97
11) n-Decane	3.311	41	261990	18656.0135147 ppb	98
12) 1,3-Dichlorobenzene	3.393	146	707920	19991.4396903 ppb	98
13) 1,4-Dichlorobenzene	3.434	146	737680	20161.7215829 ppb	98
14) Benzyl Alcohol	3.487	79	498297	20542.2507419 ppb	99
15) 1,2-Dichlorobenzene	3.522	146	688765	20163.4584016 ppb	98
16) bis(2-Chloroisopropyl)...	3.558	121	220522	20035.8251171 ppb	96
17) 2,2-oxybis(1-chloropro...	3.558	121	220522	20035.8251171 ppb	96
18) 2-Methylphenol	3.534	108	574962	20869.6416900 ppb	99
19) Hexachloroethane	3.716	117	282482	20041.6745087 ppb	98
20) N-Nitrosodi-n-propylamine	3.640	70	427544	20447.6410655 ppb	98
21) 3&4-Methyl phenol	3.628	107	652119	20626.7190706 ppb	99
25) Nitrobenzene	3.752	77	613965	20857.3630559 ppb	94
26) Isophorone	3.887	82	1176357	20562.0346439 ppb	95
27) 2-Nitrophenol	3.940	139	340562	24588.3213183 ppb	96
28) 2,4-Dimethylphenol	3.940	107	651387	21364.0622947 ppb	98
29) bis(2-Chlorethoxy)methane	4.005	93	723123	20345.3271378 ppb	96
30) 2,4-Dichlorophenol	4.081	162	540806	21423.7065019 ppb	93
32) 1,2,4-Trichlorobenzene	4.134	180	604013	20585.2557514 ppb	99
34) Naphthalene	4.193	128	1843541	19206.6609631 ppb	99
35) 4-Chloroaniline	4.210	65	203538	20810.7604168 ppb	97
36) Hexachloro-1,3-butadiene	4.258	225	349753	20375.9739582 ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_012.D
Acq On : 18 Mar 2022 06:52 pm
Operator : 917
Sample : STD SVMS 20K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 16:51:26 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:51:23 2022
Response via : Initial Calibration

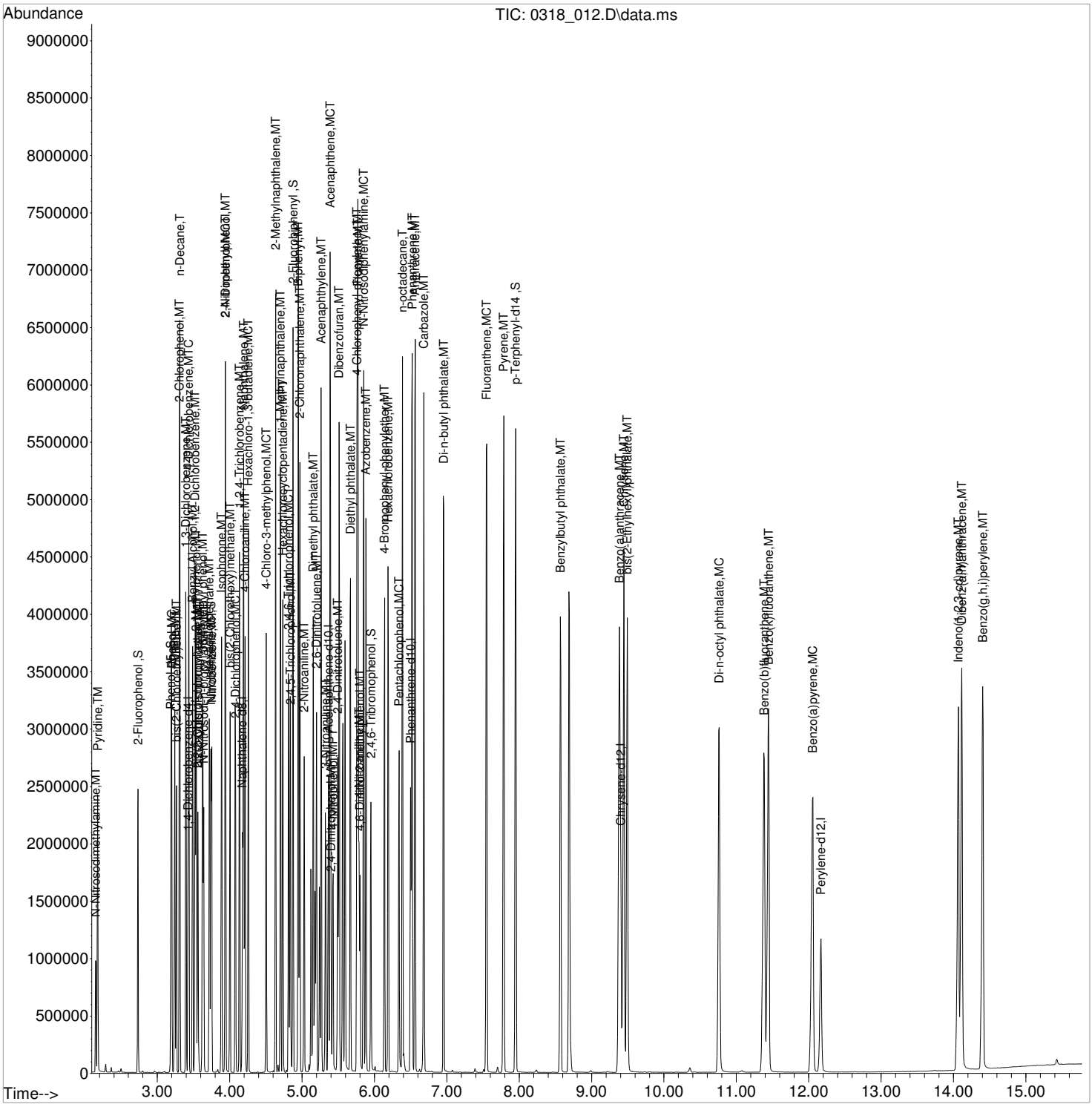
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40)	4-Chloro-3-methylphenol	4.505	107	538684	22032.8206063 ppb		92
41)	2-Methylnaphthalene	4.634	142	1290253	20433.0347814 ppb		98
42)	1-Methylnaphthalene	4.699	142	1203476	20285.6570087 ppb		100
47)	Hexachlorocyclopentadiene	4.734	237	455386	22604.5659191 ppb		97
48)	2,4,6-Trichlorophenol	4.810	196	390315	22717.2453569 ppb		97
49)	2,4,5-Trichlorophenol	4.840	196	434343	23326.4809239 ppb		94
51)	Biphenyl	4.946	154	1619335	20842.5602329 ppb		99
52)	2-Chloronaphthalene	4.969	162	1215119	20574.9831024 ppb		98
53)	2-Nitroaniline	5.028	138	416713	24733.8756788 ppb		100
54)	Acenaphthylene	5.263	152	1898856	20481.4803533 ppb		99
55)	Dimethyl phthalate	5.152	163	1411335	20325.7374211 ppb		98
56)	2,6-Dinitrotoluene	5.199	165	329118	23737.4824153 ppb		96
57)	3-Nitroaniline	5.322	138	363273	23318.1977087 ppb		99
58)	Acenaphthene	5.387	153	1286421	20592.9607727 ppb		98
59)	2,4-Dinitrophenol	5.399	184	151788	32321.0917101 ppb	#	17
60)	Dibenzofuran	5.510	168	1771051	20467.3945618 ppb		99
61)	2,4-Dinitrotoluene	5.493	165	429828	25546.7409120 ppb		95
63)	4-Nitrophenol	5.428	139	283199	25147.8847901 ppb		92
64)	Fluorene	5.769	166	1544945	21467.9348890 ppb		100
65)	4-Chlorophenyl-phenyle...	5.757	204	734348	21216.2576343 ppb		91
66)	Diethyl phthalate	5.669	149	1418837	20925.9378678 ppb		99
67)	4-Nitroaniline	5.787	138	393656	23763.2197134 ppb		99
68)	Azobenzene	5.881	77	1382699	20266.0214371 ppb		98
71)	4,6-Dinitro-2-methylph...	5.799	198	209825	35026.0797332 ppb		91
72)	N-Nitrosodiphenylamine	5.852	169	1283490	21657.5858682 ppb		100
74)	4-Bromophenyl-phenylether	6.140	248	423126	21785.7941177 ppb		90
75)	Hexachlorobenzene	6.187	284	465608	21489.9023787 ppb		99
76)	n-octadecane	6.387	55	182335	21310.0825366 ppb		97
77)	Pentachlorophenol	6.340	266	249866	27703.5141089 ppb		97
78)	Phenanthrene	6.522	178	2148195	19979.8375198 ppb		100
79)	Anthracene	6.563	178	2193818	21066.5563211 ppb		99
80)	Carbazole	6.681	167	2025177	21179.1353069 ppb		99
81)	Di-n-butyl phthalate	6.957	149	2454233	21890.4741195 ppb		100
83)	Fluoranthene	7.551	202	2322995	20975.0772542 ppb		99
86)	Pyrene	7.787	202	2391592	19885.3401638 ppb		99
88)	Benzylbutyl phthalate	8.569	149	1086352	22761.4699747 ppb		97
90)	Benzo(a)anthracene	9.387	228	2215749	18292.5020983 ppb		98
91)	Chrysene	9.445	228	2132642	19599.2001365 ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.493	149	1554177	22903.2521245 ppb		99
93)	Di-n-octyl phthalate	10.763	149	2582164	24387.5082964 ppb		100
95)	Benzo(b)fluoranthene	11.387	252	2138882	22013.8262556 ppb		99
96)	Benzo(k)fluoranthene	11.445	252	2126081	21634.2257372 ppb		99
97)	Benzo(a)pyrene	12.057	252	1865370	22178.2467288 ppb		98
98)	Indeno(1,2,3-cd)pyrene	14.069	276	1839144m	22538.1315827 ppb		
99)	Dibenz(a,h)anthracene	14.116	278	1965240m	22667.0455937 ppb		
100)	Benzo(g,h,i)perylene	14.404	276	1949464	22038.9567384 ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_012.D
Acq On : 18 Mar 2022 06:52 pm
Operator : 917
Sample : STD SVMS 20K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 9 Sample Multiplier: 1

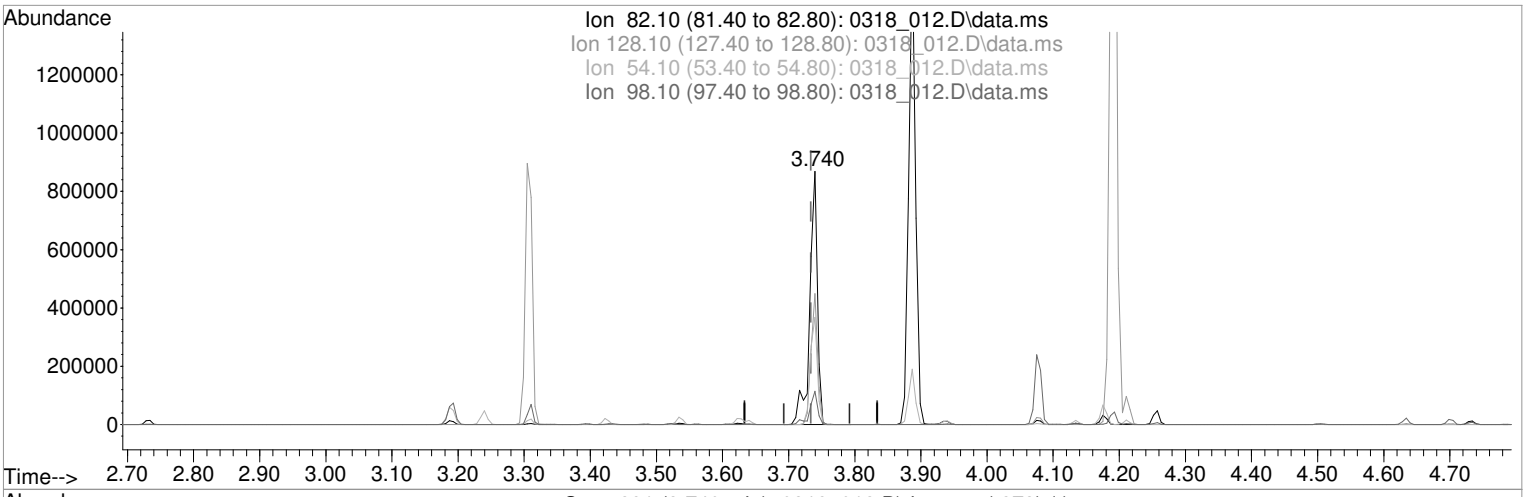
Quant Time: Mar 22 16:51:26 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:51:23 2022
Response via : Initial Calibration

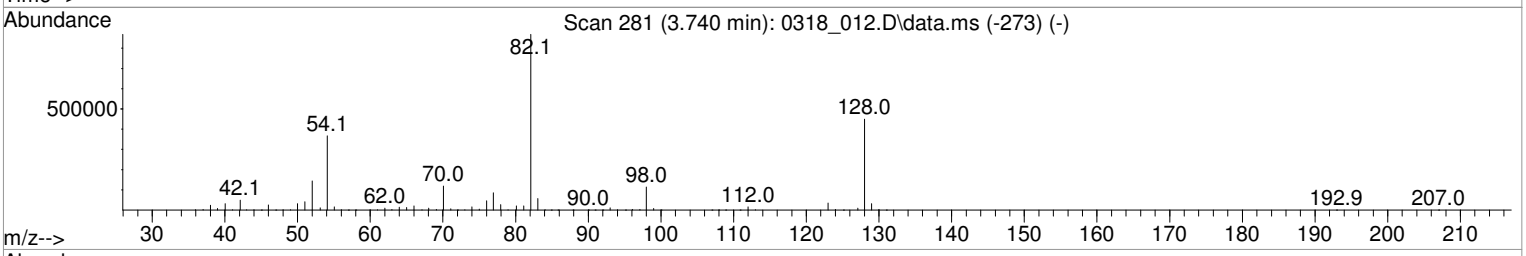


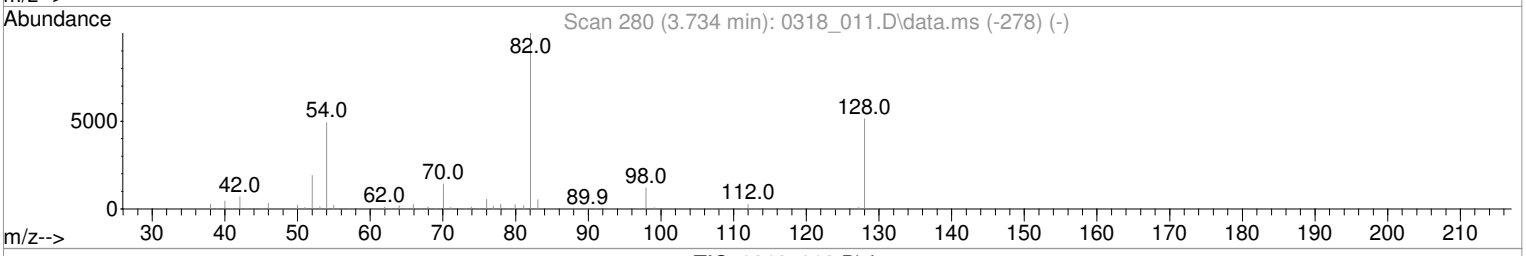
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_012.D
Acq On : 18 Mar 2022 06:52 pm
Operator : 917
Sample : STD SVMS 20K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 16:51:26 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:51:23 2022
Response via : Initial Calibration







TIC: 0318_012.D\data.ms

(24) Nitrobenzene-d5 (S)

3.740min (+ 0.006) 23725.2464215 ppb

Qvalue = 95

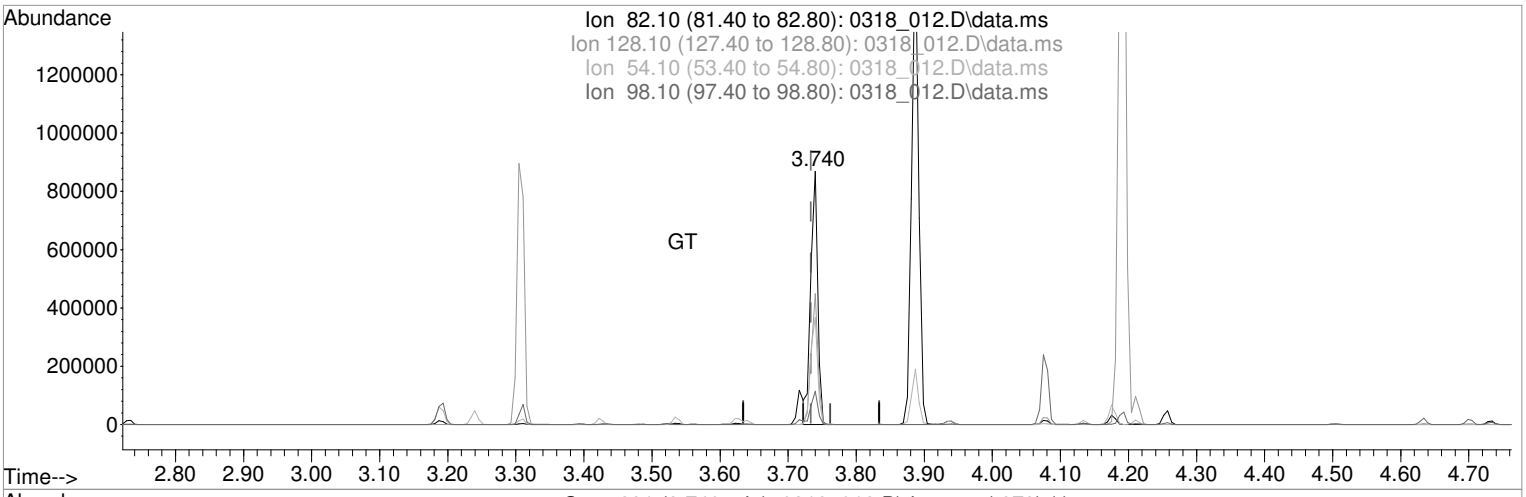
response 703663

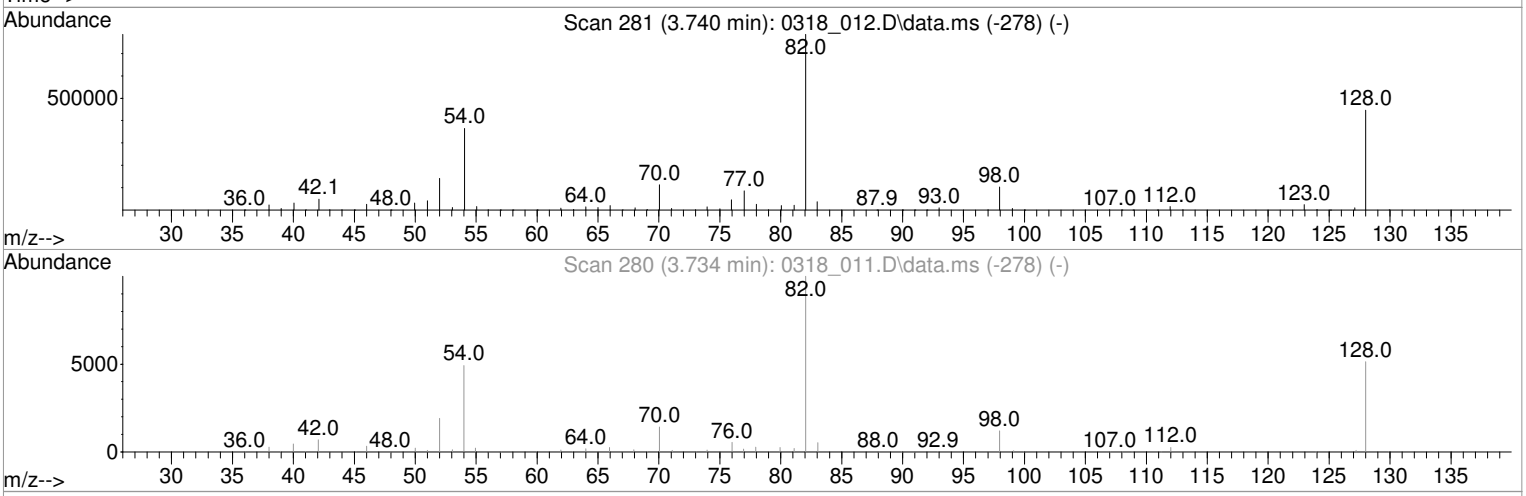
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	51.67
54.10	45.60	42.36
98.10	12.30	13.20

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_012.D
Acq On : 18 Mar 2022 06:52 pm
Operator : 917
Sample : STD SVMS 20K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 16:51:26 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:51:23 2022
Response via : Initial Calibration





TIC: 0318_012.D\data.ms

(24) Nitrobenzene-d5 (S)

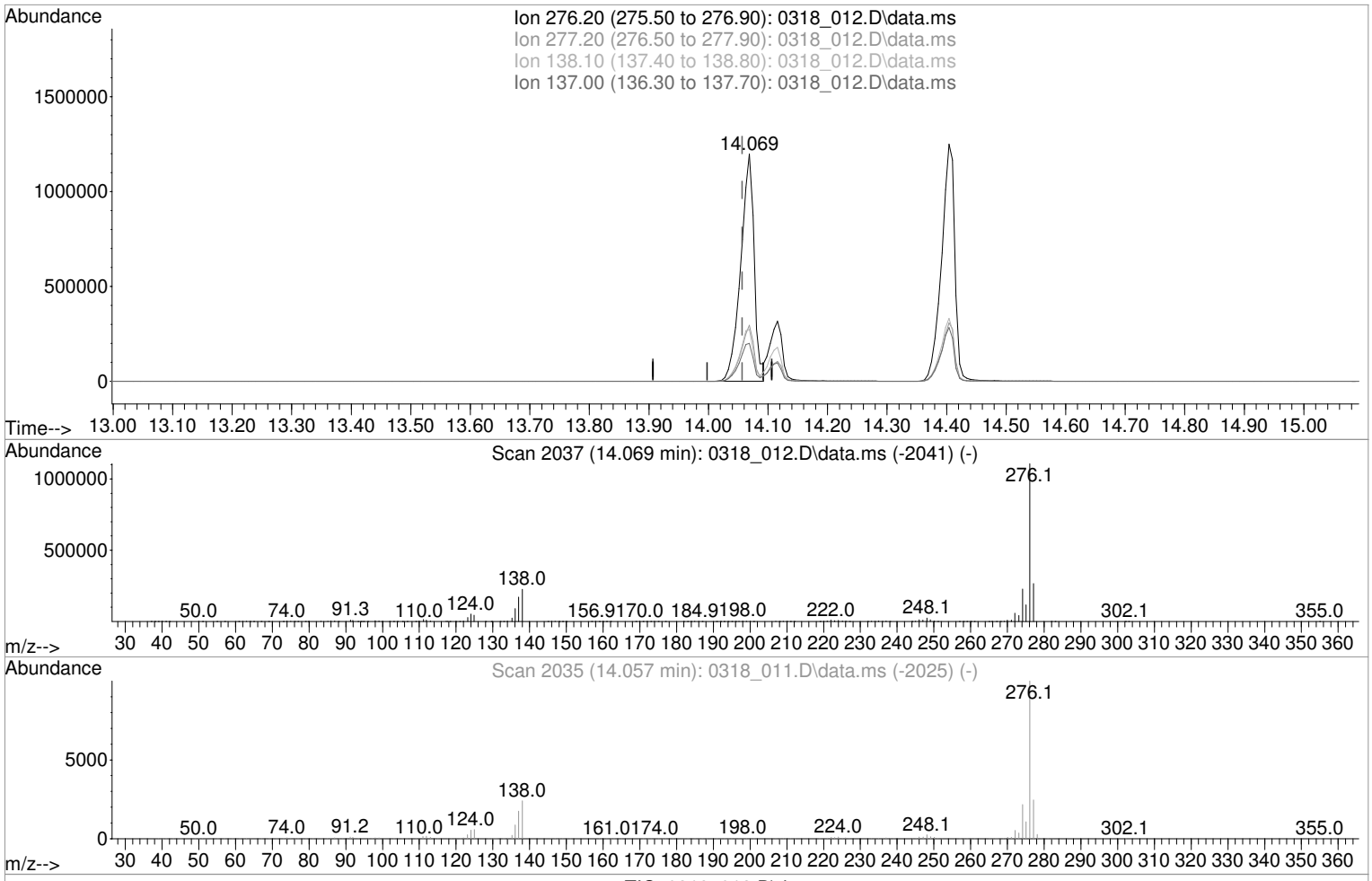
3.740min (+ 0.006) 21035.4233332 ppb m

response 623886

Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	51.67
54.10	45.60	42.36
98.10	12.30	13.20

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_012.D
Acq On : 18 Mar 2022 06:52 pm
Operator : 917
Sample : STD SVMS 20K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 16:51:26 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:51:23 2022
Response via : Initial Calibration



TIC: 0318_012.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

14.069min (+ 0.012) 22941.0043734 ppb

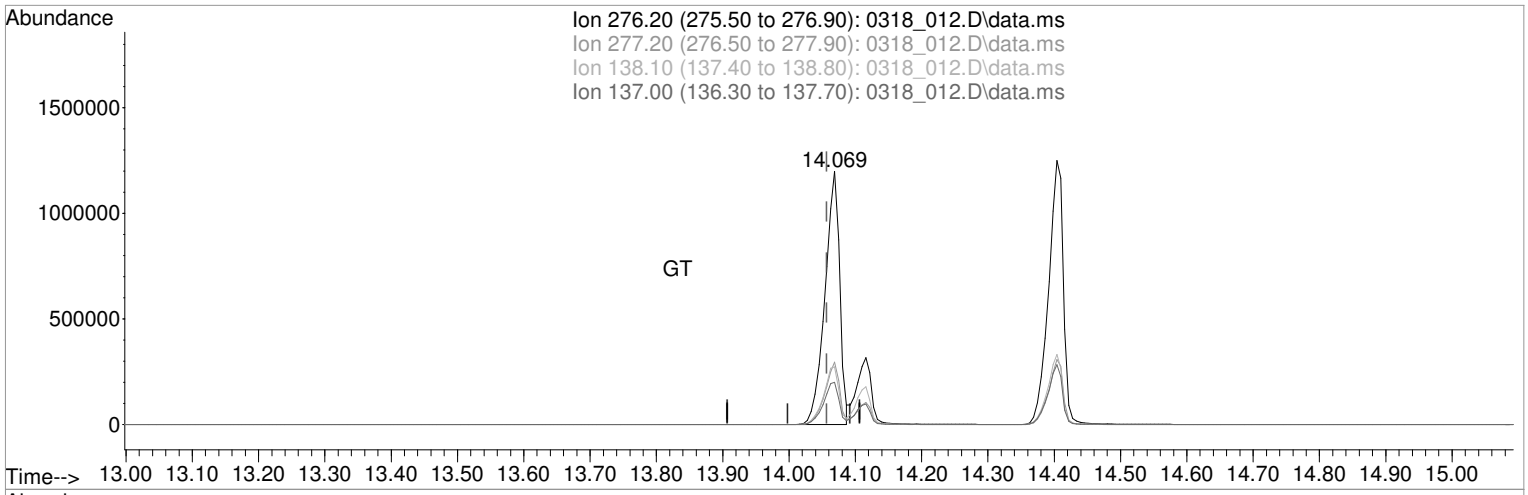
Qvalue = 98

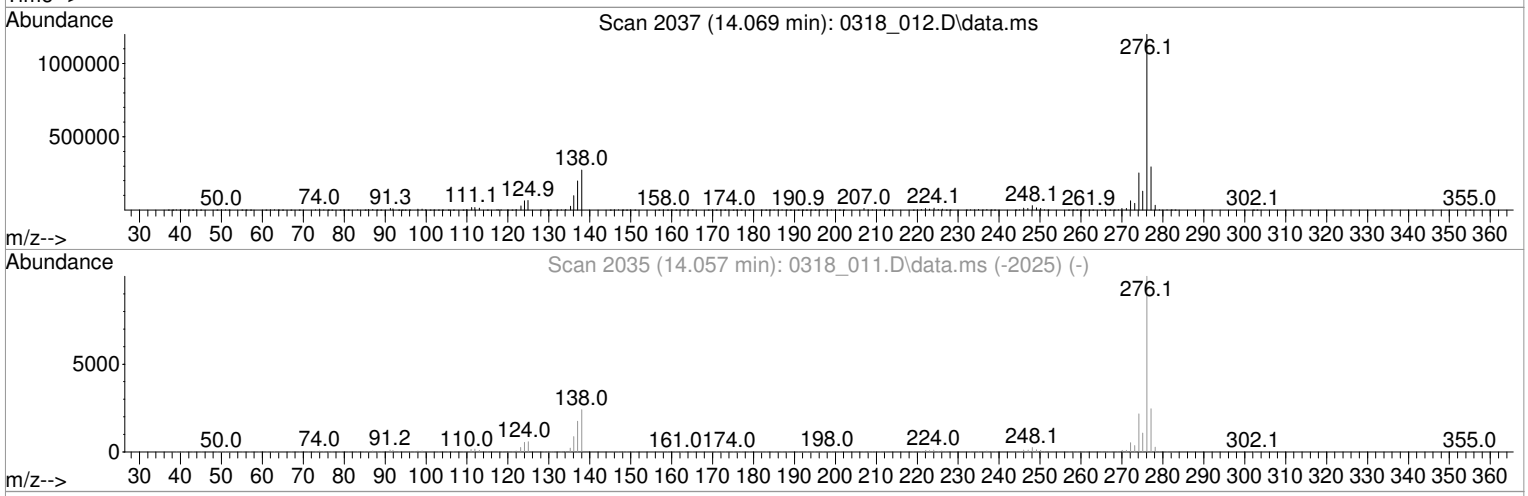
response 1872019

Ion	Exp%	Act%
276.20	100.00	100.00
277.20	24.50	24.62
138.10	24.00	22.70
137.00	17.50	16.62

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_012.D
Acq On : 18 Mar 2022 06:52 pm
Operator : 917
Sample : STD SVMS 20K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 16:51:26 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:51:23 2022
Response via : Initial Calibration





TIC: 0318_012.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

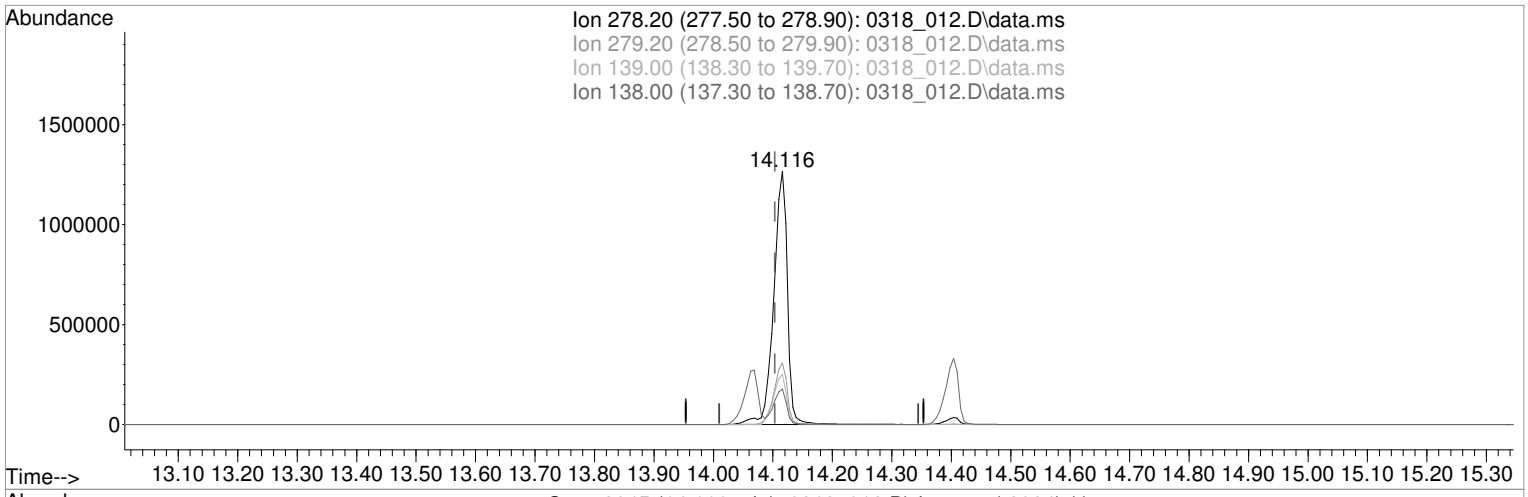
14.069min (+ 0.012) 22538.1315827 ppb m

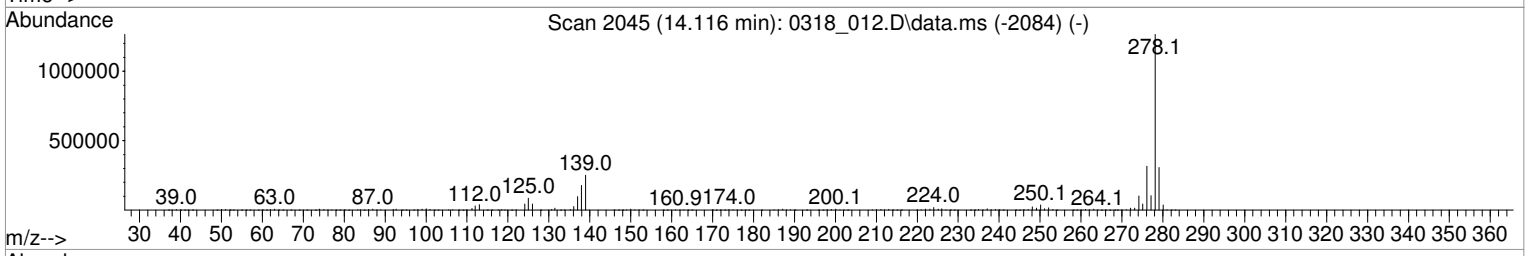
response 1839144

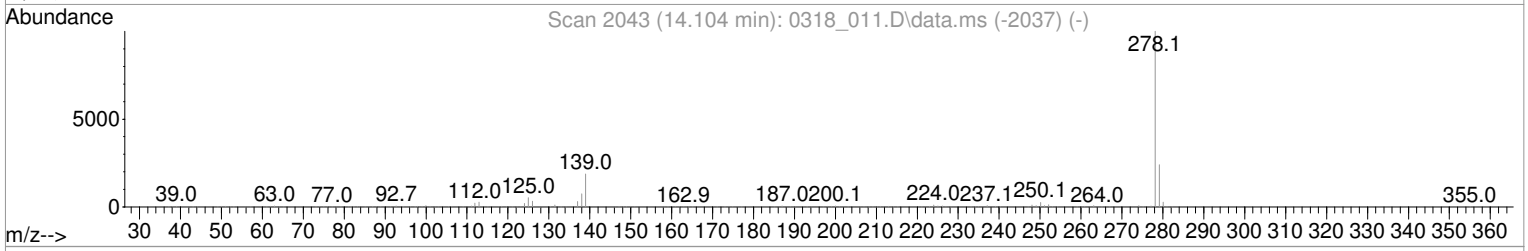
Ion	Exp%	Act%
276.20	100.00	100.00
277.20	24.50	24.62
138.10	24.00	22.70
137.00	17.50	16.63

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_012.D
Acq On : 18 Mar 2022 06:52 pm
Operator : 917
Sample : STD SVMS 20K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 16:51:26 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:51:23 2022
Response via : Initial Calibration







TIC: 0318_012.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

14.116min (+ 0.012) 23303.9636926 ppb

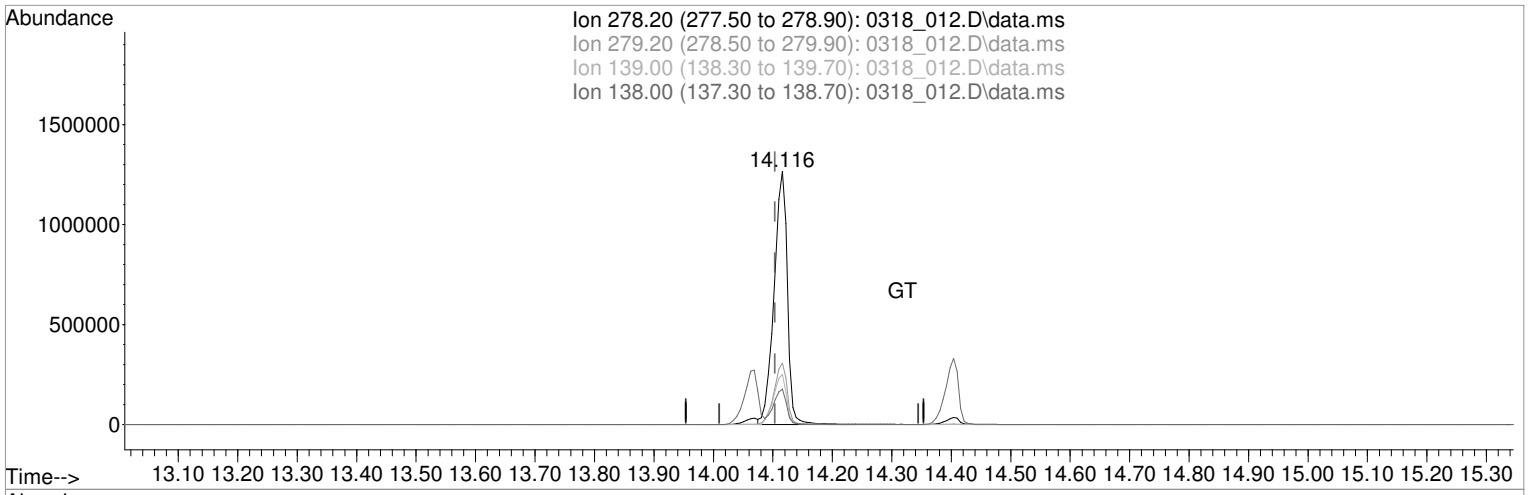
Qvalue = 98

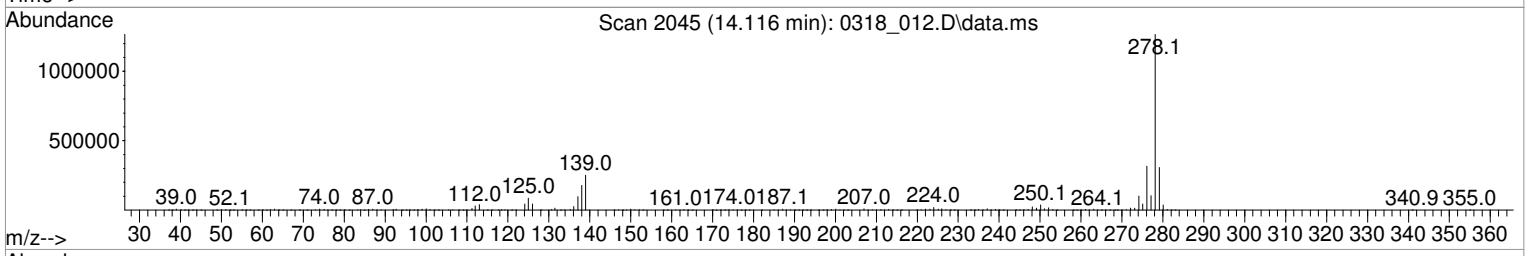
response 2020461

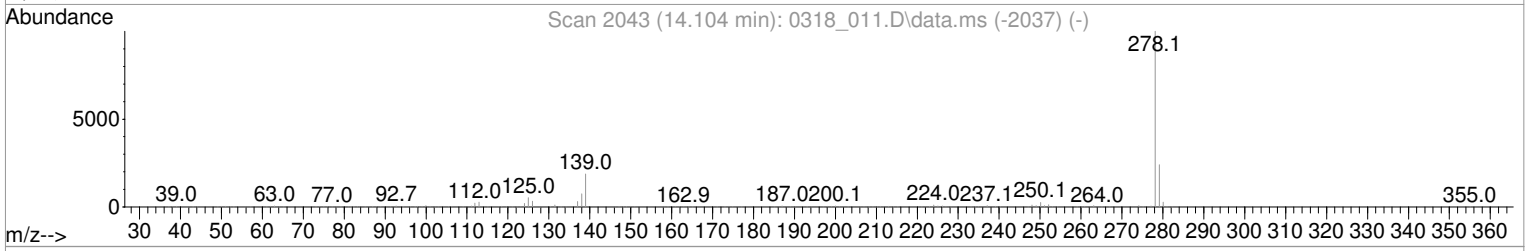
Ion	Exp%	Act%
278.20	100.00	100.00
279.20	24.00	24.24
139.00	18.50	19.84
138.00	13.50	14.06

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_012.D
Acq On : 18 Mar 2022 06:52 pm
Operator : 917
Sample : STD SVMS 20K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 16:51:26 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:51:23 2022
Response via : Initial Calibration







TIC: 0318_012.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

14.116min (+ 0.012) 22667.0455937 ppb m

response 1965240

Ion	Exp%	Act%
278.20	100.00	100.00
279.20	24.00	24.24
139.00	18.50	19.84
138.00	13.50	14.06

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_013.D
Acq On : 18 Mar 2022 07:13 pm
Operator : 917
Sample : STD SVMS 30K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 22 16:53:33 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:53:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.423	152	196116	8000.0000000 ppb		0.00
23) Naphthalene-d8	4.175	136	744984	8000.0000000 ppb		0.00
46) Acenaphthene-d10	5.364	164	429360	8000.0000000 ppb		0.00
70) Phenanthrene-d10	6.499	188	797027	8000.0000000 ppb		0.00
84) Chrysene-d12	9.405	240	747290	8000.0000000 ppb		0.02
94) Perylene-d12	12.175	264	712568	8000.0000000 ppb		0.02
System Monitoring Compounds						
4) 2-Fluorophenol	2.734	112	897869	31096.7080368 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 777.42%#			
7) Phenol-d5	3.193	99	1151835	31563.6533700 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 789.09%#			
24) Nitrobenzene-d5	3.740	82	960578m	31720.0180359 ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 1586.00%#			
50) 2-Fluorobiphenyl	4.875	172	2196983	30821.4255156 ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 1541.07%#			
73) 2,4,6-Tribromophenol	5.952	330	332559	38164.4317192 ppb		0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 954.11%#			
87) p-Terphenyl-d14	7.952	244	2982492	30997.1307468 ppb		0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 1549.86%#			
Target Compounds						Qvalue
2) Pyridine	2.176	79	896379	29873.3539440 ppb		99
3) N-Nitrosodimethylamine	2.152	42	387065	29321.5314093 ppb		98
5) Aniline	3.240	66	461174	30977.3655044 ppb		93
6) bis(2-Chloroethyl)ether	3.264	93	892999	30073.7592801 ppb		98
8) Phenol	3.199	94	1155186	31449.4284927 ppb		99
10) 2-Chlorophenol	3.311	128	1059467	33211.5929315 ppb		92
11) n-Decane	3.311	41	382704	27311.7150153 ppb		95
12) 1,3-Dichlorobenzene	3.393	146	1086548	30408.8595496 ppb		98
13) 1,4-Dichlorobenzene	3.434	146	1118417	30250.9357441 ppb		98
14) Benzyl Alcohol	3.487	79	765801	31144.2572119 ppb		99
15) 1,2-Dichlorobenzene	3.523	146	1047998	30361.5248438 ppb		97
16) bis(2-Chloroisopropyl)...	3.564	121	334615	30118.3672190 ppb	#	84
17) 2,2-oxybis(1-chloropro...	3.564	121	334615	30118.3672190 ppb	#	84
18) 2-Methylphenol	3.540	108	873524	31194.2859095 ppb		99
19) Hexachloroethane	3.717	117	436139	30653.3324125 ppb		97
20) N-Nitrosodi-n-propylamine	3.646	70	639331	30187.7991815 ppb		97
21) 3&4-Methyl phenol	3.628	107	988999	30838.7827682 ppb		98
25) Nitrobenzene	3.752	77	936545	31206.0348234 ppb		97
26) Isophorone	3.893	82	1769034	30403.2369059 ppb		94
27) 2-Nitrophenol	3.940	139	538993	37025.9107383 ppb		90
28) 2,4-Dimethylphenol	3.946	107	1007006	32259.2279342 ppb		99
29) bis(2-Chlorethoxy)methane	4.005	93	1076165	29824.2410482 ppb		98
30) 2,4-Dichlorophenol	4.081	162	834287	32265.0517735 ppb		95
32) 1,2,4-Trichlorobenzene	4.134	180	919687	30812.2268697 ppb		98
34) Naphthalene	4.193	128	2767748	28647.0334537 ppb		98
35) 4-Chloroaniline	4.211	65	305243	30623.1462854 ppb		99
36) Hexachloro-1,3-butadiene	4.258	225	537991	30864.5103817 ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_013.D
Acq On : 18 Mar 2022 07:13 pm
Operator : 917
Sample : STD SVMS 30K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 10 Sample Multiplier: 1

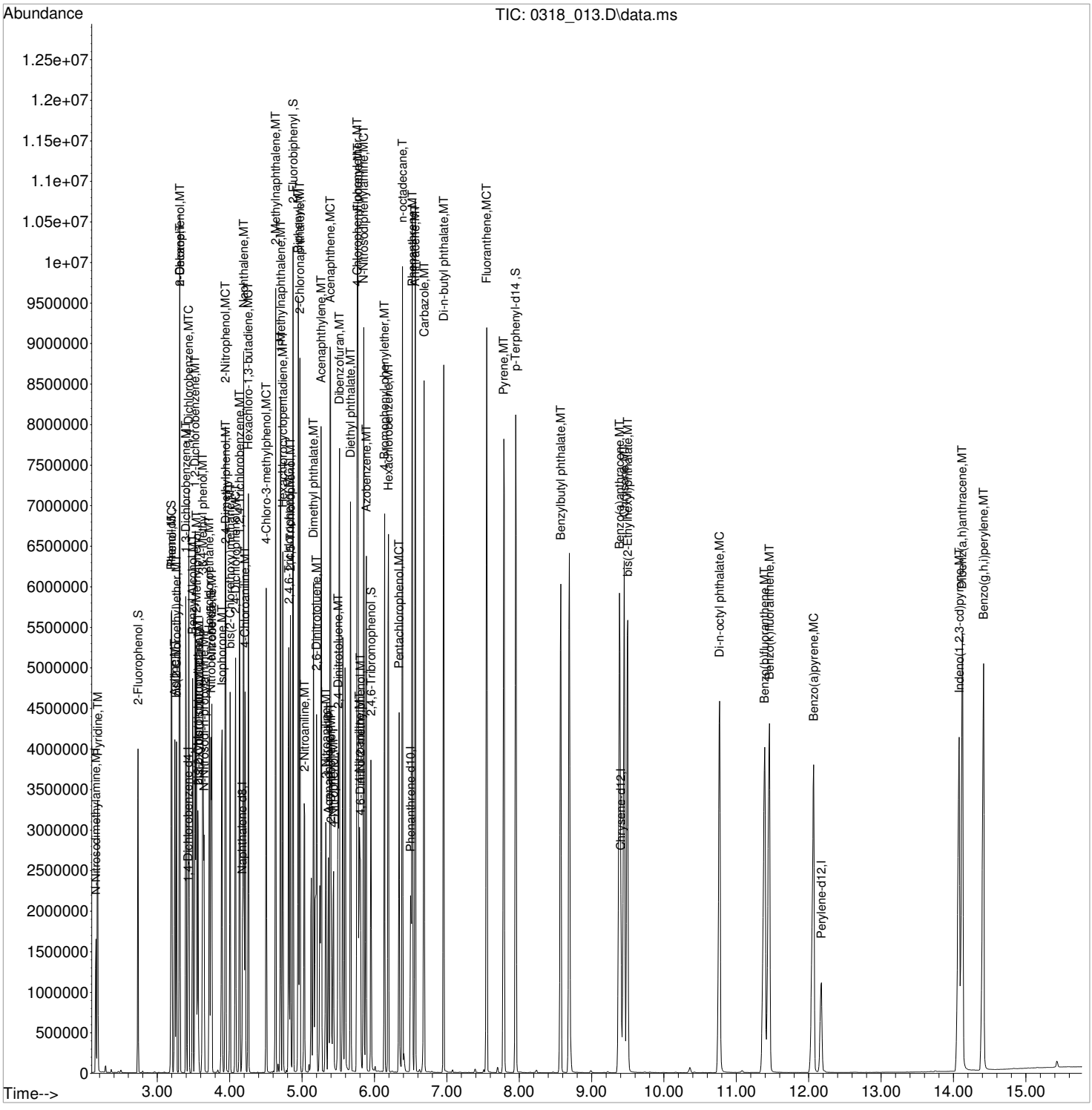
Quant Time: Mar 22 16:53:33 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:53:25 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40)	4-Chloro-3-methylphenol	4.505	107	820499	32599.0313521 ppb		95
41)	2-Methylnaphthalene	4.634	142	1929244	30087.7651416 ppb		98
42)	1-Methylnaphthalene	4.705	142	1843798	30638.3779951 ppb		100
47)	Hexachlorocyclopentadiene	4.734	237	700861	33861.8730759 ppb		96
48)	2,4,6-Trichlorophenol	4.817	196	628430	35568.1247794 ppb		95
49)	2,4,5-Trichlorophenol	4.840	196	648932	33723.1769061 ppb		96
51)	Biphenyl	4.946	154	2423302	30801.4538699 ppb		99
52)	2-Chloronaphthalene	4.970	162	1859607	31185.2929704 ppb		99
53)	2-Nitroaniline	5.034	138	646179	36693.8075128 ppb		99
54)	Acenaphthylene	5.264	152	2845187	30414.2473208 ppb		98
55)	Dimethyl phthalate	5.158	163	2099484	29987.4451925 ppb		99
56)	2,6-Dinitrotoluene	5.199	165	502722	34968.6500847 ppb		96
57)	3-Nitroaniline	5.328	138	553946	34408.9446390 ppb		99
58)	Acenaphthene	5.387	153	1930621	30604.4895721 ppb		98
59)	2,4-Dinitrophenol	5.399	184	253852	47858.1427981 ppb	#	36
60)	Dibenzofuran	5.517	168	2649799	30335.0097883 ppb		98
61)	2,4-Dinitrotoluene	5.499	165	669625	37829.9918306 ppb		95
63)	4-Nitrophenol	5.434	139	441413	37376.6680187 ppb		92
64)	Fluorene	5.769	166	2302489	31487.1111342 ppb		100
65)	4-Chlorophenyl-phenyle...	5.764	204	1137535	32354.8947445 ppb		95
66)	Diethyl phthalate	5.669	149	2129019	30987.1568146 ppb		99
67)	4-Nitroaniline	5.793	138	599655	34903.3811106 ppb		98
68)	Azobenzene	5.887	77	2069957	30104.2948888 ppb		97
71)	4,6-Dinitro-2-methylph...	5.805	198	339771	50214.7283400 ppb		90
72)	N-Nitrosodiphenylamine	5.852	169	1903976	31569.5214679 ppb		99
74)	4-Bromophenyl-phenylether	6.140	248	659670	33339.7203033 ppb		93
75)	Hexachlorobenzene	6.193	284	735064	33383.1371871 ppb		99
76)	n-octadecane	6.387	55	269407	31028.1038076 ppb		95
77)	Pentachlorophenol	6.340	266	406708	42211.9807829 ppb		99
78)	Phenanthrene	6.522	178	3176563	29436.4339088 ppb		97
79)	Anthracene	6.564	178	3278715	31127.7345044 ppb		97
80)	Carbazole	6.687	167	3061831	31588.3377441 ppb		99
81)	Di-n-butyl phthalate	6.958	149	3700704	32372.9388922 ppb		99
83)	Fluoranthene	7.552	202	3514121	31390.9617283 ppb		97
86)	Pyrene	7.787	202	3619928	29614.9322946 ppb		98
88)	Benzylbutyl phthalate	8.575	149	1677178	33770.4701900 ppb		98
90)	Benzo(a)anthracene	9.387	228	3418191	28085.8340817 ppb		99
91)	Chrysene	9.452	228	3266684	29599.3154798 ppb		98
92)	bis(2-Ethylhexyl)phtha...	9.499	149	2423405	34280.6930734 ppb		99
93)	Di-n-octyl phthalate	10.769	149	3971909	35579.2199687 ppb		99
95)	Benzo(b)fluoranthene	11.393	252	3299842	32809.2520747 ppb		100
96)	Benzo(k)fluoranthene	11.457	252	3259491	32126.8561158 ppb		100
97)	Benzo(a)pyrene	12.069	252	2873556	32966.5756329 ppb		99
98)	Indeno(1,2,3-cd)pyrene	14.081	276	2878919	33956.7145534 ppb		98
99)	Dibenz(a,h)anthracene	14.122	278	3163449	35086.6251324 ppb		98
100)	Benzo(g,h,i)perylene	14.416	276	3011999	32888.8180747 ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_013.D
Acq On : 18 Mar 2022 07:13 pm
Operator : 917
Sample : STD SVMS 30K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 22 16:53:33 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:53:25 2022
Response via : Initial Calibration



Data Path : C:\GCMS\1\data\031822\
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Acq On : 18 Mar 2022 07:13 pm
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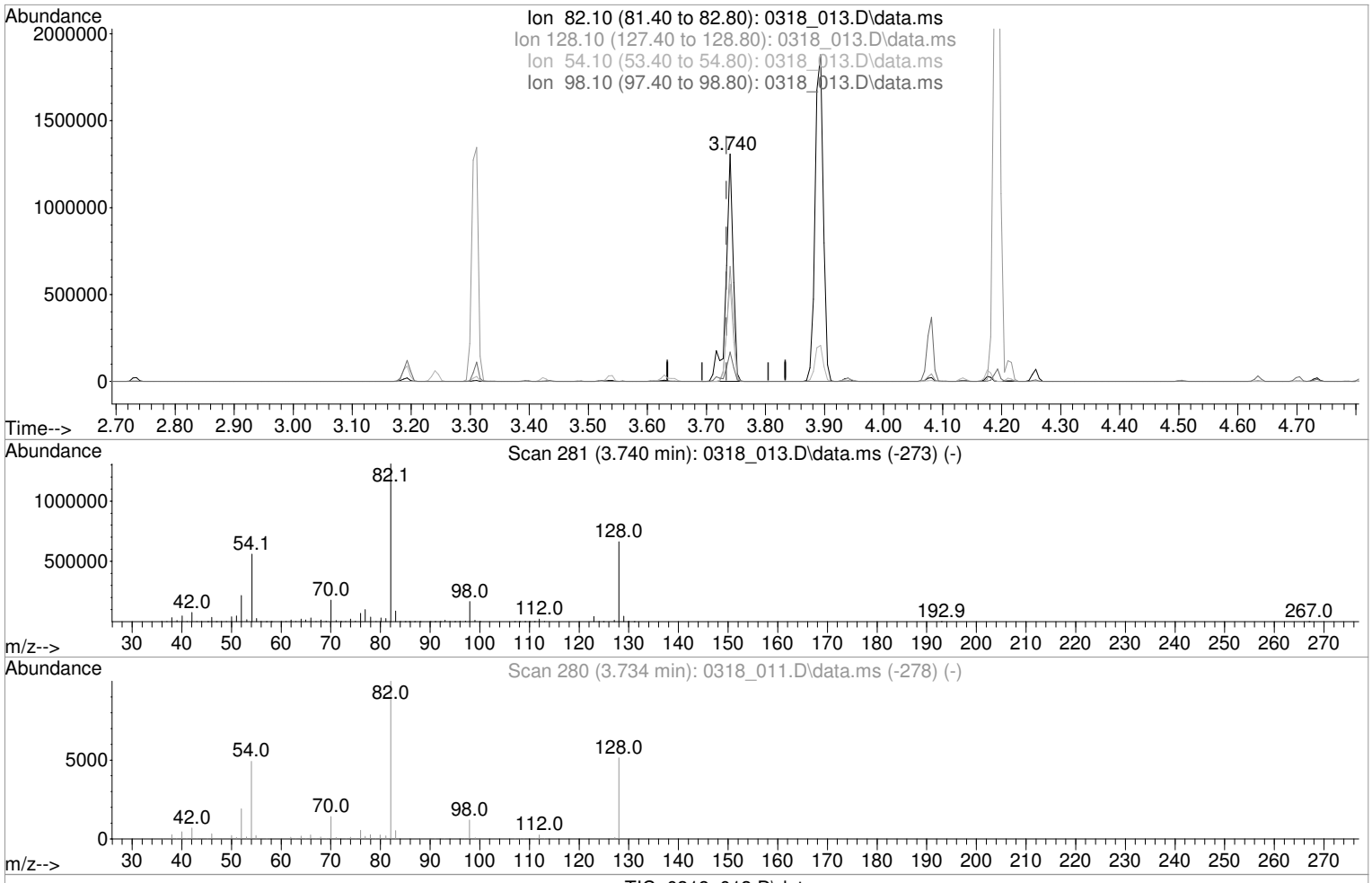
Quant Time: Mar 22 16:53:33 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:53:25 2022
Response via : Initial Calibration



TIC: 0318_013.D\data.ms

(24) Nitrobenzene-d5 (S)

3.740min (+ 0.006) 35662.0618815 ppb

Qvalue = 96

response 1079955

Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	50.59
54.10	45.60	42.76
98.10	12.30	12.85

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
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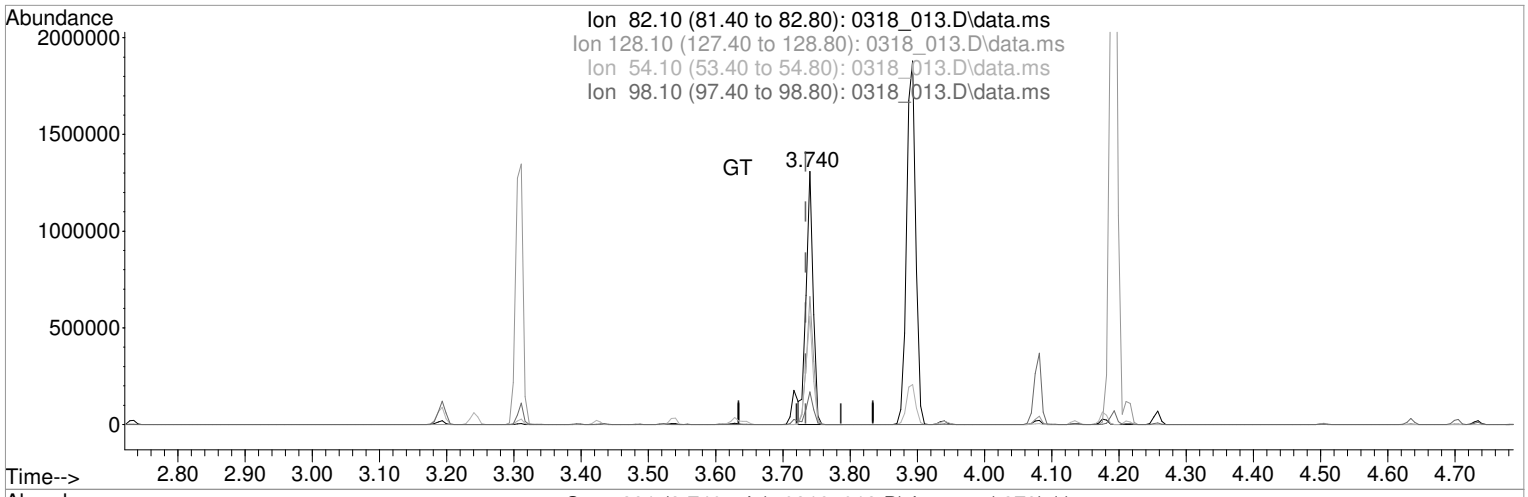
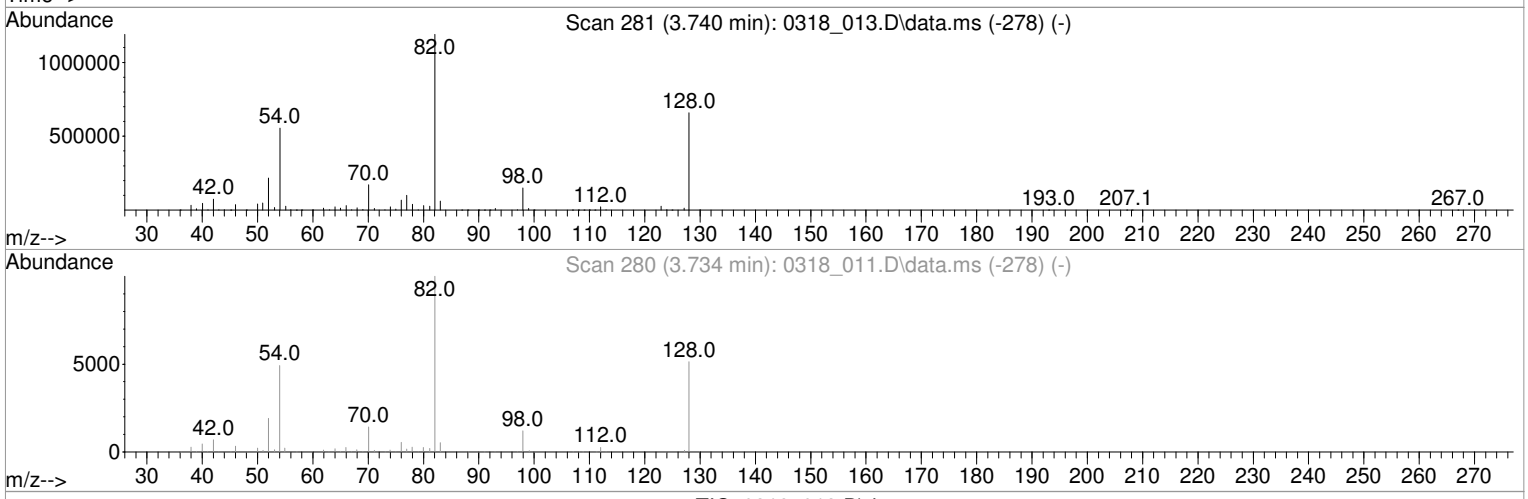
Operator : 917
Sample : STD SVMS 30K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 22 16:53:33 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:53:25 2022
Response via : Initial Calibration





TIC: 0318_013.D\data.ms

(24) Nitrobenzene-d5 (S)

3.740min (+ 0.006) 31720.0180359 ppb m

response 960578

Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	50.59
54.10	45.60	42.76
98.10	12.30	12.85

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_014.D
Acq On : 18 Mar 2022 07:35 pm
Operator : 917
Sample : STD SVMS 40K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 22 16:58:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:58:16 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.422	152	195814	8000.0000000 ppb		0.00
23) Naphthalene-d8	4.181	136	748530	8000.0000000 ppb		0.00
46) Acenaphthene-d10	5.363	164	423511	8000.0000000 ppb		0.00
70) Phenanthrene-d10	6.505	188	798994	8000.0000000 ppb		0.01
84) Chrysene-d12	9.410	240	758840	8000.0000000 ppb		0.02
94) Perylene-d12	12.175	264	722123	8000.0000000 ppb		0.02
System Monitoring Compounds						
4) 2-Fluorophenol	2.734	112	1223769	42228.7287996 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 1055.72%#			
7) Phenol-d5	3.193	99	1585305	43187.4287417 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 1079.69%#			
24) Nitrobenzene-d5	3.740	82	1251760m	40805.3367562 ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 2040.27%#			
50) 2-Fluorobiphenyl	4.875	172	2913419	41275.3162603 ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 2063.77%#			
73) 2,4,6-Tribromophenol	5.958	330	470553	51851.7602550 ppb		0.01
Spiked Amount 4000.000	Range 10 - 153		Recovery = 1296.29%#			
87) p-Terphenyl-d14	7.957	244	3995574	40700.8132173 ppb		0.01
Spiked Amount 2000.000	Range 29 - 141		Recovery = 2035.04%#			
Target Compounds						Qvalue
2) Pyridine	2.175	79	1228462	41028.4695775 ppb		99
3) N-Nitrosodimethylamine	2.152	42	517998	39428.0690521 ppb		97
5) Aniline	3.246	66	627764	42036.7168720 ppb	#	25
6) bis(2-Chloroethyl)ether	3.264	93	1214587m	40952.6632528 ppb		
8) Phenol	3.205	94	1594679	43183.3353298 ppb		95
10) 2-Chlorophenol	3.311	128	1445512	44699.4048908 ppb		94
11) n-Decane	3.311	41	491232	35566.1911837 ppb		93
12) 1,3-Dichlorobenzene	3.399	146	1486064	41573.1841927 ppb		96
13) 1,4-Dichlorobenzene	3.434	146	1501687	40631.7118148 ppb		96
14) Benzyl Alcohol	3.493	79	1043120	42257.6779754 ppb		99
15) 1,2-Dichlorobenzene	3.522	146	1431052	41451.5536107 ppb		97
16) bis(2-Chloroisopropyl)...	3.564	121	457030	41177.0559379 ppb	#	84
17) 2,2-oxybis(1-chloropro...	3.564	121	457030	41177.0559379 ppb	#	84
18) 2-Methylphenol	3.540	108	1183298	42082.4247804 ppb		100
19) Hexachloroethane	3.716	117	591411	41501.3685193 ppb		97
20) N-Nitrosodi-n-propylamine	3.646	70	868886	41053.4413714 ppb		98
21) 3&4-Methyl phenol	3.634	107	1344272	41814.4713242 ppb		99
25) Nitrobenzene	3.752	77	1272740	41966.2669386 ppb		98
26) Isophorone	3.893	82	2383475	40691.0463038 ppb		97
27) 2-Nitrophenol	3.940	139	743870	49211.3309456 ppb		88
28) 2,4-Dimethylphenol	3.946	107	1367781	43144.8463468 ppb		97
29) bis(2-Chlorethoxy)methane	4.005	93	1466687	40488.2819291 ppb		98
30) 2,4-Dichlorophenol	4.081	162	1136365	43272.6281079 ppb		99
32) 1,2,4-Trichlorobenzene	4.140	180	1272155	42255.6028345 ppb		98
34) Naphthalene	4.193	128	3644960	37760.5935686 ppb		96
35) 4-Chloroaniline	4.216	65	417586	41572.0038803 ppb		99
36) Hexachloro-1,3-butadiene	4.258	225	726294	41300.0307881 ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
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ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 22 16:58:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:58:16 2022
Response via : Initial Calibration

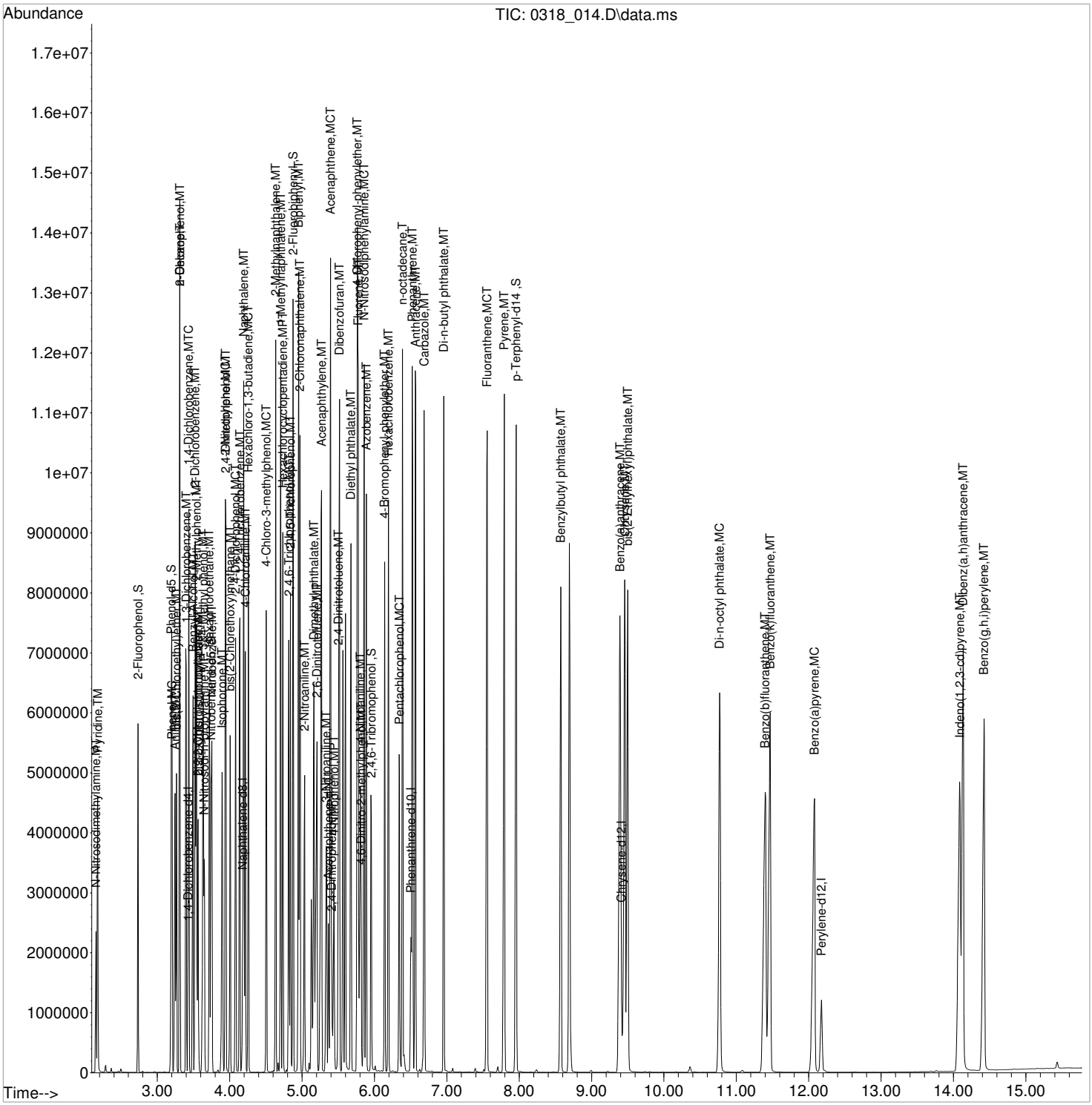
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40)	4-Chloro-3-methylphenol	4.505	107	1137256	44420.2117214 ppb		96
41)	2-Methylnaphthalene	4.634	142	2598953	40325.5356757 ppb		97
42)	1-Methylnaphthalene	4.705	142	2486477	41012.9455461 ppb		99
47)	Hexachlorocyclopentadiene	4.734	237	975643	46925.9239457 ppb		98
48)	2,4,6-Trichlorophenol	4.816	196	857561	47935.8817165 ppb		96
49)	2,4,5-Trichlorophenol	4.840	196	882250	45671.5255285 ppb		98
51)	Biphenyl	4.952	154	3201423	41096.9239320 ppb		98
52)	2-Chloronaphthalene	4.969	162	2517965	42598.6319925 ppb		98
53)	2-Nitroaniline	5.034	138	882931	49260.2243388 ppb		99
54)	Acenaphthylene	5.269	152	3777345	40865.8783665 ppb		97
55)	Dimethyl phthalate	5.163	163	2813148	40738.2464701 ppb		98
56)	2,6-Dinitrotoluene	5.205	165	679809	46831.5938793 ppb		96
57)	3-Nitroaniline	5.334	138	757895	46746.1928841 ppb		98
58)	Acenaphthene	5.393	153	2563528	41095.1511777 ppb		98
59)	2,4-Dinitrophenol	5.411	184	361848	62918.2873620 ppb	#	1
60)	Dibenzofuran	5.516	168	3533210	40941.6437104 ppb		97
61)	2,4-Dinitrotoluene	5.505	165	941878	52006.5144830 ppb		95
63)	4-Nitrophenol	5.440	139	604421	50125.4475638 ppb		96
64)	Fluorene	5.775	166	3046204	41972.8452346 ppb		100
65)	4-Chlorophenyl-phenyle...	5.763	204	1494162	42607.5749534 ppb		97
66)	Diethyl phthalate	5.675	149	2847218	41816.0566704 ppb		98
67)	4-Nitroaniline	5.805	138	817562	47143.2665318 ppb		98
68)	Azobenzene	5.887	77	2716125	40027.4699854 ppb		95
71)	4,6-Dinitro-2-methylph...	5.816	198	488314	65668.8922697 ppb		94
72)	N-Nitrosodiphenylamine	5.858	169	2581669	42384.0834253 ppb		99
74)	4-Bromophenyl-phenylether	6.140	248	904655	44894.7228696 ppb		97
75)	Hexachlorobenzene	6.193	284	981707	43769.6018339 ppb		98
76)	n-octadecane	6.387	55	349306	39935.6648853 ppb		94
77)	Pentachlorophenol	6.346	266	566107	55390.1933945 ppb		96
78)	Phenanthrene	6.522	178	4270923	39573.0921618 ppb		95
79)	Anthracene	6.569	178	4324169	40760.5557444 ppb		97
80)	Carbazole	6.687	167	4076958	41642.6998105 ppb		98
81)	Di-n-butyl phthalate	6.957	149	4796433	41387.1759832 ppb		97
83)	Fluoranthene	7.557	202	4674544	41413.9747734 ppb		97
86)	Pyrene	7.793	202	4814036	38846.9085661 ppb		96
88)	Benzylbutyl phthalate	8.575	149	2303926	44878.3637003 ppb		99
90)	Benzo(a)anthracene	9.393	228	4648383	37914.8676932 ppb		98
91)	Chrysene	9.457	228	4424143	39542.8823257 ppb		97
92)	bis(2-Ethylhexyl)phtha...	9.499	149	3286282	44864.5824187 ppb		97
93)	Di-n-octyl phthalate	10.769	149	5460295	46920.7119448 ppb		98
95)	Benzo(b)fluoranthene	11.398	252	4477247m	43418.5570695 ppb		
96)	Benzo(k)fluoranthene	11.469	252	4478110	43171.4480105 ppb		98
97)	Benzo(a)pyrene	12.081	252	3945204	44116.7471944 ppb		98
98)	Indeno(1,2,3-cd)pyrene	14.087	276	3997852m	45775.8622658 ppb		
99)	Dibenz(a,h)anthracene	14.134	278	4321364	46313.5825451 ppb		97
100)	Benzo(g,h,i)perylene	14.422	276	4078432	43421.5704202 ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_014.D
Acq On : 18 Mar 2022 07:35 pm
Operator : 917
Sample : STD SVMS 40K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 22 16:58:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:58:16 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_014.D
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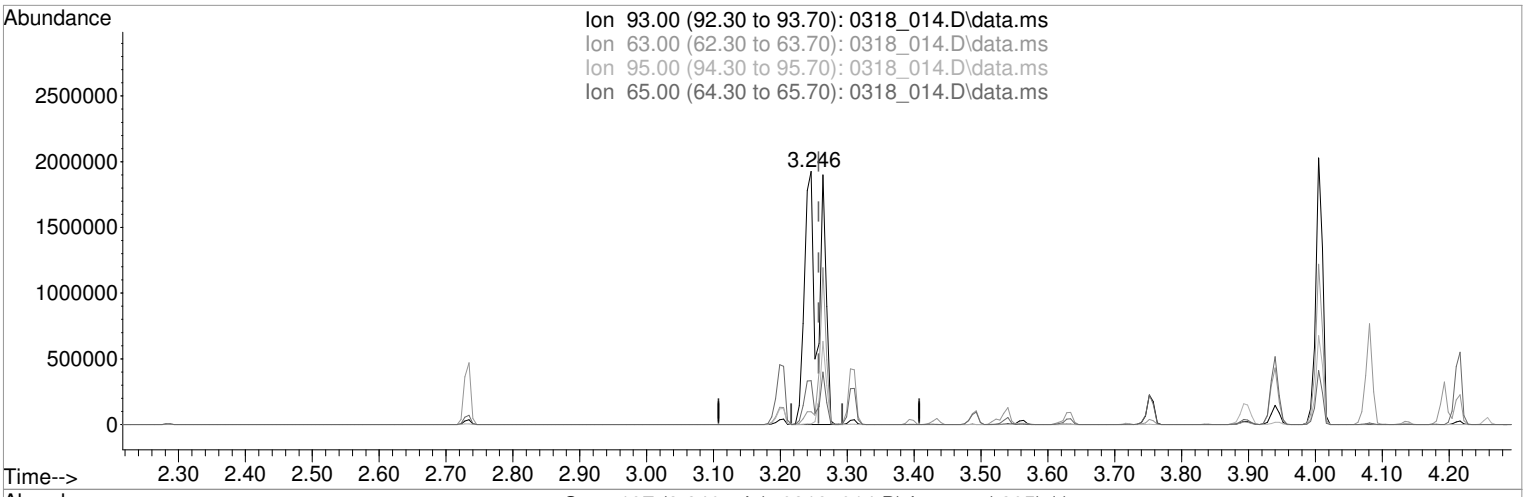

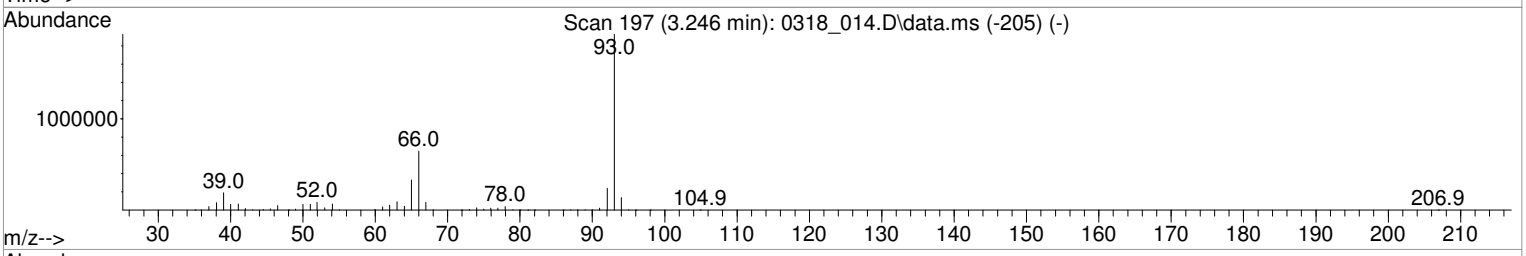

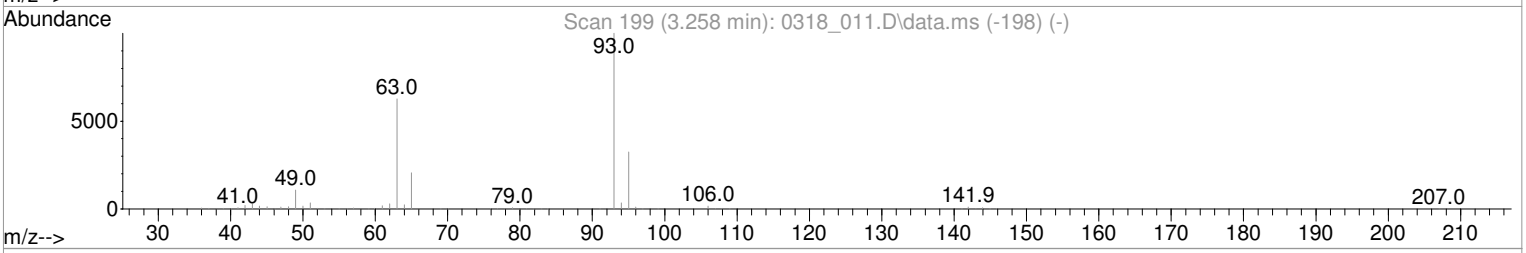

TIC: 0318_014.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.246min (-0.012) 101879.0840701 ppb

Qvalue = 42

response 3021562

Ion	Exp%	Act%
93.00	100.00	100.00
63.00	63.50	5.06#
95.00	32.10	0.23#
65.00	21.10	17.26

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_014.D
Acq On : 18 Mar 2022 07:35 pm
Operator : 917
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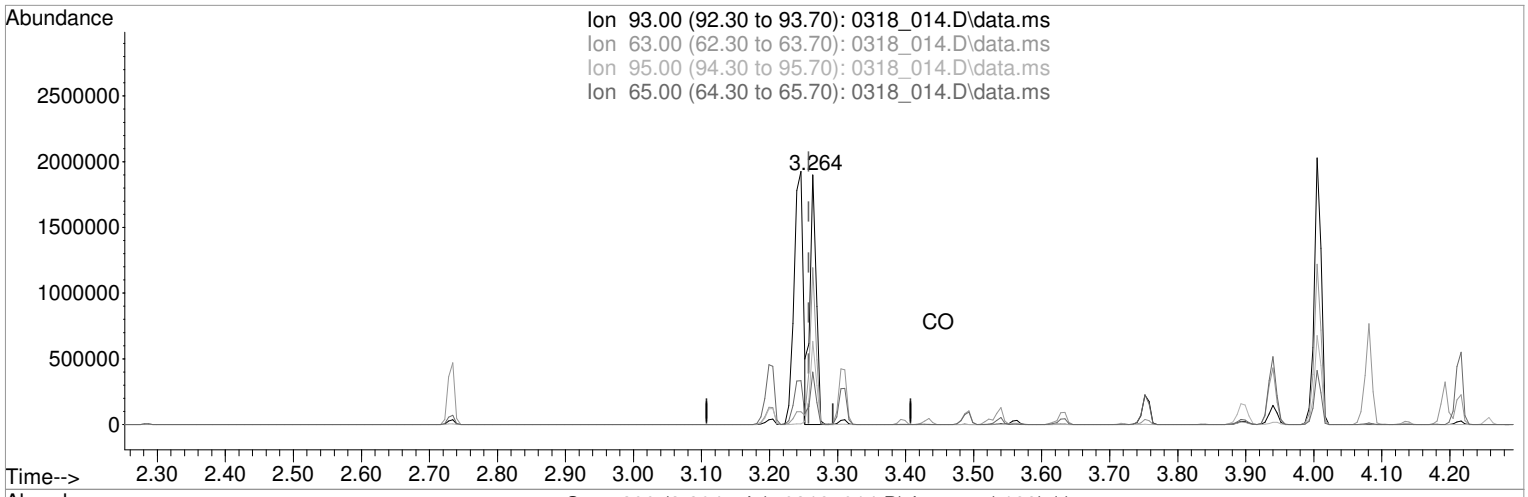
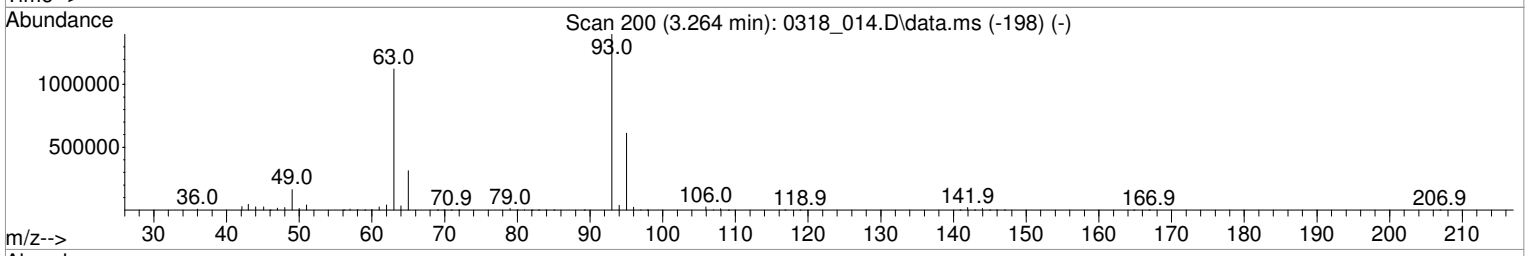
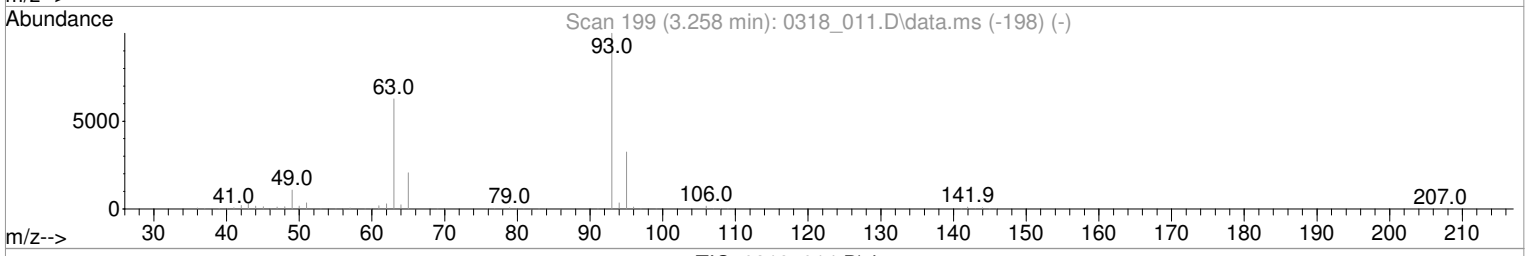






TIC: 0318_014.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.264min (+ 0.006) 40952.6632528 ppb m

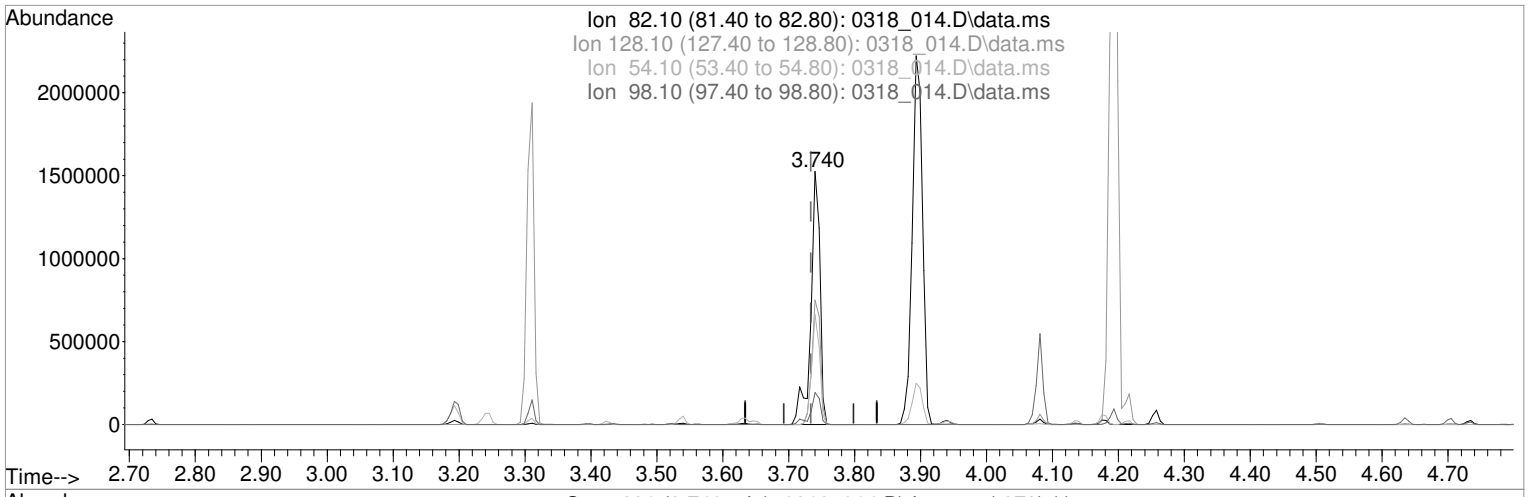
response 1214587

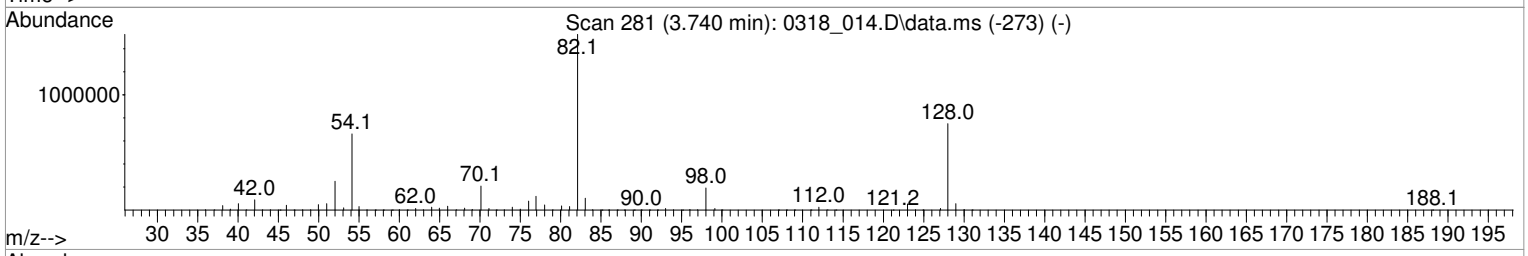
Ion	Exp%	Act%
93.00	100.00	100.00
63.00	63.50	62.89
95.00	32.10	33.40
65.00	21.10	20.98

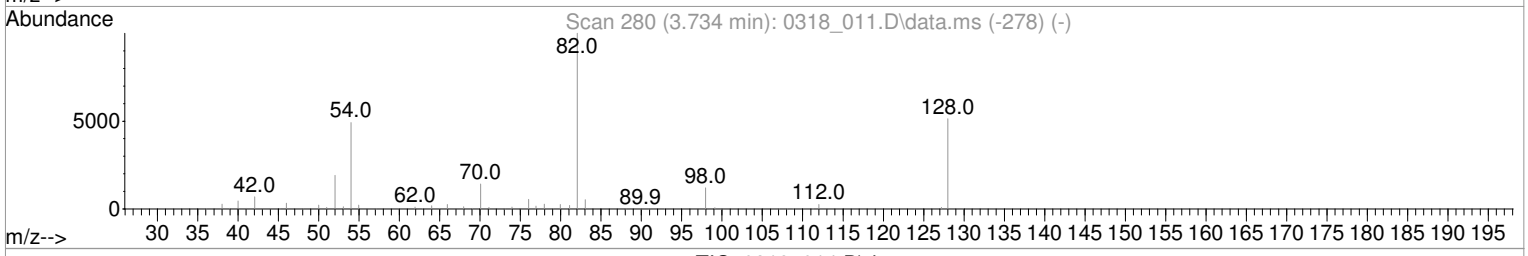
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_014.D
Acq On : 18 Mar 2022 07:35 pm
Operator : 917
Sample : STD SVMS 40K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 22 16:58:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:58:16 2022
Response via : Initial Calibration







TIC: 0318_014.D\data.ms

(24) Nitrobenzene-d5 (S)

3.740min (+ 0.006) 47711.1060409 ppb

Qvalue = 97

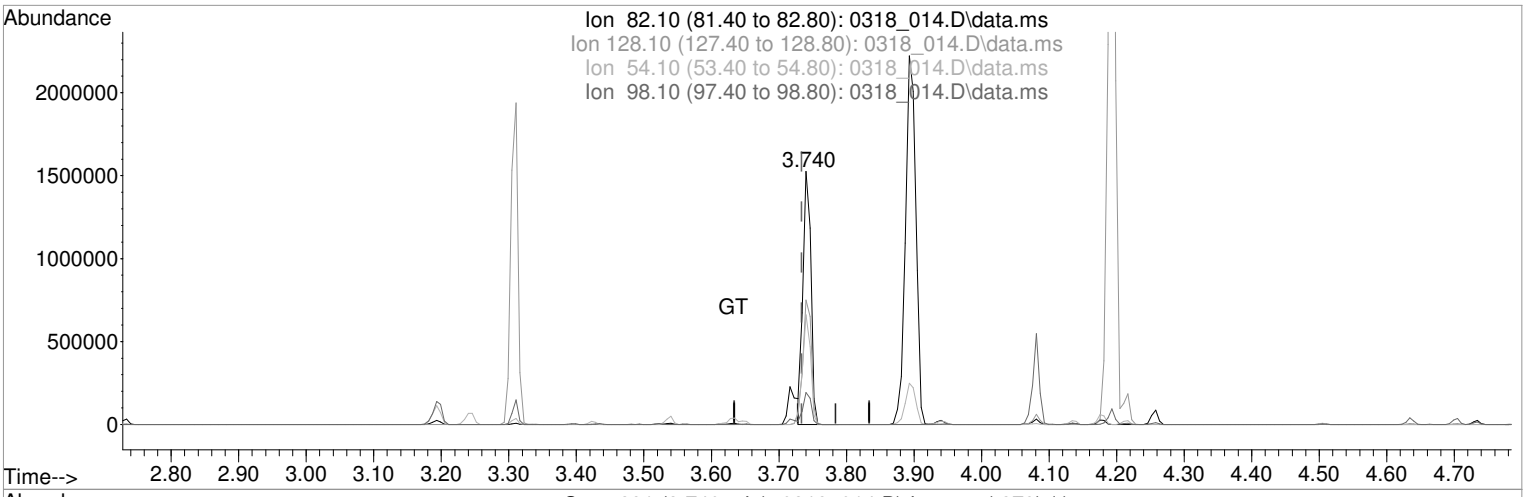
response 1463604

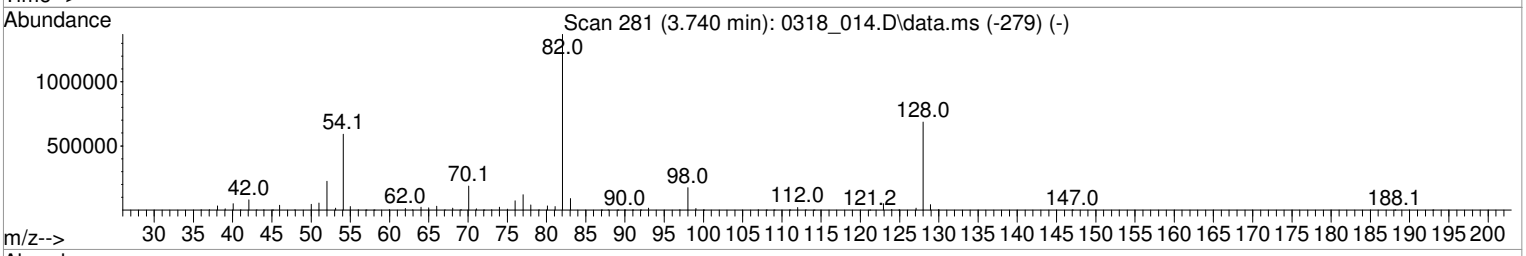
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	49.16
54.10	45.60	43.41
98.10	12.30	12.59

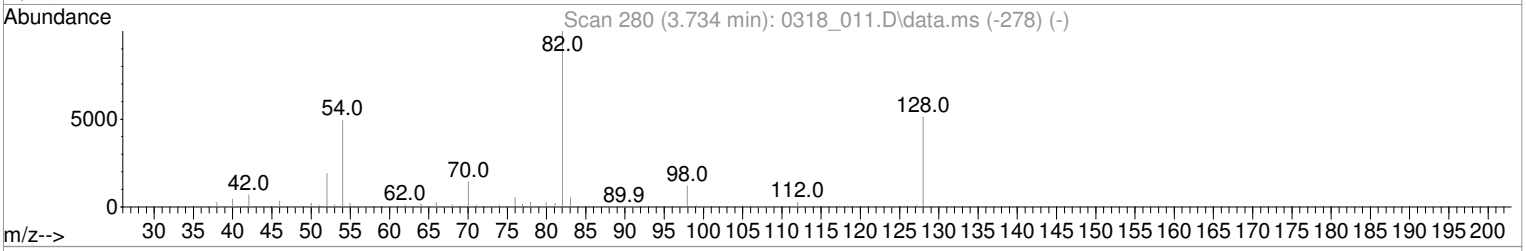
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_014.D
Acq On : 18 Mar 2022 07:35 pm
Operator : 917
Sample : STD SVMS 40K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 22 16:58:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:58:16 2022
Response via : Initial Calibration







TIC: 0318_014.D\data.ms

(24) Nitrobenzene-d5 (S)

3.740min (+ 0.006) 40805.3367562 ppb m

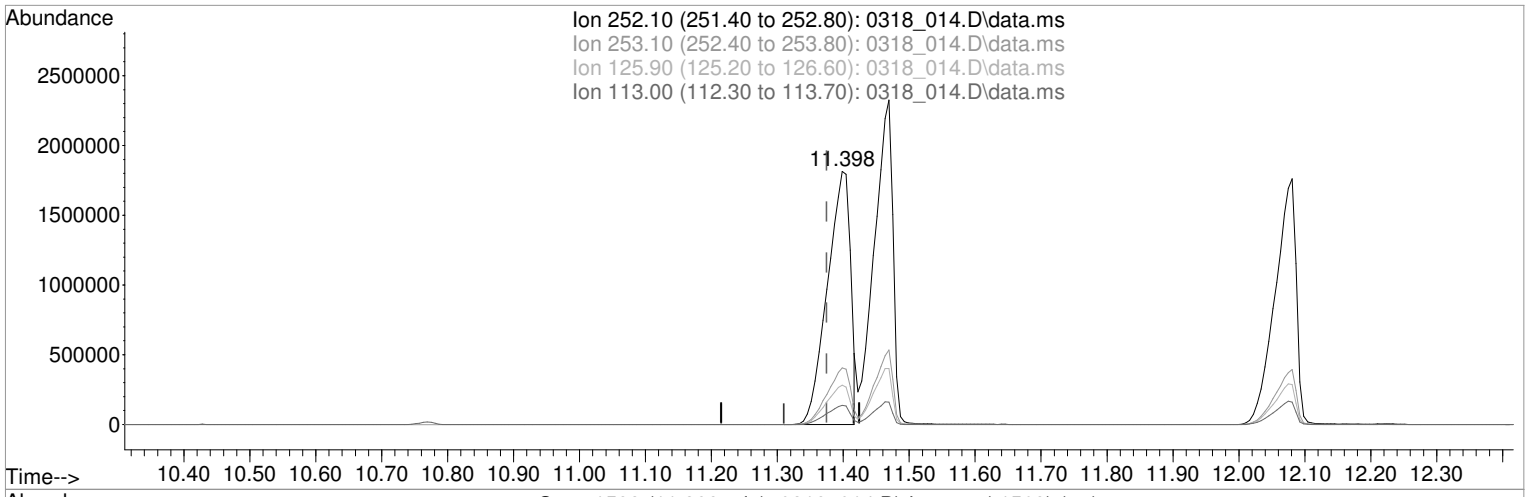
response 1251760

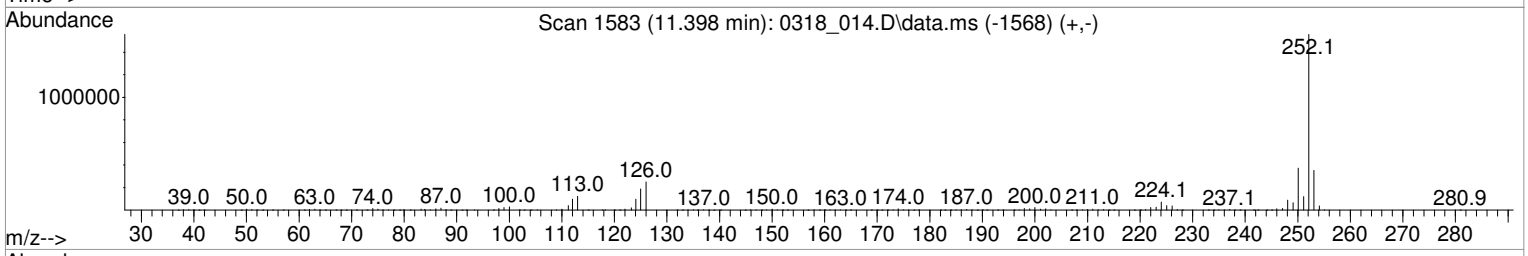
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	49.16
54.10	45.60	43.41
98.10	12.30	12.59

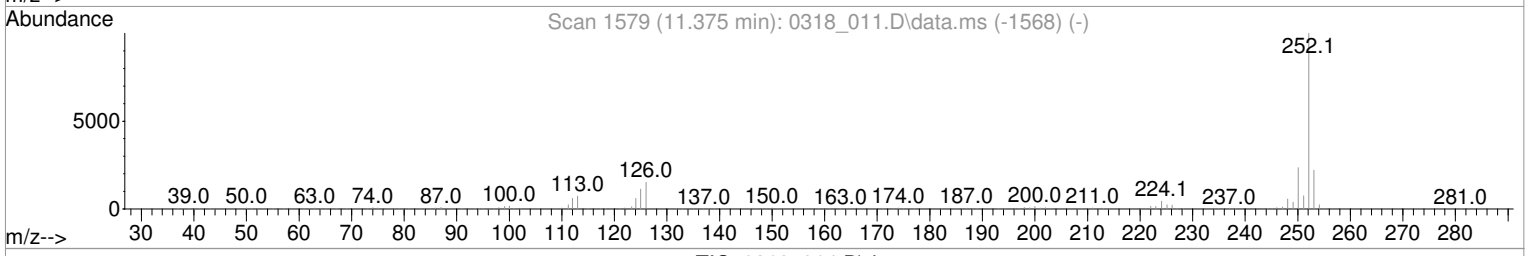
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_014.D
Acq On : 18 Mar 2022 07:35 pm
Operator : 917
Sample : STD SVMS 40K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 22 16:58:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:58:16 2022
Response via : Initial Calibration







TIC: 0318_014.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.398min (+ 0.024) 42621.8603187 ppb

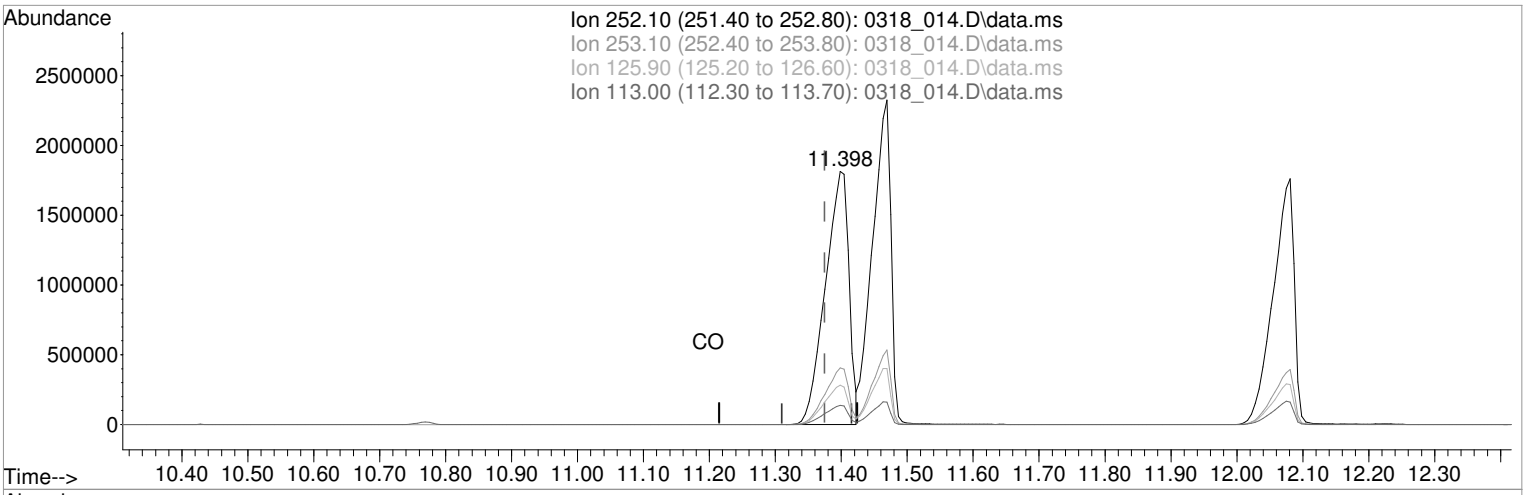
Qvalue = 98

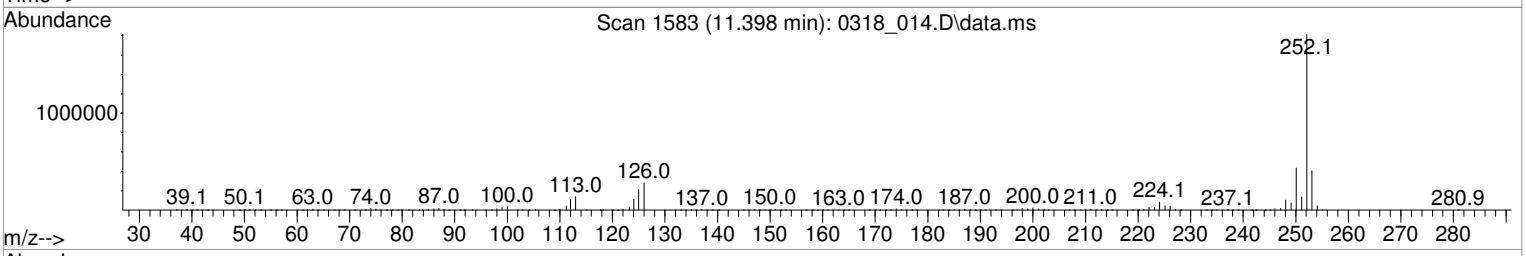
response 4395093

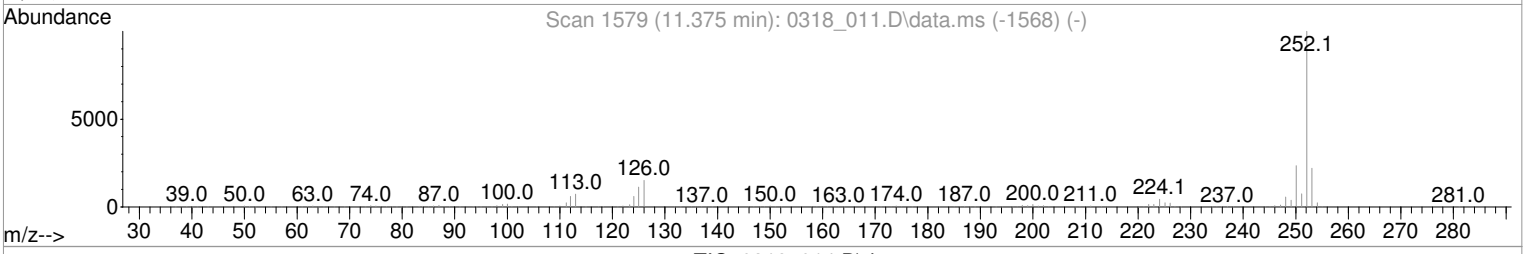
Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.00	22.63
125.90	15.10	16.08
113.00	7.20	7.91

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_014.D
Acq On : 18 Mar 2022 07:35 pm
Operator : 917
Sample : STD SVMS 40K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 22 16:58:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:58:16 2022
Response via : Initial Calibration







TIC: 0318_014.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.398min (+ 0.024) 43418.5570695 ppb m

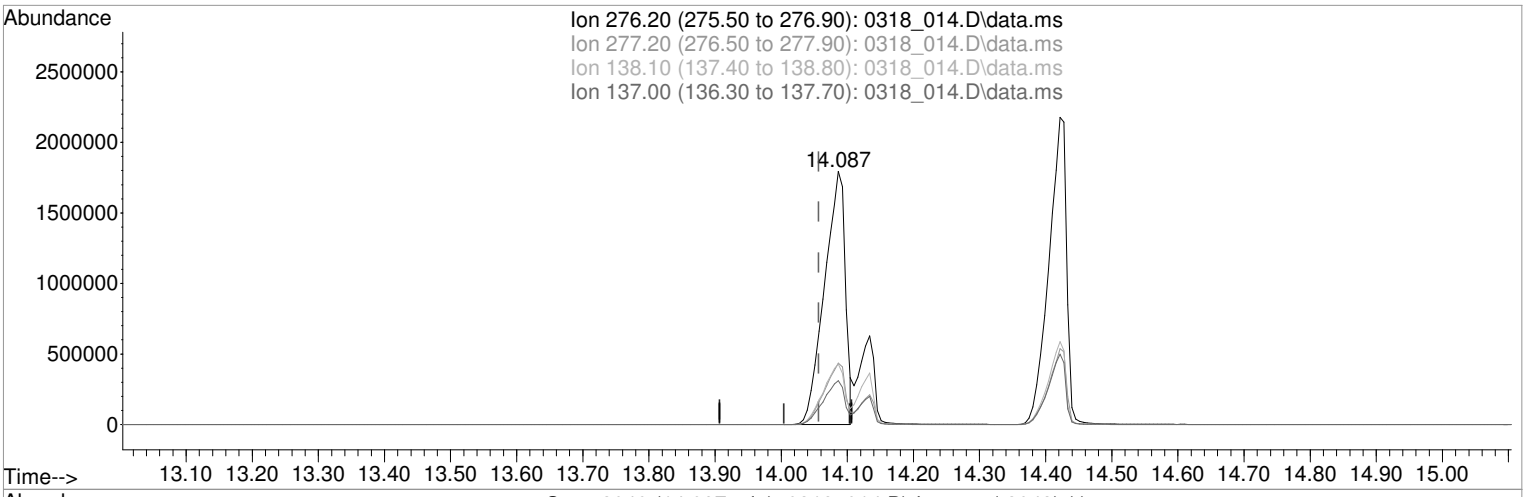
response 4477247

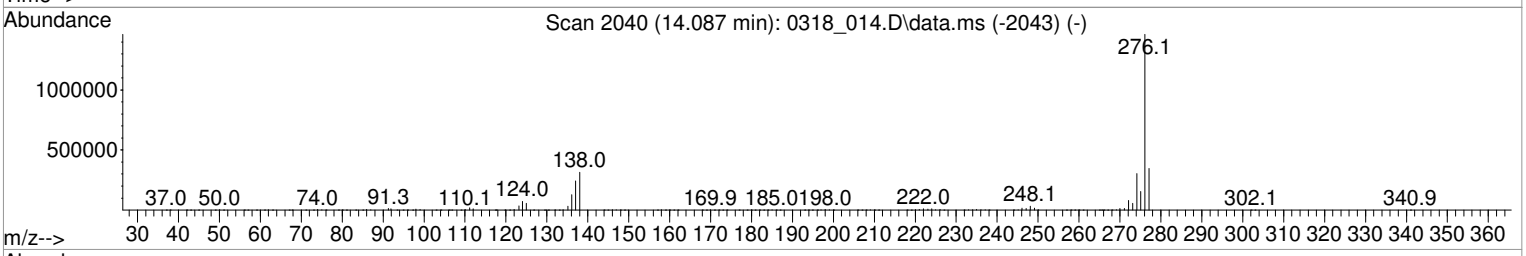
Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.00	22.41
125.90	15.10	15.51
113.00	7.20	7.60

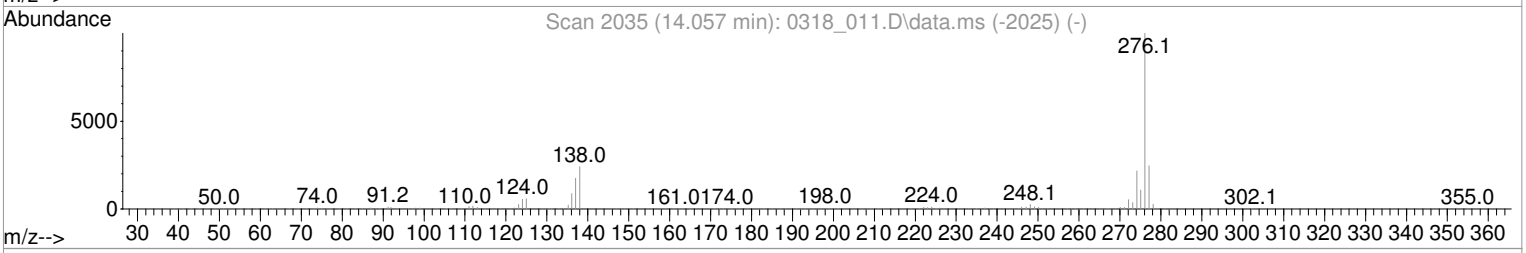
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_014.D
Acq On : 18 Mar 2022 07:35 pm
Operator : 917
Sample : STD SVMS 40K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 22 16:58:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:58:16 2022
Response via : Initial Calibration







TIC: 0318_014.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

14.087min (+ 0.029) 44662.3959029 ppb

Qvalue = 100

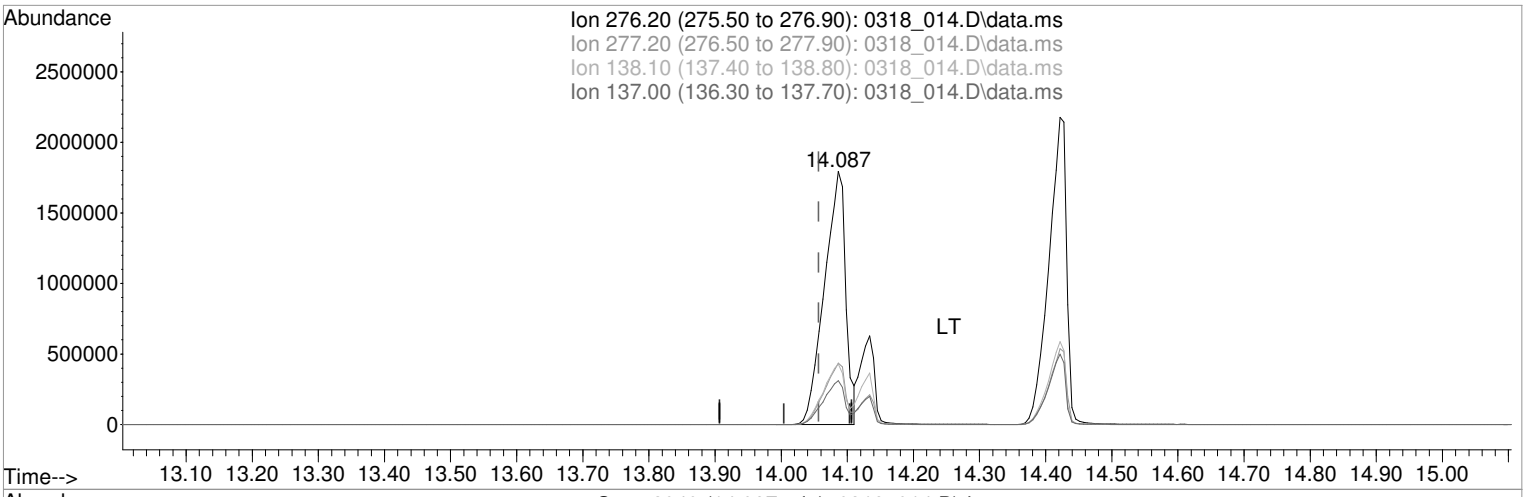
response 3900607

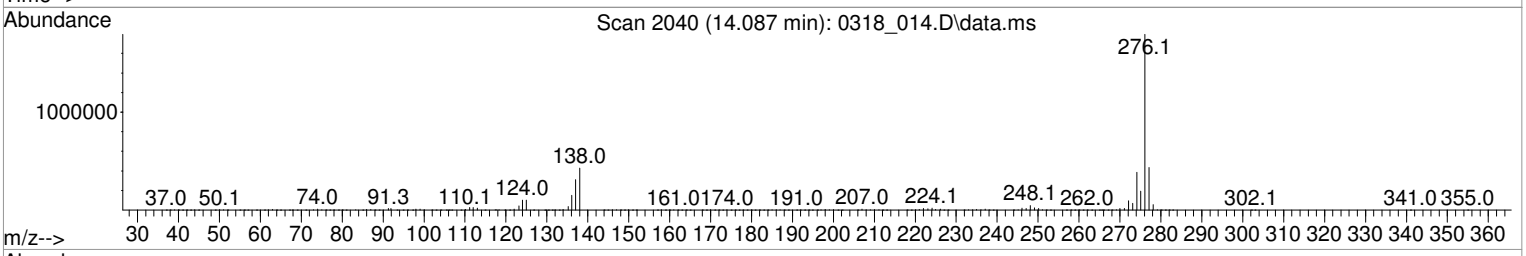
Ion	Exp%	Act%
276.20	100.00	100.00
277.20	24.50	24.30
138.10	24.00	23.89
137.00	17.50	17.34

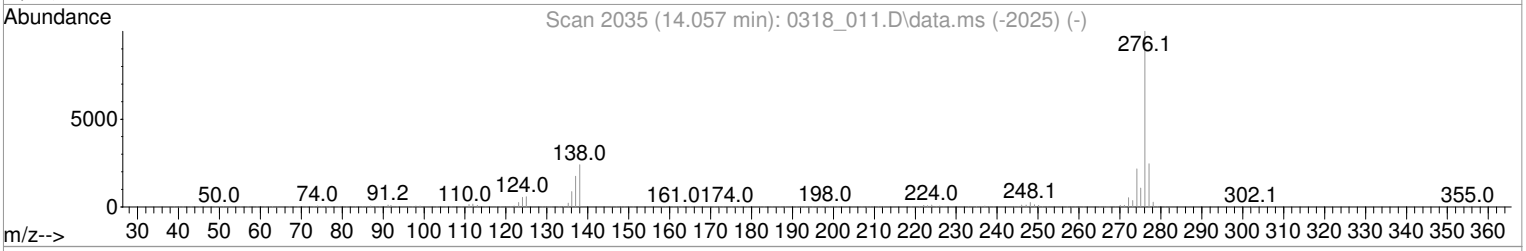
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_014.D
Acq On : 18 Mar 2022 07:35 pm
Operator : 917
Sample : STD SVMS 40K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 22 16:58:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:58:16 2022
Response via : Initial Calibration







TIC: 0318_014.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

14.087min (+ 0.029) 45775.8622658 ppb m

response 3997852

Ion	Exp%	Act%
276.20	100.00	100.00
277.20	24.50	24.30
138.10	24.00	23.89
137.00	17.50	17.34

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_015.D
Acq On : 18 Mar 2022 07:56 pm
Operator : 917
Sample : STD SVMS 50K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 22 17:00:12 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 17:00:09 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.428	152	202379	8000.0000000 ppb		0.00
23) Naphthalene-d8	4.181	136	763858	8000.0000000 ppb		0.00
46) Acenaphthene-d10	5.363	164	436694	8000.0000000 ppb		0.00
70) Phenanthrene-d10	6.505	188	820825	8000.0000000 ppb		0.01
84) Chrysene-d12	9.410	240	772621	8000.0000000 ppb		0.02
94) Perylene-d12	12.181	264	735568	8000.0000000 ppb		0.02
System Monitoring Compounds						
4) 2-Fluorophenol	2.734	112	1582431	52468.3439092 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 1311.71%#			
7) Phenol-d5	3.199	99	2040530	53255.1135908 ppb		0.01
Spiked Amount 4000.000	Range 10 - 120		Recovery = 1331.38%#			
24) Nitrobenzene-d5	3.746	82	1658500m	52846.5141896 ppb		0.01
Spiked Amount 2000.000	Range 10 - 126		Recovery = 2642.33%#			
50) 2-Fluorobiphenyl	4.875	172	3671321	50242.3458154 ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 2512.12%#			
73) 2,4,6-Tribromophenol	5.957	330	619247	64049.7832478 ppb		0.01
Spiked Amount 4000.000	Range 10 - 153		Recovery = 1601.24%#			
87) p-Terphenyl-d14	7.957	244	5064016	50553.6598243 ppb		0.01
Spiked Amount 2000.000	Range 29 - 141		Recovery = 2527.68%#			
Target Compounds						Qvalue
2) Pyridine	2.175	79	1574306	50710.4500001 ppb		100
3) N-Nitrosodimethylamine	2.152	42	652668	48153.1764770 ppb		95
5) Aniline	3.246	66	808082	52024.8332800 ppb		99
6) bis(2-Chloroethyl)ether	3.269	93	1468637	47770.0037247 ppb		95
8) Phenol	3.205	94	2047024	53106.1912519 ppb		99
10) 2-Chlorophenol	3.311	128	1824469	53797.6502908 ppb		95
11) n-Decane	3.311	41	592254	42072.3252255 ppb		93
12) 1,3-Dichlorobenzene	3.399	146	1910551	51461.5492969 ppb		98
13) 1,4-Dichlorobenzene	3.434	146	1949541	50937.7631378 ppb		95
14) Benzyl Alcohol	3.493	79	1344707	52338.8313047 ppb		98
15) 1,2-Dichlorobenzene	3.522	146	1825797	50939.0251629 ppb		95
16) bis(2-Chloroisopropyl)...	3.563	121	593469	51545.6927933 ppb	#	89
17) 2,2-oxybis(1-chloropro...	3.563	121	593469	51545.6927933 ppb	#	89
18) 2-Methylphenol	3.540	108	1540743	52674.2151477 ppb		98
19) Hexachloroethane	3.722	117	772622	52213.8282300 ppb	#	88
20) N-Nitrosodi-n-propylamine	3.652	70	1134631	51700.2158240 ppb		98
21) 3&4-Methyl phenol	3.634	107	1743958	52191.3080145 ppb		98
25) Nitrobenzene	3.758	77	1647507	52908.3355836 ppb		93
26) Isophorone	3.899	82	3053615	50975.5898353 ppb		95
27) 2-Nitrophenol	3.940	139	972451	61278.4225935 ppb		87
28) 2,4-Dimethylphenol	3.946	107	1769145	54153.3232409 ppb		97
29) bis(2-Chlorethoxy)methane	4.011	93	1910145	51593.2213112 ppb		96
30) 2,4-Dichlorophenol	4.087	162	1489602	55022.8769001 ppb		93
32) 1,2,4-Trichlorobenzene	4.140	180	1628342	52630.3161082 ppb		99
34) Naphthalene	4.193	128	4646749	47468.0988140 ppb		96
35) 4-Chloroaniline	4.216	65	530364	51486.9768667 ppb		98
36) Hexachloro-1,3-butadiene	4.258	225	950112	52728.8759033 ppb		97

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_015.D
Acq On : 18 Mar 2022 07:56 pm
Operator : 917
Sample : STD SVMS 50K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 12 Sample Multiplier: 1

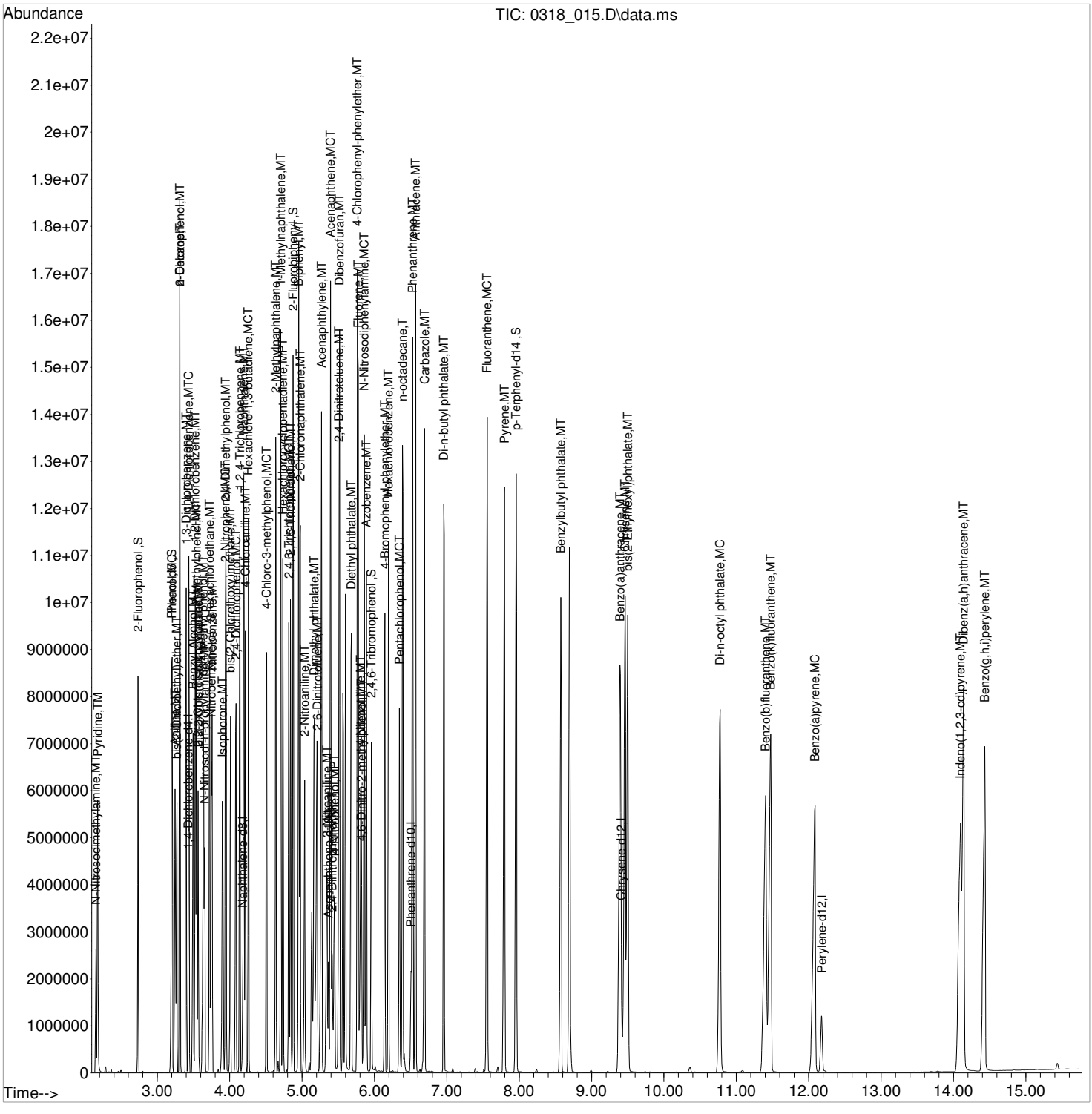
Quant Time: Mar 22 17:00:12 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 17:00:09 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40) 4-Chloro-3-methylphenol	4.511	107	1498711	56582.0836924 ppb		90
41) 2-Methylnaphthalene	4.634	142	3317549	50396.8166600 ppb		97
42) 1-Methylnaphthalene	4.705	142	3120023	50288.7238994 ppb		99
47) Hexachlorocyclopentadiene	4.734	237	1273405	58140.2023202 ppb		97
48) 2,4,6-Trichlorophenol	4.816	196	1105170	58461.9497494 ppb		99
49) 2,4,5-Trichlorophenol	4.840	196	1179638	58191.5955350 ppb		97
51) Biphenyl	4.952	154	3943570	48927.9605022 ppb		96
52) 2-Chloronaphthalene	4.975	162	3216008	52387.4058404 ppb		98
53) 2-Nitroaniline	5.034	138	1147364	60334.9584229 ppb		99
54) Acenaphthylene	5.269	152	4737922	49591.3856959 ppb		95
55) Dimethyl phthalate	5.169	163	3642831	51042.9153933 ppb		98
56) 2,6-Dinitrotoluene	5.210	165	905656	59241.8639007 ppb		89
57) 3-Nitroaniline	5.346	138	972491	56970.4575984 ppb		91
58) Acenaphthene	5.393	153	3237727	50183.5127738 ppb		97
59) 2,4-Dinitrophenol	5.416	184	487057	75919.0061325 ppb	#	1
60) Dibenzofuran	5.516	168	4518096	50624.7222979 ppb		96
61) 2,4-Dinitrotoluene	5.510	165	1257728	64914.3432272 ppb		92
63) 4-Nitrophenol	5.446	139	786528	61318.4758733 ppb		96
64) Fluorene	5.775	166	3832183	50929.5272724 ppb		99
65) 4-Chlorophenyl-phenyle...	5.763	204	1904655	52247.8397111 ppb		92
66) Diethyl phthalate	5.681	149	3702395	52436.6387529 ppb		97
67) 4-Nitroaniline	5.810	138	1068425	58444.3425890 ppb		97
68) Azobenzene	5.887	77	3480651	49741.5205500 ppb		94
71) 4,6-Dinitro-2-methylph...	5.822	198	664323	80504.9207057 ppb		97
72) N-Nitrosodiphenylamine	5.857	169	3294890	52265.1841850 ppb		99
74) 4-Bromophenyl-phenylether	6.146	248	1182984	56284.8407459 ppb	#	86
75) Hexachlorobenzene	6.193	284	1273568	54628.5529073 ppb		99
76) n-octadecane	6.387	55	452281	50343.5089549 ppb	#	92
77) Pentachlorophenol	6.346	266	754026	68519.3506847 ppb		99
78) Phenanthrene	6.528	178	5255410	47456.2160519 ppb		94
79) Anthracene	6.569	178	5312640	48643.4334625 ppb		94
80) Carbazole	6.693	167	5077524	50225.4513021 ppb		97
81) Di-n-butyl phthalate	6.957	149	6090408	50934.0459922 ppb		96
83) Fluoranthene	7.557	202	5889250	50589.2400229 ppb		95
86) Pyrene	7.799	202	6063628	48212.1698870 ppb		96
88) Benzylbutyl phthalate	8.575	149	2979601	56148.6728727 ppb		97
90) Benzo(a)anthracene	9.393	228	5897731	47522.4770329 ppb		97
91) Chrysene	9.463	228	5602321	49242.7918803 ppb		96
92) bis(2-Ethylhexyl)phtha...	9.498	149	4316051	57005.4907940 ppb		97
93) Di-n-octyl phthalate	10.775	149	7091159	58581.0240580 ppb		98
95) Benzo(b)fluoranthene	11.404	252	5738458m	54118.1934748 ppb		
96) Benzo(k)fluoranthene	11.475	252	5702097	53495.2981664 ppb		99
97) Benzo(a)pyrene	12.087	252	5053225	54846.9967021 ppb		99
98) Indeno(1,2,3-cd)pyrene	14.098	276	5350947m	59199.2601041 ppb		
99) Dibenz(a,h)anthracene	14.139	278	5628910	58203.5749856 ppb		97
100) Benzo(g,h,i)perylene	14.434	276	5247945	54335.2570387 ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_015.D
Acq On : 18 Mar 2022 07:56 pm
Operator : 917
Sample : STD SVMS 50K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 12 Sample Multiplier: 1

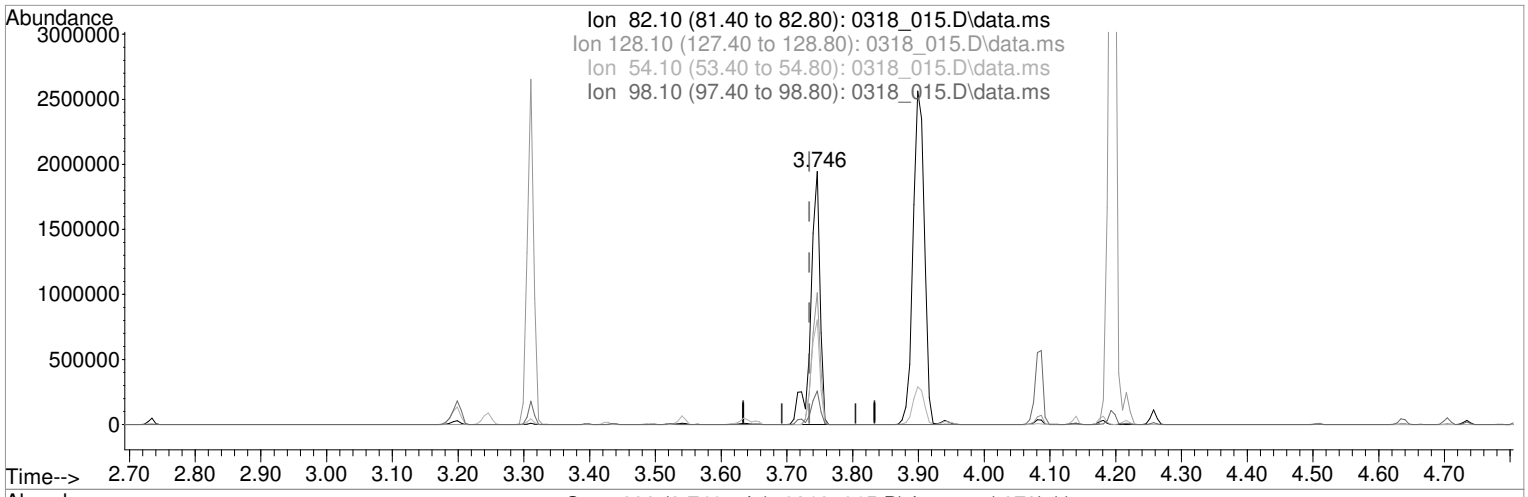
Quant Time: Mar 22 17:00:12 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 17:00:09 2022
Response via : Initial Calibration

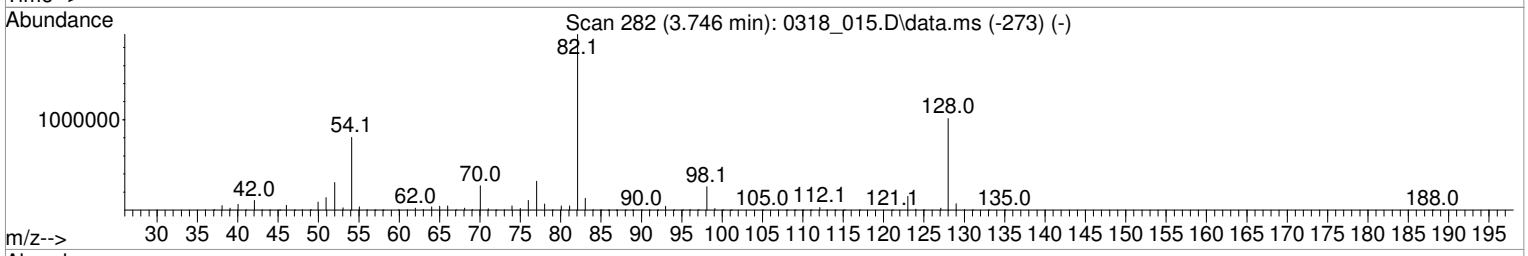


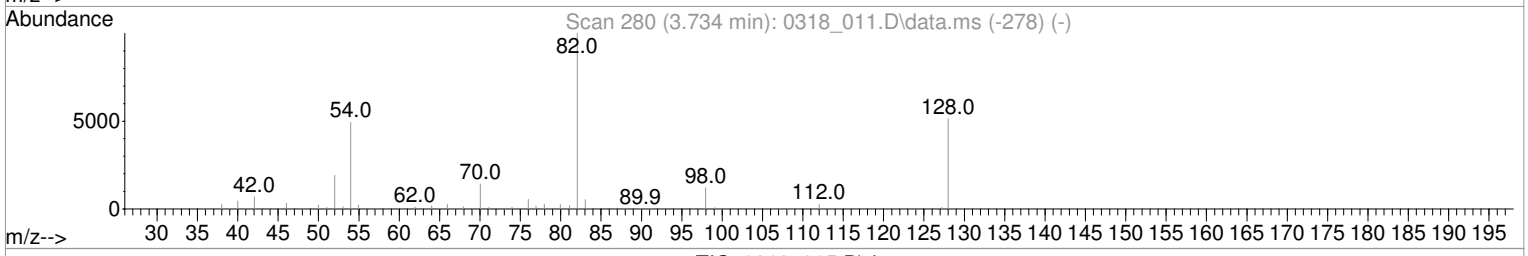
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_015.D
Acq On : 18 Mar 2022 07:56 pm
Operator : 917
Sample : STD SVMS 50K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 22 17:00:12 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 17:00:09 2022
Response via : Initial Calibration







TIC: 0318_015.D\data.ms

(24) Nitrobenzene-d5 (S)

3.746min (+ 0.012) 60313.4064110 ppb

Qvalue = 94

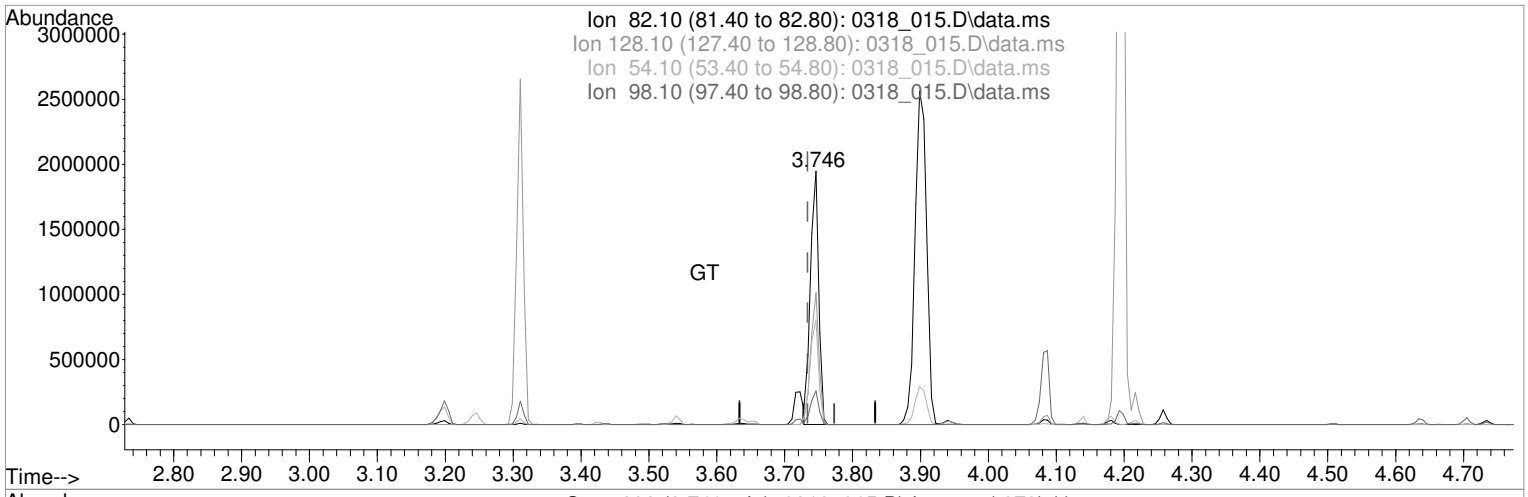
response 1892836

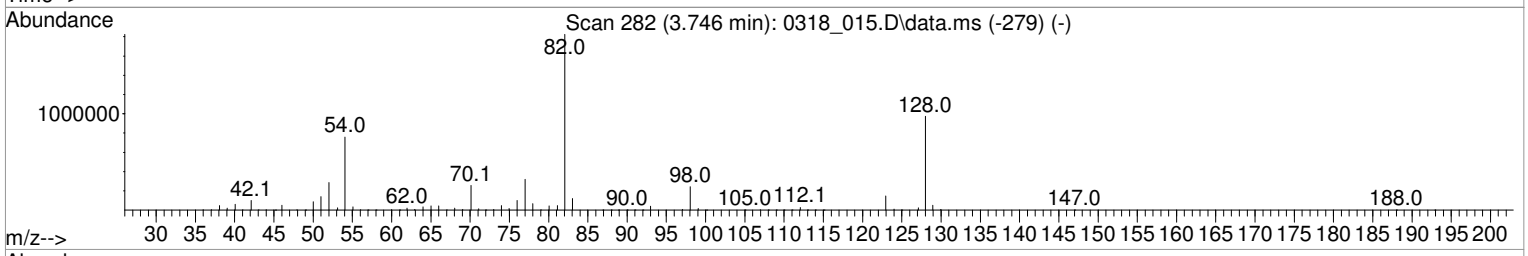
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	52.13
54.10	45.60	41.38
98.10	12.30	13.25

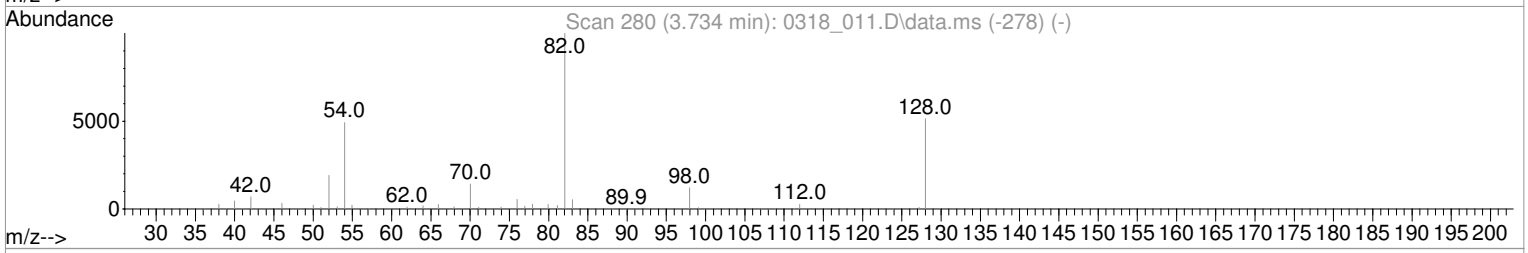
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_015.D
Acq On : 18 Mar 2022 07:56 pm
Operator : 917
Sample : STD SVMS 50K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 22 17:00:12 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 17:00:09 2022
Response via : Initial Calibration







TIC: 0318_015.D\data.ms

(24) Nitrobenzene-d5 (S)

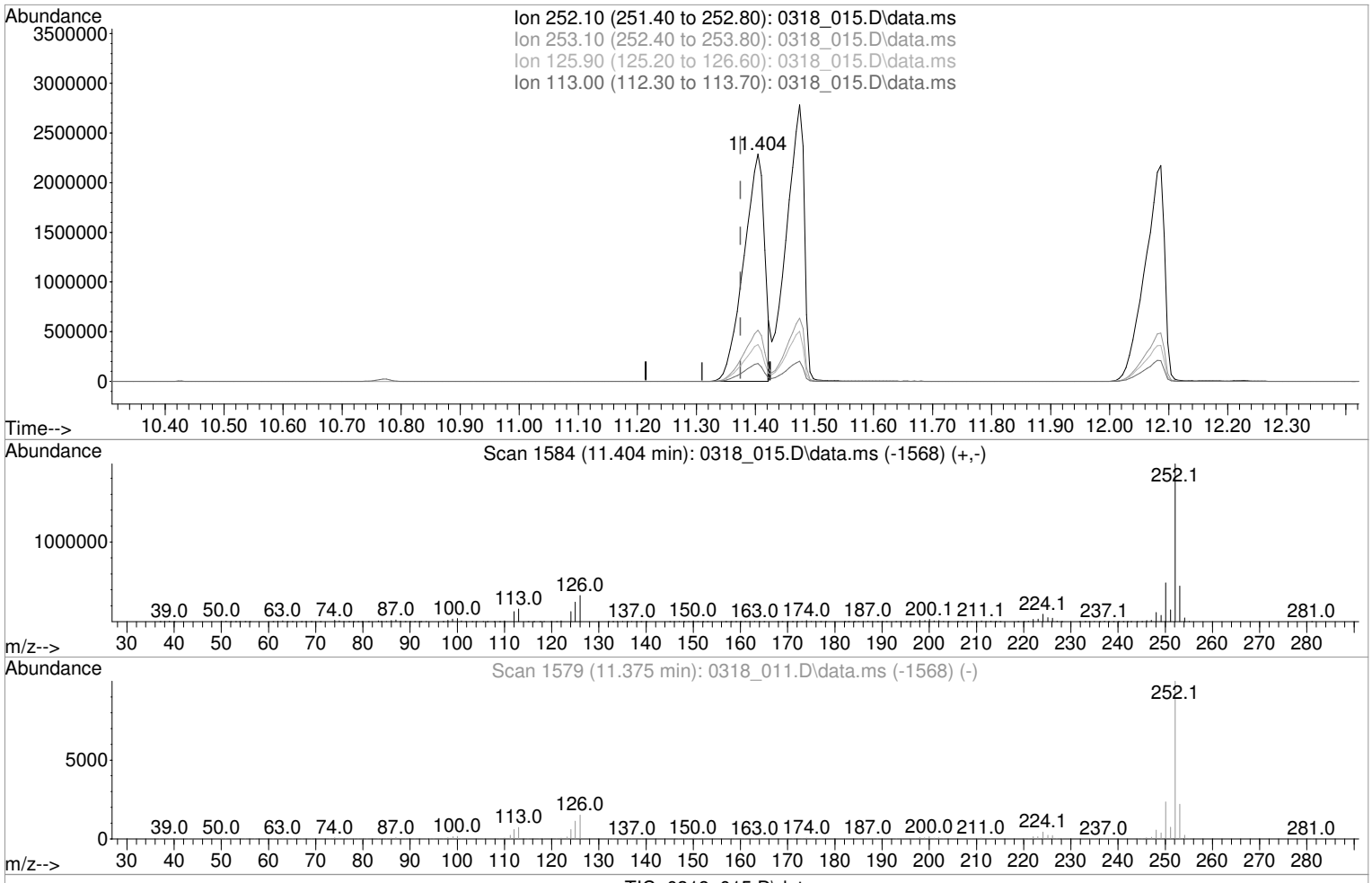
3.746min (+ 0.012) 52846.5141896 ppb m

response 1658500

Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	52.13
54.10	45.60	41.39
98.10	12.30	13.25

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_015.D
Acq On : 18 Mar 2022 07:56 pm
Operator : 917
Sample : STD SVMS 50K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 22 17:00:12 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 17:00:09 2022
Response via : Initial Calibration



TIC: 0318_015.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.404min (+ 0.029) 52798.8447872 ppb

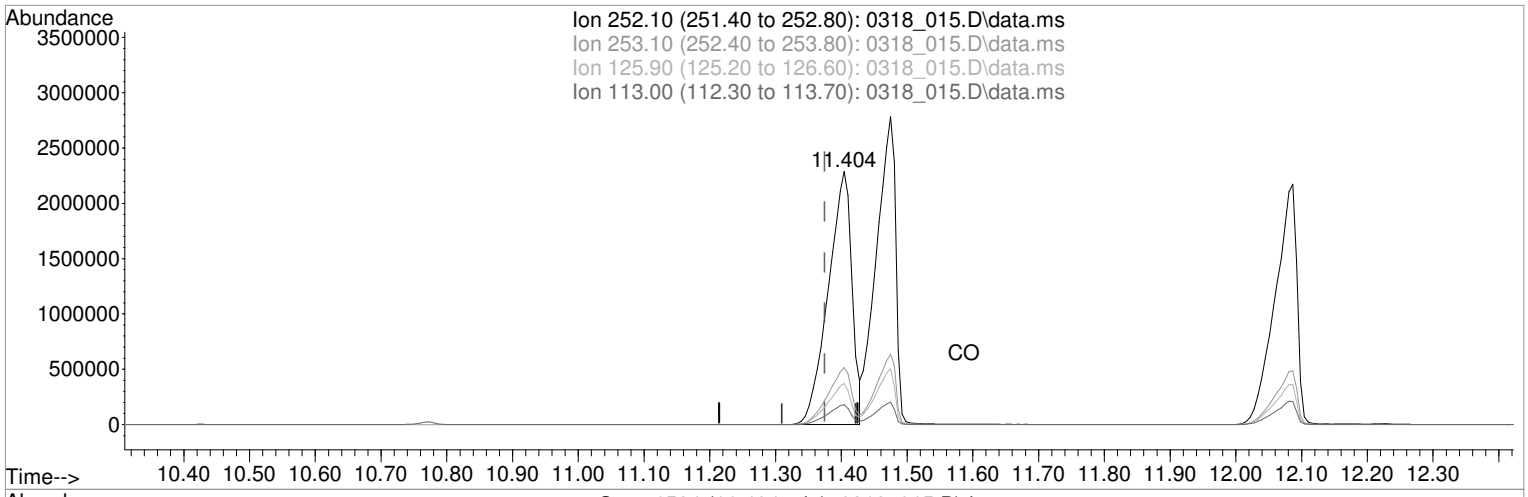
Qvalue = 98

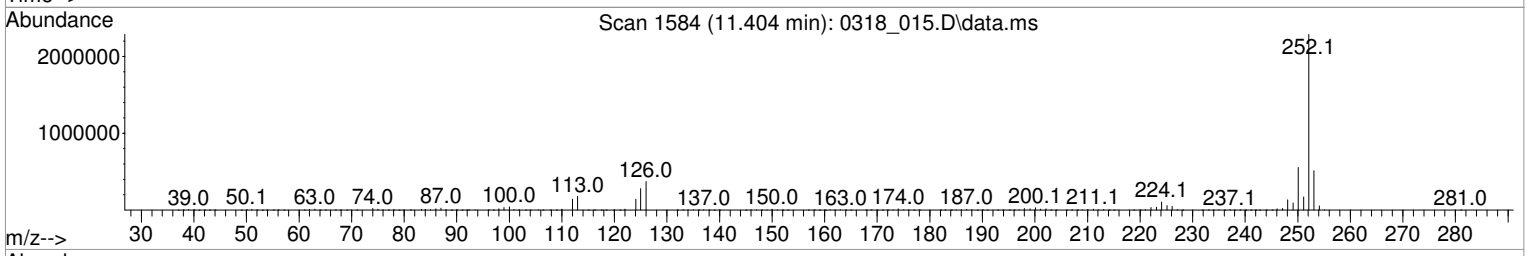
response 5598560

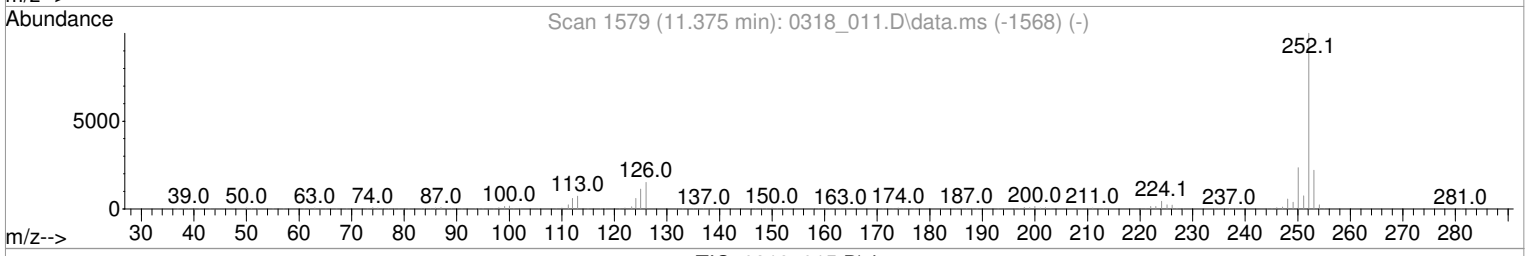
Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.00	22.60
125.90	15.10	16.55
113.00	7.20	8.07

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_015.D
Acq On : 18 Mar 2022 07:56 pm
Operator : 917
Sample : STD SVMS 50K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 22 17:00:12 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 17:00:09 2022
Response via : Initial Calibration







TIC: 0318_015.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.404min (+ 0.029) 54118.1934748 ppb m

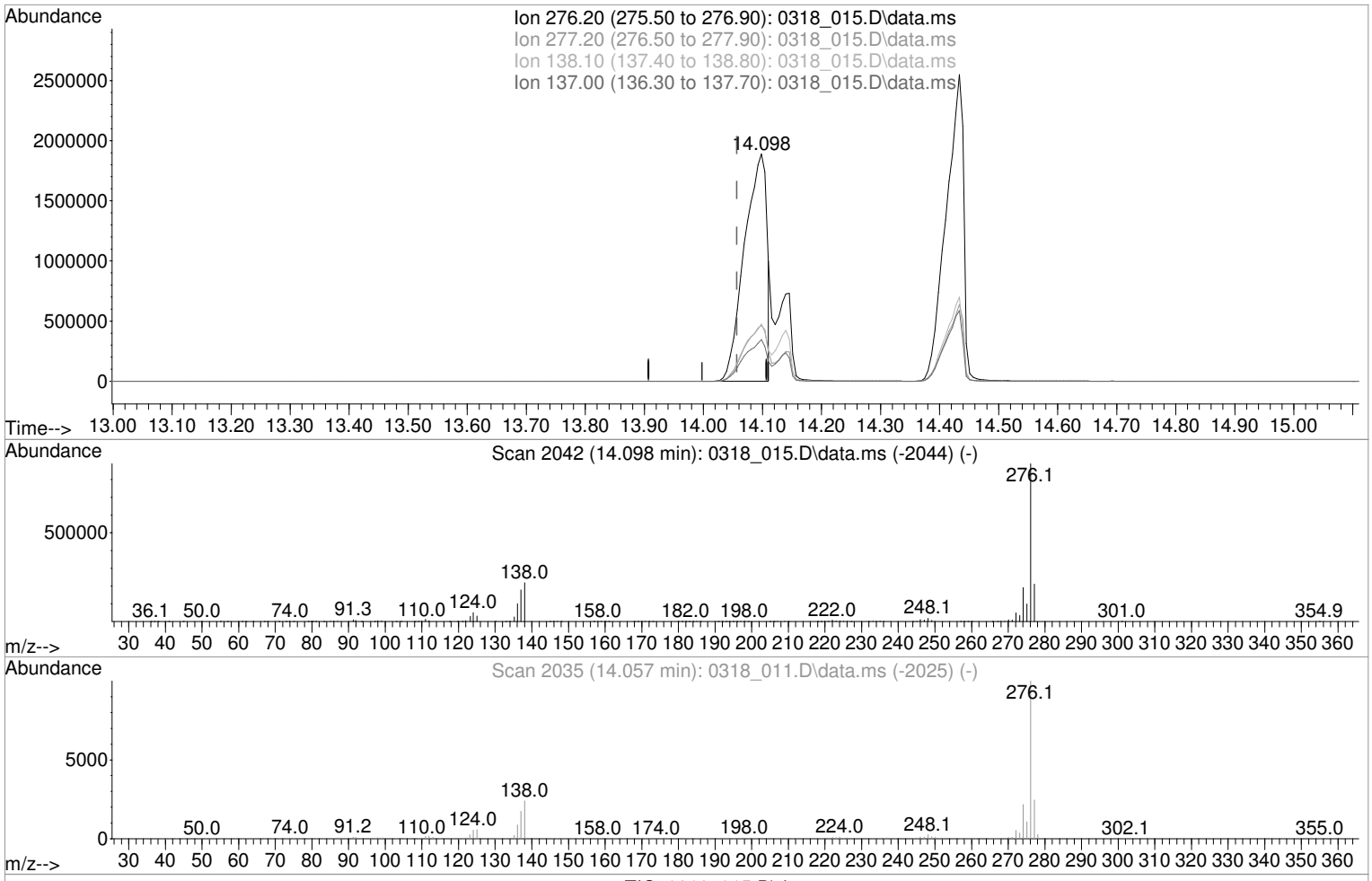
response 5738458

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.00	22.46
125.90	15.10	16.17
113.00	7.20	7.82

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_015.D
Acq On : 18 Mar 2022 07:56 pm
Operator : 917
Sample : STD SVMS 50K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 22 17:00:12 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 17:00:09 2022
Response via : Initial Calibration



TIC: 0318_015.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

14.098min (+ 0.041) 55304.0296909 ppb

Qvalue = 99

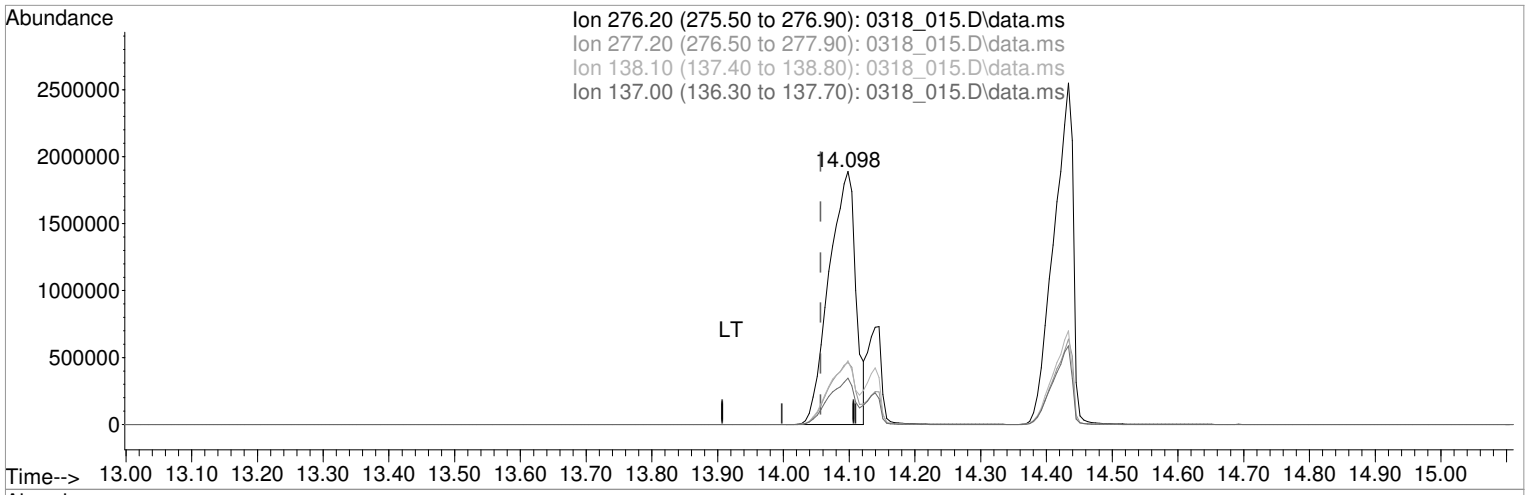
response 4998862

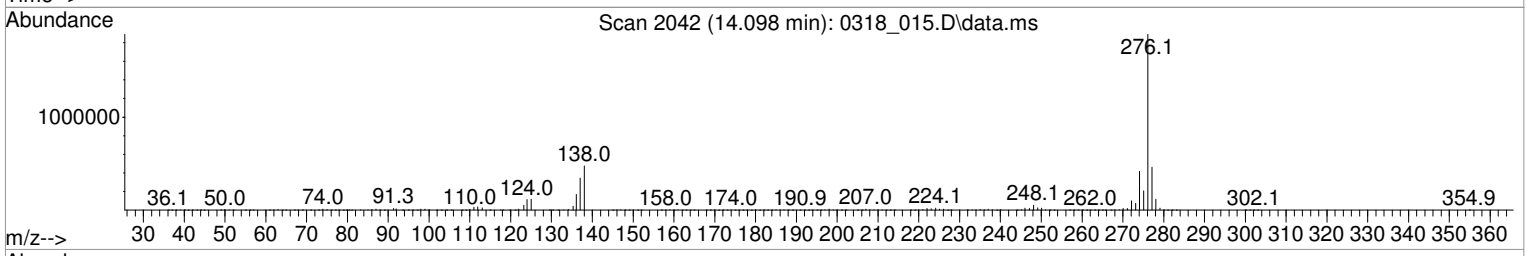
Ion	Exp%	Act%
276.20	100.00	100.00
277.20	24.50	24.49
138.10	24.00	25.15
137.00	17.50	18.30

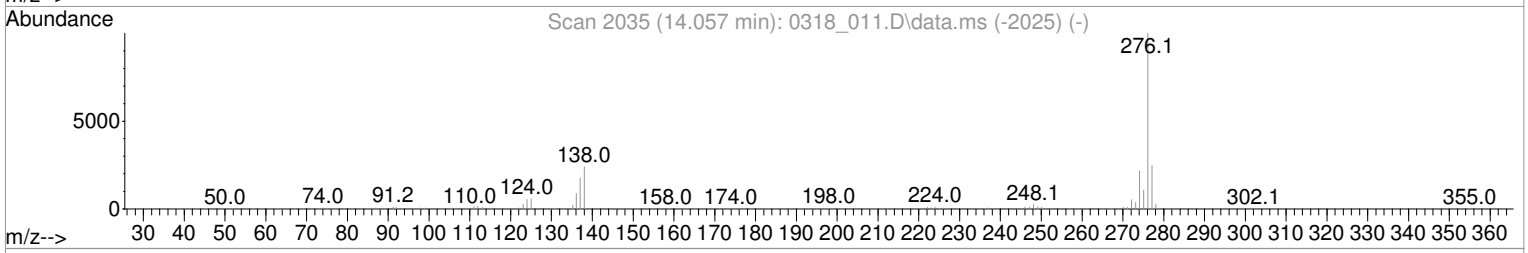
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_015.D
Acq On : 18 Mar 2022 07:56 pm
Operator : 917
Sample : STD SVMS 50K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 22 17:00:12 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 17:00:09 2022
Response via : Initial Calibration







TIC: 0318_015.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

14.098min (+ 0.041) 59199.2601041 ppb m

response 5350947

Ion	Exp%	Act%
276.20	100.00	100.00
277.20	24.50	24.49
138.10	24.00	25.15
137.00	17.50	18.30

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_016.D
Acq On : 18 Mar 2022 08:17 pm
Operator : 917
Sample : STD TCL 1K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 13 Sample Multiplier: 1

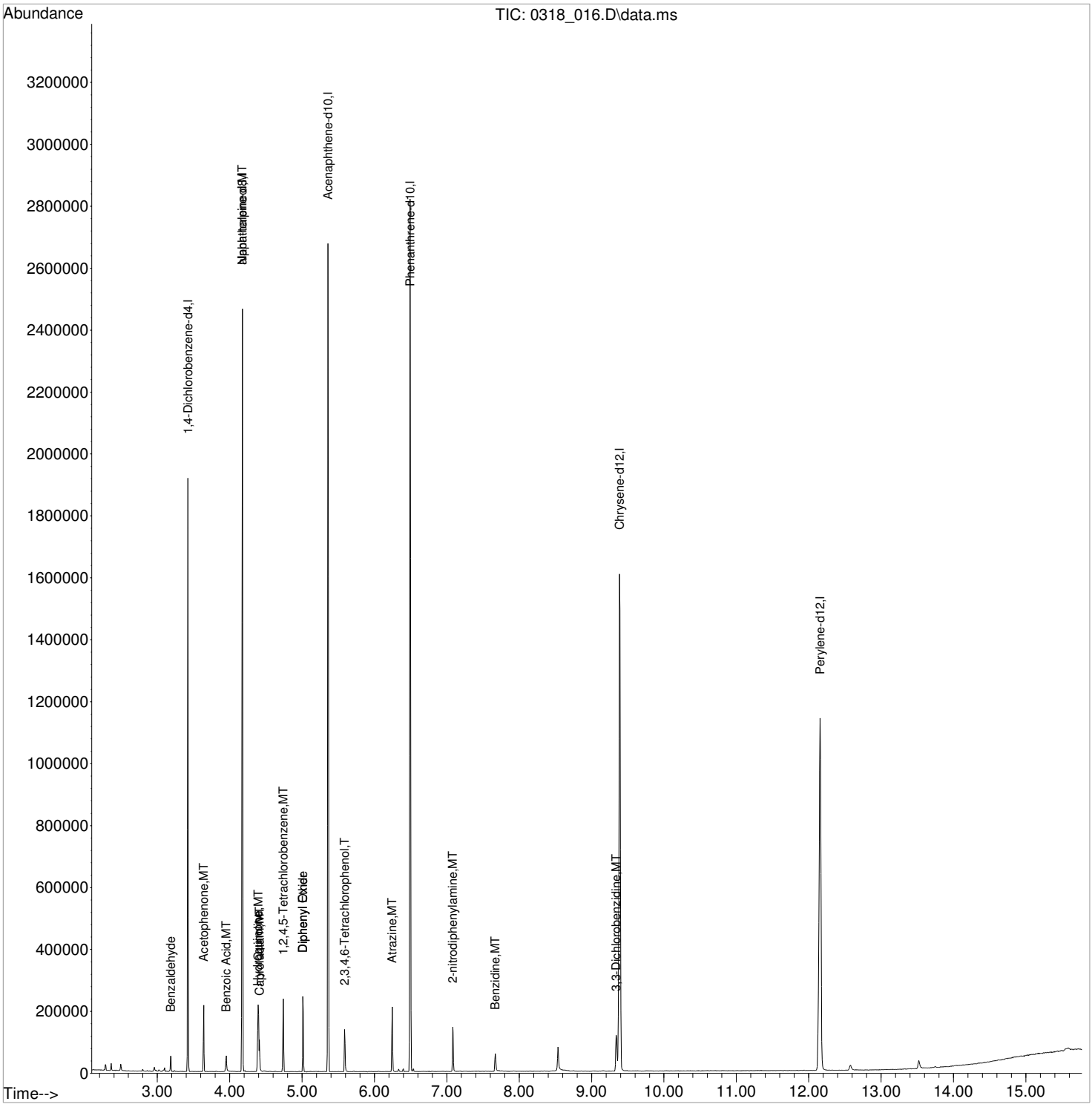
Quant Time: Mar 23 09:02:15 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 17:02:59 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.423	152	195958	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.175	136	745538	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.358	164	434147	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.493	188	828069	8000.0000000	ppb		0.00
84) Chrysene-d12	9.387	240	722760	8000.0000000	ppb		0.00
94) Perylene-d12	12.157	264	719340	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.187	105	8089	1043.1635099	ppb		97
22) Acetophenone	3.640	105	42361	1006.8322096	ppb		99
31) Benzoic Acid	3.952	105	13646	873.4201364	ppb		82
33) alpha-terpineol	4.175	59	21338	1190.8767938	ppb		97
37) Hydroquinone	4.387	110	30739	1040.8537006	ppb		99
38) Quinoline	4.393	129	61458	1154.2273930	ppb		98
39) Caprolactam	4.411	113	9645	1051.4229683	ppb	#	82
43) 1,2,4,5-Tetrachloroben...	4.740	216	30339	1196.5772726	ppb		99
44) Diphenyl Ether	5.011	170	42071	1176.8944022	ug/ml		99
45) Diphenyl Oxide	5.011	170	42071	1176.8944022	ug/ml		99
62) 2,3,4,6-Tetrachlorophenol	5.587	232	14079	927.8089609	ppb		83
69) Atrazine	6.246	200	19997	957.3285345	ppb	#	100
82) 2-nitrodiphenylamine	7.081	167	17350	752.0807531	ppb		96
85) Benzidine	7.669	184	28095	598.8091824	ppb	#	100
89) 3,3-Dichlorobenzidine	9.340	252	36778	939.1898236	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_016.D
Acq On : 18 Mar 2022 08:17 pm
Operator : 917
Sample : STD TCL 1K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 23 09:02:15 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 17:02:59 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_017.D
Acq On : 18 Mar 2022 08:39 pm
Operator : 917
Sample : STD TCL 2K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 14 Sample Multiplier: 1

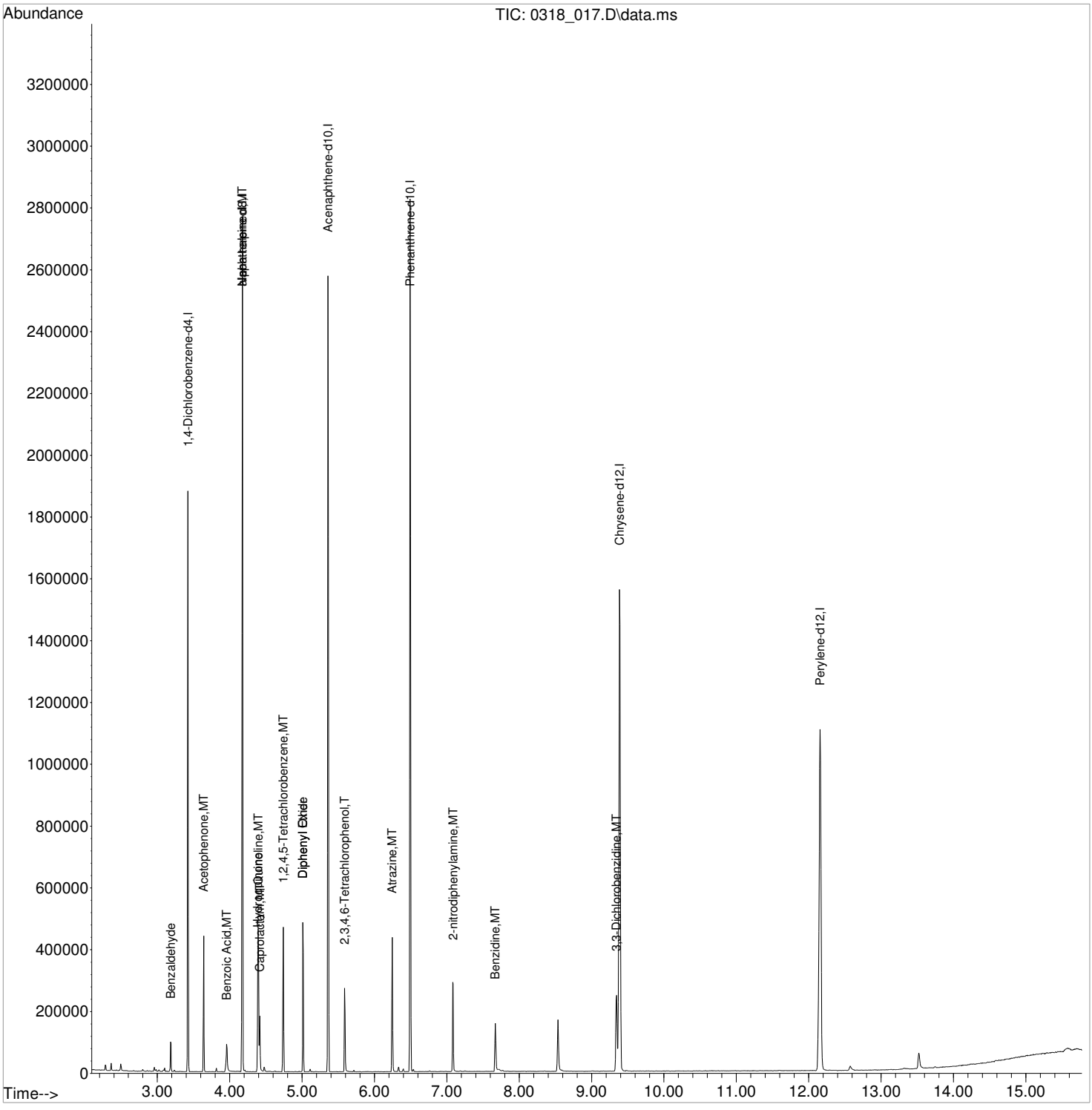
Quant Time: Mar 23 09:03:22 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:03:19 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.422	152	191201	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.175	136	761237	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.358	164	429120	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.493	188	808712	8000.0000000	ppb	0.00
84) Chrysene-d12	9.387	240	733443	8000.0000000	ppb	0.00
94) Perylene-d12	12.157	264	710286	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb	
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#		
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb	
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#		
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb	
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
9) Benzaldehyde	3.187	105	15595	2017.6351790	ppb	98
22) Acetophenone	3.640	105	82981	2014.4724522	ppb	100
31) Benzoic Acid	3.958	105	29525	1975.8430631	ppb	87
33) alpha-terpineol	4.175	59	42472	2119.2284207	ppb	99
37) Hydroquinone	4.387	110	64386	2092.4708595	ppb	97
38) Quinoline	4.393	129	123218	2104.1439910	ppb	99
39) Caprolactam	4.417	113	20259	2108.7151082	ppb	93
43) 1,2,4,5-Tetrachloroben...	4.740	216	59914	2107.1779254	ppb	99
44) Diphenyl Ether	5.011	170	82200	2069.0405774	ug/ml	98
45) Diphenyl Oxide	5.011	170	82200	2069.0405774	ug/ml	98
62) 2,3,4,6-Tetrachlorophenol	5.587	232	27978	1935.2071894	ppb	83
69) Atrazine	6.246	200	39404	1950.1175201	ppb #	100
82) 2-nitrodiphenylamine	7.087	167	36553	1851.9810466	ppb	97
85) Benzidine	7.669	184	73047	1919.2117875	ppb #	100
89) 3,3-Dichlorobenzidine	9.346	252	75317	1954.7701394	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_017.D
Acq On : 18 Mar 2022 08:39 pm
Operator : 917
Sample : STD TCL 2K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 23 09:03:22 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:03:19 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_018.D
Acq On : 18 Mar 2022 09:00 pm
Operator : 917
Sample : STD TCL 5K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 15 Sample Multiplier: 1

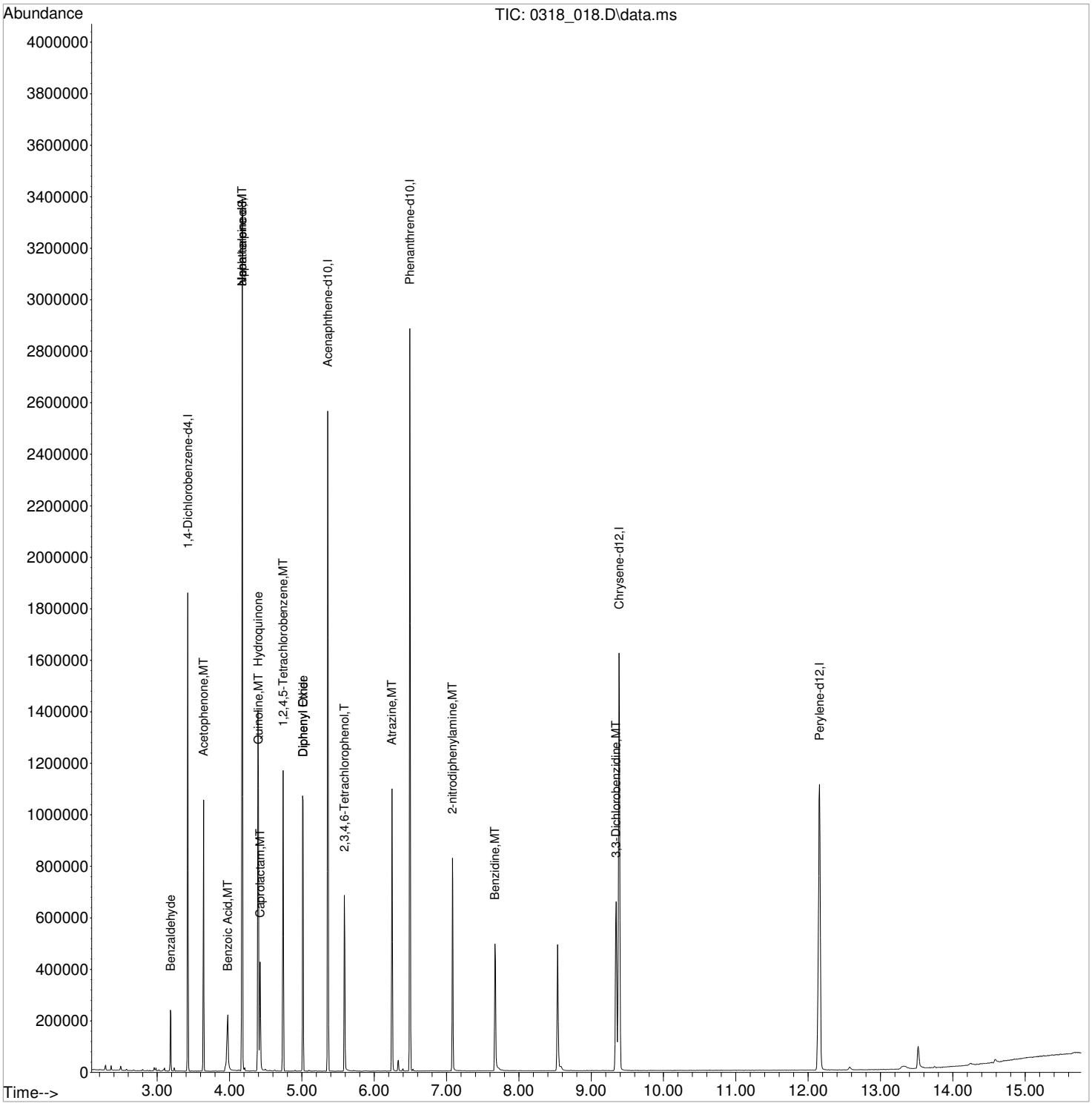
Quant Time: Mar 23 09:04:23 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:04:20 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.422	152	192452	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.175	136	789110	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.358	164	431161	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.493	188	831797	8000.0000000	ppb	0.00
84) Chrysene-d12	9.387	240	728184	8000.0000000	ppb	0.00
94) Perylene-d12	12.157	264	707914	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb	
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#		
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb	
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#		
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb	
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
9) Benzaldehyde	3.187	105	37597	4818.4081072	ppb	98
22) Acetophenone	3.640	105	201603	4850.6629662	ppb	99
31) Benzoic Acid	3.975	105	80902	5243.9218064	ppb	88
33) alpha-terpineol	4.175	59	101394	4785.4660666	ppb	98
37) Hydroquinone	4.393	110	161807	4995.8042256	ppb	98
38) Quinoline	4.399	129	304786	4935.2043261	ppb	98
39) Caprolactam	4.422	113	52035	5131.9118156	ppb	96
43) 1,2,4,5-Tetrachloroben...	4.740	216	144852	4828.2573300	ppb	100
44) Diphenyl Ether	5.016	170	201548	4838.2603533	ug/ml	99
45) Diphenyl Oxide	5.016	170	201548	4838.2603533	ug/ml	99
62) 2,3,4,6-Tetrachlorophenol	5.587	232	71104	4948.3394924	ppb	82
69) Atrazine	6.246	200	100767	5004.9966979	ppb #	100
82) 2-nitrodiphenylamine	7.081	167	99887	5044.8395517	ppb	99
85) Benzidine	7.669	184	217091	5823.3775004	ppb #	100
89) 3,3-Dichlorobenzidine	9.346	252	191076	5032.9232619	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_018.D
Acq On : 18 Mar 2022 09:00 pm
Operator : 917
Sample : STD TCL 5K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 23 09:04:23 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:04:20 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_019.D
Acq On : 18 Mar 2022 09:22 pm
Operator : 917
Sample : MSTD TCL 10K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 16 Sample Multiplier: 1

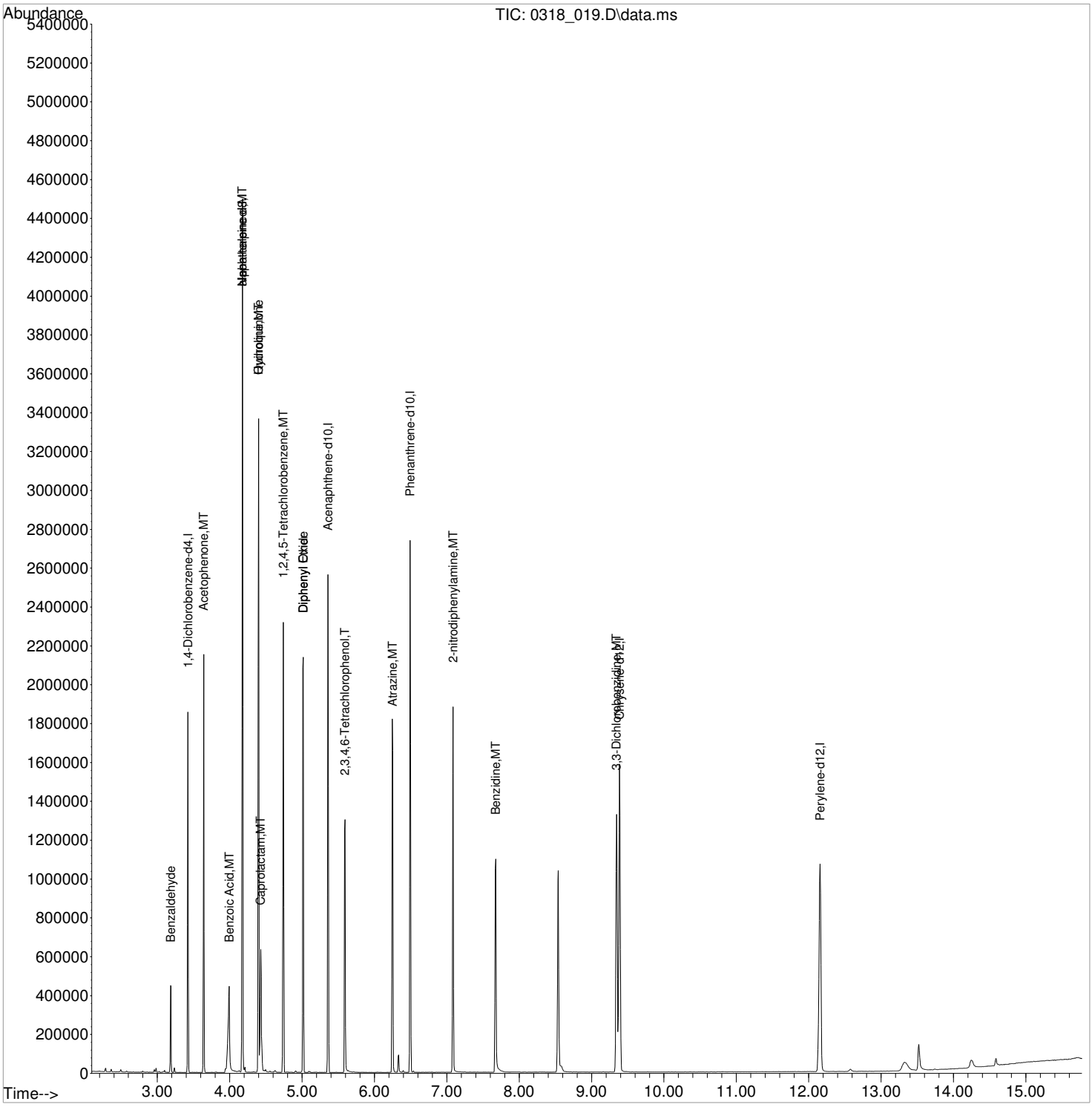
Quant Time: Mar 22 16:30:32 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:30:24 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.422	152	187136	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.175	136	840019	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.358	164	424598	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.493	188	806531	8000.0000000	ppb		0.00
84) Chrysene-d12	9.387	240	724331	8000.0000000	ppb		0.00
94) Perylene-d12	12.157	264	688612	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.187	105	74052	10000.0000000	ppb		100
22) Acetophenone	3.640	105	401794	10000.0000000	ppb		100
31) Benzoic Acid	3.993	105	176036	10086.8090373	ppb		87
33) alpha-terpineol	4.175	59	201886	10000.0000000	ppb		100
37) Hydroquinone	4.399	110	332751	9876.3786819	ppb		100
38) Quinoline	4.399	129	599938	10000.0000000	ppb		100
39) Caprolactam	4.428	113	103358	10000.1935059	ppb		100
43) 1,2,4,5-Tetrachloroben...	4.740	216	285680	10000.0000000	ppb		100
44) Diphenyl Ether	5.016	170	402777	10000.0000000	ug/ml		100
45) Diphenyl Oxide	5.016	170	402777	10000.0000000	ug/ml		100
62) 2,3,4,6-Tetrachlorophenol	5.593	232	148407	9940.9199606	ppb		100
69) Atrazine	6.252	200	204289	10008.7697810	ppb	#	100
82) 2-nitrodiphenylamine	7.087	167	224693	10000.0000000	ppb		100
85) Benzidine	7.675	184	470201	10167.4528974	ppb	#	100
89) 3,3-Dichlorobenzidine	9.346	252	392444	9998.1525963	ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_019.D
Acq On : 18 Mar 2022 09:22 pm
Operator : 917
Sample : MSTD TCL 10K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 22 16:30:32 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:30:24 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\053122\
Data File : 0531_04.D
Acq On : 31 May 2022 12:08 pm
Operator : 917
Sample : ICV TCL 10K1 ppb 22E10466 exp 10/29/22
Misc : TCL CAL ISTD 22E03623 exp 11/03/22
ALS Vial : 4 Sample Multiplier: 1

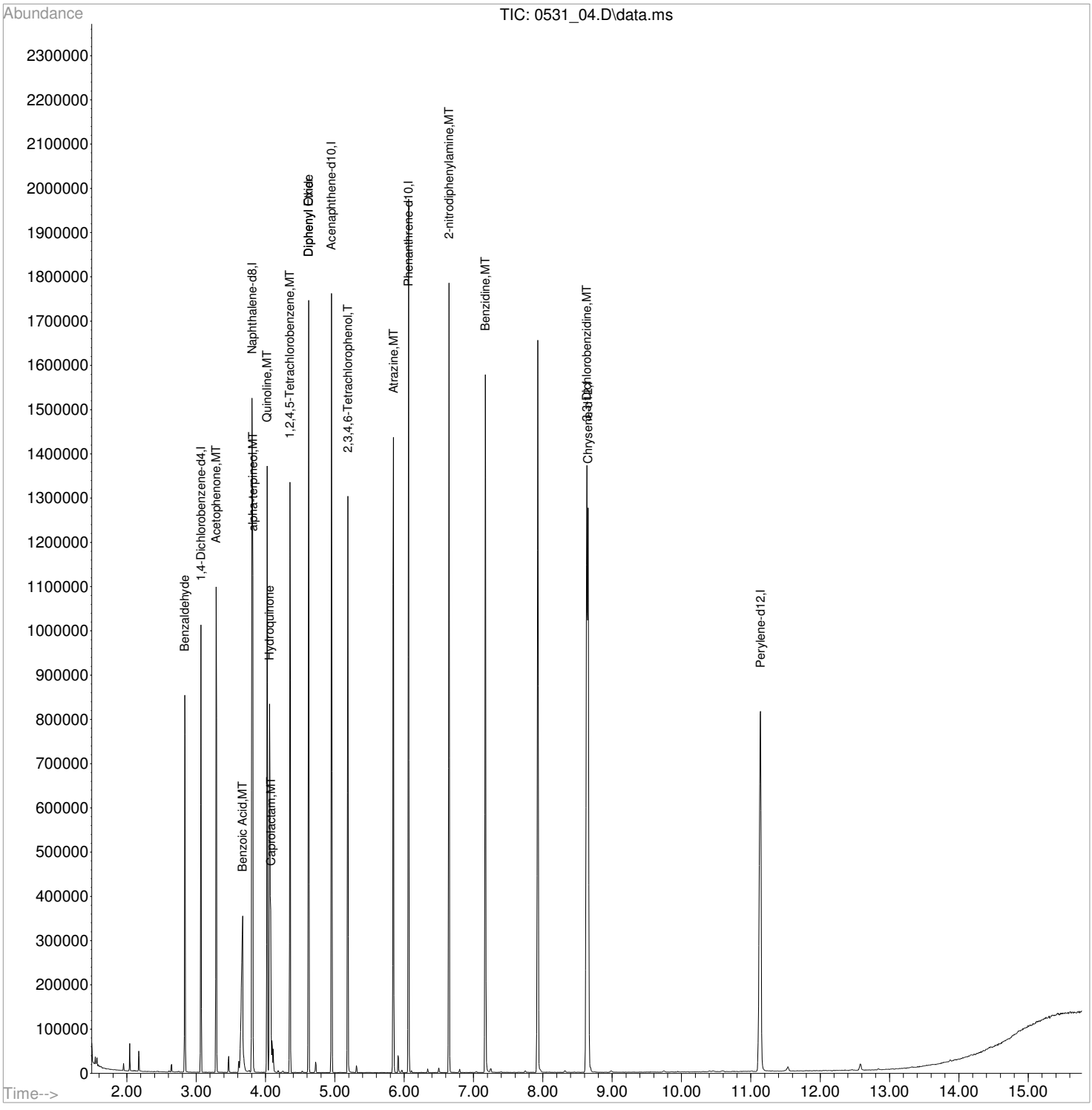
Quant Time: May 31 13:53:39 2022
Quant Method : C:\GCMS\1\methods\S833E31V.M
Quant Title : 8270 BNA
QLast Update : Tue May 31 13:50:44 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.069	152	108778	8000.0000000	ppb		0.00
23) Naphthalene-d8	3.805	136	477868	8000.0000000	ppb		0.00
46) Acenaphthene-d10	4.952	164	260720	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.063	188	544888	8000.0000000	ppb		0.00
84) Chrysene-d12	8.652	240	539697	8000.0000000	ppb		0.00
94) Perylene-d12	11.140	264	539762	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	2.834	105	134373	30125.8876681	ppb		97
22) Acetophenone	3.287	105	247547	10305.3684726	ppb		97
31) Benzoic Acid	3.669	105	153610	16967.9111839	ppb		85
33) alpha-terpineol	3.816	59	120846	9913.7641187	ppb		90
37) Hydroquinone	4.058	110	212040	12026.3304840	ppb		97
38) Quinoline	4.022	129	361995	10552.5268176	ppb		97
39) Caprolactam	4.075	113	67891	11805.5865115	ppb	#	80
43) 1,2,4,5-Tetrachloroben...	4.352	216	180901	10873.4802857	ppb		99
44) Diphenyl Ether	4.622	170	253952	10968.7823760	ug/ml		98
45) Diphenyl Oxide	4.622	170	253952	10968.7823760	ug/ml		98
62) 2,3,4,6-Tetrachlorophenol	5.187	232	114141	12020.7465797	ppb		97
69) Atrazine	5.846	200	147659	11441.5988021	ppb	#	100
82) 2-nitrodiphenylamine	6.646	167	177750	9963.9695342	ppb		95
85) Benzidine	7.169	184	567084	13519.9713421	ppb	#	100
89) 3,3-Dichlorobenzidine	8.634	252	331676	10921.4973367	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\053122\
Data File : 0531_04.D
Acq On : 31 May 2022 12:08 pm
Operator : 917
Sample : ICV TCL 10K1 ppb 22E10466 exp 10/29/22
Misc : TCL CAL ISTD 22E03623 exp 11/03/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 31 13:53:39 2022
Quant Method : C:\GCMS\1\methods\S833E31V.M
Quant Title : 8270 BNA
QLast Update : Tue May 31 13:50:44 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_020.D
Acq On : 18 Mar 2022 09:43 pm
Operator : 917
Sample : STD TCL 20K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 17 Sample Multiplier: 1

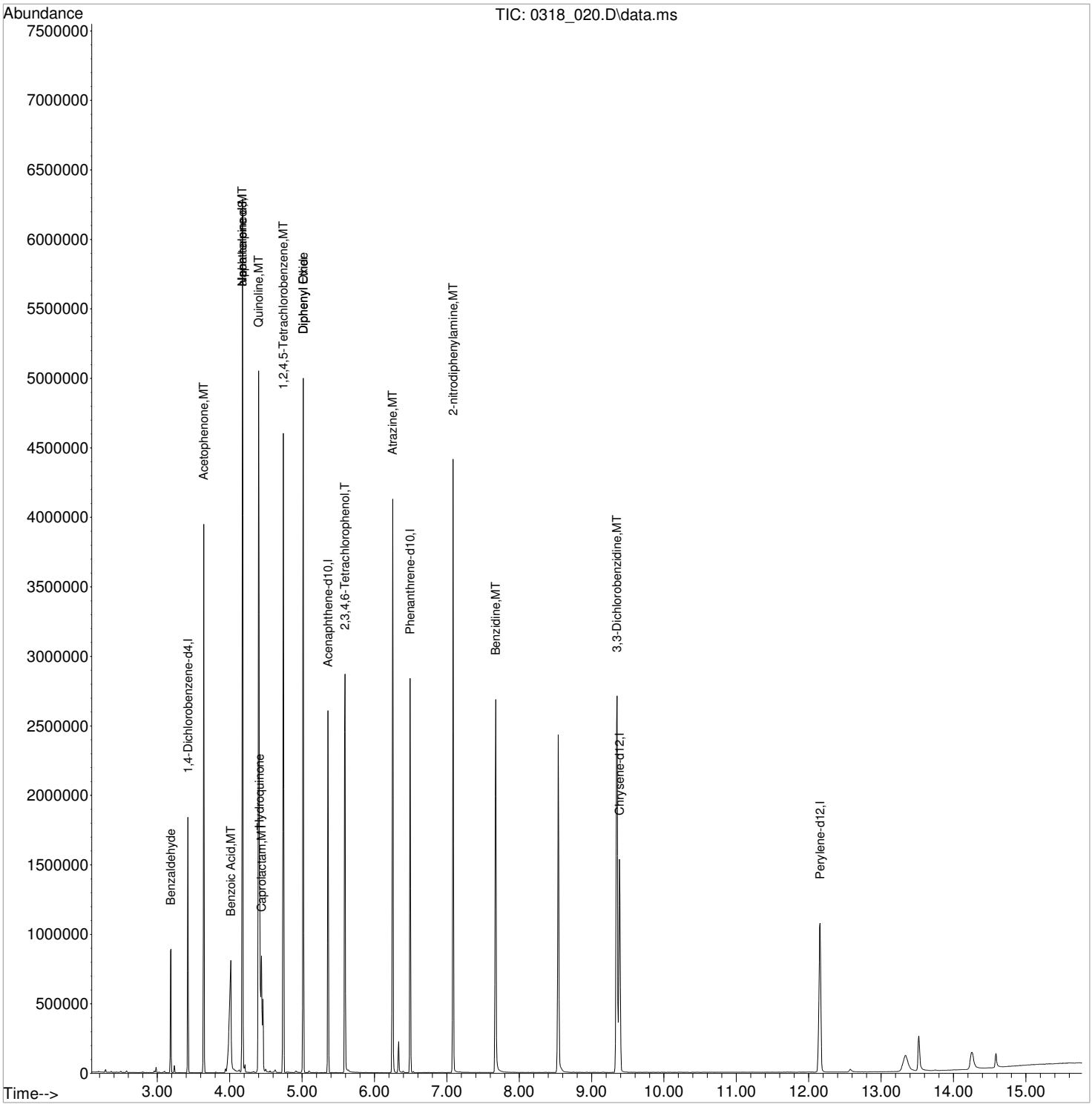
Quant Time: Mar 23 09:05:25 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:05:20 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.422	152	186239	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.175	136	962623	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.358	164	417773	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.493	188	784433	8000.0000000	ppb		0.00
84) Chrysene-d12	9.387	240	699529	8000.0000000	ppb		0.00
94) Perylene-d12	12.157	264	673495	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.187	105	150686	20138.9266027	ppb		99
22) Acetophenone	3.640	105	818589	20505.8035088	ppb		99
31) Benzoic Acid	4.016	105	384576m	20188.1156776	ppb		
33) alpha-terpineol	4.175	59	409948	16032.6672941	ppb		99
37) Hydroquinone	4.411	110	674031m	17063.1971520	ppb		
38) Quinoline	4.399	129	1209109	16101.4947494	ppb		98
39) Caprolactam	4.440	113	207883	16696.6326035	ppb	#	79
43) 1,2,4,5-Tetrachloroben...	4.740	216	585225	16129.3009349	ppb		99
44) Diphenyl Ether	5.016	170	822758	16322.6466257	ug/ml		99
45) Diphenyl Oxide	5.016	170	822758	16322.6466257	ug/ml		99
62) 2,3,4,6-Tetrachlorophenol	5.593	232	308187	22192.2898916	ppb		98
69) Atrazine	6.252	200	415395	21288.1216988	ppb	#	100
82) 2-nitrodiphenylamine	7.087	167	489012	26130.4452875	ppb		99
85) Benzidine	7.675	184	1031392	27661.2062827	ppb	#	100
89) 3,3-Dichlorobenzidine	9.351	252	801320	21935.1812222	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_020.D
Acq On : 18 Mar 2022 09:43 pm
Operator : 917
Sample : STD TCL 20K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 17 Sample Multiplier: 1

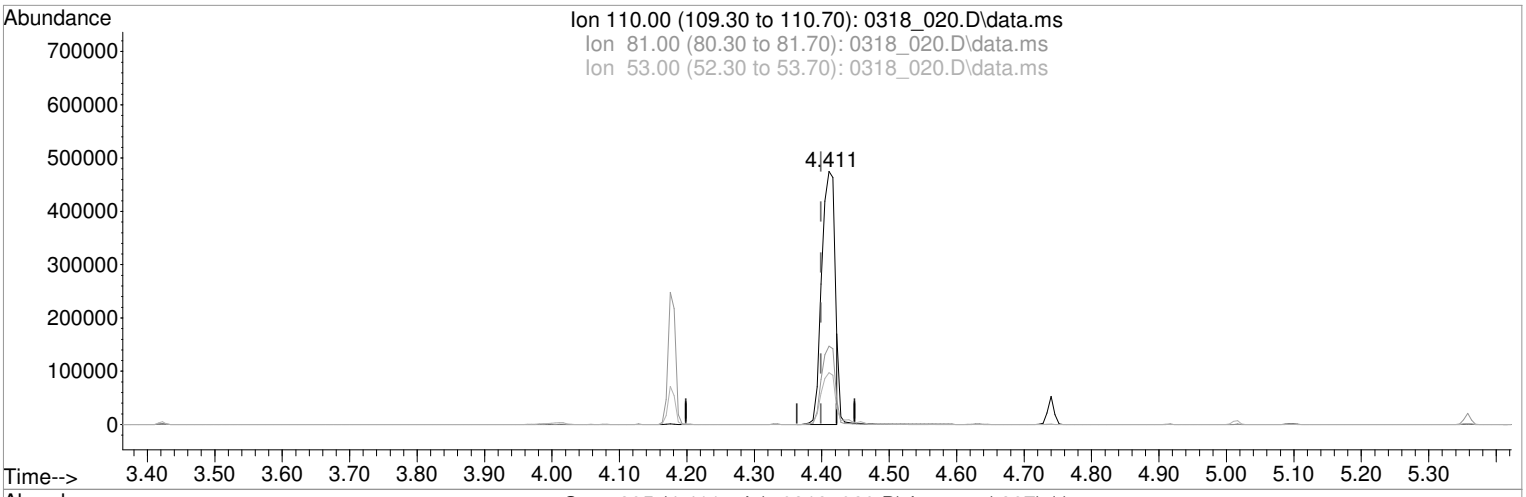
Quant Time: Mar 23 09:05:25 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:05:20 2022
Response via : Initial Calibration

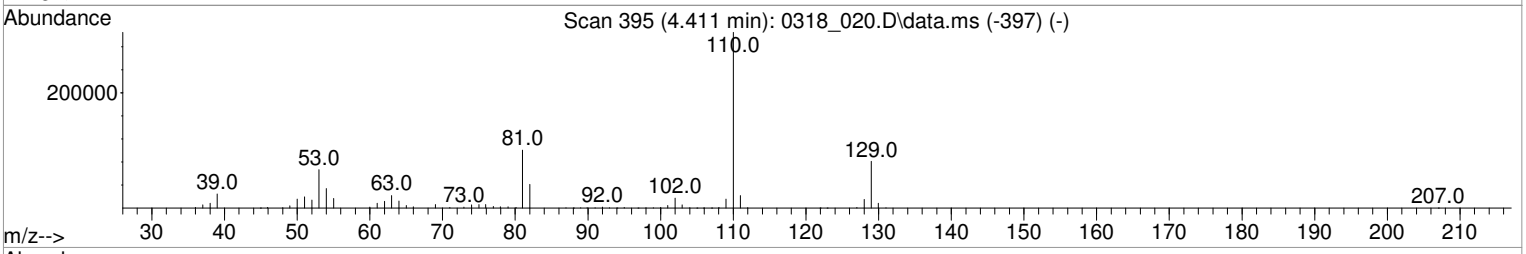


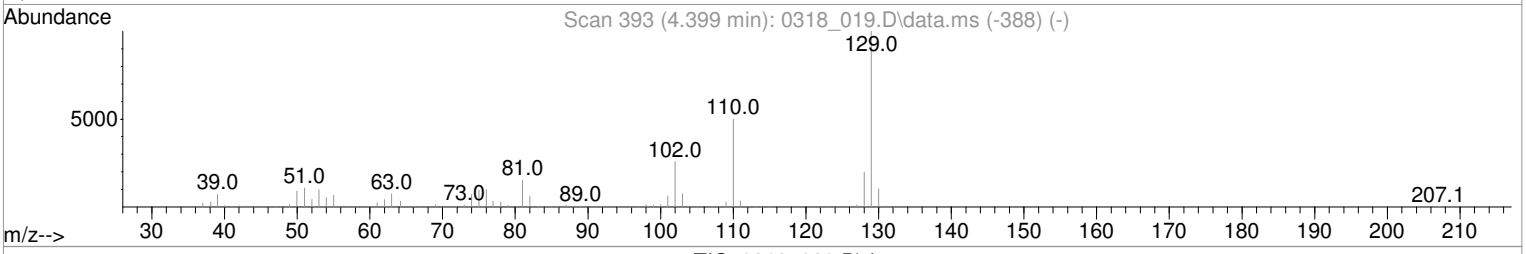
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_020.D
Acq On : 18 Mar 2022 09:43 pm
Operator : 917
Sample : STD TCL 20K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 23 09:05:25 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:05:20 2022
Response via : Initial Calibration







TIC: 0318_020.D\data.ms

(37) Hydroquinone

4.411min (+ 0.012) 16743.7958805 ppb

Qvalue = 99

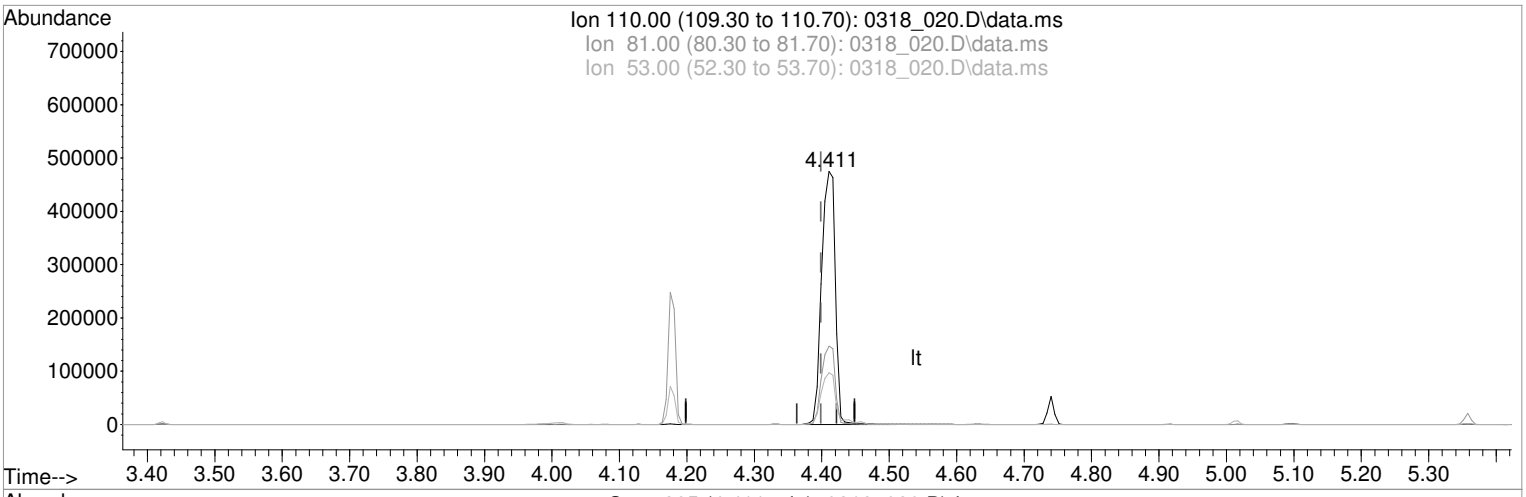
response 661414

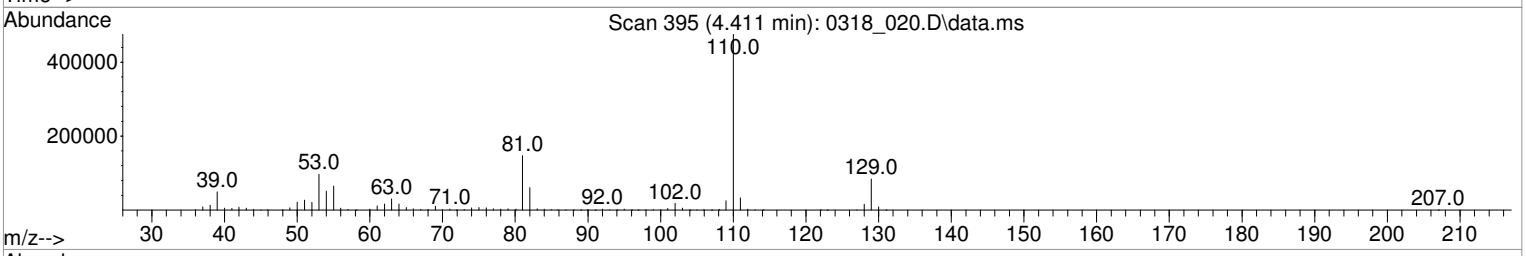
Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	31.03
53.00	19.80	20.49
0.00	0.00	0.00

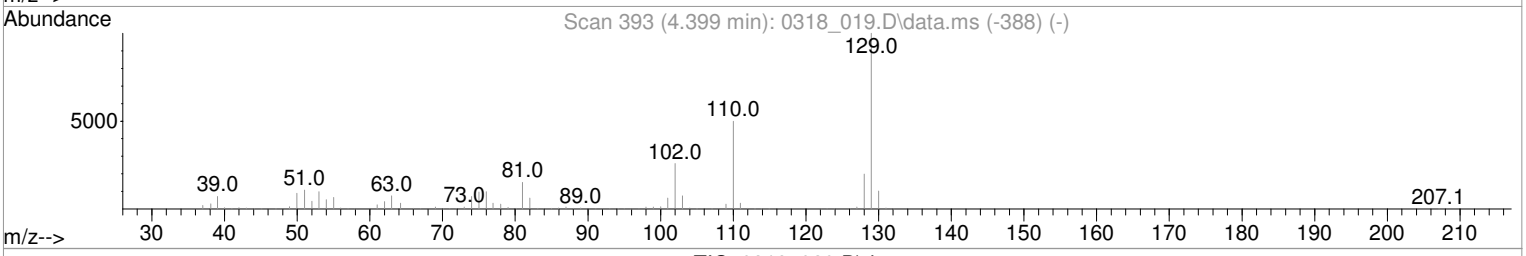
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_020.D
Acq On : 18 Mar 2022 09:43 pm
Operator : 917
Sample : STD TCL 20K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 23 09:05:25 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:05:20 2022
Response via : Initial Calibration







TIC: 0318_020.D\data.ms

(37) Hydroquinone

4.411min (+ 0.012) 17063.1971520 ppb m

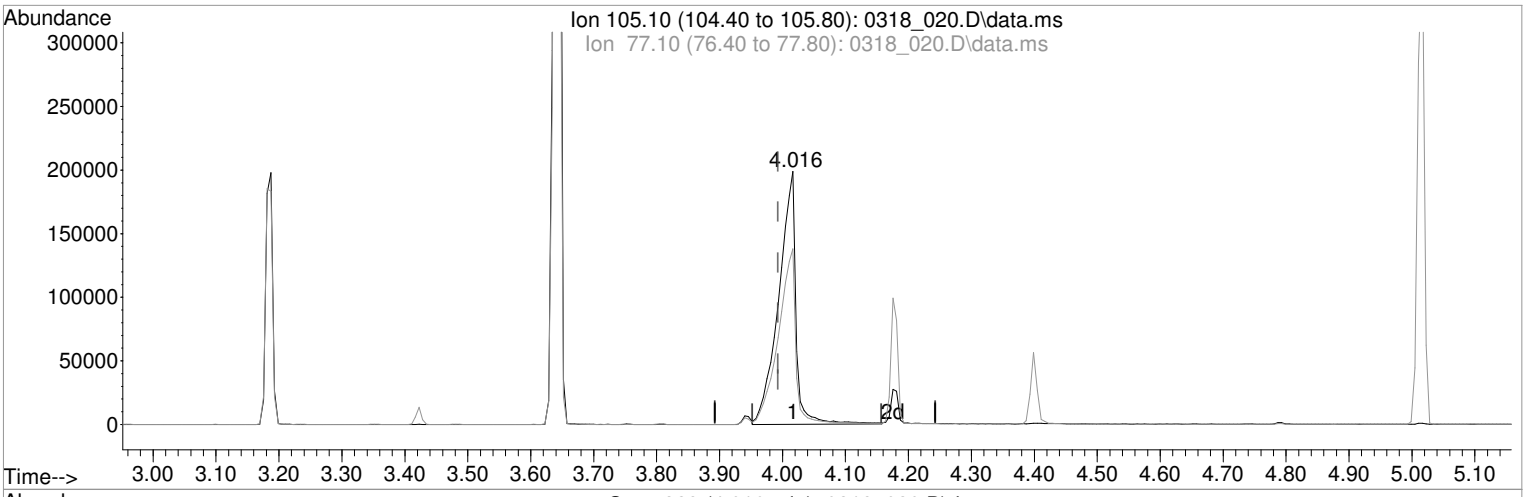
response 674031

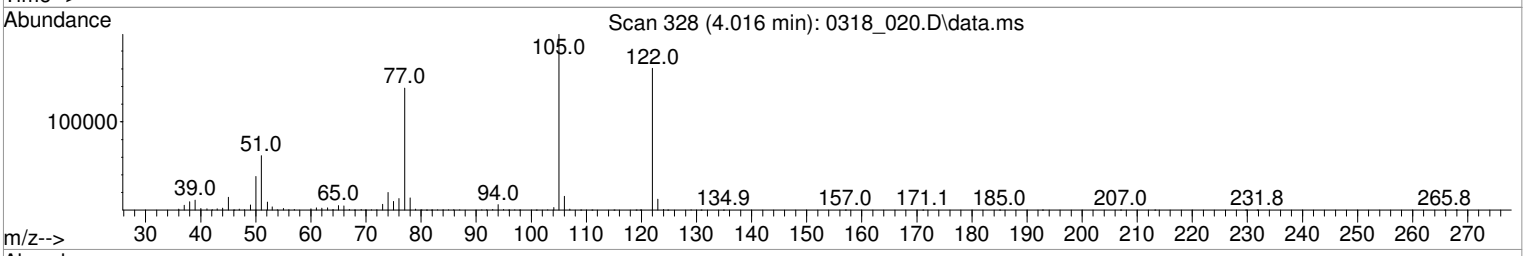
Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	31.03
53.00	19.80	20.49
0.00	0.00	0.00

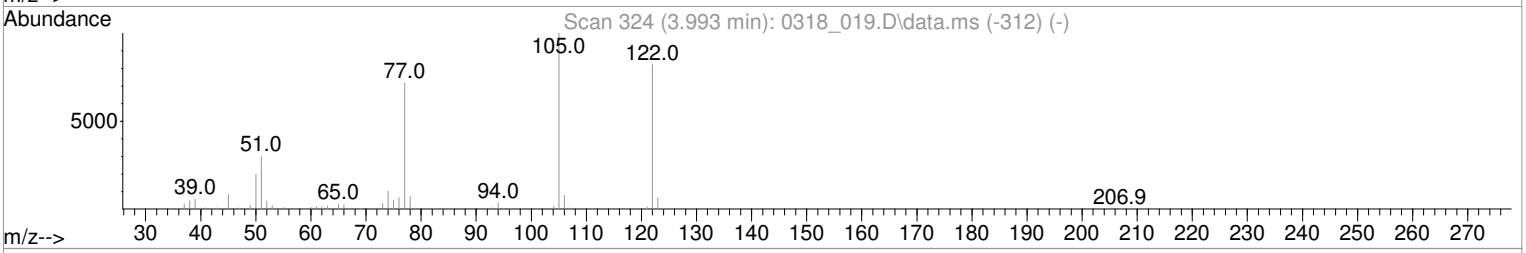
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_020.D
Acq On : 18 Mar 2022 09:43 pm
Operator : 917
Sample : STD TCL 20K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 23 09:05:25 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:05:20 2022
Response via : Initial Calibration







TIC: 0318_020.D\data.ms

(31) Benzoic Acid (MT)

4.016min (+ 0.023) 19894.6715557 ppb

Qvalue = 89

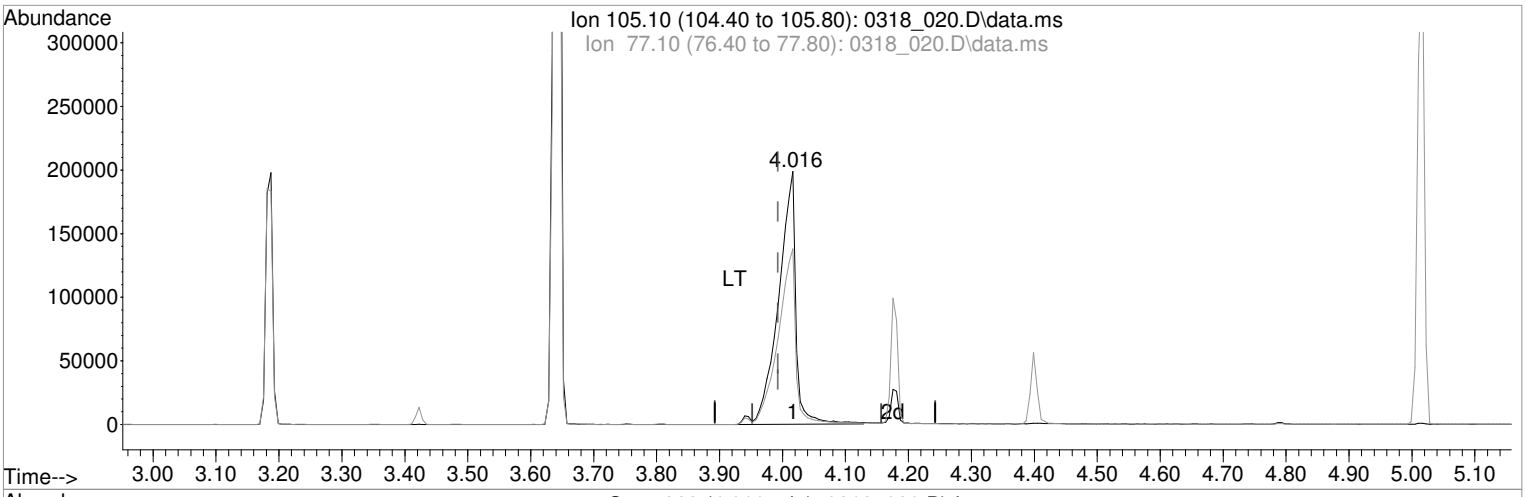
response 378986

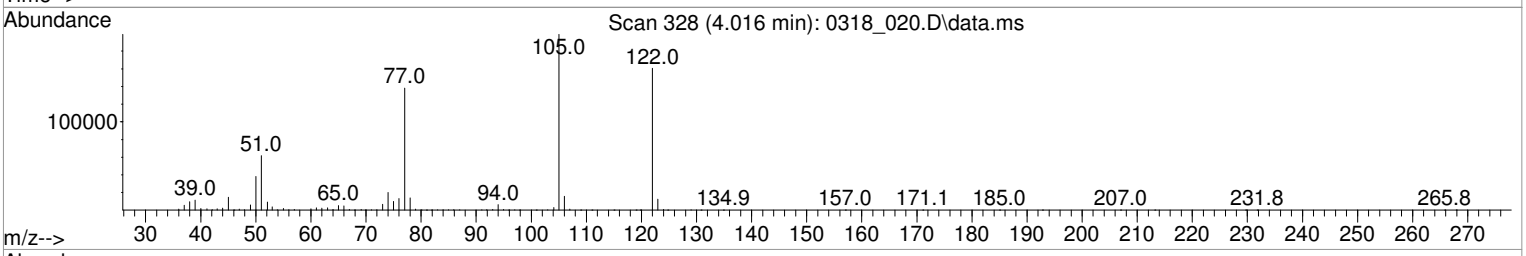
Ion	Exp%	Act%
105.10	100.00	100.00
77.10	62.50	70.93
0.00	0.00	0.00
0.00	0.00	0.00

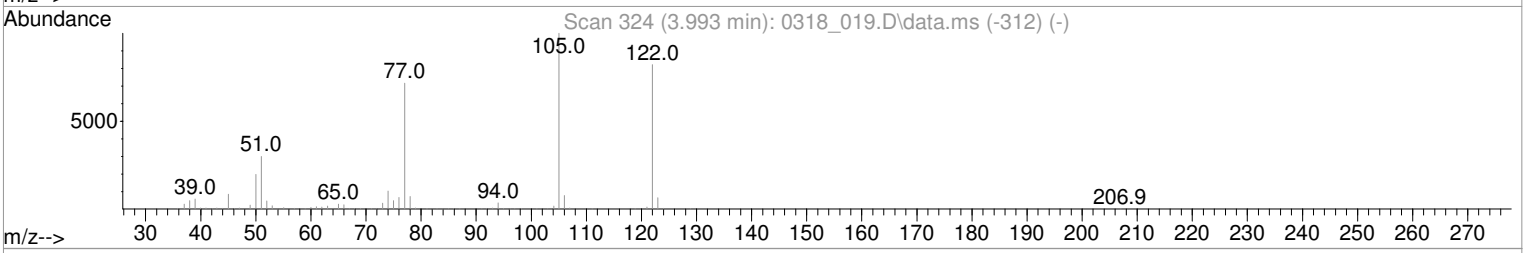
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_020.D
Acq On : 18 Mar 2022 09:43 pm
Operator : 917
Sample : STD TCL 20K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 23 09:05:25 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:05:20 2022
Response via : Initial Calibration







TIC: 0318_020.D\data.ms

(31) Benzoic Acid (MT)

4.016min (+ 0.023) 20188.1156776 ppb m

response 384576

Ion	Exp%	Act%
105.10	100.00	100.00
77.10	62.50	69.90
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_021.D
Acq On : 18 Mar 2022 10:04 pm
Operator : 917
Sample : STD TCL 30K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 18 Sample Multiplier: 1

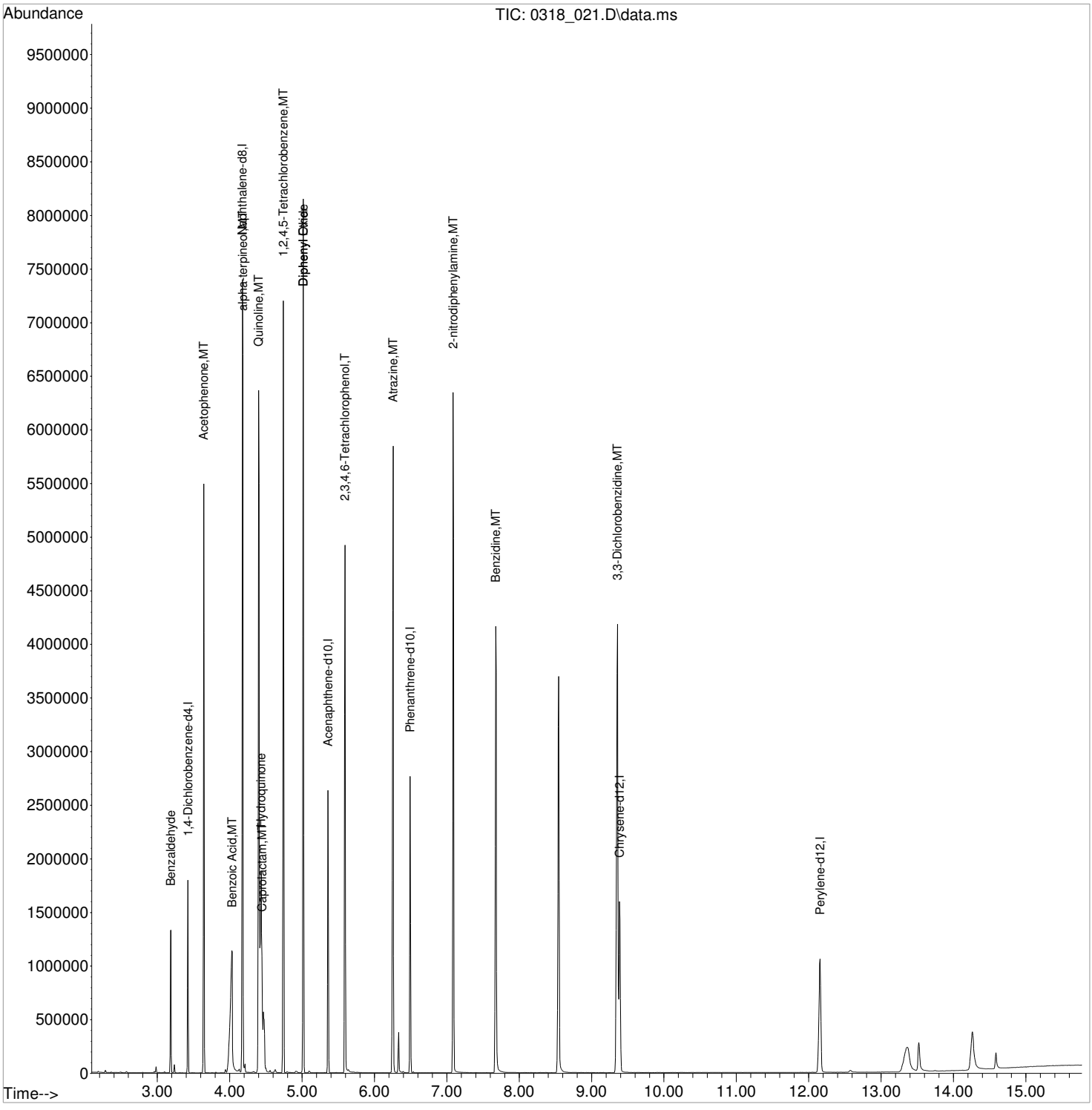
Quant Time: Mar 23 09:06:49 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:06:46 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.423	152	183947	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.175	136	1096028	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.358	164	418509	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.493	188	782630	8000.0000000 ppb	0.00
84) Chrysene-d12	9.387	240	705696	8000.0000000 ppb	0.00
94) Perylene-d12	12.157	264	676814	8000.0000000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	0.000	112	0d	0.0000000 ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#	
7) Phenol-d5	0.000	99	0	0.0000000 ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#	
24) Nitrobenzene-d5	0.000	82	0d	0.0000000 ppb	
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#	
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000 ppb	
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#	
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000 ppb	
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#	
87) p-Terphenyl-d14	0.000	244	0d	0.0000000 ppb	
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#	
Target Compounds					Qvalue
9) Benzaldehyde	3.187	105	225957	30532.6292679 ppb	99
22) Acetophenone	3.640	105	1247065	31469.2765853 ppb	99
31) Benzoic Acid	4.034	105	606335	27902.5966486 ppb	89
33) alpha-terpineol	4.181	59	623953	22317.4452977 ppb	86
37) Hydroquinone	4.434	110	1016082m	23274.9784817 ppb	
38) Quinoline	4.399	129	1837276	22360.4008685 ppb	98
39) Caprolactam	4.446	113	317999	23198.4465669 ppb #	80
43) 1,2,4,5-Tetrachloroben...	4.740	216	911555	22953.7873052 ppb	99
44) Diphenyl Ether	5.017	170	1266133	22903.6116306 ug/ml	98
45) Diphenyl Oxide	5.017	170	1266133	22903.6116306 ug/ml	98
62) 2,3,4,6-Tetrachlorophenol	5.593	232	482569	33944.1280639 ppb	93
69) Atrazine	6.258	200	660233	33346.5075813 ppb #	100
82) 2-nitrodiphenylamine	7.087	167	799929	40368.0818242 ppb	99
85) Benzidine	7.675	184	1742246	43021.5109647 ppb #	100
89) 3,3-Dichlorobenzidine	9.358	252	1269962	33805.7004518 ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

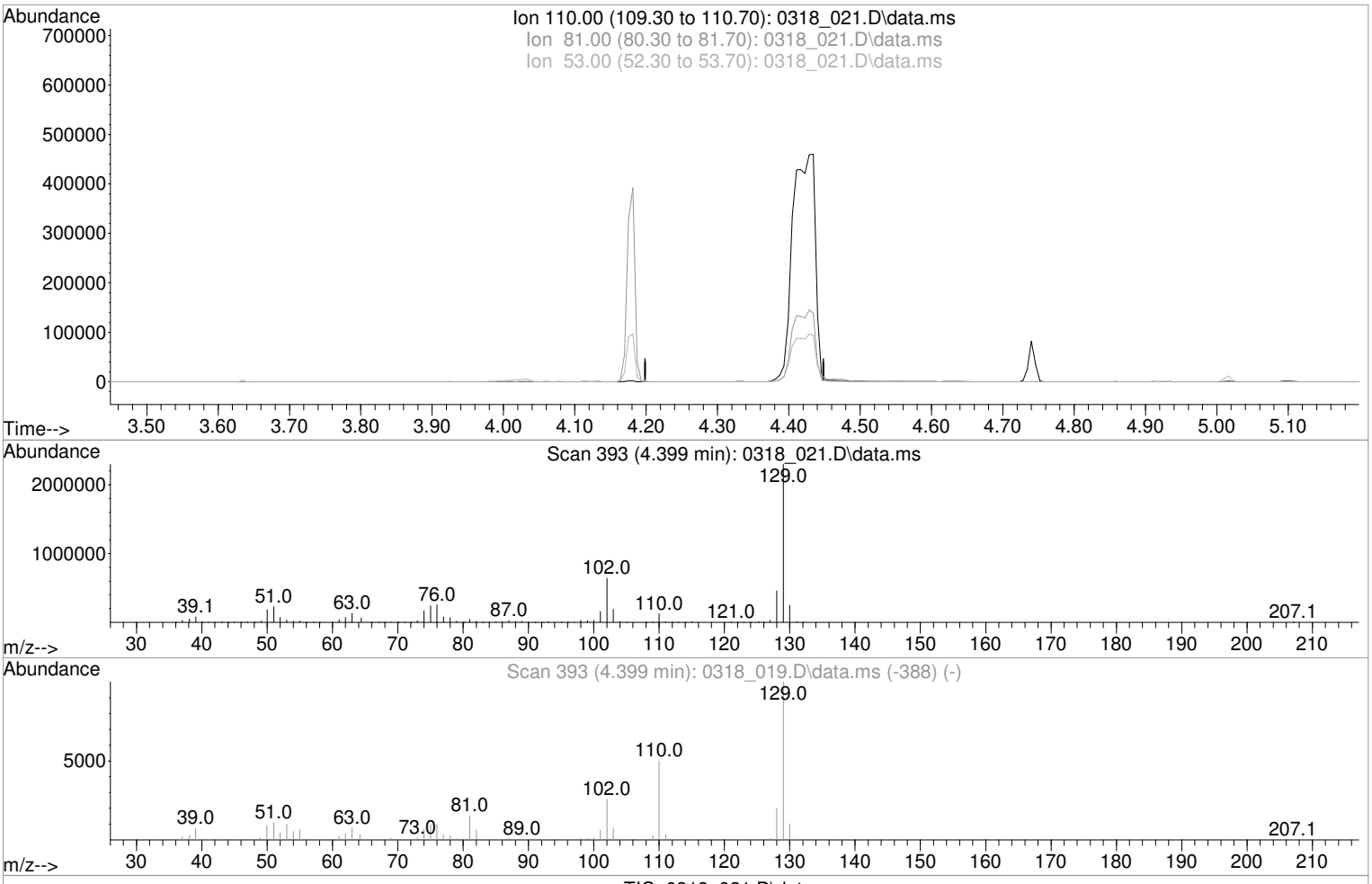
Data Path : C:\GCMS\1\data\031822\
Data File : 0318_021.D
Acq On : 18 Mar 2022 10:04 pm
Operator : 917
Sample : STD TCL 30K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 23 09:06:49 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:06:46 2022
Response via : Initial Calibration



Data Path : C:\GCMS\1\data\031822\
Data File : 0318_021.D
Acq On : 18 Mar 2022 10:04 pm
Operator : 917
Sample : STD TCL 30K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 23 09:06:49 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:06:46 2022
Response via : Initial Calibration



TIC: 0318_021.D\data.ms

(37) Hydroquinone

4.399min (-4.399) 0.0000000 ppb

Qvalue = 0

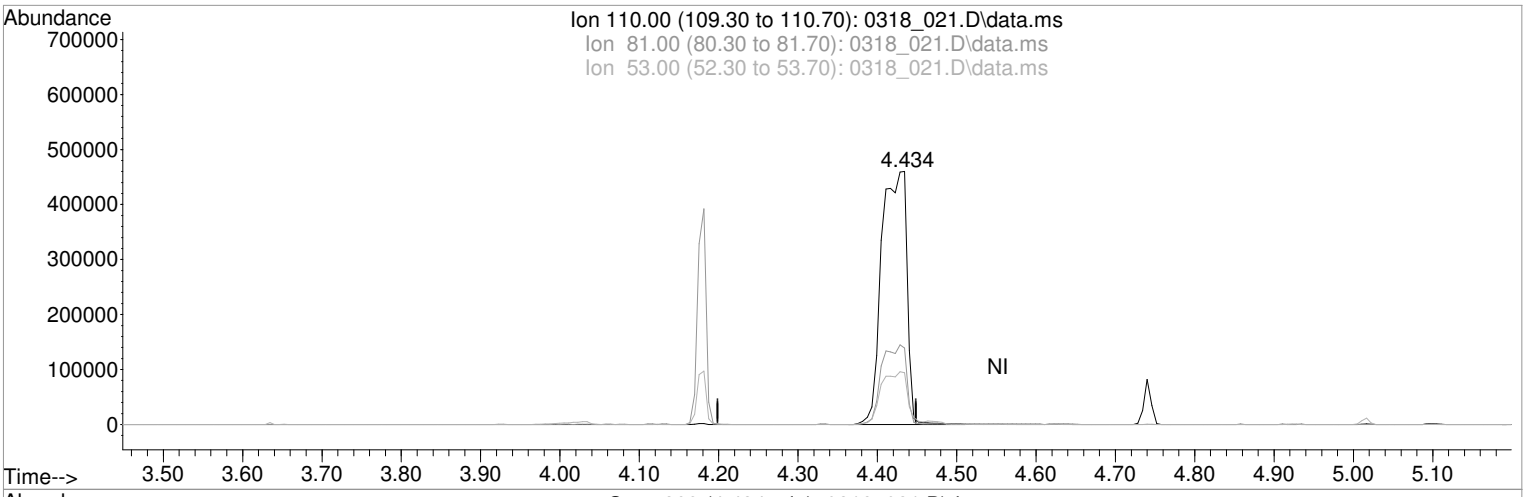
response 0

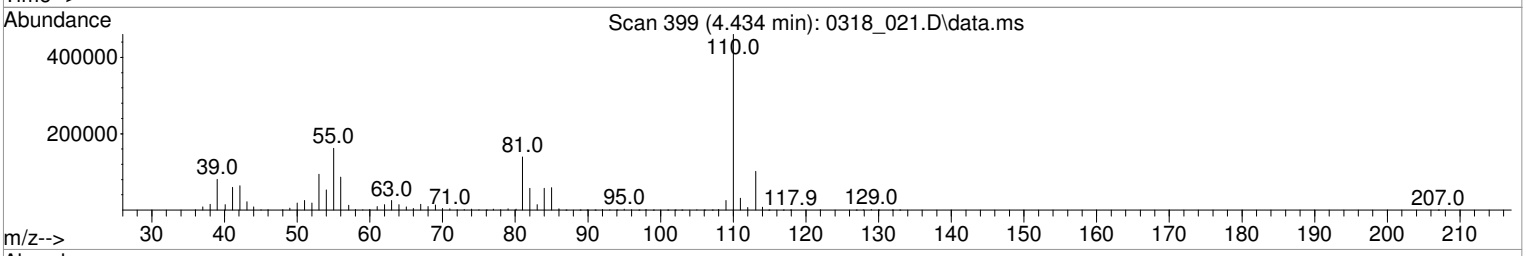
Ion	Exp%	Act%
110.00	100.00	0.00
81.00	30.30	0.00#
53.00	19.80	0.00
0.00	0.00	0.00

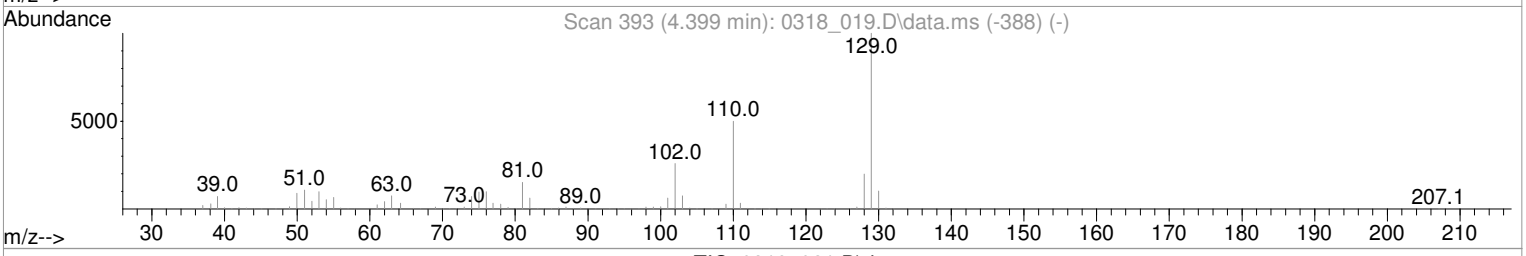
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_021.D
Acq On : 18 Mar 2022 10:04 pm
Operator : 917
Sample : STD TCL 30K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 23 09:06:49 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:06:46 2022
Response via : Initial Calibration







TIC: 0318_021.D\data.ms

(37) Hydroquinone

4.434min (+ 0.035) 23274.9784817 ppb m

response 1016082

Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	30.18
53.00	19.80	20.49
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_022.D
Acq On : 18 Mar 2022 10:26 pm
Operator : 917
Sample : STD TCL 40K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 19 Sample Multiplier: 1

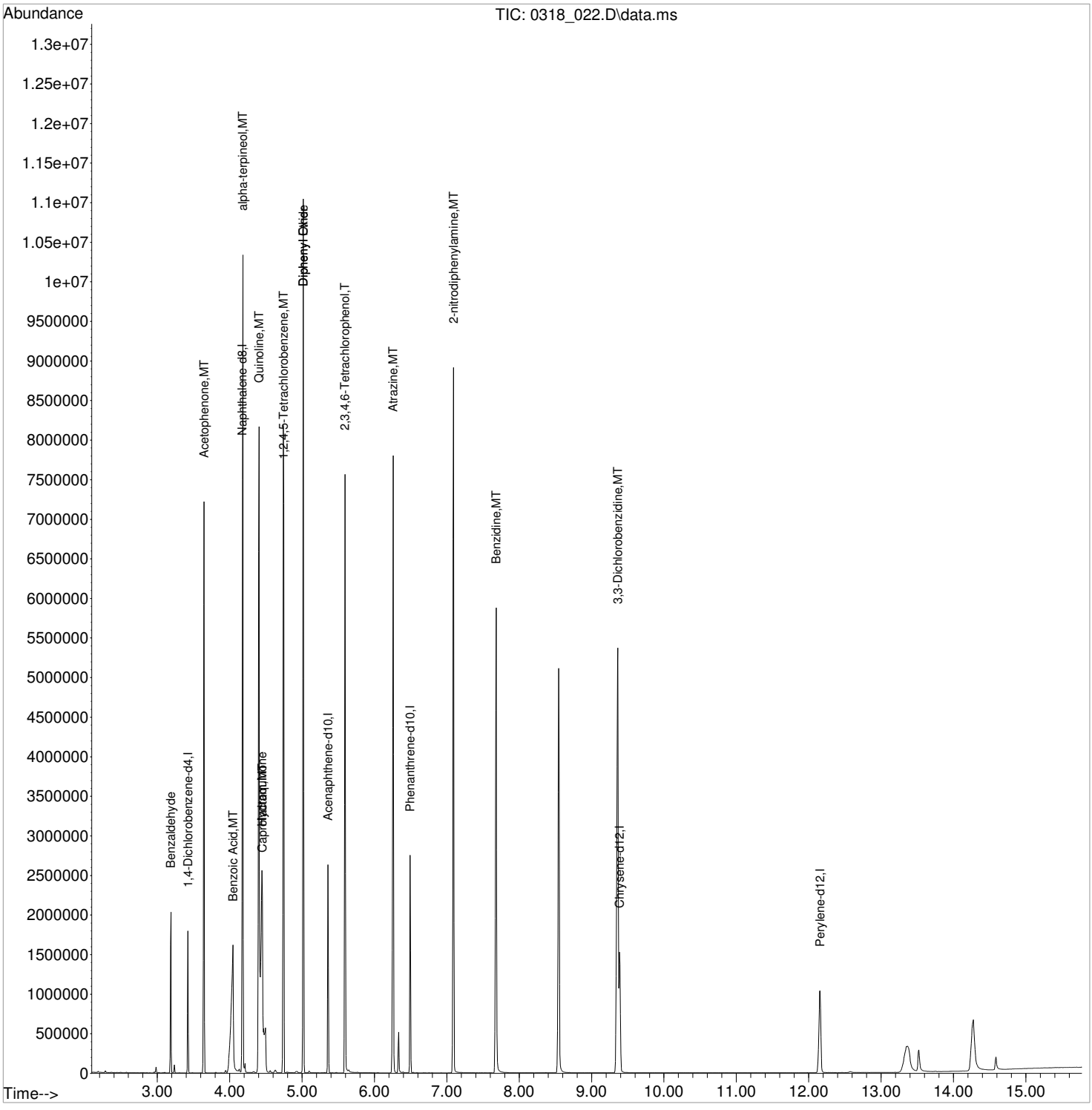
Quant Time: Mar 23 09:08:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:08:17 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.423	152	185615	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.175	136	1215119	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.358	164	415377	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.493	188	779597	8000.0000000 ppb	0.00
84) Chrysene-d12	9.387	240	712502	8000.0000000 ppb	0.00
94) Perylene-d12	12.157	264	676854	8000.0000000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	0.000	112	0d	0.0000000 ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#	
7) Phenol-d5	0.000	99	0	0.0000000 ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#	
24) Nitrobenzene-d5	0.000	82	0d	0.0000000 ppb	
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#	
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000 ppb	
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#	
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000 ppb	
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#	
87) p-Terphenyl-d14	0.000	244	0d	0.0000000 ppb	
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#	
Target Compounds					Qvalue
9) Benzaldehyde	3.187	105	310997	41523.2216451 ppb	99
22) Acetophenone	3.646	105	1720783	42684.7569259 ppb	99
31) Benzoic Acid	4.046	105	853721	35854.2797659 ppb	89
33) alpha-terpineol	4.181	59	849823	28639.6151542 ppb	88
37) Hydroquinone	4.446	110	1371387m	29434.7293932 ppb	
38) Quinoline	4.405	129	2470350	28320.5392737 ppb	98
39) Caprolactam	4.452	113	431259	29491.8944963 ppb #	80
43) 1,2,4,5-Tetrachloroben...	4.746	216	1227655	29019.7106889 ppb	98
44) Diphenyl Ether	5.017	170	1725039	29301.8363408 ug/ml	97
45) Diphenyl Oxide	5.017	170	1725039	29301.8363408 ug/ml	97
62) 2,3,4,6-Tetrachlorophenol	5.593	232	677752	47002.9351131 ppb	89
69) Atrazine	6.258	200	893253	44626.1922549 ppb #	100
82) 2-nitrodiphenylamine	7.093	167	1125533	53914.9998046 ppb	99
85) Benzidine	7.681	184	2392101	54557.4493258 ppb #	100
89) 3,3-Dichlorobenzidine	9.363	252	1756125	45341.9021328 ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_022.D
Acq On : 18 Mar 2022 10:26 pm
Operator : 917
Sample : STD TCL 40K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 19 Sample Multiplier: 1

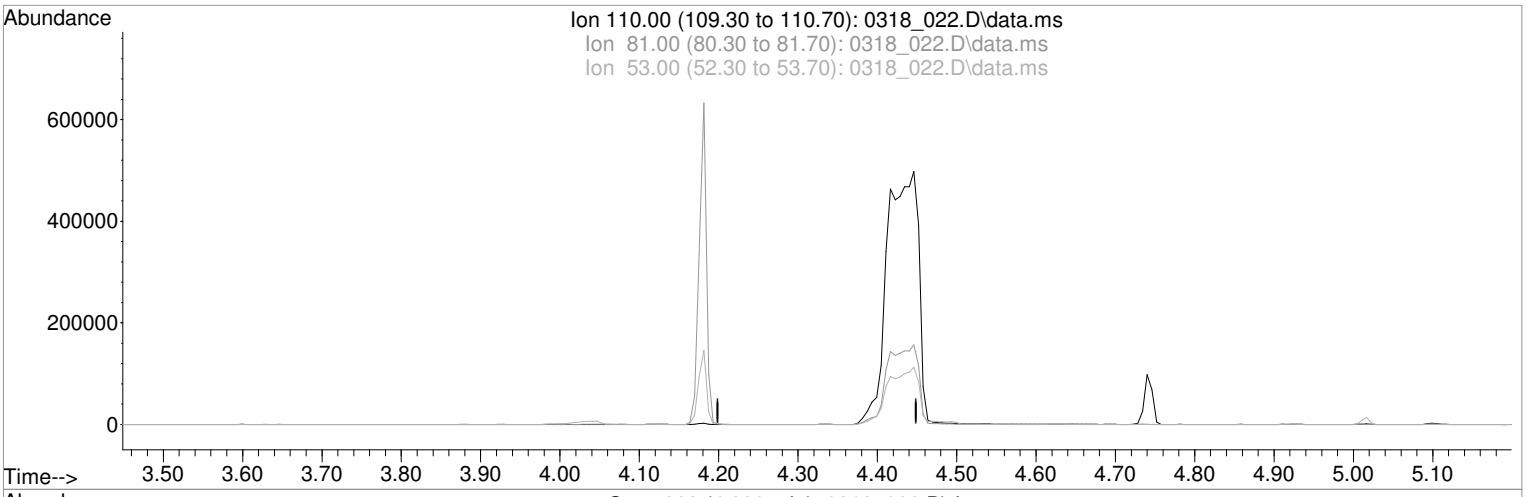
Quant Time: Mar 23 09:08:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:08:17 2022
Response via : Initial Calibration

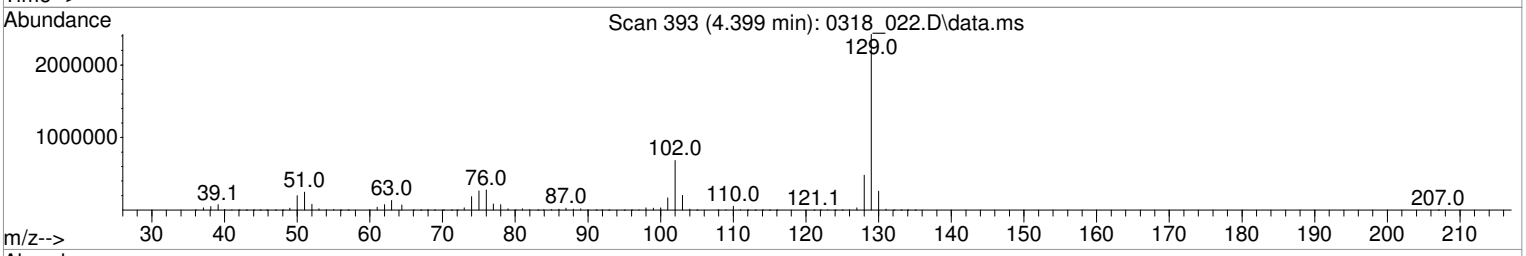


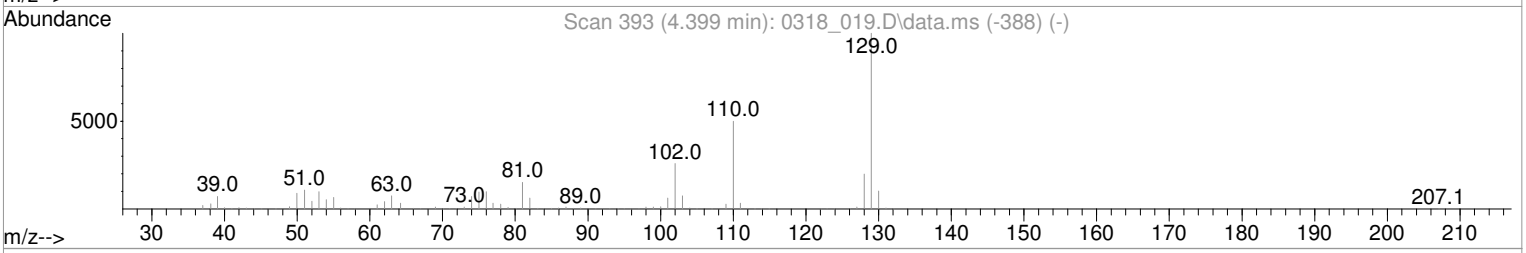
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_022.D
Acq On : 18 Mar 2022 10:26 pm
Operator : 917
Sample : STD TCL 40K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 23 09:08:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:08:17 2022
Response via : Initial Calibration







TIC: 0318_022.D\data.ms

(37) Hydroquinone

4.399min (-4.399) 0.0000000 ppb

Qvalue = 0

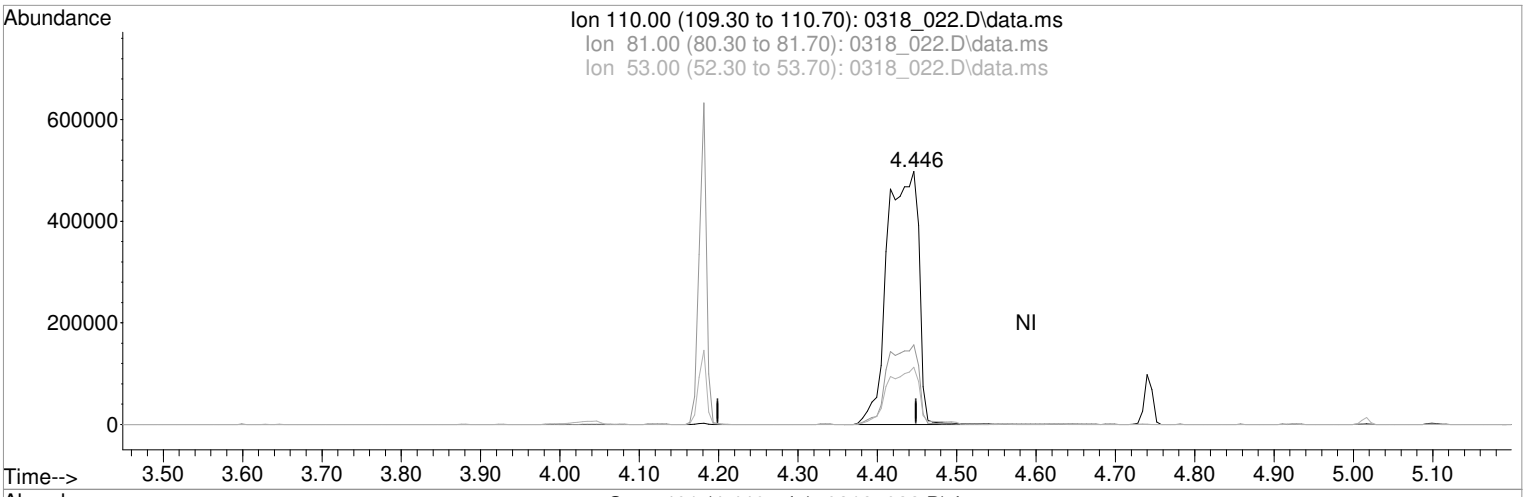
response 0

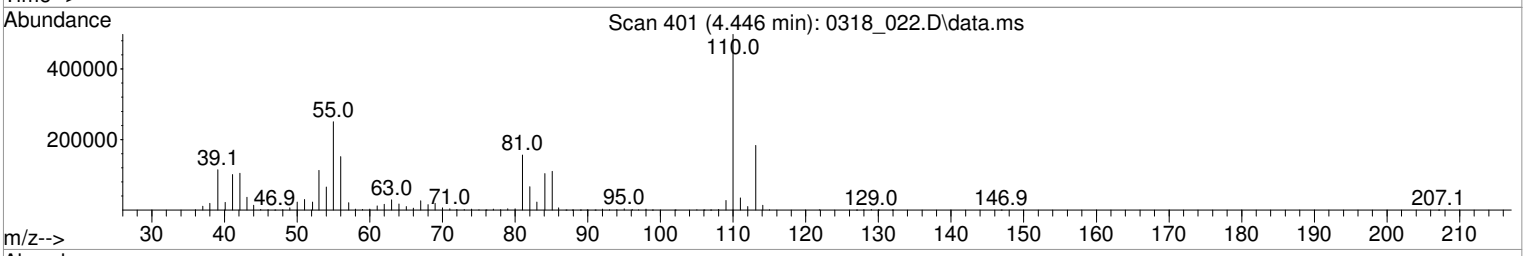
Ion	Exp%	Act%
110.00	100.00	0.00
81.00	30.30	0.00#
53.00	19.80	0.00
0.00	0.00	0.00

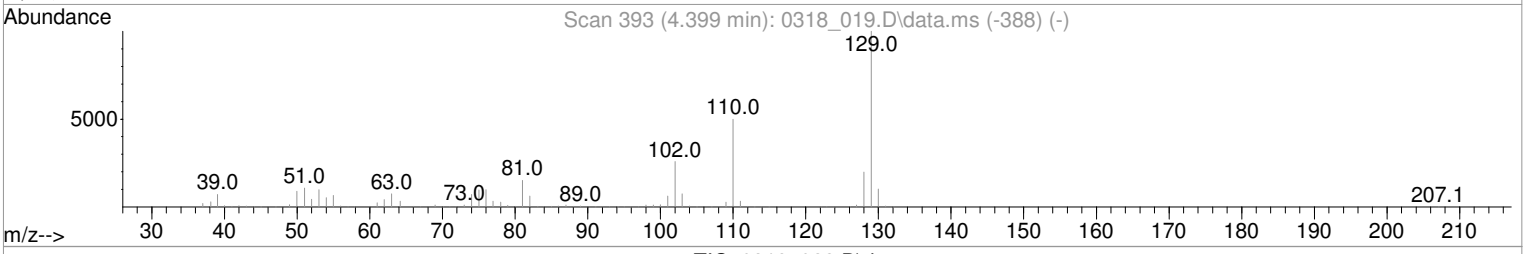
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_022.D
Acq On : 18 Mar 2022 10:26 pm
Operator : 917
Sample : STD TCL 40K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 23 09:08:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:08:17 2022
Response via : Initial Calibration







TIC: 0318_022.D\data.ms

(37) Hydroquinone

4.446min (+ 0.047) 29434.7293932 ppb m

response 1371387

Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	31.42
53.00	19.80	22.63
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_023.D
Acq On : 18 Mar 2022 10:47 pm
Operator : 917
Sample : STD TCL 50K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 20 Sample Multiplier: 1

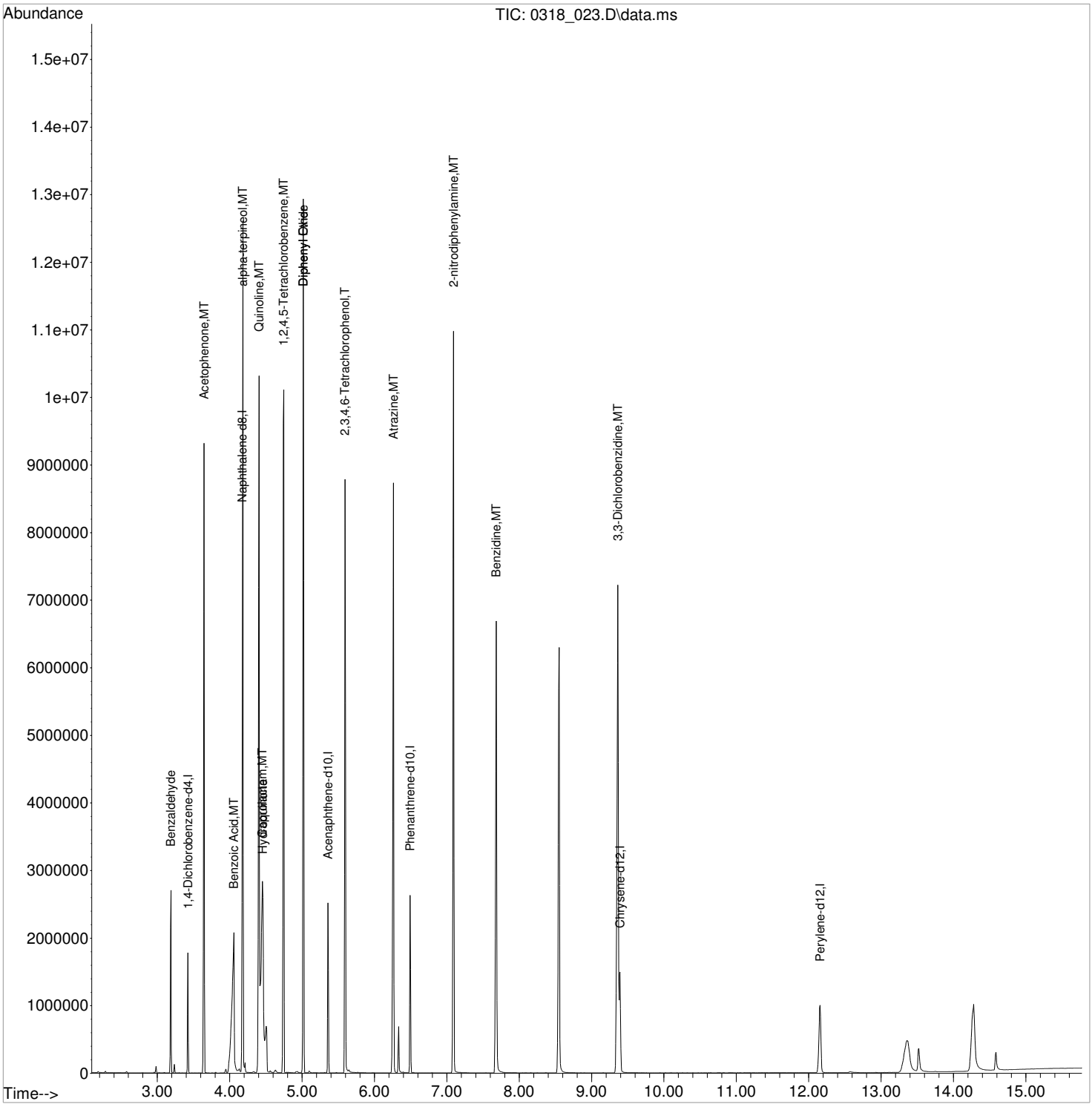
Quant Time: Mar 23 09:09:30 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:09:26 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.422	152	187801	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.175	136	1353054	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.358	164	414184	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.493	188	770556	8000.0000000	ppb		0.00
84) Chrysene-d12	9.393	240	703020	8000.0000000	ppb		0.00
94) Perylene-d12	12.157	264	657032	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.187	105	413571	54280.5071560	ppb		99
22) Acetophenone	3.646	105	2175775	52836.1905486	ppb		98
31) Benzoic Acid	4.058	105	1110756	42523.1759676	ppb		89
33) alpha-terpineol	4.181	59	1073381	33859.7897760	ppb		91
37) Hydroquinone	4.458	110	1717175m	34397.1702085	ppb		
38) Quinoline	4.405	129	3092072	33220.0608564	ppb		97
39) Caprolactam	4.452	113	544842	34765.7085152	ppb	#	80
43) 1,2,4,5-Tetrachloroben...	4.746	216	1574128	34780.3860130	ppb		98
44) Diphenyl Ether	5.016	170	2181939	34606.7586266	ug/ml		97
45) Diphenyl Oxide	5.016	170	2181939	34606.7586266	ug/ml		97
62) 2,3,4,6-Tetrachlorophenol	5.593	232	875637	59415.4096117	ppb		83
69) Atrazine	6.263	200	1099709	54203.2620382	ppb	#	100
82) 2-nitrodiphenylamine	7.093	167	1402066	64732.4532663	ppb		98
85) Benzidine	7.681	184	2903661	63800.9117577	ppb	#	100
89) 3,3-Dichlorobenzidine	9.363	252	2193221	56316.7510441	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

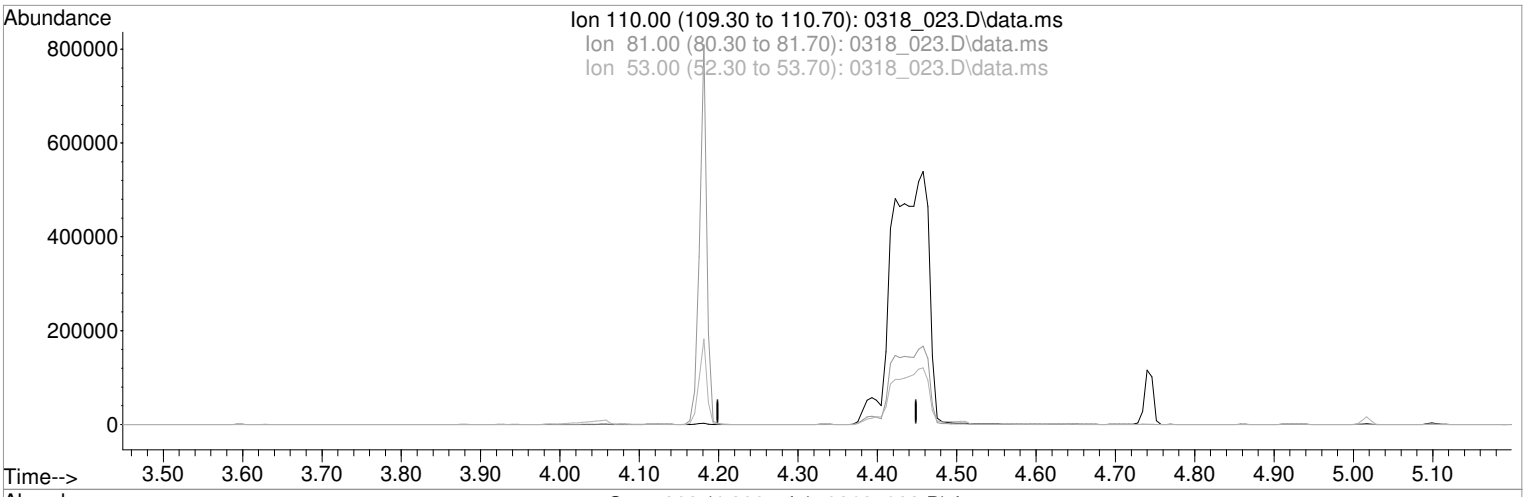
Data Path : C:\GCMS\1\data\031822\
Data File : 0318_023.D
Acq On : 18 Mar 2022 10:47 pm
Operator : 917
Sample : STD TCL 50K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 20 Sample Multiplier: 1

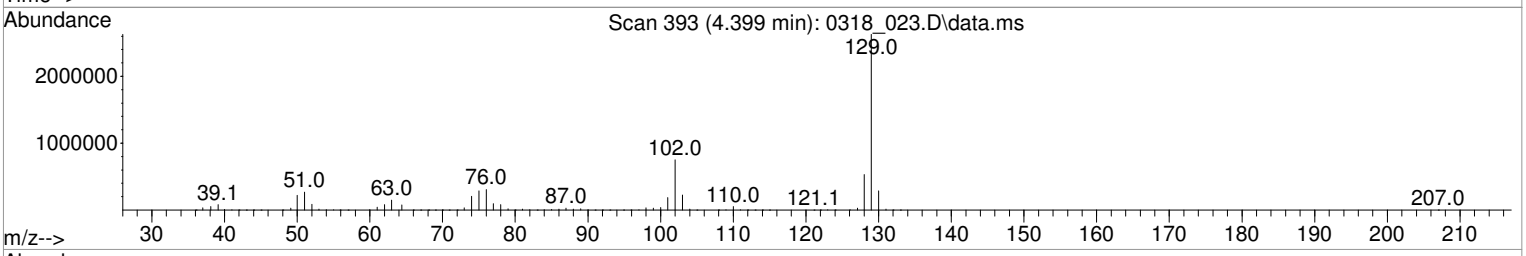
Quant Time: Mar 23 09:09:30 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:09:26 2022
Response via : Initial Calibration

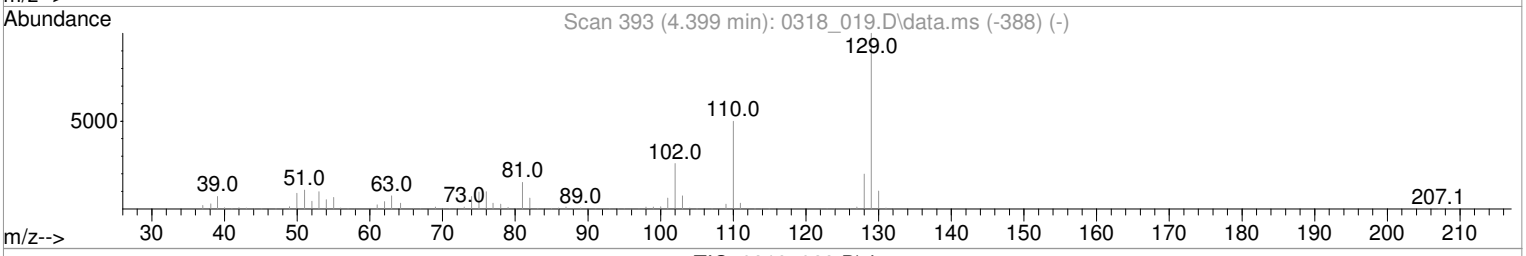


Data Path : C:\GCMS\1\data\031822\
Data File : 0318_023.D
Acq On : 18 Mar 2022 10:47 pm
Operator : 917
Sample : STD TCL 50K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 23 09:09:30 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:09:26 2022
Response via : Initial Calibration







TIC: 0318_023.D\data.ms

(37) Hydroquinone

4.399min (-4.399) 0.0000000 ppb

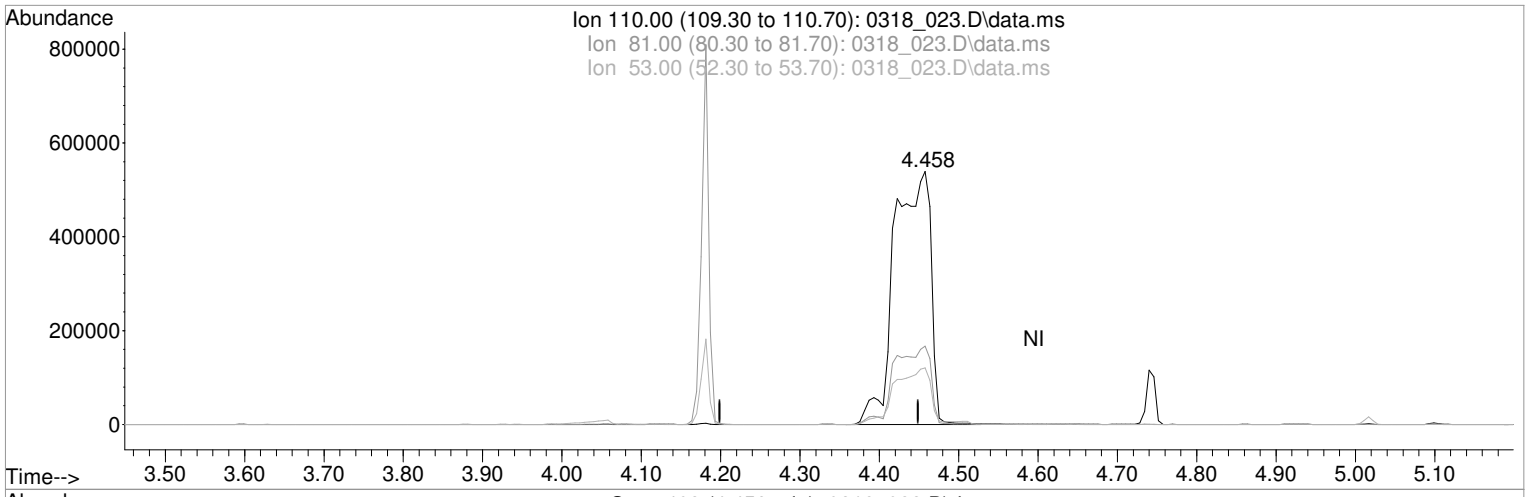
Qvalue = 0

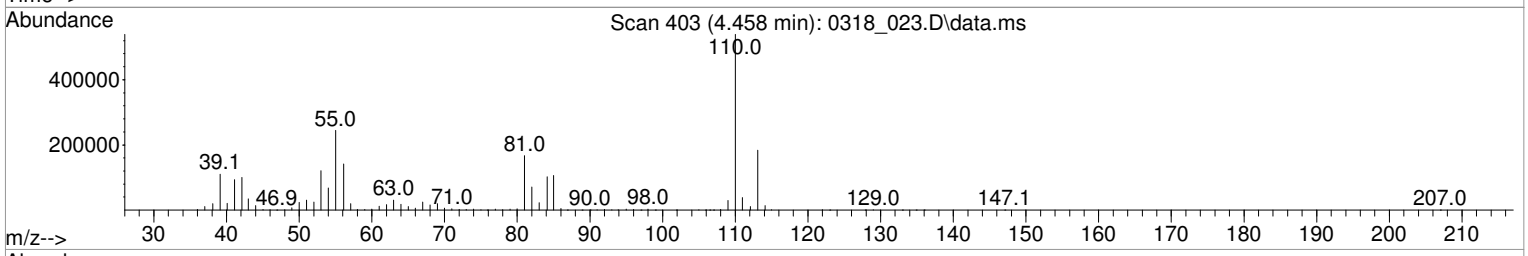
response 0

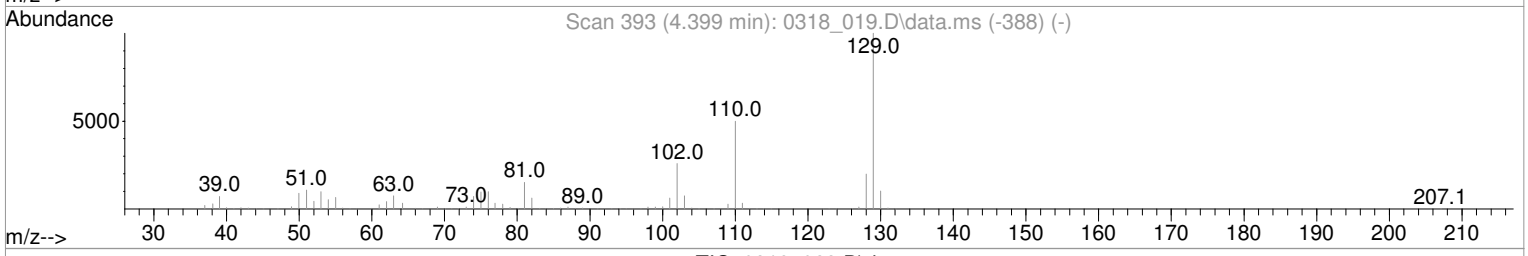
Ion	Exp%	Act%
110.00	100.00	0.00
81.00	30.30	0.00#
53.00	19.80	0.00
0.00	0.00	0.00

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_023.D
Acq On : 18 Mar 2022 10:47 pm
Operator : 917
Sample : STD TCL 50K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 23 09:09:30 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:09:26 2022
Response via : Initial Calibration







TIC: 0318_023.D\data.ms

(37) Hydroquinone

4.458min (+ 0.059) 34397.1702085 ppb m

response 1717175

Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	30.94
53.00	19.80	22.35
0.00	0.00	0.00

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488626	**Calibration (begin) date/time:**	02/11/22 11:40
Instrument ID:	BNAMS20	**Calibration (end) date/time:**	02/11/22 17:52
Lab File ID:	0211_25-1	**Analysis date/time:**	02/11/22 18:14
Analytical Method:	8270E	**Sample ID:**	SSCV

Analyte	Avg. RRF	RRF	Min. RRF	Diff.	Max Diff.	True Value	Result	Result	Limits
				%	%	mg/l	mg/l	% Rec.	%
1-METHYLNAPHTHALENE	0.578152	0.60798130		5.16		10	10.52	105	50 - 150
2-METHYLNAPHTHALENE	0.605229	0.61920310		2.31		10	10.23	102	50 - 150
3&4-METHYL PHENOL	1.308048	1.333818		1.97		10	10.20	102	50 - 150
ACENAPHTHENE	1.100041	1.122454		2.04		10	10.20	102	80 - 120
ACENAPHTHYLENE	1.575947	1.738816		10.30		10	11.03	110	50 - 150
ANTHRACENE	0.996099	1.038414		4.25		10	10.42	104	50 - 150
BENZO(A)ANTHRACENE	1.191209	1.129727		5.16		10	10.11	101	50 - 150
BENZO(A)PYRENE	0.903627	1.035850		14.60		10	11.46	115	80 - 120
BENZO(B)FLUORANTHENE	1.093318	1.117416		2.20		10	10.22	102	50 - 150
BENZO(G,H,I)PERYLENE	0.987230	0.980636		0.6680		10	9.933	99.30	50 - 150
BENZO(K)FLUORANTHENE	1.083418	1.132916		4.57		10	10.46	105	50 - 150
BIS(2-ETHYLHEXYL)PHTHALATE	0.803811	0.89936590		11.90		10	11.19	112	50 - 150
CARBAZOLE	0.954893	1.032307		8.11		10	10.81	108	50 - 150
CHRYSENE	1.167295	1.149122		1.56		10	9.844	98.40	50 - 150
DI-N-BUTYL PHTHALATE	1.100979	1.282562		16.50		10	11.65	117	50 - 150
DI-N-OCTYL PHTHALATE	1.233909	1.386450		12.40		10	9.929	99.30	80 - 120
DIBENZ(A,H)ANTHRACENE	1.093444	0.99789730		8.74		10	9.778	97.80	50 - 150
DIBENZOFURAN	1.463982	1.507524		2.97		10	10.30	103	50 - 150
FLUORANTHENE	0.999513	1.029437		2.99		10	10.30	103	80 - 120
FLUORENE	1.246631	1.317447		5.68		10	10.57	106	50 - 150
INDENO(1,2,3-CD)PYRENE	0.919587	0.92183740		0.2450		10	10.02	100	50 - 150
NAPHTHALENE	0.924899	0.96267570		4.08		10	10.41	104	50 - 150
PENTACHLOROPHENOL	0.099138	0.13648140		37.70		10	11.05	111	80 - 120
PHENANTHRENE	1.026137	1.046407		1.98		10	10.20	102	50 - 150
PHENOL	1.517993	1.567109		3.24		10	10.32	103	80 - 120
PYRENE	1.235972	1.287776		4.19		10	10.42	104	50 - 150
2,4,6-TRIBROMOPHENOL	0.081668	0.08192619		0.3160		10	10.03	100	50 - 150
2-FLUOROBIPHENYL	1.167452	1.173852		0.5480		10	10.05	101	50 - 150
2-FLUOROPHENOL	1.140240	1.132360		0.6910		10	9.931	99.30	50 - 150
NITROBENZENE-D5	0.338405	0.36157070		6.85		10	10.68	107	50 - 150
P-TERPHENYL-D14	0.944949	0.92099860		2.53		10	9.747	97.50	50 - 150
PHENOL-D5	1.452305	1.455333		0.2080		10	10.02	100	50 - 150

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 25.D
Acq On : 11 Feb 2022 6:14 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 2B08399 exp 06/30/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 21 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 18 12:09:28 2022
Quant Method : C:\msdchem\1\methods\S820B11AV.M
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.451	152	346887	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.198	136	1414825	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.375	164	779779	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.498	188	1358784	8000.0000000 ppb	0.00
84) Chrysene-d12	9.363	240	1132211	8000.0000000 ppb	0.00
94) Perylene-d12	12.092	264	1054244	8000.0000000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.757	112	491001	9930.8881747 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 248.27%#		
7) Phenol-d5	3.210	99	631045	10020.8502036 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 250.52%#		
24) Nitrobenzene-d5	3.757	82	639449	10684.5456067 ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 534.23%#		
50) 2-Fluorobiphenyl	4.887	172	1144181	10054.8123708 ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 502.74%#		
73) 2,4,6-Tribromophenol	5.957	330	139150	10031.5695950 ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 250.79%#		
87) p-Terphenyl-d14	7.928	244	1303456	9746.5483622 ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 487.33%#		
Target Compounds					Qvalue
2) Pyridine	2.199	79	573878	10566.0284136 ppb	97
3) N-Nitrosodimethylamine	2.163	42	299171	9702.2149593 ppb	98
5) Aniline	3.263	66	304714	10024.5598864 ppb	97
6) bis(2-Chloroethyl)ether	3.287	93	522236	10393.2485743 ppb	99
8) Phenol	3.222	94	679512	10323.5573841 ppb	100
10) 2-Chlorophenol	3.334	128	595113	10620.3786966 ppb	98
11) n-Decane	3.340	41	348475	10125.3384354 ppb	99
12) 1,3-Dichlorobenzene	3.422	146	625426	10366.8605394 ppb	99
13) 1,4-Dichlorobenzene	3.457	146	631396	10210.4549360 ppb	94
14) Benzyl Alcohol	3.510	79	457887	10447.5148778 ppb	98
15) 1,2-Dichlorobenzene	3.545	146	607209	10406.6952581 ppb	99
16) bis(2-Chloroisopropyl)...	3.587	121	206200	10477.2737393 ppb	96
17) 2,2-oxybis(1-chloropro...	3.587	121	206200	10477.2737393 ppb	96
18) 2-Methylphenol	3.557	108	516943	10439.0636619 ppb	99
19) Hexachloroethane	3.745	117	250698	10234.2559080 ppb	98
20) N-Nitrosodi-n-propylamine	3.657	70	410086	10554.9676048 ppb	98
21) 3&4-Methyl phenol	3.645	107	578355	10197.0095460 ppb	99
25) Nitrobenzene	3.769	77	590115	10557.4448968 ppb	99
26) Isophorone	3.904	82	1075222	10424.4531427 ppb	91
27) 2-Nitrophenol	3.957	139	303838	10880.0464990 ppb	99
28) 2,4-Dimethylphenol	3.963	107	566245	10278.3748675 ppb	99
29) bis(2-Chlorethoxy)methane	4.022	93	677484	10640.7243766 ppb	99
30) 2,4-Dichlorophenol	4.098	162	455184	10366.6829553 ppb	96
32) 1,2,4-Trichlorobenzene	4.157	180	485955	10278.1805344 ppb	99
34) Naphthalene	4.216	128	1702522m	10408.4399109 ppb	
35) 4-Chloroaniline	4.228	65	211424	10229.9604413 ppb	96
36) Hexachloro-1,3-butadiene	4.281	225	278447	11132.3587672 ppb	95
40) 4-Chloro-3-methylphenol	4.516	107	482342	10281.0356635 ppb	92
41) 2-Methylnaphthalene	4.651	142	1095080	10230.8933674 ppb	99
42) 1-Methylnaphthalene	4.716	142	1075234	10515.9490395 ppb	99

Data Path : C:\msdchem\1\data\021122\
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Acq On : 11 Feb 2022 6:14 pm
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Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 21 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 18 12:09:28 2022
Quant Method : C:\msdchem\1\methods\S820B11AV.M
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.757	237	256455	8034.6176092 ppb		99
48)	2,4,6-Trichlorophenol	4.828	196	315302	10419.4779887 ppb		96
49)	2,4,5-Trichlorophenol	4.851	196	334436	10143.2426970 ppb		97
51)	Biphenyl	4.963	154	1339523	10193.2643102 ppb		100
52)	2-Chloronaphthalene	4.981	162	1064864	10395.0489108 ppb		96
53)	2-Nitroaniline	5.040	138	376615	10717.0535965 ppb		99
54)	Acenaphthylene	5.275	152	1694865	11033.4673580 ppb		100
55)	Dimethyl phthalate	5.157	163	1197504	10290.5328018 ppb		94
56)	2,6-Dinitrotoluene	5.204	165	285344	10677.0520844 ppb		96
57)	3-Nitroaniline	5.328	138	331056	10753.3893398 ppb		96
58)	Acenaphthene	5.398	153	1094083	10203.7484350 ppb		99
59)	2,4-Dinitrophenol	5.398	184	142292	9449.6804546 ppb	#	58
60)	Dibenzofuran	5.522	168	1469419	10297.4197357 ppb		100
61)	2,4-Dinitrotoluene	5.492	165	371759	10936.8560566 ppb		84
63)	4-Nitrophenol	5.422	139	270008m	10866.7160806 ppb		
64)	Fluorene	5.775	166	1284147	10568.0605569 ppb		99
65)	4-Chlorophenyl-phenyle...	5.769	204	547629	10049.7703680 ppb		95
66)	Diethyl phthalate	5.669	149	1241075	10387.5557361 ppb		99
67)	4-Nitroaniline	5.775	138	366398	10763.3452331 ppb		99
68)	Azobenzene	5.887	77	1313488	10703.1869726 ppb		99
71)	4,6-Dinitro-2-methylph...	5.798	198	179269	9450.2277780 ppb	#	82
72)	N-Nitrosodiphenylamine	5.851	169	1064490	10332.5511392 ppb		100
74)	4-Bromophenyl-phenylether	6.139	248	297298	10161.0120500 ppb		91
75)	Hexachlorobenzene	6.198	284	331642	9987.2871823 ppb		99
76)	n-octadecane	6.386	55	205883	9829.7157101 ppb		99
77)	Pentachlorophenol	6.339	266	231811	11050.9837052 ppb		95
78)	Phenanthrene	6.516	178	1777301	10197.5396946 ppb		99
79)	Anthracene	6.557	178	1763725	10424.8066361 ppb		99
80)	Carbazole	6.675	167	1753352	10810.7093591 ppb		99
81)	Di-n-butyl phthalate	6.945	149	2178406	11649.2918895 ppb		99
83)	Fluoranthene	7.539	202	1748478	10299.3828516 ppb		99
86)	Pyrene	7.769	202	1822543	10419.1401702 ppb		100
88)	Benzylbutyl phthalate	8.533	149	890396	11024.9483680 ppb		100
90)	Benzo(a)anthracene	9.345	228	1598862	10114.7614323 ppb		99
91)	Chrysene	9.404	228	1626310	9844.3080758 ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.445	149	1272840	11188.7777745 ppb		99
93)	Di-n-octyl phthalate	10.686	149	1962192	9928.6111203 ppb		100
95)	Benzo(b)fluoranthene	11.316	252	1472536	10220.4077109 ppb		100
96)	Benzo(k)fluoranthene	11.369	252	1492963	10456.8707777 ppb		99
97)	Benzo(a)pyrene	11.974	252	1365048	11463.2475215 ppb		99
98)	Indeno(1,2,3-cd)pyrene	13.992	276	1214802m	10024.4675923 ppb		
99)	Dibenz(a,h)anthracene	14.039	278	1315034	9777.7859871 ppb		99
100)	Benzo(g,h,i)perylene	14.327	276	1292287	9933.2019586 ppb		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 25.D
Acq On : 11 Feb 2022 6:14 pm
Operator : 917
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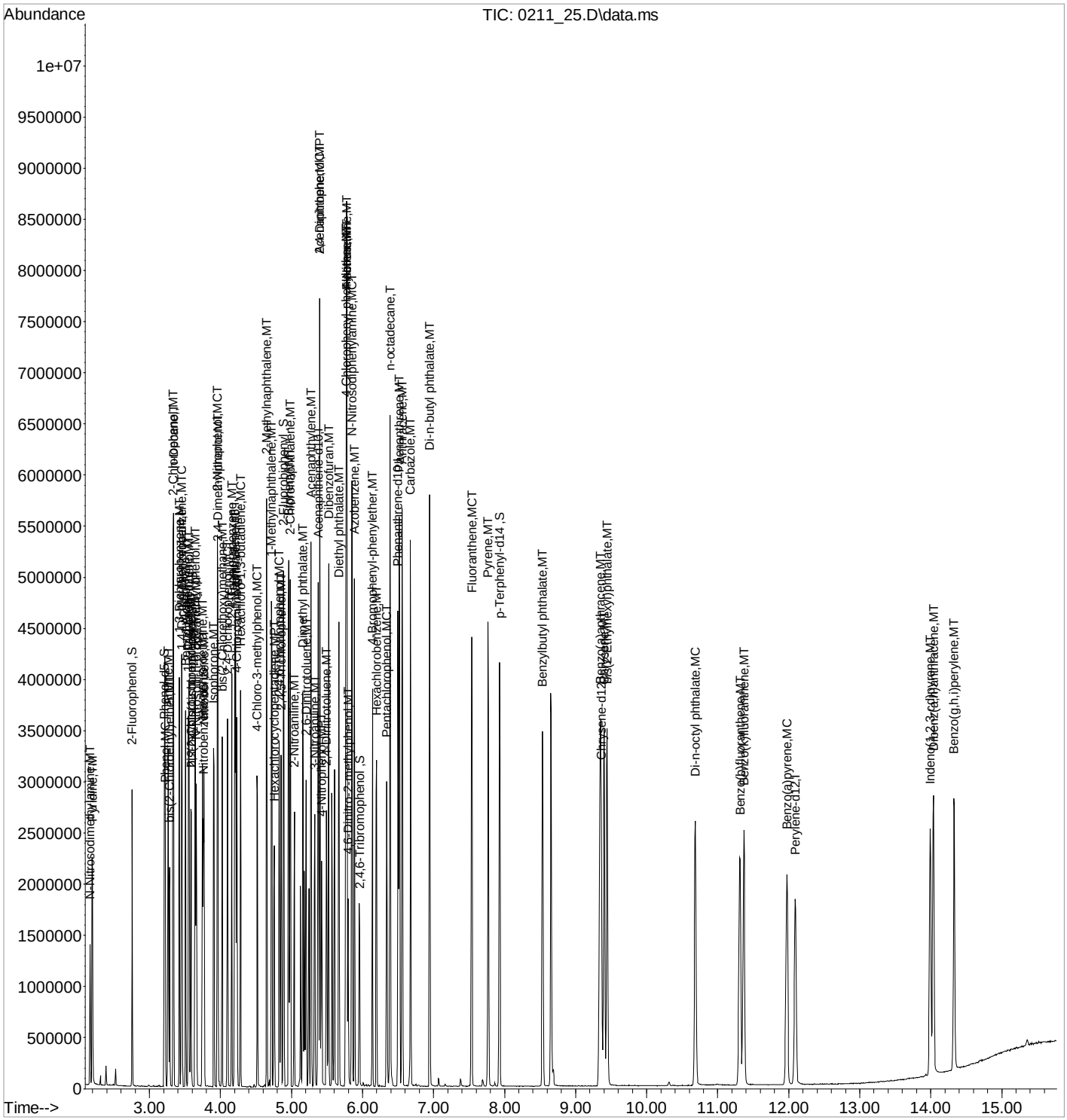
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 21 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 18 12:09:28 2022
Quant Method : C:\msdchem\1\methods\S820B11AV.M
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 25.D
Acq On : 11 Feb 2022 6:14 pm
Operator : 917
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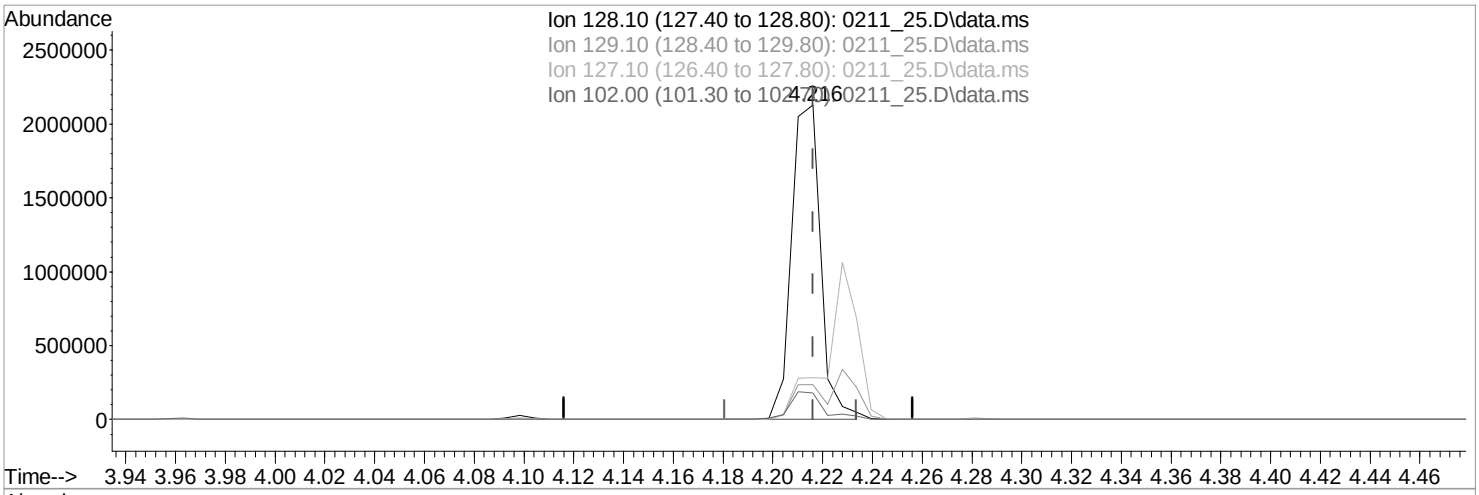
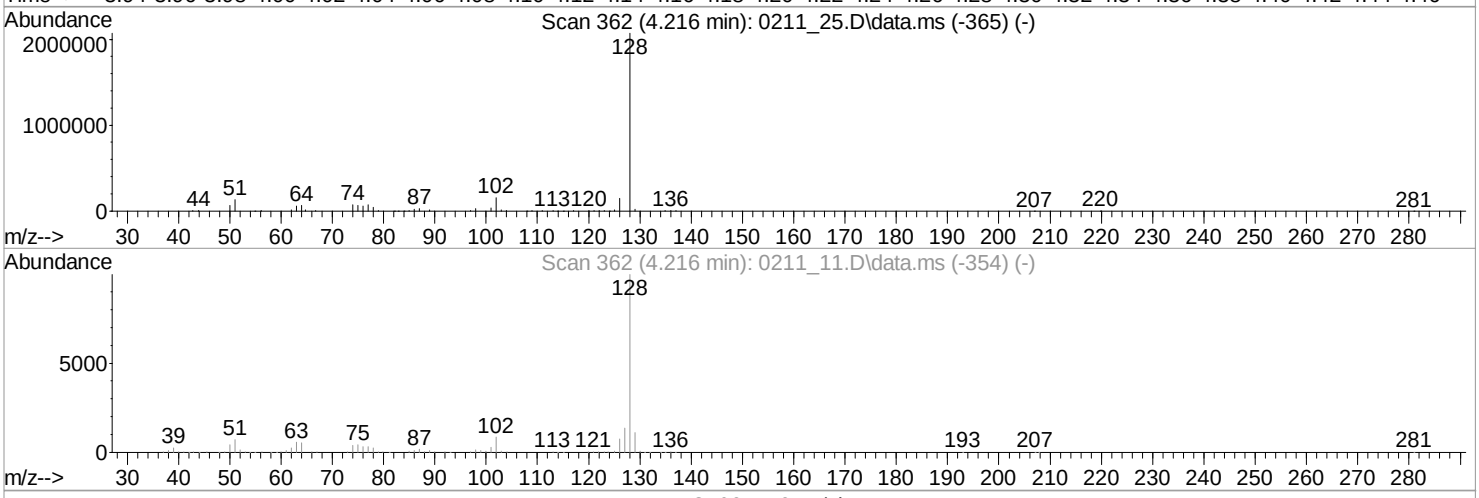
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 21 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 18 12:03:26 2022
Quant Method : C:\msdchem\1\methods\S820B11AV.M
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_25.D\data.ms

(34) Naphthalene (MT)

4.216min (-0.000) 10519.9509186 ppb

Qvalue = 100

response 1720762

Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.16
127.10	13.40	13.43
102.00	8.60	8.38

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 25.D
Acq On : 11 Feb 2022 6:14 pm
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Sample : SSCV SVMS 10K ppb 2B08399 exp 06/30/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
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InstName : BNAMS20

Quant Time: Feb 18 12:03:26 2022
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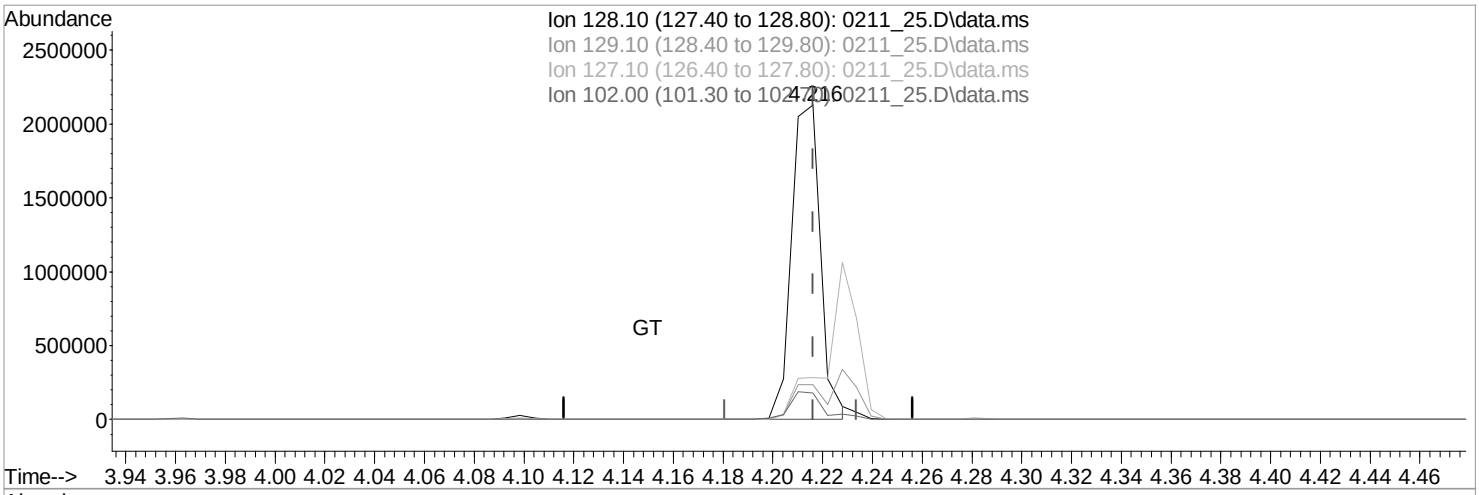
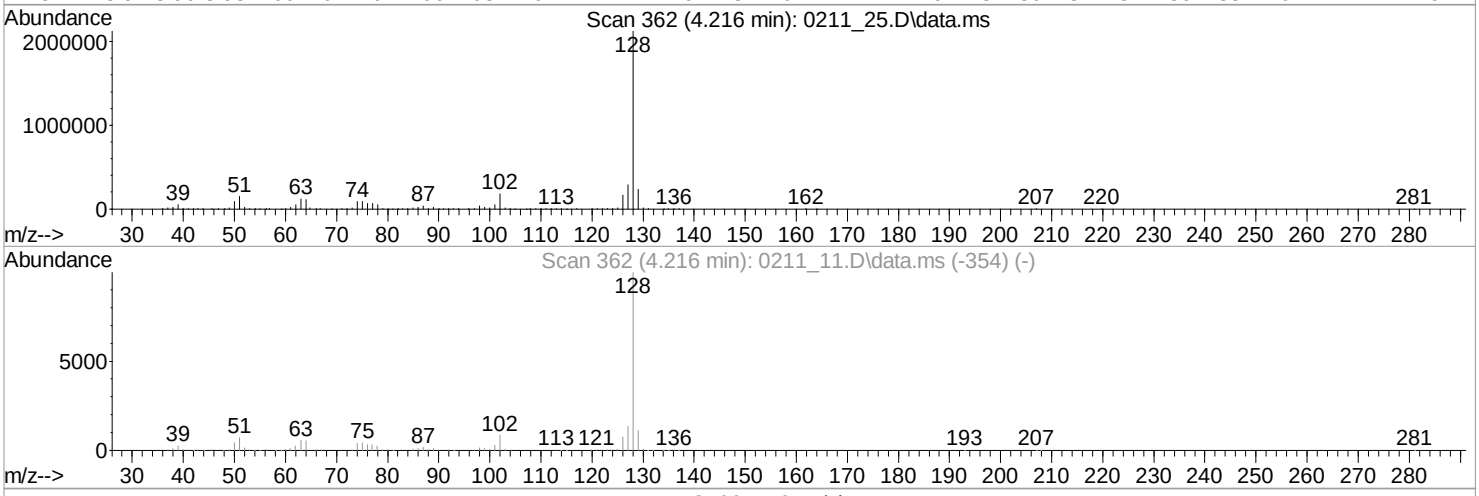
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_25.D\data.ms

(34) Naphthalene (MT)

4.216min (-0.000) 10408.4399109 ppb m

response 1702522

Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.16
127.10	13.40	13.43
102.00	8.60	8.38

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
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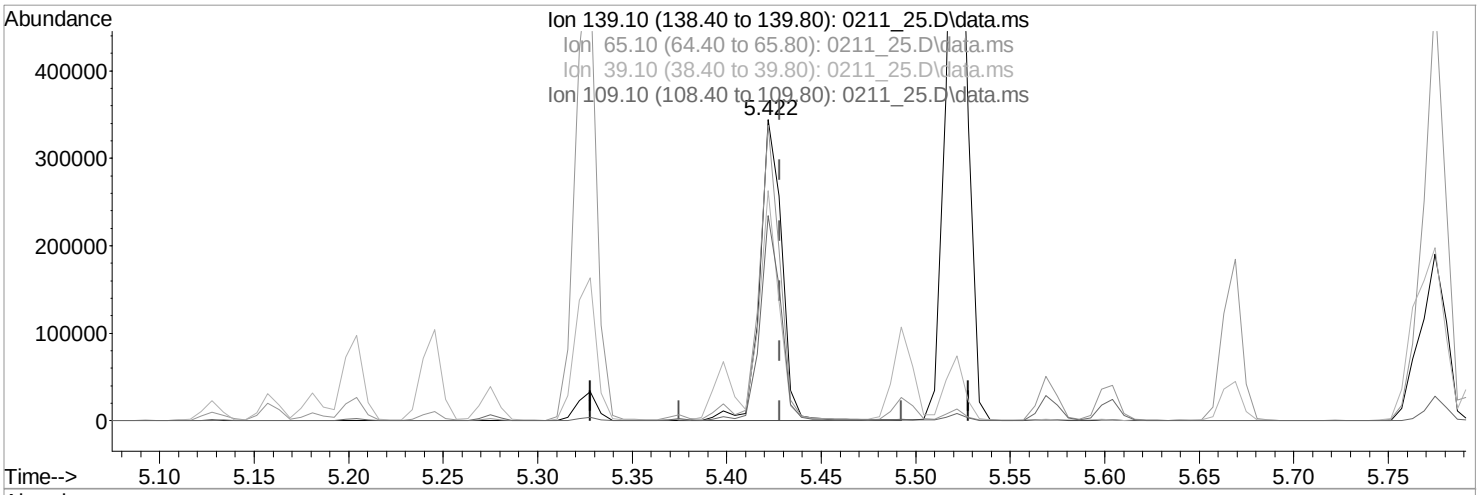
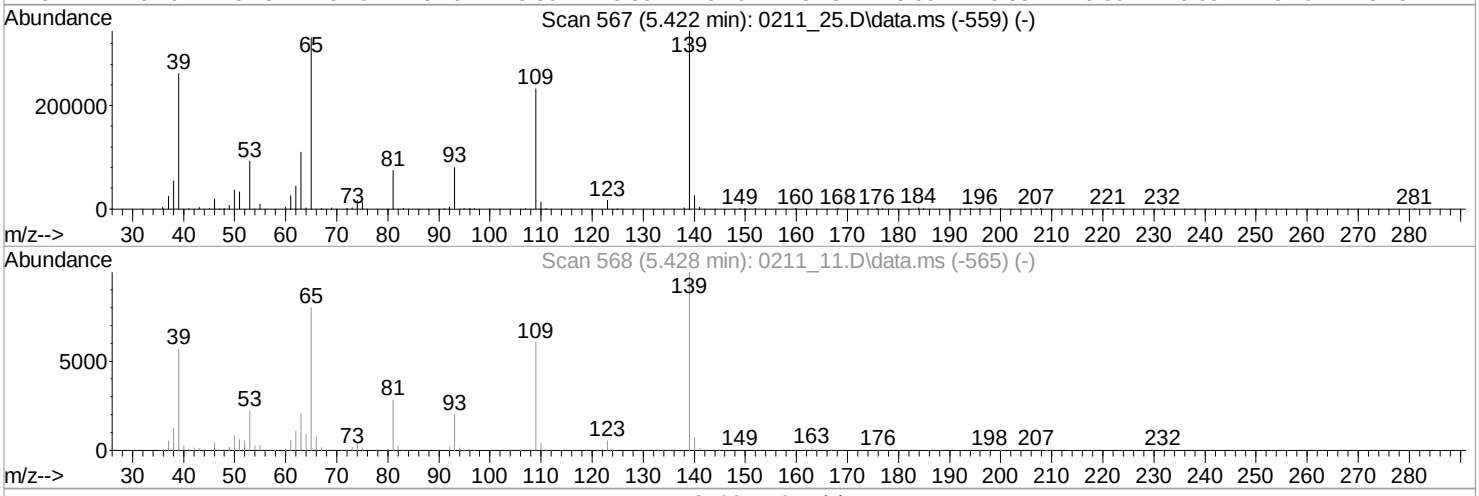
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_25.D\data.ms

(63) 4-Nitrophenol (MPT)

5.422min (-0.006) 11270.3422531 ppb

Qvalue = 84

response 280037

Ion	Exp%	Act%
139.10	100	100
65.10	81.20	96.09
39.10	58.80	75.96
109.10	61.10	67.45

Quantitation Report (Qedit)

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Quant Title : 8270 BNA
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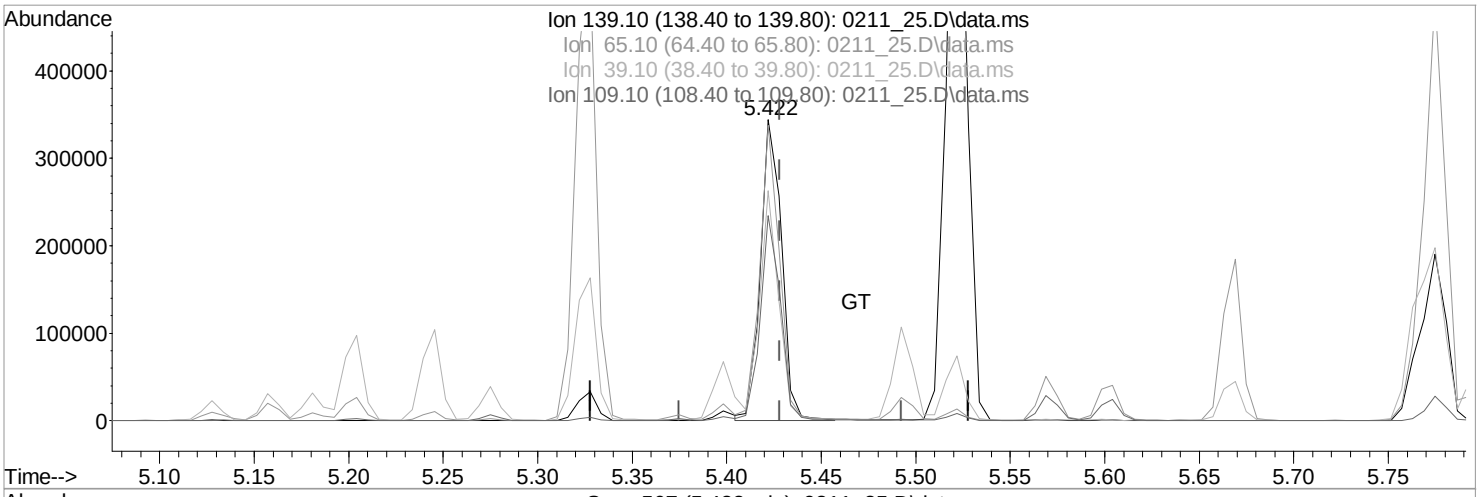
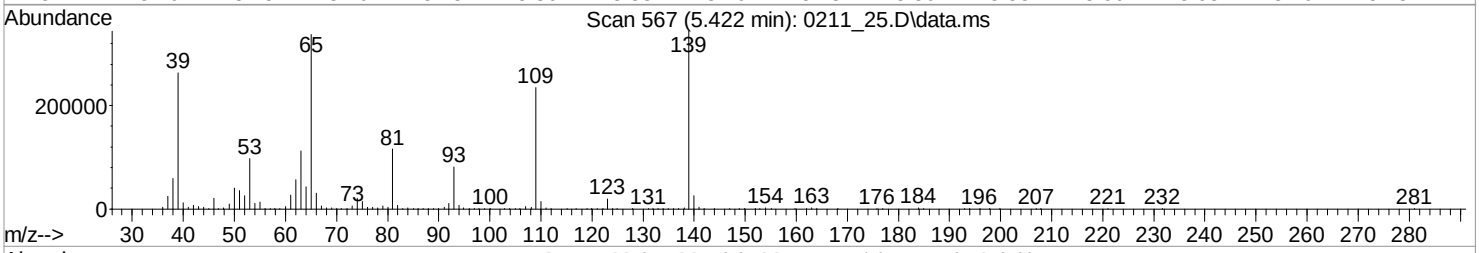
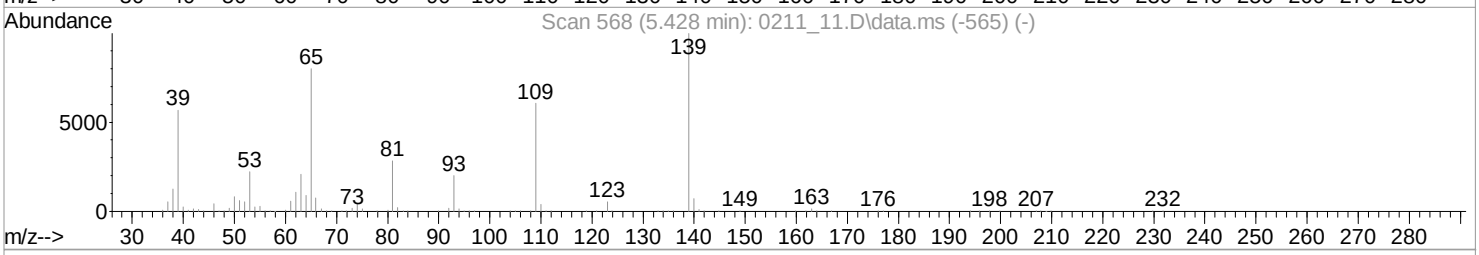
DataAcq Meth:BNA20SP.M







TIC: 0211_25.D\data.ms

(63) 4-Nitrophenol (MPT)

5.422min (-0.006) 10866.7160806 ppb m

response 270008

Ion	Exp%	Act%
139.10	100	100
65.10	81.20	98.12
39.10	58.80	76.38
109.10	61.10	68.02

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 25.D
Acq On : 11 Feb 2022 6:14 pm
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Sample : SSCV SVMS 10K ppb 2B08399 exp 06/30/22
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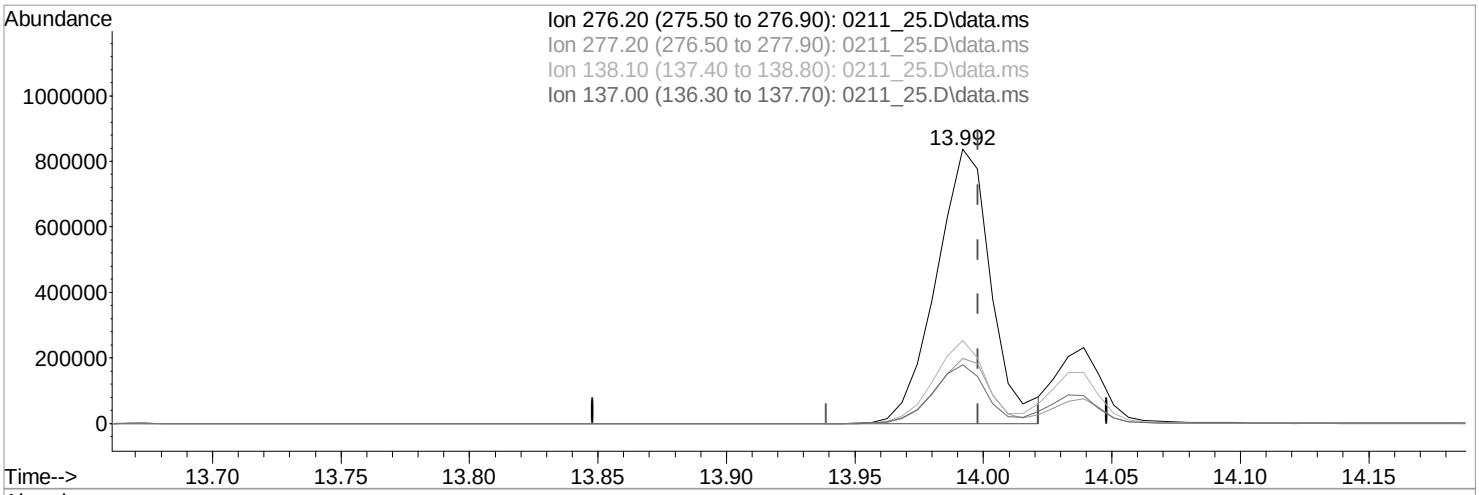
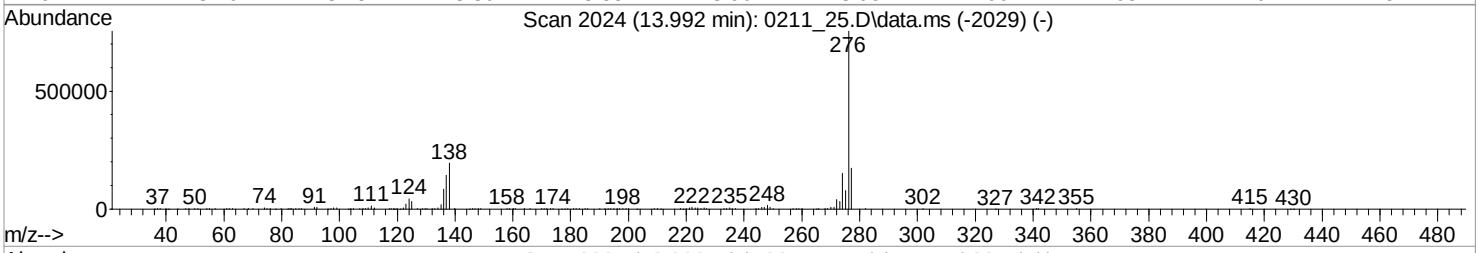
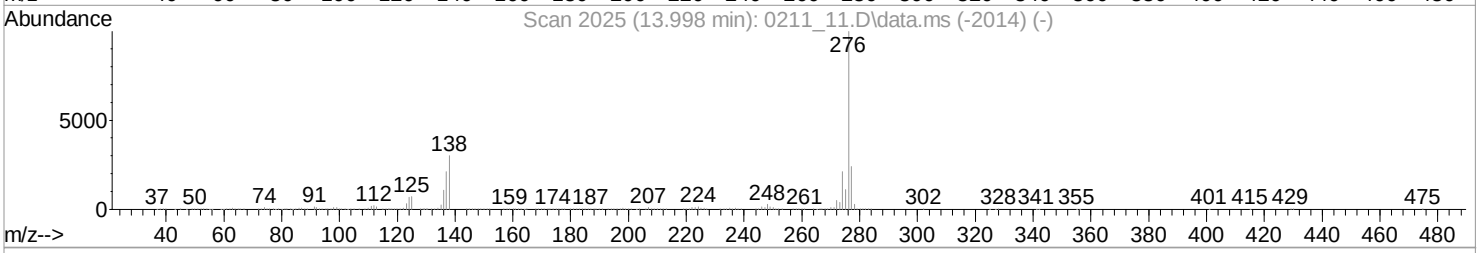
DataAcq Meth:BNA20SP.M







TIC: 0211_25.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

13.992min (-0.006) 10263.1135632 ppb

Qvalue = 99

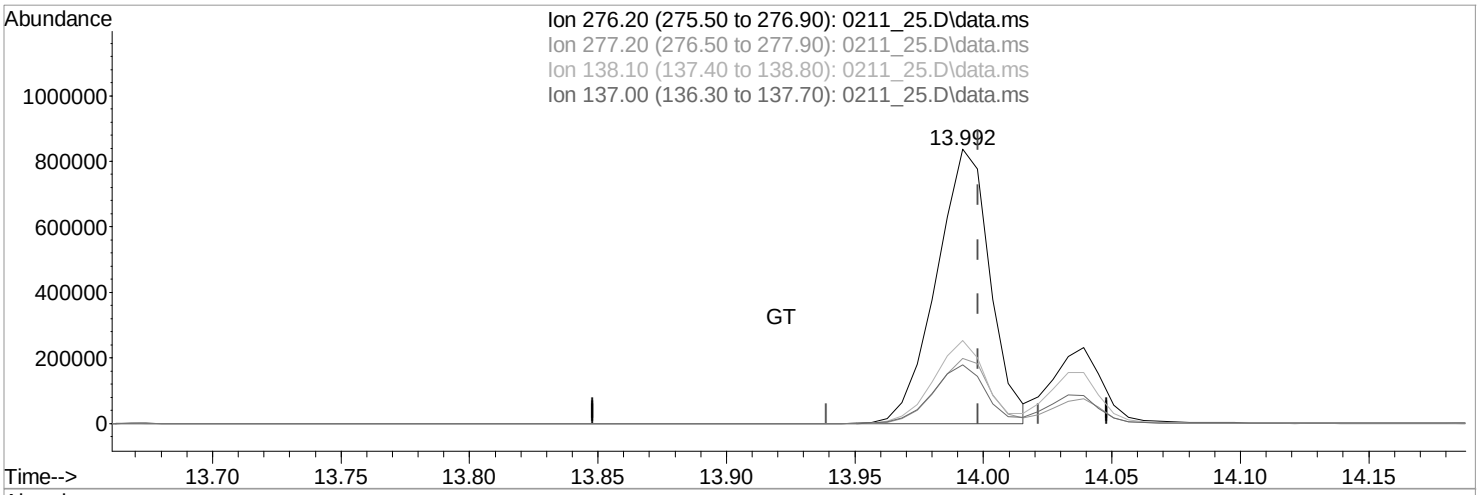
response 1243722

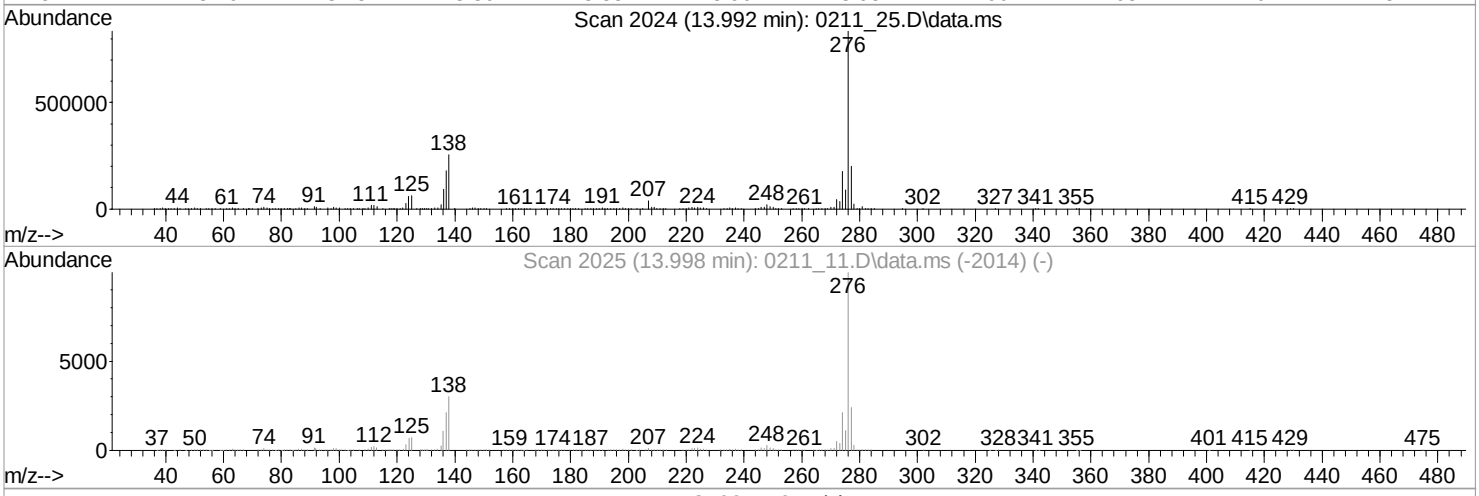
Ion	Exp%	Act%
276.20	100	100
277.20	24.10	23.77
138.10	30.00	30.33
137.00	21.20	21.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 25.D
Acq On : 11 Feb 2022 6:14 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 2B08399 exp 06/30/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 21 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 18 12:03:26 2022
Quant Method : C:\msdchem\1\methods\S820B11AV.M
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_25.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

13.992min (-0.006) 10024.4675923 ppb m

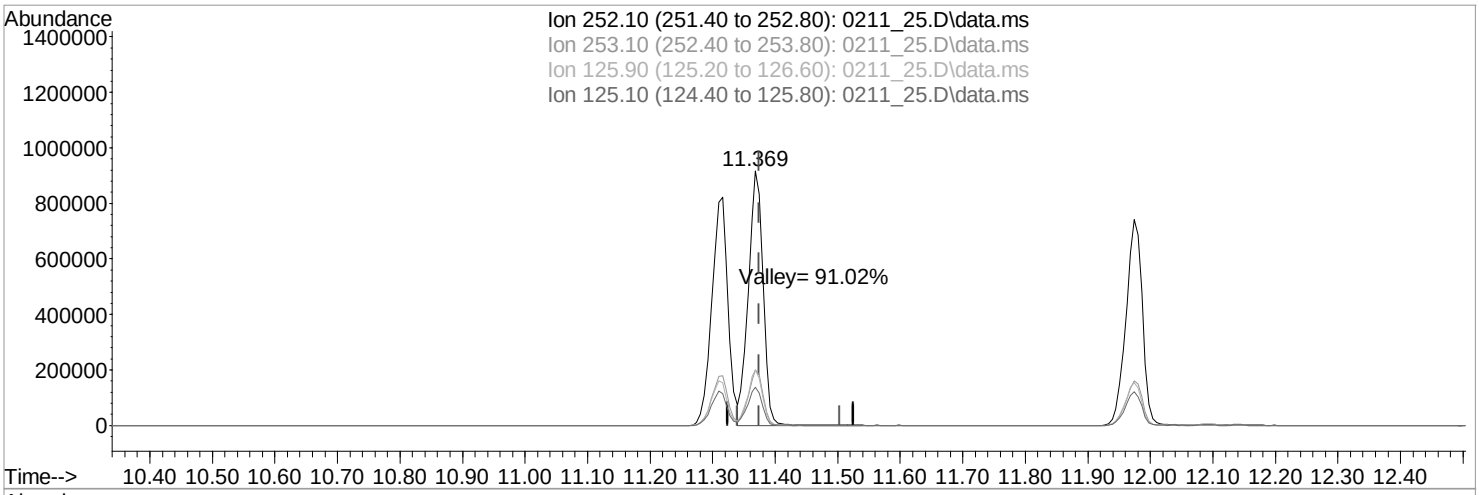
response 1214802

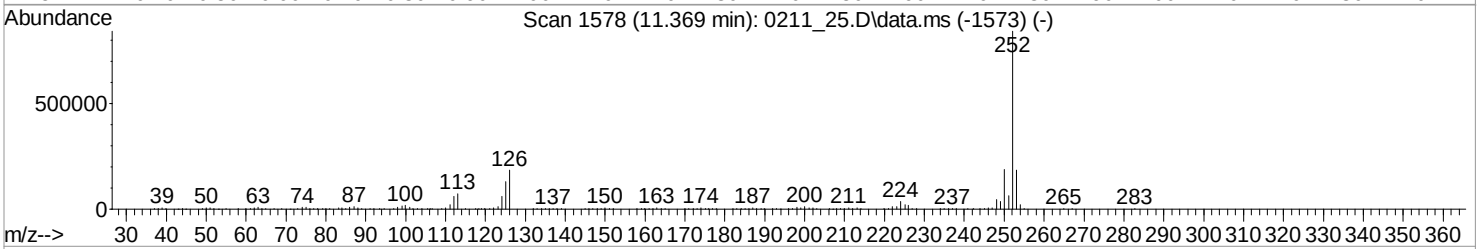
Ion	Exp%	Act%
276.20	100	100
277.20	24.10	23.77
138.10	30.00	30.33
137.00	21.20	21.48

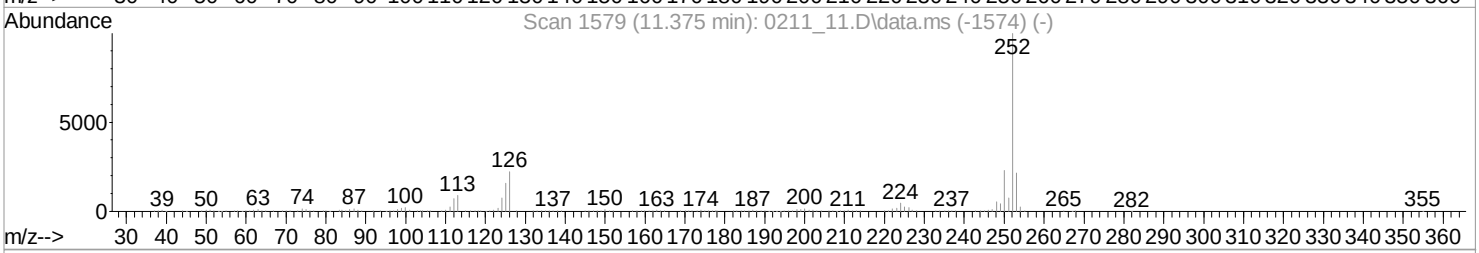
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 25.D
Acq On : 11 Feb 2022 6:14 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 2B08399 exp 06/30/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 21 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 18 12:03:26 2022
Quant Method : C:\msdchem\1\methods\S820B11AV.M
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_25.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.369min (-0.006) 10456.8707777 ppb

Qvalue = 99

response 1492963

Ion	Exp%	Act%
252.10	100	100
253.10	21.70	21.87
125.90	22.10	21.80
125.10	15.60	15.09

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488626	**Calibration (begin) date/time:**	02/11/22 11:40
Instrument ID:	BNAMS20	**Calibration (end) date/time:**	02/11/22 17:52
Lab File ID:	0211_26-1	**Analysis date/time:**	02/11/22 18:36
Analytical Method:	8270E	**Sample ID:**	SSCV

Analyte	Avg. RRF	RRF	Min. RRF	Diff.	Max Diff.	True Value	Result	Result	Limits
				%	*%*	*mg/l*	*mg/l*	*% Rec.*	*%*
BENZOIC ACID	0.154570	0.16206840		4.85		10	10.49	105	50 - 150

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 26.D
Acq On : 11 Feb 2022 6:36 pm
Operator : 917
Sample : SSCV TCL 10K1 ppb 2B08400 exp 05/01/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 22 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 18 12:06:41 2022
Quant Method : C:\msdchem\1\methods\S820B11AV.M
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

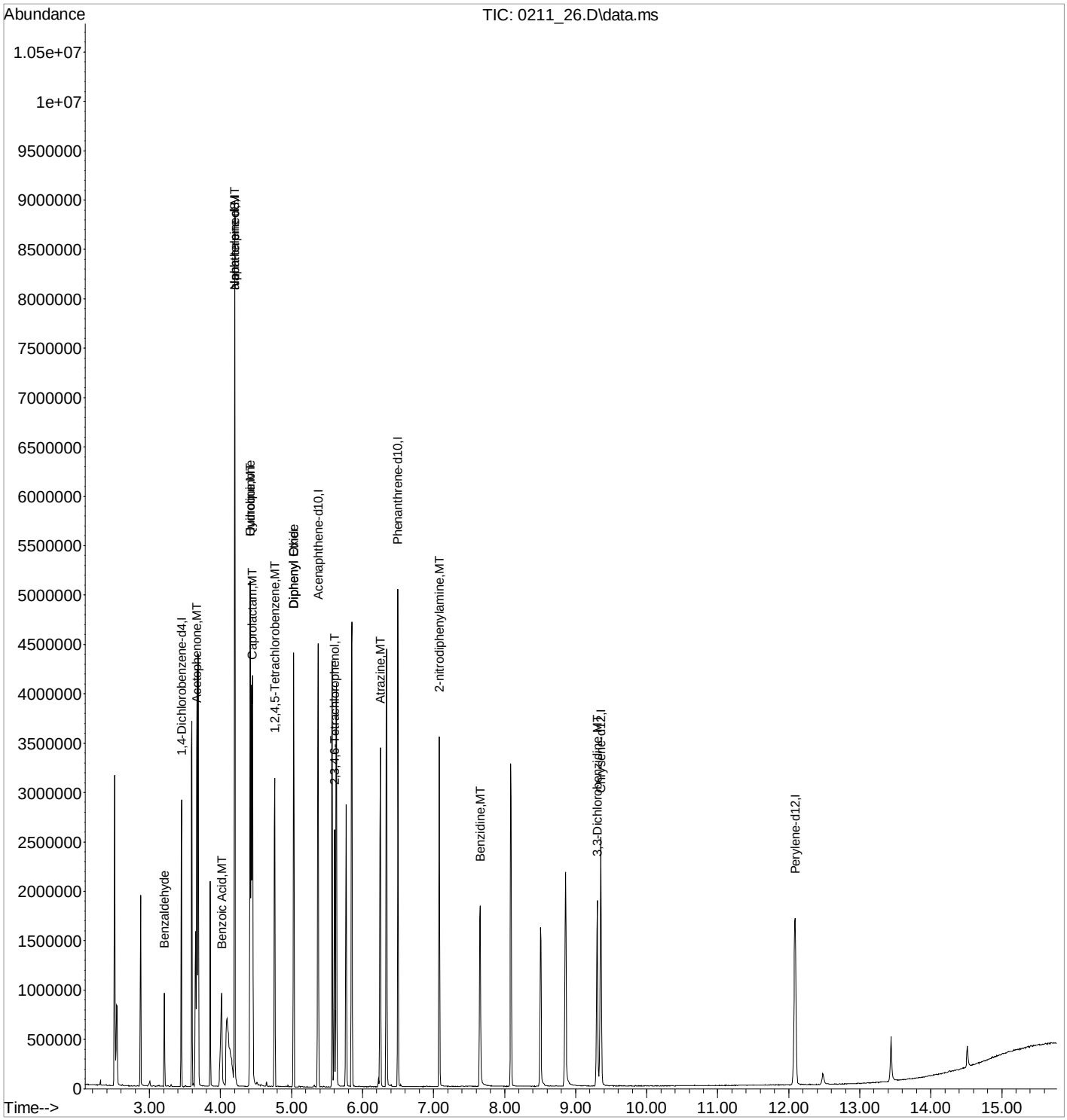
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.451	152	339040	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.198	136	1610441	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.375	164	761018	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.498	188	1344161	8000.0000000	ppb	0.00
84) Chrysene-d12	9.357	240	1121003	8000.0000000	ppb	0.00
94) Perylene-d12	12.092	264	1030959	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb	
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#		
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb	
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#		
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb	
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
9) Benzaldehyde	3.210	105	111842	7508.8354314	ppb	98
22) Acetophenone	3.663	105	688340	9934.4847407	ppb #	83
31) Benzoic Acid	4.016	105	326252	10485.1134450	ppb #	58
33) alpha-terpineol	4.198	59	454566	10621.0655045	ppb	98
37) Hydroquinone	4.416	110	268997m	5117.1683838	ppb	
38) Quinoline	4.416	129	1114418	10153.8619501	ppb	98
39) Caprolactam	4.446	113	188168	11293.2227635	ppb #	48
43) 1,2,4,5-Tetrachloroben...	4.763	216	414213	9753.3534387	ppb	99
44) Diphenyl Ether	5.028	170	647250	9588.6674008	ppb	100
45) Diphenyl Oxide	5.028	170	647250	9588.6674008	ppb	100
62) 2,3,4,6-Tetrachlorophenol	5.604	232	222135	9955.5879696	ppb	98
69) Atrazine	6.251	200	290314	9823.8435029	ppb #	80
82) 2-nitrodiphenylamine	7.081	167	363254	9000.9492309	ppb	98
85) Benzidine	7.657	184	747814	8935.1379508	ppb #	100
89) 3,3-Dichlorobenzidine	9.304	252	495203	9351.9568893	ppb	99

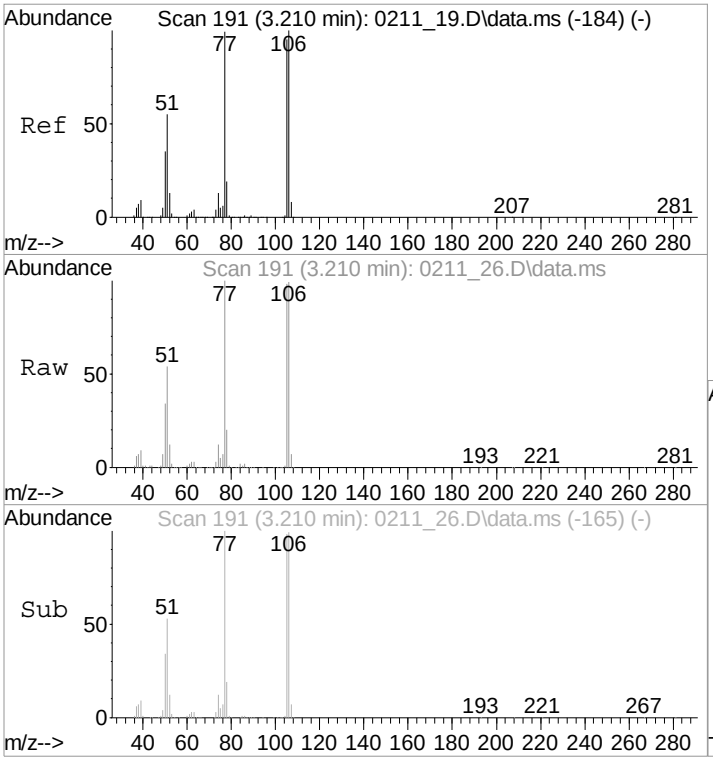
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 26.D
Acq On : 11 Feb 2022 6:36 pm
Operator : 917
Sample : SSCV TCL 10K1 ppb 2B08400 exp 05/01/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 22 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 18 12:06:41 2022
Quant Method : C:\msdchem\1\methods\S820B11AV.M
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

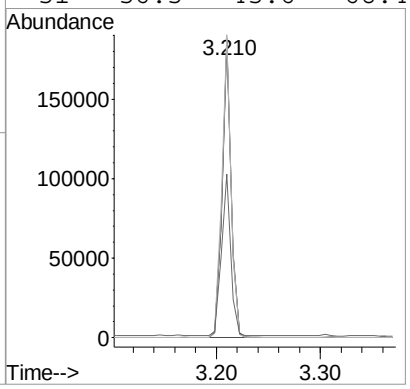


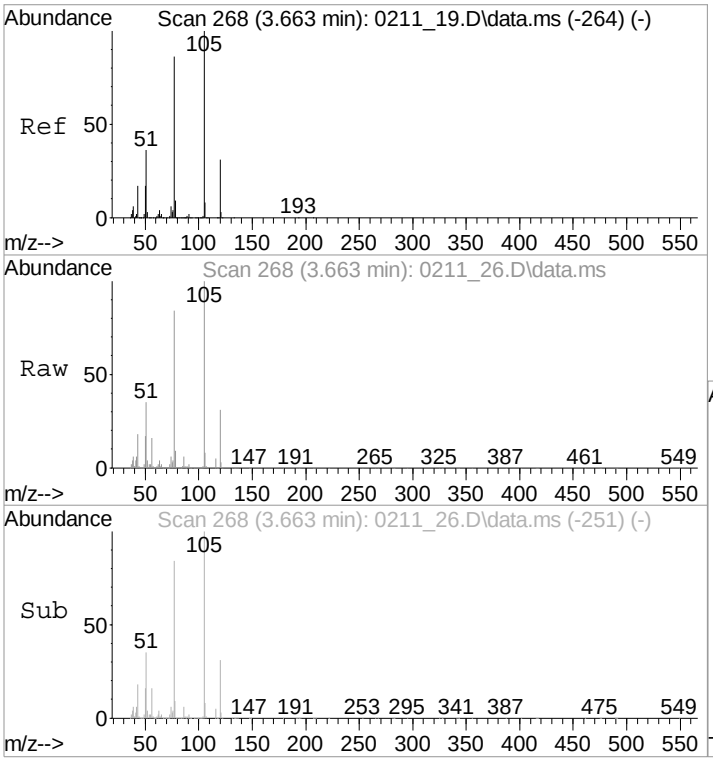


#9
Benzaldehyde
Concen: 7508.8354314 ppb
RT: 3.210 min Scan# 191
Delta R.T. 0.000 min
Lab File: 0211 26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:105 Resp: 111842

Ion	Ratio	Lower	Upper
105	100		
106	101.1	83.7	125.5
77	105.2	83.5	125.3
51	56.5	45.6	68.4

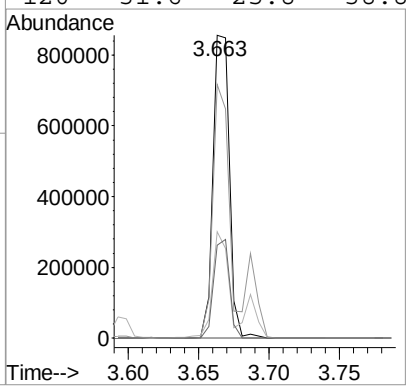


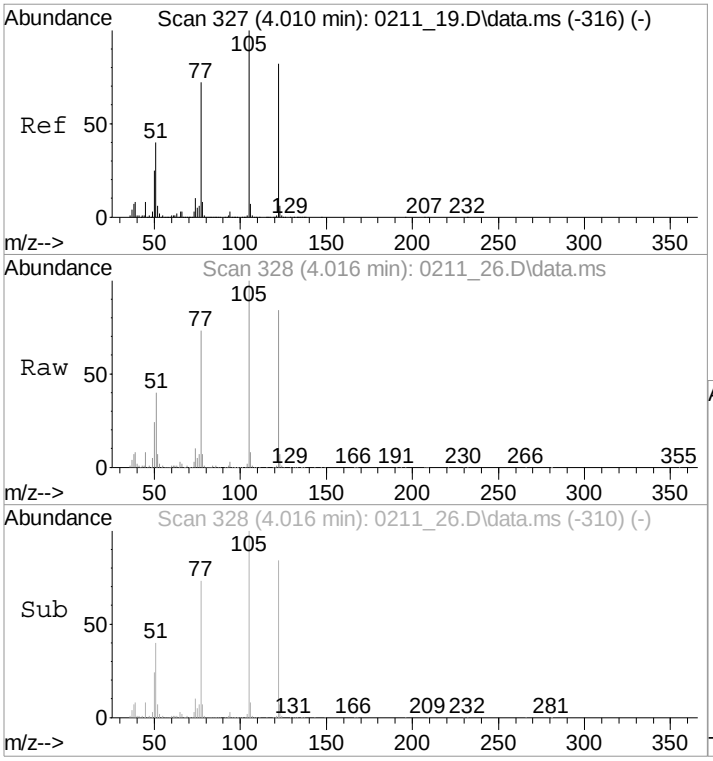


#22
Acetophenone
Concen: 9934.4847407 ppb
RT: 3.663 min Scan# 268
Delta R.T. 0.000 min
Lab File: 0211_26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:105 Resp: 688340

Ion	Ratio	Lower	Upper
105	100		
77	100.8	64.6	97.0#
51	44.1	26.6	39.8#
120	31.6	25.8	38.8

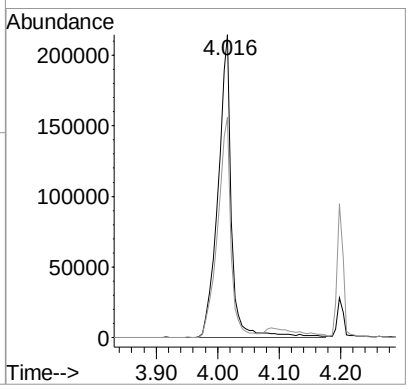


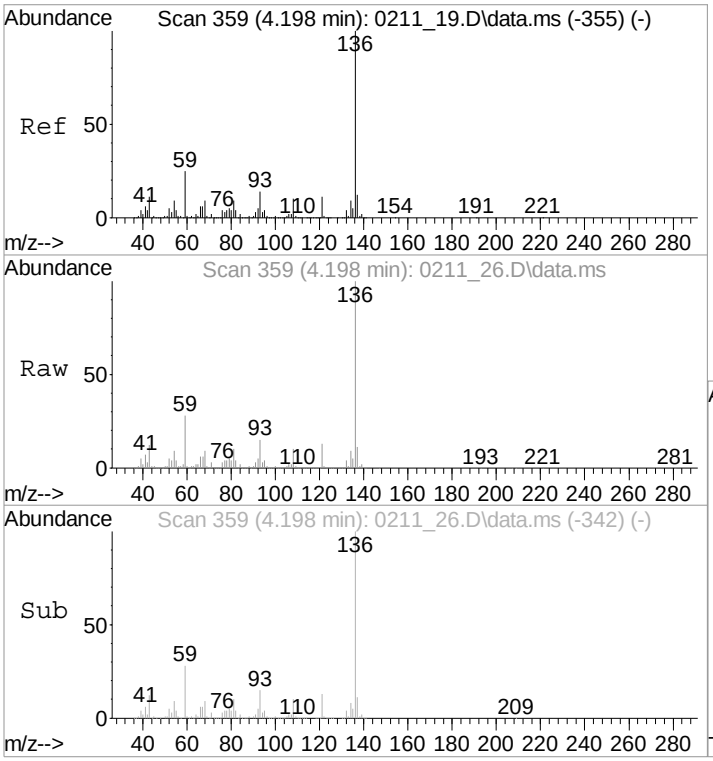


#31
Benzoic Acid
Concen: 10485.1134450 ppb
RT: 4.016 min Scan# 328
Delta R.T. 0.006 min
Lab File: 0211 26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:105 Resp: 326252

Ion	Ratio	Lower	Upper
105	100		
77	71.7	24.3	64.3#

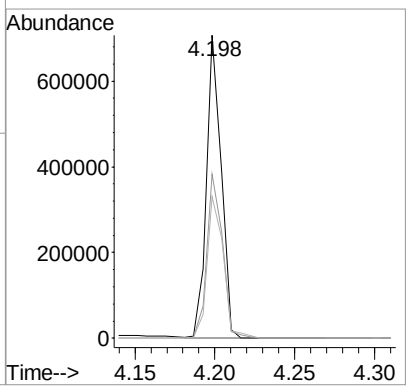


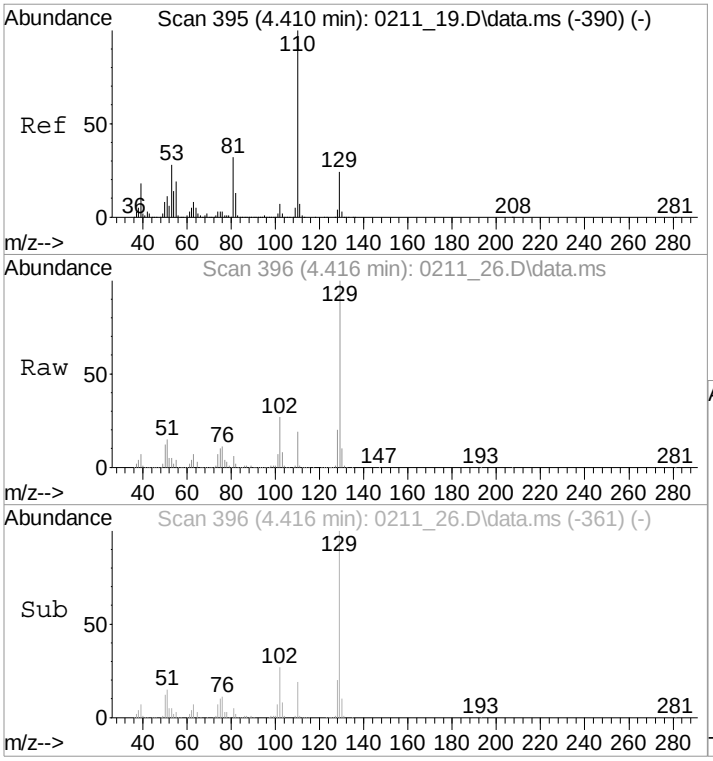


#33
alpha-terpineol
Concen: 10621.0655045 ppb
RT: 4.198 min Scan# 359
Delta R.T. 0.000 min
Lab File: 0211_26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion: 59 Resp: 454566

Ion	Ratio	Lower	Upper
59	100		
93	54.1	33.7	73.7
121	46.6	23.9	63.9

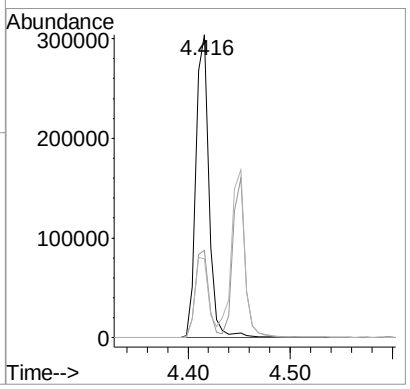


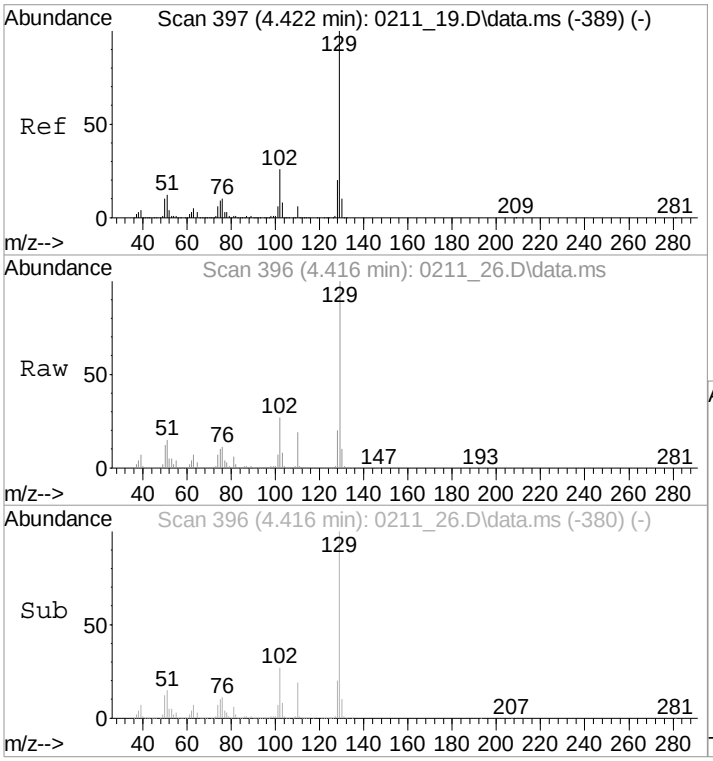


#37
Hydroquinone
Concen: 5117.1683838 ppb m
RT: 4.416 min Scan# 396
Delta R.T. 0.006 min
Lab File: 0211 26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:110 Resp: 268997

Ion	Ratio	Lower	Upper
110	100		
81	28.8	11.6	51.6
53	26.0	8.1	48.1

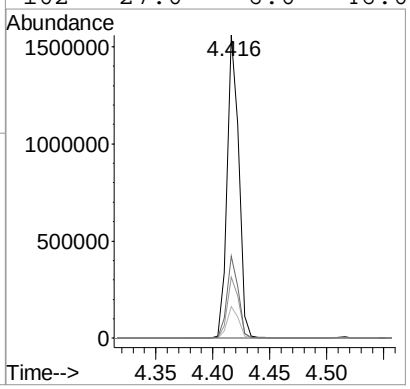


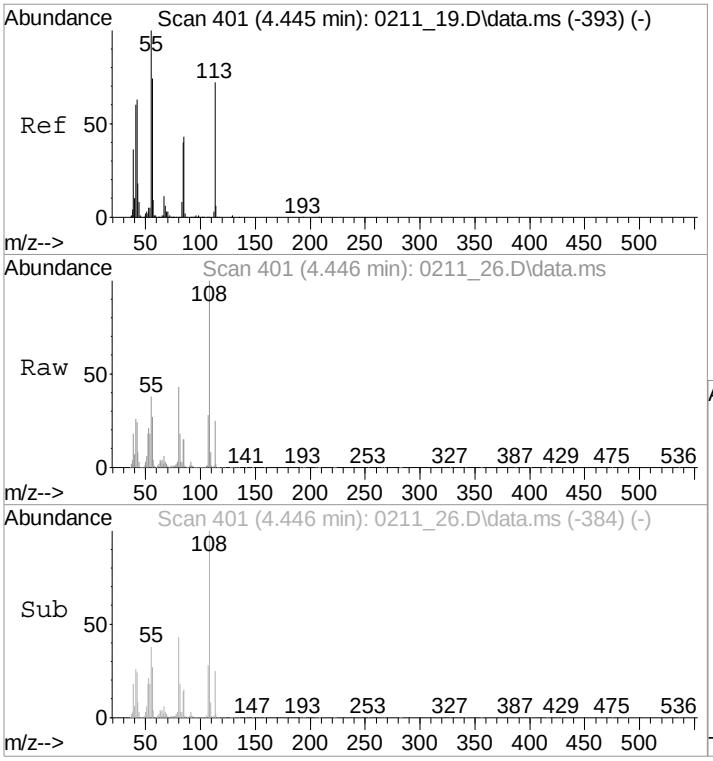


#38
Quinoline
Concen: 10153.8619501 ppb
RT: 4.416 min Scan# 396
Delta R.T. -0.005 min
Lab File: 0211_26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:129 Resp: 1114418

Ion	Ratio	Lower	Upper
129	100		
128	20.1	0.0	39.5
130	10.3	0.0	30.0
102	27.0	6.0	46.0

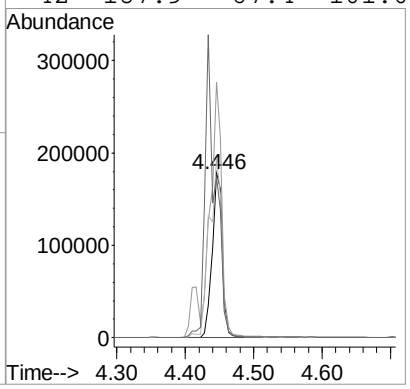


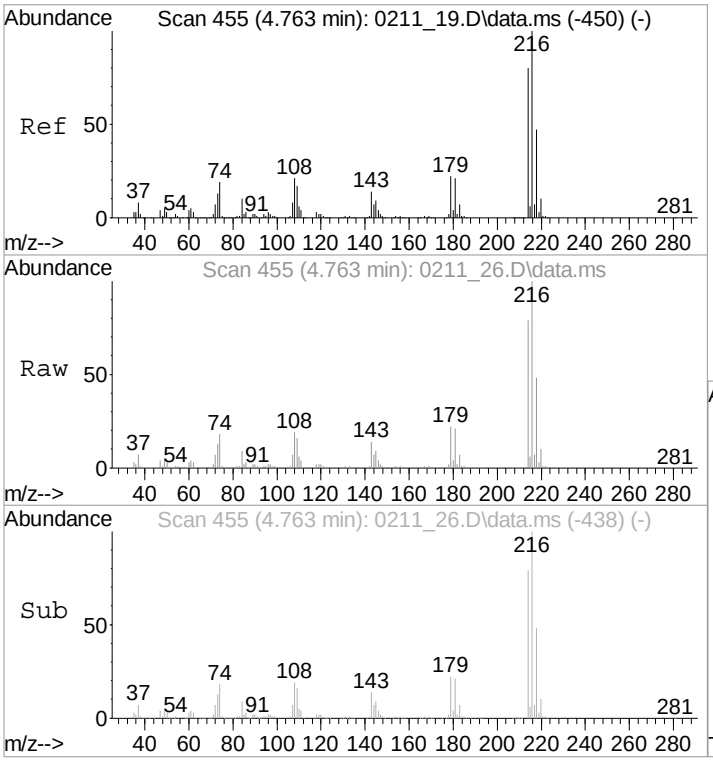


#39
Caprolactam
Concen: 11293.2227635 ppb
RT: 4.446 min Scan# 401
Delta R.T. 0.000 min
Lab File: 0211 26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:113 Resp: 188168

Ion	Ratio	Lower	Upper
113	100		
55	168.7	109.9	164.9#
56	136.8	80.4	120.6#
42	187.9	67.4	101.0#

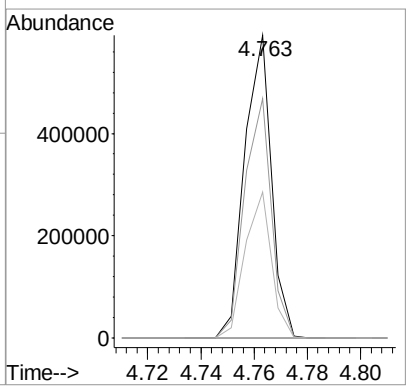


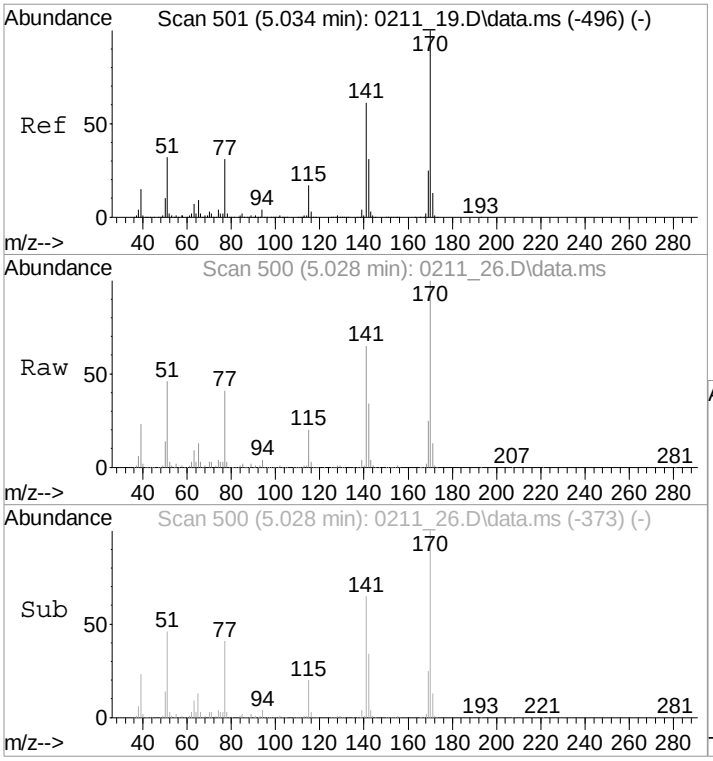


#43
1,2,4,5-Tetrachlorobenzene
Concen: 9753.3534387 ppb
RT: 4.763 min Scan# 455
Delta R.T. 0.000 min
Lab File: 0211_26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:216 Resp: 414213

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.9	95.9
218	47.6	37.4	56.0

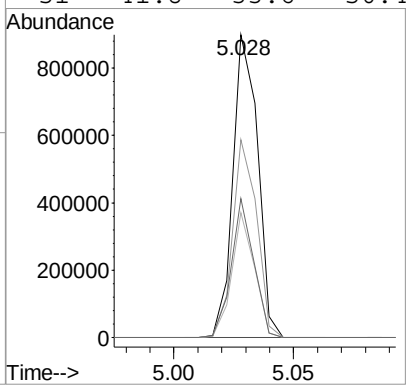


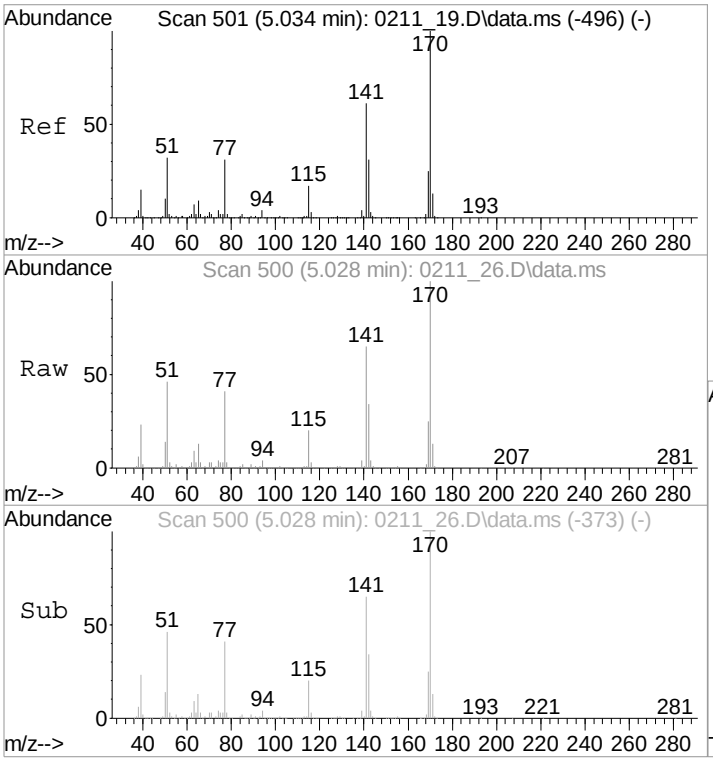


#44
Diphenyl Ether
Concen: 9588.6674008 ppb
RT: 5.028 min Scan# 500
Delta R.T. -0.005 min
Lab File: 0211 26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:170 Resp: 647250

Ion	Ratio	Lower	Upper
170	100		
141	63.6	51.0	76.4
77	37.9	30.7	46.1
51	41.8	33.6	50.4

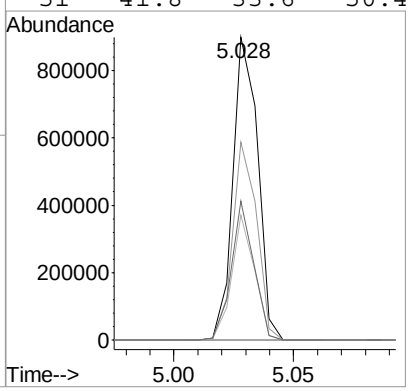


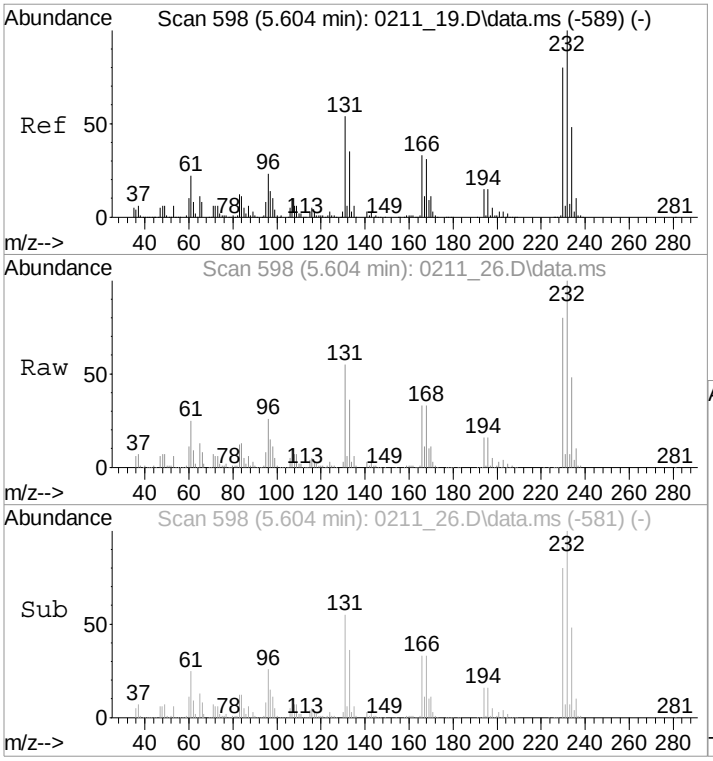


#45
Diphenyl Oxide
Concen: 9588.6674008 ppb
RT: 5.028 min Scan# 500
Delta R.T. -0.005 min
Lab File: 0211_26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:170 Resp: 647250

Ion	Ratio	Lower	Upper
170	100		
141	63.6	51.0	76.4
77	37.9	30.7	46.1
51	41.8	33.6	50.4

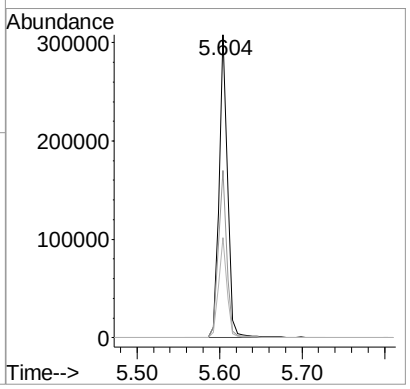


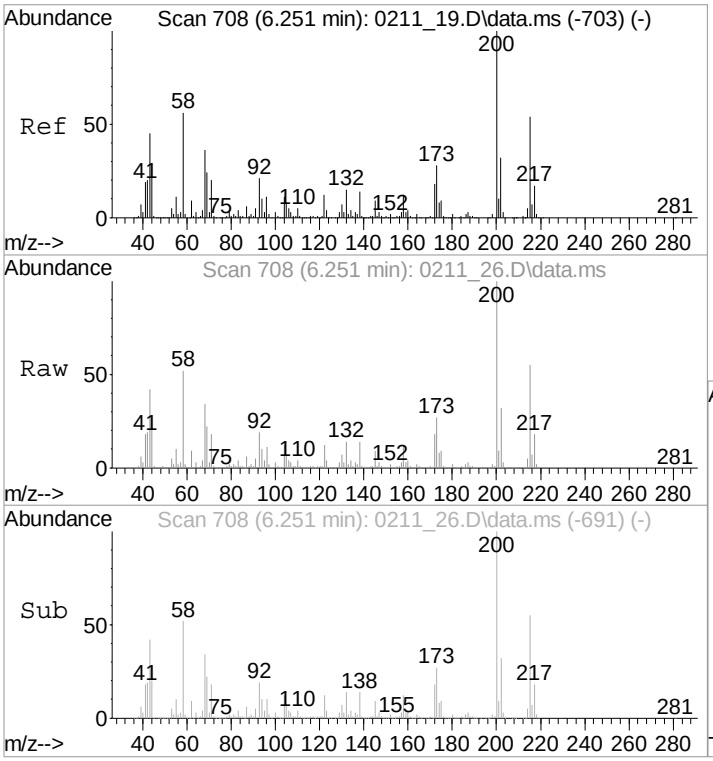


#62
2,3,4,6-Tetrachlorophenol
Concen: 9955.5879696 ppb
RT: 5.604 min Scan# 598
Delta R.T. 0.000 min
Lab File: 0211 26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:232 Resp: 222135

Ion	Ratio	Lower	Upper
232	100		
131	55.1	33.6	73.6
166	32.9	12.5	52.5

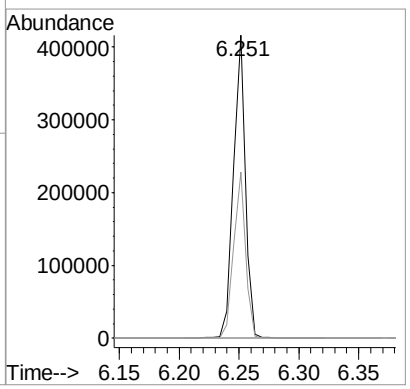


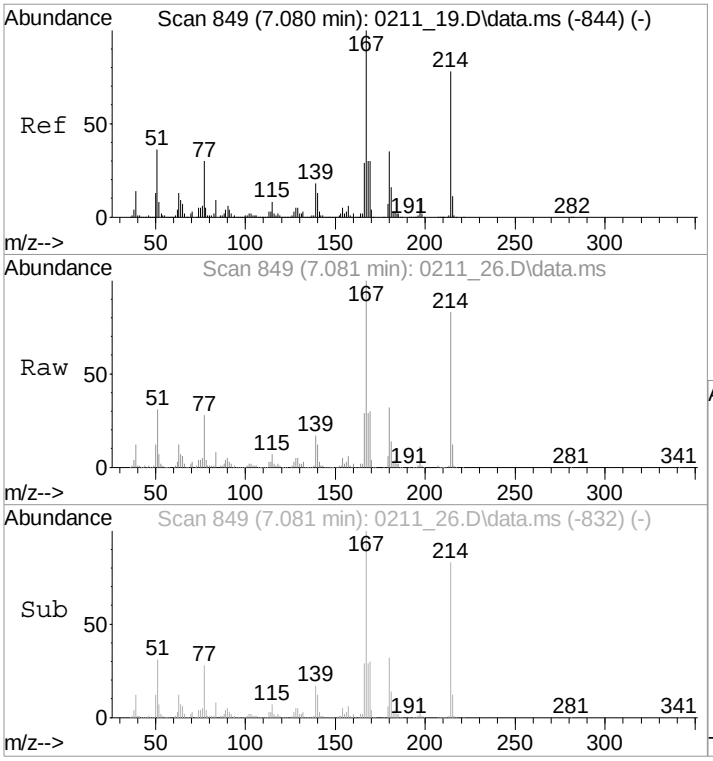


#69
Atrazine
Concen: 9823.8435029 ppb
RT: 6.251 min Scan# 708
Delta R.T. 0.000 min
Lab File: 0211_26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:200 Resp: 290314

Ion	Ratio	Lower	Upper
200	100		
215	54.8	33.7	50.5#
60	0.1	0.0	0.0#

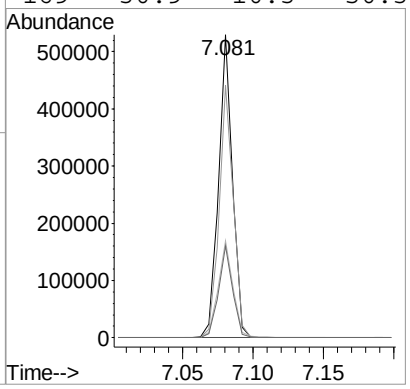


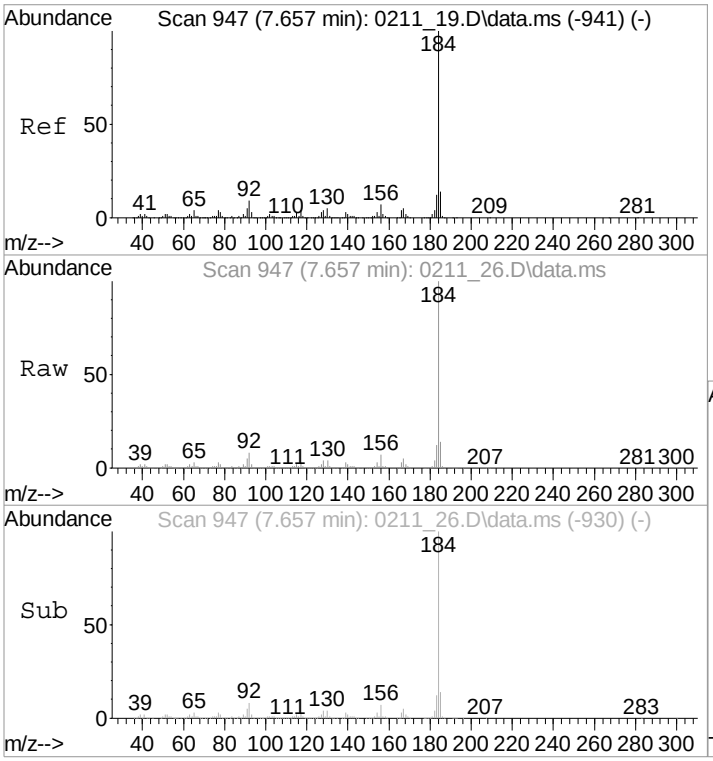


#82
2-nitrodiphenylamine
Concen: 9000.9492309 ppb
RT: 7.081 min Scan# 849
Delta R.T. 0.001 min
Lab File: 0211 26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:167 Resp: 363254

Ion	Ratio	Lower	Upper
167	100		
214	84.4	63.5	103.5
180	34.4	16.6	56.6
169	30.9	10.3	50.3

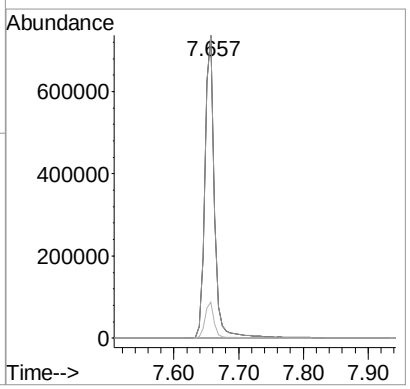


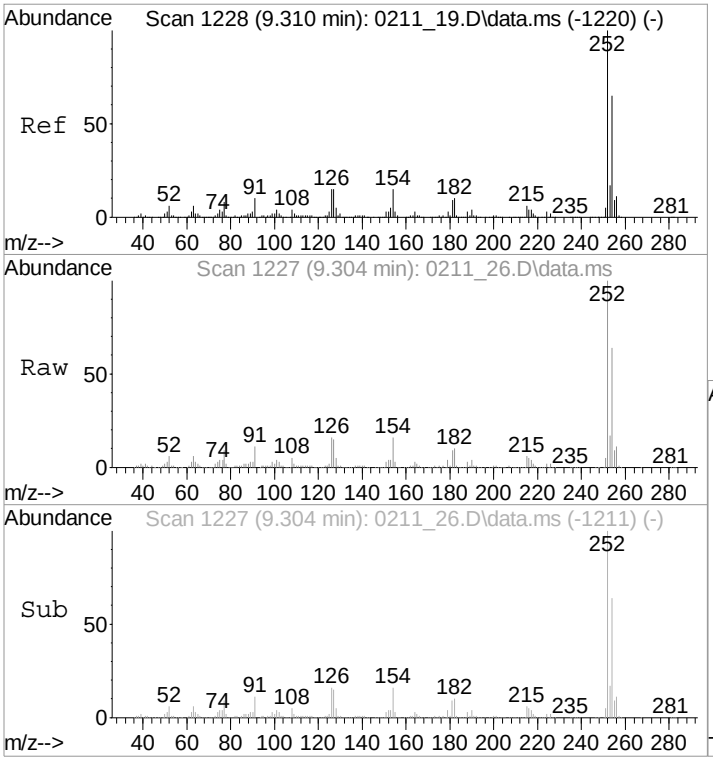


#85
Benzidine
Concen: 8935.1379508 ppb
RT: 7.657 min Scan# 947
Delta R.T. 0.001 min
Lab File: 0211_26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:184 Resp: 747814

Ion	Ratio	Lower	Upper
184	100		
184	100.0	0.0	20.0#
183	11.9	0.0	20.0

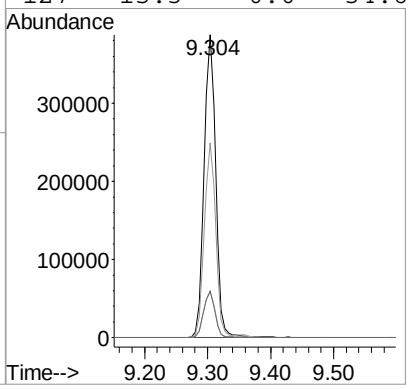




#89
3,3-Dichlorobenzidine
Concen: 9351.9568893 ppb
RT: 9.304 min Scan# 1227
Delta R.T. -0.006 min
Lab File: 0211 26.D
Acq: 11 Feb 2022 6:36 pm

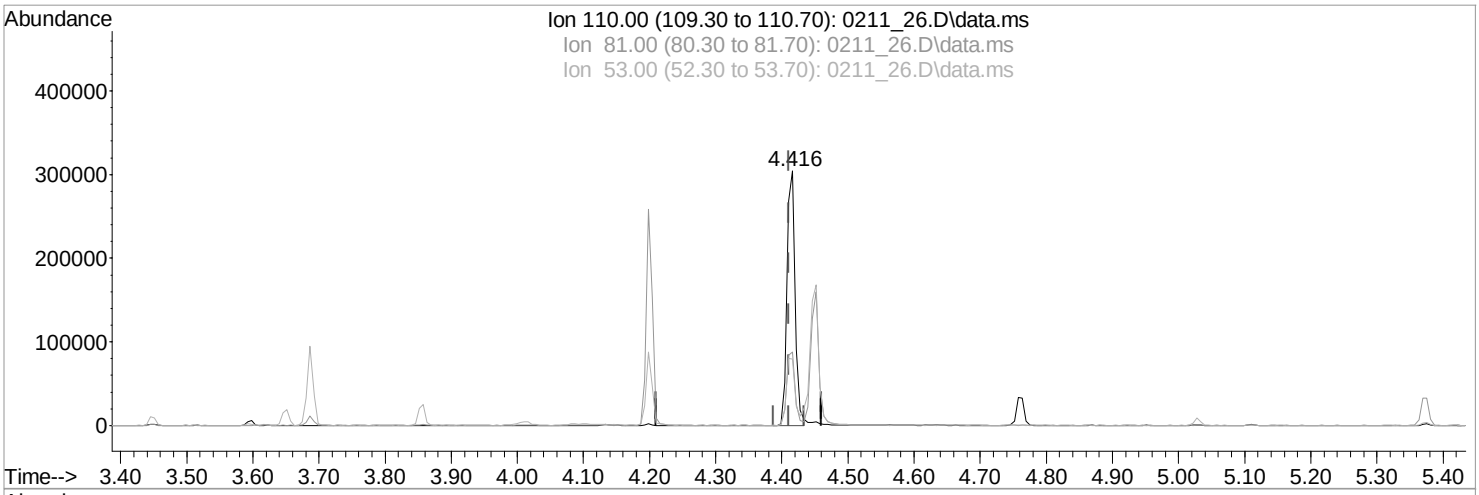
Tgt Ion:252 Resp: 495203

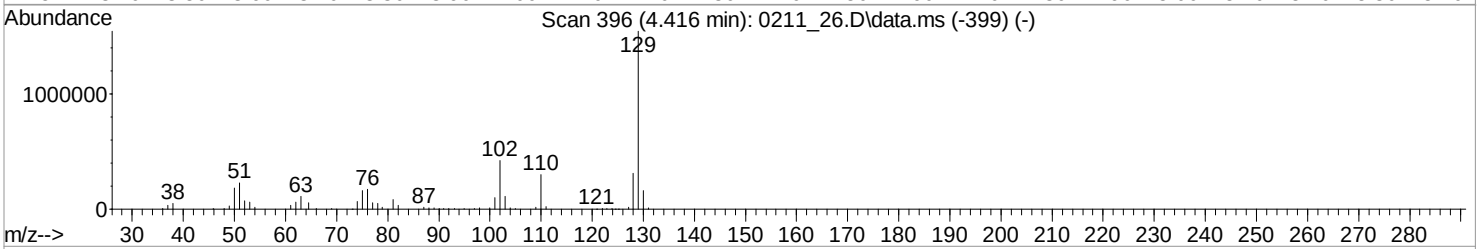
Ion	Ratio	Lower	Upper
252	100		
254	64.1	45.0	85.0
154	15.5	0.0	35.2
127	15.3	0.0	34.6

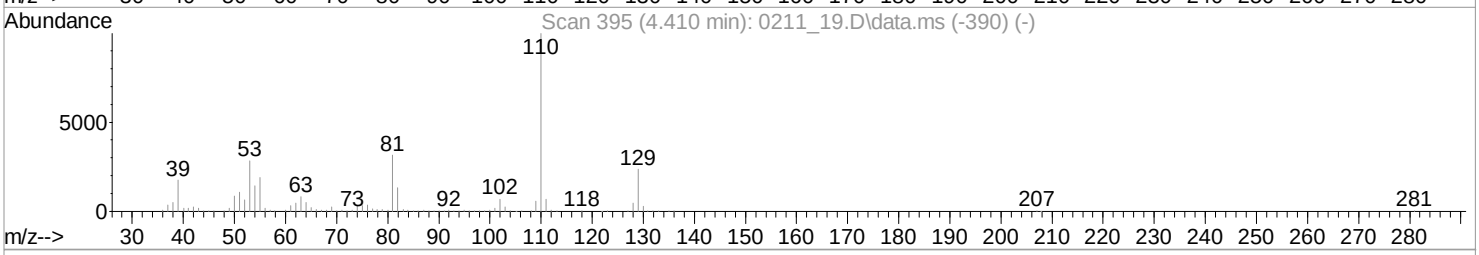


Data Path : C:\msdchem\1\data\021122\
Data File : 0211 26.D
Acq On : 11 Feb 2022 6:36 pm
Operator : 917
Sample : SSCV TCL 10K1 ppb 2B08400 exp 05/01/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 22 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 18 12:03:30 2022
Quant Method : C:\msdchem\1\methods\S820B11AV.M
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_26.D\data.ms

(37) Hydroquinone

4.416min (+0.006) 4980.3919860 ppb

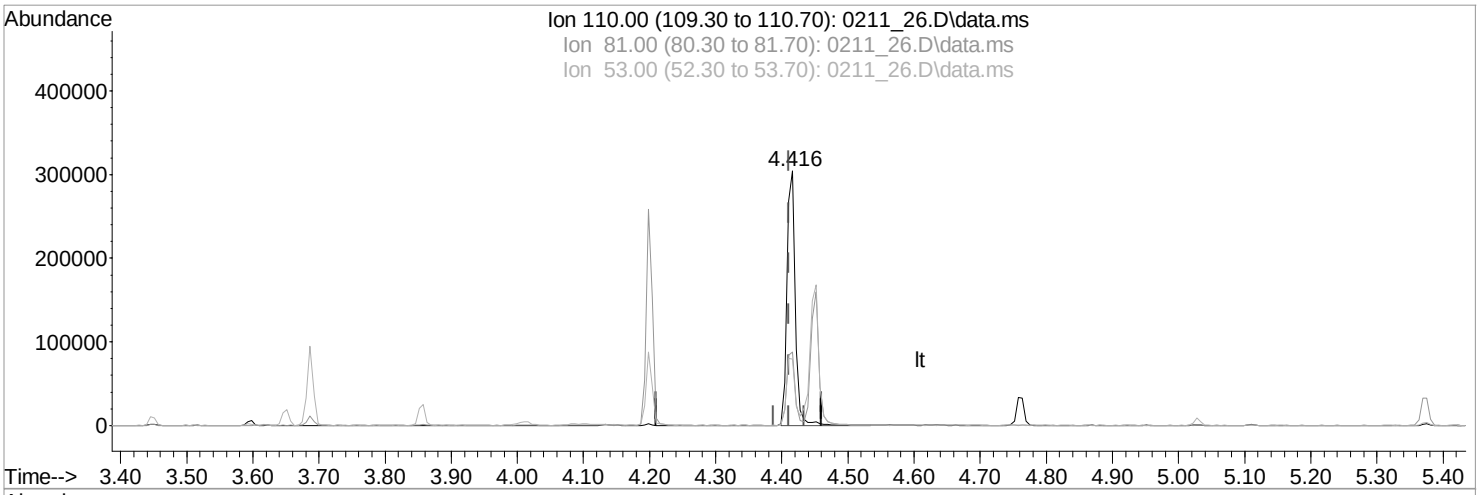
Qvalue = 95

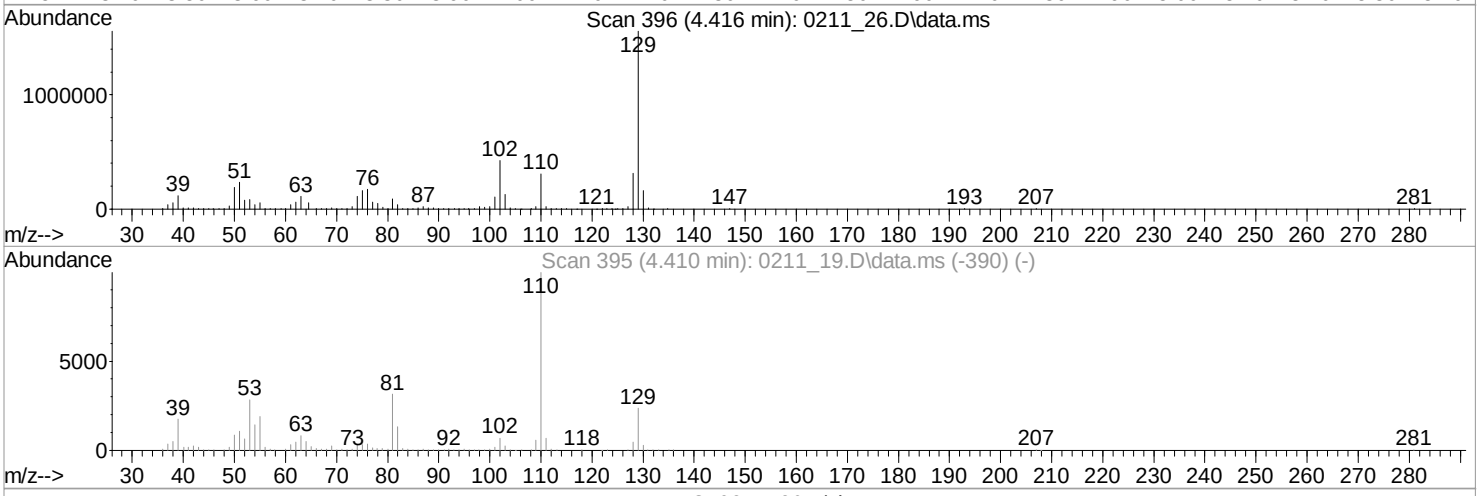
response 261807

Ion	Exp%	Act%
110.00	100	100
81.00	31.60	28.73
53.00	28.10	25.91
0.00	0.00	0.00

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 26.D
Acq On : 11 Feb 2022 6:36 pm
Operator : 917
Sample : SSCV TCL 10K1 ppb 2B08400 exp 05/01/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 22 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 18 12:03:30 2022
Quant Method : C:\msdchem\1\methods\S820B11AV.M
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_26.D\data.ms

(37) Hydroquinone

4.416min (+0.006) 5117.1683838 ppb m

response 268997

Ion	Exp%	Act%
110.00	100	100
81.00	31.60	28.79
53.00	28.10	25.99
0.00	0.00	0.00

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488626	**Calibration (begin) date/time:**	02/11/22 11:40
Instrument ID:	BNAMS20	**Calibration (end) date/time:**	02/11/22 17:52
Lab File ID:	0506A_04-1	**Analysis date/time:**	05/06/22 15:23
Analytical Method:	8270E	**Sample ID:**	ICV

Analyte	Avg. RRF	RRF	Min. RRF	Diff. %	Max Diff. %	True Value mg/l	Result mg/l	Result % Rec.	Limits %
1-METHYLNAPHTHALENE	0.578152	0.64020930		10.70		10	11.07	111	
2-METHYLNAPHTHALENE	0.605229	0.67108450		10.90		10	11.09	111	
3&4-METHYL PHENOL	1.308048	1.441950		10.20		10	11.02	110	
ACENAPHTHENE	1.100041	1.207886		9.80	20	10	10.98	110	
ACENAPHTHYLENE	1.575947	1.825742		15.90		10	11.59	116	
ANTHRACENE	0.996099	1.083637		8.79		10	10.88	109	
BENZO(A)ANTHRACENE	1.191209	1.235933		3.75		10	11.07	111	
BENZO(A)PYRENE	0.903627	1.093810		21	20	10	12.10	121	
BENZO(B)FLUORANTHENE	1.093318	1.272308		16.40		10	11.64	116	
BENZO(G,H,I)PERYLENE	0.987230	1.113492		12.80		10	11.28	113	
BENZO(K)FLUORANTHENE	1.083418	1.244148		14.80		10	11.48	115	
BIS(2-ETHYLHEXYL)PHTHALATE	0.803811	0.89231460		11		10	11.10	111	
CARBAZOLE	0.954893	1.051322		10.10		10	11.01	110	
CHRYSENE	1.167295	1.216223		4.19		10	10.42	104	
DI-N-BUTYL PHTHALATE	1.100979	1.240921		12.70		10	11.27	113	
DI-N-OCTYL PHTHALATE	1.233909	1.421720		15.20	20	10	10.18	102	80 - 120
DIBENZ(A,H)ANTHRACENE	1.093444	1.122751		2.68		10	11.00	110	
DIBENZOFURAN	1.463982	1.660102		13.40		10	11.34	113	
FLUORANTHENE	0.999513	1.122798		12.30	20	10	11.23	112	
FLUORENE	1.246631	1.360321		9.12		10	10.91	109	
INDENO(1,2,3-CD)PYRENE	0.919587	1.041812		13.30		10	11.33	113	
NAPHTHALENE	0.924899	1.004087		8.56		10	10.86	109	
PENTACHLOROPHENOL	0.099138	0.13782770		39	20	10	11.16	112	80 - 120
PHENANTHRENE	1.026137	1.083253		5.57		10	10.56	106	
PHENOL	1.517993	1.770391		16.60	20	10	11.66	117	
PYRENE	1.235972	1.402064		13.40		10	11.34	113	
2,4,6-TRIBROMOPHENOL	0.081668	0.11150530		36.50		10	13.65	137	70 - 130
2-FLUOROBIPHENYL	1.167452	1.318602		12.90		10	11.29	113	70 - 130
2-FLUOROPHENOL	1.140240	1.325974		16.30		10	11.63	116	70 - 130
NITROBENZENE-D5	0.338405	0.31464120		7.02		10	9.298	93	70 - 130
P-TERPHENYL-D14	0.944949	1.108784		17.30		10	11.73	117	70 - 130
PHENOL-D5	1.452305	1.606157		10.60		10	11.06	111	70 - 130

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 16:50:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.340	152	299875	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.081	136	1228612	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.245	164	680766	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.363	188	1220254	8000.0000000 ppb	0.00
84) Chrysene-d12	9.127	240	1001766	8000.0000000 ppb	0.00
94) Perylene-d12	11.780	264	937358	8000.0000000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.687	112	497033	11628.9017876 ppb	-0.01
Spiked Amount 4000.000	Range 10 - 120		Recovery = 290.72%#		
7) Phenol-d5	3.146	99	602058	11059.3686554 ppb	-0.02
Spiked Amount 4000.000	Range 10 - 120		Recovery = 276.48%#		
24) Nitrobenzene-d5	3.651	82	483215m	9297.7641229 ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 464.89%#		
50) 2-Fluorobiphenyl	4.763	172	1122074	11294.6926179 ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 564.73%#		
73) 2,4,6-Tribromophenol	5.828	330	170081	13653.4267530 ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 341.34%#		
87) p-Terphenyl-d14	7.751	244	1388428	11733.8062353 ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 586.69%#		
Target Compounds					Qvalue
2) Pyridine	2.110	79	505453	10765.1662250 ppb	95
3) N-Nitrosodimethylamine	2.081	42	236723	8880.5449915 ppb #	79
5) Aniline	3.157	66	467426	17788.2627480 ppb #	89
6) bis(2-Chloroethyl)ether	3.175	93	434886m	10011.6970249 ppb	
8) Phenol	3.151	94	663620m	11662.7099573 ppb	
10) 2-Chlorophenol	3.234	128	546463	11281.0387501 ppb	98
11) n-Decane	3.222	41	236124	7936.4414496 ppb	90
12) 1,3-Dichlorobenzene	3.310	146	582753	11173.8697851 ppb	95
13) 1,4-Dichlorobenzene	3.346	146	591114	11057.6356418 ppb	97
14) Benzyl Alcohol	3.410	79	382729	10101.6849320 ppb	99
15) 1,2-Dichlorobenzene	3.434	146	557801	11058.6392051 ppb	93
16) bis(2-Chloroisopropyl)...	3.469	121	185165	10883.4426444 ppb	96
17) 2,2-oxybis(1-chloropro...	3.469	121	185165	10883.4426444 ppb	96
18) 2-Methylphenol	3.481	108	470605	10993.1761709 ppb	96
19) Hexachloroethane	3.628	117	234163	11057.8689827 ppb	93
20) N-Nitrosodi-n-propylamine	3.551	70	323533	9632.7061006 ppb #	79
21) 3&4-Methyl phenol	3.563	107	540506	11023.6804130 ppb	96
25) Nitrobenzene	3.663	77	486480	10022.4784737 ppb	84
26) Isophorone	3.793	82	910542	10165.8359049 ppb	99
27) 2-Nitrophenol	3.845	139	310130	12788.5237487 ppb #	65
28) 2,4-Dimethylphenol	3.869	107	490505	10253.0124322 ppb	99
29) bis(2-Chlorethoxy)methane	3.910	93	596383	10786.6199830 ppb	90
30) 2,4-Dichlorophenol	3.998	162	437730	11480.1381240 ppb	96
32) 1,2,4-Trichlorobenzene	4.040	180	472420	11506.3196426 ppb	98
34) Naphthalene	4.093	128	1542041	10856.1741155 ppb	99
35) 4-Chloroaniline	4.122	65	159497	8887.1019106 ppb	84
36) Hexachloro-1,3-butadiene	4.157	225	244591	11260.8998481 ppb	95
40) 4-Chloro-3-methylphenol	4.434	107	446248	10953.3266889 ppb	98
41) 2-Methylnaphthalene	4.528	142	1030628	11088.1124189 ppb	98
42) 1-Methylnaphthalene	4.593	142	983211	11073.3795294 ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 16:50:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

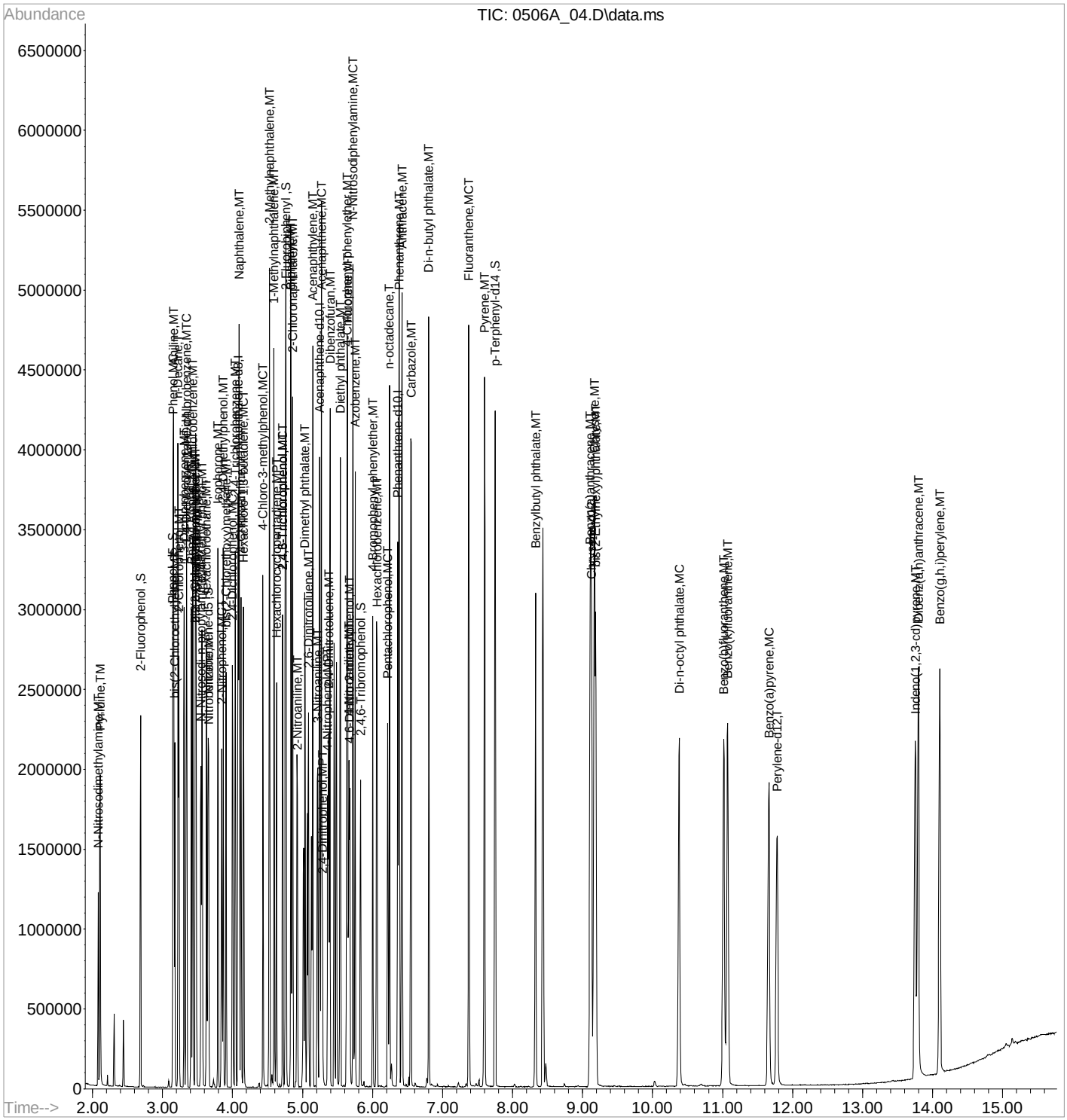
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.628	237	296076	10625.0485728 ppb		98
48)	2,4,6-Trichlorophenol	4.716	196	314942	11921.2966448 ppb		90
49)	2,4,5-Trichlorophenol	4.716	196	314942	10941.2780641 ppb		91
51)	Biphenyl	4.834	154	1273915	11103.9434094 ppb		99
52)	2-Chloronaphthalene	4.857	162	997172	11150.0328059 ppb		99
53)	2-Nitroaniline	4.928	138	380591	12405.3774068 ppb		89
54)	Acenaphthylene	5.145	152	1553629	11585.0496709 ppb		99
55)	Dimethyl phthalate	5.034	163	1128966	11112.5935308 ppb		98
56)	2,6-Dinitrotoluene	5.087	165	286764	12290.8218488 ppb		82
57)	3-Nitroaniline	5.216	138	330695	12303.9685763 ppb	#	79
58)	Acenaphthene	5.269	153	1027860	10980.3735817 ppb		97
59)	2,4-Dinitrophenol	5.287	184	179835	13262.0192602 ppb	#	1
60)	Dibenzofuran	5.392	168	1412676	11339.6332632 ppb		98
61)	2,4-Dinitrotoluene	5.375	165	379265	12780.4883580 ppb		89
63)	4-Nitrophenol	5.357	139	271574	12519.4011409 ppb		92
64)	Fluorene	5.645	166	1157575	10911.9751507 ppb		99
65)	4-Chlorophenyl-phenyle...	5.634	204	541384	11380.1711722 ppb		92
66)	Diethyl phthalate	5.540	149	1137444	10904.8335688 ppb		97
67)	4-Nitroaniline	5.663	138	342978	11540.7522356 ppb		90
68)	Azobenzene	5.751	77	1044625	9750.3699863 ppb		91
71)	4,6-Dinitro-2-methylph...	5.675	198	231967	13241.6622961 ppb	#	80
72)	N-Nitrosodiphenylamine	5.722	169	1015243	10973.2725350 ppb		100
74)	4-Bromophenyl-phenylether	6.004	248	313464	11929.7909741 ppb		95
75)	Hexachlorobenzene	6.063	284	348864	11698.6124222 ppb		99
76)	n-octadecane	6.239	55	159245	8466.1597537 ppb	#	96
77)	Pentachlorophenol	6.216	266	210231	11159.3671982 ppb		97
78)	Phenanthrene	6.381	178	1652305	10556.6183443 ppb		100
79)	Anthracene	6.422	178	1652890	10878.8070467 ppb		99
80)	Carbazole	6.551	167	1603600	11009.8476790 ppb		100
81)	Di-n-butyl phthalate	6.804	149	1892798	11271.0702202 ppb		99
83)	Fluoranthene	7.375	202	1712623	11233.4455991 ppb		99
86)	Pyrene	7.598	202	1755675	11343.8194204 ppb		99
88)	Benzylbutyl phthalate	8.328	149	808594	11315.7921245 ppb		94
90)	Benzo(a)anthracene	9.110	228	1547645	11067.6798020 ppb		100
91)	Chrysene	9.169	228	1522963	10419.1501985 ppb		100
92)	bis(2-Ethylhexyl)phtha...	9.186	149	1117363	11101.0536569 ppb		98
93)	Di-n-octyl phthalate	10.380	149	1780289	10176.8425901 ppb		99
95)	Benzo(b)fluoranthene	11.016	252	1490760	11637.1244527 ppb		100
96)	Benzo(k)fluoranthene	11.074	252	1457765	11483.5419974 ppb		98
97)	Benzo(a)pyrene	11.663	252	1281614	12104.6611798 ppb		98
98)	Indeno(1,2,3-cd)pyrene	13.757	276	1220689m	11329.1283405 ppb		
99)	Dibenz(a,h)anthracene	13.798	278	1315524m	11004.0443480 ppb		
100)	Benzo(g,h,i)perylene	14.104	276	1304676	11278.9484357 ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

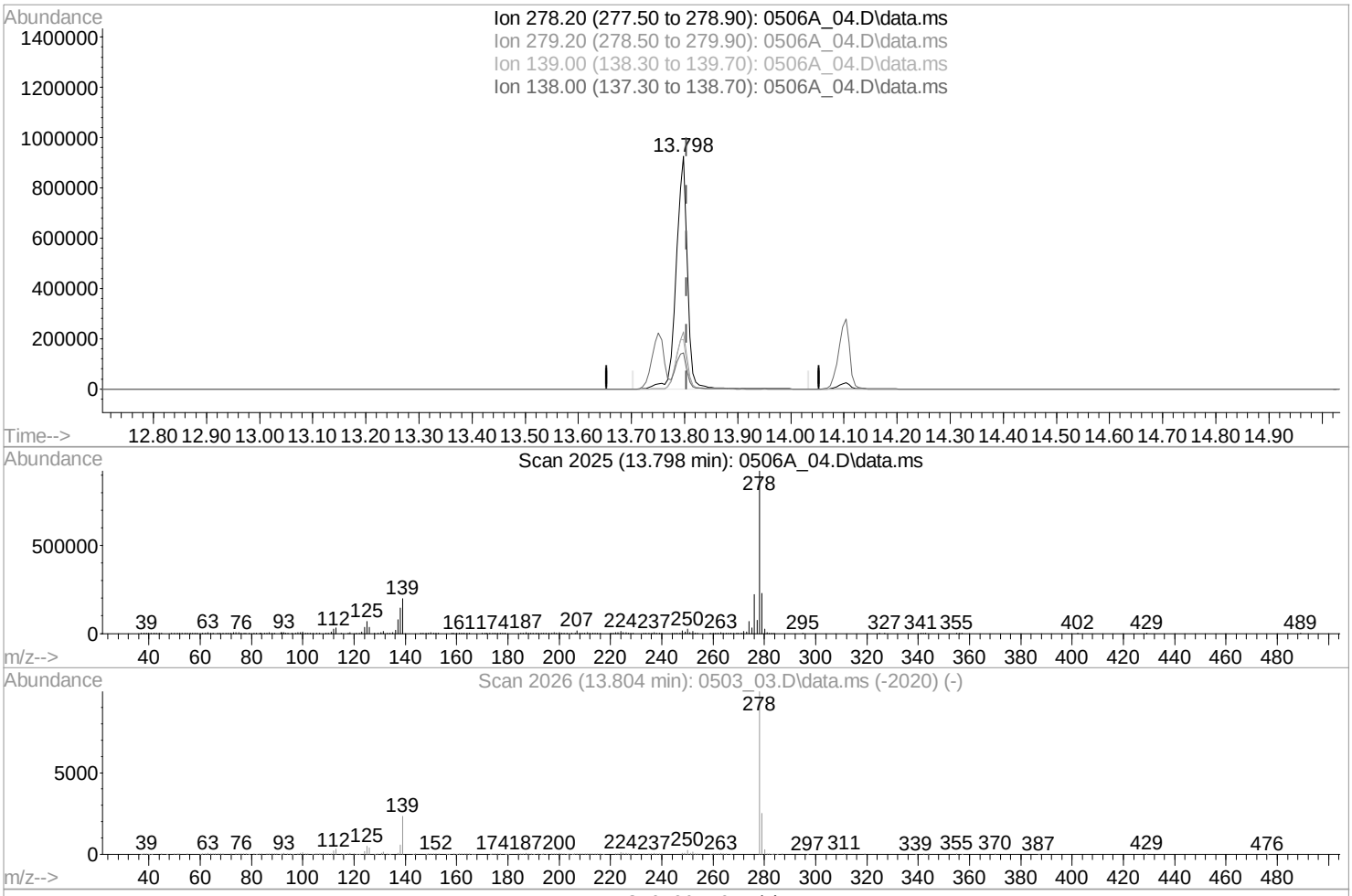
Quant Time: May 06 16:50:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 15:46:52 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0506A_04.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

13.798min (-0.006) 11375.7602899 ppb

Qvalue = 98

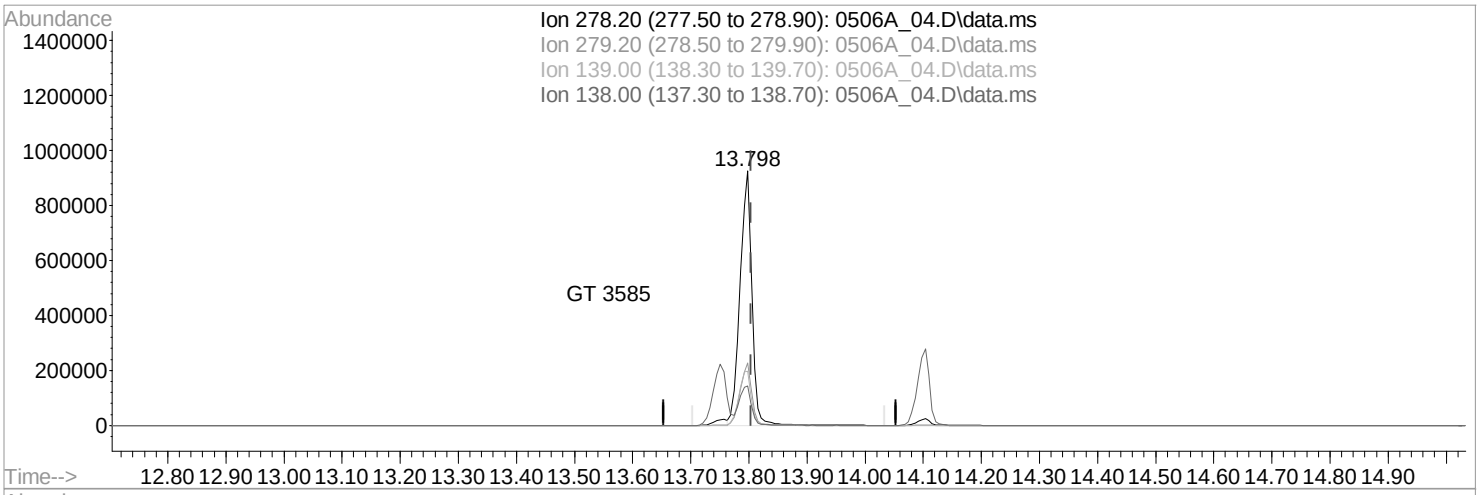
response 1359869

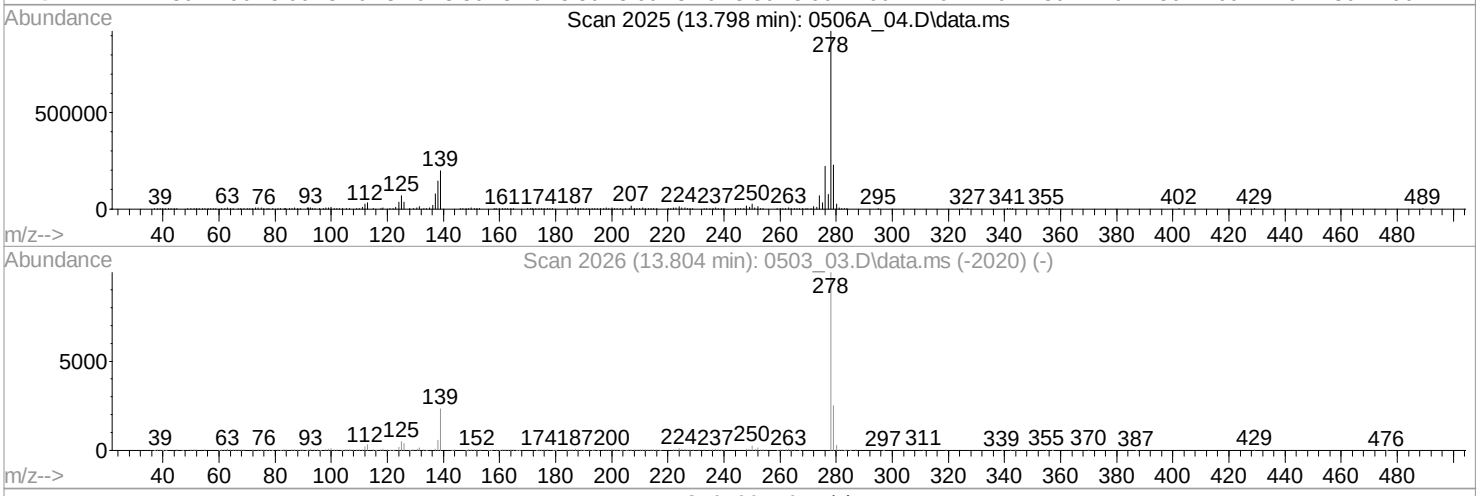
Ion	Exp%	Act%
278.20	100	100
279.20	23.90	24.70
139.00	22.50	21.26
138.00	15.80	15.55

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 15:46:52 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0506A_04.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

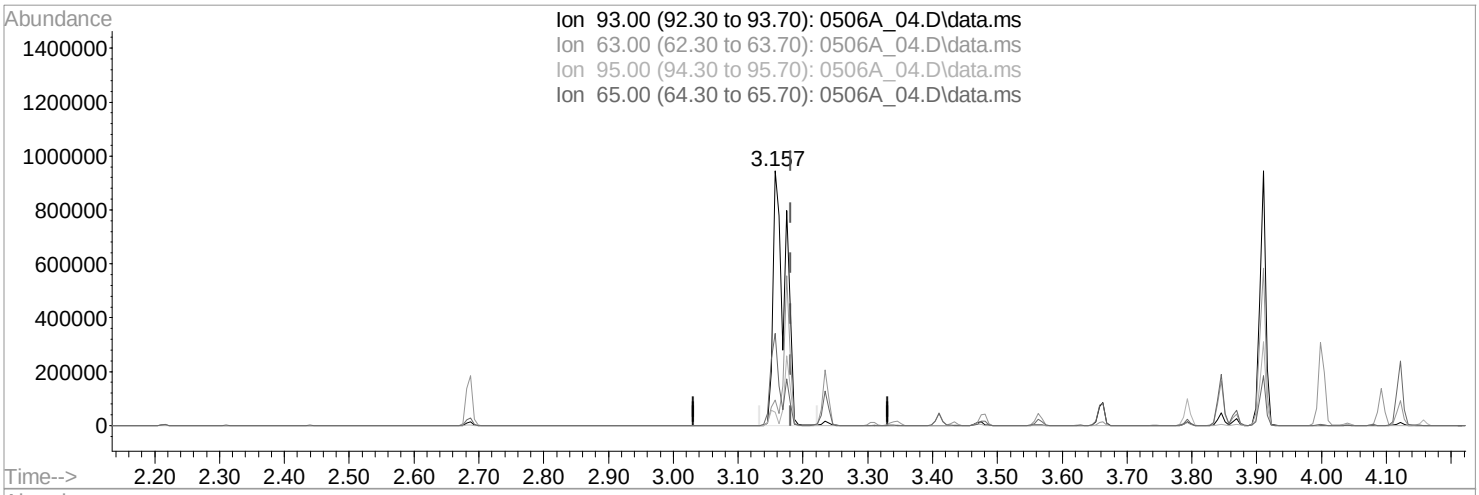
13.798min (-0.006) 11004.0443480 ppb m

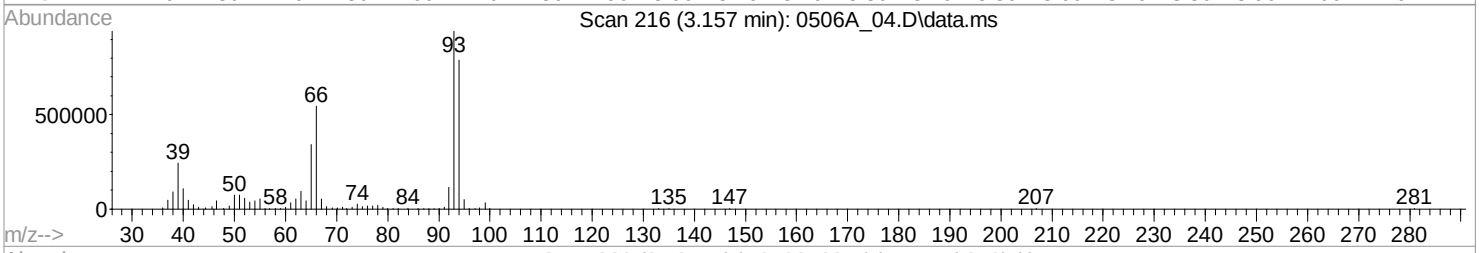
response 1315524

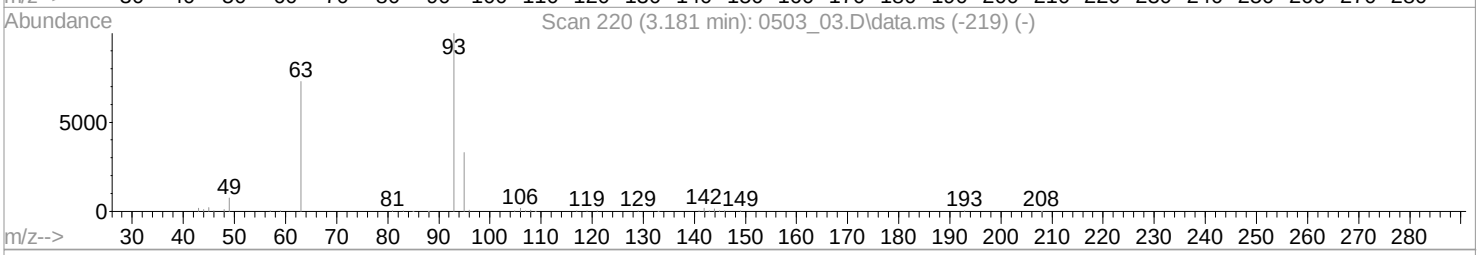
Ion	Exp%	Act%
278.20	100	100
279.20	23.90	24.70
139.00	22.50	21.26
138.00	15.80	15.55

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 15:46:52 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_04.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.157min (-0.024) 28019.2657167 ppb

Qvalue = 40

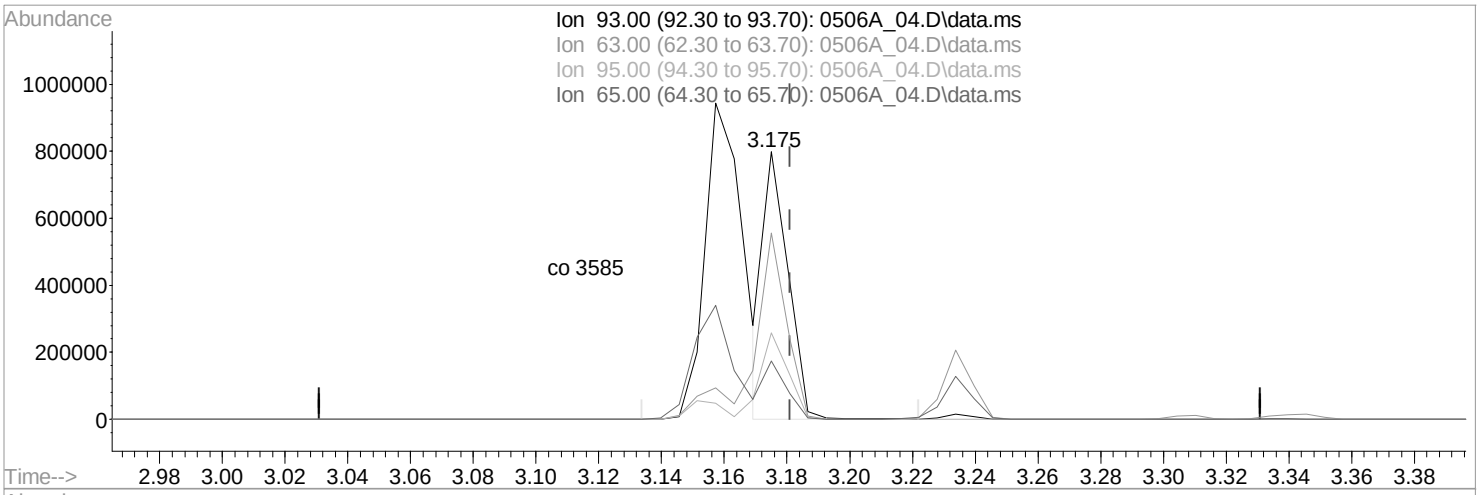
response 1217095

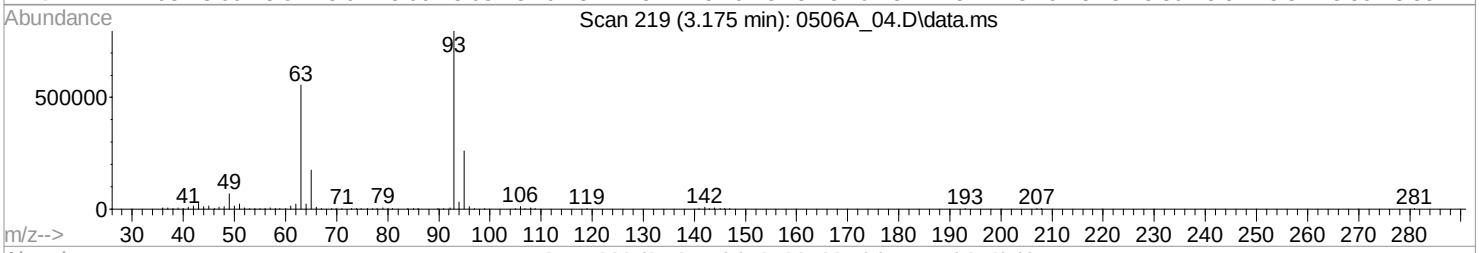
Ion	Exp%	Act%
93.00	100	100
63.00	72.00	9.96#
95.00	33.70	5.12#
65.00	22.90	36.11

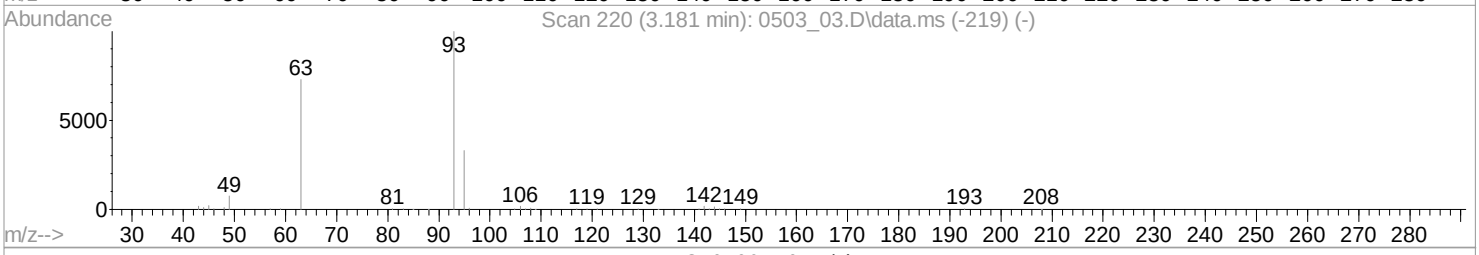
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 15:46:52 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_04.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.175min (-0.006) 10011.6970249 ppb m

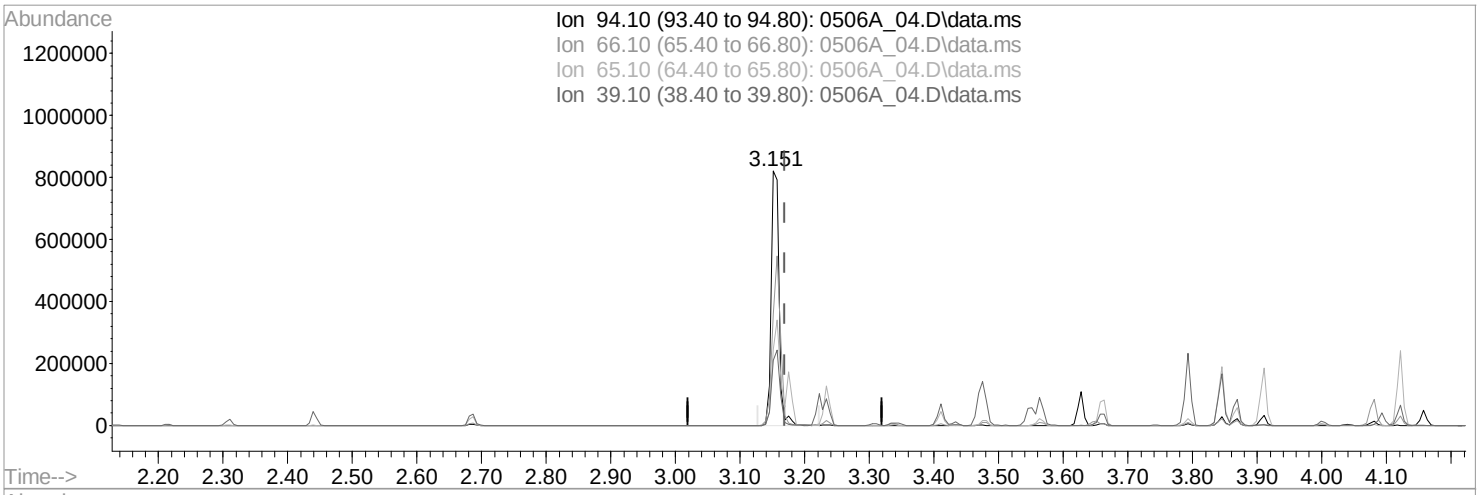
response 434886

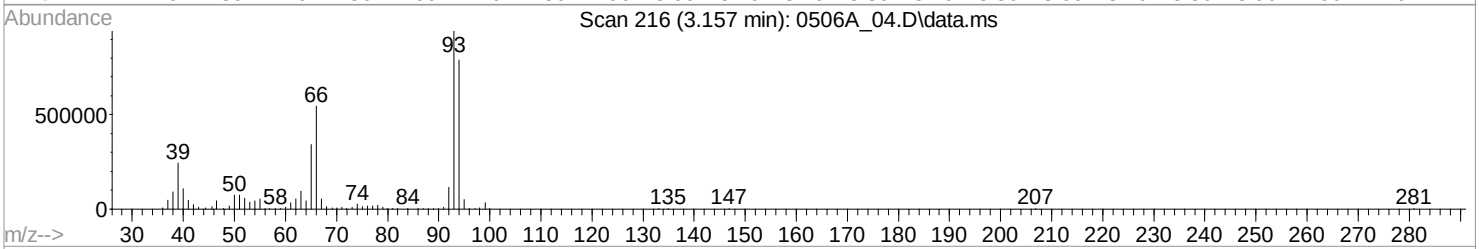
Ion	Exp%	Act%
93.00	100	100
63.00	72.00	69.68
95.00	33.70	32.42
65.00	22.90	21.75

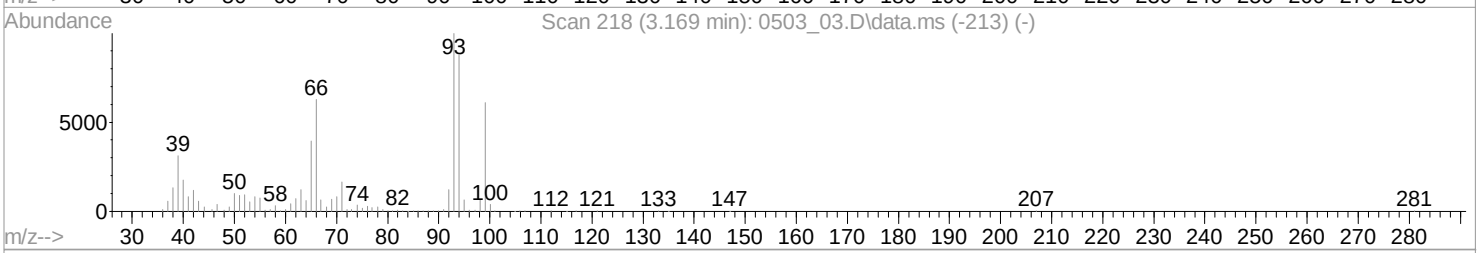
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 15:46:52 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_04.D\data.ms

(8) Phenol (MC)

3.151min (-0.018) 11972.7747410 ppb

Qvalue = 90

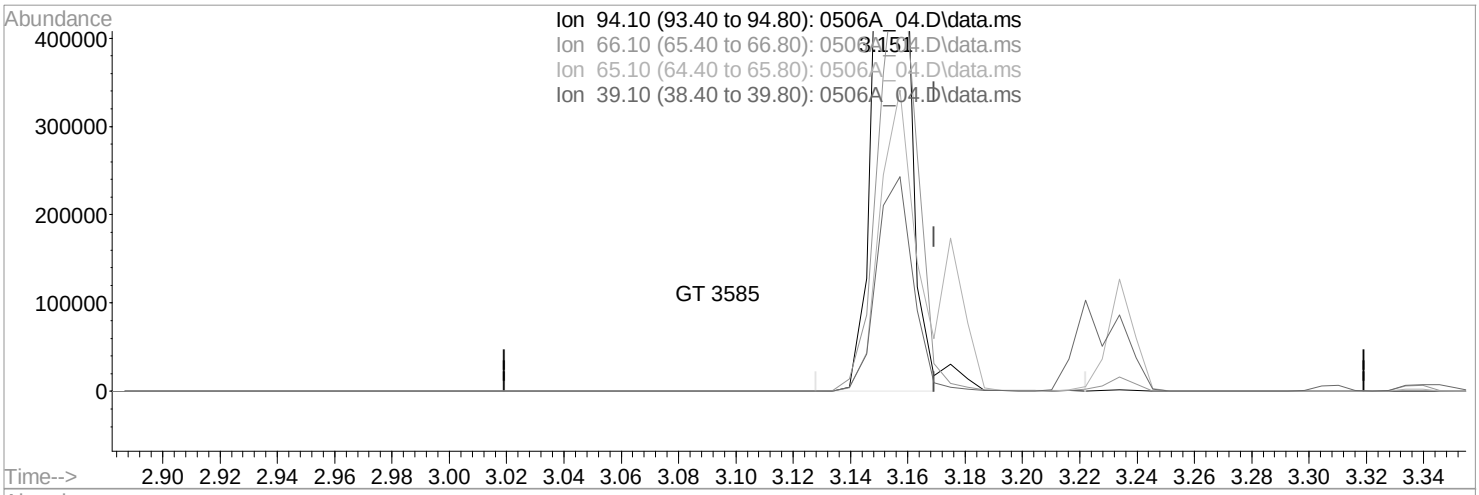
response 681263

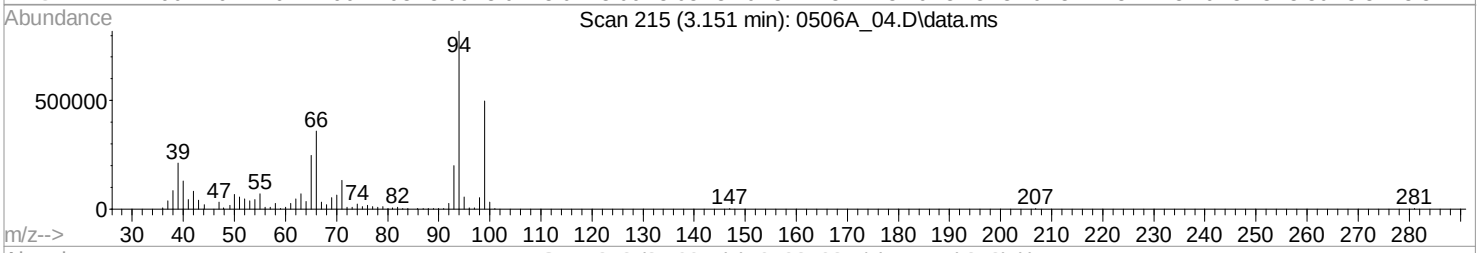
Ion	Exp%	Act%
94.10	100	100
66.10	33.40	43.82
65.10	26.10	29.90
39.10	24.50	25.57

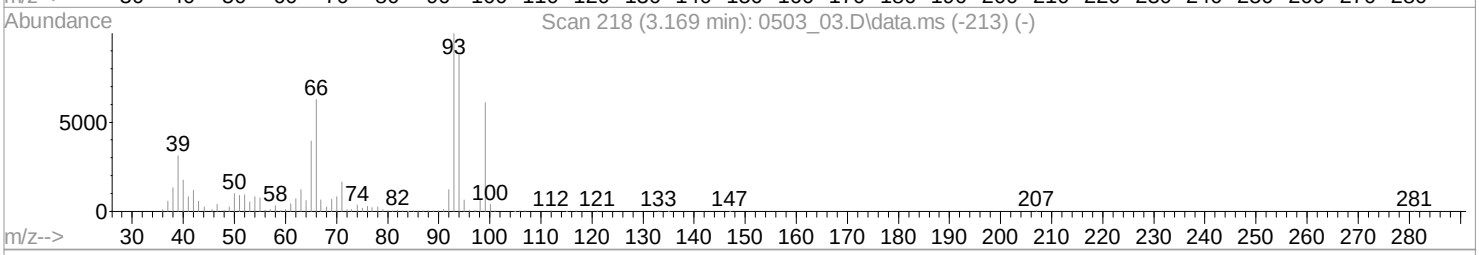
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 15:46:52 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_04.D\data.ms

(8) Phenol (MC)

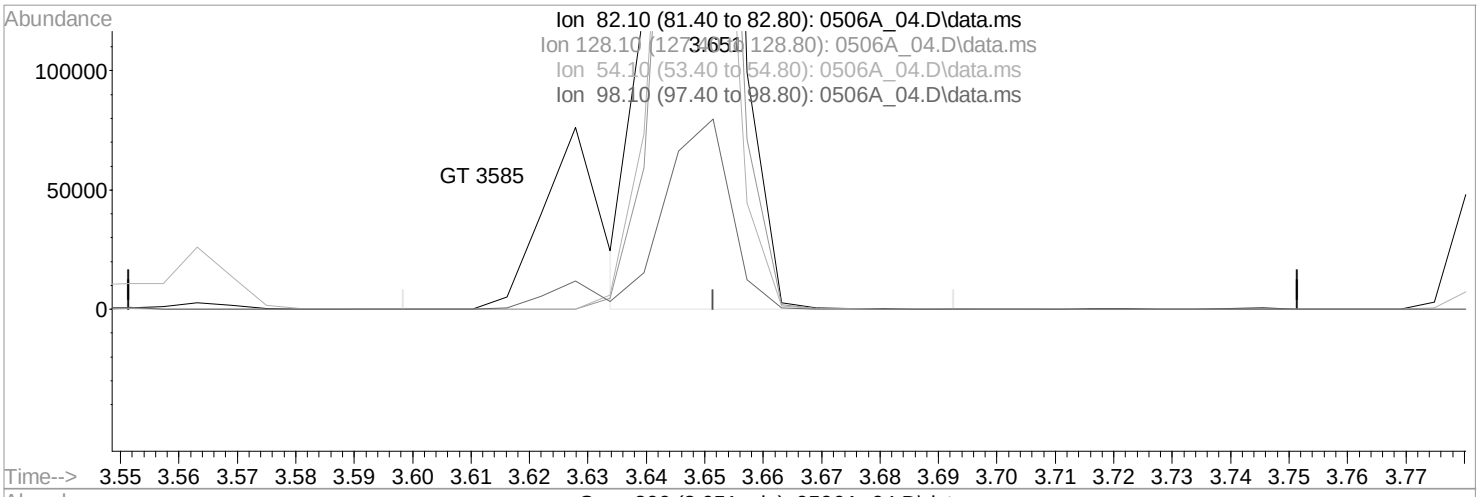
3.151min (-0.018) 11662.7099573 ppb m

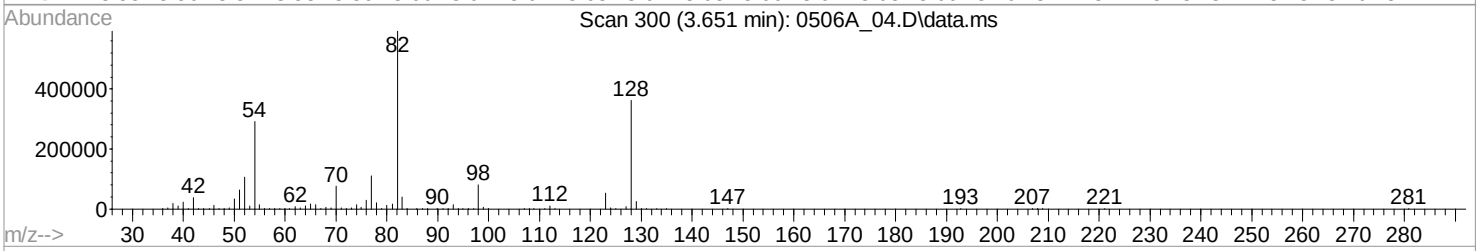
response 663620

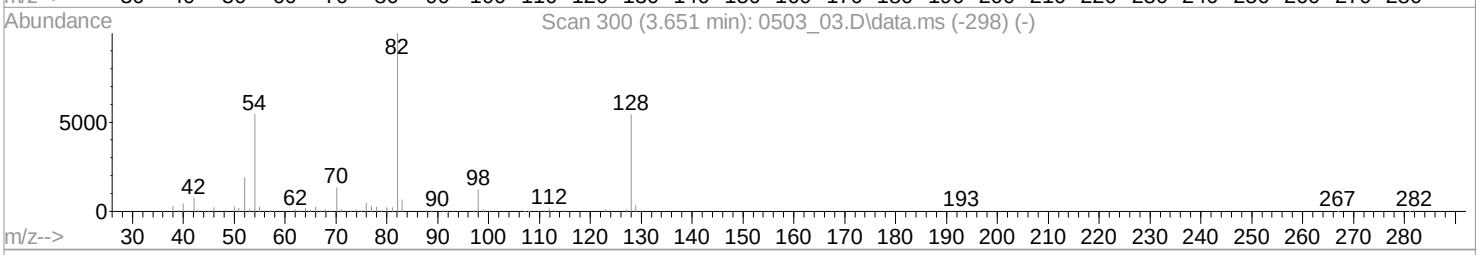
Ion	Exp%	Act%
94.10	100	100
66.10	33.40	43.82
65.10	26.10	29.90
39.10	24.50	25.66

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 15:46:52 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_04.D\data.ms

(24) Nitrobenzene-d5 (S)

3.651min (-0.000) 9297.7641229 ppb m

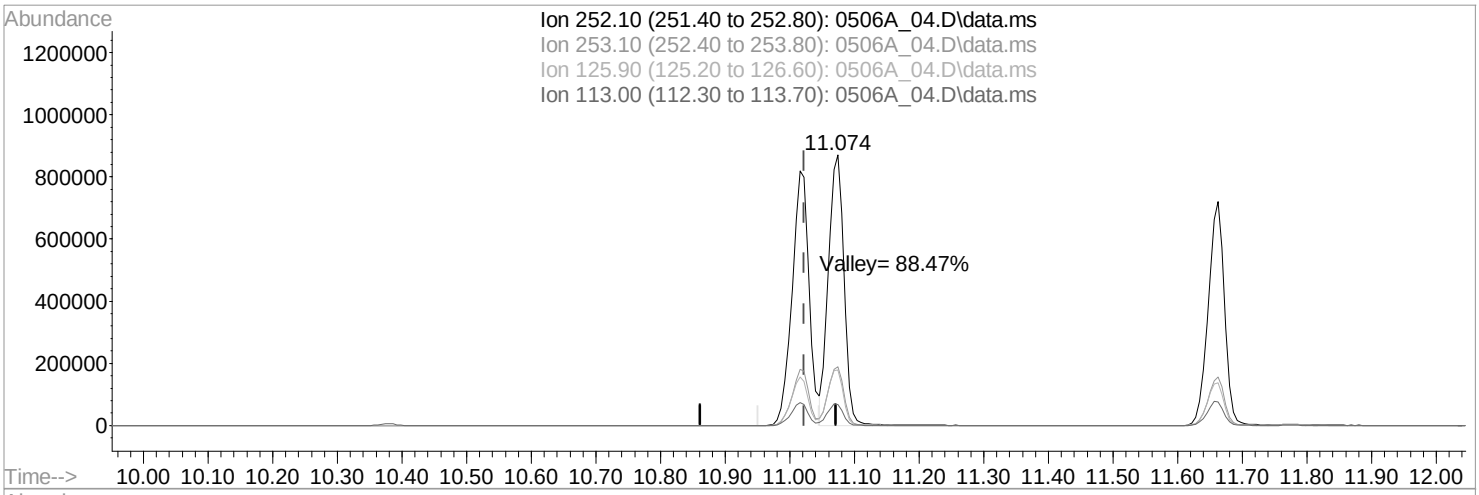
response 483215

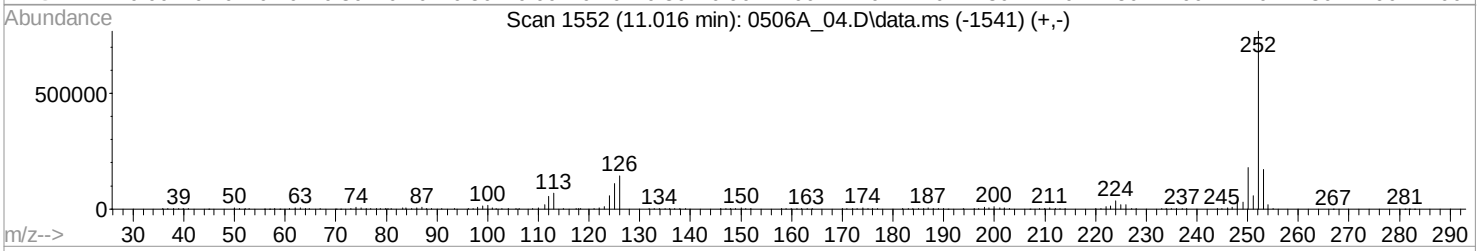
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	61.12
54.10	54.80	49.20
98.10	11.60	13.42

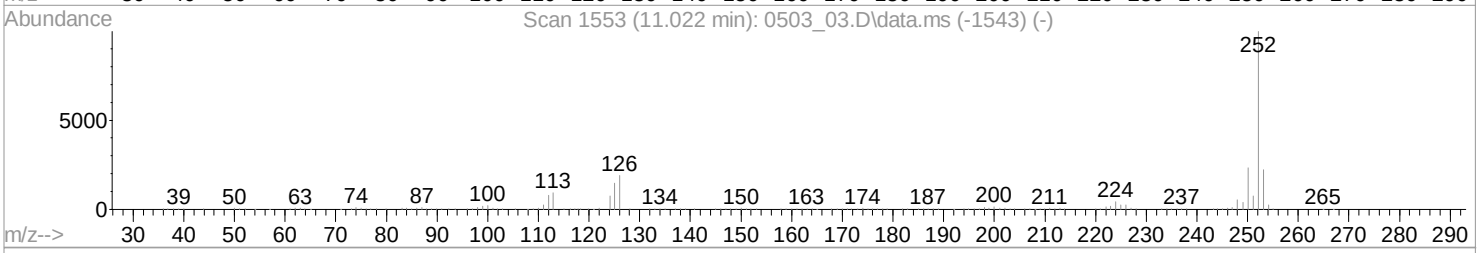
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 15:46:52 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_04.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.016min (-0.006) 11637.1244527 ppb

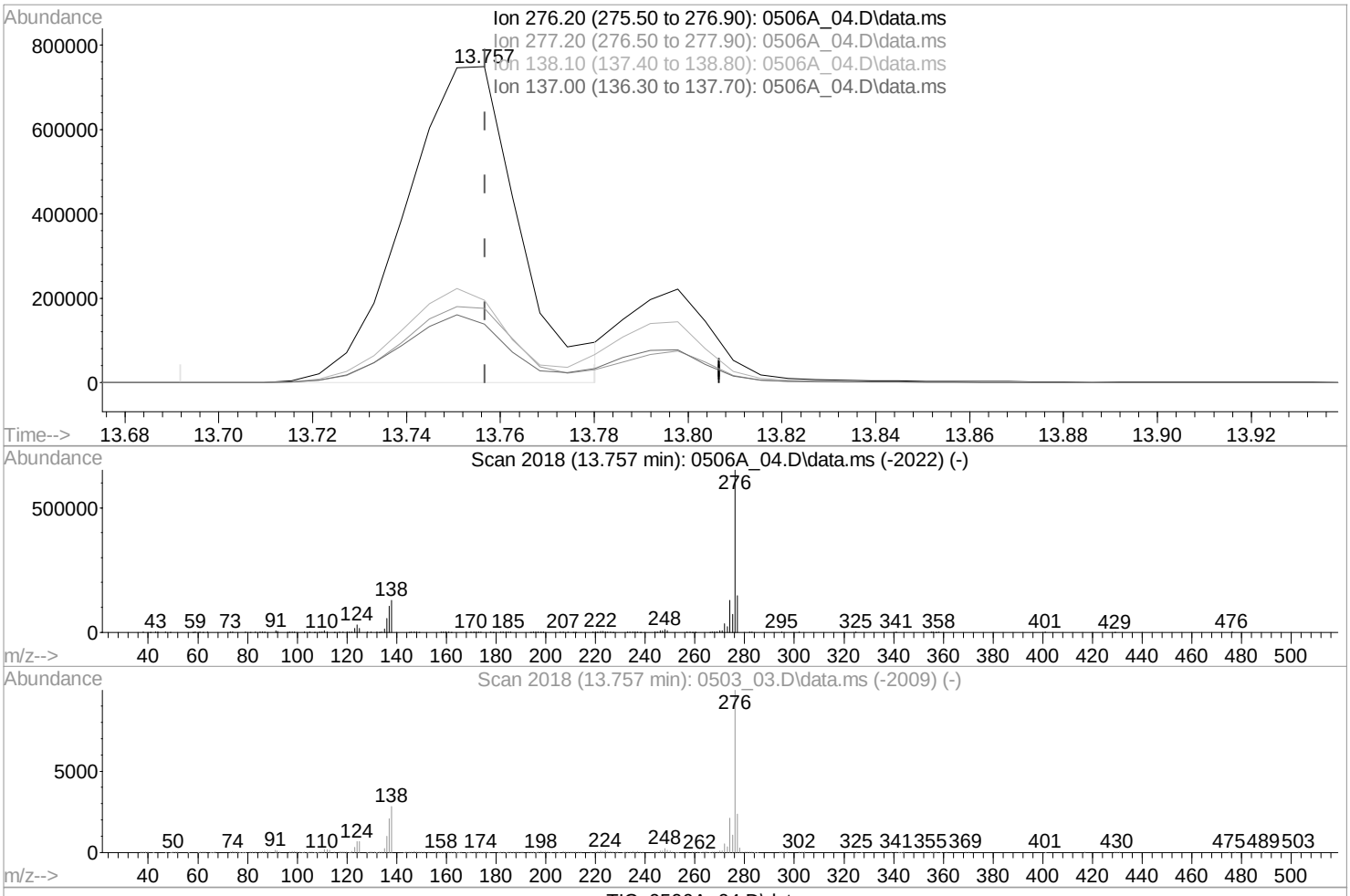
Qvalue = 100

response 1490760

Ion	Exp%	Act%
252.10	100	100
253.10	22.10	21.96
125.90	18.50	18.72
113.00	8.80	8.86

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 15:46:52 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0506A_04.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

13.757min (-0.000) 11648.1046006 ppb

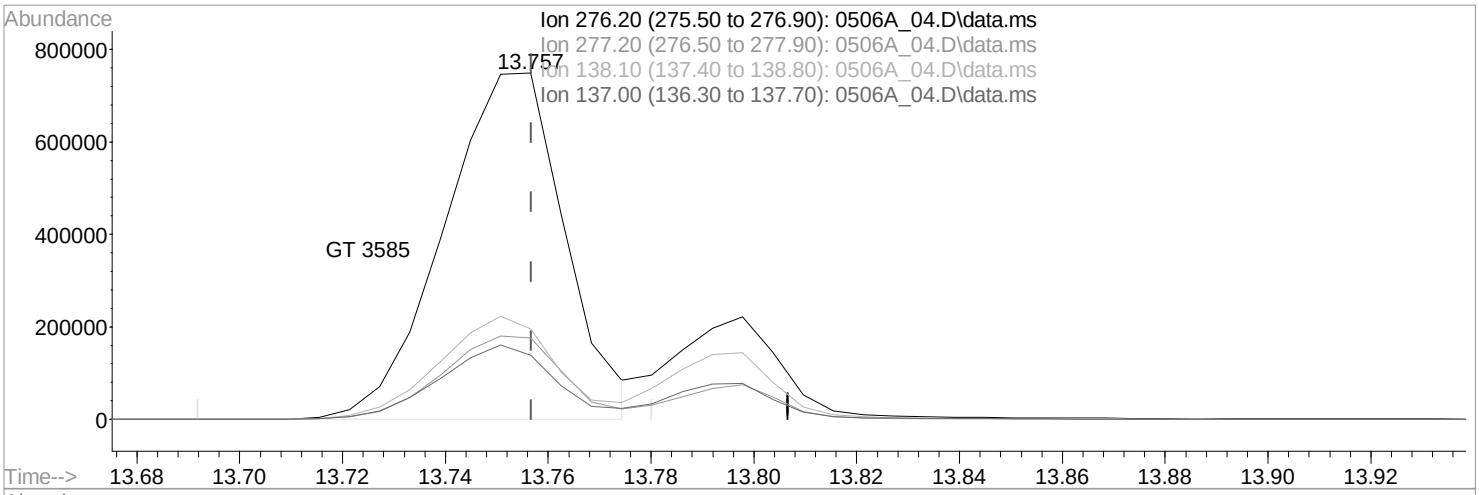
Qvalue = 95

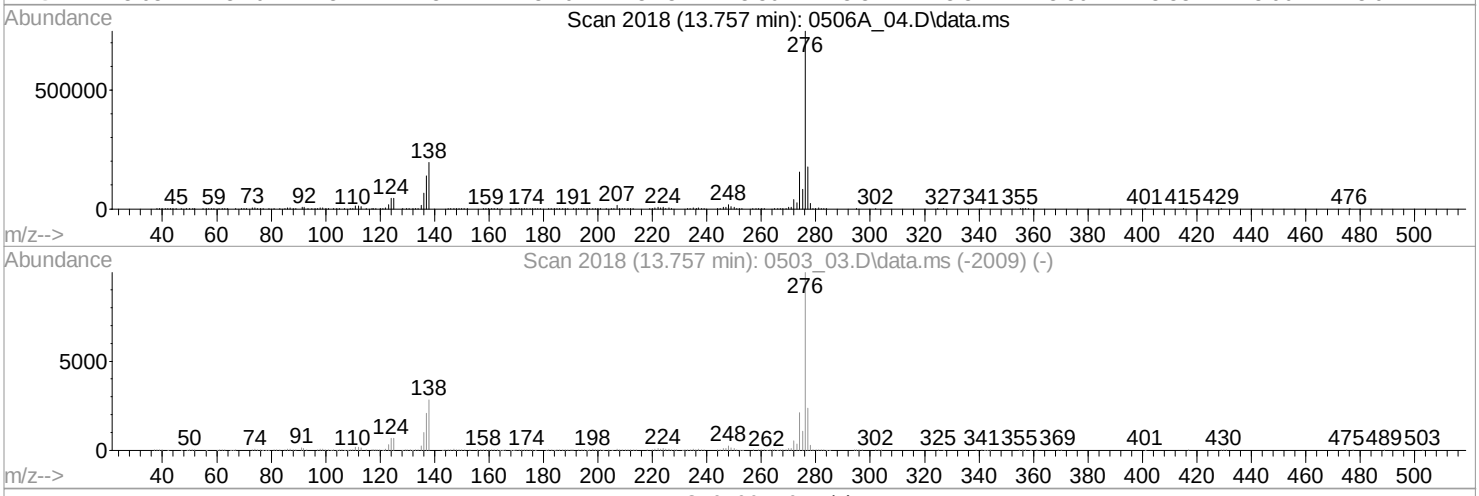
response 1255058

Ion	Exp%	Act%
276.20	100	100
277.20	24.10	23.58
138.10	30.00	26.07
137.00	21.20	18.43

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 15:46:52 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0506A_04.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

13.757min (-0.000) 11329.1283405 ppb m

response 1220689

Ion	Exp%	Act%
276.20	100	100
277.20	24.10	23.58
138.10	30.00	26.07
137.00	21.20	18.43

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488626	**Calibration (begin) date/time:**	02/11/22 11:40
Instrument ID:	BNAMS20	**Calibration (end) date/time:**	02/11/22 17:52
Lab File ID:	0506A_05-1	**Analysis date/time:**	05/06/22 15:45
Analytical Method:	8270E	**Sample ID:**	ICV

Analyte	Avg. RRF	RRF	Min. RRF	Diff.	Max Diff.	True Value	Result	Result	Limits
				%	*%*	*mg/l*	*mg/l*	*% Rec.*	*%*
BENZOIC ACID	0.154570	0.22462390		45.30		10	14.53	145	

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 05.D
Acq On : 6 May 2022 3:45 pm
Operator : 917
Sample : ICV TCL 10K1 ppb 22D19628 exp 09/10/22
Misc : TCL CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 16:52:26 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

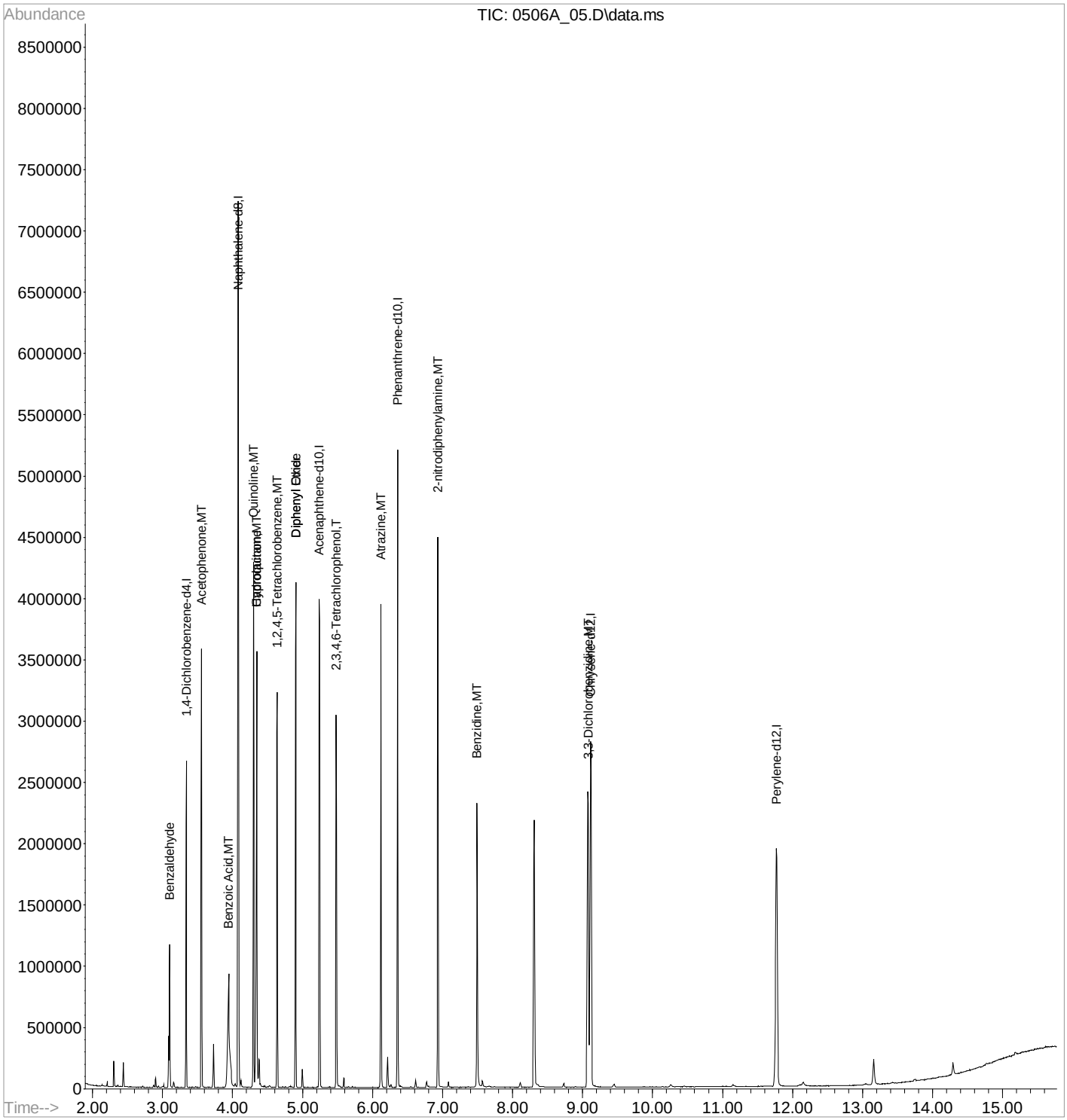
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.340	152	332094	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.081	136	1554470	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.239	164	784657	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.357	188	1467285	8000.0000000	ppb		0.00
84) Chrysene-d12	9.116	240	1251516	8000.0000000	ppb		0.00
94) Perylene-d12	11.768	264	1158519	8000.0000000	ppb		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.104	105	178166	12211.8764388	ppb	#	90
22) Acetophenone	3.557	105	763988	11256.8994498	ppb		92
31) Benzoic Acid	3.945	105	436464	14532.1828348	ppb	#	66
37) Hydroquinone	4.345	110	633298	12481.0999661	ppb		93
38) Quinoline	4.298	129	1176905	11109.3082682	ppb		99
39) Caprolactam	4.345	113	219965	13676.9160979	ppb	#	83
43) 1,2,4,5-Tetrachloroben...	4.640	216	489711	11946.2767194	ppb		99
44) Diphenyl Ether	4.904	170	750814	11523.4104535	ppb	#	90
45) Diphenyl Oxide	4.904	170	750814	11523.4104535	ppb	#	90
62) 2,3,4,6-Tetrachlorophenol	5.481	232	310865	13512.5348052	ppb		97
69) Atrazine	6.122	200	372622	12229.1711727	ppb	#	81
82) 2-nitrodiphenylamine	6.933	167	499684	11134.4580677	ppb		94
85) Benzidine	7.492	184	862325	9201.3777976	ppb	#	100
89) 3,3-Dichlorobenzidine	9.080	252	703154	11894.3318041	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 05.D
Acq On : 6 May 2022 3:45 pm
Operator : 917
Sample : ICV TCL 10K1 ppb 22D19628 exp 09/10/22
Misc : TCL CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 16:52:26 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



S820E03V.M Fri May 06 16:53:28 2022 Page: 2

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488626	**Calibration (begin) date/time:**	03/18/22 16:44
Instrument ID:	BNAMS33	**Calibration (end) date/time:**	03/18/22 22:47
Lab File ID:	0318_024-1	**Analysis date/time:**	03/18/22 23:08
Analytical Method:	8270E	**Sample ID:**	SSCV

Analyte	Avg. RRF	RRF	Min. RRF	Diff.	Max Diff.	True Value	Result	Result	Limits
				%	%	mg/l	mg/l	% Rec.	%
1-METHYLNAPHTHALENE	0.650153	0.674428		3.73		10	10.37	104	50 - 150
2-METHYLNAPHTHALENE	0.689979	0.69706590		1.03		10	10.10	101	50 - 150
3&4-METHYL PHENOL	1.327309	1.350290		1.73		10	10.17	102	50 - 150
ACENAPHTHENE	1.182364	1.192427		0.8510		10	10.09	101	80 - 120
ACENAPHTHYLENE	1.748797	1.838987		5.16		10	10.52	105	50 - 150
ANTHRACENE	1.061563	1.070623		0.8530		10	10.09	101	50 - 150
BENZO(A)ANTHRACENE	1.278651	1.216834		4.83		10	9.987	99.90	50 - 150
BENZO(A)PYRENE	1.011749	1.143321		13		10	11.30	113	80 - 120
BENZO(B)FLUORANTHENE	1.162737	1.214898		4.49		10	10.45	104	50 - 150
BENZO(G,H,I)PERYLENE	1.059556	1.146797		8.23		10	10.82	108	50 - 150
BENZO(K)FLUORANTHENE	1.167378	1.237305		5.99		10	10.60	106	50 - 150
BIS(2-ETHYLHEXYL)PHTHALATE	0.796163	0.84530160		6.17		10	10.62	106	50 - 150
CARBAZOLE	0.985792	1.066176		8.15		10	10.82	108	50 - 150
CHRYSENE	1.176226	1.211541		3		10	10.30	103	50 - 150
DI-N-BUTYL PHTHALATE	1.167826	1.264867		8.31		10	10.83	108	50 - 150
DI-N-OCTYL PHTHALATE	1.277284	1.364473		6.83		10	10.68	107	80 - 120
DIBENZ(A,H)ANTHRACENE	1.069078	1.116528		4.44		10	10.44	104	50 - 150
DIBENZOFURAN	1.637224	1.667051		1.82		10	10.18	102	50 - 150
FLUORANTHENE	1.135933	1.157113		1.86		10	10.19	102	80 - 120
FLUORENE	1.381007	1.433541		3.80		10	10.38	104	50 - 150
INDENO(1,2,3-CD)PYRENE	1.001150	1.055833		5.46		10	10.55	106	50 - 150
NAPHTHALENE	1.020046	1.025427		0.5280		10	10.05	101	50 - 150
PENTACHLOROPHENOL	0.111668	0.14629980		31		10	10.85	109	80 - 120
PHENANTHRENE	1.073836	1.083353		0.8860		10	10.09	101	50 - 150
PHENOL	1.534228	1.568729		2.25		10	10.22	102	80 - 120
PYRENE	1.297608	1.322350		1.91		10	10.19	102	50 - 150
2,4,6-TRIBROMOPHENOL	0.103844	0.09889706		4.76		10	9.524	95.20	50 - 150
2-FLUOROBIPHENYL	1.339365	1.302001		2.79		10	9.721	97.20	50 - 150
2-FLUOROPHENOL	1.198747	1.185093		1.14		10	9.886	98.90	50 - 150
NITROBENZENE-D5	0.330762	0.32377270		2.11		10	9.789	97.90	50 - 150
P-TERPHENYL-D14	1.038484	0.99707220		3.99		10	9.601	96	50 - 150
PHENOL-D5	1.525585	1.482065		2.85		10	9.715	97.20	50 - 150

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_024.D
Acq On : 18 Mar 2022 11:08 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 22C18419 exp 06/30/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 23 09:19:27 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.422	152	190410	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.175	136	734839	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.357	164	429406	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.493	188	802216	8000.0000000 ppb	0.00
84) Chrysene-d12	9.392	240	728610	8000.0000000 ppb	0.00
94) Perylene-d12	12.157	264	712573	8000.0000000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.728	112	282067	9886.0968366 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 247.15%#		
7) Phenol-d5	3.187	99	352750	9714.7325204 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 242.87%#		
24) Nitrobenzene-d5	3.734	82	297401m	9788.7043882 ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 489.44%#		
50) 2-Fluorobiphenyl	4.869	172	698859	9721.0327029 ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 486.05%#		
73) 2,4,6-Tribromophenol	5.946	330	99171	9523.5855936 ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 238.09%#		
87) p-Terphenyl-d14	7.945	244	908096	9601.2254553 ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 480.06%#		
Target Compounds					Qvalue
2) Pyridine	2.175	79	306713	10484.0981126 ppb	98
3) N-Nitrosodimethylamine	2.146	42	124737	9821.7673635 ppb	99
5) Aniline	3.234	66	151991	10353.7827535 ppb	96
6) bis(2-Chloroethyl)ether	3.257	93	298041m	10354.9982865 ppb	
8) Phenol	3.193	94	373377	10224.8746493 ppb	99
10) 2-Chlorophenol	3.305	128	334532	10396.5787959 ppb	98
11) n-Decane	3.305	41	132122	10154.4996767 ppb	100
12) 1,3-Dichlorobenzene	3.393	146	363191	10363.9841106 ppb	99
13) 1,4-Dichlorobenzene	3.434	146	367283	10178.4096006 ppb	99
14) Benzyl Alcohol	3.481	79	249970	10287.4699631 ppb	99
15) 1,2-Dichlorobenzene	3.522	146	346307	10247.7800432 ppb	98
16) bis(2-Chloroisopropyl)...	3.557	121	111758	10281.5706989 ppb	98
17) 2,2-oxybis(1-chloropro...	3.557	121	111758	10281.5706989 ppb	98
18) 2-Methylphenol	3.534	108	289046	10440.8842908 ppb	99
19) Hexachloroethane	3.716	117	141655	10124.9932451 ppb	98
20) N-Nitrosodi-n-propylamine	3.634	70	211298	10194.6191409 ppb	99
21) 3&4-Methyl phenol	3.622	107	321386	10173.1420889 ppb	99
25) Nitrobenzene	3.746	77	312537	10366.2315165 ppb	99
26) Isophorone	3.881	82	570415	9876.8584404 ppb	98
27) 2-Nitrophenol	3.934	139	167687	10715.4164140 ppb	99
28) 2,4-Dimethylphenol	3.940	107	324827	10241.0445705 ppb	99
29) bis(2-Chlorethoxy)methane	3.999	93	372865	10431.9011008 ppb	99
30) 2,4-Dichlorophenol	4.075	162	271913	10325.3013206 ppb	98
32) 1,2,4-Trichlorobenzene	4.134	180	302153	10092.6816195 ppb	99
34) Naphthalene	4.187	128	941905	10052.7510638 ppb	100
35) 4-Chloroaniline	4.210	65	101344	10193.1664644 ppb	99
36) Hexachloro-1,3-butadiene	4.257	225	188497	10808.6861002 ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_024.D
Acq On : 18 Mar 2022 11:08 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 22C18419 exp 06/30/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 21 Sample Multiplier: 1

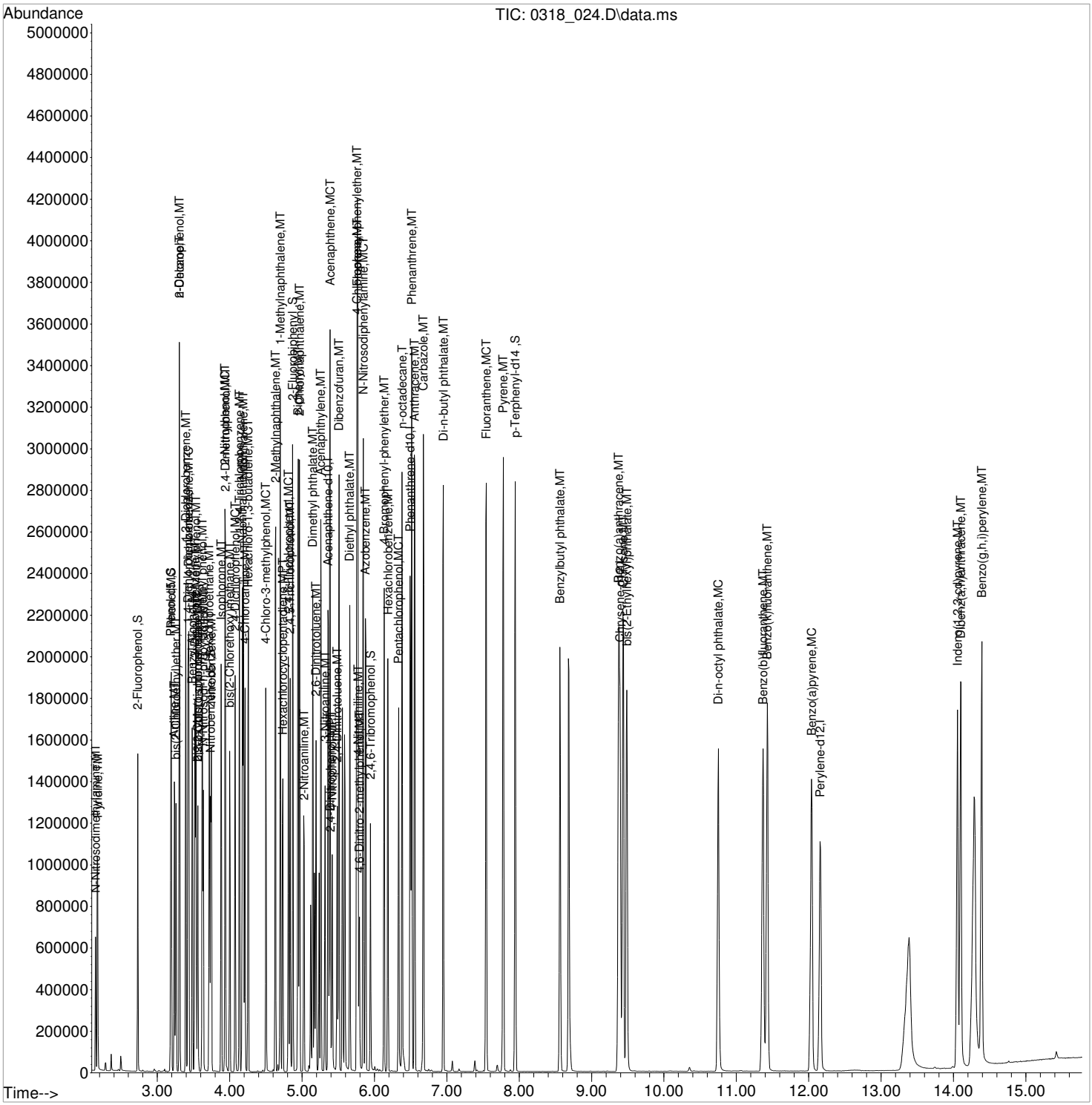
Quant Time: Mar 23 09:19:27 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40) 4-Chloro-3-methylphenol	4.499	107	266585	10311.2385186 ppb		98
41) 2-Methylnaphthalene	4.634	142	640289	10102.7056500 ppb		98
42) 1-Methylnaphthalene	4.699	142	619495	10373.3814771 ppb		100
47) Hexachlorocyclopentadiene	4.734	237	172296	7857.9346004 ppb		99
48) 2,4,6-Trichlorophenol	4.810	196	199710	10545.3828830 ppb		96
49) 2,4,5-Trichlorophenol	4.834	196	204637	10082.5453204 ppb		98
51) Biphenyl	4.946	154	771960	9763.5404840 ppb		100
52) 2-Chloronaphthalene	4.963	162	625050	10305.4013304 ppb		99
53) 2-Nitroaniline	5.028	138	209293	10610.1648953 ppb		100
54) Acenaphthylene	5.257	152	987090	10515.7261713 ppb		99
55) Dimethyl phthalate	5.146	163	701508	9973.1612462 ppb		99
56) 2,6-Dinitrotoluene	5.193	165	164832	10744.5228283 ppb		97
57) 3-Nitroaniline	5.316	138	182602	10712.8038395 ppb		99
58) Acenaphthene	5.387	153	640044	10085.1046788 ppb		99
59) 2,4-Dinitrophenol	5.393	184	75004	9790.3108179 ppb	#	48
60) Dibenzofuran	5.510	168	894802	10182.1797924 ppb		99
61) 2,4-Dinitrotoluene	5.487	165	215123	10747.9854994 ppb		98
63) 4-Nitrophenol	5.416	139	143471	10662.4662570 ppb		96
64) Fluorene	5.763	166	769464	10380.4026489 ppb		100
65) 4-Chlorophenyl-phenyle...	5.757	204	362265	10055.9596834 ppb		99
66) Diethyl phthalate	5.657	149	709823	10168.7138140 ppb		98
67) 4-Nitroaniline	5.775	138	201950	11027.5060927 ppb		99
68) Azobenzene	5.875	77	698548	10158.1232451 ppb		99
71) 4,6-Dinitro-2-methylph...	5.793	198	99853	9530.5379348 ppb	#	90
72) N-Nitrosodiphenylamine	5.846	169	634060	10239.5420589 ppb		100
74) 4-Bromophenyl-phenylether	6.134	248	212490	10202.0347034 ppb		93
75) Hexachlorobenzene	6.187	284	233632	10149.5069710 ppb		99
76) n-octadecane	6.381	55	86919	9891.8545576 ppb		99
77) Pentachlorophenol	6.334	266	146705	10845.7167381 ppb		99
78) Phenanthrene	6.516	178	1086354	10088.6317341 ppb		100
79) Anthracene	6.557	178	1073589	10085.3515846 ppb		100
80) Carbazole	6.675	167	1069129	10815.4277447 ppb		100
81) Di-n-butyl phthalate	6.951	149	1268371	10830.9571063 ppb		99
83) Fluoranthene	7.545	202	1160318	10186.4520180 ppb		100
86) Pyrene	7.781	202	1204347	10190.6718420 ppb		100
88) Benzylbutyl phthalate	8.563	149	539968	10644.5397048 ppb		98
90) Benzo(a)anthracene	9.375	228	1108247	9986.7482728 ppb		99
91) Chrysene	9.440	228	1103426	10300.2430660 ppb		99
92) bis(2-Ethylhexyl)phtha...	9.487	149	769869	10617.1861074 ppb		100
93) Di-n-octyl phthalate	10.751	149	1242711	10682.6178633 ppb		100
95) Benzo(b)fluoranthene	11.369	252	1082129	10448.6027405 ppb		99
96) Benzo(k)fluoranthene	11.428	252	1102088	10599.0108124 ppb		99
97) Benzo(a)pyrene	12.039	252	1018375	11300.4473737 ppb		99
98) Indeno(1,2,3-cd)pyrene	14.057	276	940448	10546.2028860 ppb		98
99) Dibenz(a,h)anthracene	14.104	278	994510	10443.8412997 ppb		99
100) Benzo(g,h,i)perylene	14.392	276	1021471	10823.3731561 ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

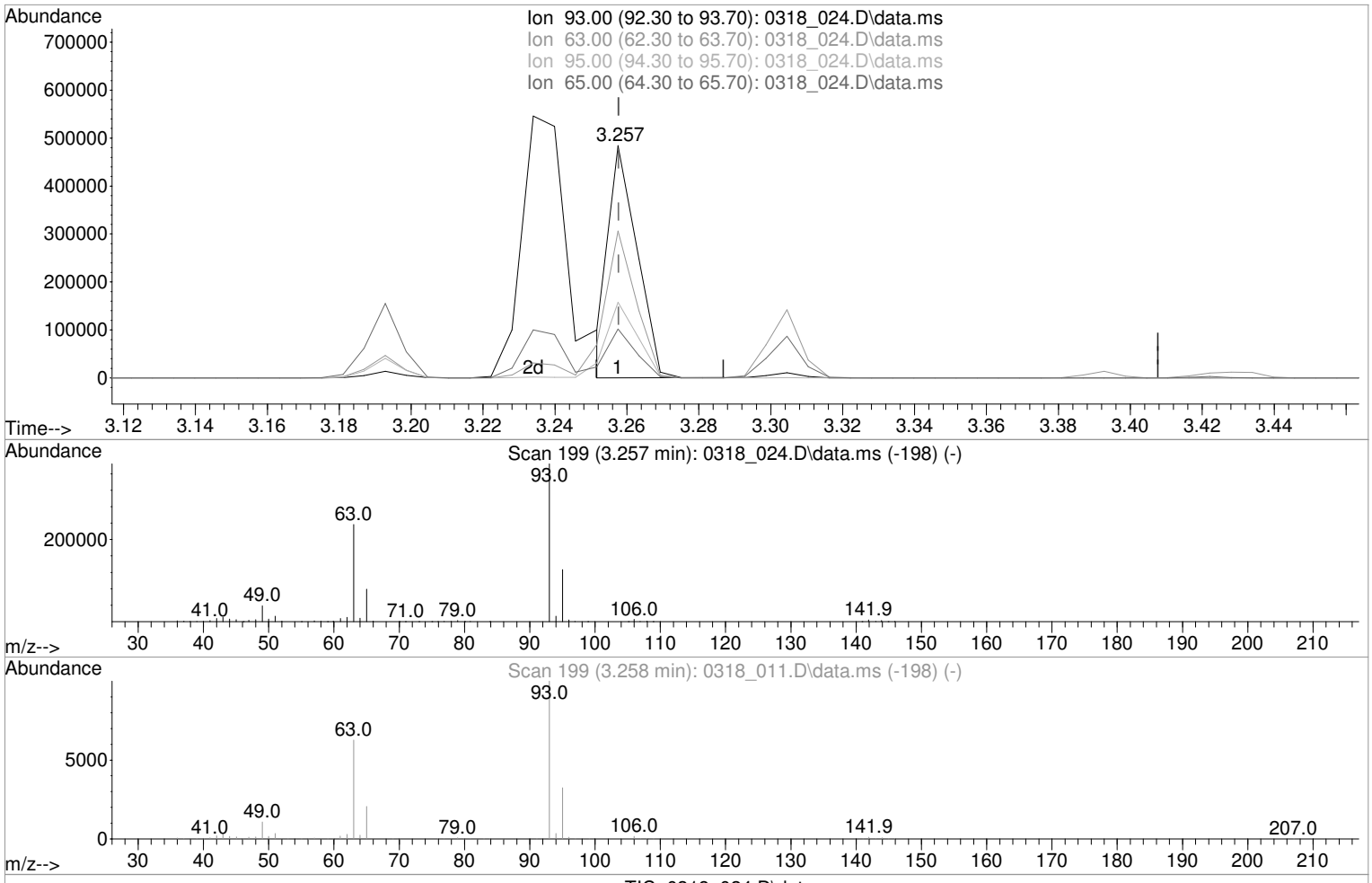
Data Path : C:\GCMS\1\data\031822\
Data File : 0318_024.D
Acq On : 18 Mar 2022 11:08 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 22C18419 exp 06/30/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 23 09:19:27 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration



Data Path : C:\GCMS\1\data\031822\
Data File : 0318_024.D
Acq On : 18 Mar 2022 11:08 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 22C18419 exp 06/30/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 23 09:19:27 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration



TIC: 0318_024.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.257min (-0.000) 9121.1510837 ppb

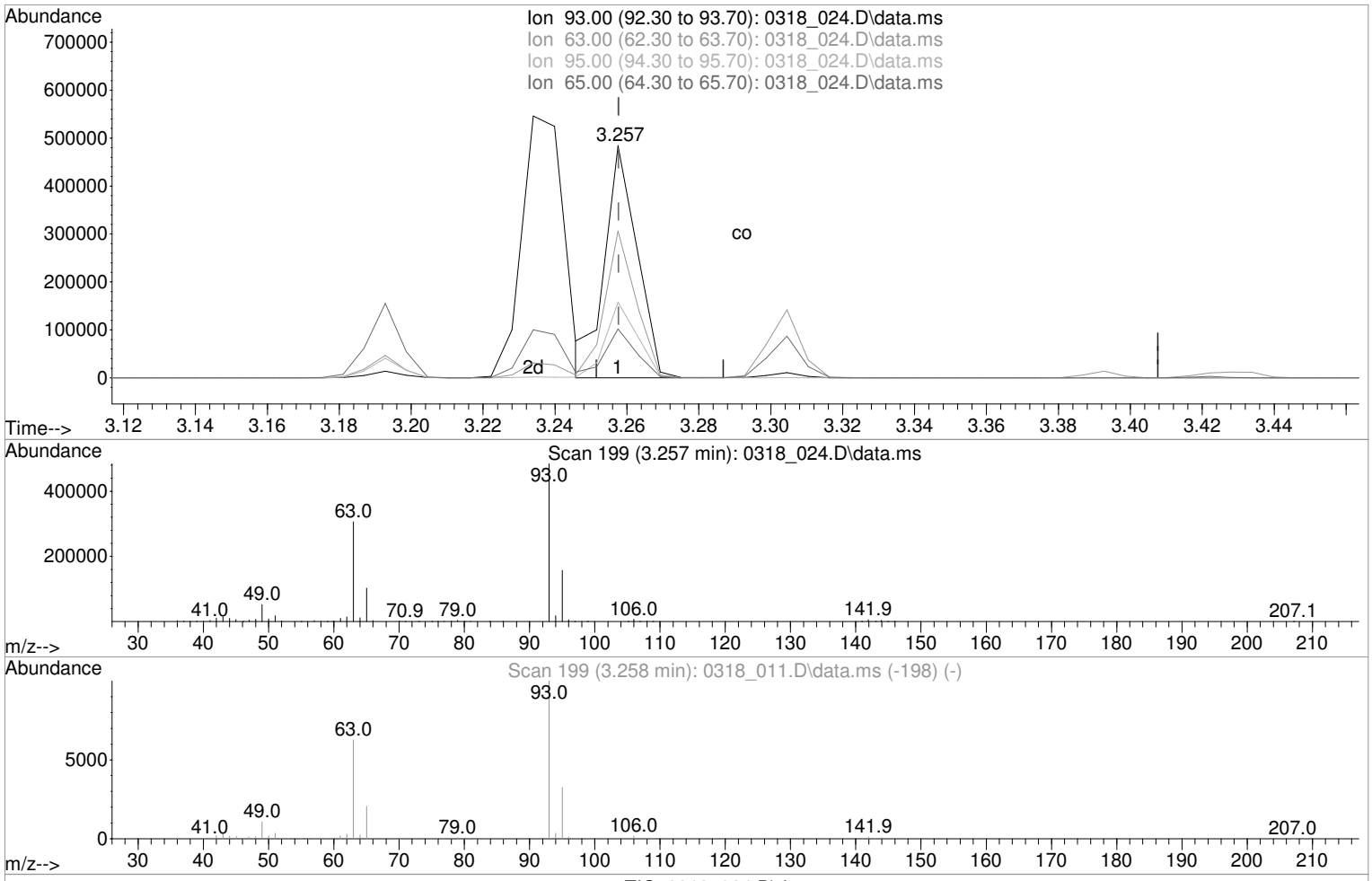
Qvalue = 100

response 262528

Ion	Exp%	Act%
93.00	100.00	100.00
63.00	63.50	63.24
95.00	32.10	32.55
65.00	21.10	21.05

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_024.D
Acq On : 18 Mar 2022 11:08 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 22C18419 exp 06/30/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 23 09:19:27 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration



TIC: 0318_024.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.257min (-0.000) 10354.9982865 ppb m

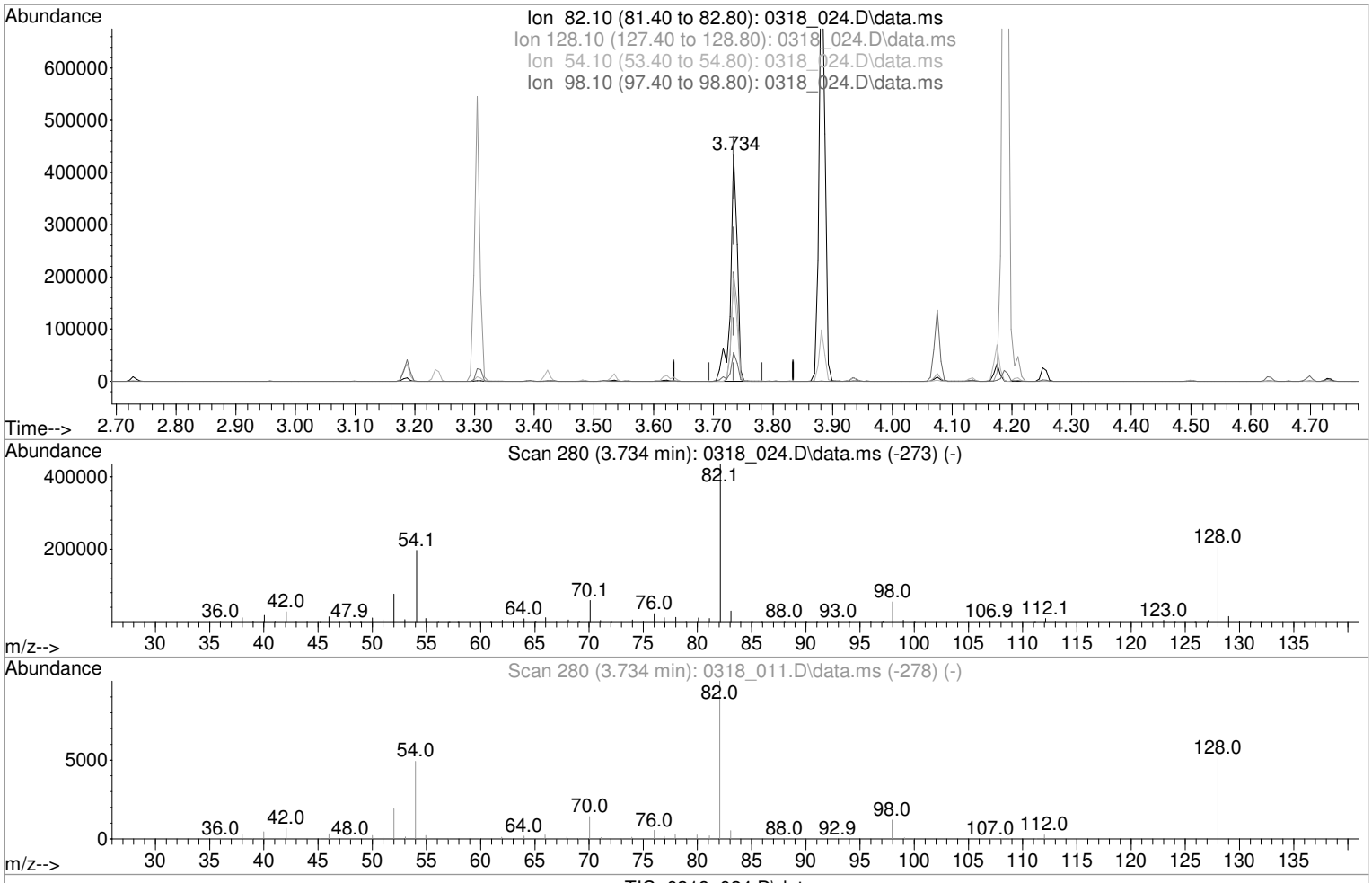
response 298041

Ion	Exp%	Act%
93.00	100.00	100.00
63.00	63.50	63.20
95.00	32.10	32.53
65.00	21.10	21.09

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_024.D
Acq On : 18 Mar 2022 11:08 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 22C18419 exp 06/30/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 23 09:19:27 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration



TIC: 0318_024.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (-0.000) 11223.0706093 ppb

Qvalue = 100

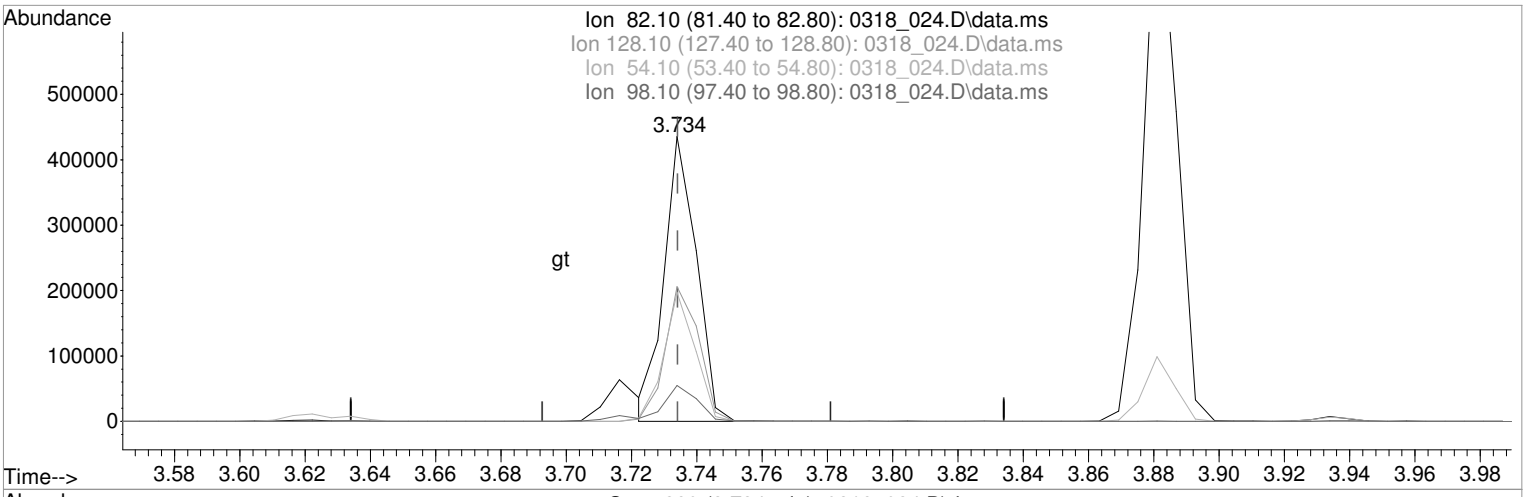
response 340980

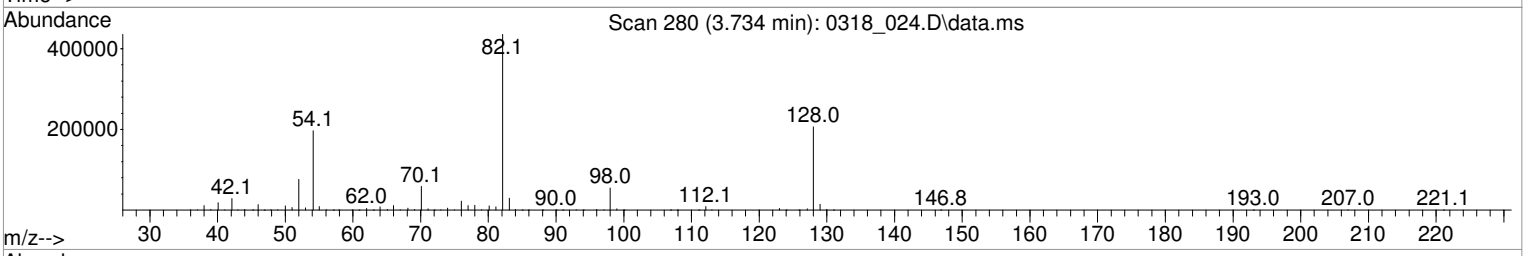
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	47.33
54.10	45.60	45.24
98.10	12.30	12.62

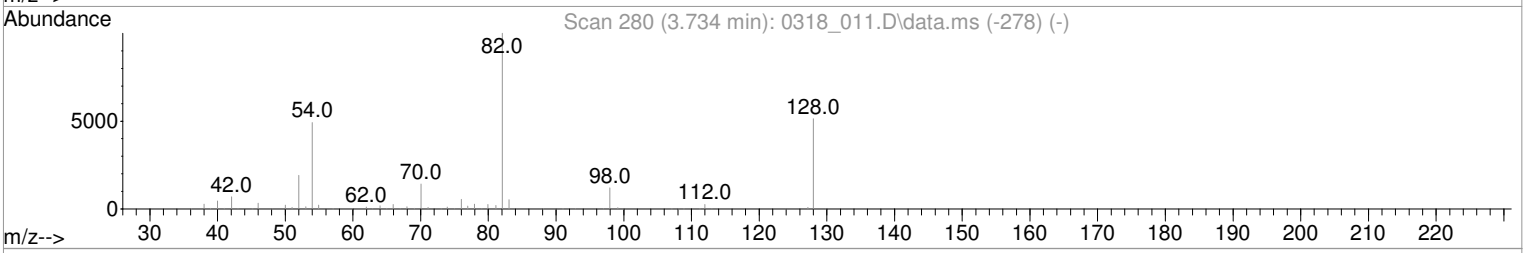
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_024.D
Acq On : 18 Mar 2022 11:08 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 22C18419 exp 06/30/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 23 09:19:27 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration







TIC: 0318_024.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (-0.000) 9788.7043882 ppb m

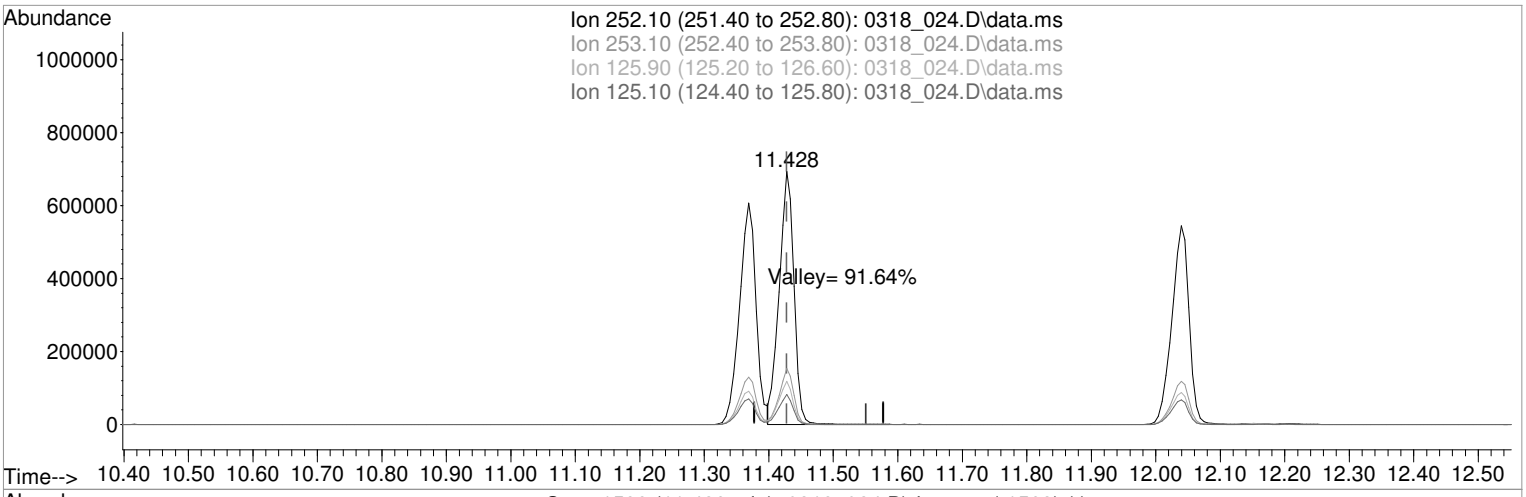
response 297401

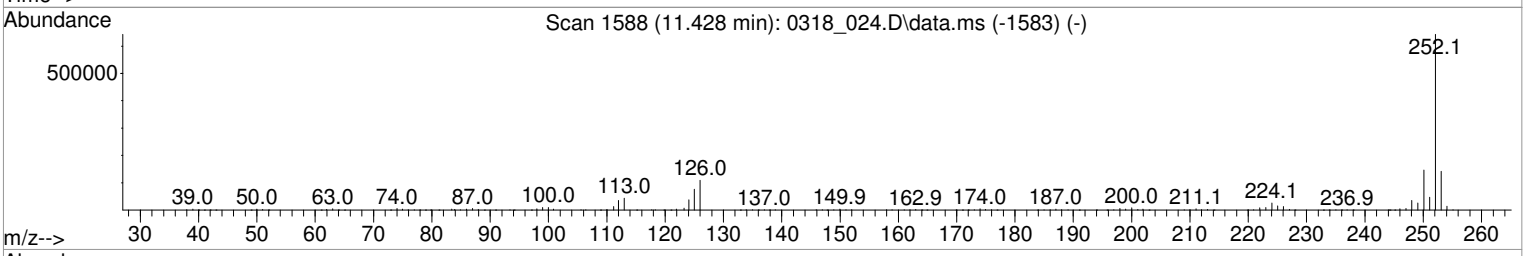
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	47.33
54.10	45.60	45.24
98.10	12.30	12.62

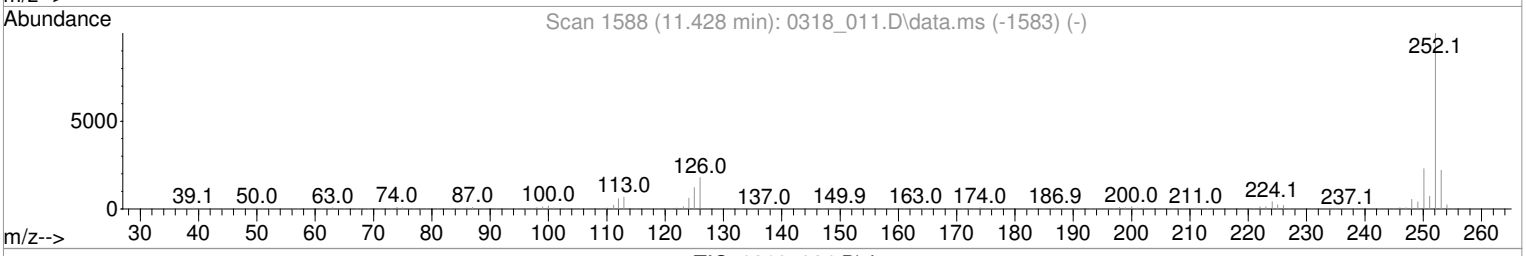
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_024.D
Acq On : 18 Mar 2022 11:08 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 22C18419 exp 06/30/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 23 09:19:27 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration







TIC: 0318_024.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.428min (-0.000) 10599.0108124 ppb

Qvalue = 99

response 1102088

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.10	22.09
125.90	17.80	17.11
125.10	12.20	11.89

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488626	**Calibration (begin) date/time:**	03/18/22 16:44
Instrument ID:	BNAMS33	**Calibration (end) date/time:**	03/18/22 22:47
Lab File ID:	0318_029-1	**Analysis date/time:**	03/23/22 11:21
Analytical Method:	8270E	**Sample ID:**	SSCV

Analyte	Avg. RRF	RRF	Min. RRF	Diff.	Max Diff.	True Value	Result	Result	Limits
				%	*%*	*mg/l*	*mg/l*	*% Rec.*	*%*
BENZOIC ACID	0.151556	0.15203780		0.3180		10	10.03	100	50 - 150

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_029.D
Acq On : 23 Mar 2022 11:21 am
Operator : 917
Sample : SSCV TCL 10K1 ppb 22C23005 exp 05/31/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 24 Sample Multiplier: 1

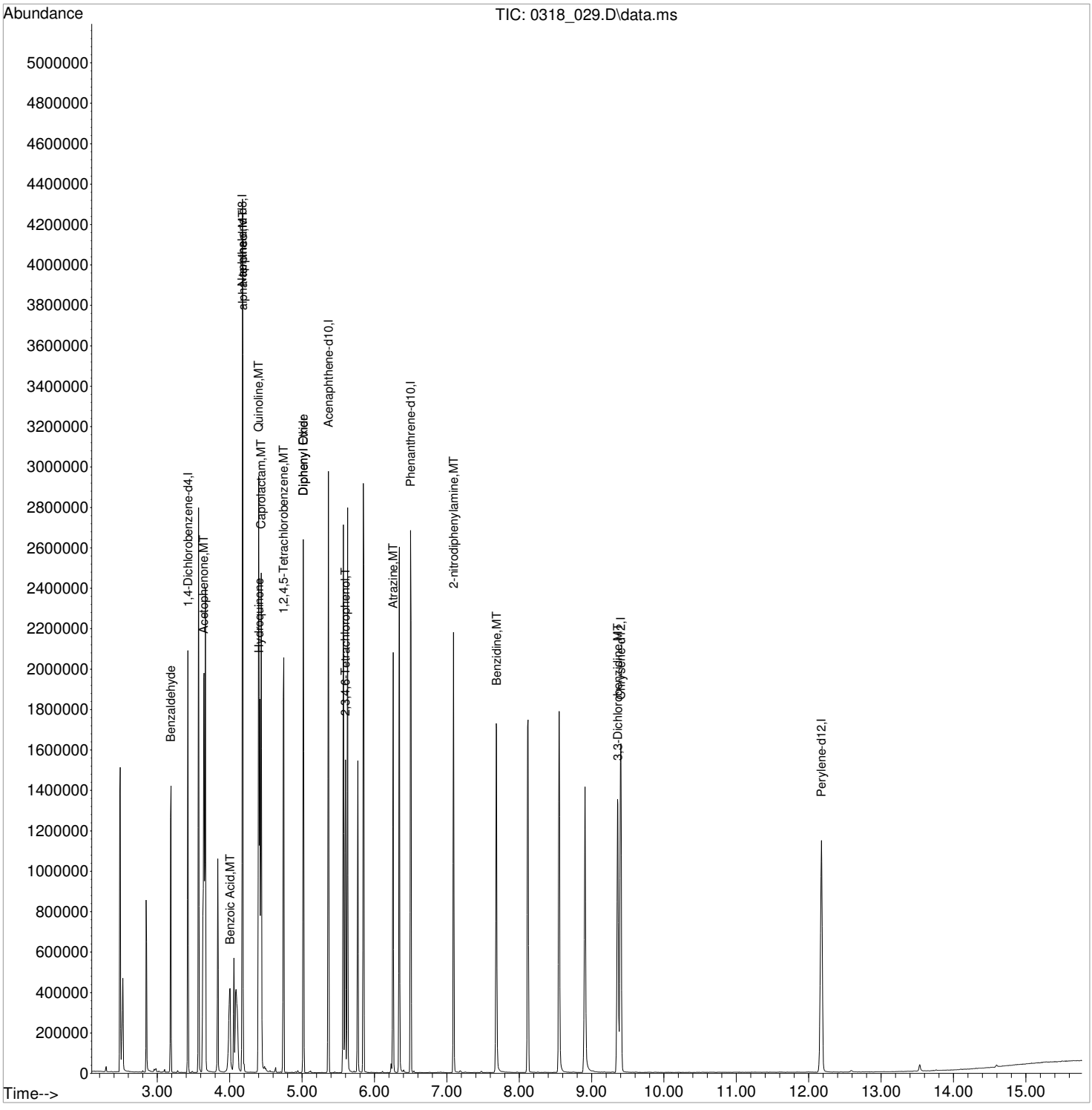
Quant Time: Mar 23 12:25:55 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.422	152	215126	8000.0000000 ppb		0.00
23) Naphthalene-d8	4.175	136	967033	8000.0000000 ppb		0.00
46) Acenaphthene-d10	5.364	164	473459	8000.0000000 ppb		0.00
70) Phenanthrene-d10	6.499	188	866636	8000.0000000 ppb		0.00
84) Chrysene-d12	9.405	240	770134	8000.0000000 ppb		0.02
94) Perylene-d12	12.175	264	739651	8000.0000000 ppb		0.02
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.0000000 ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.0000000 ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0	0.0000000 ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#		
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000 ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000 ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#		
87) p-Terphenyl-d14	0.000	244	0	0.0000000 ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
9) Benzaldehyde	3.187	105	225048	25512.3911193 ppb		99
22) Acetophenone	3.640	105	442396	9312.4770671 ppb	#	85
31) Benzoic Acid	4.005	105	183782	10031.7920544 ppb		92
33) alpha-terpineol	4.181	59	221477	8978.4545480 ppb		90
37) Hydroquinone	4.405	110	178977m	5016.2505165 ppb		
38) Quinoline	4.399	129	674737	9719.7495186 ppb		99
39) Caprolactam	4.434	113	111271	9561.4555023 ppb	#	49
43) 1,2,4,5-Tetrachloroben...	4.746	216	313455	9310.4240203 ppb		100
44) Diphenyl Ether	5.017	170	429354	9164.0816619 ug/ml		99
45) Diphenyl Oxide	5.017	170	429354	9164.0816619 ug/ml		99
62) 2,3,4,6-Tetrachlorophenol	5.599	232	155149	8997.6836571 ppb		95
69) Atrazine	6.258	200	202084	8622.8472517 ppb	#	100
82) 2-nitrodiphenylamine	7.093	167	232157	8311.7341663 ppb		99
85) Benzidine	7.687	184	743889	12491.5063474 ppb	#	100
89) 3,3-Dichlorobenzidine	9.363	252	414950	9575.1946821 ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_029.D
Acq On : 23 Mar 2022 11:21 am
Operator : 917
Sample : SSCV TCL 10K1 ppb 22C23005 exp 05/31/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 24 Sample Multiplier: 1

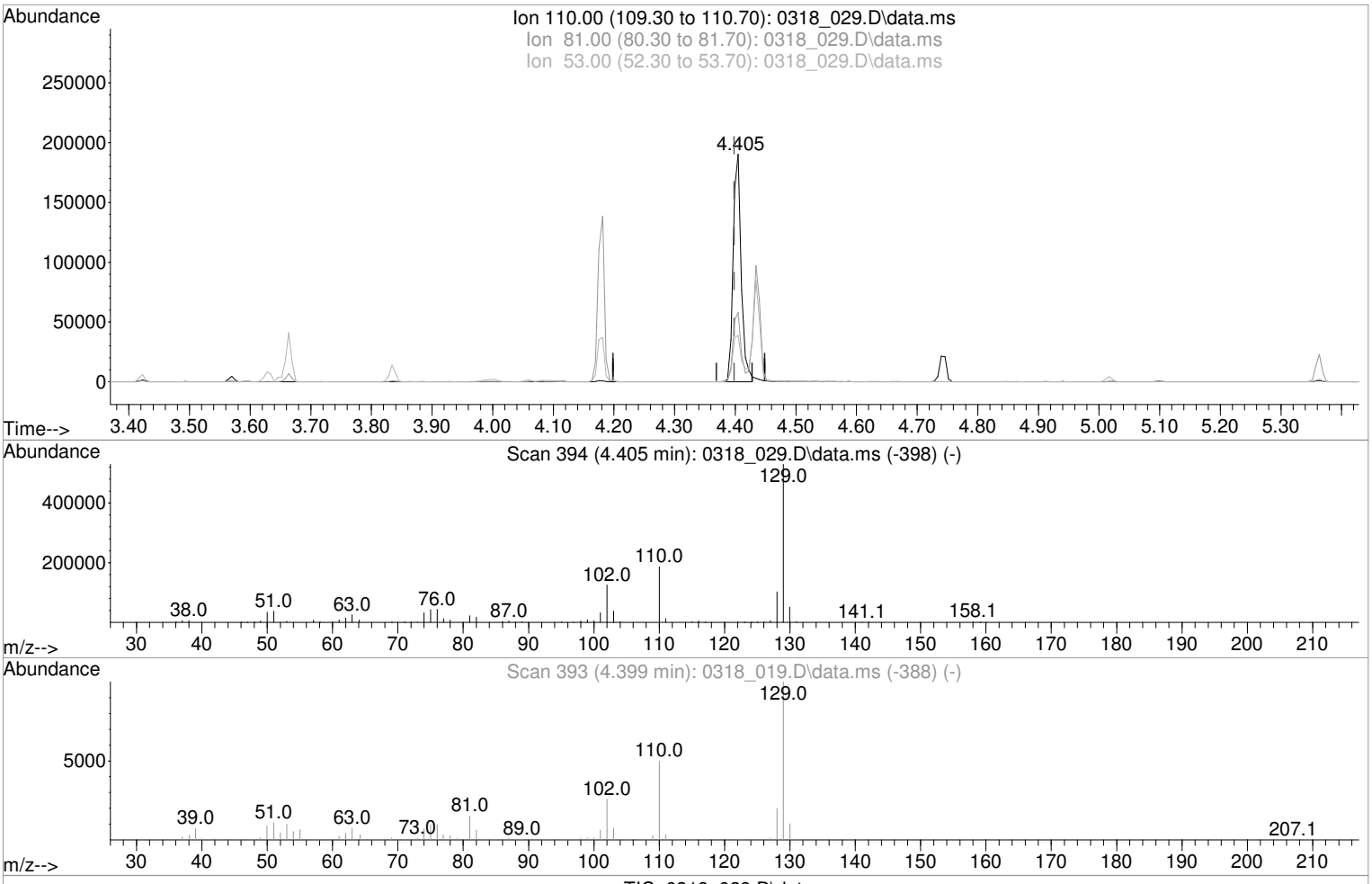
Quant Time: Mar 23 12:25:55 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_029.D
Acq On : 23 Mar 2022 11:21 am
Operator : 917
Sample : SSCV TCL 10K1 ppb 22C23005 exp 05/31/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 23 12:25:55 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration



TIC: 0318_029.D\data.ms

(37) Hydroquinone

4.405min (+ 0.006) 4950.6665241 ppb

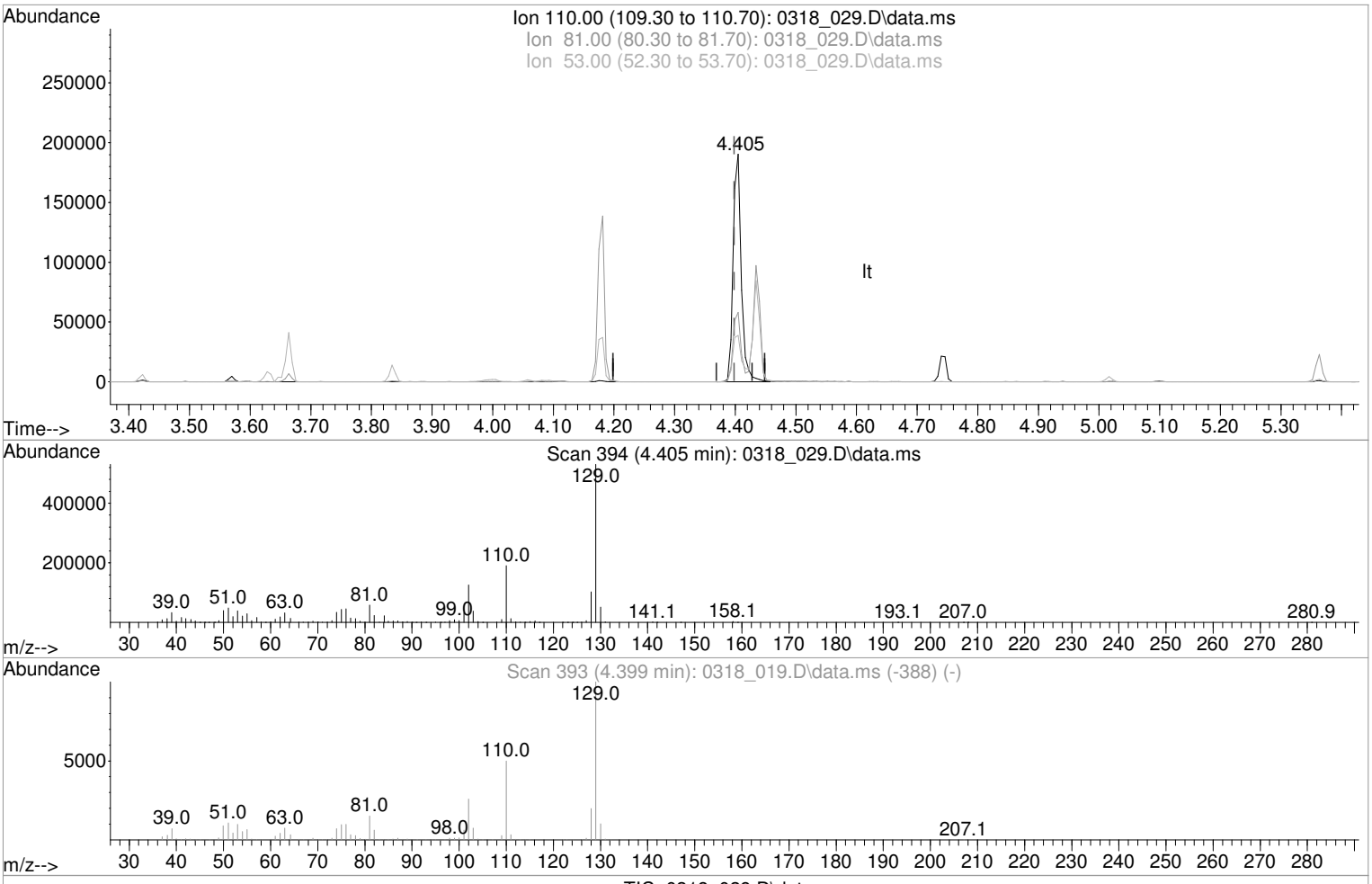
Qvalue = 99

response 176637

Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	30.42
53.00	19.80	20.40
0.00	0.00	0.00

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_029.D
Acq On : 23 Mar 2022 11:21 am
Operator : 917
Sample : SSCV TCL 10K1 ppb 22C23005 exp 05/31/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 23 12:25:55 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration



TIC: 0318_029.D\data.ms

(37) Hydroquinone

4.405min (+ 0.006) 5016.2505165 ppb m

response 178977

Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	30.42
53.00	19.80	20.40
0.00	0.00	0.00

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488626	**Calibration (begin) date/time:**	03/18/22 16:44
Instrument ID:	BNAMS33	**Calibration (end) date/time:**	03/18/22 22:47
Lab File ID:	0505_03-1	**Analysis date/time:**	05/05/22 10:17
Analytical Method:	8270E	**Sample ID:**	ICV

Analyte	Avg. RRF	RRF	Min. RRF	Diff. %	Max Diff. %	True Value mg/l	Result mg/l	Result % Rec.	Limits %
1-METHYLNAPHTHALENE	0.650153	0.63900150		1.72		10	9.828	98.30	
2-METHYLNAPHTHALENE	0.689979	0.667798		3.21		10	9.679	96.80	
3&4-METHYL PHENOL	1.327309	1.330292		0.2250		10	10.02	100	
ACENAPHTHENE	1.182364	1.136713		3.86	20	10	9.614	96.10	
ACENAPHTHYLENE	1.748797	1.692444		3.22		10	9.678	96.80	
ANTHRACENE	1.061563	1.013854		4.49		10	9.551	95.50	
BENZO(A)ANTHRACENE	1.278651	1.154504		9.71		10	9.474	94.70	
BENZO(A)PYRENE	1.011749	1.016552		0.4750	20	10	10.05	101	
BENZO(B)FLUORANTHENE	1.162737	1.160285		0.2110		10	9.979	99.80	
BENZO(G,H,I)PERYLENE	1.059556	1.043714		1.50		10	9.850	98.50	
BENZO(K)FLUORANTHENE	1.167378	1.195023		2.37		10	10.24	102	
BIS(2-ETHYLHEXYL)PHTHALATE	0.796163	0.696471		12.50		10	8.748	87.50	
CARBAZOLE	0.985792	0.96967410		1.64		10	9.837	98.40	
CHRYSENE	1.176226	1.121402		4.66		10	9.534	95.30	
DI-N-BUTYL PHTHALATE	1.167826	1.112858		4.71		10	9.529	95.30	
DI-N-OCTYL PHTHALATE	1.277284	1.140692		10.70	20	10	8.931	89.30	
DIBENZ(A,H)ANTHRACENE	1.069078	1.029340		3.72		10	9.628	96.30	
DIBENZOFURAN	1.637224	1.604747		1.98		10	9.802	98	
FLUORANTHENE	1.135933	1.159375		2.06	20	10	10.21	102	
FLUORENE	1.381007	1.364269		1.21		10	9.879	98.80	
INDENO(1,2,3-CD)PYRENE	1.001150	0.94854680		5.25		10	9.475	94.80	
NAPHTHALENE	1.020046	0.98005470		3.92		10	9.608	96.10	
PENTACHLOROPHENOL	0.111668	0.14086770		26.10	20	10	10.45	104	80 - 120
PHENANTHRENE	1.073836	1.007490		6.18		10	9.382	93.80	
PHENOL	1.534228	1.571353		2.42	20	10	10.24	102	
PYRENE	1.297608	1.229508		5.25		10	9.475	94.80	
2,4,6-TRIBROMOPHENOL	0.103844	0.11292020		8.74		10	10.87	109	70 - 130
2-FLUOROBIPHENYL	1.339365	1.286162		3.97		10	9.603	96	70 - 130
2-FLUOROPHENOL	1.198747	1.169009		2.48		10	9.752	97.50	70 - 130
NITROBENZENE-D5	0.330762	0.36145210		9.28		10	10.93	109	70 - 130
P-TERPHENYL-D14	1.038484	0.98544630		5.11		10	9.489	94.90	70 - 130
PHENOL-D5	1.525585	1.563548		2.49		10	10.25	103	70 - 130

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_03.D
Acq On : 05 May 2022 10:17 am
Operator : 917
Sample : ICV SVMS 10K ppb 22C22891 exp 08/25/22
Misc : SVMS CAL ISTD 22C22755 exp 09/25/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 05 11:35:31 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.305	152	143708	8000.0000000 ppb		-0.02
23) Naphthalene-d8	4.052	136	551677	8000.0000000 ppb		-0.02
46) Acenaphthene-d10	5.222	164	336393	8000.0000000 ppb		-0.03
70) Phenanthrene-d10	6.352	188	672546	8000.0000000 ppb		-0.04
84) Chrysene-d12	9.140	240	655198	8000.0000000 ppb		-0.06
94) Perylene-d12	11.816	264	610792	8000.0000000 ppb		-0.08
System Monitoring Compounds						
4) 2-Fluorophenol	2.623	112	209995	9751.9247776 ppb		-0.02
Spiked Amount 4000.000	Range 10 - 120		Recovery = 243.80%#			
7) Phenol-d5	3.081	99	280868	10248.8442801 ppb		-0.01
Spiked Amount 4000.000	Range 10 - 120		Recovery = 256.22%#			
24) Nitrobenzene-d5	3.617	82	249256m	10927.8752731 ppb		-0.02
Spiked Amount 2000.000	Range 10 - 126		Recovery = 546.39%#			
50) 2-Fluorobiphenyl	4.740	172	540820	9602.7747977 ppb		-0.03
Spiked Amount 2000.000	Range 22 - 127		Recovery = 480.14%#			
73) 2,4,6-Tribromophenol	5.811	330	94930	10873.9818390 ppb		-0.03
Spiked Amount 4000.000	Range 10 - 153		Recovery = 271.85%#			
87) p-Terphenyl-d14	7.758	244	807078	9489.2738215 ppb		-0.05
Spiked Amount 2000.000	Range 29 - 141		Recovery = 474.46%#			
Target Compounds						Qvalue
2) Pyridine	2.070	79	226351	10251.5637768 ppb		99
3) N-Nitrosodimethylamine	2.040	42	101854	10626.2797600 ppb		99
5) Aniline	3.123	66	116701	10533.3026079 ppb		89
6) bis(2-Chloroethyl)ether	3.146	93	221004	10173.7945061 ppb		99
8) Phenol	3.087	94	282270	10241.9808998 ppb		98
10) 2-Chlorophenol	3.187	128	236152	9724.1851262 ppb		92
11) n-Decane	3.187	41	98579	10038.6799154 ppb		98
12) 1,3-Dichlorobenzene	3.276	146	256095	9682.8135126 ppb		98
13) 1,4-Dichlorobenzene	3.317	146	260308	9558.1847299 ppb		99
14) Benzyl Alcohol	3.370	79	192373	10489.9547655 ppb		99
15) 1,2-Dichlorobenzene	3.399	146	245419	9622.4467176 ppb		93
16) bis(2-Chloroisopropyl)...	3.440	121	77862	9491.0706847 ppb	#	88
17) 2,2-oxybis(1-chloropro...	3.440	121	77862	9491.0706847 ppb	#	88
18) 2-Methylphenol	3.423	108	207225	9917.9353982 ppb		97
19) Hexachloroethane	3.593	117	102431	9700.6995551 ppb		99
20) N-Nitrosodi-n-propylamine	3.517	70	168163	10750.1586496 ppb		97
21) 3&4-Methyl phenol	3.511	107	238967	10022.4730045 ppb		97
25) Nitrobenzene	3.628	77	247085	10916.2422639 ppb		96
26) Isophorone	3.764	82	462389	10664.5541827 ppb		96
27) 2-Nitrophenol	3.817	139	130962	11147.1097242 ppb		91
28) 2,4-Dimethylphenol	3.823	107	208460	8754.3153720 ppb		94
29) bis(2-Chlorethoxy)methane	3.881	93	269584	10046.4649719 ppb		99
30) 2,4-Dichlorophenol	3.958	162	197879	10008.7487960 ppb		98
32) 1,2,4-Trichlorobenzene	4.011	180	218981	9743.0160235 ppb		100
34) Naphthalene	4.064	128	675842	9607.9408932 ppb		99
35) 4-Chloroaniline	4.087	65	78465	10512.2183597 ppb	#	50
36) Hexachloro-1,3-butadiene	4.128	225	131975	10080.1606095 ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_03.D
Acq On : 05 May 2022 10:17 am
Operator : 917
Sample : ICV SVMS 10K ppb 22C22891 exp 08/25/22
Misc : SVMS CAL ISTD 22C22755 exp 09/25/22
ALS Vial : 3 Sample Multiplier: 1

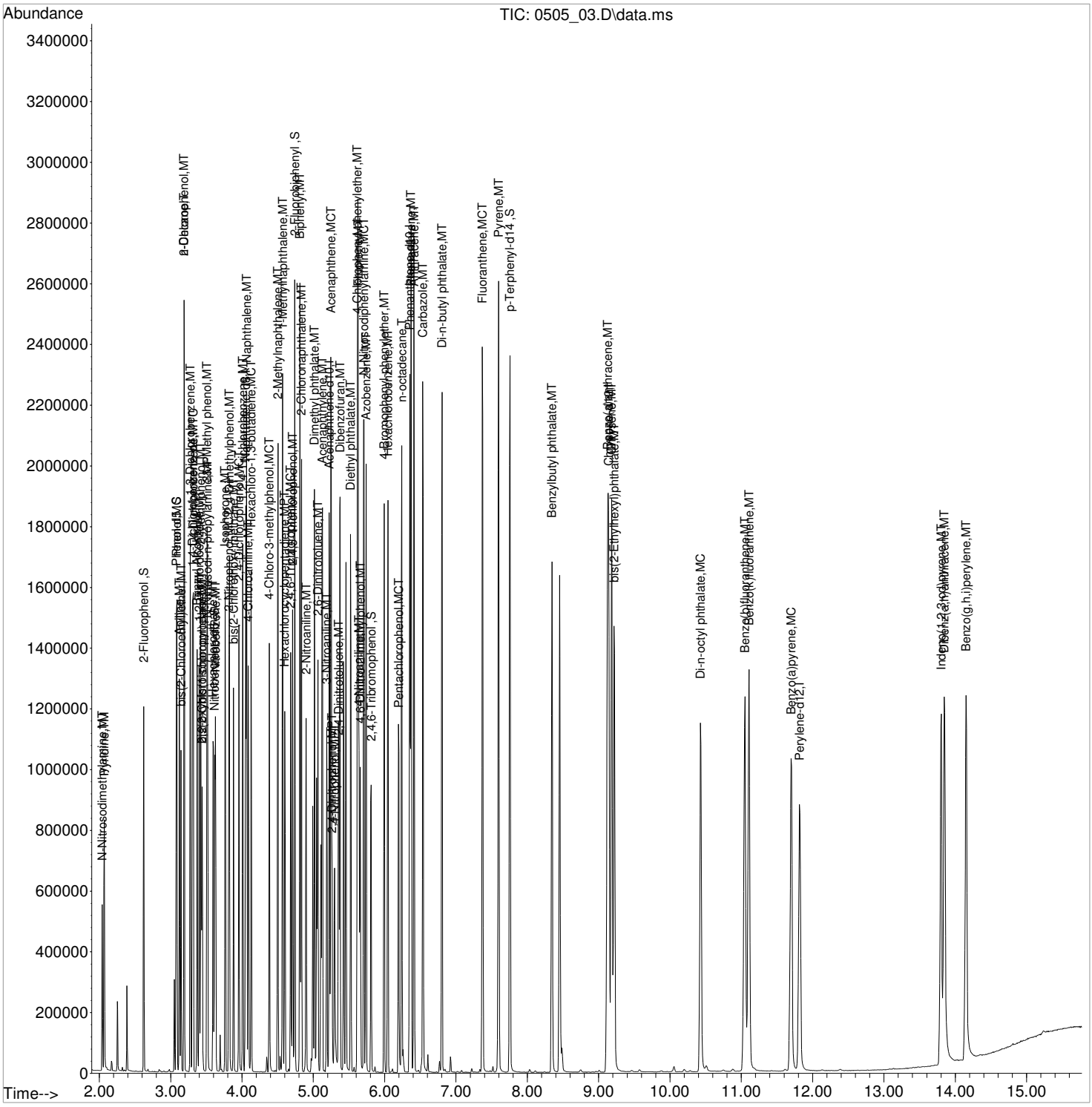
Quant Time: May 05 11:35:31 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40)	4-Chloro-3-methylphenol	4.381	107	204527	10537.3909049 ppb		96
41)	2-Methylnaphthalene	4.505	142	460511	9678.5207757 ppb		98
42)	1-Methylnaphthalene	4.570	142	440653	9828.4853406 ppb		98
47)	Hexachlorocyclopentadiene	4.599	237	141764	8253.1612821 ppb		96
48)	2,4,6-Trichlorophenol	4.681	196	159021	10718.6028545 ppb		96
49)	2,4,5-Trichlorophenol	4.711	196	164671	10356.7693341 ppb		98
51)	Biphenyl	4.811	154	589095	9510.8433591 ppb		100
52)	2-Chloronaphthalene	4.834	162	457512	9628.8361821 ppb		97
53)	2-Nitroaniline	4.899	138	161604	10457.8087399 ppb		93
54)	Acenaphthylene	5.128	152	711658	9677.7636291 ppb		99
55)	Dimethyl phthalate	5.017	163	542935	9853.0165042 ppb		98
56)	2,6-Dinitrotoluene	5.064	165	130479	10856.9386259 ppb		96
57)	3-Nitroaniline	5.187	138	140450	10518.1782079 ppb		86
58)	Acenaphthene	5.246	153	477978	9613.9010040 ppb		97
59)	2,4-Dinitrophenol	5.264	184	86522	13594.5415739 ppb	#	1
60)	Dibenzofuran	5.375	168	674782	9801.6335758 ppb		99
61)	2,4-Dinitrotoluene	5.358	165	177752	11336.4187714 ppb		97
63)	4-Nitrophenol	5.299	139	110226	10456.7987667 ppb		97
64)	Fluorene	5.628	166	573663	9878.7931567 ppb		99
65)	4-Chlorophenyl-phenyle...	5.617	204	282823	10021.5068958 ppb		91
66)	Diethyl phthalate	5.522	149	535378	9790.3369011 ppb		98
67)	4-Nitroaniline	5.640	138	153700	10713.4284832 ppb		94
68)	Azobenzene	5.740	77	557001	10339.3766748 ppb		98
71)	4,6-Dinitro-2-methylph...	5.658	198	113325	12346.3776753 ppb		90
72)	N-Nitrosodiphenylamine	5.711	169	493129	9499.0472242 ppb		99
74)	4-Bromophenyl-phenylether	5.993	248	171317	9811.1086739 ppb		94
75)	Hexachlorobenzene	6.046	284	185330	9603.4586499 ppb		99
76)	n-octadecane	6.240	55	68528	9302.5151010 ppb		98
77)	Pentachlorophenol	6.199	266	118425	10452.2367983 ppb		96
78)	Phenanthrene	6.369	178	846979	9382.1607481 ppb		99
79)	Anthracene	6.411	178	852329	9550.5763443 ppb		100
80)	Carbazole	6.534	167	815188	9836.5022115 ppb		100
81)	Di-n-butyl phthalate	6.805	149	935560	9529.3110450 ppb		100
83)	Fluoranthene	7.369	202	974666	10206.3640814 ppb		99
86)	Pyrene	7.599	202	1006964	9475.1848306 ppb		99
88)	Benzylbutyl phthalate	8.346	149	412937	9052.4310569 ppb		96
90)	Benzo(a)anthracene	9.128	228	945536	9474.3756843 ppb		98
91)	Chrysene	9.181	228	918425	9533.8984499 ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.216	149	570408	8747.8387706 ppb		99
93)	Di-n-octyl phthalate	10.428	149	934224	8930.6102256 ppb		99
95)	Benzo(b)fluoranthene	11.052	252	885866	9978.9130289 ppb		98
96)	Benzo(k)fluoranthene	11.110	252	912388	10236.8101408 ppb		96
97)	Benzo(a)pyrene	11.699	252	776127	10047.4700936 ppb		97
98)	Indeno(1,2,3-cd)pyrene	13.804	276	724206m	9474.5692794 ppb		
99)	Dibenz(a,h)anthracene	13.846	278	785891	9628.2963083 ppb		99
100)	Benzo(g,h,i)perylene	14.151	276	796865	9850.4793517 ppb		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_03.D
Acq On : 05 May 2022 10:17 am
Operator : 917
Sample : ICV SVMS 10K ppb 22C22891 exp 08/25/22
Misc : SVMS CAL ISTD 22C22755 exp 09/25/22
ALS Vial : 3 Sample Multiplier: 1

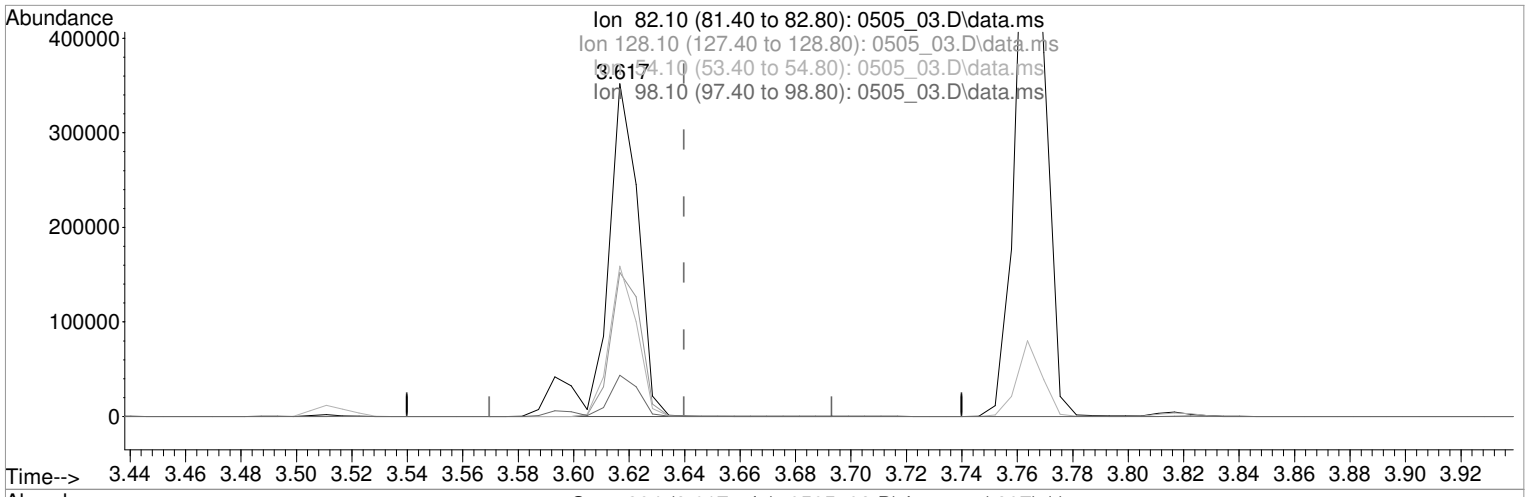
Quant Time: May 05 11:35:31 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration

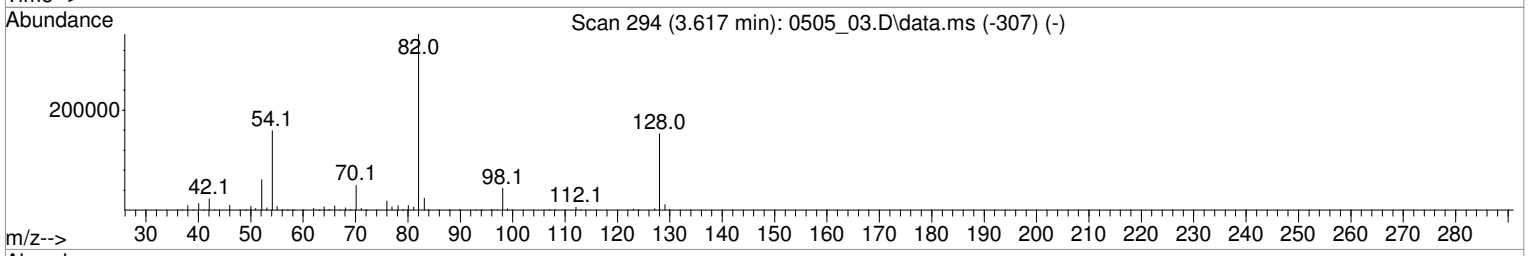


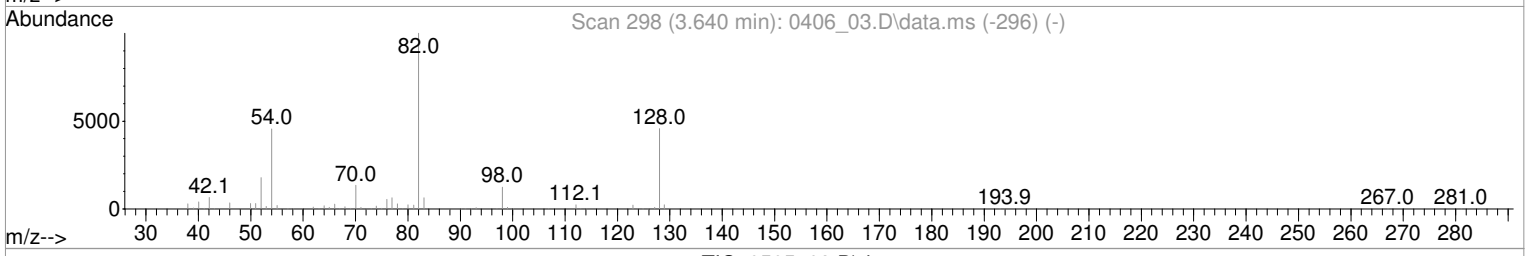
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_03.D
Acq On : 05 May 2022 10:17 am
Operator : 917
Sample : ICV SVMS 10K ppb 22C22891 exp 08/25/22
Misc : SVMS CAL ISTD 22C22755 exp 09/25/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 05 11:35:31 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration







TIC: 0505_03.D\data.ms

(24) Nitrobenzene-d5 (S)

3.617min (-0.023) 12342.1296965 ppb

Qvalue = 97

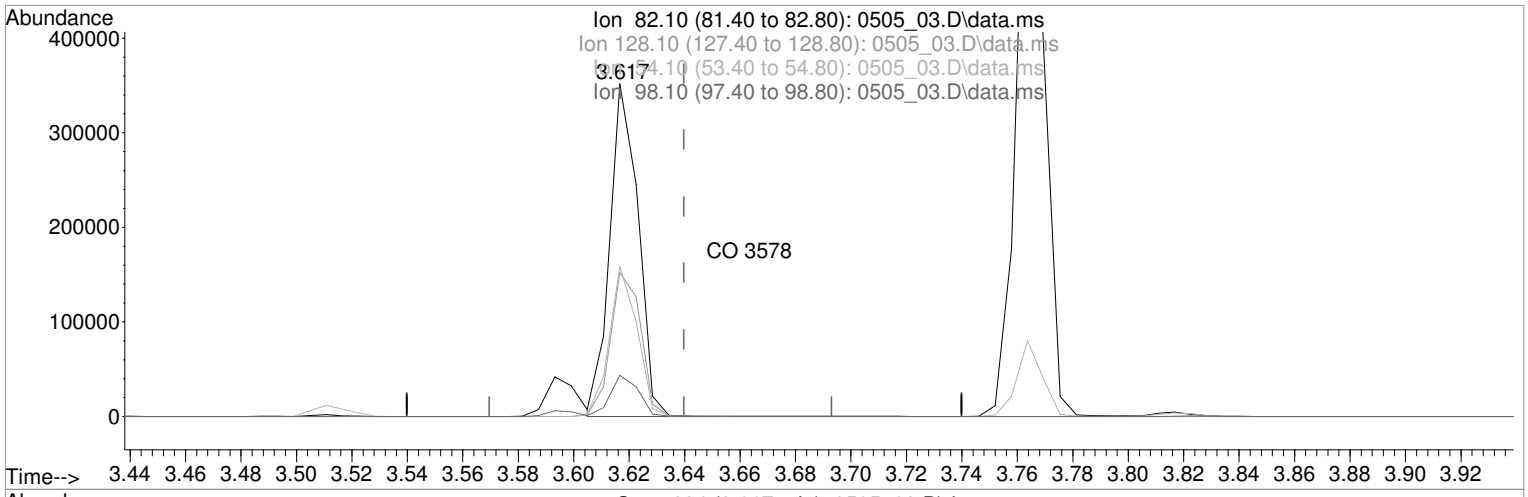
response 281514

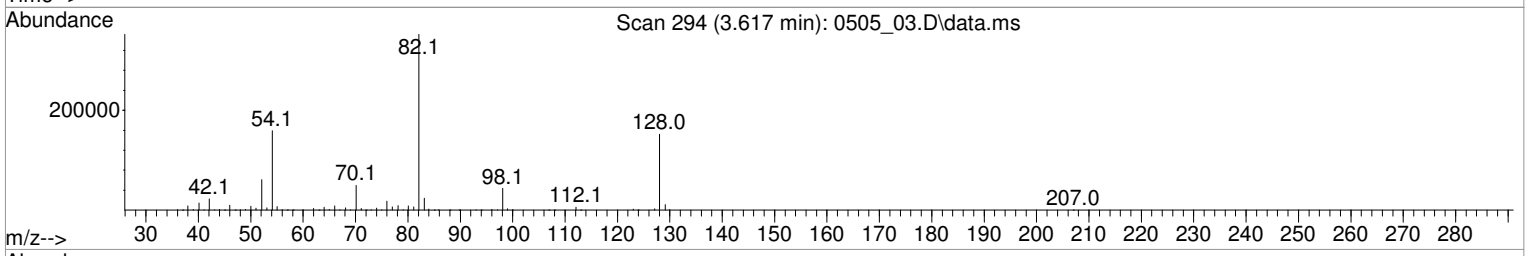
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	43.28
54.10	45.60	45.23
98.10	12.30	12.36

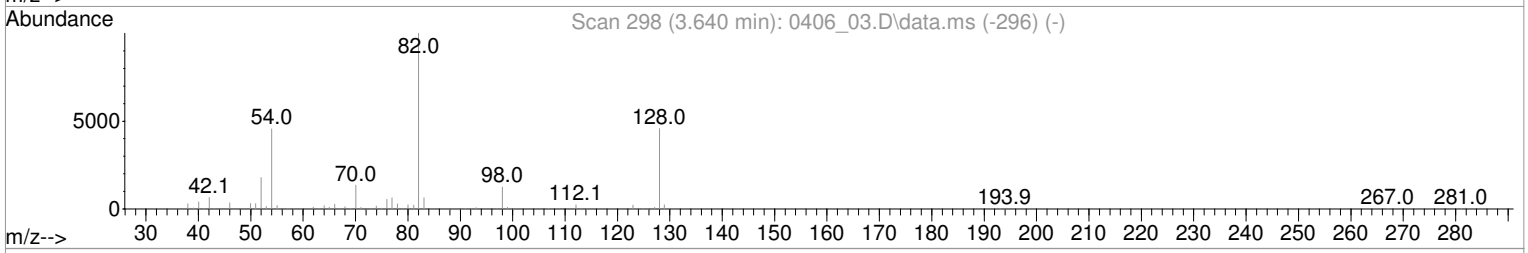
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_03.D
Acq On : 05 May 2022 10:17 am
Operator : 917
Sample : ICV SVMS 10K ppb 22C22891 exp 08/25/22
Misc : SVMS CAL ISTD 22C22755 exp 09/25/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 05 11:35:31 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration







TIC: 0505_03.D\data.ms

(24) Nitrobenzene-d5 (S)

3.617min (-0.023) 10927.8752731 ppb m

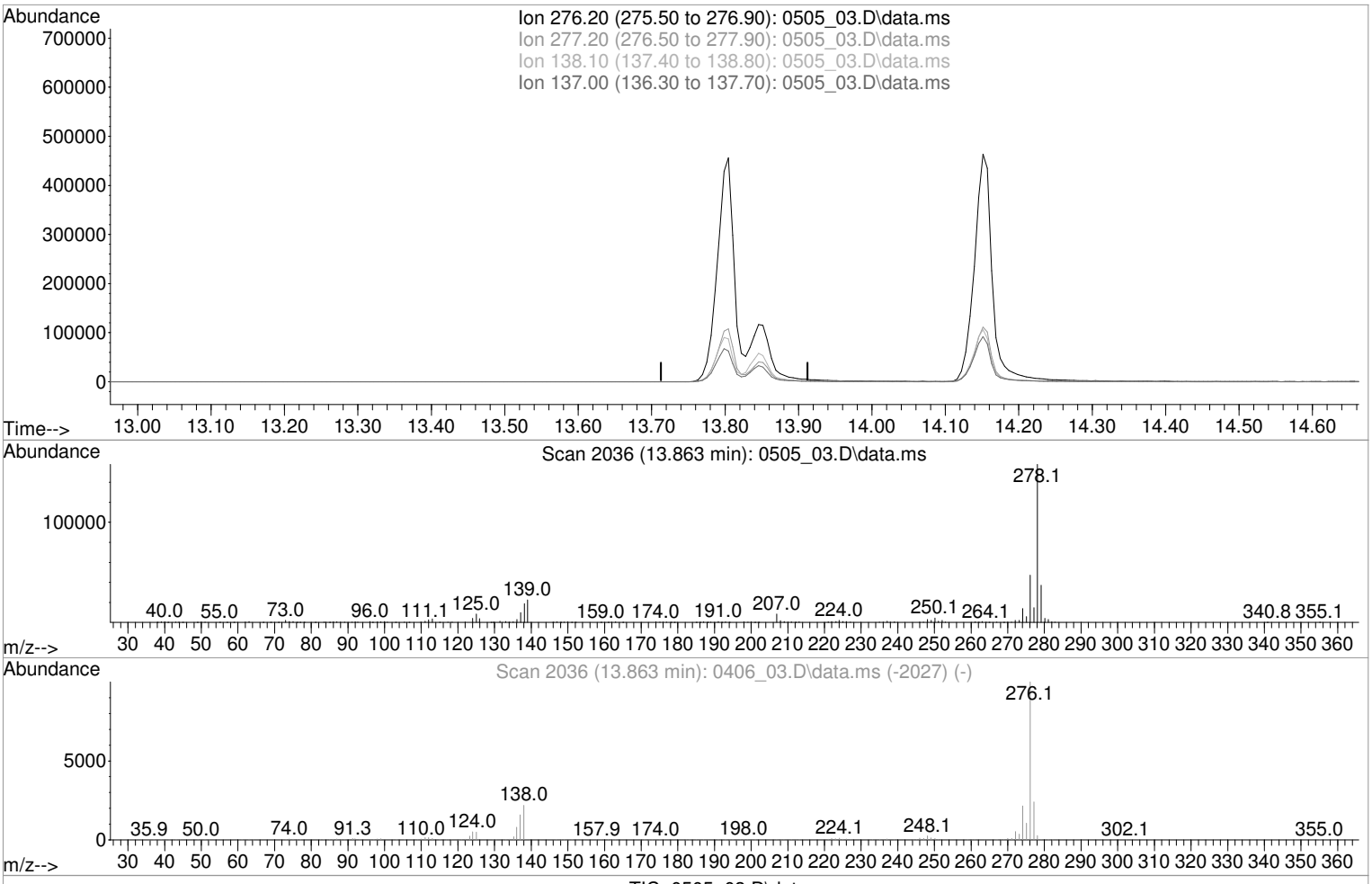
response 249256

Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	43.28
54.10	45.60	45.23
98.10	12.30	12.36

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_03.D
Acq On : 05 May 2022 10:17 am
Operator : 917
Sample : ICV SVMS 10K ppb 22C22891 exp 08/25/22
Misc : SVMS CAL ISTD 22C22755 exp 09/25/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 05 11:35:31 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration



TIC: 0505_03.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

13.863min (-13.863) 0.0000000 ppb

Qvalue = 0

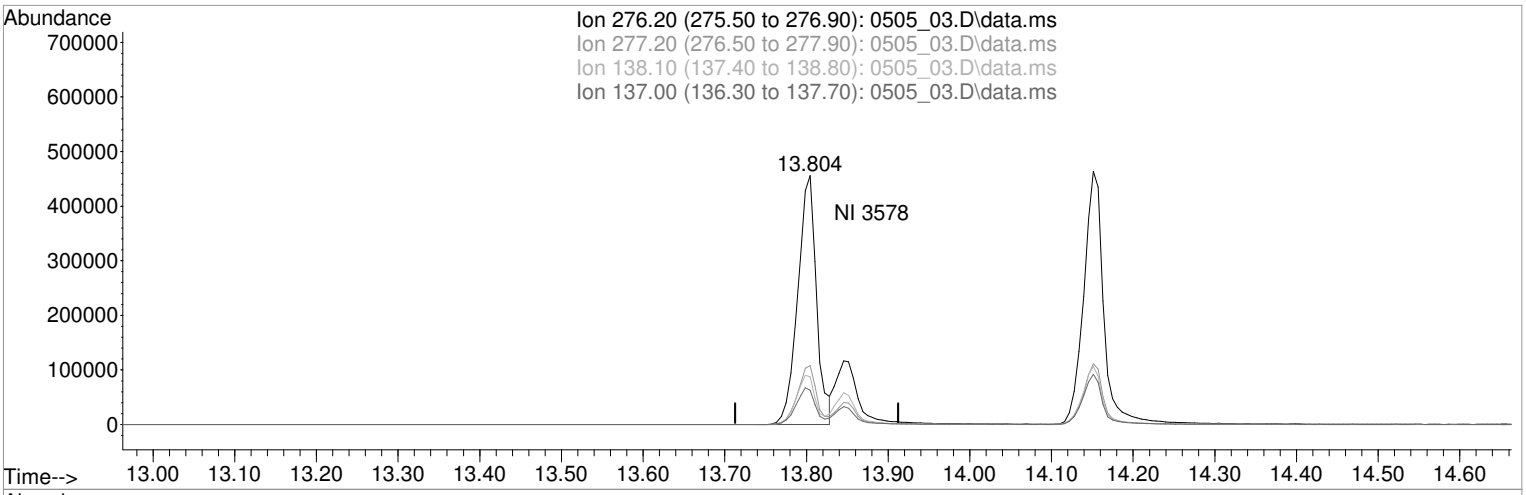
response 0

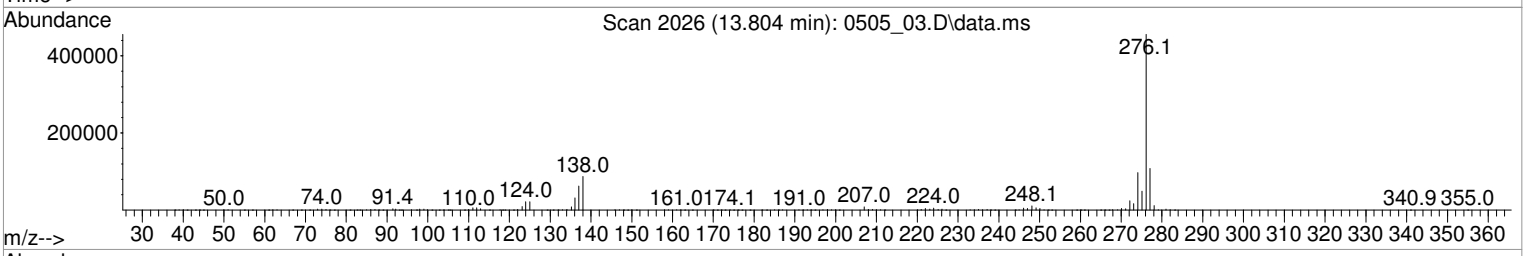
Ion	Exp%	Act%
276.20	100.00	0.00
277.20	24.50	0.00#
138.10	24.00	0.00#
137.00	17.50	0.00

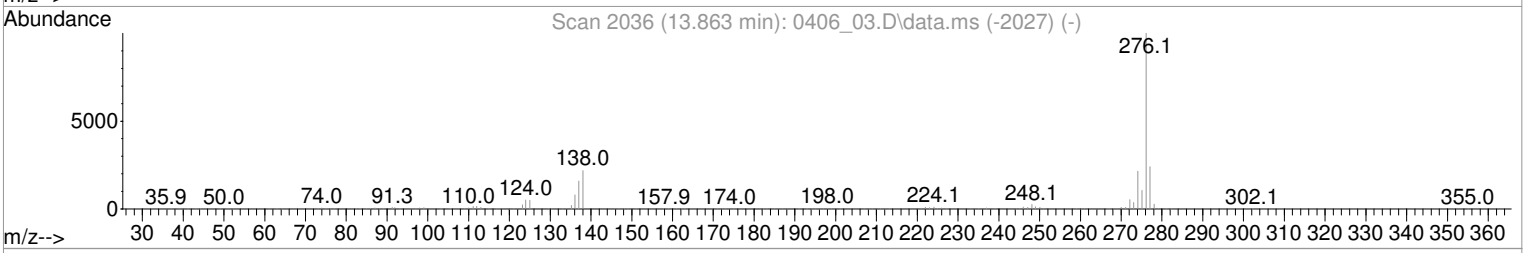
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_03.D
Acq On : 05 May 2022 10:17 am
Operator : 917
Sample : ICV SVMS 10K ppb 22C22891 exp 08/25/22
Misc : SVMS CAL ISTD 22C22755 exp 09/25/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 05 11:35:31 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration







TIC: 0505_03.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

13.804min (-0.059) 9474.5692794 ppb m

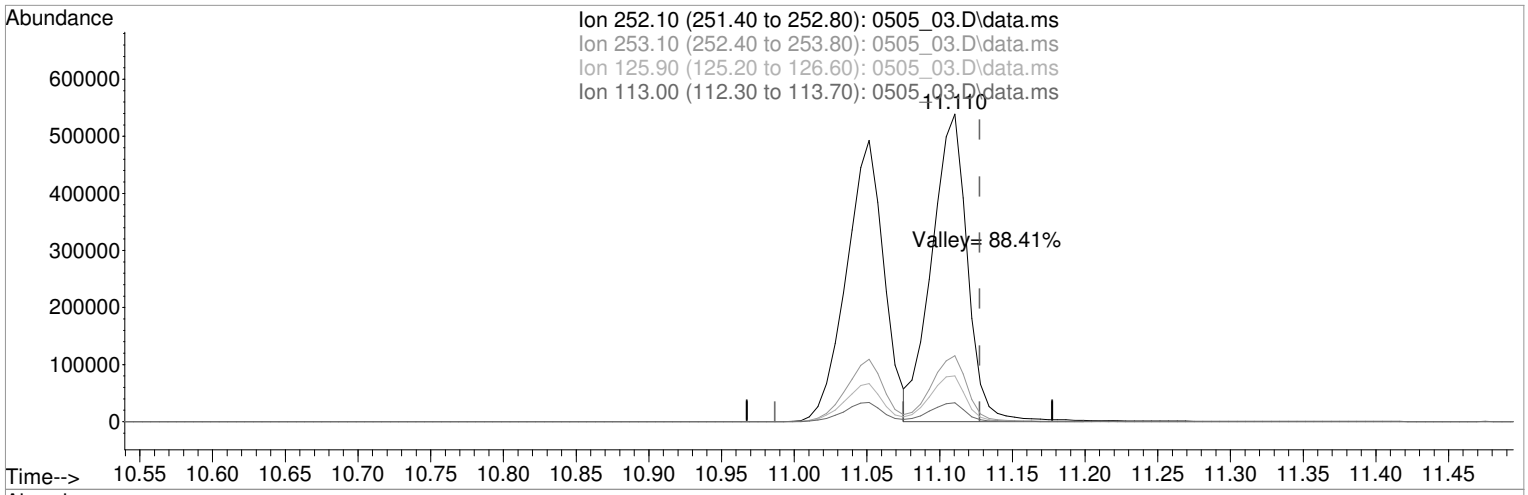
response 724206

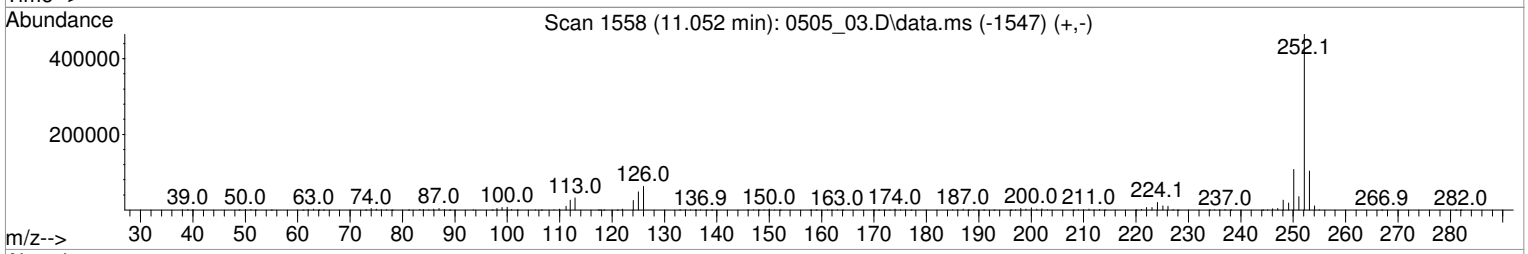
Ion	Exp%	Act%
276.20	100.00	100.00
277.20	24.50	23.67
138.10	24.00	19.13
137.00	17.50	13.78

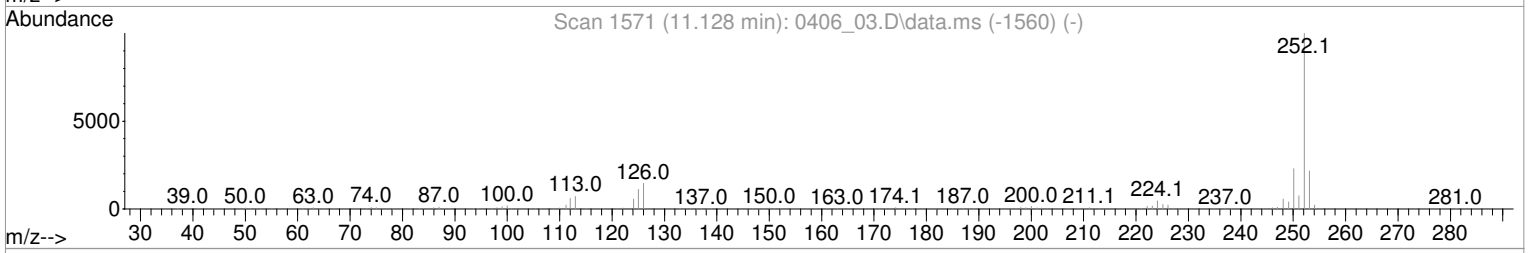
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_03.D
Acq On : 05 May 2022 10:17 am
Operator : 917
Sample : ICV SVMS 10K ppb 22C22891 exp 08/25/22
Misc : SVMS CAL ISTD 22C22755 exp 09/25/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 05 11:35:31 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration







TIC: 0505_03.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.052min (-0.076) 9978.9130289 ppb

Qvalue = 98

response 885866

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.00	22.17
125.90	15.10	13.55
113.00	7.20	6.89

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488626	**Calibration (begin) date/time:**	03/18/22 16:44
Instrument ID:	BNAMS33	**Calibration (end) date/time:**	03/18/22 22:47
Lab File ID:	0505_04-1	**Analysis date/time:**	05/05/22 10:38
Analytical Method:	8270E	**Sample ID:**	ICV

Analyte	Avg. RRF	RRF	Min. RRF	Diff.	Max Diff.	True Value	Result	Result	Limits
				%	*%*	*mg/l*	*mg/l*	*% Rec.*	*%*
BENZOIC ACID	0.151556	0.22594210		49.10		10	14.91	149	

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_04.D
Acq On : 05 May 2022 10:38 am
Operator : 917
Sample : ICV TCL 10K1 ppb 22CD05698 exp 09/10/22
Misc : TCL CAL ISTD 22D02367 exp 10/02/22
ALS Vial : 4 Sample Multiplier: 1

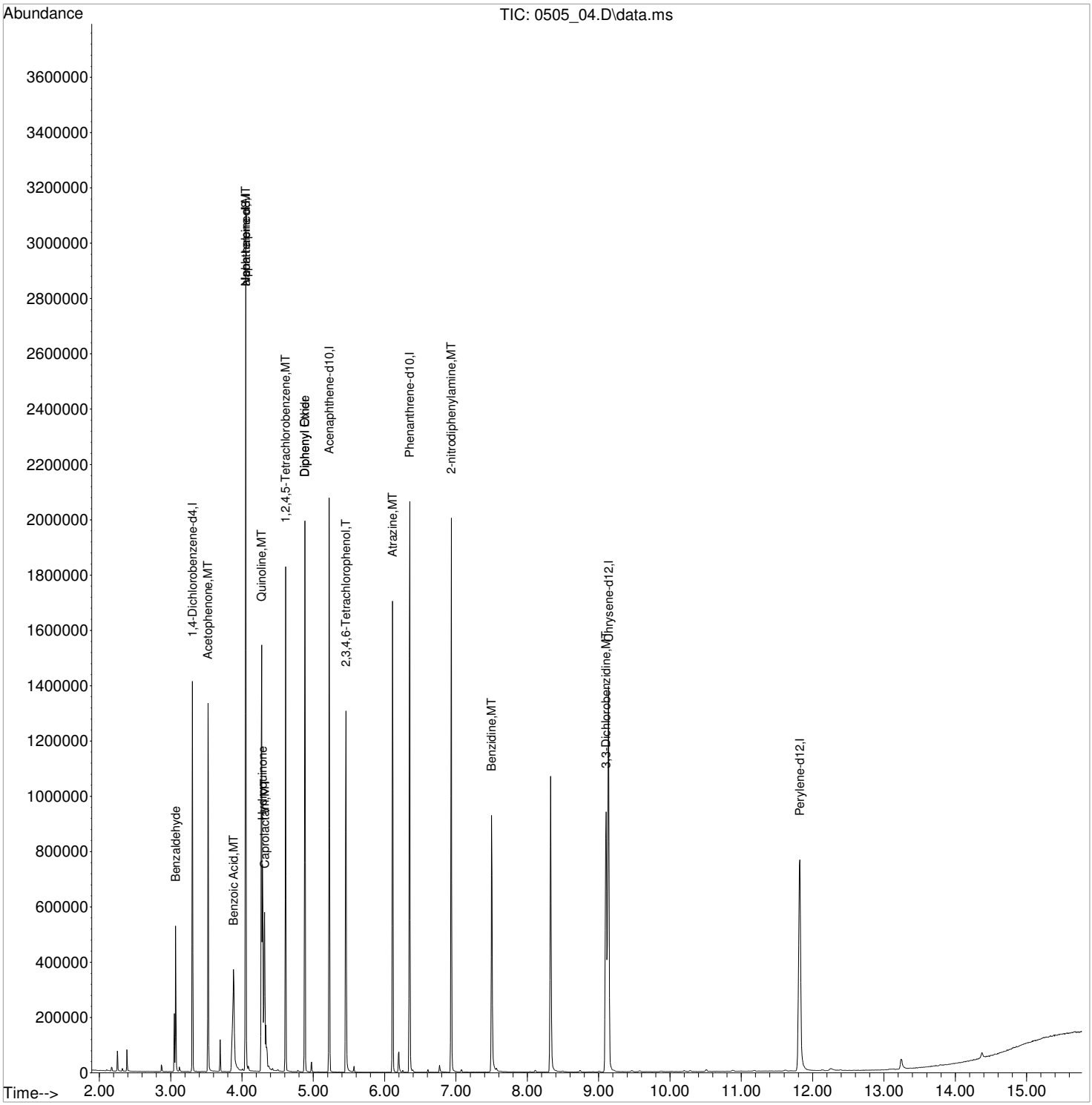
Quant Time: May 05 11:35:40 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.305	152	137005	8000.0000000	ppb	-0.02
23) Naphthalene-d8	4.052	136	608262	8000.0000000	ppb	-0.02
46) Acenaphthene-d10	5.222	164	321083	8000.0000000	ppb	-0.03
70) Phenanthrene-d10	6.352	188	641466	8000.0000000	ppb	-0.04
84) Chrysene-d12	9.140	240	612831	8000.0000000	ppb	-0.06
94) Perylene-d12	11.822	264	564771	8000.0000000	ppb	-0.08
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0	0.0000000	ppb	
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#		
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb	
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#		
87) p-Terphenyl-d14	0.000	244	0	0.0000000	ppb	
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
9) Benzaldehyde	3.069	105	65635	11683.3659826	ppb	96
22) Acetophenone	3.522	105	300710	9939.3590746	ppb	96
31) Benzoic Acid	3.881	105	171790	14908.1597059	ppb	83
33) alpha-terpineol	4.052	59	158269	10200.4521668	ppb	93
37) Hydroquinone	4.287	110	244155m	10879.2316655	ppb	
38) Quinoline	4.275	129	431201	9875.3140486	ppb	99
39) Caprolactam	4.316	113	83434	11398.1847285	ppb	90
43) 1,2,4,5-Tetrachloroben...	4.610	216	222257	10495.4319126	ppb	99
44) Diphenyl Ether	4.881	170	299884	10176.0056954	ug/ml	98
45) Diphenyl Oxide	4.881	170	299884	10176.0056954	ug/ml	98
62) 2,3,4,6-Tetrachlorophenol	5.457	232	136681	11688.3969239	ppb	97
69) Atrazine	6.110	200	162147	10202.1744543	ppb #	100
82) 2-nitrodiphenylamine	6.934	167	209495	9974.5637279	ppb	97
85) Benzidine	7.499	184	381994	8337.6323890	ppb #	100
89) 3,3-Dichlorobenzidine	9.104	252	324533	9411.0109660	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

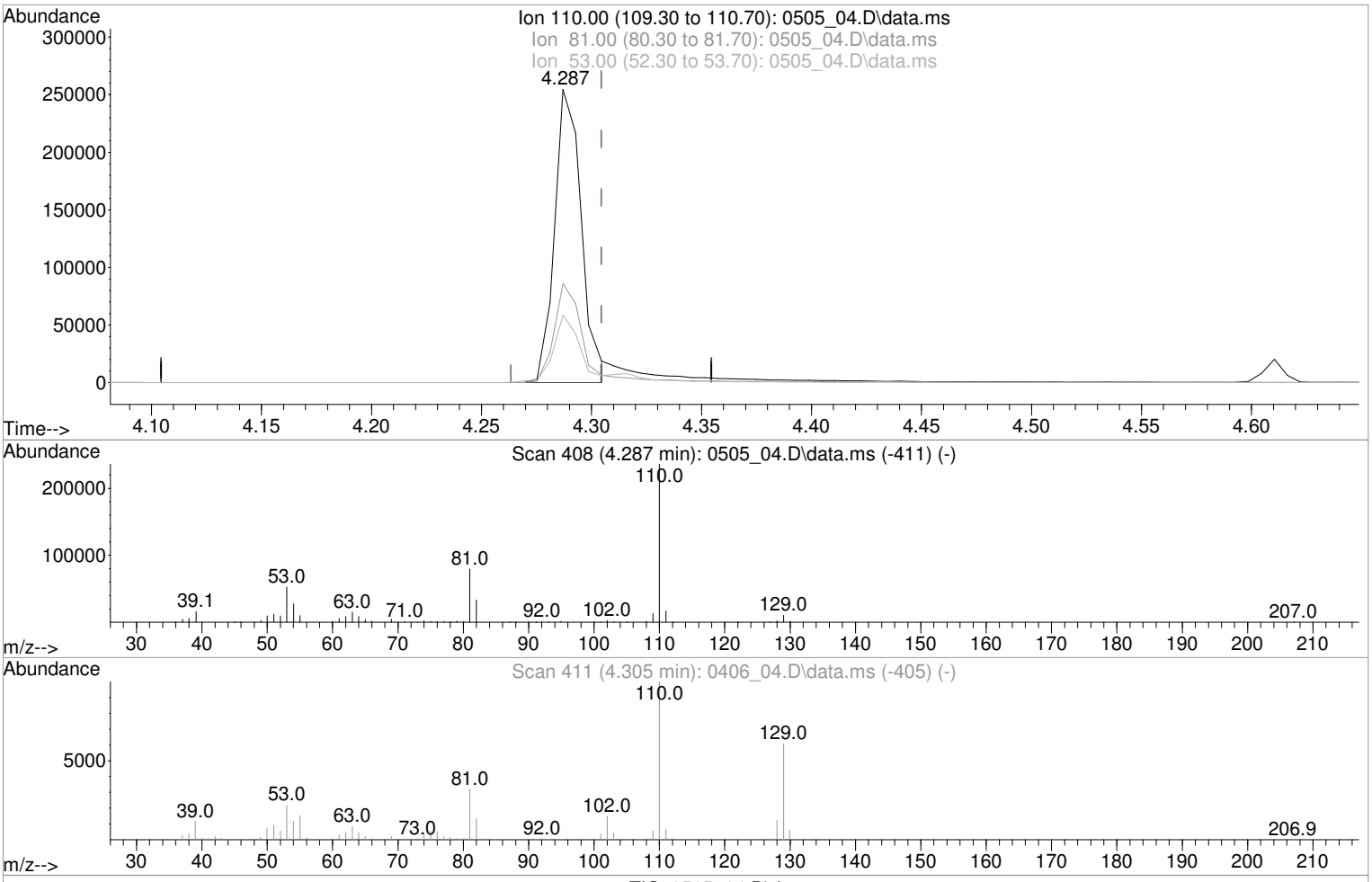
Data Path : C:\GCMS\1\data\050522\
Data File : 0505_04.D
Acq On : 05 May 2022 10:38 am
Operator : 917
Sample : ICV TCL 10K1 ppb 22CD05698 exp 09/10/22
Misc : TCL CAL ISTD 22D02367 exp 10/02/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 05 11:35:40 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration



Data Path : C:\GCMS\1\data\050522\
Data File : 0505_04.D
Acq On : 05 May 2022 10:38 am
Operator : 917
Sample : ICV TCL 10K1 ppb 22CD05698 exp 09/10/22
Misc : TCL CAL ISTD 22D02367 exp 10/02/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 05 11:35:40 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration



TIC: 0505_04.D\data.ms

(37) Hydroquinone

4.287min (-0.018) 9630.4292790 ppb

Qvalue = 93

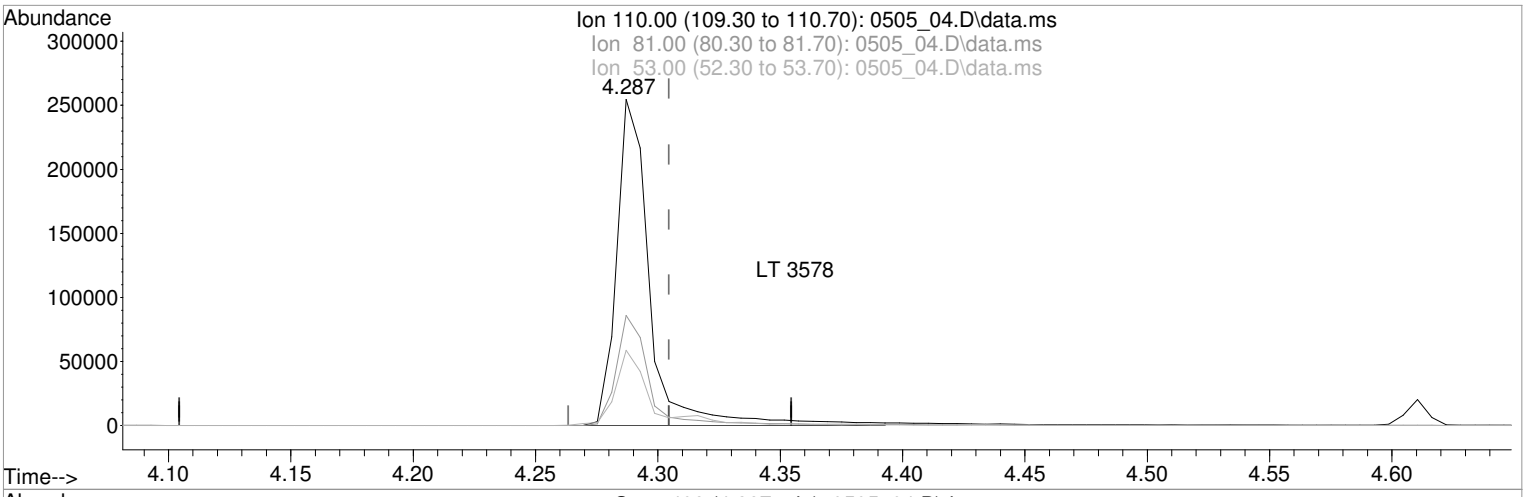
response 216129

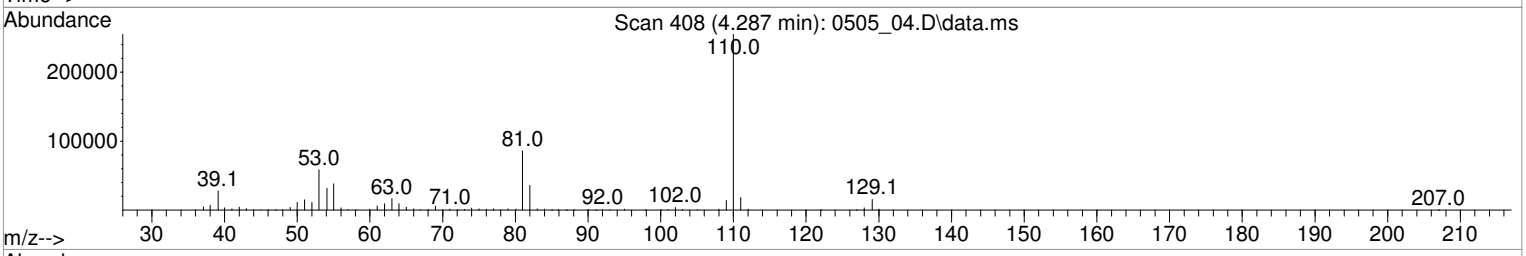
Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	33.75
53.00	19.80	22.96
0.00	0.00	0.00

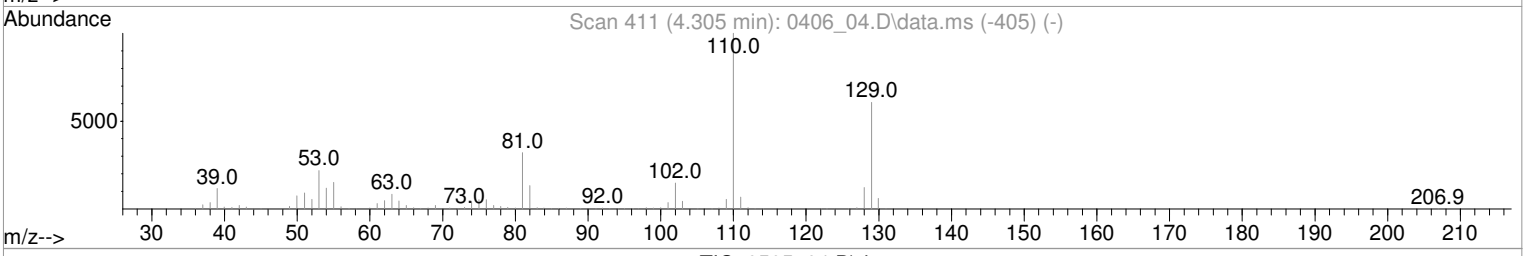
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_04.D
Acq On : 05 May 2022 10:38 am
Operator : 917
Sample : ICV TCL 10K1 ppb 22CD05698 exp 09/10/22
Misc : TCL CAL ISTD 22D02367 exp 10/02/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 05 11:35:40 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration







TIC: 0505_04.D\data.ms

(37) Hydroquinone

4.287min (-0.018) 10879.2316655 ppb m

response 244155

Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	33.75
53.00	19.80	23.05
0.00	0.00	0.00

S833D06V.M Thu May 05 12:18:55 2022 Page: 1

ANALYTICAL SEQUENCE

SDG:	L1488626	**Analytical Method:**	8270E
Instrument ID:	BNAMS20	**Calibration Start Date:**	02/11/22 11:40
		Calibration End Date:	02/11/22 17:52

Client Sample ID	Lab Sample ID	File ID	Analysis Date Time	Dilution	Batch
TUNE	BNAMS200211220211_05-1577303	0211_05-1	02/11/22 10:56		
CAL	200	0211_07	02/11/22 11:40		
CAL	1000	0211_08	02/11/22 12:02		
CAL	2000	0211_09	02/11/22 12:23		
CAL	5000	0211_10	02/11/22 12:45		
CAL	10000	0211_11	02/11/22 13:07		
CAL	20000	0211_12	02/11/22 13:29		
CAL	30000	0211_13	02/11/22 13:51		
CAL	40000	0211_14	02/11/22 14:13		
CAL	50000	0211_15	02/11/22 14:35		
CAL	1K1	0211_16	02/11/22 14:57		
CAL	2K1	0211_17	02/11/22 15:19		
CAL	5K1	0211_18	02/11/22 15:41		
CAL	10K1	0211_19	02/11/22 16:03		
CAL	20K1	0211_20	02/11/22 16:25		
CAL	30K1	0211_21	02/11/22 16:46		
CAL	40K1	0211_22	02/11/22 17:08		
CAL	50K1	0211_23	02/11/22 17:30		
CAL	40	0211_24	02/11/22 17:52		
SSCV	BNAMS200211220211_25-1577303	0211_25-1	02/11/22 18:14		
SSCV	BNAMS200211220211_26-1577303	0211_26-1	02/11/22 18:36		
TUNE	BNAMS20050622A0506A_02T577303	0506A_02T	05/06/22 14:35		
ICV	BNAMS20050622A0506A_04-1577303	0506A_04-1	05/06/22 15:23		
ICV	BNAMS20050622A0506A_05-1577303	0506A_05-1	05/06/22 15:45		
LCS	R3789363-1	0506A_06	05/06/22 16:07	1	WG1859712
BLANK	R3789363-2	0506A_07	05/06/22 16:30	1	WG1859712
L1485547-02	L1485547-02	0506A_11	05/06/22 18:01	1	WG1859712
L1485547-04	L1485547-04	0506A_12	05/06/22 18:24	1	WG1859712
L1485547-06	L1485547-06	0506A_13	05/06/22 18:46	1	WG1859712
L1485828-04	L1485828-04	0506A_14	05/06/22 19:08	1	WG1859712
L1485828-06	L1485828-06	0506A_15	05/06/22 19:31	1	WG1859712
L1485828-08	L1485828-08	0506A_16	05/06/22 19:53	1	WG1859712
OS	L1485828-10	0506A_17	05/06/22 20:16		
L1485828-10	L1485828-10	0506A_17	05/06/22 20:16	1	WG1859712
MS	R3789363-3	0506A_18	05/06/22 20:38	1	WG1859712
MSD	R3789363-4	0506A_19	05/06/22 21:00	1	WG1859712
OS	L1488145-02	0506A_21	05/06/22 21:45		
MS	R3789362-1	0506A_22	05/06/22 22:07	50	WG1858057
MSD	R3789362-2	0506A_23	05/06/22 22:29	50	WG1858057

ANALYTICAL SEQUENCE

SDG:	L1488626	**Analytical Method:**	8270E
Instrument ID:	BNAMS33	**Calibration Start Date:**	03/18/22 16:44
		Calibration End Date:	03/18/22 22:47

Client Sample ID	Lab Sample ID	File ID	Analysis Date Time	Dilution	Batch
TUNE	BNAMS330318220318_005-1573465	0318_005-1	03/18/22 16:22		
CAL	40	0318_006	03/18/22 16:44		
CAL	200	0318_007	03/18/22 17:05		
CAL	1000	0318_008	03/18/22 17:27		
CAL	2000	0318_009	03/18/22 17:48		
CAL	5000	0318_010	03/18/22 18:09		
CAL	10000	0318_011	03/18/22 18:31		
CAL	20000	0318_012	03/18/22 18:52		
CAL	30000	0318_013	03/18/22 19:13		
CAL	40000	0318_014	03/18/22 19:35		
CAL	50000	0318_015	03/18/22 19:56		
CAL	1K1	0318_016	03/18/22 20:17		
CAL	2K1	0318_017	03/18/22 20:39		
CAL	5K1	0318_018	03/18/22 21:00		
CAL	10K1	0318_019	03/18/22 21:22		
CAL	20K1	0318_020	03/18/22 21:43		
CAL	30K1	0318_021	03/18/22 22:04		
CAL	40K1	0318_022	03/18/22 22:26		
CAL	50K1	0318_023	03/18/22 22:47		
SSCV	BNAMS330318220318_024-1573465	0318_024-1	03/18/22 23:08		
SSCV	BNAMS330318220318_029-1573465	0318_029-1	03/23/22 11:21		
TUNE	BNAMS330505220505_02T573465	0505_02T	05/05/22 09:55		
ICV	BNAMS330505220505_03-1573465	0505_03-1	05/05/22 10:17		
ICV	BNAMS330505220505_04-1573465	0505_04-1	05/05/22 10:38		
LCS	R3788956-1	0505_05	05/05/22 12:01	1	WG1858057
BLANK	R3788956-2	0505_06	05/05/22 12:22	1	WG1858057
L1487616-01	L1487616-01	0505_08	05/05/22 13:19	1	WG1858057
L1487616-02	L1487616-02	0505_09	05/05/22 13:41	1	WG1858057
L1487616-04	L1487616-04	0505_10	05/05/22 14:02	1	WG1858057
L1488070-02	L1488070-02	0505_12	05/05/22 14:46	1	WG1858057
L1488631-01	L1488631-01	0505_14	05/05/22 15:31	1	WG1858057
EB02-042822-02	L1488626-01	0505_15	05/05/22 15:53	1	WG1858057
L1488070-01	L1488070-01	0505_16	05/05/22 16:15	5	WG1858057

DETECTION LIMIT SUMMARY

Lab Sample IDs: L1488626-01 **Analytical Method:** 8270E
Matrix: GW **Prep Method:** 3510C

Analyte	CAS	MDL	RDL
		mg/l	*mg/l*
Benzo(b)fluoranthene	205-99-2	0.000130	0.0010
Benzo(k)fluoranthene	207-08-9	0.000120	0.0010
Benzo(g,h,i)perylene	191-24-2	0.000121	0.0010
Benzo(a)pyrene	50-32-8	0.00003810	0.0010
Carbazole	86-74-8	0.000111	0.01
Acenaphthene	83-32-9	0.00008860	0.0010
Chrysene	218-01-9	0.000130	0.0010
Dibenz(a,h)anthracene	53-70-3	0.00006440	0.0010
Dibenzofuran	132-64-9	0.000097	0.01
Acenaphthylene	208-96-8	0.00009210	0.0010
Fluorene	86-73-7	0.00008440	0.0010
Fluoranthene	206-44-0	0.000102	0.0010
Indeno(1,2,3-cd)pyrene	193-39-5	0.000279	0.0010
1-Methylnaphthalene	90-12-0	0.000079	0.0010
2-Methylnaphthalene	91-57-6	0.000117	0.0010
Phenanthrene	85-01-8	0.000112	0.0010
Pyrene	129-00-0	0.000107	0.0010
Naphthalene	91-20-3	0.000159	0.0010
Bis(2-ethylhexyl)phthalate	117-81-7	0.000895	0.0030
Di-n-butyl phthalate	84-74-2	0.000453	0.0030
Di-n-octyl phthalate	117-84-0	0.000932	0.0030
Anthracene	120-12-7	0.00008040	0.0010
3&4-Methyl Phenol	3&4-Methyl Phenol	0.000168	0.01
Pentachlorophenol	87-86-5	0.000313	0.01
Phenol	108-95-2	0.004330	0.01
Benzoic Acid	65-85-0	0.0017	0.05
Benzo(a)anthracene	56-55-3	0.000199	0.0010

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3788956-2	**SDG:**	L1488626
Client Sample ID:	BLANK	**Collected Date/Time:**	_____
Lab File ID:	0505_06	**Received Date/Time:**	_____
Instrument ID:	BNAMS33	**Preparation Date/Time:**	05/05/22 04:51
Analytical Batch:	WG1858057	**Analysis Date/Time:**	05/05/22 12:22
Dilution Factor:	1	**Prep Method:**	3510C
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	100 mL
Total Solids (%):	_____	**Final Wt/Vol:**	0.5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acenaphthene	83-32-9	0	U		0.0886	1.00
Acenaphthylene	208-96-8	0	U		0.0921	1.00
Anthracene	120-12-7	6.37	U		0.0804	1.00
Benzoic Acid	65-85-0	4.05	U		1.70	50.0
Benzo(a)anthracene	56-55-3	9.14	U		0.199	1.00
Benzo(b)fluoranthene	205-99-2	11.05	U		0.130	1.00
Benzo(k)fluoranthene	207-08-9	11.10	U		0.120	1.00
Benzo(g,h,i)perylene	191-24-2	0	U		0.121	1.00
Benzo(a)pyrene	50-32-8	0	U		0.0381	1.00
Carbazole	86-74-8	0	U		0.111	10.0
Chrysene	218-01-9	9.18	U		0.130	1.00
Dibenz(a,h)anthracene	53-70-3	0	U		0.0644	1.00
Dibenzofuran	132-64-9	0	U		0.0970	10.0
Fluorene	86-73-7	0	U		0.0844	1.00
Fluoranthene	206-44-0	7.38	U		0.102	1.00
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.279	1.00
1-Methylnaphthalene	90-12-0	0	U		0.0790	1.00
2-Methylnaphthalene	91-57-6	0	U		0.117	1.00
Phenanthrene	85-01-8	6.37	U		0.112	1.00
Pyrene	129-00-0	7.60	U		0.107	1.00
Naphthalene	91-20-3	4.06	U		0.159	1.00
Bis(2-ethylhexyl)phthalate	117-81-7	9.22	U		0.895	3.00
Di-n-butyl phthalate	84-74-2	6.80	U		0.453	3.00
Di-n-octyl phthalate	117-84-0	10.50	U		0.932	3.00
3&4-Methyl Phenol	3&4-Methyl Phenol	3.42	U		0.168	10.0
Pentachlorophenol	87-86-5	0	U		0.313	10.0
Phenol	108-95-2	3.09	U		4.33	10.0

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_06.D
Acq On : 05 May 2022 12:22 pm
Operator : 917
Sample : BLANK 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 52 Sample Multiplier: 1

Quant Time: May 06 12:57:57 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration

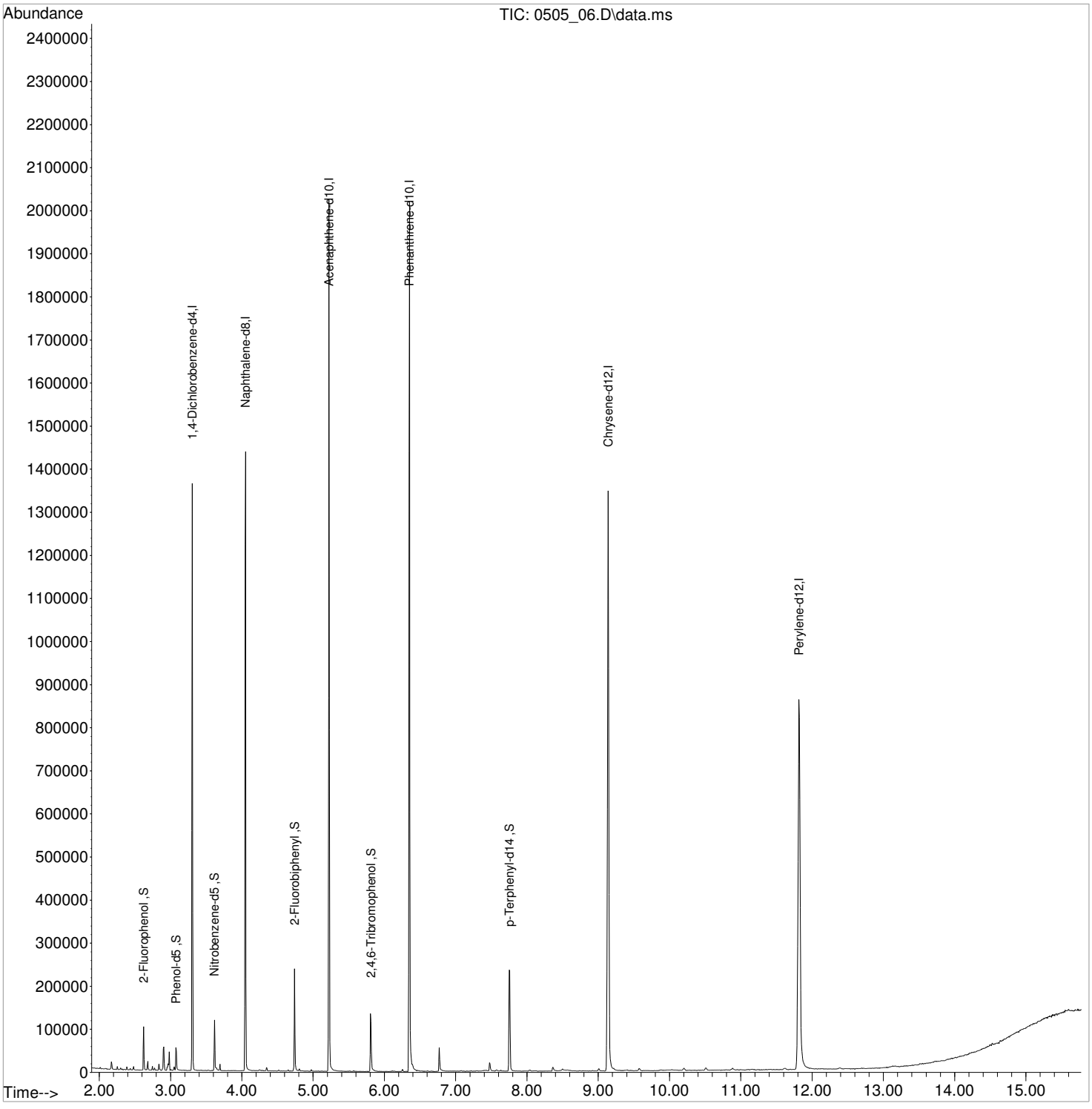
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.305	152	135364	8000.0000000	ppb	-0.02
23) Naphthalene-d8	4.052	136	517699	8000.0000000	ppb	-0.02
46) Acenaphthene-d10	5.222	164	317368	8000.0000000	ppb	-0.03
70) Phenanthrene-d10	6.352	188	653281	8000.0000000	ppb	-0.04
84) Chrysene-d12	9.140	240	626723	8000.0000000	ppb	-0.06
94) Perylene-d12	11.816	264	620965	8000.0000000	ppb	-0.08
System Monitoring Compounds						
4) 2-Fluorophenol	2.623	112	19653	968.9201965	ppb	-0.02
Spiked Amount 4000.000	Range 10 - 120		Recovery = 24.22%			
7) Phenol-d5	3.075	99	17118	663.1372453	ppb	-0.02
Spiked Amount 4000.000	Range 10 - 120		Recovery = 16.58%			
24) Nitrobenzene-d5	3.617	82	27217	1271.5630914	ppb	-0.02
Spiked Amount 2000.000	Range 10 - 126		Recovery = 63.58%			
50) 2-Fluorobiphenyl	4.740	172	59151	1113.2428291	ppb	-0.03
Spiked Amount 2000.000	Range 22 - 127		Recovery = 55.66%			
73) 2,4,6-Tribromophenol	5.811	330	17034	2008.7400199	ppb	-0.03
Spiked Amount 4000.000	Range 10 - 153		Recovery = 50.22%			
87) p-Terphenyl-d14	7.758	244	95811	1177.6867060	ppb	-0.05
Spiked Amount 2000.000	Range 29 - 141		Recovery = 58.88%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_06.D
Acq On : 05 May 2022 12:22 pm
Operator : 917
Sample : BLANK 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 52 Sample Multiplier: 1

Quant Time: May 06 12:57:57 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration



SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3788956-1	**SDG:**	L1488626
Client Sample ID:	LCS	**Collected Date/Time:**	_____
Lab File ID:	0505_05	**Received Date/Time:**	_____
Instrument ID:	BNAMS33	**Preparation Date/Time:**	05/05/22 04:51
Analytical Batch:	WG1858057	**Analysis Date/Time:**	05/05/22 12:01
Dilution Factor:	1	**Prep Method:**	3510C
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	100 mL
Total Solids (%):	_____	**Final Wt/Vol:**	0.5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acenaphthene	83-32-9	5.25	29.0		0.0886	1.00
Acenaphthylene	208-96-8	5.13	31.1		0.0921	1.00
Anthracene	120-12-7	6.42	30.3		0.0804	1.00
Benzoic Acid	65-85-0	3.86	10.8		0.000	50.0
Benzo(a)anthracene	56-55-3	9.14	33.2		0.199	1.00
Benzo(b)fluoranthene	205-99-2	11.07	33.0		0.130	1.00
Benzo(k)fluoranthene	207-08-9	11.12	34.2		0.120	1.00
Benzo(g,h,i)perylene	191-24-2	14.16	32.8		0.121	1.00
Benzo(a)pyrene	50-32-8	11.72	33.7		0.0381	1.00
Carbazole	86-74-8	6.55	31.4		0.111	10.0
Chrysene	218-01-9	9.20	32.9		0.130	1.00
Dibenz(a,h)anthracene	53-70-3	13.86	32.4		0.0644	1.00
Dibenzofuran	132-64-9	5.37	30.7		0.0970	10.0
Fluorene	86-73-7	5.63	30.9		0.0844	1.00
Fluoranthene	206-44-0	7.38	32.8		0.102	1.00
Indeno(1,2,3-cd)pyrene	193-39-5	13.82	31.1		0.279	1.00
1-Methylnaphthalene	90-12-0	4.57	26.4		0.0790	1.00
2-Methylnaphthalene	91-57-6	4.50	25.6		0.117	1.00
Phenanthrene	85-01-8	6.38	30.0		0.112	1.00
Pyrene	129-00-0	7.61	30.8		0.107	1.00
Naphthalene	91-20-3	4.07	25.1		0.159	1.00
Bis(2-ethylhexyl)phthalate	117-81-7	9.23	29.2		0.895	3.00
Di-n-butyl phthalate	84-74-2	6.81	30.5		0.453	3.00
Di-n-octyl phthalate	117-84-0	10.45	29.4		0.932	3.00
3&4-Methyl Phenol	3&4-Methyl Phenol	3.51	22.8		0.168	10.0
Pentachlorophenol	87-86-5	6.20	35.2		0.313	10.0
Phenol	108-95-2	3.09	9.32		0.000	10.0

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_05.D
Acq On : 05 May 2022 12:01 pm
Operator : 917
Sample : LCS 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 51 Sample Multiplier: 1

Quant Time: May 06 12:57:51 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.304	152	147461	8000.0000000	ppb	-0.02
23) Naphthalene-d8	4.051	136	632346	8000.0000000	ppb	-0.02
46) Acenaphthene-d10	5.228	164	357847	8000.0000000	ppb	-0.02
70) Phenanthrene-d10	6.357	188	719924	8000.0000000	ppb	-0.03
84) Chrysene-d12	9.157	240	695830	8000.0000000	ppb	-0.04
94) Perylene-d12	11.839	264	671925	8000.0000000	ppb	-0.06
System Monitoring Compounds						
4) 2-Fluorophenol	2.622	112	23214	1050.5945392	ppb	-0.02
Spiked Amount 4000.000	Range 10 - 120		Recovery = 26.26%			
7) Phenol-d5	3.081	99	18437	655.6418379	ppb	-0.01
Spiked Amount 4000.000	Range 10 - 120		Recovery = 16.39%			
24) Nitrobenzene-d5	3.616	82	27740	1061.0275663	ppb	-0.02
Spiked Amount 2000.000	Range 10 - 126		Recovery = 53.05%			
50) 2-Fluorobiphenyl	4.745	172	61875	1032.7822884	ppb	-0.02
Spiked Amount 2000.000	Range 22 - 127		Recovery = 51.64%			
73) 2,4,6-Tribromophenol	5.816	330	22694	2428.4631357	ppb	-0.02
Spiked Amount 4000.000	Range 10 - 153		Recovery = 60.71%			
87) p-Terphenyl-d14	7.763	244	98230	1087.5044126	ppb	-0.04
Spiked Amount 2000.000	Range 29 - 141		Recovery = 54.38%			
Target Compounds						Qvalue
2) Pyridine	2.069	79	39887	1760.5276250	ppb	96
3) N-Nitrosodimethylamine	2.040	42	38660	3930.6898429	ppb	93
5) Aniline	3.122	66	48535	4269.2224853	ppb	89
6) bis(2-Chloroethyl)ether	3.146	93	135074	6059.8009487	ppb	99
8) Phenol	3.087	94	52698	1863.4474160	ppb	98
9) Benzaldehyde	3.069	105	111182	18387.6494694	ppb	97
10) 2-Chlorophenol	3.193	128	120940	4853.2797462	ppb	98
11) n-Decane	3.187	41	56030	5560.5351661	ppb	100
12) 1,3-Dichlorobenzene	3.275	146	145786	5371.8027716	ppb	98
13) 1,4-Dichlorobenzene	3.316	146	151012	5403.8481212	ppb	97
14) Benzyl Alcohol	3.369	79	97496	5181.0772349	ppb	100
15) 1,2-Dichlorobenzene	3.404	146	145504	5559.7598878	ppb	98
16) bis(2-Chloroisopropyl)...	3.446	121	45668	5425.0708678	ppb	95
17) 2,2-oxybis(1-chloropro...	3.446	121	45668	5425.0708678	ppb	95
18) 2-Methylphenol	3.422	108	94516	4408.4734644	ppb	95
19) Hexachloroethane	3.598	117	58877	5434.0181545	ppb	90
20) N-Nitrosodi-n-propylamine	3.516	70	109636	6830.3251747	ppb	95
21) 3&4-Methyl phenol	3.510	107	111673	4564.4548707	ppb	91
22) Acetophenone	3.528	105	202724	6225.5097684	ppb #	83
25) Nitrobenzene	3.628	77	150629	5805.8455670	ppb	96
26) Isophorone	3.763	82	298971	6015.8136902	ppb	96
27) 2-Nitrophenol	3.816	139	79019	5867.8446699	ppb	92
28) 2,4-Dimethylphenol	3.822	107	145278	5322.6683836	ppb	92
29) bis(2-Chlorethoxy)methane	3.881	93	177078	5757.2338749	ppb	99
30) 2,4-Dichlorophenol	3.957	162	122362	5399.5398614	ppb	94
31) Benzoic Acid	3.857	105	25808	2154.3507727	ppb	90
32) 1,2,4-Trichlorobenzene	4.010	180	128282	4979.4664064	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_05.D
Acq On : 05 May 2022 12:01 pm
Operator : 917
Sample : LCS 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 51 Sample Multiplier: 1

Quant Time: May 06 12:57:51 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
33) alpha-terpineol	4.057	59	106537	6604.8040627	ppb		98
34) Naphthalene	4.069	128	405320	5027.0508899	ppb		99
35) 4-Chloroaniline	4.093	65	52000	6077.8760704	ppb	#	51
36) Hexachloro-1,3-butadiene	4.134	225	75415	5025.3188110	ppb		100
37) Hydroquinone	4.287	110	2531m	108.4827429	ppb		
38) Quinoline	4.275	129	276410	6089.2081106	ppb		97
39) Caprolactam	4.310	113	11467	1506.8788890	ppb		89
40) 4-Chloro-3-methylphenol	4.387	107	128303	5766.9921046	ppb		98
41) 2-Methylnaphthalene	4.504	142	279226	5119.8228654	ppb		97
42) 1-Methylnaphthalene	4.575	142	271440	5281.9442395	ppb		99
43) 1,2,4,5-Tetrachloroben...	4.616	216	137490	6245.2796430	ppb		99
44) Diphenyl Ether	4.887	170	204755	6683.3541048	ug/ml		95
45) Diphenyl Oxide	4.887	170	204755	6683.3541048	ug/ml		95
47) Hexachlorocyclopentadiene	4.604	237	43556	2383.7018407	ppb		97
48) 2,4,6-Trichlorophenol	4.687	196	103743	6573.4304384	ppb		98
49) 2,4,5-Trichlorophenol	4.716	196	110655	6542.2598950	ppb		97
51) Biphenyl	4.816	154	367420	5576.2990263	ppb		99
52) 2-Chloronaphthalene	4.834	162	289001	5717.6849712	ppb		99
53) 2-Nitroaniline	4.904	138	112679	6854.5846186	ppb	#	80
54) Acenaphthylene	5.128	152	486899	6224.3230756	ppb		100
55) Dimethyl phthalate	5.016	163	373185	6366.4175591	ppb		96
56) 2,6-Dinitrotoluene	5.069	165	88641	6933.4754062	ppb		95
57) 3-Nitroaniline	5.193	138	96390	6785.7886779	ppb		99
58) Acenaphthene	5.251	153	306803	5800.9738719	ppb		97
59) 2,4-Dinitrophenol	5.263	184	54715	8786.9539910	ppb	#	8
60) Dibenzofuran	5.375	168	449913	6143.4607090	ppb		99
61) 2,4-Dinitrotoluene	5.357	165	122331	7334.1110201	ppb		86
62) 2,3,4,6-Tetrachlorophenol	5.463	232	91541	7023.9657876	ppb		98
63) 4-Nitrophenol	5.304	139	21719	1936.8861671	ppb		91
64) Fluorene	5.634	166	381466	6175.2203230	ppb		99
65) 4-Chlorophenyl-phenyle...	5.622	204	185838	6190.1674493	ppb		94
66) Diethyl phthalate	5.528	149	369352	6349.3188962	ppb		100
67) 4-Nitroaniline	5.645	138	109754	7191.5836072	ppb		94
68) Azobenzene	5.745	77	393759	6870.9762171	ppb		98
69) Atrazine	6.122	200	119263	6733.0135538	ppb	#	100
71) 4,6-Dinitro-2-methylph...	5.663	198	81459	8806.4638993	ppb		97
72) N-Nitrosodiphenylamine	5.710	169	325140	5850.9346448	ppb		98
74) 4-Bromophenyl-phenylether	5.998	248	111429	5961.4403233	ppb		95
75) Hexachlorobenzene	6.051	284	123915	5998.4793548	ppb		98
76) n-octadecane	6.245	55	47006	5961.0253005	ppb		99
77) Pentachlorophenol	6.204	266	84294	7033.3899098	ppb		96
78) Phenanthrene	6.381	178	579571	5997.5270558	ppb		99
79) Anthracene	6.416	178	579357	6064.6245005	ppb		100
80) Carbazole	6.545	167	556774	6276.2062169	ppb		100
81) Di-n-butyl phthalate	6.810	149	641871	6107.6333025	ppb		99
82) 2-nitrodiphenylamine	6.939	167	145517	6449.2187655	ppb		96
83) Fluoranthene	7.381	202	671348	6567.4727822	ppb		99
85) Benzidine	7.510	184	133083	3098.9062986	ppb	#	100
86) Pyrene	7.610	202	695008	6157.9047046	ppb		99
88) Benzylbutyl phthalate	8.357	149	289788	5981.7910591	ppb		94

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_05.D
Acq On : 05 May 2022 12:01 pm
Operator : 917
Sample : LCS 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 51 Sample Multiplier: 1

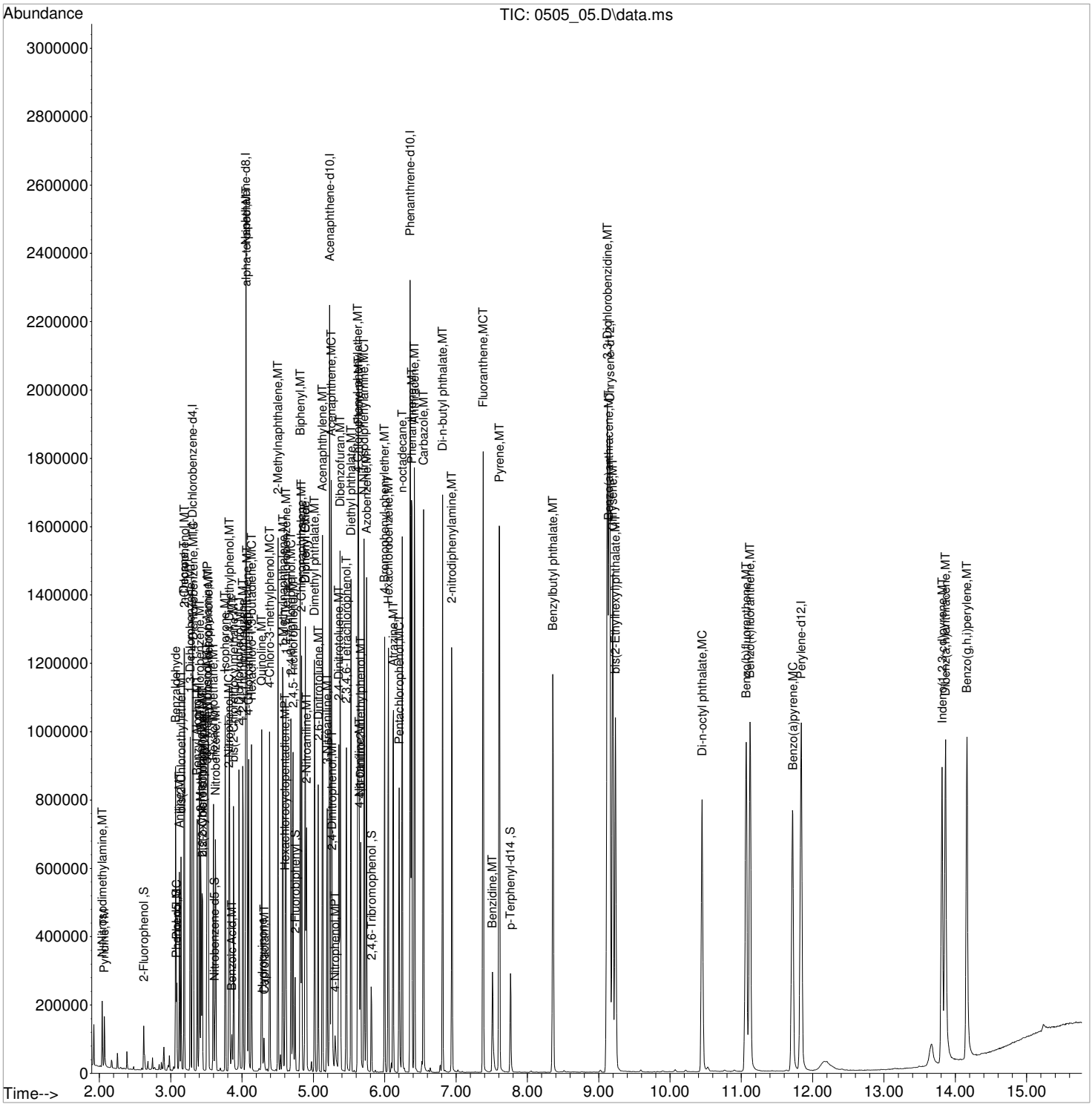
Quant Time: May 06 12:57:51 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
89) 3,3-Dichlorobenzidine	9.122	252	513080	13103.8851508 ppb	98
90) Benzo(a)anthracene	9.139	228	705077	6647.6360259 ppb	98
91) Chrysene	9.198	228	673454	6582.7017075 ppb	99
92) bis(2-Ethylhexyl)phtha...	9.233	149	404959	5847.8420204 ppb	99
93) Di-n-octyl phthalate	10.451	149	652968	5877.4836205 ppb	100
95) Benzo(b)fluoranthene	11.069	252	645254	6607.2151607 ppb	98
96) Benzo(k)fluoranthene	11.122	252	669630	6829.5568784 ppb	97
97) Benzo(a)pyrene	11.722	252	573331	6746.8630542 ppb	97
98) Indeno(1,2,3-cd)pyrene	13.816	276	523213m	6222.2638556 ppb	
99) Dibenz(a,h)anthracene	13.863	278	582253	6484.4240351 ppb	98
100) Benzo(g,h,i)perylene	14.163	276	583804	6560.1265799 ppb	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_05.D
Acq On : 05 May 2022 12:01 pm
Operator : 917
Sample : LCS 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 51 Sample Multiplier: 1

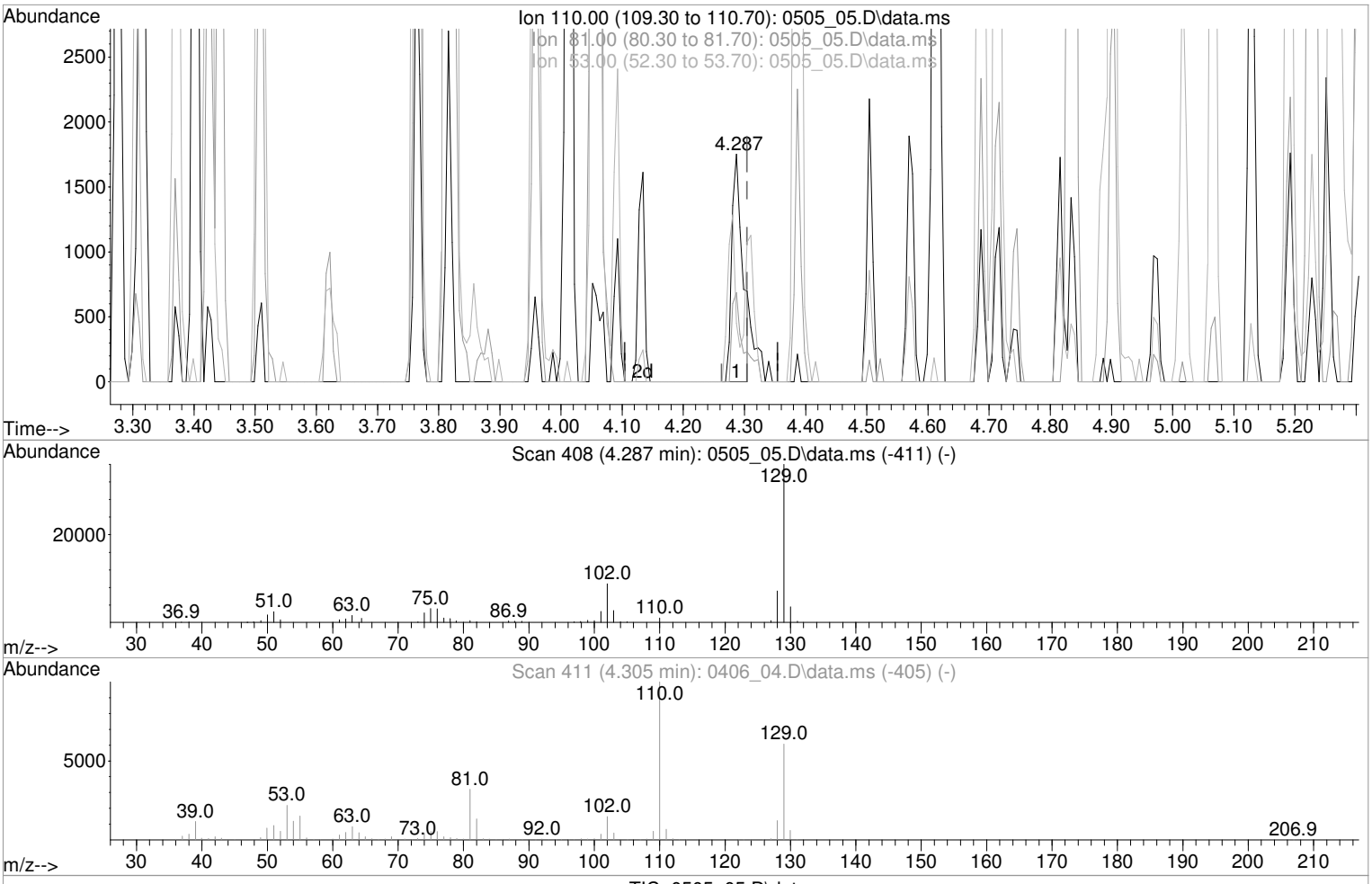
Quant Time: May 06 12:57:51 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_05.D
Acq On : 05 May 2022 12:01 pm
Operator : 917
Sample : LCS 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 51 Sample Multiplier: 1

Quant Time: May 06 12:57:51 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration



TIC: 0505_05.D\data.ms

(37) Hydroquinone

4.287min (-0.018) 90.9094815 ppb

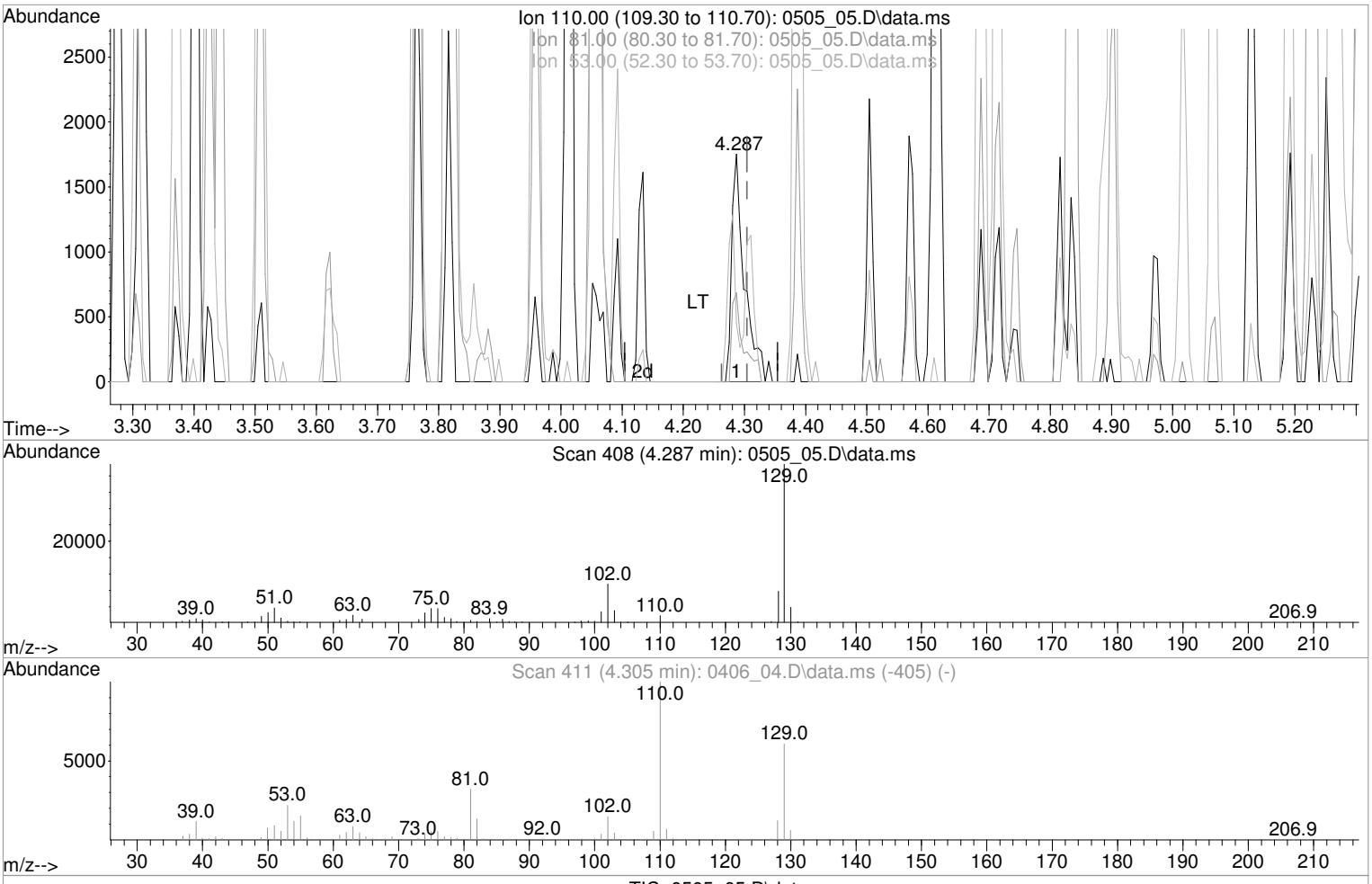
Qvalue = 85

response 2121

Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	39.21
53.00	19.80	25.68
0.00	0.00	0.00

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_05.D
Acq On : 05 May 2022 12:01 pm
Operator : 917
Sample : LCS 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 51 Sample Multiplier: 1

Quant Time: May 06 12:57:51 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration



TIC: 0505_05.D\data.ms

(37) Hydroquinone

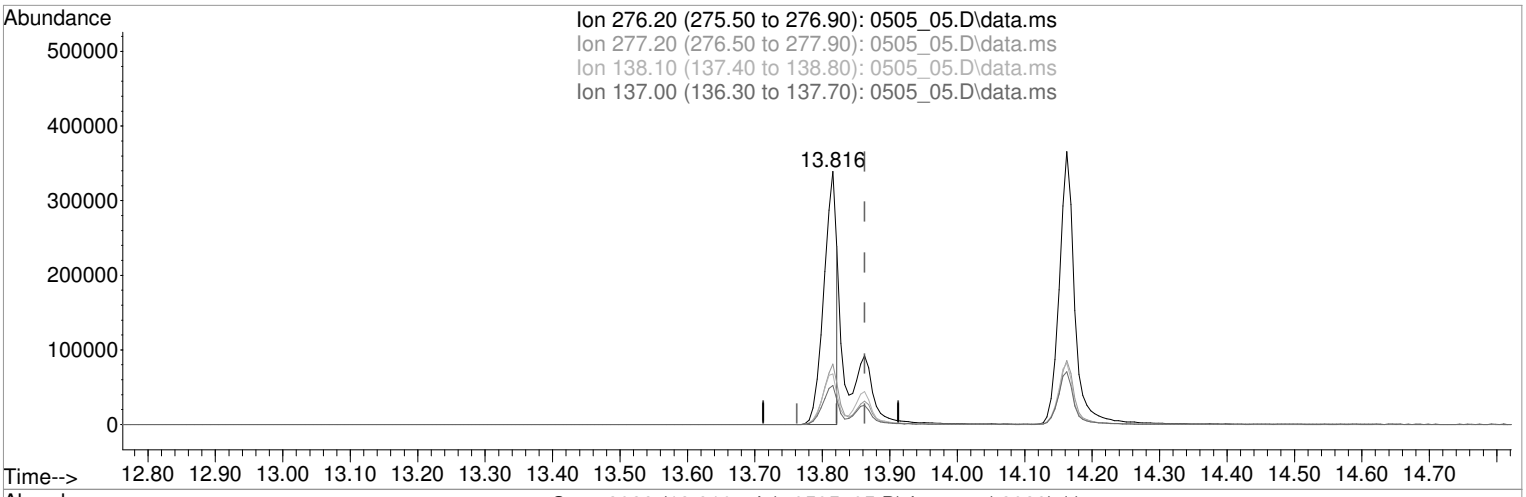
4.287min (-0.018) 108.4827429 ppb m

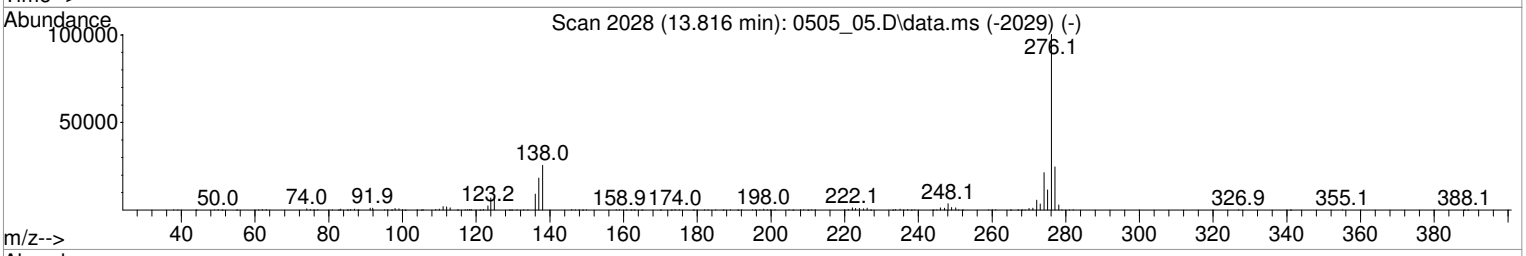
response	2531	
Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	39.21
53.00	19.80	25.68
0.00	0.00	0.00

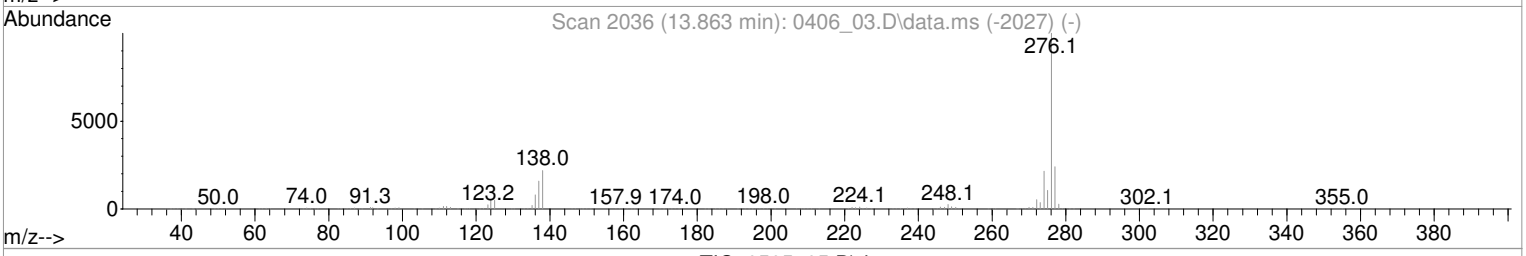
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_05.D
Acq On : 05 May 2022 12:01 pm
Operator : 917
Sample : LCS 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 51 Sample Multiplier: 1

Quant Time: May 06 12:57:51 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration







TIC: 0505_05.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

13.816min (-0.047) 5376.3804706 ppb

Qvalue = 95

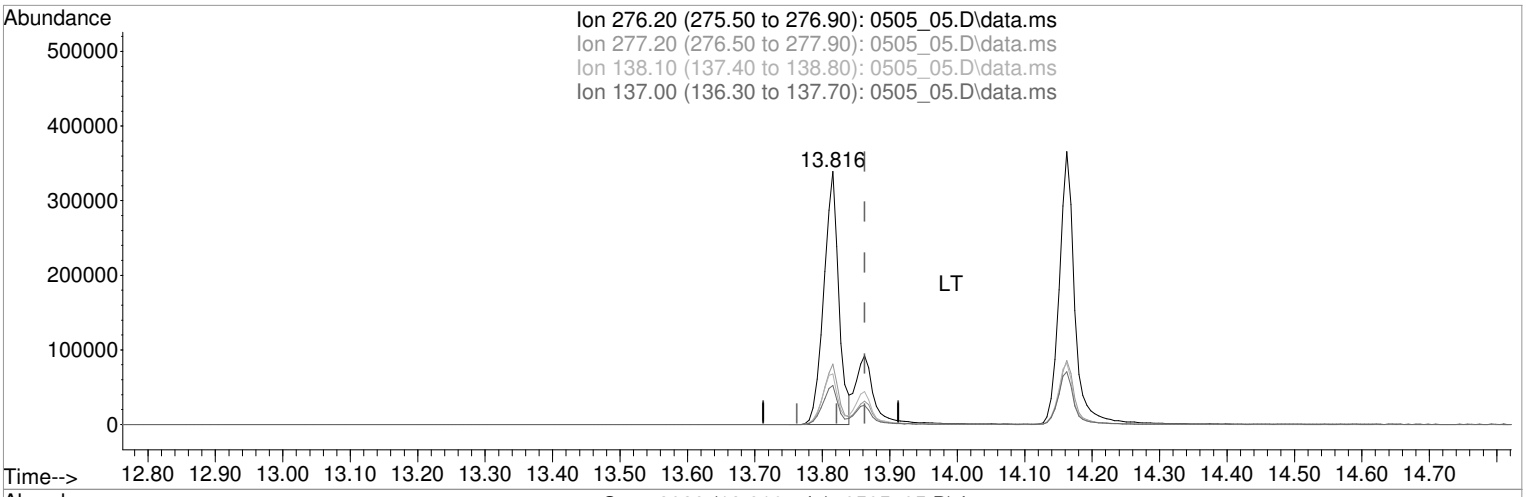
response 452085

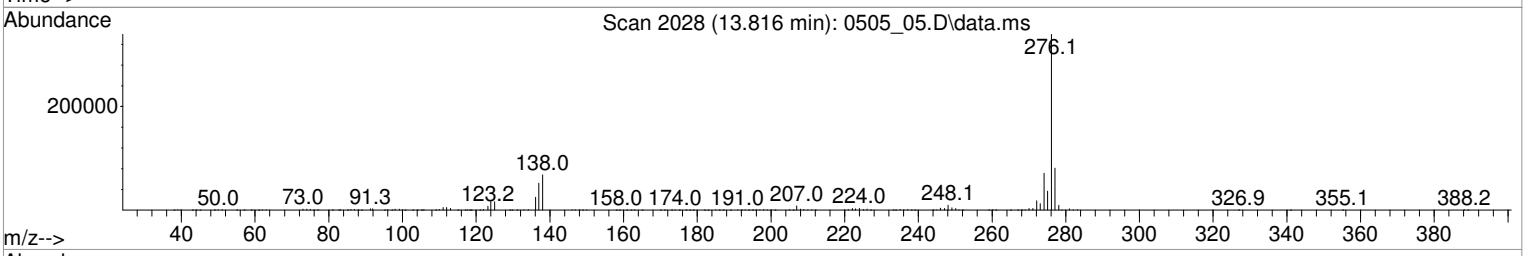
Ion	Exp%	Act%
276.20	100.00	100.00
277.20	24.50	23.91
138.10	24.00	20.00
137.00	17.50	15.39

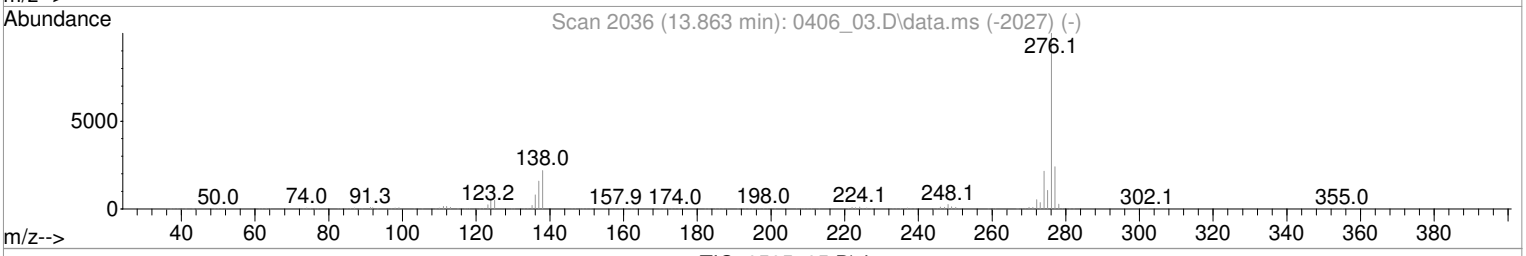
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_05.D
Acq On : 05 May 2022 12:01 pm
Operator : 917
Sample : LCS 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 51 Sample Multiplier: 1

Quant Time: May 06 12:57:51 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration







TIC: 0505_05.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

13.816min (-0.047) 6222.2638556 ppb m

response 523213

Ion	Exp%	Act%
276.20	100.00	100.00
277.20	24.50	23.91
138.10	24.00	20.00
137.00	17.50	15.39

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3789362-1	**SDG:**	L1488626
Client Sample ID:	MS	**Collected Date/Time:**	04/28/22 14:10
Lab File ID:	0506A_22	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	BNAMS20	**Preparation Date/Time:**	05/05/22 04:53
Analytical Batch:	WG1858057	**Analysis Date/Time:**	05/06/22 22:07
Dilution Factor:	50	**Prep Method:**	3510C
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	100 mL
Total Solids (%):	_____	**Final Wt/Vol:**	0.5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acenaphthene	83-32-9	5.26	45.6		4.43	50.0
Acenaphthylene	208-96-8	5.14	48.1		4.61	50.0
Anthracene	120-12-7	6.42	46.7		4.02	50.0
Benzoic Acid	65-85-0	3.92	146		85.0	2500
Benzo(a)anthracene	56-55-3	9.10	44.8		9.95	50.0
Benzo(b)fluoranthene	205-99-2	11	43.1		6.50	50.0
Benzo(k)fluoranthene	207-08-9	11.05	45.4		6.00	50.0
Benzo(g,h,i)perylene	191-24-2	14.09	40.1		6.05	50.0
Benzo(a)pyrene	50-32-8	11.64	46.6		1.91	50.0
Carbazole	86-74-8	6.54	45.2		5.55	500
Chrysene	218-01-9	9.15	43.1		6.50	50.0
Dibenz(a,h)anthracene	53-70-3	13.78	31.4		3.22	50.0
Dibenzofuran	132-64-9	5.39	47.4		4.85	500
Fluorene	86-73-7	5.64	44.3		4.22	50.0
Fluoranthene	206-44-0	7.36	48.6		5.10	50.0
Indeno(1,2,3-cd)pyrene	193-39-5	13.73	40.7		14.0	50.0
1-Methylnaphthalene	90-12-0	4.59	45.4		3.95	50.0
2-Methylnaphthalene	91-57-6	4.53	44.1		5.85	50.0
Phenanthrene	85-01-8	6.37	47.1		5.60	50.0
Pyrene	129-00-0	7.59	51.1		5.35	50.0
Naphthalene	91-20-3	4.09	44.4		7.95	50.0
Bis(2-ethylhexyl)phthalate	117-81-7	9.17	U	J6	44.8	150
Di-n-butyl phthalate	84-74-2	6.80	48.9		22.7	150
Di-n-octyl phthalate	117-84-0	10.36	75.6	J5	46.6	150
3&4-Methyl Phenol	3&4-Methyl Phenol	3.56	205		8.40	500
Pentachlorophenol	87-86-5	6.22	53.9		15.7	500
Phenol	108-95-2	3.15	2010	V	217	500

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 10 09:53:45 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.340	152	380735	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.081	136	1569673	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.239	164	904271	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.357	188	1635077	8000.0000000	ppb		0.00
84) Chrysene-d12	9.116	240	1278638	8000.0000000	ppb		0.00
94) Perylene-d12	11.768	264	1131728	8000.0000000	ppb		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	2.687	112	1612	29.7054390	ppb		-0.01
Spiked Amount 4000.000	Range 10 - 120		Recovery = 0.74%#				
7) Phenol-d5	3.146	99	1444	20.8918383	ppb		-0.02
Spiked Amount 4000.000	Range 10 - 120		Recovery = 0.52%#				
24) Nitrobenzene-d5	3.645	82	1493m	22.4855487	ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 1.12%#				
50) 2-Fluorobiphenyl	4.763	172	4251	32.2138978	ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 1.61%#				
73) 2,4,6-Tribromophenol	5.822	330	1237	74.1084268	ppb		-0.01
Spiked Amount 4000.000	Range 10 - 153		Recovery = 1.85%#				
87) p-Terphenyl-d14	7.739	244	5798	38.3894986	ppb		-0.01
Spiked Amount 2000.000	Range 29 - 141		Recovery = 1.92%#				
Target Compounds							Qvalue
5) Aniline	3.151	66	183687	5505.7507915	ppb	#	1
6) bis(2-Chloroethyl)ether	3.175	93	10084m	182.8447804	ppb		
8) Phenol	3.151	94	580006	8028.4175933	ppb		93
9) Benzaldehyde	3.104	105	7824	467.7616797	ppb	#	89
10) 2-Chlorophenol	3.234	128	9132	148.4812758	ppb		93
11) n-Decane	3.222	41	15716	416.0496527	ppb	#	70
12) 1,3-Dichlorobenzene	3.310	146	10137	153.0897075	ppb		92
13) 1,4-Dichlorobenzene	3.345	146	11058m	162.9240039	ppb		
14) Benzyl Alcohol	3.410	79	6868	142.7743506	ppb		97
15) 1,2-Dichlorobenzene	3.434	146	10351	161.6300726	ppb		93
16) bis(2-Chloroisopropyl)...	3.475	121	3630	168.0472760	ppb	#	51
17) 2,2-oxybis(1-chloropro...	3.475	121	3630	168.0472760	ppb	#	51
18) 2-Methylphenol	3.475	108	7504	138.0628820	ppb		96
19) Hexachloroethane	3.628	117	4643	172.6908427	ppb		93
20) N-Nitrosodi-n-propylamine	3.545	70	6470	151.7230151	ppb		88
21) 3&4-Methyl phenol	3.563	107	51149	821.6383484	ppb		96
22) Acetophenone	3.551	105	15877	204.0510911	ppb	#	40
25) Nitrobenzene	3.657	77	9532	153.7091568	ppb		93
26) Isophorone	3.793	82	17262	150.8480808	ppb		90
27) 2-Nitrophenol	3.845	139	5244	169.2563156	ppb	#	63
28) 2,4-Dimethylphenol	3.863	107	9802	160.3719124	ppb		99
29) bis(2-Chlorethoxy)methane	3.904	93	12352	174.8650318	ppb		90
30) 2,4-Dichlorophenol	4.004	162	8697	178.5319037	ppb	#	87
31) Benzoic Acid	3.916	105	17753	585.3657860	ppb	#	32
32) 1,2,4-Trichlorobenzene	4.040	180	9004	171.6521353	ppb		94
33) alpha-terpineol	4.081	59	7863	188.4929211	ppb		82
34) Naphthalene	4.093	128	32225	177.5739969	ppb		99
36) Hexachloro-1,3-butadiene	4.157	225	4747	171.0635261	ppb		97
38) Quinoline	4.304	129	20034	187.2778593	ppb		96
39) Caprolactam	4.322	113	1306	80.4175677	ppb	#	46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 10 09:53:45 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40)	4-Chloro-3-methylphenol	4.434	107	9997	192.0635780	ppb		96
41)	2-Methylnaphthalene	4.528	142	20927	176.2252853	ppb		97
42)	1-Methylnaphthalene	4.592	142	20608	181.6665075	ppb		97
43)	1,2,4,5-Tetrachloroben...	4.634	216	8472	204.6688810	ppb		99
44)	Diphenyl Ether	4.898	170	14654	222.7296391	ppb	#	62
45)	Diphenyl Oxide	4.898	170	14654	222.7296391	ppb	#	62
47)	Hexachlorocyclopentadiene	4.628	237	2200	59.4360110	ppb		89
48)	2,4,6-Trichlorophenol	4.716	196	6081	173.2874741	ppb	#	86
49)	2,4,5-Trichlorophenol	4.751	196	6975	182.4235657	ppb		94
51)	Biphenyl	4.834	154	27425	179.9627739	ppb	#	71
52)	2-Chloronaphthalene	4.851	162	20768	174.8235759	ppb		96
53)	2-Nitroaniline	4.922	138	7660	187.9660828	ppb		93
54)	Acenaphthylene	5.140	152	34293	192.5108957	ppb		98
55)	Dimethyl phthalate	5.028	163	25049	185.6197628	ppb		97
56)	2,6-Dinitrotoluene	5.081	165	5573	179.8227319	ppb		87
57)	3-Nitroaniline	5.210	138	5533	154.9806611	ppb	#	82
58)	Acenaphthene	5.263	153	22678	182.3841762	ppb		94
60)	Dibenzofuran	5.387	168	31360	189.5098336	ppb		97
61)	2,4-Dinitrotoluene	5.369	165	6747	171.1648749	ppb		96
62)	2,3,4,6-Tetrachlorophenol	5.481	232	4664	175.9157765	ppb		97
63)	4-Nitrophenol	5.357	139	1562	54.2095310	ppb		89
64)	Fluorene	5.639	166	24959	177.1253268	ppb		95
65)	4-Chlorophenyl-phenyle...	5.628	204	12102	191.5136708	ppb		97
66)	Diethyl phthalate	5.534	149	25019	180.5752475	ppb		97
67)	4-Nitroaniline	5.651	138	6050	153.2577632	ppb	#	1
68)	Azobenzene	5.745	77	21806	153.2272271	ppb		93
69)	Atrazine	6.116	200	6356	181.0062913	ppb	#	80
71)	4,6-Dinitro-2-methylph...	5.669	198	3371	984.4932956	ppb	#	80
74)	4-Bromophenyl-phenylether	5.998	248	6823	193.7905364	ppb		96
75)	Hexachlorobenzene	6.057	284	7425	185.8175311	ppb		96
76)	n-octadecane	6.239	55	4381	173.8224783	ppb	#	83
77)	Pentachlorophenol	6.216	266	3870	215.6647220	ppb		94
78)	Phenanthrene	6.375	178	39514	188.4072582	ppb		98
79)	Anthracene	6.416	178	38028	186.7896625	ppb		97
80)	Carbazole	6.539	167	35307	180.9081410	ppb		98
81)	Di-n-butyl phthalate	6.798	149	43988	195.4821621	ppb		98
82)	2-nitrodiphenylamine	6.928	167	7768	944.0146186	ppb		95
83)	Fluoranthene	7.363	202	39739	194.5271298	ppb		98
85)	Benzidine	7.498	184	1445	850.3003438	ppb	#	100
86)	Pyrene	7.586	202	40356	204.2875845	ppb		99
88)	Benzylbutyl phthalate	8.316	149	16964	185.9950519	ppb		94
89)	3,3-Dichlorobenzidine	9.069	252	22290	369.0527666	ppb		99
90)	Benzo(a)anthracene	9.098	228	35717	178.9576546	ppb		96
91)	Chrysene	9.151	228	32131	172.2209057	ppb		98
93)	Di-n-octyl phthalate	10.363	149	29892	302.5614558	ppb		98
95)	Benzo(b)fluoranthene	10.998	252	26692	172.5768323	ppb		99
96)	Benzo(k)fluoranthene	11.051	252	27812m	181.4612901	ppb		
97)	Benzo(a)pyrene	11.639	252	23807	186.2359404	ppb		97
98)	Indeno(1,2,3-cd)pyrene	13.733	276	21197	162.9405939	ppb		95
99)	Dibenz(a,h)anthracene	13.780	278	21445	125.7297582	ppb		95
100)	Benzo(g,h,i)perylene	14.086	276	22430	160.6048443	ppb		96

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 10 09:53:45 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

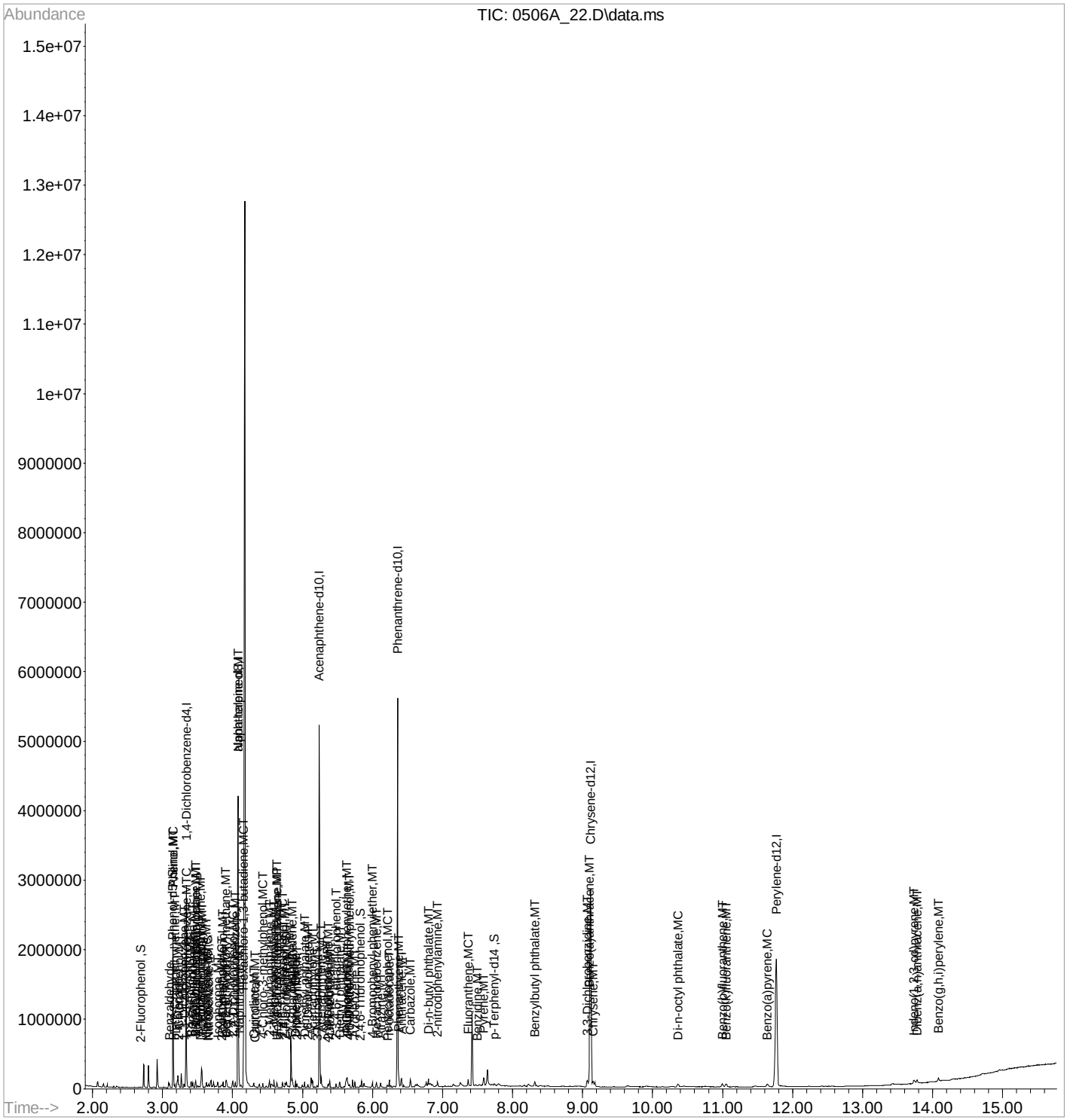
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

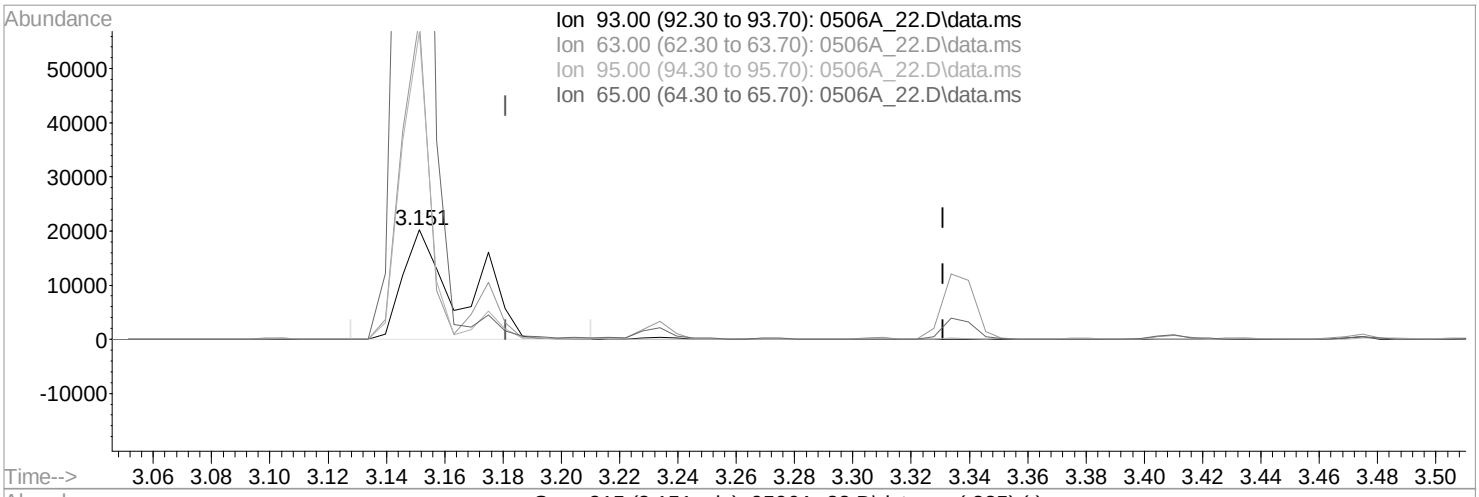
Quant Time: May 10 09:53:45 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

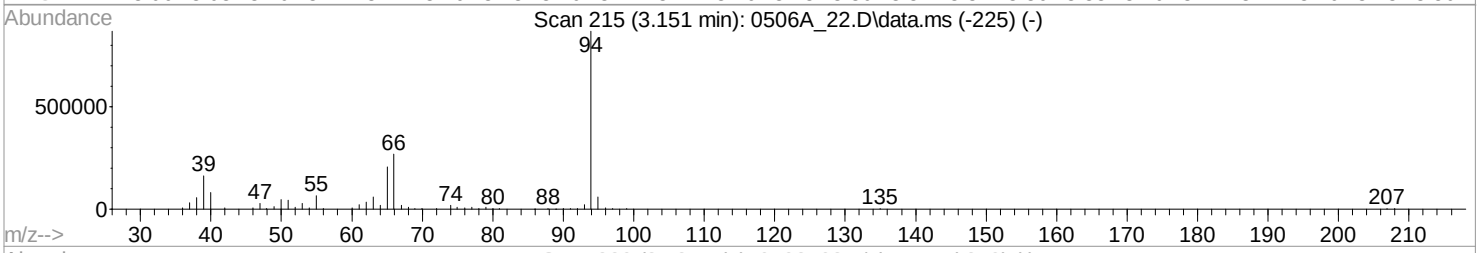


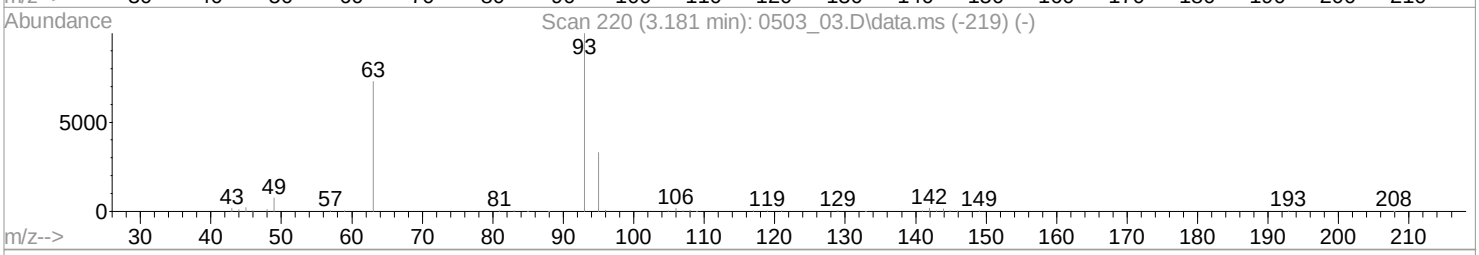
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_22.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.151min (-0.030) 512.7777063 ppb

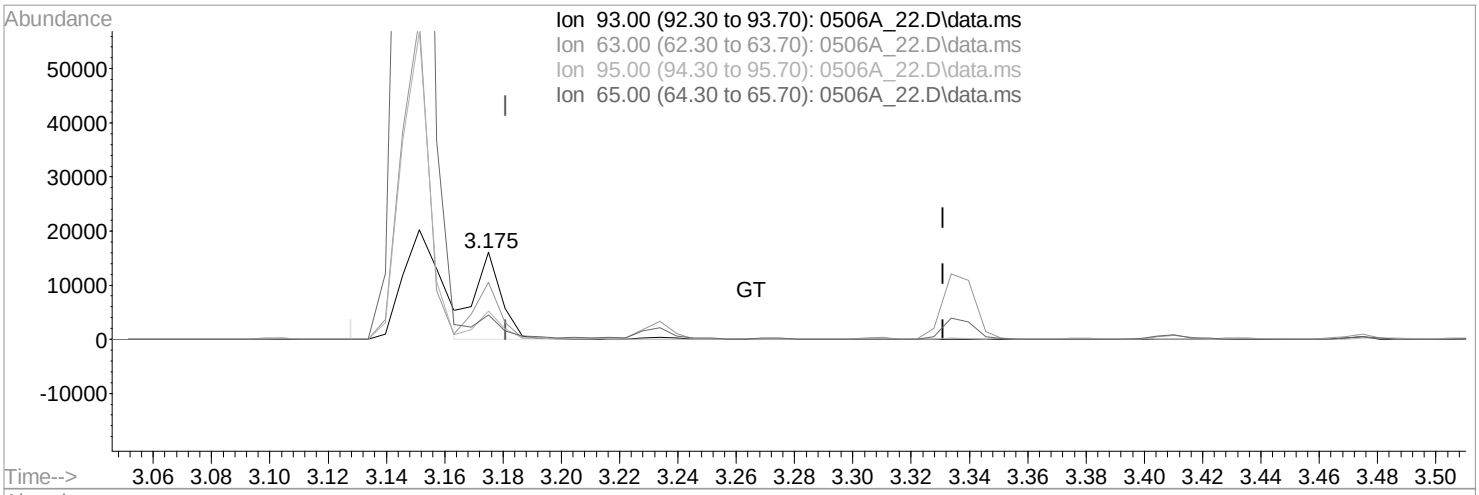
Qvalue = 1

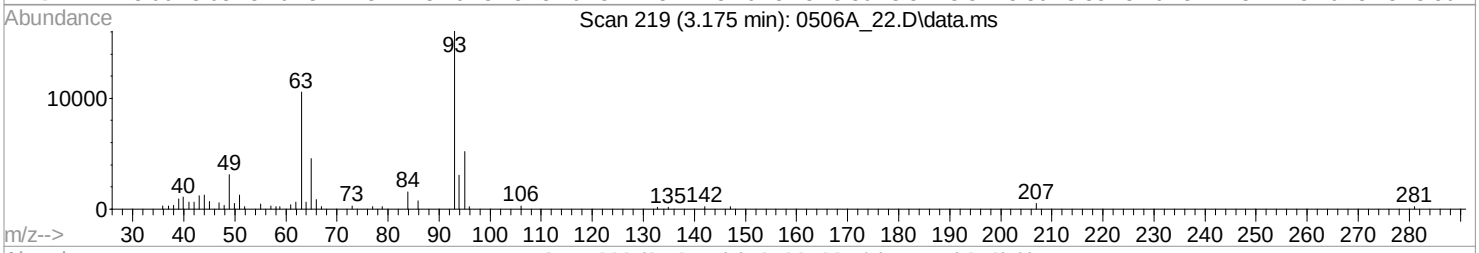
response 28280

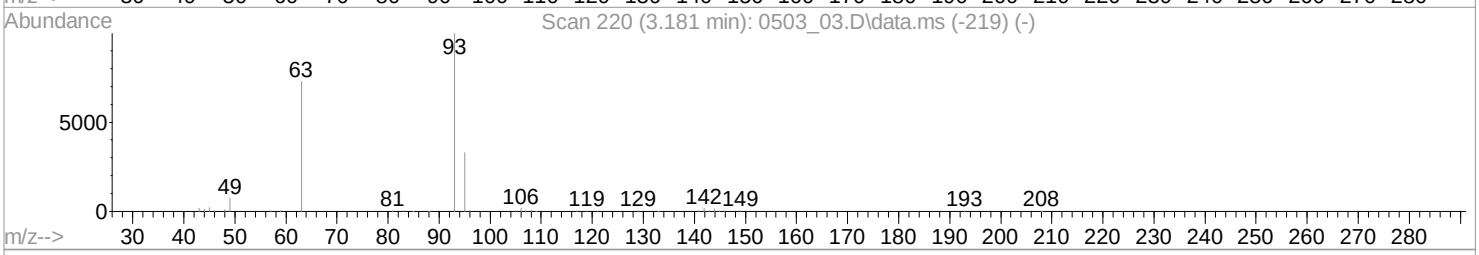
Ion	Exp%	Act%
93.00	100	100
63.00	72.00	292.08#
95.00	33.70	280.94#
65.00	22.90	1021.87#

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_22.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.175min (-0.006) 182.8447804 ppb m

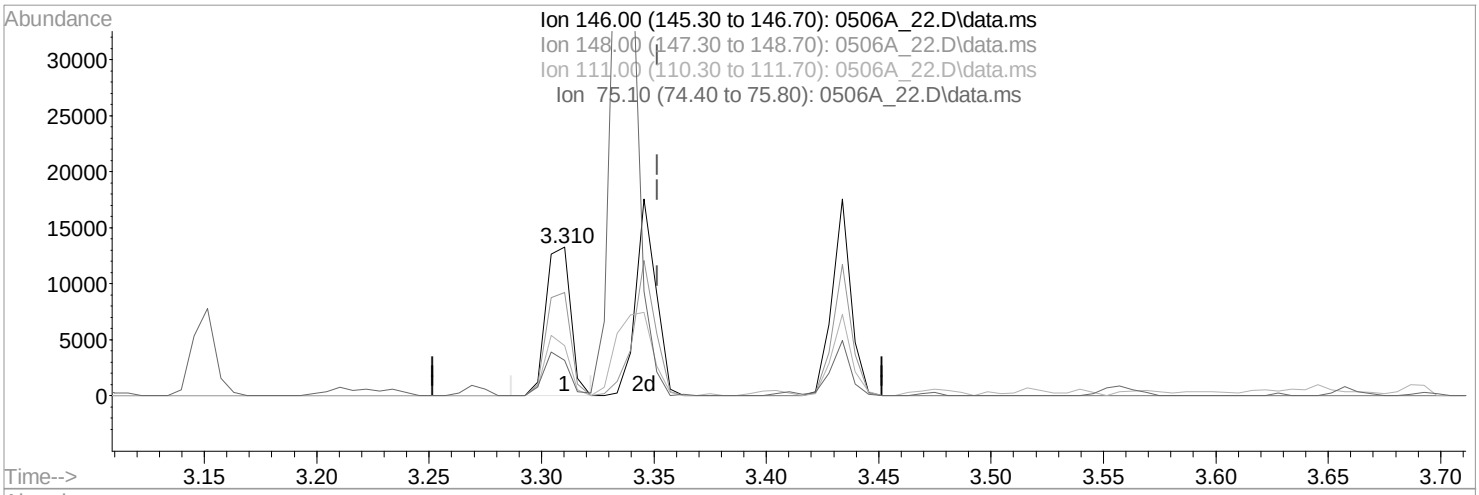
response 10084

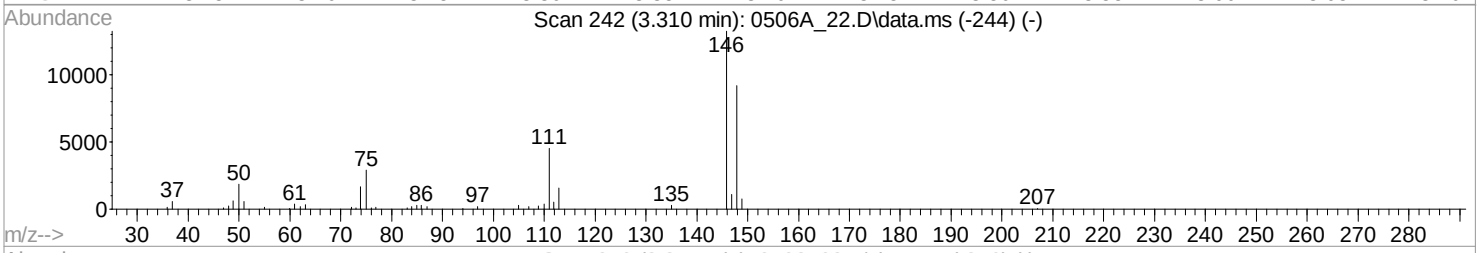
Ion	Exp%	Act%
93.00	100	100
63.00	72.00	65.52
95.00	33.70	32.33
65.00	22.90	28.15

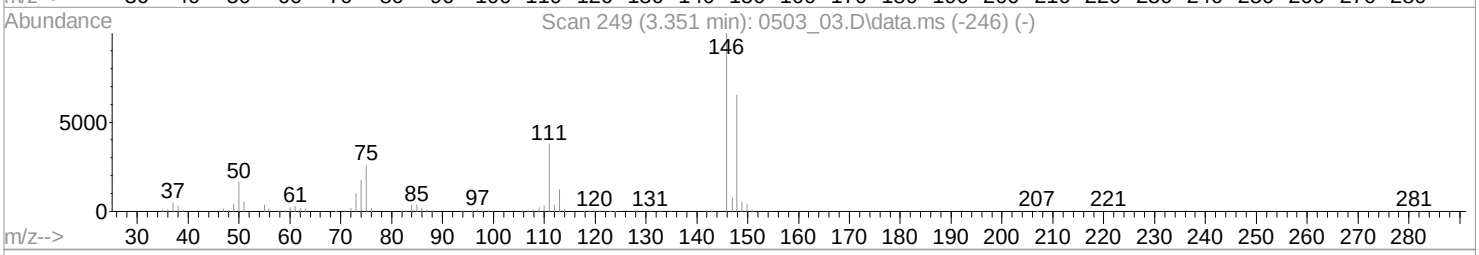
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_22.D\data.ms

(13) 1,4-Dichlorobenzene (MTC)

3.310min (-0.041) 149.3543704 ppb

Qvalue = 95

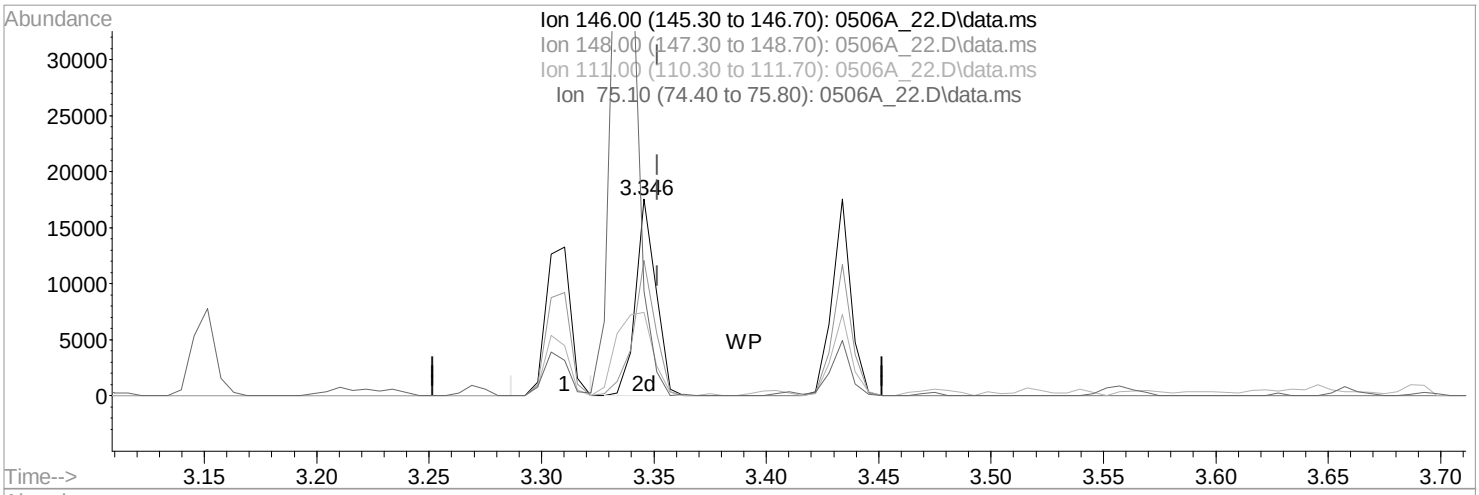
response 10137

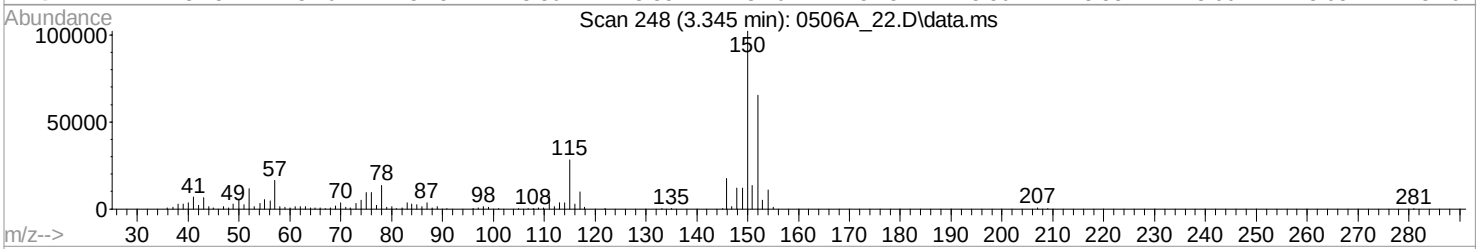
Ion	Exp%	Act%
146.00	100	100
148.00	64.10	69.37
111.00	35.40	33.84
75.10	26.00	23.91

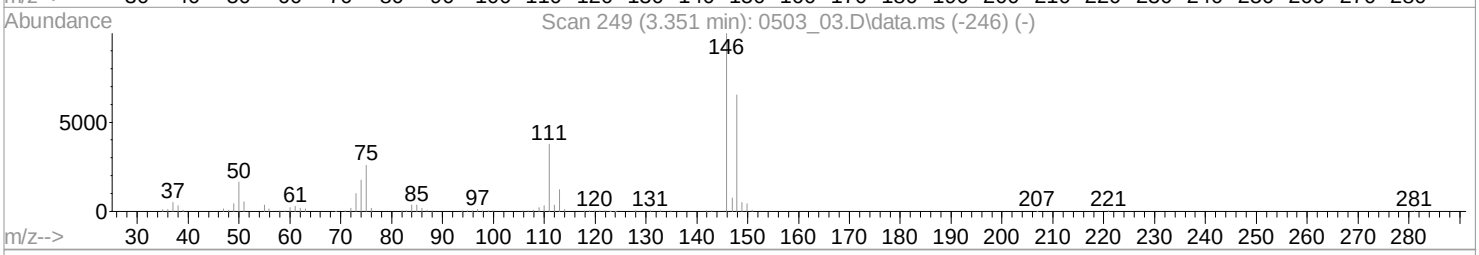
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_22.D\data.ms

(13) 1,4-Dichlorobenzene (MTC)

3.345min (-0.006) 162.9240039 ppb m

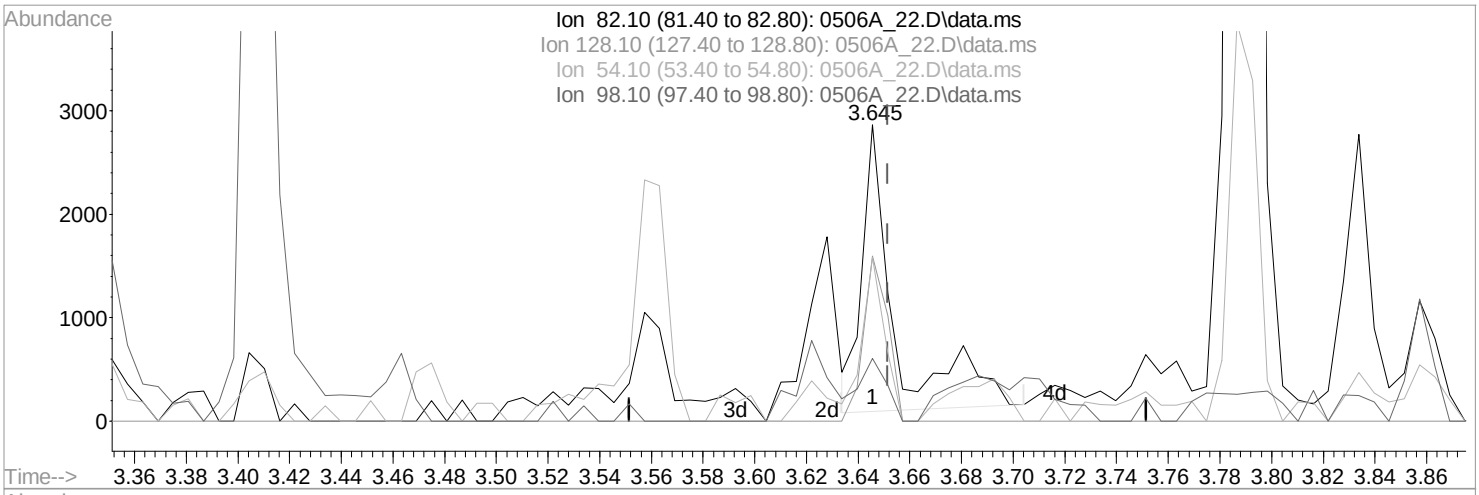
response 11058

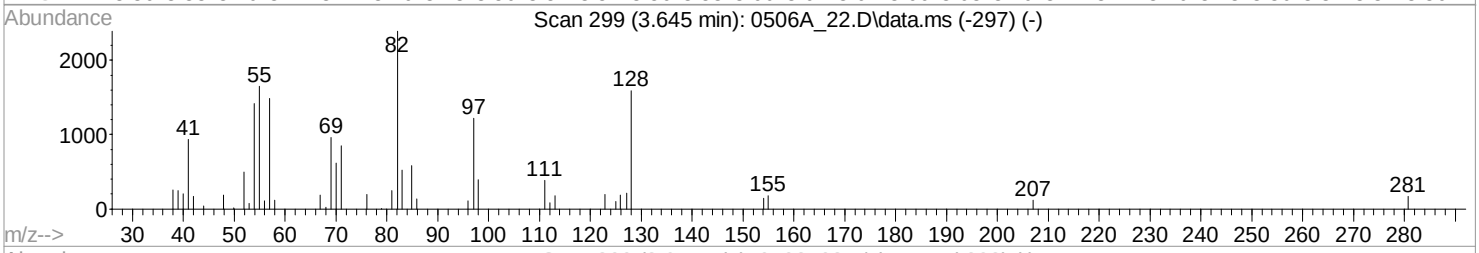
Ion	Exp%	Act%
146.00	100	100
148.00	64.10	68.70
111.00	35.40	42.57
75.10	26.00	53.21#

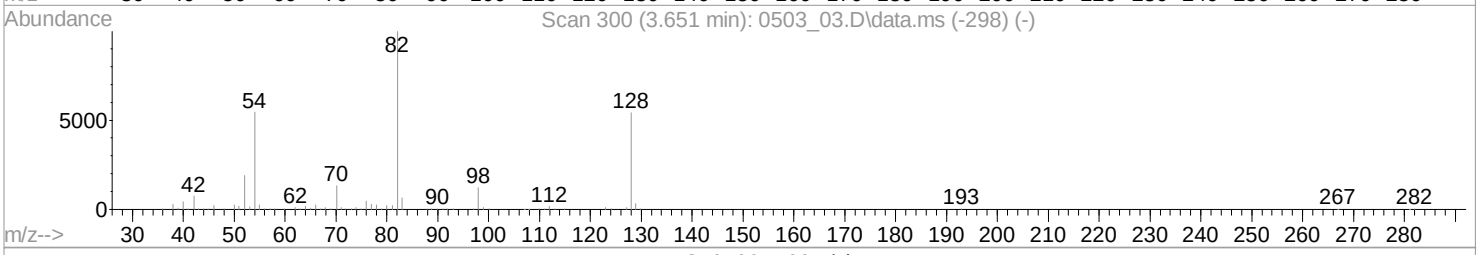
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_22.D\data.ms

(24) Nitrobenzene-d5 (S)

3.645min (-0.006) 36.4317095 ppb

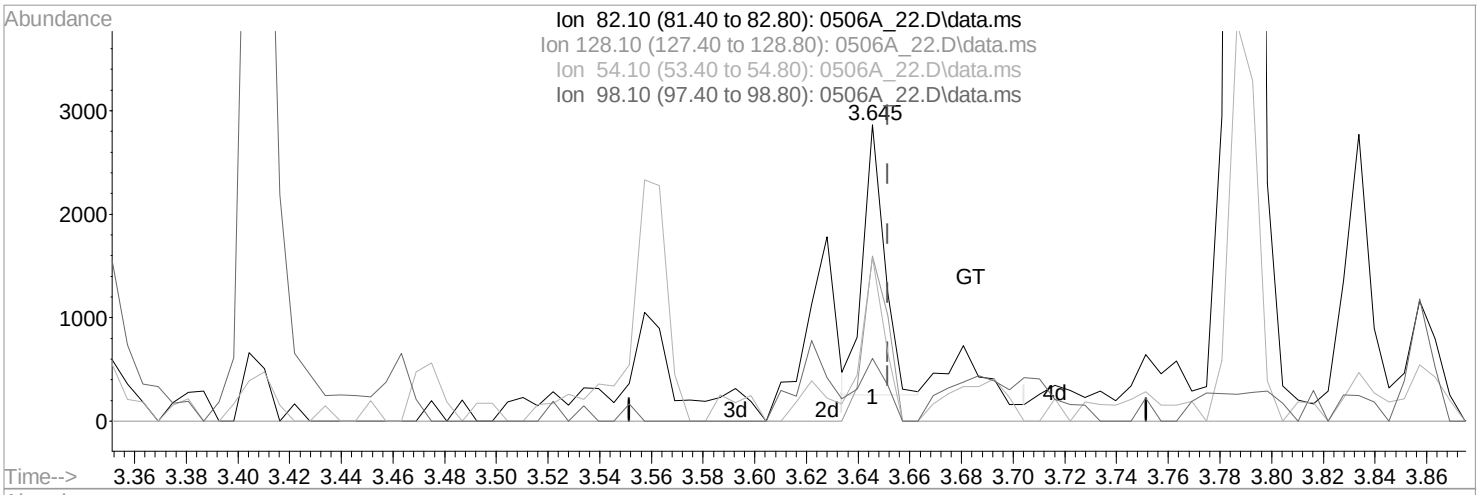
Qvalue = 87

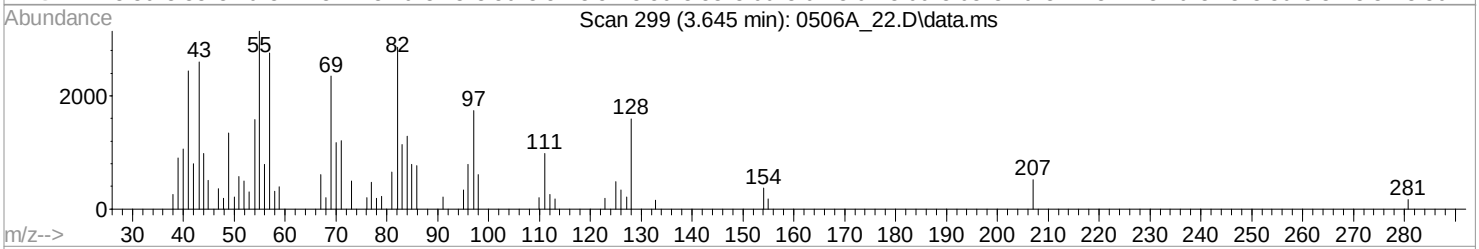
response 2419

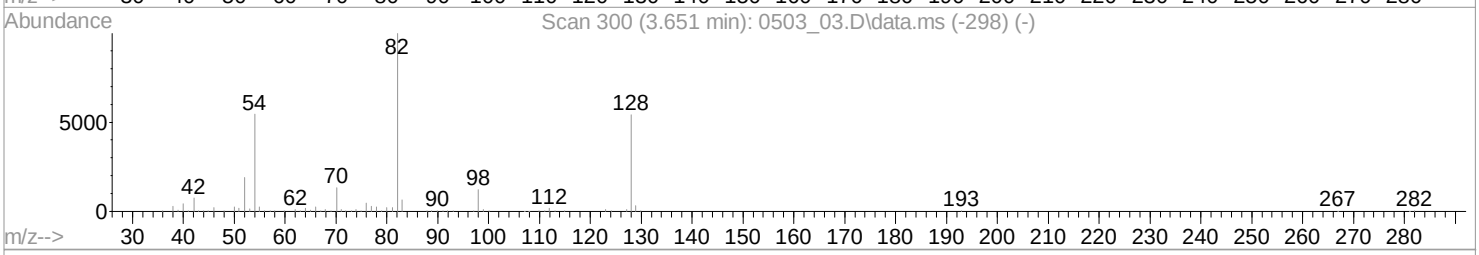
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	58.91
54.10	54.80	58.43
98.10	11.60	14.41

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_22.D\data.ms

(24) Nitrobenzene-d5 (S)

3.645min (-0.006) 22.4855487 ppb m

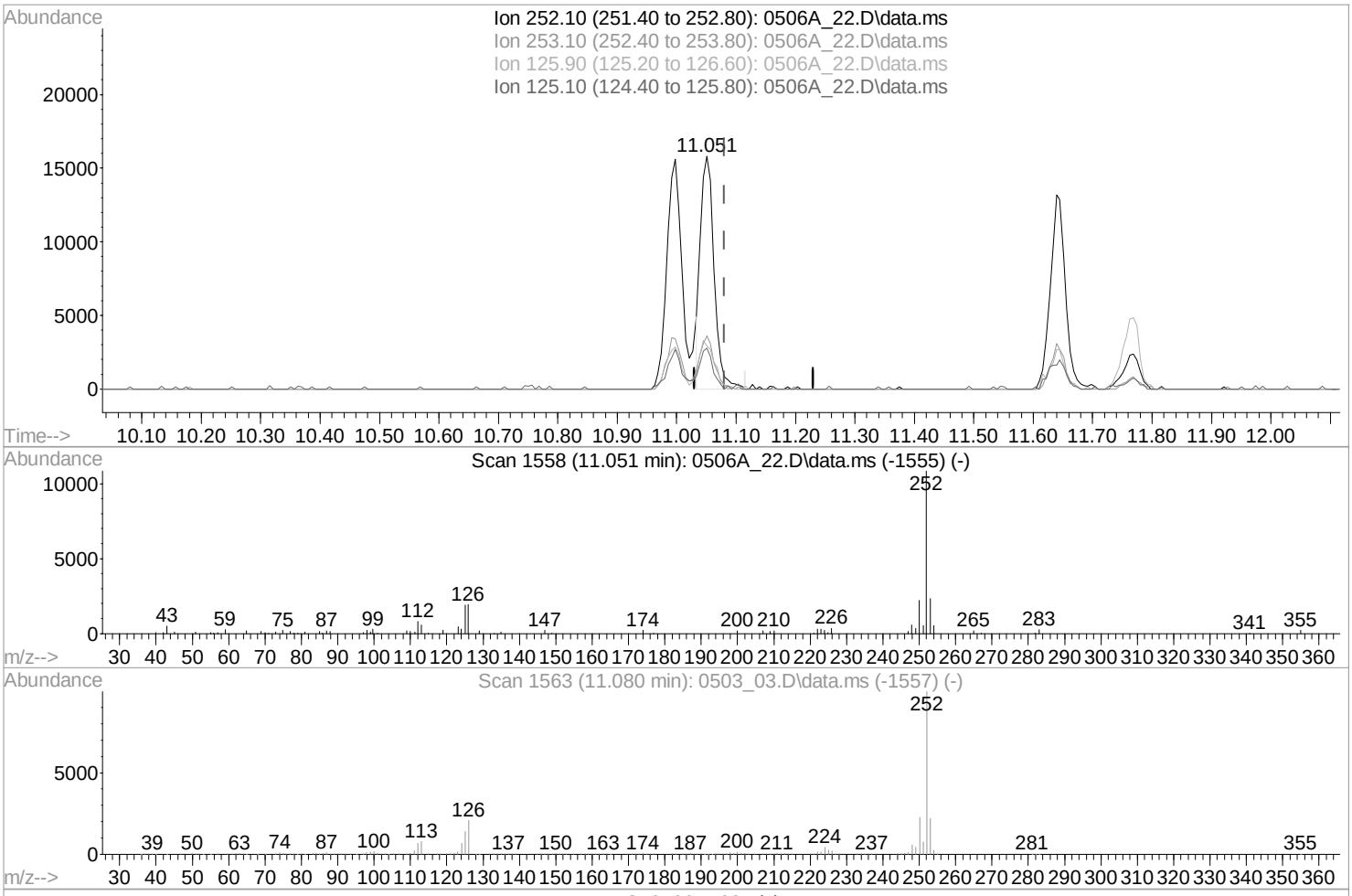
response 1493

Ion	Exp%	Act%
82.10	100	100
128.10	43.50	55.62
54.10	54.80	55.16
98.10	11.60	21.14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0506A_22.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.051min (-0.030) 163.1011553 ppb

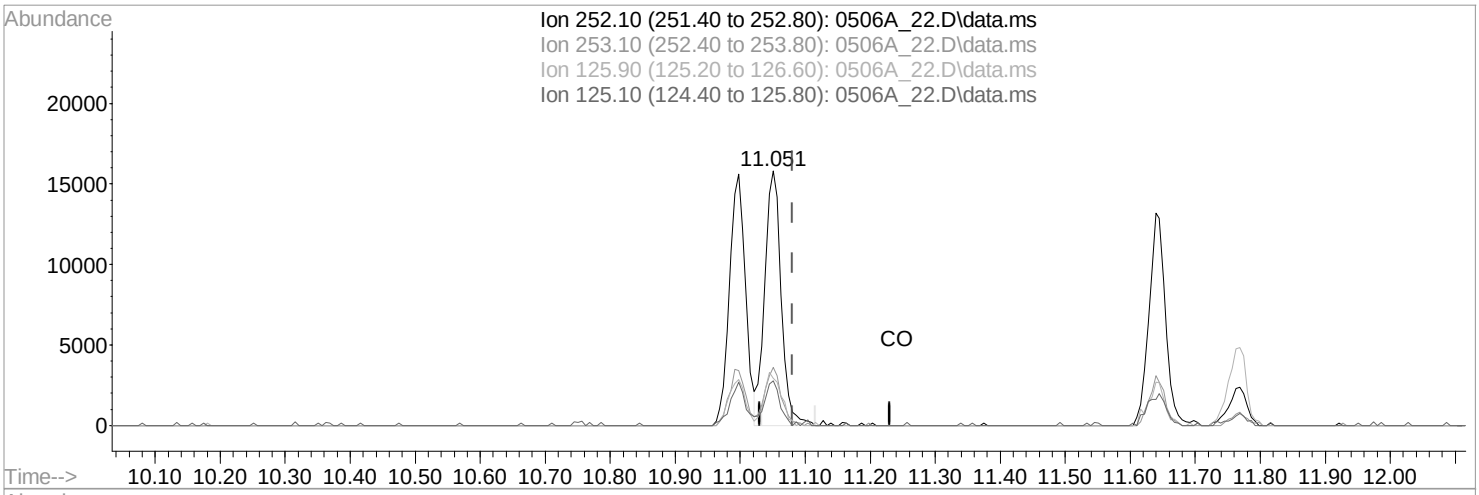
Qvalue = 94

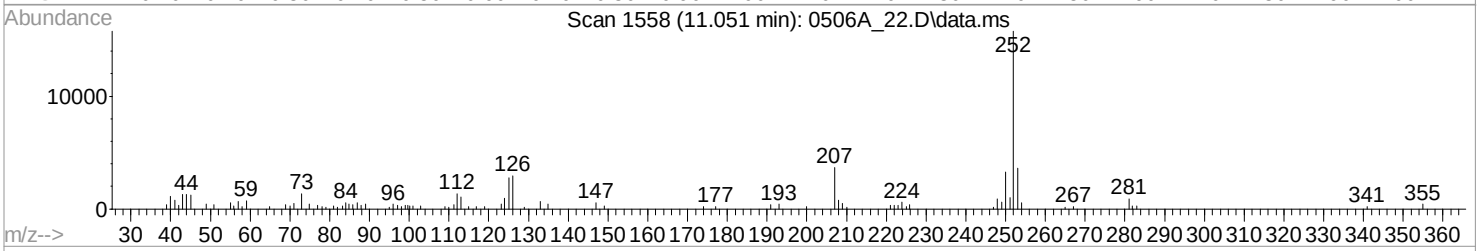
response 24998

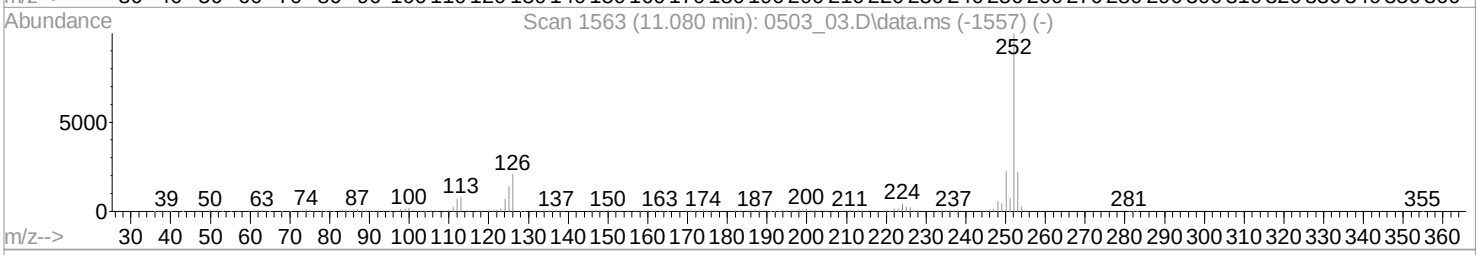
Ion	Exp%	Act%
252.10	100	100
253.10	21.70	22.75
125.90	22.10	17.45
125.10	15.60	17.46

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_22.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.051min (-0.030) 181.4612901 ppb m

response 27812

Ion	Exp%	Act%
252.10	100	100
253.10	21.70	22.75
125.90	22.10	18.62
125.10	15.60	17.46

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3789362-2	**SDG:**	L1488626
Client Sample ID:	MSD	**Collected Date/Time:**	04/28/22 14:10
Lab File ID:	0506A_23	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	BNAMS20	**Preparation Date/Time:**	05/05/22 04:53
Analytical Batch:	WG1858057	**Analysis Date/Time:**	05/06/22 22:29
Dilution Factor:	50	**Prep Method:**	3510C
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	100 mL
Total Solids (%):	_____	**Final Wt/Vol:**	0.5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acenaphthene	83-32-9	5.26	47.3		4.43	50.0
Acenaphthylene	208-96-8	5.14	49.2		4.61	50.0
Anthracene	120-12-7	6.42	47.9		4.02	50.0
Benzoic Acid	65-85-0	3.92	140		85.0	2500
Benzo(a)anthracene	56-55-3	9.10	46.9		9.95	50.0
Benzo(b)fluoranthene	205-99-2	11	45.0		6.50	50.0
Benzo(k)fluoranthene	207-08-9	11.05	47.9		6.00	50.0
Benzo(g,h,i)perylene	191-24-2	14.09	40.5		6.05	50.0
Benzo(a)pyrene	50-32-8	11.65	49.4		1.91	50.0
Carbazole	86-74-8	6.54	46.8		5.55	500
Chrysene	218-01-9	9.15	44.7		6.50	50.0
Dibenz(a,h)anthracene	53-70-3	13.78	35.0		3.22	50.0
Dibenzofuran	132-64-9	5.39	48.9		4.85	500
Fluorene	86-73-7	5.64	47.2		4.22	50.0
Fluoranthene	206-44-0	7.36	49.6		5.10	50.0
Indeno(1,2,3-cd)pyrene	193-39-5	13.73	40.8		14.0	50.0
1-Methylnaphthalene	90-12-0	4.59	47.2		3.95	50.0
2-Methylnaphthalene	91-57-6	4.53	44.3		5.85	50.0
Phenanthrene	85-01-8	6.37	50.3		5.60	50.0
Pyrene	129-00-0	7.59	53.8		5.35	50.0
Naphthalene	91-20-3	4.09	46.0		7.95	50.0
Bis(2-ethylhexyl)phthalate	117-81-7	9.17	U	J6	44.8	150
Di-n-butyl phthalate	84-74-2	6.80	51.6		22.7	150
Di-n-octyl phthalate	117-84-0	10.36	76.8	J5	46.6	150
3&4-Methyl Phenol	3&4-Methyl Phenol	3.56	199		8.40	500
Pentachlorophenol	87-86-5	6.22	55.8		15.7	500
Phenol	108-95-2	3.15	1940	V	217	500

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
Acq On : 6 May 2022 10:29 pm
Operator : 917
Sample : MSD 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 48 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 10 09:55:01 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.340	152	378602	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.081	136	1573220	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.240	164	896096	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.357	188	1623422	8000.0000000	ppb		0.00
84) Chrysene-d12	9.116	240	1275555	8000.0000000	ppb		0.00
94) Perylene-d12	11.769	264	1133368	8000.0000000	ppb		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	2.681	112	1559	28.8906259	ppb		-0.02
Spiked Amount 4000.000	Range 10 - 120		Recovery = 0.72%#				
7) Phenol-d5	3.140	99	1574	22.9009811	ppb		-0.02
Spiked Amount 4000.000	Range 10 - 120		Recovery = 0.57%#				
24) Nitrobenzene-d5	3.646	82	1501m	22.5550661	ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 1.13%#				
50) 2-Fluorobiphenyl	4.763	172	4651	35.5666184	ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 1.78%#				
73) 2,4,6-Tribromophenol	5.822	330	1147	69.2098798	ppb		-0.01
Spiked Amount 4000.000	Range 10 - 153		Recovery = 1.73%#				
87) p-Terphenyl-d14	7.740	244	6156	40.8583908	ppb		-0.01
Spiked Amount 2000.000	Range 29 - 141		Recovery = 2.04%#				
Target Compounds							Qvalue
5) Aniline	3.152	66	175528	5290.8376026	ppb	#	1
6) bis(2-Chloroethyl)ether	3.175	93	8172m	149.0108824	ppb		
8) Phenol	3.152	94	557586	7761.5637152	ppb		93
9) Benzaldehyde	3.105	105	7920	476.1687373	ppb		87
10) 2-Chlorophenol	3.234	128	8667	141.7145633	ppb		92
11) n-Decane	3.222	41	15314	407.6915262	ppb	#	69
12) 1,3-Dichlorobenzene	3.305	146	10305	156.5036394	ppb		97
13) 1,4-Dichlorobenzene	3.346	146	10819m	160.3007329	ppb		
14) Benzyl Alcohol	3.410	79	6546	136.8471655	ppb		93
15) 1,2-Dichlorobenzene	3.434	146	10605	166.5292134	ppb		92
16) bis(2-Chloroisopropyl)...	3.475	121	3642	169.5526930	ppb	#	54
17) 2,2-oxybis(1-chloropro...	3.475	121	3642	169.5526930	ppb	#	54
18) 2-Methylphenol	3.475	108	7262	134.3631734	ppb		91
19) Hexachloroethane	3.628	117	4177	156.2338010	ppb		87
20) N-Nitrosodi-n-propylamine	3.546	70	7133	168.2129031	ppb		82
21) 3&4-Methyl phenol	3.563	107	49312	796.5922356	ppb		96
22) Acetophenone	3.552	105	15546	200.9227152	ppb	#	39
25) Nitrobenzene	3.657	77	9688	155.8725233	ppb		92
26) Isophorone	3.787	82	18101	157.8232471	ppb		95
27) 2-Nitrophenol	3.846	139	5430	174.8645436	ppb	#	61
28) 2,4-Dimethylphenol	3.863	107	10596	172.9717936	ppb		88
29) bis(2-Chlorethoxy)methane	3.904	93	12414	175.3465229	ppb		94
30) 2,4-Dichlorophenol	4.004	162	8176	167.4584156	ppb		88
31) Benzoic Acid	3.916	105	16991	558.9774019	ppb	#	32
32) 1,2,4-Trichlorobenzene	4.040	180	9102	173.1291849	ppb		96
33) alpha-terpineol	4.081	59	8500	203.3037662	ppb		87
34) Naphthalene	4.093	128	33459	183.9581909	ppb		99
36) Hexachloro-1,3-butadiene	4.157	225	4715	169.5272880	ppb		96
38) Quinoline	4.304	129	19935	185.9322549	ppb		94
39) Caprolactam	4.316	113	1207m	74.1540296	ppb		

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
Acq On : 6 May 2022 10:29 pm
Operator : 917
Sample : MSD 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 48 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 10 09:55:01 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40)	4-Chloro-3-methylphenol	4.434	107	9408	180.3401227 ppb		92
41)	2-Methylnaphthalene	4.528	142	21065	176.9874372 ppb		98
42)	1-Methylnaphthalene	4.593	142	21463	188.7770417 ppb		98
43)	1,2,4,5-Tetrachloroben...	4.634	216	9017	217.3440056 ppb		99
44)	Diphenyl Ether	4.899	170	14910	226.1097026 ppb	#	63
45)	Diphenyl Oxide	4.899	170	14910	226.1097026 ppb	#	63
47)	Hexachlorocyclopentadiene	4.628	237	1703	46.4286104 ppb		95
48)	2,4,6-Trichlorophenol	4.716	196	6367	183.0927224 ppb		91
49)	2,4,5-Trichlorophenol	4.751	196	7293	192.4806189 ppb		91
51)	Biphenyl	4.834	154	27381	181.3131956 ppb	#	71
52)	2-Chloronaphthalene	4.851	162	21118	179.3916292 ppb		97
53)	2-Nitroaniline	4.922	138	7954	196.9610598 ppb		94
54)	Acenaphthylene	5.140	152	34697	196.5557829 ppb		98
55)	Dimethyl phthalate	5.028	163	25264	188.9208964 ppb		99
56)	2,6-Dinitrotoluene	5.081	165	5670	184.6216685 ppb		88
57)	3-Nitroaniline	5.210	138	6268	177.1698800 ppb	#	77
58)	Acenaphthene	5.263	153	23317	189.2339880 ppb		94
60)	Dibenzofuran	5.387	168	32072	195.5806135 ppb		99
61)	2,4-Dinitrotoluene	5.369	165	6932	177.4624837 ppb		93
62)	2,3,4,6-Tetrachlorophenol	5.481	232	4900	186.5032449 ppb		98
63)	4-Nitrophenol	5.357	139	1606	56.2450394 ppb		84
64)	Fluorene	5.640	166	26331	188.5666568 ppb		93
65)	4-Chlorophenyl-phenyle...	5.628	204	12254	195.6881703 ppb		97
66)	Diethyl phthalate	5.534	149	26014	189.4695711 ppb		95
67)	4-Nitroaniline	5.651	138	6019	153.8634676 ppb	#	1
68)	Azobenzene	5.746	77	22546	159.8724026 ppb		90
69)	Atrazine	6.116	200	6688	192.1985516 ppb	#	82
71)	4,6-Dinitro-2-methylph...	5.669	198	3475	989.6340447 ppb		87
74)	4-Bromophenyl-phenylether	5.998	248	7392	211.4588832 ppb		95
75)	Hexachlorobenzene	6.057	284	7930	199.8803941 ppb		96
76)	n-octadecane	6.240	55	5768	230.4967035 ppb	#	91
77)	Pentachlorophenol	6.216	266	4030	223.1067954 ppb		94
78)	Phenanthrene	6.375	178	41920	201.3143302 ppb		97
79)	Anthracene	6.416	178	38737	191.6382155 ppb		99
80)	Carbazole	6.540	167	36244	187.0424565 ppb		99
81)	Di-n-butyl phthalate	6.798	149	46090	206.2939104 ppb		99
82)	2-nitrodiphenylamine	6.928	167	8011	949.5921081 ppb		94
83)	Fluoranthene	7.363	202	40255	198.4677098 ppb		98
85)	Benzidine	7.492	184	2946	864.6192306 ppb	#	100
86)	Pyrene	7.587	202	42363	214.9656090 ppb		98
88)	Benzylbutyl phthalate	8.316	149	18427	202.5238526 ppb		99
89)	3,3-Dichlorobenzidine	9.069	252	22668	376.2183882 ppb		98
90)	Benzo(a)anthracene	9.098	228	37147	187.4892529 ppb		94
91)	Chrysene	9.151	228	33275	178.7837773 ppb		98
93)	Di-n-octyl phthalate	10.363	149	30891	307.2891857 ppb		99
95)	Benzo(b)fluoranthene	10.998	252	27869	179.9259801 ppb		98
96)	Benzo(k)fluoranthene	11.051	252	29397m	191.5251894 ppb		
97)	Benzo(a)pyrene	11.645	252	25299	197.6210915 ppb		96
98)	Indeno(1,2,3-cd)pyrene	13.733	276	21257	163.1653670 ppb		96
99)	Dibenz(a,h)anthracene	13.780	278	23530	139.9689520 ppb		98
100)	Benzo(g,h,i)perylene	14.086	276	22658	162.0026259 ppb		97

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
Acq On : 6 May 2022 10:29 pm
Operator : 917
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Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 48 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 10 09:55:01 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
Acq On : 6 May 2022 10:29 pm
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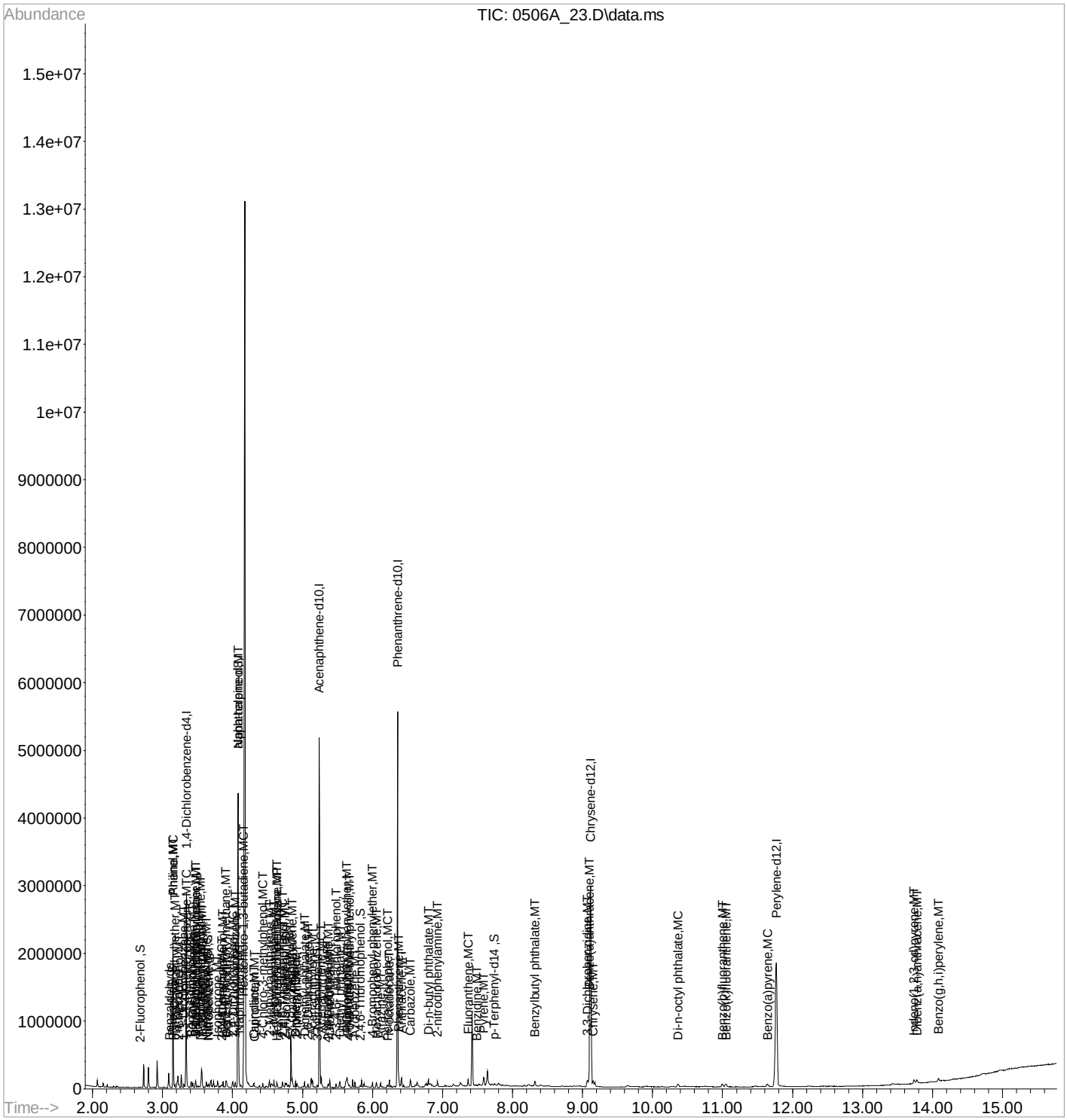
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
Acq On : 6 May 2022 10:29 pm
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InstName : BNAMS20

Quant Time: May 08 13:03:15 2022
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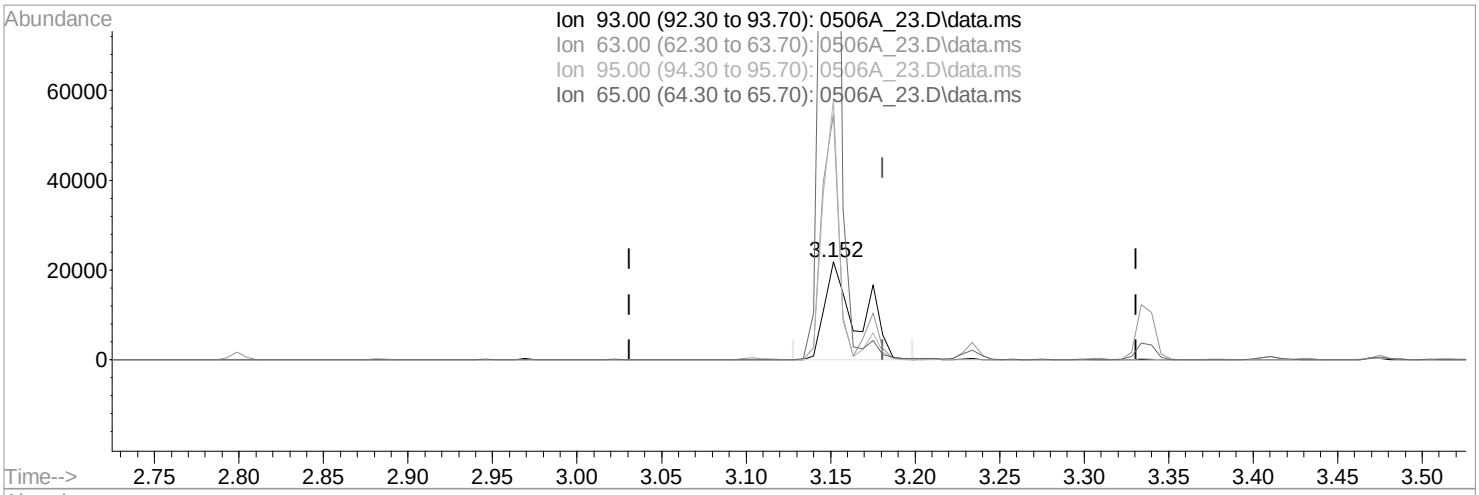
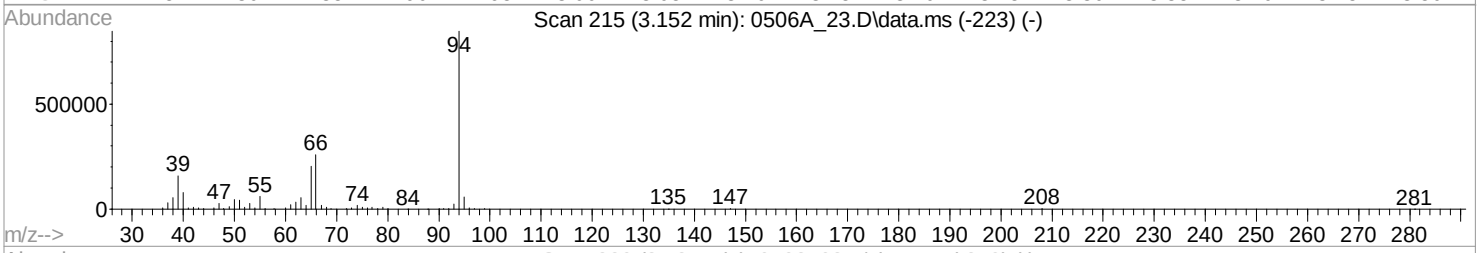
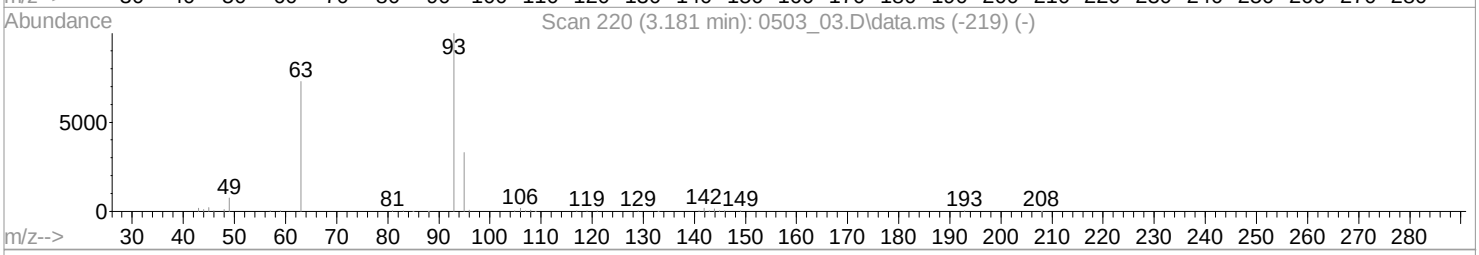
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_23.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.152min (-0.029) 540.0094571 ppb

Qvalue = 1

response 29615

Ion	Exp%	Act%
93.00	100	100
63.00	72.00	250.42#
95.00	33.70	265.06#
65.00	22.90	930.55#

Data Path : C:\msdchem\1\data\050622A\
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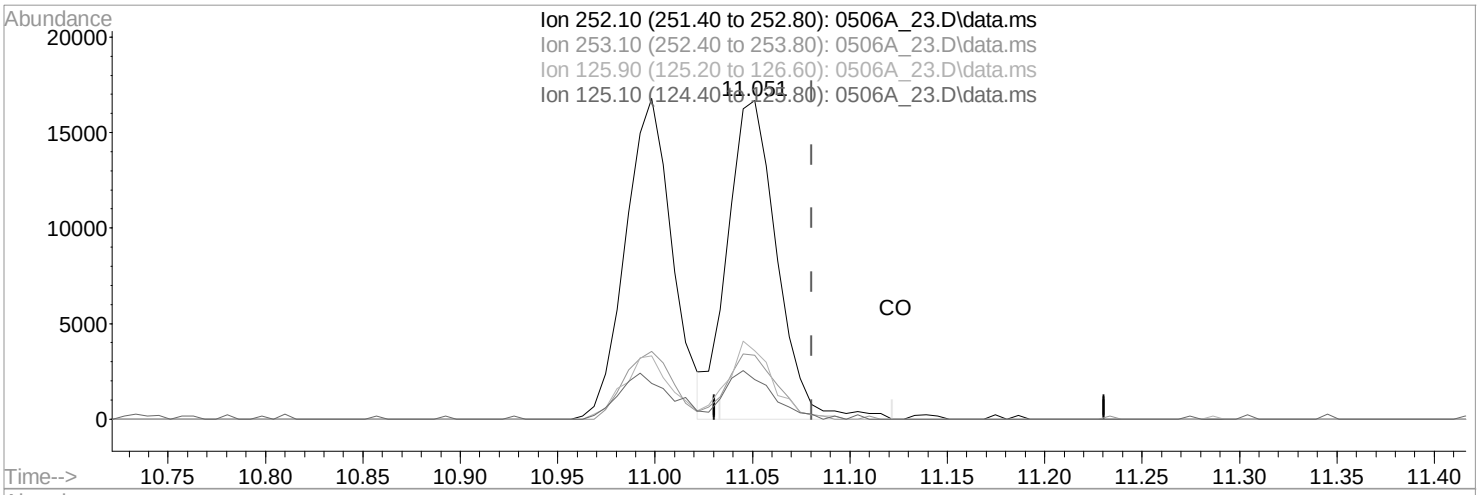
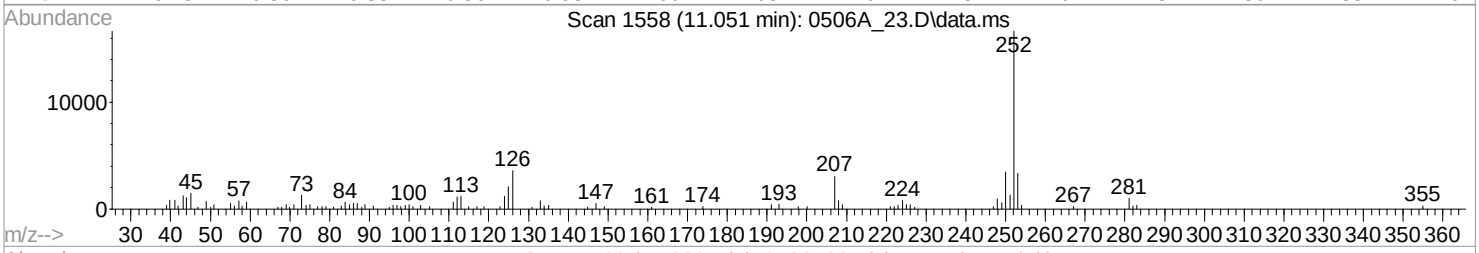
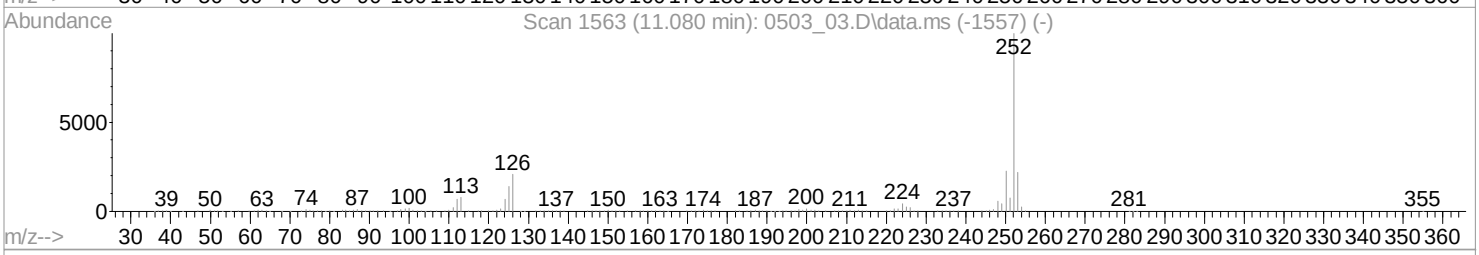
InstName : BNAMS20

Quant Time: May 08 13:03:15 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_23.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.051min (-0.029) 191.5251894 ppb m

response 29397

Ion	Exp%	Act%
252.10	100	100
253.10	21.70	20.05
125.90	22.10	21.39
125.10	15.60	12.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
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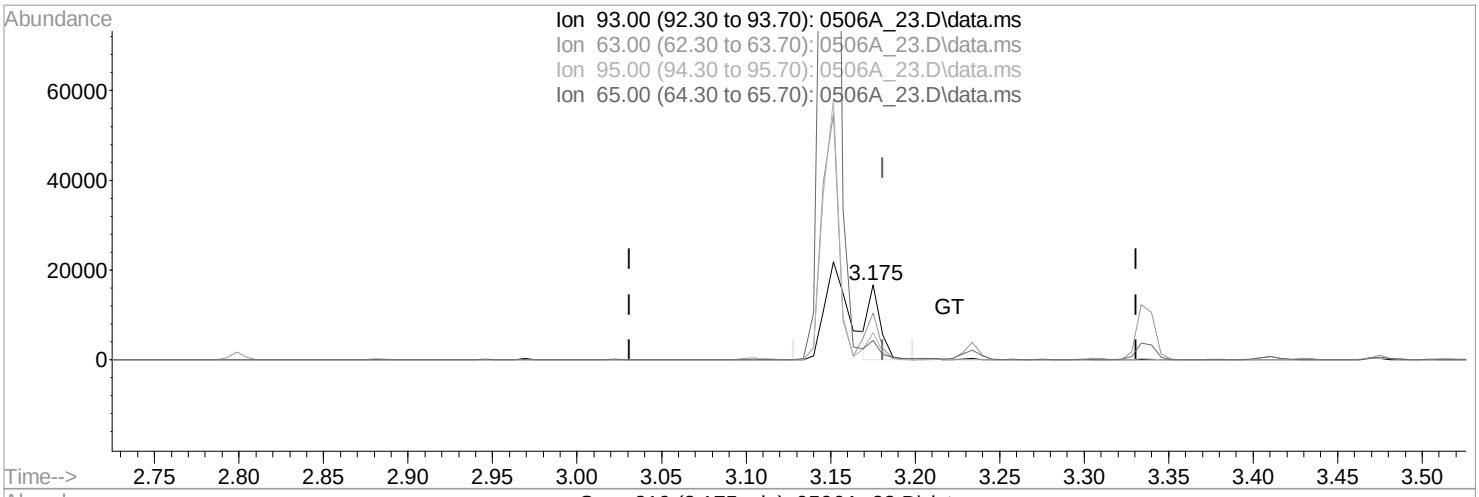
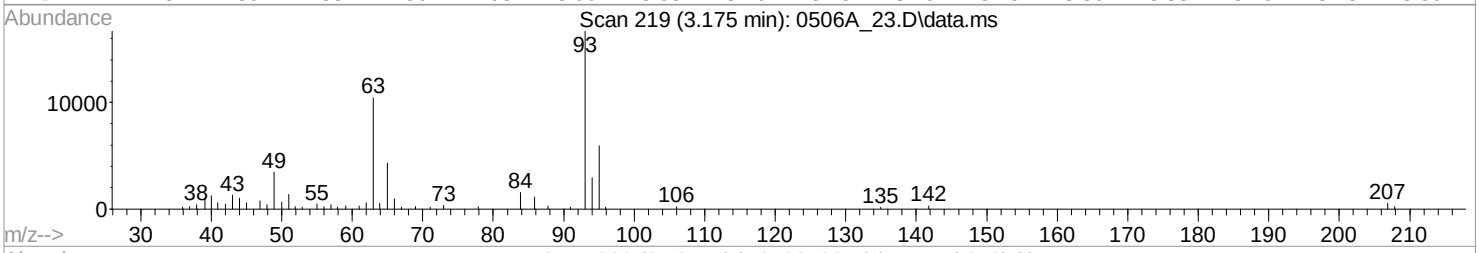
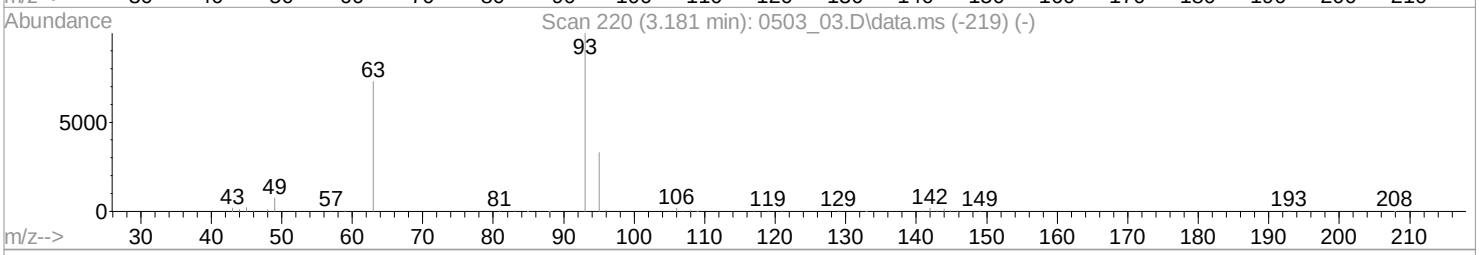
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_23.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.175min (-0.006) 149.0108824 ppb m

response 8172

Ion	Exp%	Act%
93.00	100	100
63.00	72.00	62.57
95.00	33.70	35.56
65.00	22.90	25.67

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
Acq On : 6 May 2022 10:29 pm
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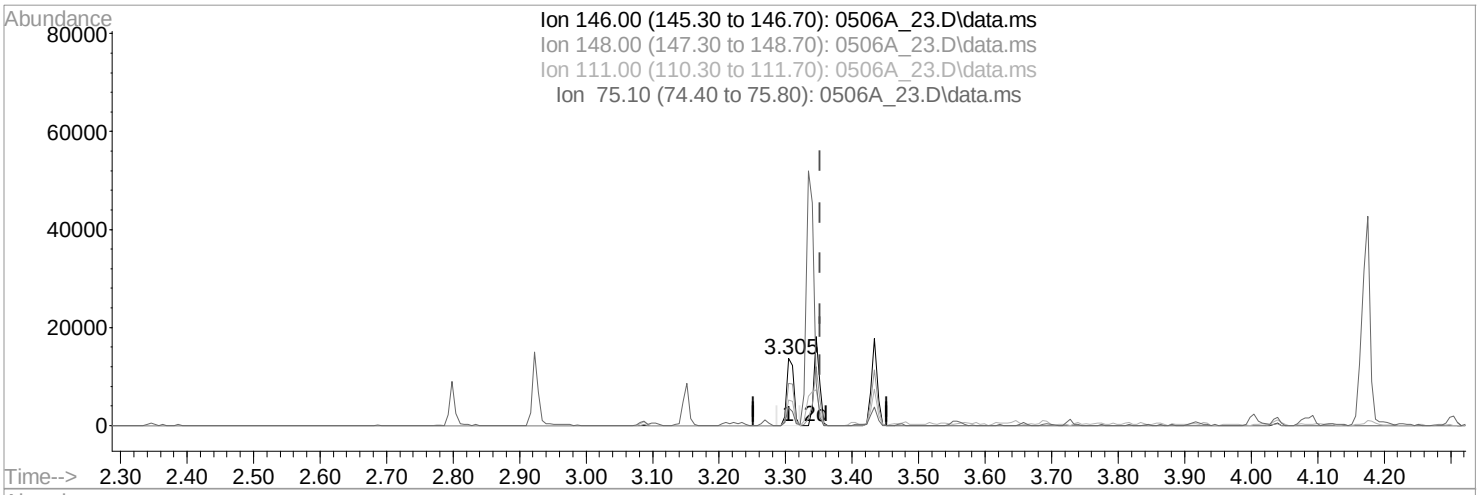
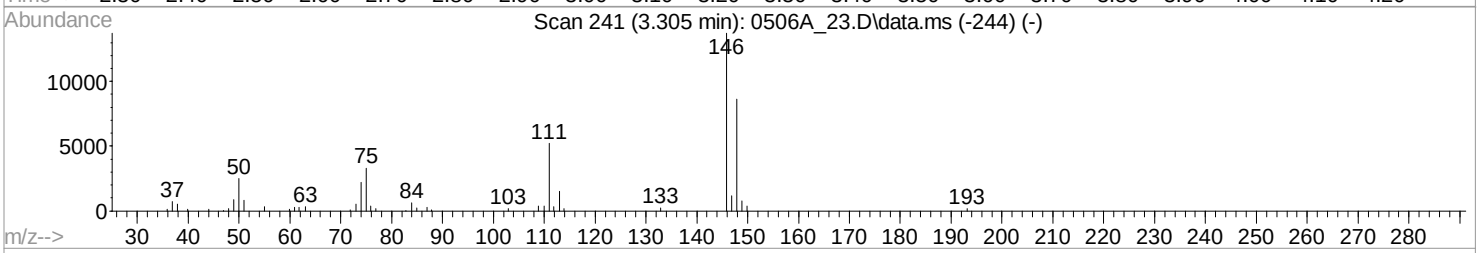
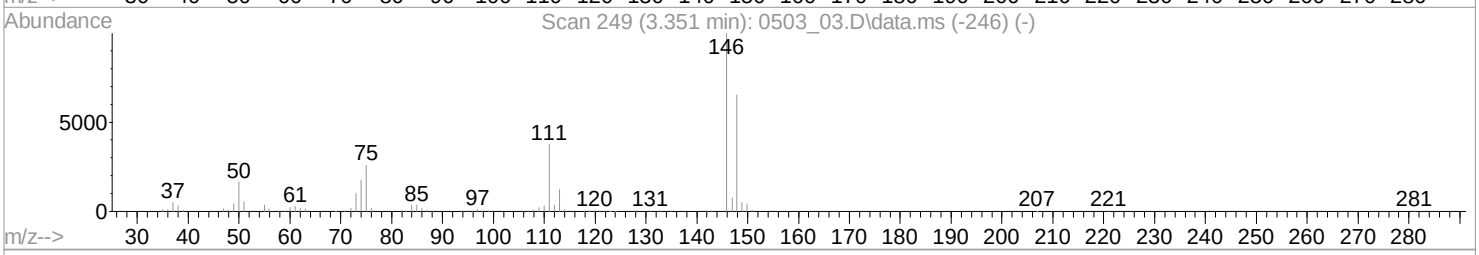
InstName : BNAMS20

Quant Time: May 08 13:03:15 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_23.D\data.ms

(13) 1,4-Dichlorobenzene (MTC)

3.305min (-0.047) 152.6850035 ppb

Qvalue = 98

response 10305

Ion	Exp%	Act%
146.00	100	100
148.00	64.10	62.88
111.00	35.40	37.81
75.10	26.00	26.04

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
Acq On : 6 May 2022 10:29 pm
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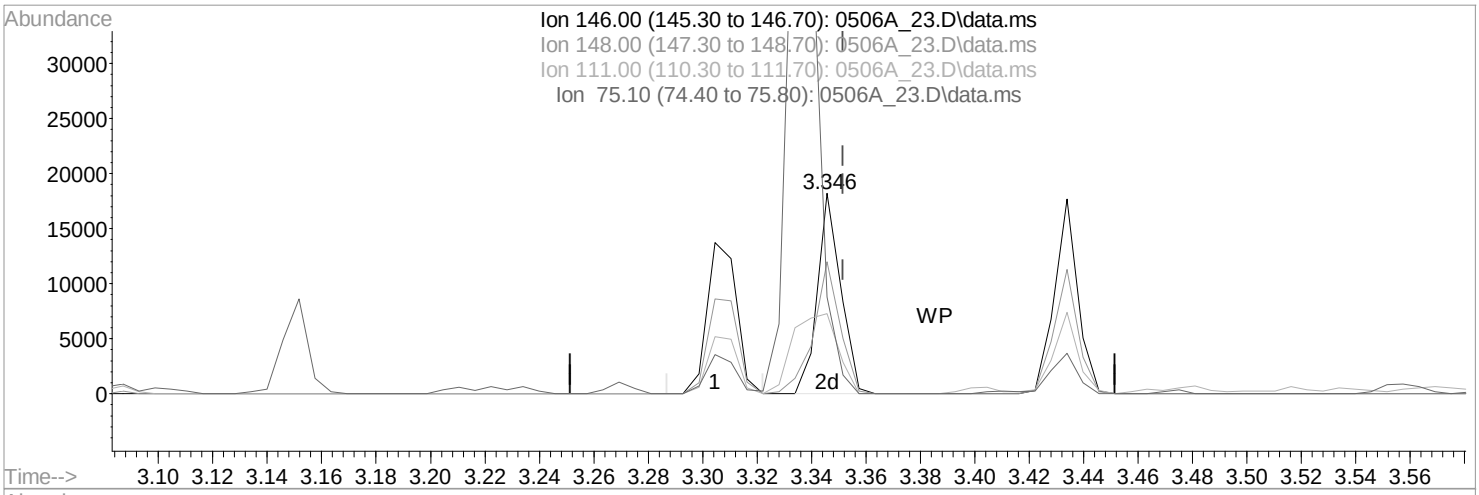
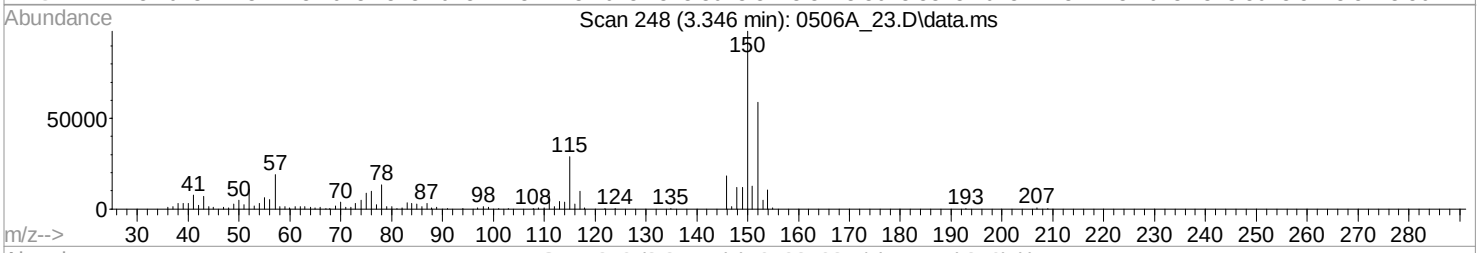
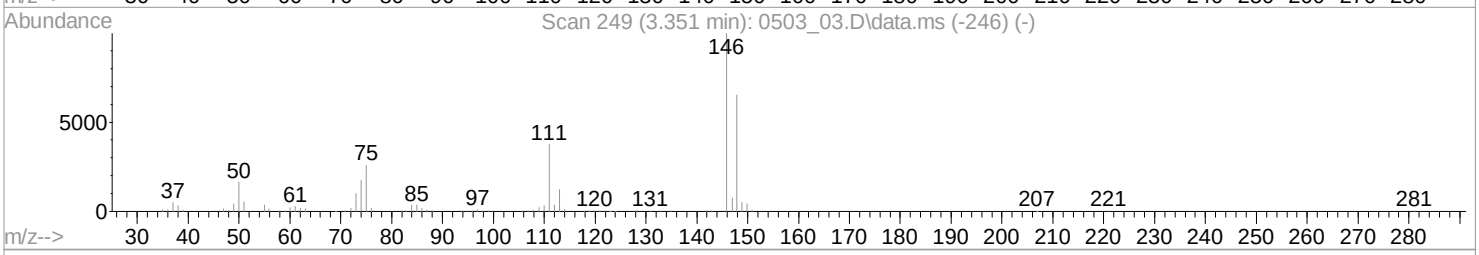
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_23.D\data.ms

(13) 1,4-Dichlorobenzene (MTC)

3.346min (-0.006) 160.3007329 ppb m

response 10819

Ion	Exp%	Act%
146.00	100	100
148.00	64.10	65.83
111.00	35.40	39.93
75.10	26.00	48.32#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
Acq On : 6 May 2022 10:29 pm
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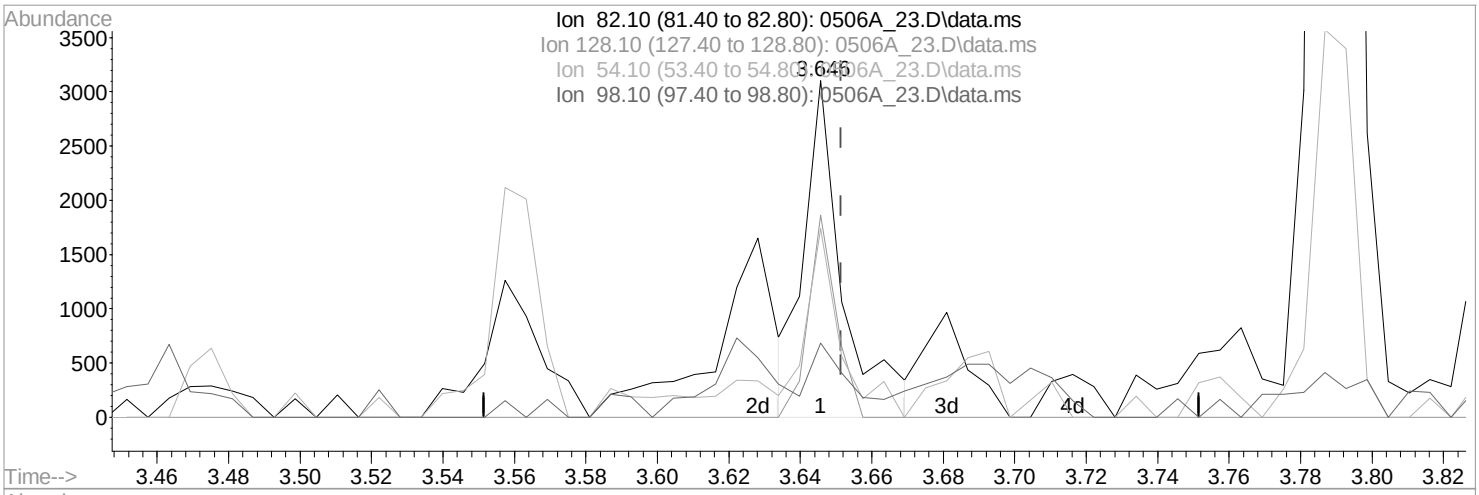
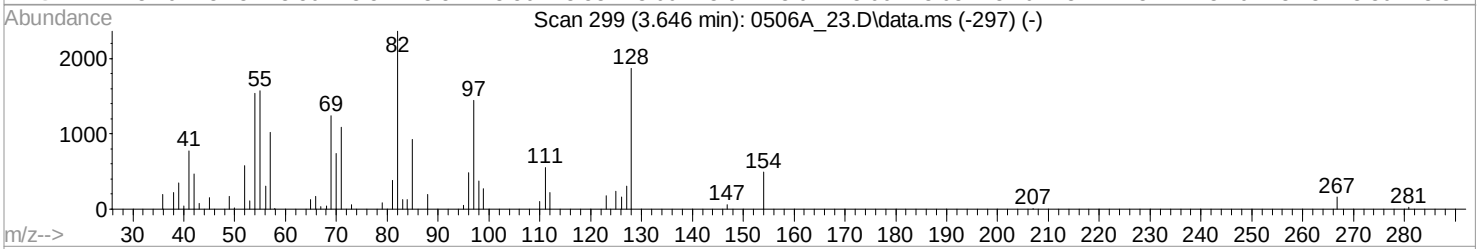
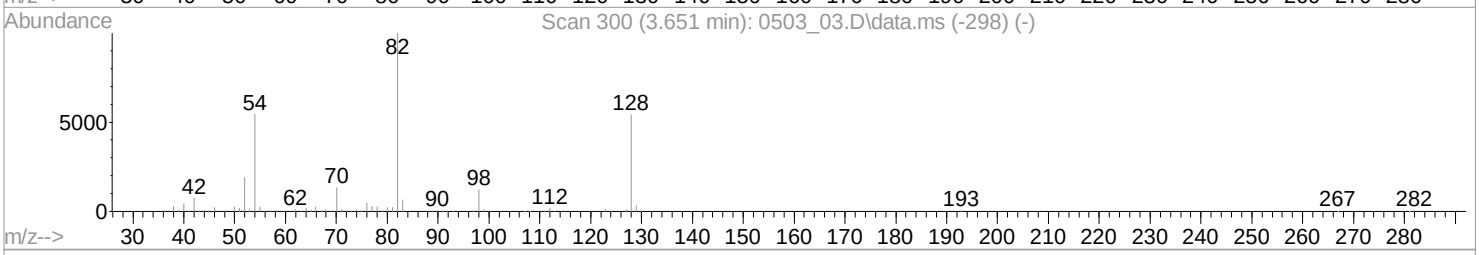
Sample : MSD 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 48 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:15 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_23.D\data.ms

(24) Nitrobenzene-d5 (S)

3.646min (-0.006) 34.7116606 ppb

Qvalue = 78

response 2310

Ion	Exp%	Act%
82.10	100	100
128.10	43.50	67.66#
54.10	54.80	63.05
98.10	11.60	16.10

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
Acq On : 6 May 2022 10:29 pm
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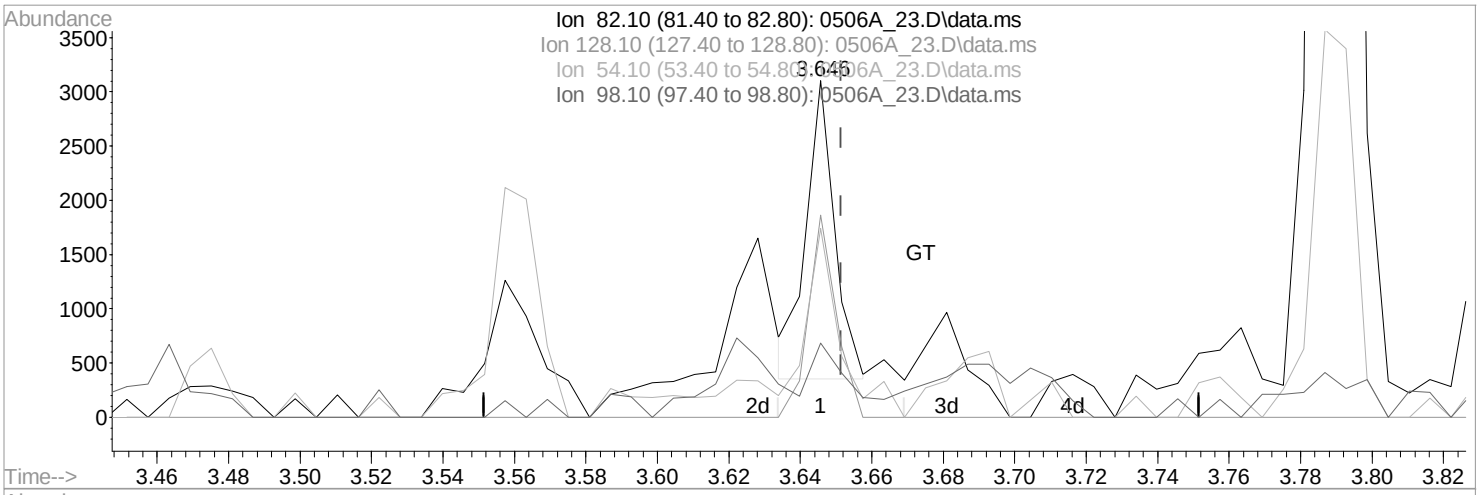
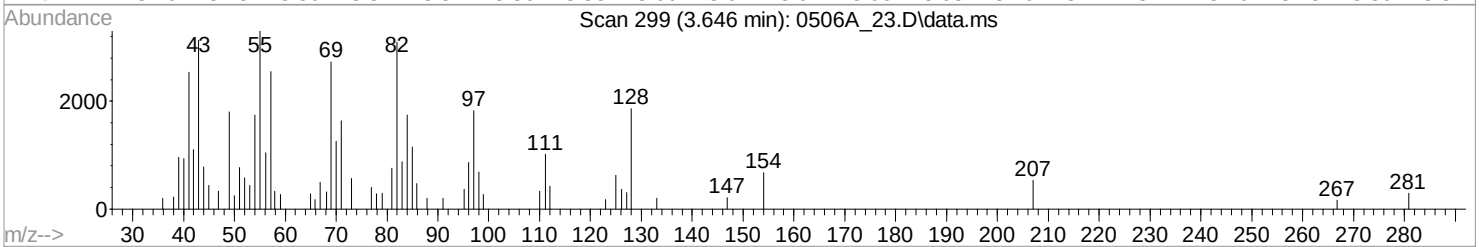
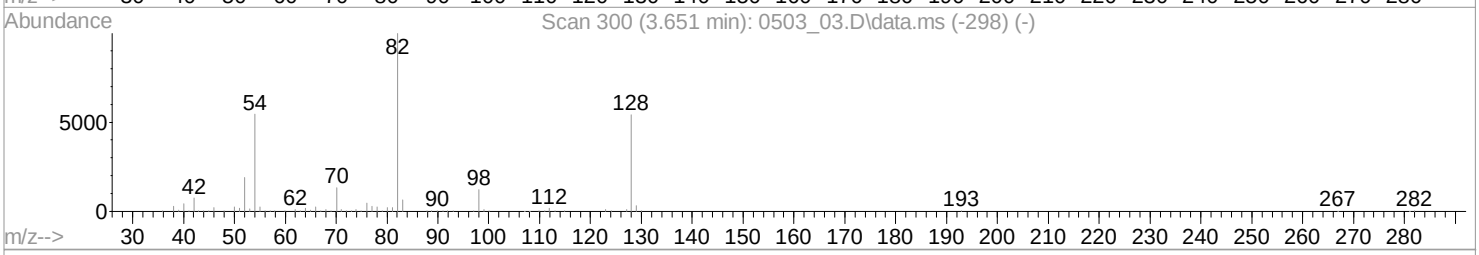
Sample : MSD 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 48 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:15 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_23.D\data.ms

(24) Nitrobenzene-d5 (S)

3.646min (-0.006) 22.5550661 ppb m

response 1501

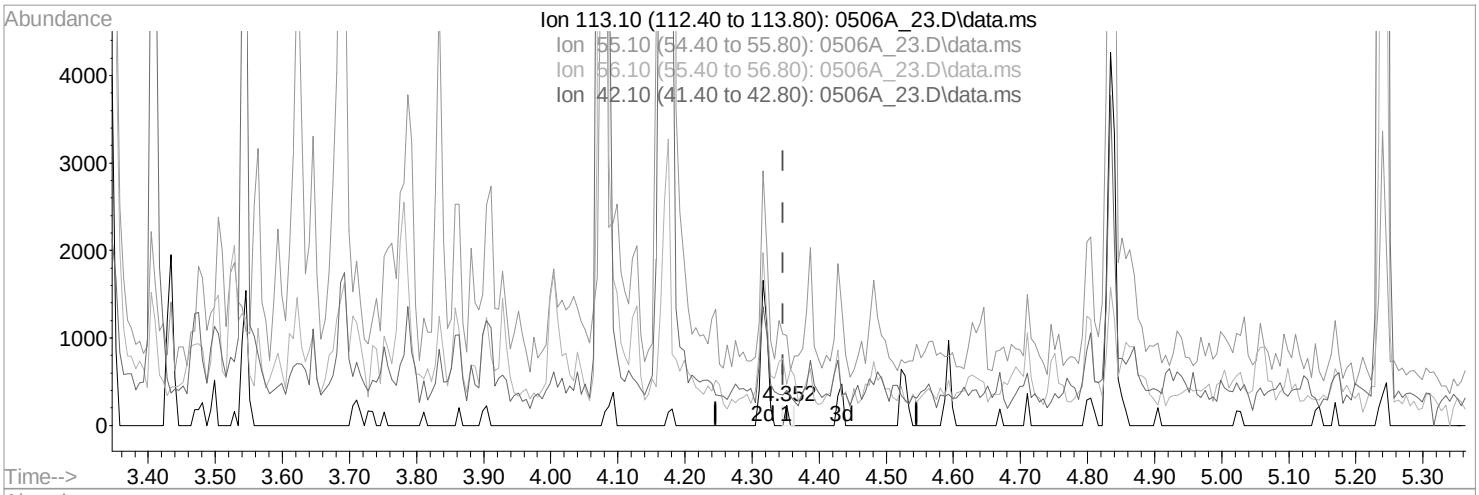
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	60.14
54.10	54.80	56.04
98.10	11.60	22.04

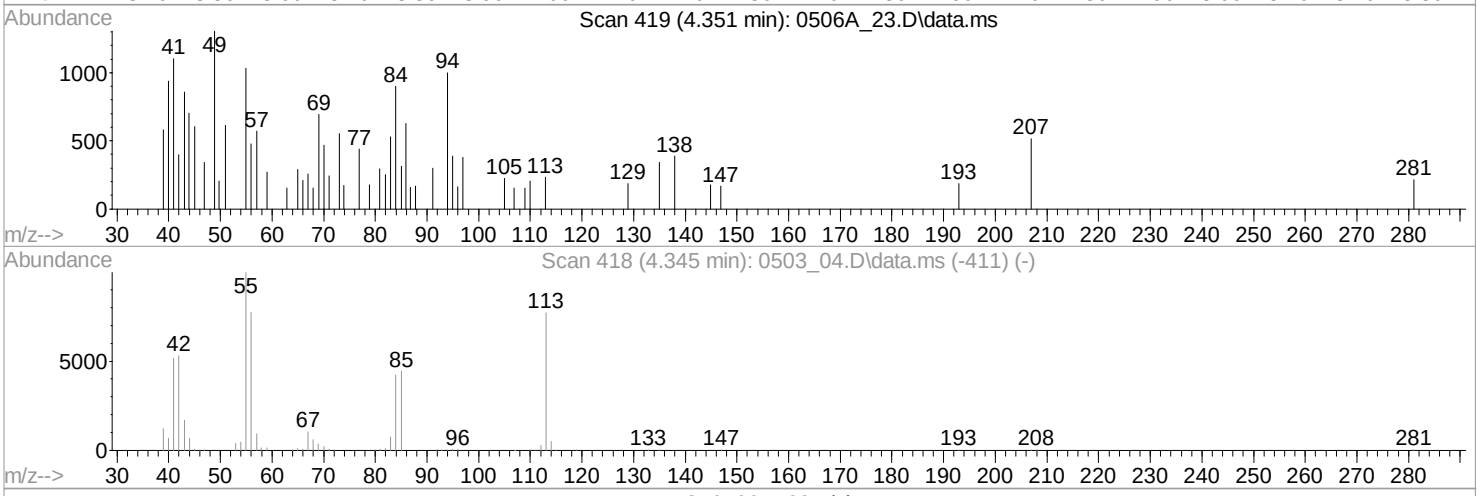
ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
Pace Analytical - Minnesota	10606561	L1488626	06/02/22 13:35	449 of 460

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
Acq On : 6 May 2022 10:29 pm
Operator : 917
Sample : MSD 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 48 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:15 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0506A_23.D\data.ms

(39) Caprolactam (MT)

4.351min (+0.006) 5.0378048 ppb

Qvalue = 1

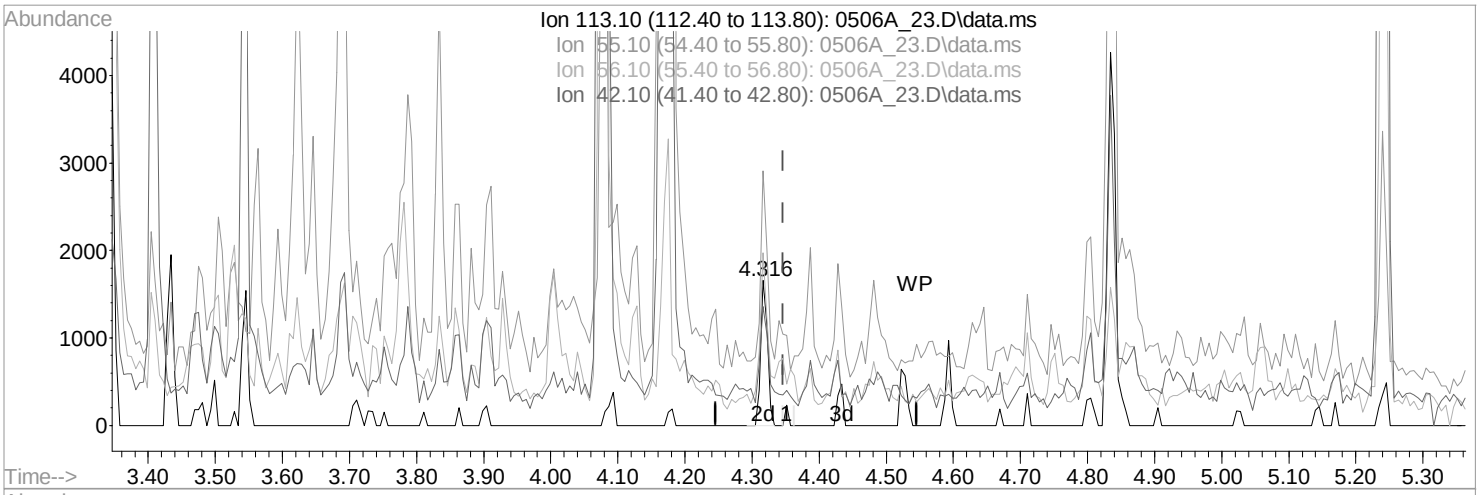
response 82

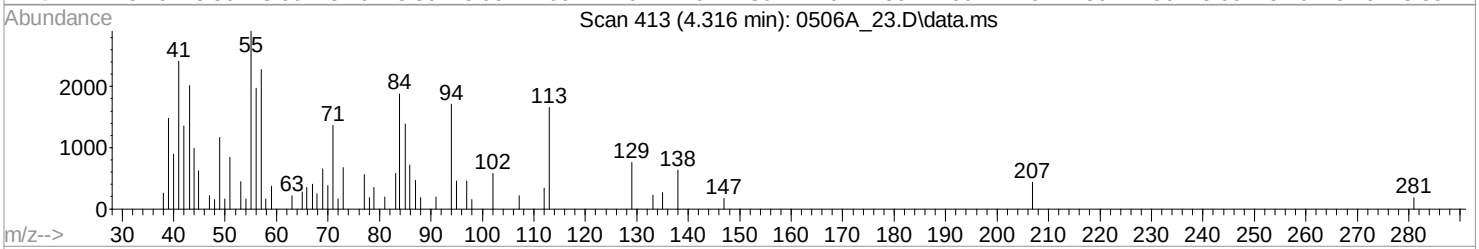
Ion	Exp%	Act%
113.10	100	100
55.10	137.40	691.46#
56.10	100.50	0.00#
42.10	84.20	0.00#

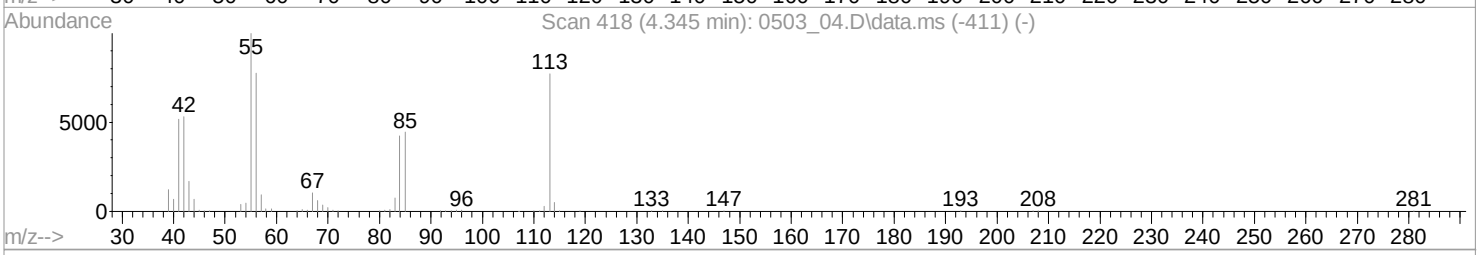
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
Acq On : 6 May 2022 10:29 pm
Operator : 917
Sample : MSD 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 48 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:15 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_23.D\data.ms

(39) Caprolactam (MT)

4.316min (-0.029) 74.1540296 ppb m

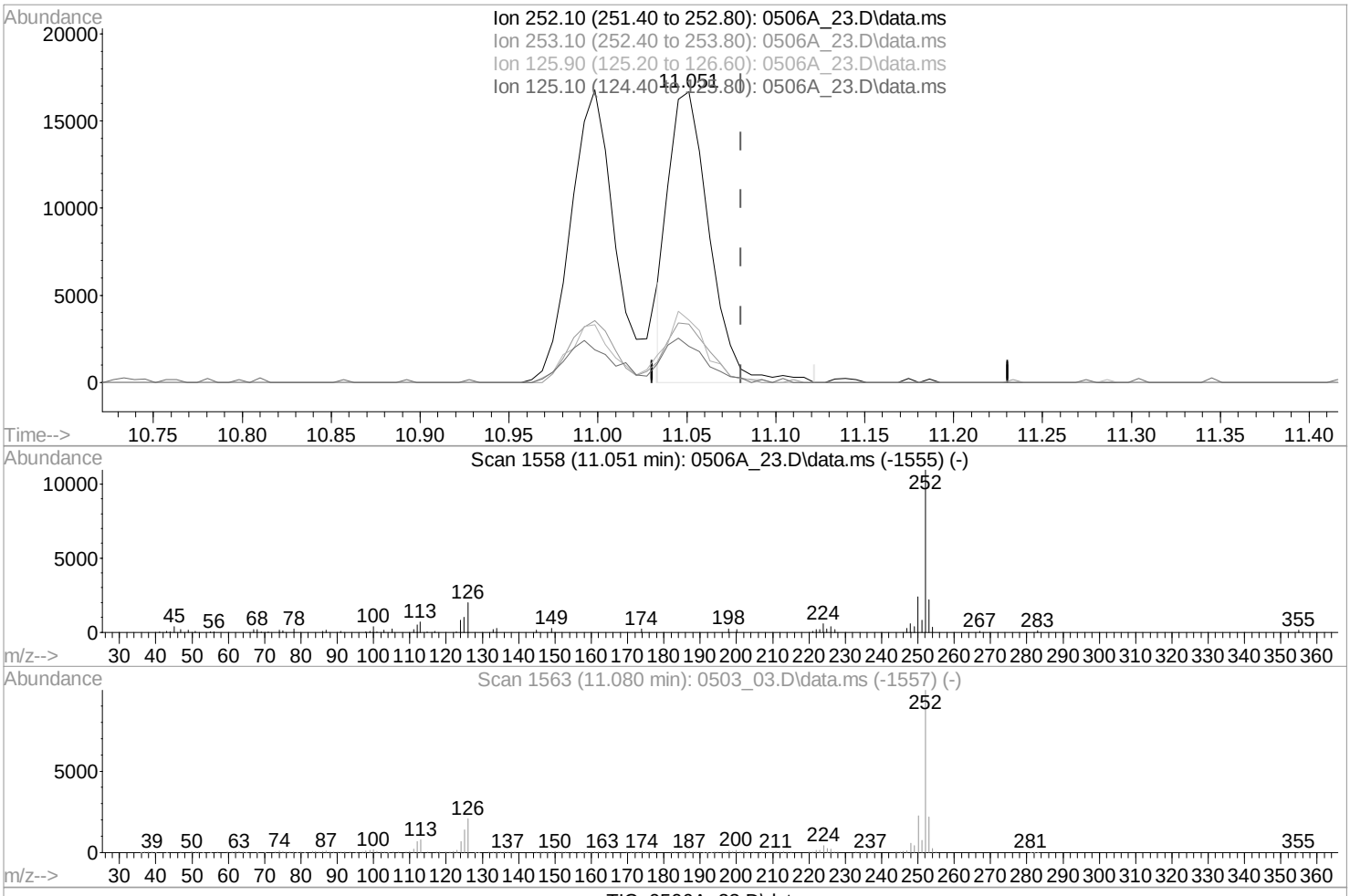
response 1207

Ion	Exp%	Act%
113.10	100	100
55.10	137.40	46.98#
56.10	100.50	0.00#
42.10	84.20	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
Acq On : 6 May 2022 10:29 pm
Operator : 917
Sample : MSD 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 48 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:15 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0506A_23.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.051min (-0.029) 172.6378361 ppb

Qvalue = 96

response 26498

Ion	Exp%	Act%
252.10	100	100
253.10	21.70	20.05
125.90	22.10	21.39
125.10	15.60	12.45

BNA RV Extractions Benchsheet

Batch: WG1858057

Process Analyst: MAB3514 **Transfer Analyst:** MAB3514 **Material Handler:** MAB3514 **Prep Start Date/Time:** 05/05/22 04:51-04:53
Prep End Date/Time: 05/05/22 11:08 **Method:** 3510C **SOP:** ENV-SOP-MTJL-0114 **pH Strip Lot#:** 10bdh1991

Na2SO4: 22E03635 Amt. Used: 1 Exp. Date:11/03/22 **MeCl2:** 22E04829 Amt. Used: 1 Exp. Date:11/04/22 **NaOH:** 22D22127 Amt. Used: 1 Exp. Date:10/22/22
H2SO4: 22D29141 Amt. Used: 1 Exp. Date:09/07/22 **Surrogate:** 22E03640 Amt. Used: 100 µL Exp. Date:08/22/22
LCS/MS Spike: 22D25449 Amt. Used: 250 µL Exp. Date:05/09/22 **Spike Syringe ID:** 22D04562 Amt. Used: 1 Exp. Date:10/04/22
Surrogate Syringe ID: 22D16198 Amt. Used: 1 Exp. Date:10/16/22

Sample Number	Prep Flags	Initial Sample Vol (mL)	Adjusted pH<2	Adjusted pH >11	Solvent Volume (mL)	Emulsion	Final Volume (mL)	Extract Color	Prep Factor	Prep Ratio	DL Adjustment Factor	Spike Factor	Surrogate Factor	Review Analyst	Review Date
BLANK		100	1	12	36	No Emulsion	0.5	Colorless	0.005	1	1	1	1	WAW3585	05/05/22 12:11:30
LCS		100	1	12	36	No Emulsion	0.5	Yellow	0.005	1	1	1	1	WAW3585	05/05/22 12:11:30
MS(L1488145-02)		100	1	12	36	No Emulsion	0.5	Yellow	0.005	1	1	1	1	WAW3585	05/05/22 12:11:30
MSD(L1488145-02)		100	1	12	36	No Emulsion	0.5	Yellow	0.005	1	1	1	1	WAW3585	05/05/22 12:11:30
1. L1487616-01		110	1	12	36	No Emulsion	0.5	Colorless	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
2. L1487616-02		110	1	12	36	No Emulsion	0.5	Colorless	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
3. L1487616-04		110	1	12	36	No Emulsion	0.5	Colorless	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
4. L1487622-01		110	NA	12	36	Light Emulsion	0.5	Yellow	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
5. L1487629-02		105	1	12	36	No Emulsion	0.5	Colorless	0.00476	0.952	1	1	1	WAW3585	05/05/22 12:11:30
6. L1487651-01		105	1	12	36	No Emulsion	0.5	Colorless	0.00476	0.952	1	1	1	WAW3585	05/05/22 12:11:30
7. L1487777-01		110	1	12	36	No Emulsion	0.5	Colorless	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
8. L1488065-01		105	1	12	36	No Emulsion	0.5	Pink	0.00476	0.952	1	1	1	WAW3585	05/05/22 12:11:30
9. L1488065-02		100	1	12	36	No Emulsion	0.5	Pink	0.005	1	1	1	1	WAW3585	05/05/22 12:11:30
10. L1488065-03		105	1	12	36	No Emulsion	0.5	Pink	0.00476	0.952	1	1	1	WAW3585	05/05/22 12:11:30
11. L1488065-04		110	1	12	36	No Emulsion	0.5	Pink	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
12. L1488065-05		110	1	12	36	No Emulsion	0.5	Pink	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
13. L1488070-01		110	1	12	36	No Emulsion	0.5	Yellow	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
14. L1488070-02		110	1	12	36	No Emulsion	0.5	Colorless	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
15. L1488077-02		110	1	12	36	No Emulsion	0.5	Colorless	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
16. L1488145-02	G6	100	1	12	36	No Emulsion	0.5	Yellow	0.005	1	1	1	1	WAW3585	05/05/22 12:11:30
17. L1488241-01		110	1	12	36	No Emulsion	0.5	Yellow	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
18. L1488241-02		110	1	12	36	No Emulsion	0.5	Colorless	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
19. L1488626-01	G6	100	1	12	36	No Emulsion	0.5	Colorless	0.005	1	1	1	1	WAW3585	05/05/22 12:11:30
20. L1488631-01	G6	100	1	12	36	No Emulsion	0.5	Colorless	0.005	1	1	1	1	WAW3585	05/05/22 12:11:30

Comments:
L1488070-01 was Na2SO4 treated

Reviewed By: WAW3585 on 05/05/22 12:11:30

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

COD	Coefficient of Determination.
Coef1	First Order Coefficient.
Coef2	Second Order Coefficient.
Corr.	Correlation Coefficient.
Incpt	Intercept.
Mass	Mass of parameter.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
RRF	Relative Response Factor.
RSD	Relative Standard Deviation.
RT	Retention Time.
SDG	Sample Delivery Group.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Slope	Slope of calibration curve.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Wavelength	Wavelength of parameter.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.
NI	Manual Integration Code to indicate that the peak was not integrated at all by the computer software.
LT	Manual Integration Code to indicate that the peak in question was inappropriately integrated to an area less than what it should be (i.e., peak area was cut).
GT	Manual Integration Code to indicate that the peak in question was inappropriately integrated to an area greater than it should be (i.e., peak tailing).
BA	Manual Integration Code to indicate that the baseline had to be adjusted correctly by the analyst.
WP	Manual Integration Code to indicate that the wrong peak was chosen.
CO	Manual Integration Code to indicate that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

RT	Manual Integration Code to indicate that the retention time for the peak in question has shifted from the expected retention time.
INT	Manual Integration Code to indicate that there was electronic interference (i.e., noise).

GLOSSARY OF TERMS

Qualifier	Description
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

C033

Internal Transfer Chain of Custody

Pace Analytical®
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: WA
Cert. Needed: [x] Yes ☐ No
Owner Received Date: 5/2/2022 Results Requested By: 5/23/2022

Workorder: 10606561 **Workorder Name:** D3593500

Report To	Subcontract To
Kongmeng Vang Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone (612)607-1700	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

Requested Analysis

AG1U BP3Z

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Preserved Containers: Other	8270 SVOC - Pace National	SW9030 Total Sulfides - Pace National	LAB USE ONLY
1	EB02-042822-02	PS	4/28/2022 12:00	10606561001	Water	2	1	X	X	-01
2										
3										
4										
5										

01488626

Transfers	Released By	Date/Time	Received By	Date/Time
1	CSM/Pace	5-2-22 15:30	[signature]	5-3-22/0930
2				
3				

Comments: OK

Cooler Temperature on Receipt 3.3 °C | **Custody Seal** (Y) or N | **Received on Ice** (Y) or N | **Samples Intact** (Y) or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

CNT: 3 TB: 0 TRACK#: 5466 · 8884 · 5111

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RAD Screen <0.5 mR/hr:	Y N		

L1488626

10606561

Pace Analytical®
www.pacelabs.com

Ship To:
Pace National
12065 Lebanon Rd
Mt. Juliet, TN 37122
Phone (615) 758-5858

INTER_LABORATORY WORK ORDER # 10606561
(To be completed by sending lab)

Sending Project No:	10606561
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	05/02/22
REQUESTED COMPLETION DATE:	**5/23/2022**

Sending Region	IR10-Minnesota	Sending Project Mgr.	Kongmeng Vang
Receiving Region	IR850-Pace National	External Client	BNSF_Jacobs_WA
State of Sample Origin	WA	QC Deliverable	PACKAGELV4

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed yes

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Unit Price	Amount
SW9030 Total Sulfides - Pace National	BP2Z		Other	1	$22.00	$22.00
8270 SVOC - Pace National	AG1U		Unpreserved	1	$130.00	$130.00
					TOTAL	$152.00

Special Requirements: Report D, QC Limits, MDLs (D),Jacobs UPRR EQEDD (1579)

Receiving Region Department	Acctg. Code	Totals from above	Revenue Allocation	
			Receiving Region (80%)	Client Services Dept. Sending Region (20%)
Wet Chemistry	21	$22.00	$17.60	$4.40
GC/MS Semivolatiles	30	$130.00	$104.00	$26.00
* Custom Revenue Allocation	**TOTAL**	$152.00	$121.60	$30.40

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☒ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

1170 of 1171

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

May 24, 2022

Bernice Kidd
Jacobs Engineering
2525 Air Park Drive
Redding, CA 96001

RE: Project: D3593500
Pace Project No.: 10606563

Dear Bernice Kidd:

Enclosed are the analytical results for sample(s) received by the laboratory on May 02, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kongmeng Vang
kongmeng.vang@pacelabs.com
(612)607-1700
Project Manager

Enclosures

cc: Kris Ivarson, Jacobs
Jennifer Ulrich, Jacobs

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: D3593500
Pace Project No.: 10606563

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: D3593500
Pace Project No.: 10606563

Pace Analytical Services National

Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

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SAMPLE SUMMARY

Project: D3593500
Pace Project No.: 10606563

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10606563001	**EB01-042822-01**	Water	04/28/22 10:50	05/02/22 08:50

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SAMPLE ANALYTE COUNT

Project: D3593500
Pace Project No.: 10606563

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10606563001	**EB01-042822-01**	NWTPH-Dx	EB3	4	PASI-M
		EPA 6020B	PW1	9	PASI-M
		EPA 7470A	LMW	1	PASI-M
		EPA 8270E	JNJ	33	PAN
		SM 4500-S2D	SMW	1	PAN
		EPA 350.1	JFP	1	PASI-M

PAN = Pace National - Mt. Juliet
PASI-M = Pace Analytical Services - Minneapolis

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SUMMARY OF DETECTION

Project: D3593500
Pace Project No.: 10606563

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10606563001	**EB01-042822-01**					
EPA 6020B	Chromium	0.43J	ug/L	2.0	05/17/22 15:12	
EPA 6020B	Lead	0.091J	ug/L	0.50	05/17/22 15:12	
EPA 6020B	Silver	0.25J	ug/L	0.50	05/17/22 15:12	

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ANALYTICAL RESULTS

Project: D3593500
Pace Project No.: 10606563

Sample: EB01-042822-01 **Lab ID: 10606563001** Collected: 04/28/22 10:50 Received: 05/02/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
Diesel Fuel Range	ND	mg/L	0.42	0.12	1	05/03/22 18:24	05/11/22 21:52	68334-30-5	
Motor Oil Range	ND	mg/L	0.42	0.19	1	05/03/22 18:24	05/11/22 21:52		
Surrogates									
o-Terphenyl (S)	65	%.	50-150		1	05/03/22 18:24	05/11/22 21:52	84-15-1	
n-Triacontane (S)	53	%.	50-150		1	05/03/22 18:24	05/11/22 21:52		
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3020A Pace Analytical Services - Minneapolis								
Arsenic	ND	ug/L	0.50	0.083	1	05/04/22 11:20	05/17/22 15:12	7440-38-2	
Cadmium	ND	ug/L	0.080	0.016	1	05/04/22 11:20	05/17/22 15:12	7440-43-9	
Chromium	**0.43J**	ug/L	2.0	0.25	1	05/04/22 11:20	05/17/22 15:12	7440-47-3	
Copper	ND	ug/L	1.0	0.50	1	05/04/22 11:20	05/17/22 15:12	7440-50-8	
Lead	**0.091J**	ug/L	0.50	0.028	1	05/04/22 11:20	05/17/22 15:12	7439-92-1	
Nickel	ND	ug/L	0.50	0.17	1	05/04/22 11:20	05/17/22 15:12	7440-02-0	
Selenium	ND	ug/L	0.50	0.067	1	05/04/22 11:20	05/17/22 15:12	7782-49-2	
Silver	**0.25J**	ug/L	0.50	0.16	1	05/04/22 11:20	05/17/22 15:12	7440-22-4	
Zinc	ND	ug/L	5.0	2.0	1	05/04/22 11:20	05/17/22 15:12	7440-66-6	
7470A Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Minneapolis								
Mercury	ND	ug/L	0.20	0.095	1	05/05/22 14:11	05/10/22 13:24	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet								
Acenaphthene	ND	ug/L	1.00	0.0886	1	05/05/22 04:53	05/05/22 15:31	83-32-9	G6
Acenaphthylene	ND	ug/L	1.00	0.0921	1	05/05/22 04:53	05/05/22 15:31	208-96-8	G6
Anthracene	ND	ug/L	1.00	0.0804	1	05/05/22 04:53	05/05/22 15:31	120-12-7	G6
Benzoic acid	ND	ug/L	50.0	1.70	1	05/05/22 04:53	05/05/22 15:31	65-85-0	G6
Benzo(a)anthracene	ND	ug/L	1.00	0.199	1	05/05/22 04:53	05/05/22 15:31	56-55-3	G6
Benzo(b)fluoranthene	ND	ug/L	1.00	0.130	1	05/05/22 04:53	05/05/22 15:31	205-99-2	G6
Benzo(k)fluoranthene	ND	ug/L	1.00	0.120	1	05/05/22 04:53	05/05/22 15:31	207-08-9	G6
Benzo(g,h,i)perylene	ND	ug/L	1.00	0.121	1	05/05/22 04:53	05/05/22 15:31	191-24-2	G6
Benzo(a)pyrene	ND	ug/L	1.00	0.0381	1	05/05/22 04:53	05/05/22 15:31	50-32-8	G6
Carbazole	ND	ug/L	10.0	0.111	1	05/05/22 04:53	05/05/22 15:31	86-74-8	G6
Chrysene	ND	ug/L	1.00	0.130	1	05/05/22 04:53	05/05/22 15:31	218-01-9	G6
Dibenz(a,h)anthracene	ND	ug/L	1.00	0.0644	1	05/05/22 04:53	05/05/22 15:31	53-70-3	G6
Dibenzofuran	ND	ug/L	10.0	0.0970	1	05/05/22 04:53	05/05/22 15:31	132-64-9	G6
Fluorene	ND	ug/L	1.00	0.0844	1	05/05/22 04:53	05/05/22 15:31	86-73-7	G6
Fluoranthene	ND	ug/L	1.00	0.102	1	05/05/22 04:53	05/05/22 15:31	206-44-0	G6
Indeno(1,2,3-cd)pyrene	ND	ug/L	1.00	0.279	1	05/05/22 04:53	05/05/22 15:31	193-39-5	G6
1-Methylnaphthalene	ND	ug/L	1.00	0.0790	1	05/05/22 04:53	05/05/22 15:31	90-12-0	G6
2-Methylnaphthalene	ND	ug/L	1.00	0.117	1	05/05/22 04:53	05/05/22 15:31	91-57-6	G6
Phenanthrene	ND	ug/L	1.00	0.112	1	05/05/22 04:53	05/05/22 15:31	85-01-8	G6
Pyrene	ND	ug/L	1.00	0.107	1	05/05/22 04:53	05/05/22 15:31	129-00-0	G6
Naphthalene	ND	ug/L	1.00	0.159	1	05/05/22 04:53	05/05/22 15:31	91-20-3	G6

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ANALYTICAL RESULTS

Project: D3593500
Pace Project No.: 10606563

Sample: EB01-042822-01 **Lab ID: 10606563001** Collected: 04/28/22 10:50 Received: 05/02/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet								
bis(2-Ethylhexyl)phthalate	ND	ug/L	3.00	0.895	1	05/05/22 04:53	05/05/22 15:31	117-81-7	G6
Di-n-butylphthalate	ND	ug/L	3.00	0.453	1	05/05/22 04:53	05/05/22 15:31	84-74-2	G6
Di-n-octylphthalate	ND	ug/L	3.00	0.932	1	05/05/22 04:53	05/05/22 15:31	117-84-0	G6
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	0.168	1	05/05/22 04:53	05/05/22 15:31		G6
Pentachlorophenol	ND	ug/L	10.0	0.313	1	05/05/22 04:53	05/05/22 15:31	87-86-5	G6
Phenol	ND	ug/L	10.0	4.33	1	05/05/22 04:53	05/05/22 15:31	108-95-2	G6
Surrogates									
2-Fluorophenol (S)	23.6	%	10.0-120		1	05/05/22 04:53	05/05/22 15:31	367-12-4	
Phenol-d5 (S)	15.1	%	10.0-120		1	05/05/22 04:53	05/05/22 15:31	4165-62-2	
Nitrobenzene-d5 (S)	50.6	%	10.0-127		1	05/05/22 04:53	05/05/22 15:31	4165-60-0	
2-Fluorobiphenyl (S)	44.3	%	10.0-130		1	05/05/22 04:53	05/05/22 15:31	321-60-8	
2,4,6-Tribromophenol (S)	51.5	%	10.0-155		1	05/05/22 04:53	05/05/22 15:31	118-79-6	
p-Terphenyl-d14 (S)	58.5	%	10.0-128		1	05/05/22 04:53	05/05/22 15:31	1718-51-0	
Wet Chemistry 4500S2 D-2011	Analytical Method: SM 4500-S2D Preparation Method: 4500S2 D-2011 Pace National - Mt. Juliet								
Sulfide	ND	ug/L	50.0	25.0	1	05/13/22 18:13	05/13/22 18:13	18496-25-8	H1
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Minneapolis								
Nitrogen, Ammonia	ND	mg/L	0.10	0.015	1		05/16/22 14:35	7664-41-7	

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QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606563

QC Batch: 812985
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470A Mercury Water
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10606563001

METHOD BLANK: 4310706 Matrix: Water
Associated Lab Samples: 10606563001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.095	05/10/22 12:59	

LABORATORY CONTROL SAMPLE: 4310707

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4310708 4310709

Parameter	Units	10606199002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.095	5	5	5.1	5.2	102	103	80-120	1	20	

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QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606563

QC Batch: 812961
QC Batch Method: EPA 3020A
Analysis Method: EPA 6020B
Analysis Description: 6020B Water UPD5
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10606563001

METHOD BLANK: 4310637 Matrix: Water
Associated Lab Samples: 10606563001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	ND	0.50	0.083	05/17/22 14:47	
Cadmium	ug/L	ND	0.080	0.016	05/17/22 14:47	
Chromium	ug/L	ND	2.0	0.25	05/17/22 14:47	
Copper	ug/L	ND	1.0	0.50	05/17/22 14:47	
Lead	ug/L	ND	0.50	0.028	05/17/22 14:47	
Nickel	ug/L	ND	0.50	0.17	05/17/22 14:47	
Selenium	ug/L	ND	0.50	0.067	05/17/22 14:47	
Silver	ug/L	ND	0.50	0.16	05/17/22 14:47	
Zinc	ug/L	ND	5.0	2.0	05/17/22 14:47	

LABORATORY CONTROL SAMPLE: 4310638

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	100	103	103	80-120	
Cadmium	ug/L	100	106	106	80-120	
Chromium	ug/L	100	110	110	80-120	
Copper	ug/L	100	111	111	80-120	
Lead	ug/L	100	110	110	80-120	
Nickel	ug/L	100	112	112	80-120	
Selenium	ug/L	100	106	106	80-120	
Silver	ug/L	50	52.3	105	80-120	
Zinc	ug/L	100	109	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4310639 4310640

Parameter	Units	10606561001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	100	100	102	102	102	102	75-125	0	20	
Cadmium	ug/L	ND	100	100	104	107	104	107	75-125	2	20	
Chromium	ug/L	0.46J	100	100	109	110	108	109	75-125	1	20	
Copper	ug/L	ND	100	100	109	110	109	110	75-125	1	20	
Lead	ug/L	0.041J	100	100	110	111	110	111	75-125	1	20	
Nickel	ug/L	ND	100	100	111	112	111	112	75-125	1	20	
Selenium	ug/L	ND	100	100	102	103	102	103	75-125	2	20	
Silver	ug/L	0.22J	50	50	52.1	53.0	104	106	75-125	2	20	
Zinc	ug/L	ND	100	100	111	109	109	107	75-125	1	20	

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QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606563

QC Batch: 1858057
QC Batch Method: 3510C
Analysis Method: EPA 8270E
Analysis Description: SVOA (GC/MS) 8270E
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 10606563001

METHOD BLANK: R3788956-2 Matrix: Water
Associated Lab Samples: 10606563001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.00	0.0886	05/05/22 12:22	
Acenaphthylene	ug/L	ND	1.00	0.0921	05/05/22 12:22	
Anthracene	ug/L	ND	1.00	0.0804	05/05/22 12:22	
Benzoic acid	ug/L	ND	50.0	1.70	05/05/22 12:22	
Benzo(a)anthracene	ug/L	ND	1.00	0.199	05/05/22 12:22	
Benzo(b)fluoranthene	ug/L	ND	1.00	0.130	05/05/22 12:22	
Benzo(k)fluoranthene	ug/L	ND	1.00	0.120	05/05/22 12:22	
Benzo(g,h,i)perylene	ug/L	ND	1.00	0.121	05/05/22 12:22	
Benzo(a)pyrene	ug/L	ND	1.00	0.0381	05/05/22 12:22	
Carbazole	ug/L	ND	10.0	0.111	05/05/22 12:22	
Chrysene	ug/L	ND	1.00	0.130	05/05/22 12:22	
Dibenz(a,h)anthracene	ug/L	ND	1.00	0.0644	05/05/22 12:22	
Dibenzofuran	ug/L	ND	10.0	0.0970	05/05/22 12:22	
Fluorene	ug/L	ND	1.00	0.0844	05/05/22 12:22	
Fluoranthene	ug/L	ND	1.00	0.102	05/05/22 12:22	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1.00	0.279	05/05/22 12:22	
1-Methylnaphthalene	ug/L	ND	1.00	0.0790	05/05/22 12:22	
2-Methylnaphthalene	ug/L	ND	1.00	0.117	05/05/22 12:22	
Phenanthrene	ug/L	ND	1.00	0.112	05/05/22 12:22	
Pyrene	ug/L	ND	1.00	0.107	05/05/22 12:22	
Naphthalene	ug/L	ND	1.00	0.159	05/05/22 12:22	
bis(2-Ethylhexyl)phthalate	ug/L	ND	3.00	0.895	05/05/22 12:22	
Di-n-butylphthalate	ug/L	ND	3.00	0.453	05/05/22 12:22	
Di-n-octylphthalate	ug/L	ND	3.00	0.932	05/05/22 12:22	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	0.168	05/05/22 12:22	
Pentachlorophenol	ug/L	ND	10.0	0.313	05/05/22 12:22	
Phenol	ug/L	ND	10.0	4.33	05/05/22 12:22	
2-Fluorophenol (S)	%	24.2	10.0-120		05/05/22 12:22	
Phenol-d5 (S)	%	16.6	10.0-120		05/05/22 12:22	
Nitrobenzene-d5 (S)	%	63.6	10.0-127		05/05/22 12:22	
2-Fluorobiphenyl (S)	%	55.6	10.0-130		05/05/22 12:22	
2,4,6-Tribromophenol (S)	%	50	10.0-155		05/05/22 12:22	
p-Terphenyl-d14 (S)	%	58.9	10.0-128		05/05/22 12:22	

LABORATORY CONTROL SAMPLE: R3788956-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	50.0	29.0	58.0	41.0-120	
Acenaphthylene	ug/L	50.0	31.1	62.2	43.0-120	

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QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606563

LABORATORY CONTROL SAMPLE: R3788956-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	ug/L	50.0	30.3	60.6	45.0-120	
Benzoic acid	ug/L	100	10.8	10.8	10.0-120	
Benzo(a)anthracene	ug/L	50.0	33.2	66.4	47.0-120	
Benzo(b)fluoranthene	ug/L	50.0	33.0	66.0	46.0-120	
Benzo(k)fluoranthene	ug/L	50.0	34.2	68.4	46.0-120	
Benzo(g,h,i)perylene	ug/L	50.0	32.8	65.6	48.0-121	
Benzo(a)pyrene	ug/L	50.0	33.7	67.4	47.0-120	
Carbazole	ug/L	50.0	31.4	62.8	51.0-122	
Chrysene	ug/L	50.0	32.9	65.8	48.0-120	
Dibenz(a,h)anthracene	ug/L	50.0	32.4	64.8	47.0-120	
Dibenzofuran	ug/L	50.0	30.7	61.4	44.0-120	
Fluorene	ug/L	50.0	30.9	61.8	47.0-120	
Fluoranthene	ug/L	50.0	32.8	65.6	51.0-120	
Indeno(1,2,3-cd)pyrene	ug/L	50.0	31.1	62.2	49.0-122	
1-Methylnaphthalene	ug/L	50.0	26.4	52.8	33.0-120	
2-Methylnaphthalene	ug/L	50.0	25.6	51.2	33.0-120	
Phenanthrene	ug/L	50.0	30.0	60.0	46.0-120	
Pyrene	ug/L	50.0	30.8	61.6	47.0-120	
Naphthalene	ug/L	50.0	25.1	50.2	27.0-120	
bis(2-Ethylhexyl)phthalate	ug/L	50.0	29.2	58.4	43.0-122	
Di-n-butylphthalate	ug/L	50.0	30.5	61.0	49.0-121	
Di-n-octylphthalate	ug/L	50.0	29.4	58.8	42.0-125	
3&4-Methylphenol(m&p Cresol)	ug/L	50.0	22.8	45.6	31.0-120	
Pentachlorophenol	ug/L	50.0	35.2	70.4	23.0-120	
Phenol	ug/L	50.0	9.32	18.6	10.0-120	
2-Fluorophenol (S)	%			26.3	10.0-120	
Phenol-d5 (S)	%			16.4	10.0-120	
Nitrobenzene-d5 (S)	%			53.1	10.0-127	
2-Fluorobiphenyl (S)	%			51.6	10.0-130	
2,4,6-Tribromophenol (S)	%			60.5	10.0-155	
p-Terphenyl-d14 (S)	%			54.4	10.0-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3789362-1 R3789362-2

Parameter	Units	L1488145-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	50.0	50.0	45.6	47.3	91.2	94.6	28.0-120	3.66	25	
Acenaphthylene	ug/L	ND	50.0	50.0	48.1	49.2	96.2	98.4	31.0-121	2.26	25	
Anthracene	ug/L	ND	50.0	50.0	46.7	47.9	93.4	95.8	36.0-120	2.54	23	
Benzoic acid	ug/L	90.8	100	100	146	140	55.2	49.2	10.0-120	4.20	40	
Benzo(a)anthracene	ug/L	ND	50.0	50.0	44.8	46.9	89.6	93.8	39.0-120	4.58	23	
Benzo(b)fluoranthene	ug/L	ND	50.0	50.0	43.1	45.0	86.2	90.0	37.0-120	4.31	23	
Benzo(k)fluoranthene	ug/L	ND	50.0	50.0	45.4	47.9	90.8	95.8	37.0-120	5.36	26	
Benzo(g,h,i)perylene	ug/L	ND	50.0	50.0	40.1	40.5	80.2	81.0	37.0-123	0.993	25	
Benzo(a)pyrene	ug/L	ND	50.0	50.0	46.6	49.4	93.2	98.8	37.0-120	5.83	24	

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606563

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		R3789362-1			R3789362-2							
Parameter	Units	L1488145-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Carbazole	ug/L	ND	50.0	50.0	45.2	46.8	90.4	93.6	38.0-127	3.48	21	
Chrysene	ug/L	ND	50.0	50.0	43.1	44.7	86.2	89.4	38.0-120	3.64	23	
Dibenz(a,h)anthracene	ug/L	ND	50.0	50.0	31.4	35.0	62.8	70.0	36.0-121	10.8	24	
Dibenzofuran	ug/L	ND	50.0	50.0	47.4	48.9	94.8	97.8	32.0-120	3.12	26	
Fluorene	ug/L	ND	50.0	50.0	44.3	47.2	88.6	94.4	37.0-120	6.34	24	
Fluoranthene	ug/L	ND	50.0	50.0	48.6	49.6	97.2	99.2	41.0-121	2.04	22	
Indeno(1,2,3-cd)pyrene	ug/L	ND	50.0	50.0	40.7	40.8	81.4	81.6	38.0-125	0.245	24	
1-Methylnaphthalene	ug/L	ND	50.0	50.0	45.4	47.2	90.8	94.4	11.0-120	3.89	27	
2-Methylnaphthalene	ug/L	ND	50.0	50.0	44.1	44.3	88.2	88.6	17.0-120	0.452	28	
Phenanthrene	ug/L	ND	50.0	50.0	47.1	50.3	94.2	101	33.0-120	6.57	22	
Pyrene	ug/L	ND	50.0	50.0	51.1	53.8	102	108	39.0-120	5.15	22	
Naphthalene	ug/L	ND	50.0	50.0	44.4	46.0	88.8	92.0	10.0-120	3.54	31	
bis(2-Ethylhexyl)phthalate	ug/L	ND	50.0	50.0	ND	ND	0.00	0.00	33.0-126	0.00	25	ML
Di-n-butylphthalate	ug/L	ND	50.0	50.0	48.9	51.6	97.8	103	35.0-128	5.37	23	
Di-n-octylphthalate	ug/L	ND	50.0	50.0	75.6	76.8	151	154	25.0-135	1.57	26	MH
3&4-Methylphenol(m&p Cresol)	ug/L	165	50.0	50.0	205	199	80.0	68.0	10.0-120	2.97	36	
Pentachlorophenol	ug/L	ND	50.0	50.0	53.9	55.8	108	112	10.0-128	3.46	37	
Phenol	ug/L	1870	50.0	50.0	2010	1940	280	140	10.0-120	3.54	40	P6
2-Fluorophenol (S)	%						37.2	36.1	10.0-120			S4
Phenol-d5 (S)	%						26.1	28.6	10.0-120			S4
Nitrobenzene-d5 (S)	%						56.2	56.4	10.0-127			S4
2-Fluorobiphenyl (S)	%						80.5	88.9	10.0-130			S4
2,4,6-Tribromophenol (S)	%						92.5	86.5	10.0-155			S4
p-Terphenyl-d14 (S)	%						96.0	102	10.0-128			S4

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606563

QC Batch: 812885
QC Batch Method: EPA Mod. 3510C
Analysis Method: NWTPH-Dx
Analysis Description: NWTPH-Dx GCS LV
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10606563001

METHOD BLANK: 4310138 Matrix: Water
Associated Lab Samples: 10606563001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Diesel Fuel Range	mg/L	ND	0.40	0.12	05/11/22 20:55	
Motor Oil Range	mg/L	ND	0.40	0.18	05/11/22 20:55	
n-Triacontane (S)	%.	64	50-150		05/11/22 20:55	
o-Terphenyl (S)	%.	79	50-150		05/11/22 20:55	

LABORATORY CONTROL SAMPLE & LCSD: 4310139 4310140

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Fuel Range	mg/L	2	1.4	1.7	70	83	50-150	17	20	
Motor Oil Range	mg/L	2	1.5	1.8	77	90	50-150	15	20	
n-Triacontane (S)	%.				65	74	50-150			
o-Terphenyl (S)	%.				79	89	50-150			

SAMPLE DUPLICATE: 4310141

Parameter	Units	10606561001 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range	mg/L	ND	ND		30	
Motor Oil Range	mg/L	ND	ND		30	
n-Triacontane (S)	%.	73	67			
o-Terphenyl (S)	%.	63	62			P1

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QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606563

QC Batch: 1862545
QC Batch Method: 4500S2 D-2011
Analysis Method: SM 4500-S2D
Analysis Description: Wet Chemistry 4500S2 D-2011
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10606563001

METHOD BLANK: R3791750-1 Matrix: Water
Associated Lab Samples: 10606563001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	ug/L	ND	50.0	25.0	05/13/22 17:58	

LABORATORY CONTROL SAMPLE: R3791750-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	ug/L	500	555	111	85.0-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3791750-4 R3791750-5

Parameter	Units	L1488096-07 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	ug/L	ND	500	500	556	558	111	112	80.0-120	0.359	20	

SAMPLE DUPLICATE: R3791750-3

Parameter	Units	L1488096-01 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide	ug/L	ND	ND	0.00	20	

SAMPLE DUPLICATE: R3791750-6

Parameter	Units	L1488730-05 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide	ug/L	ND	ND	0.00	20	

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QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606563

QC Batch: 1862545
QC Batch Method: 4500 S2 D-2011/4500S2 D-2011
Analysis Method: SM 4500-S2D
Analysis Description: Wet Chemistry 4500S2 D-2011
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10606563001

METHOD BLANK: R3791750-1 Matrix: Water
Associated Lab Samples: 10606563001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	ug/L	ND	50.0	25.0	05/13/22 17:58	

LABORATORY CONTROL SAMPLE: R3791750-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	ug/L	500	555	111	85.0-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3791750-4 R3791750-5

Parameter	Units	L1488096-07 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	ug/L	ND	500	500	556	558	111	112	80.0-120	0.359	20	

SAMPLE DUPLICATE: R3791750-3

Parameter	Units	L1488096-01 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide	ug/L	ND	ND	0.00	20	

SAMPLE DUPLICATE: R3791750-6

Parameter	Units	L1488730-05 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide	ug/L	ND	ND	0.00	20	

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(612)607-1700

QUALITY CONTROL DATA

Project: D3593500
Pace Project No.: 10606563

QC Batch: 815530
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10606563001

METHOD BLANK: 4323119 Matrix: Water
Associated Lab Samples: 10606563001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	0.015	05/16/22 14:29	

LABORATORY CONTROL SAMPLE: 4323120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2.5	2.5	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4323121 4323122

Parameter	Units	10607680002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	ND	2.5	2.5	2.5	2.5	102	99	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4323123 4323124

Parameter	Units	10607541001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	ND	2.5	2.5	2.4	2.4	98	98	90-110	0	20	

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QUALIFIERS

Project: D3593500
Pace Project No.: 10606563

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 10606563001
[1] Wet Chemistry by Method 4500S2 D-2011 - Ran out of hold due to supply chain issues.

Sample: L1488096-01
[1] Wet Chemistry by Method 4500S2 D-2011 - Ran out of hold due to supply chain issues.

Sample: L1488096-07
[1] Wet Chemistry by Method 4500S2 D-2011 - Ran out of hold due to supply chain issues.

Sample: L1488145-02
[1] Semi Volatile Organic Compounds (GC/MS) by Method 8270E - Dilution due to matrix impact.

Sample: L1488730-05
[1] Wet Chemistry by Method 4500S2 D-2011 - Ran out of hold due to supply chain issues.

ANALYTE QUALIFIERS

G6	An aliquot for analysis was taken from the original container received due to volume requirements of the laboratory's procedure. Rinsing of the original sample container for inclusion in the sample extraction was not performed.
H1	Analysis conducted outside the recognized method holding time.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.

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Minneapolis, MN 55414
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QUALIFIERS

Project: D3593500
Pace Project No.: 10606563

ANALYTE QUALIFIERS

P1	Routine initial sample volume or weight was not used for extraction, resulting in elevated reporting limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: D3593500
Pace Project No.: 10606563

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10606563001	**EB01-042822-01**	EPA Mod. 3510C	812885	NWTPH-Dx	814390
10606563001	**EB01-042822-01**	EPA 3020A	812961	EPA 6020B	813290
10606563001	**EB01-042822-01**	EPA 7470A	812985	EPA 7470A	814217
10606563001	**EB01-042822-01**	3510C	1858057	EPA 8270E	1858057
10606563001	**EB01-042822-01**	4500S2 D-2011	1862545	SM 4500-S2D	1862545
10606563001	**EB01-042822-01**	EPA 350.1	815530		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/ MT

WO# : 10606563

10606563

ALL SHADED A

Company: JACOBS	Billing Information: SEE CONTRACT
Address: 2020 SW 4th AVE PDX, 97201 SUITE 300	
Report To: KRIS IVARSON	Email To: KRIS.IVARSON@JACOBS.COM BERNICE.KIDD@JACOBS
Copy To: BERNEY KIDD	Site Collection Info/Address: BNSF WISHRAM
Customer Project Name/Number: D3593500	State: WA County/City: KLICKITAT Time Zone Collected: [1] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #:
Collected By (print): J. WRIGHT	Purchase Order #: Quote #: SEE CONTRACT
Collected By (signature):	Turnaround Date Required: STNDRD
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

Compliance Monitoring? [ ] Yes [ ] No

DW PWS ID #: DW Location Code:

Immediately Packed on Ice: [1] Yes [ ] No

Field Filtered (if applicable): [ ] Yes [1] No

Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Container Preservative Type **

2	HS	1	U	U	U	3				

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Ammonia	Sulfide	Metals	SVOCs | PAHs SW8270	Dioxins (Furans (1613 EPA 1668)	PCBs, Co Planar WHO List 1668	Nutrients - DX				Analyses
EBGi-042822-01	W	G	4/28/22	1050				11	1	1	1	2	2	2	2				
~~EB03-042822-02~~	W	G	4/28/22	1200				11	1	1	1	2	2	2	2				

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2743841

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 1
Cooler 1 Temp Upon Receipt: _____oC
Cooler 1 Therm Corr. Factor: _____oC
Cooler 1 Corrected Temp: _____oC
Comments: 4.7

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Caleb Tagerson / Jacobs	4/29/22, 1530	/ PACE	5.2.22 8:50
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

Pace ANALYTICAL SERVICES	**DC#_Title: ENV-FRM-MIN4-0149 v03_Sample Condition Upon Receipt (SCUR) - ESI**
	Effective Date: 04/12/2022

Sample Condition Upon Receipt – ESI Tech Specs

Client Name: Jacobs

Project #: **WO#: 10606563**

PM: AR4 Due Date: 05/16/22

CLIENT: 11 Jacobs

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial

Tracking Number: 272601041957 See Exceptions ☐ ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other: _____ **Temp Blank?** ☑ Yes ☐ No

Thermometer: ☑ T1(0461) ☐ T2(1336) ☐ T3(0459) ☐ T4(0254) ☐ T5(0489) ☐ T6(0235) ☐ T7(0042) **Type of Ice:** ☑ Wet ☐ Blue ☐ None ☐ Dry ☑ Melted

Temp should be above freezing to 6°C **Cooler Temp Read w/temp blank:** 7.7 °C

Correction Factor: NUF **Cooler Temp Corrected w/temp blank:** 7.7 °C

Average Corrected Temp (no temp blank only): _____ °C ☐ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container

USDA Regulated Soil: (☑ N/A, water sample/Other: _____) **Date/Initials of Person Examining Contents:** ED 5.2.22

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present and Filled Out?	☑ Yes	☐ No		1.
Chain of Custody Relinquished?	☑ Yes	☐ No		2.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	3.
Samples Arrived within Hold Time?	☑ Yes	☐ No		4.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No		5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E coli ☐ BOD/cBOD ☐ Hex Chrome ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other_____
Rush Turn Around Time Requested?	☐ Yes	☑ No		6.
Sufficient Sample Volume?	☑ Yes	☐ No		
Triple Volume Provided for MS/MSD (if more than 10 samples)?	☐ Yes	☐ No	☑ N/A	7.
Correct Containers Used?	☑ Yes	☐ No		8.
-Pace Containers Used?	☑ Yes	☐ No		
Containers Intact?	☑ Yes	☐ No		9.
Field Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Is sufficient information available to reconcile the samples to the COC?	☑ Yes	☐ No		11. If no, write ID/ Date/Time on Container Below: See Exception ☐ ENV-FRM-MIN4-0142
Matrix: ☑ Water ☐ Soil ☐ Oil ☐ Other_____				
All containers needing acid/base preservation have been checked?	☑ Yes	☐ No	☐ N/A	12. Sample # 001
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☑ Yes	☐ No	☐ N/A	☐ NaOH ☑ HNO_3 1/1 ☑ H_2SO_4 1/1 ☑ Zinc Acetate 1/1
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS *If adding preservative to a container it must be added to associated field and equipment blanks (verify with PM first)	☑ Yes	☐ No	☐ N/A	Positive for Res. Chlorine? ☐ Yes ☐ No pH Paper Lot# See Exception ☐ ENV-FRM-MIN4-0142
				Res. Chlorine: 0-6 Roll 212521; 0-6 Strip: ; 0-14 Strip 100281
Extra labels present on soil VOA or WIDRO containers?	☐ Yes	☐ No	☑ N/A	13. See Exception ☐ ENV-FRM-MIN4-0140
Headspace in VOA Vials (greater than 6mm)?	☐ Yes	☐ No	☑ N/A	
3 Trip Blanks Present?	☐ Yes	☐ No	☑ N/A	14.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	Pace Trip Blank Lot # (if purchased): _____

Temp Log: Temp must be maintained at <6°C during login, record temp every 20 mins			
Opened Time: 10:00	Temp: 7.7	Corrected Temp: 7.7	
Time: 10:20	put in cooler		
Time:	Temp:	Corrected Temp:	

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: _____ **Date:** 5/2/22

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers)

Labeled by: ED (2)

C034

Internal Transfer Chain of Custody

Pace Analytical®
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: WA
Cert. Needed: [x] Yes ☐ No
Owner Received Date: 5/2/2022 Results Requested By: 5/23/2022

Workorder: 10606563 **Workorder Name:** D3593500

Report To	Subcontract To
Kongmeng Vang Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone (612)607-1700	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

AG1U BP3Z

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Other					Requested Analysis: 8270 SVOC - Pace National	SW9030 Total Sulfides - Pace National											LAB USE ONLY
1	EB01-042822-01	PS	4/28/2022 10:50	10606563001	Water	2	1					X	X											-01
2																								
3																								
4																								
5																								

L1488631

Transfers	Released By	Date/Time	Received By	Date/Time
1	CSM/Pace	5.2.22 15:30	Marissa Thomas	5.3.22/0930
2				
3				

Comments: OK

Cooler Temperature on Receipt 3.5 °C | Custody Seal (Y) or N | Received on Ice (Y) or N | Samples Intact (Y) or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.

This chain of custody is considered complete as is since this information is available in the owner laboratory.

CNT: 3 TB: 0 3.5°+0=3.5°C

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RAD Screen <0.5 mR/hr:	Y N		

8270 SVOC List

Semi-volatile Organic Compounds and Polycy
3&4-Methylphenol
Benzoic acid
Bis(2-ethylhexyl) phthalate
Carbazole
Dibenzofuran
Di-n-butyl phthalate
Di-n-octyl phthalate
Pentachlorophenol
Phenol
1-Methylnaphthalene
2-Methylnaphthalene
Acenaphthene
Acenaphthylene
Anthracene
Benz(a)anthracene
Benzo(a)pyrene
Benzo(ghi)perylene
Chrysene
Dibenz(ah)anthracene
Fluoranthene
Fluorene
Indeno(123-cd)pyrene
Naphthalene
Phenanthrene
Pyrene
Benzo(b)fluoranthene
Benzo(k)fluoranthene

Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 10606563

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GC-FID DRO - FORM II SVOA-1
WATER SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No.: 10606563 Contract: D3593500

Instrument ID: 10GCSF

LAB SAMPLE ID	SAMPLE NAME	NTCS	OTER
4310138	4310138BLANK	64	79
4310139	4310139LCS	65	79
4310140	4310140LCSD	74	89
10606563001	EB01-042822-01	53	65

	QC LIMITS
(NTCS) = n-Triacontane (S)	(50-150)
(OTER) = o-Terphenyl (S)	(50-150)

* Values outside of QC Limits

GC-FID DRO - FORM III SVOA-1
WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota
Lab Sample ID: 4310139LCS
Date Extracted: 05/03/2022
Date Analyzed (1): 05/11/2022
Instrument: 10GCSF
LCS Lot No: 358262
Lab File ID: 051122F.B\0511F0000042.D
SDG No.: 10606563

COMPOUND	AMOUNT ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS %REC	QC LIMITS REC.
Diesel Fuel Range	2.0	1.4	70	50-150
Motor Oil Range	2.0	1.5	77	50-150

Spike Recovery: 0 out of 2 outside limits.

GC-FID DRO - FORM III SVOA-2
WATER LABORATORY CONTROL SAMPLE RECOVERY

Instrument ID (2): 10GCSF
Lab Sample ID (2): 4310140LCSD
Date Analyzed 05/11/2022
Lab File ID (2): 051122F.B\0511F0000043.D

COMPOUND	AMOUNT ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD %REC	%RPD	QC LIMITS	
					RPD	REC.
Diesel Fuel Range	2.0	1.7	83	17	0-20	50-150
Motor Oil Range	2.0	1.8	90	15	0-20	50-150

RPD: 0 out of 2 outside limits.
Spike Recovery: 0 out of 2 outside limits.

GC-FID DRO - FORM III SVOA-1
WATER SEMI-VOLATILE SAMPLE/DUPLICATE RECOVERY

Lab Name: Pace Analytical - Minnesota
Date Extracted: 05/03/2022
Instrument: 10GCSF
Lab Sample ID: 10606561001
Duplicate Sample No: 10606561001DUP
Date Analyzed: 05/11/2022
Lab File ID: 051122F.B\0511F0000045.D
SDG No.: 10606563

COMPOUND	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD	RPD LIMITS
Diesel Fuel Range	ND	ND		0-30
Motor Oil Range	ND	ND		0-30

RPD: ____ out of __0__ outside limits.

SAMPLE NO.

4310138BLANK

GC-FID DRO - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

Lab Name: Pace Analytical - Minnesota SDG No.: 10606563 Contract: D3593500

Instrument ID: 10GCSF Matrix: Water Lab Sample ID: 4310138

Lab File ID: 051122F.B\0511F0000041.D Date Analyzed: 05/11/2022 Time: 20:55

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
4310139LCS	4310139	051122F.B\0511F0000042.D	05/11/2022 21:07
4310140LCSD	4310140	051122F.B\0511F0000043.D	05/11/2022 21:18
4310141DUP	4310141	051122F.B\0511F0000045.D	05/11/2022 21:41
EB01-042822-01	10606563001	051122F.B\0511F0000046.D	05/11/2022 21:52

SAMPLE NO.

EB01-042822-01

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received: 05/02/2022 08:50
Matrix: Water SDG No.: 10606563
Date Extracted: 05/03/2022 18:24
Lab Sample ID: 10606563001
Date Analyzed: 05/11/2022 21:52
Lab File ID: 051122F.B\0511F0000046.D
Initial wt/vol: 240 mL Final wt/vol: 1 mL Dilution: 1
Instrument: 10GCSF Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/L	Q
68334-30-5	Diesel Fuel Range	ND	U
	Motor Oil Range	ND	U

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000046.D
Lab Smp Id: 10606563001 Client Smp ID: EB01-042822-01
Inj Date : 11-MAY-2022 21:52
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 10606563001
Misc Info : 39317
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 35
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: WATER
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf *Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Vo	240.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)		REVIEW CODE	
$ 2 o-Terphenyl (S)					CAS #:			
2.567	2.568	-0.001	197285	32.4181	135		(M)	BA
$ 3 n-Triacontane (S)					CAS #:			
4.026	4.028	-0.002	129928	26.7168	111		(M)	BA
S 10 Motor Oil Range					CAS #:			
3.441	- 5.260		145874	8.03293	33.5		(M)	RNG
S 11 Motor Oil Range SG					CAS #:			
3.441	- 5.260		145874	8.50809	35.4		(M)	RNG
S 8 Diesel Fuel Range					CAS #:			
1.240	- 3.440		258208				(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:			
1.240	- 3.440		258208				(M)	RNG

QC Flag Legend

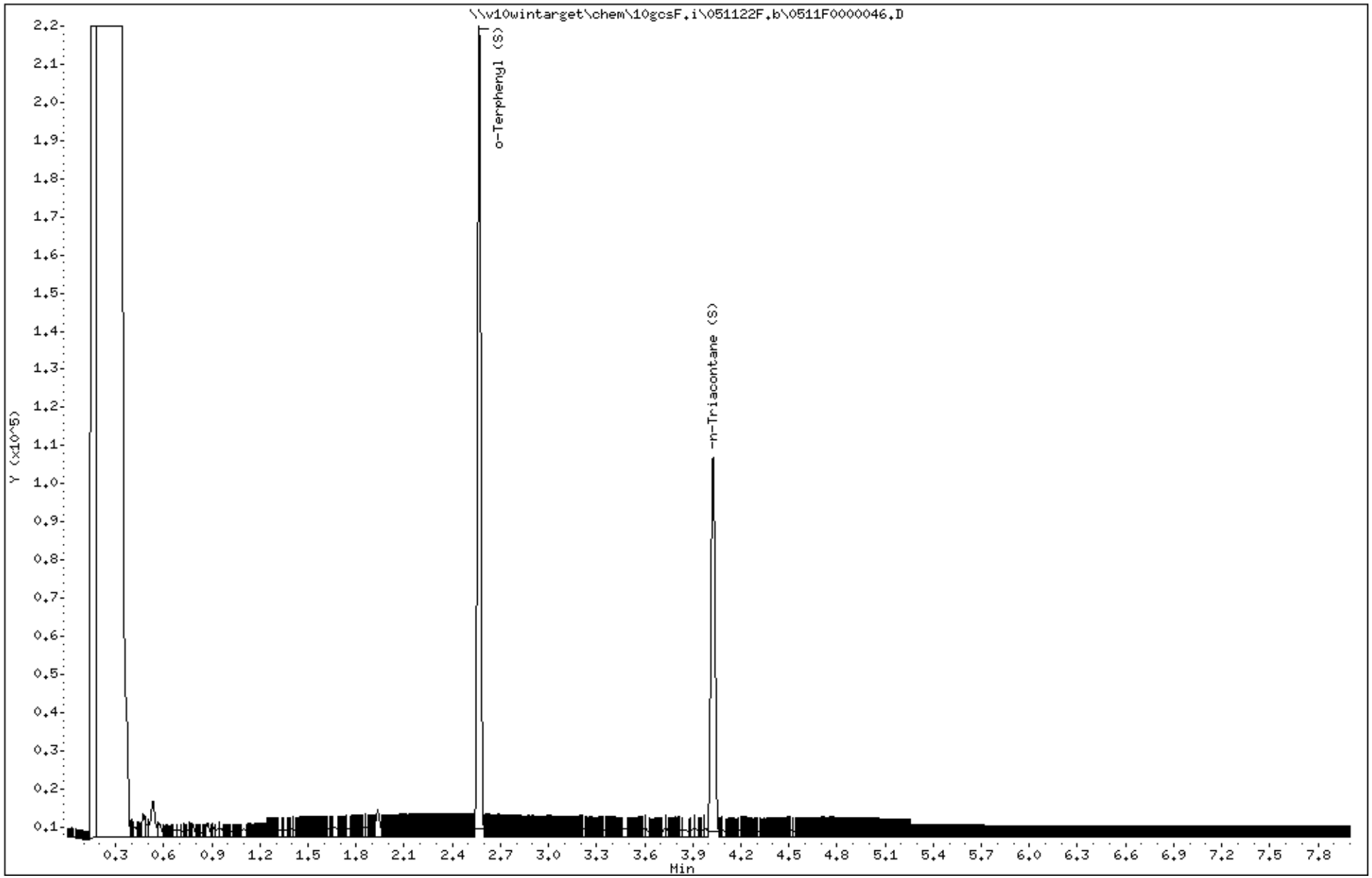
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000046.D
Date : 11-MAY-2022 21:52
Client ID: EB01-042822-01
Sample Info: 10606563001
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

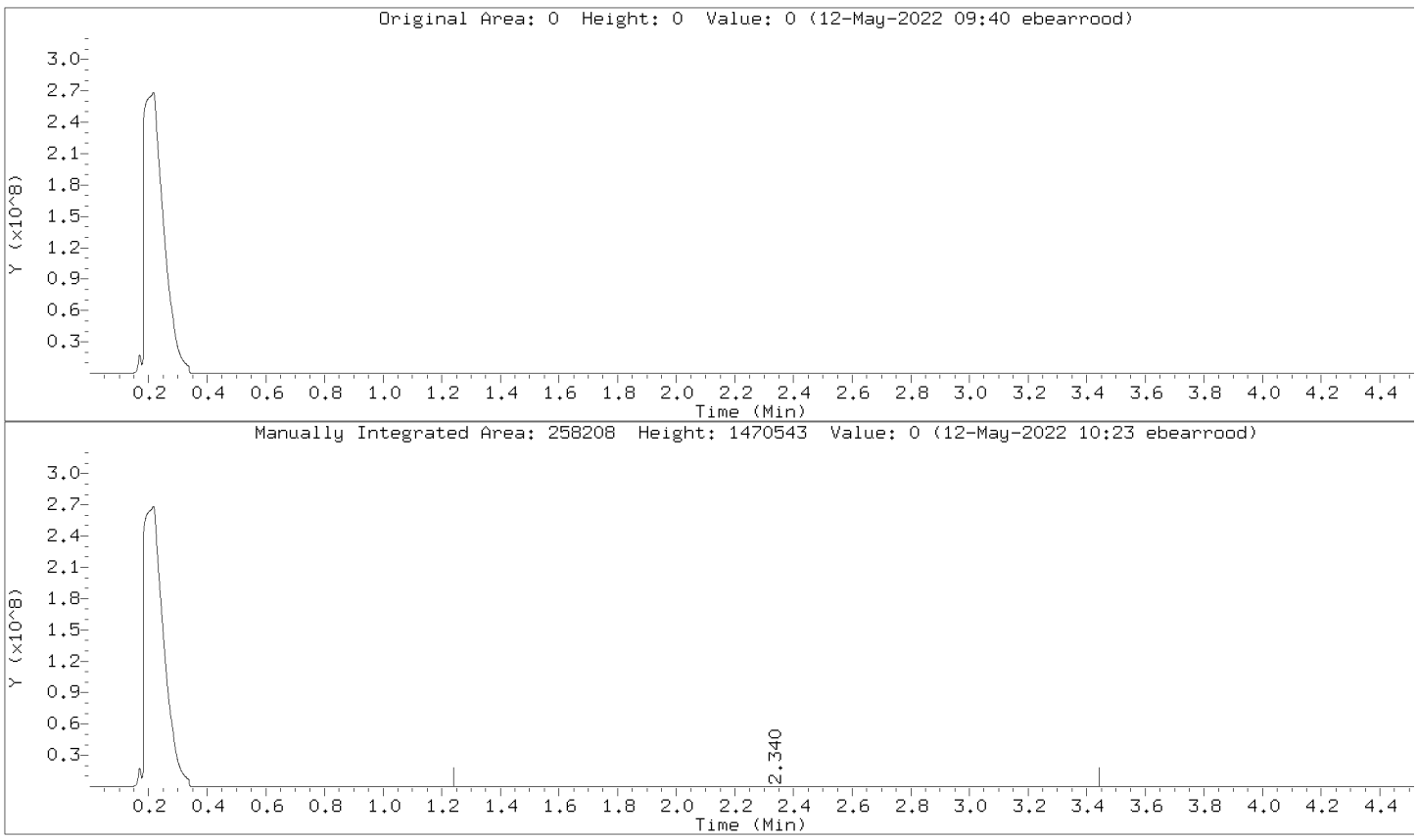
Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32



36 of 1139
9 of 653
10606563

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000046.D
Injection Date: 11-MAY-2022 21:52
Instrument: 10gcsF.i
Lab Sample ID: 10606563001

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



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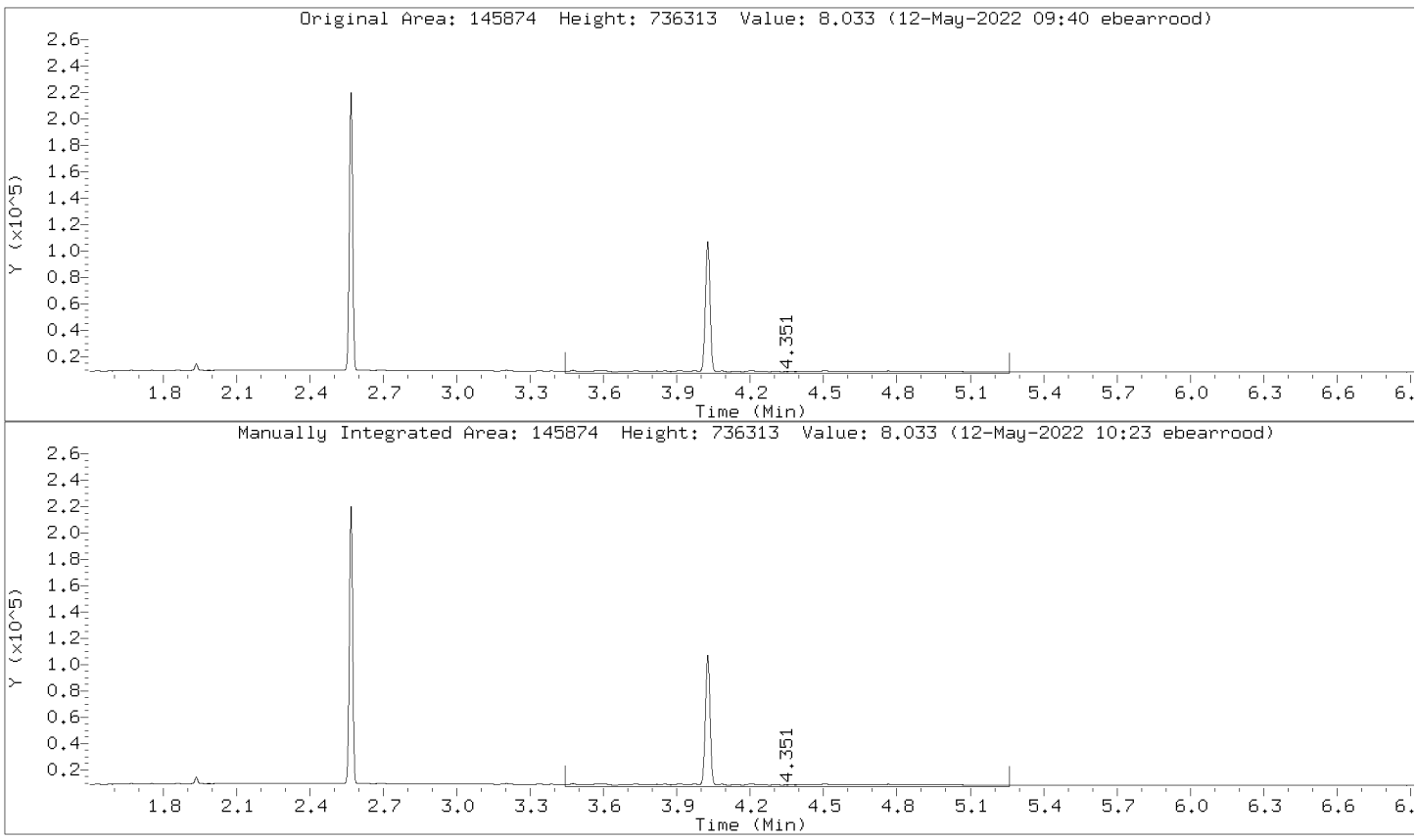
Injection Date: 11-MAY-2022 21:52
Instrument: 10gcsF.i
Lab Sample ID: 10606563001

Compound: Motor Oil Range Review Code: RNG
CAS Number:



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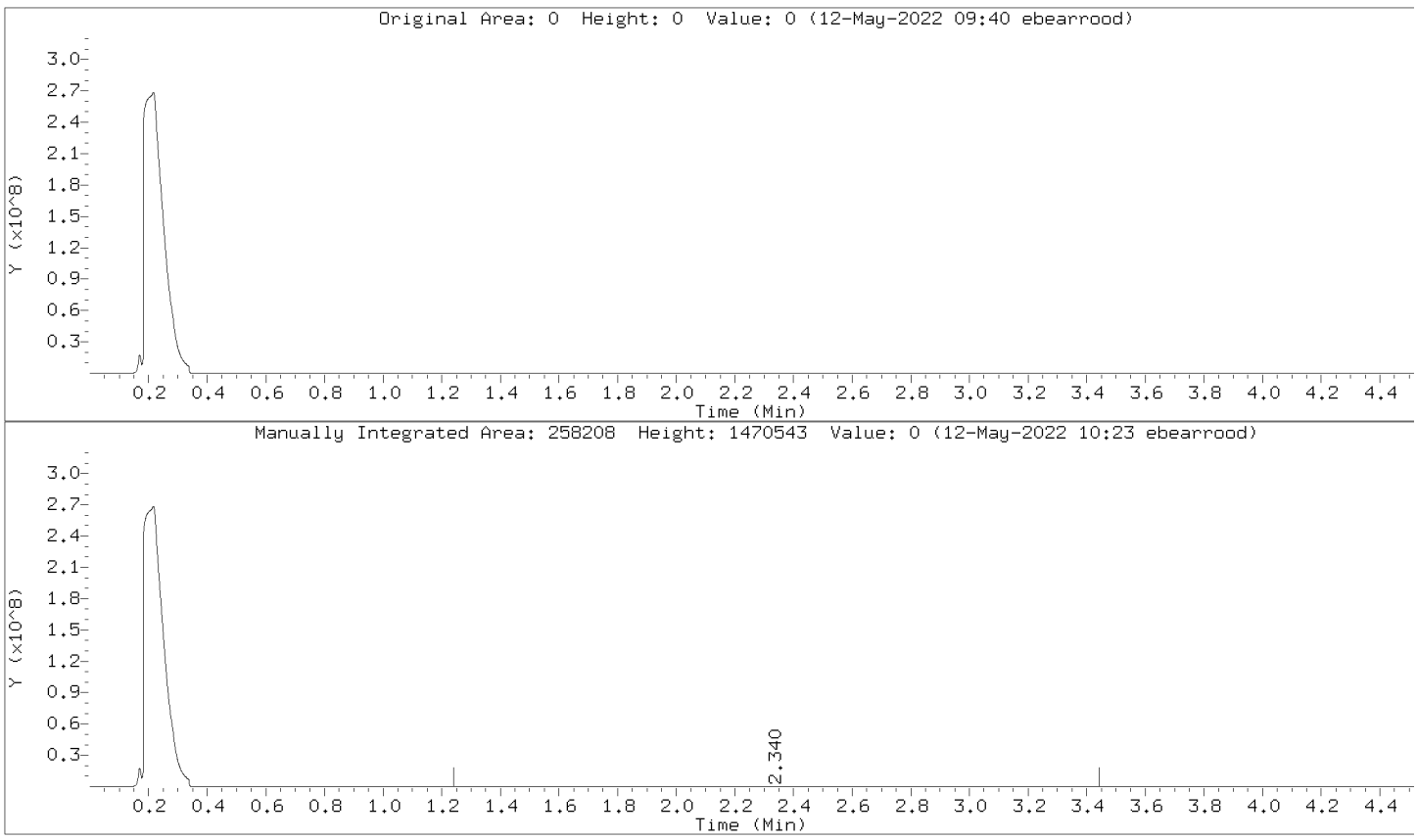
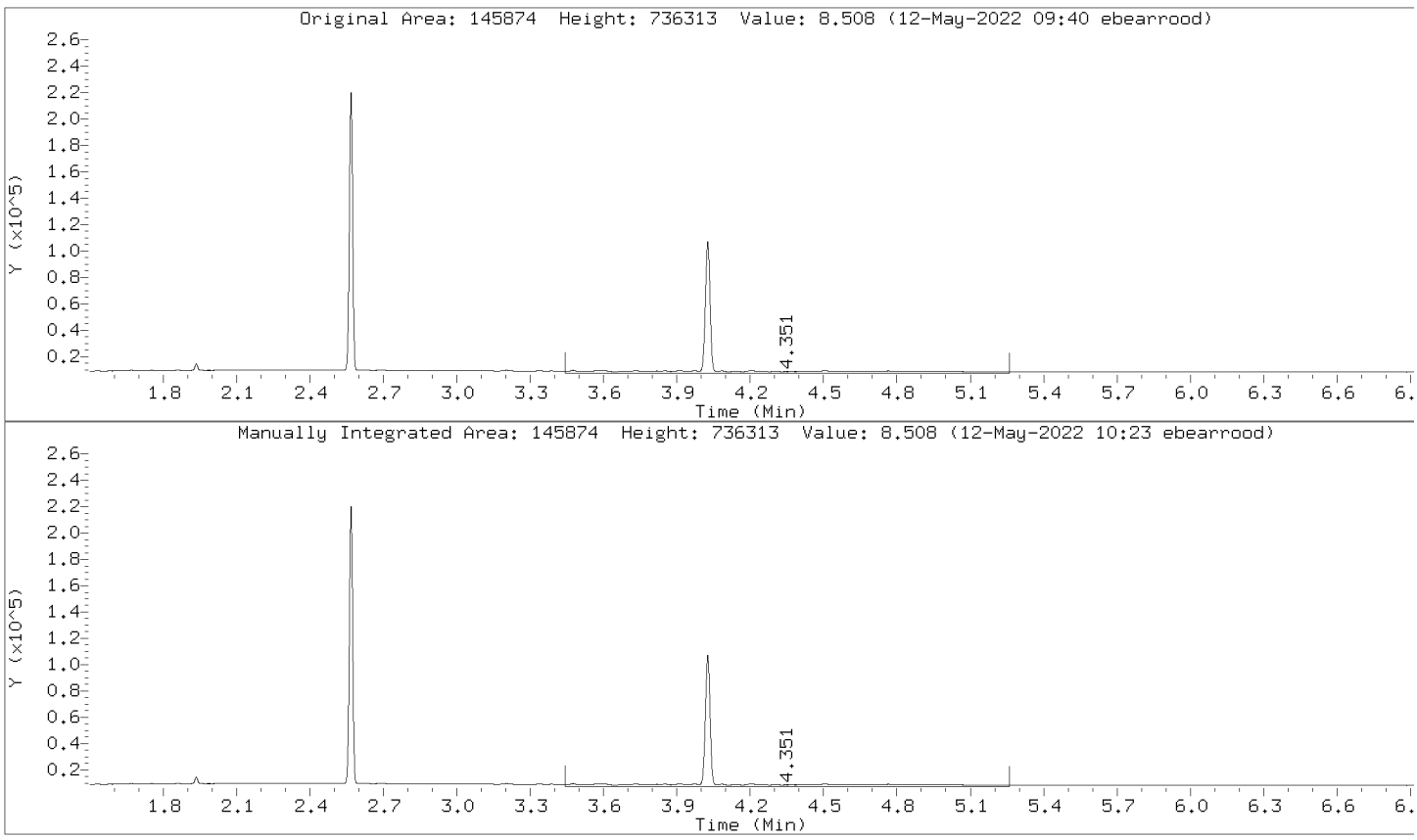
Injection Date: 11-MAY-2022 21:52
Instrument: 10gcsF.i
Lab Sample ID: 10606563001

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



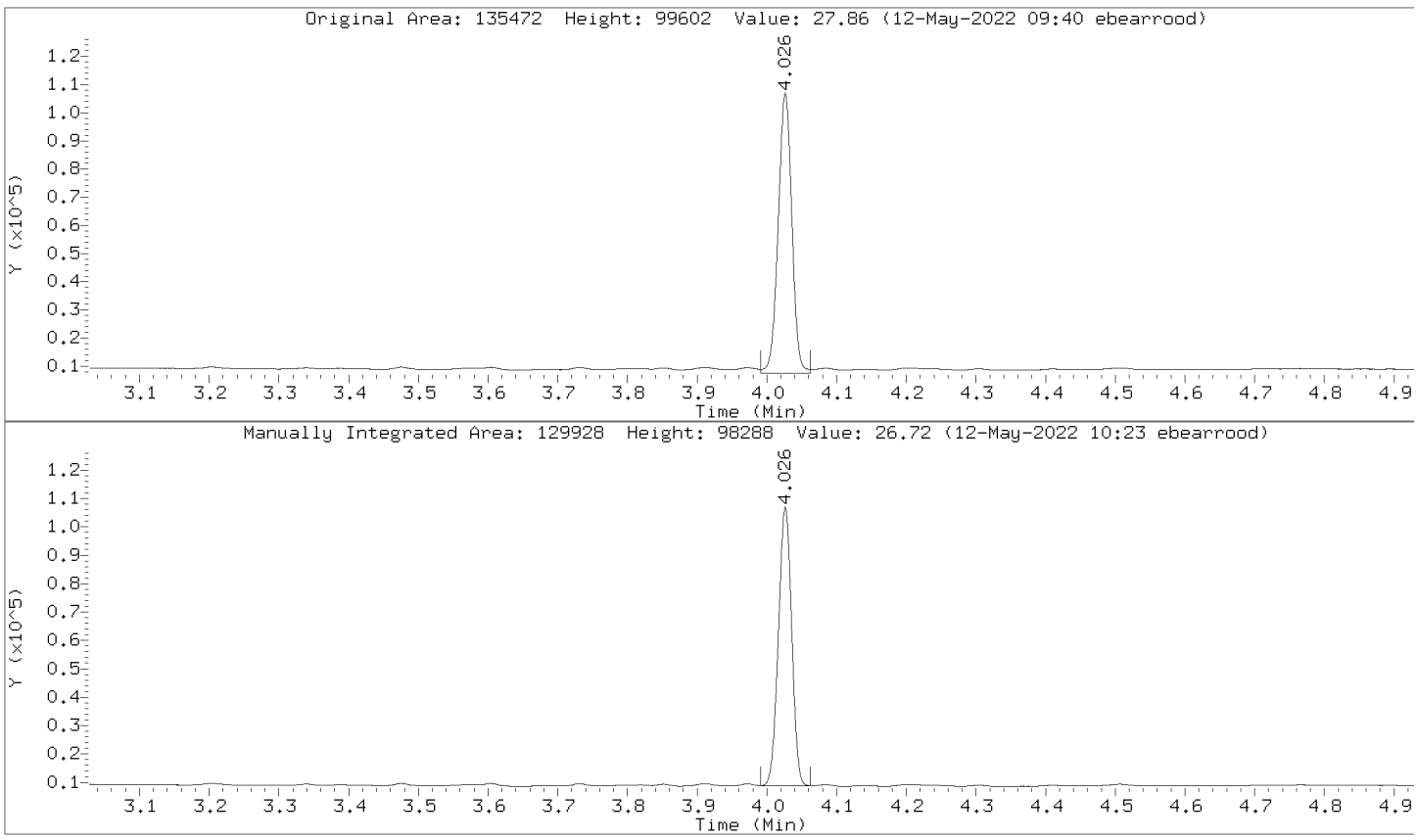
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000046.D
Injection Date: 11-MAY-2022 21:52
Instrument: 10gcsF.i
Lab Sample ID: 10606563001

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000046.D
Injection Date: 11-MAY-2022 21:52
Instrument: 10gcsF.i
Lab Sample ID: 10606563001

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



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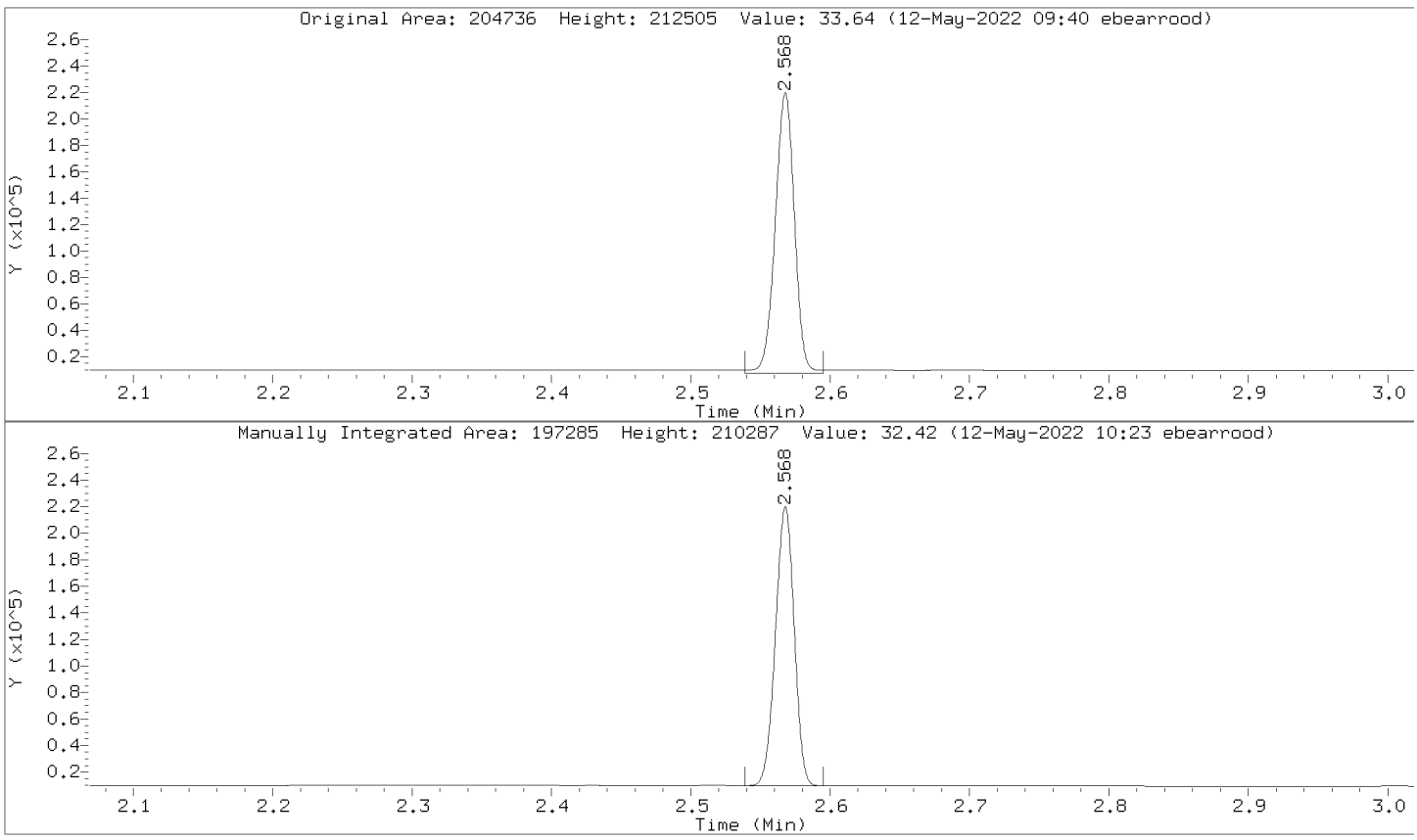
Injection Date: 11-MAY-2022 21:52
Instrument: 10gcsF.i
Lab Sample ID: 10606563001

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	0	258208
Motor Oil Range	145874	145874
Diesel Fuel Range SG	0	258208
Motor Oil Range SG	145874	145874
n-Triacontane (S)	135472	129928
o-Terphenyl (S)	204736	197285

GC-FID DRO - FORM VI SVOA-1
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10GCSF GC Column: FID SDG No.: 10606563

Calibration Date(s): 05/09/2022 05/09/2022 Calibration Time(s): 15:31 17:04

LAB FILE ID

CAL2 = 050922F.B\0509F0000025.D CAL3 = 050922F.B\0509F0000026.D CAL4 = 050922F.B\0509F0000027.D
CAL5 = 050922F.B\0509F0000028.D CAL6 = 050922F.B\0509F0000029.D CAL7 = 050922F.B\0509F0000030.D
CAL8 = 050922F.B\0509F0000031.D CAL9 = 050922F.B\0509F0000032.D CAL10 = 050922F.B\0509F0000033.D

COMPOUND	CURVE TYPE	CAL2	CAL3	CAL4	CAL5	CAL6	CAL7
Diesel Fuel Range	Linear	26626.5000	13684.0800	8972.0000	6745.3200	5367.3880	4932.6900
Motor Oil Range	Linear	13188.4000	8188.1600	5792.1400	4949.4600	4343.8560	4130.8680
n-Triacontane (S)	Averaged	4905.0000	5039.2000	4954.2000	4885.7000	4837.3600	4838.6400
o-Terphenyl (S)	Averaged	6519.0000	6256.4000	6082.2000	6043.5000	5907.1200	5904.8600

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

GC-FID DRO - FORM VI SVOA-2
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10GCSF GC Column: FID SDG No.: 10606563

Calibration Date(s): 05/09/2022 05/09/2022 Calibration Time(s): 15:31 17:04

LAB FILE ID

CAL2 = 050922F.B\0509F0000025.D CAL3 = 050922F.B\0509F0000026.D CAL4 = 050922F.B\0509F0000027.D

CAL5 = 050922F.B\0509F0000028.D CAL6 = 050922F.B\0509F0000029.D CAL7 = 050922F.B\0509F0000030.D

CAL8 = 050922F.B\0509F0000031.D CAL9 = 050922F.B\0509F0000032.D CAL10 = 050922F.B\0509F0000033.D

COMPOUND	CURVE TYPE	CAL8	CAL9	CAL10
Diesel Fuel Range	Linear	4693.5700	4485.2455	4385.1072
Motor Oil Range	Linear	3996.9180	4002.9135	3903.8372
n-Triacontane (S)	Averaged	4833.5200	4746.1350	4728.6100
o-Terphenyl (S)	Averaged	5888.9700	6091.3050	6077.4225

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

GC-FID DRO - FORM VI SVOA-3
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10GCSF GC Column: FID SDG No.: 10606563

Calibration Date(s): 05/09/2022 05/09/2022 Calibration Time(s): 15:31 17:04

LAB FILE ID

CAL2 = 050922F.B\0509F0000025.D CAL3 = 050922F.B\0509F0000026.D CAL4 = 050922F.B\0509F0000027.D

CAL5 = 050922F.B\0509F0000028.D CAL6 = 050922F.B\0509F0000029.D CAL7 = 050922F.B\0509F0000030.D

CAL8 = 050922F.B\0509F0000031.D CAL9 = 050922F.B\0509F0000032.D CAL10 = 050922F.B\0509F0000033.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Diesel Fuel Range	Linear		0.99993	263699.280	4331.55482	
Motor Oil Range	Linear		0.99992	114634.240	3888.96343	
n-Triacontane (S)	Averaged	1.99736			4863.15167	
o-Terphenyl (S)	Averaged	3.29707			6085.64194	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000003.D
Lab Smp Id: DMO-RTM,362402:2 Client Smp ID: DMO-RTM,362402:2
Inj Date : 09-MAY-2022 10:14
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-rtm,362402:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10SVOA-TT

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL	
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE
S 1 DRO by AK 102					CAS #:	
Compound Not Detected.						
$ 2 o-Terphenyl (S)					CAS #:	
2.559	2.565	-0.006	7	0.00423	0.00423	(R)
$ 3 n-Triacontane (S)					CAS #:	
4.021	4.017	0.004	26	0.02406	0.0241	(R)
S 4 Residual Range Organics AK103					CAS #:	
Compound Not Detected.						
S 5 TPH-DRO (C10-C28)					CAS #:	
Compound Not Detected.						
S 6 Motor Oil Range (C24-C36)					CAS #:	
Compound Not Detected.						
S 7 C10-C36					CAS #:	
Compound Not Detected.						

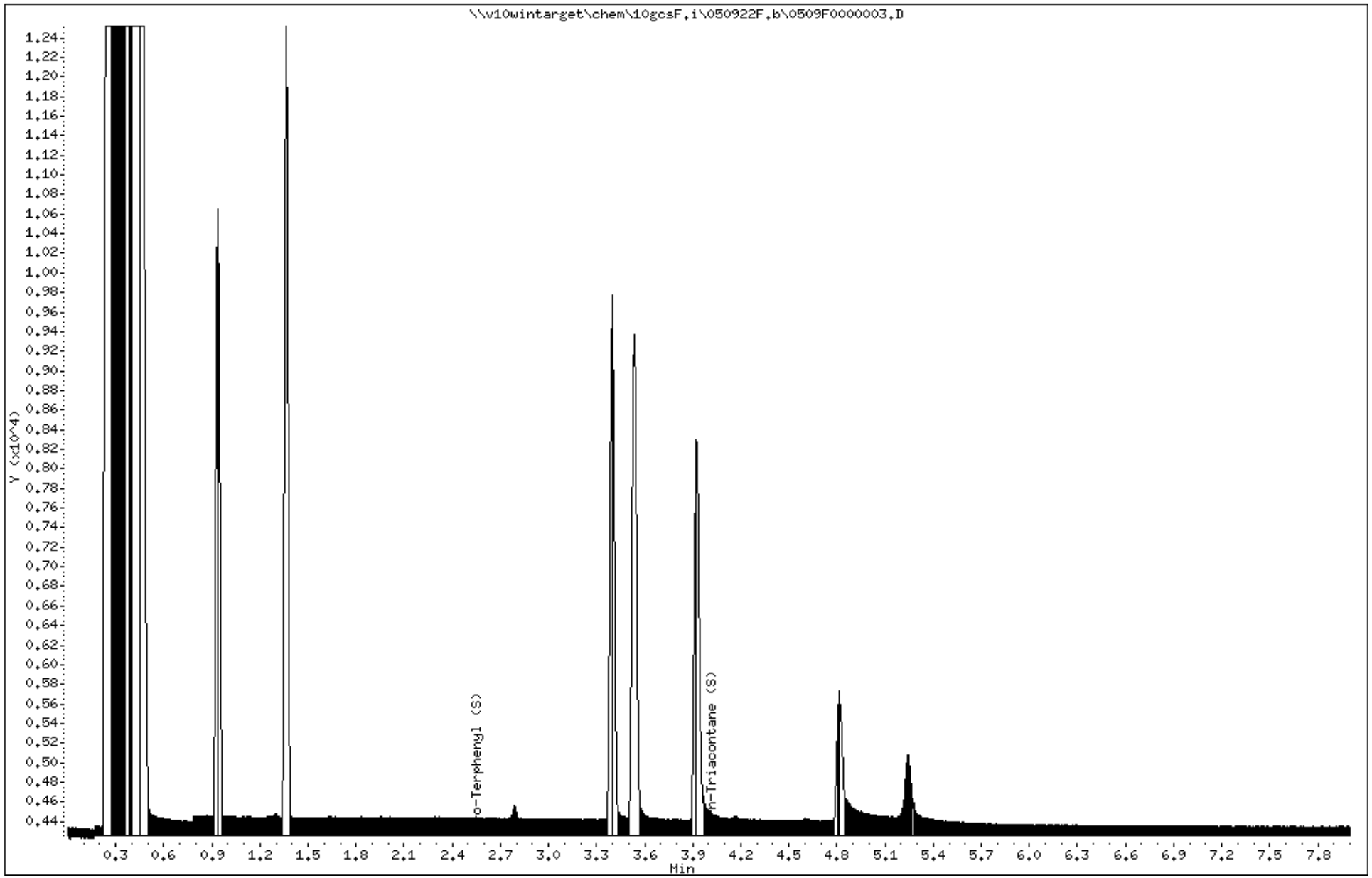
				CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/mL)	
RT	EXP RT	DLT RT	RESPONSE			REVIEW CODE
S 8 Diesel Fuel Range					CAS #:	
Compound Not Detected.						
S 9 Diesel Fuel Range SG					CAS #:	
Compound Not Detected.						
S 10 Motor Oil Range					CAS #:	
Compound Not Detected.						
S 11 Motor Oil Range SG					CAS #:	
Compound Not Detected.						

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000003.D
Date : 09-MAY-2022 10:14
Client ID: DMO-RTM,362402:2
Sample Info: DMO-RTM,362402:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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10606563

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000003.D
Injection Date: 09-MAY-2022 10:14
Instrument: 10gcsF.i
Lab Sample ID: DMO-RTM,362402:2
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	0	0
DRO by AK 102	0	0
TPH-DRO (C10-C28)	0	0
Motor Oil Range (C24-C36)	0	0
Diesel Fuel Range	0	0
Motor Oil Range	0	0
Diesel Fuel Range SG	0	0
Motor Oil Range SG	0	0
C10-C36	0	0
n-Triacontane (S)	26	26
o-Terphenyl (S)	7	7

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000025.D
Lab Smp Id: DMO-CAL2,364980:2 Client Smp ID: DMO-CAL2,364980:2
Inj Date : 09-MAY-2022 15:31
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal2,364980:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		300261	10.0000	1.28	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.562	2.565	-0.003	6519	1.00000	1.07	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.014	4.017	-0.003	4905	1.00000	1.01	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		103492	10.0000	3.06	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		338750	10.0000	2.06	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		115167	10.0000	2.96	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		403754	20.0000	3.92	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		266265	10.0000	0.592	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		266265	10.0000	0.592	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		131884	10.0000	4.44	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		131884	10.0000	4.91	(MH)	RNG

QC Flag Legend

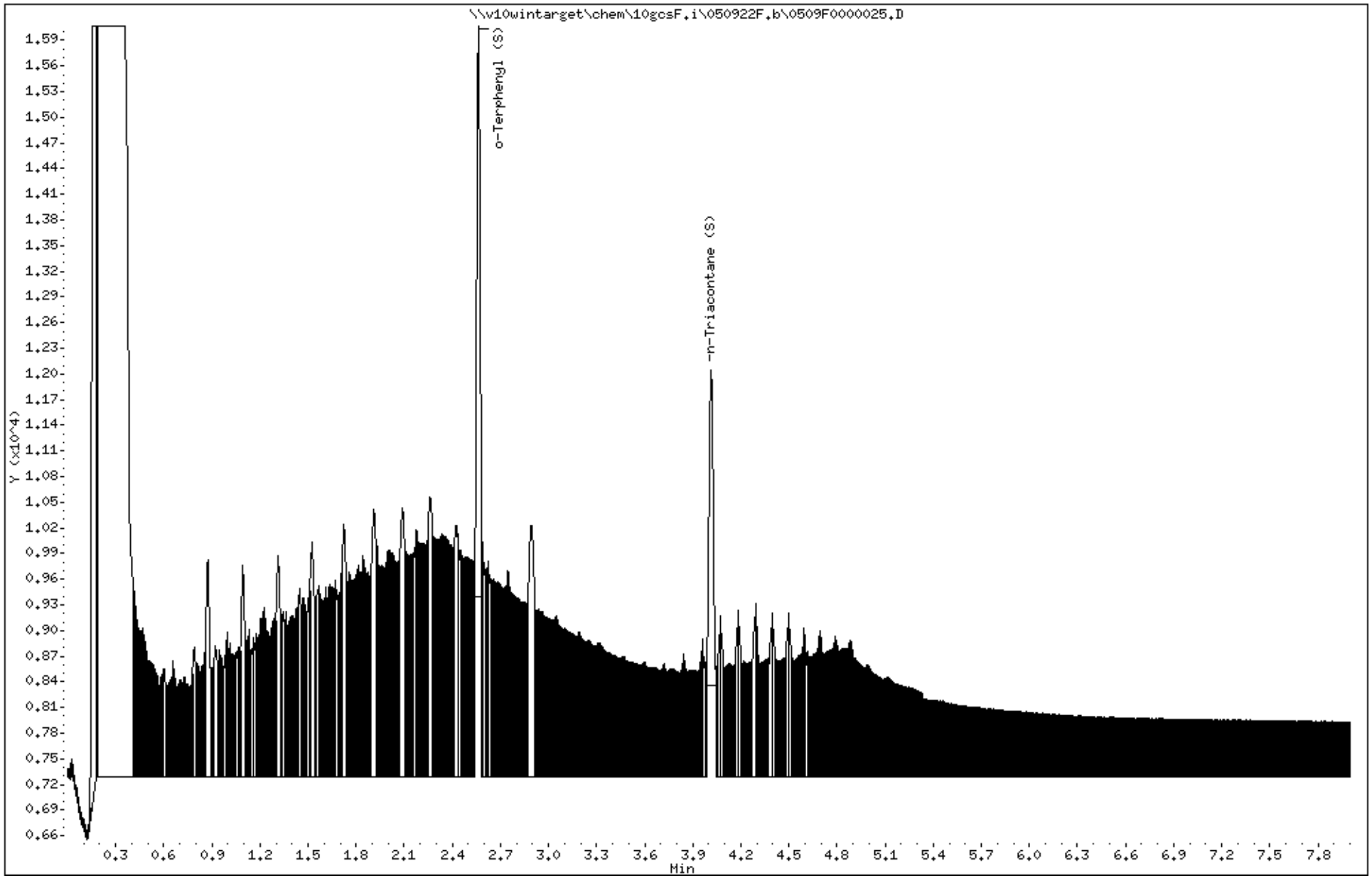
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000025.D
Date : 09-MAY-2022 15:31
Client ID: DMO-CAL2,364980:2
Sample Info: DMO-CAL2,364980:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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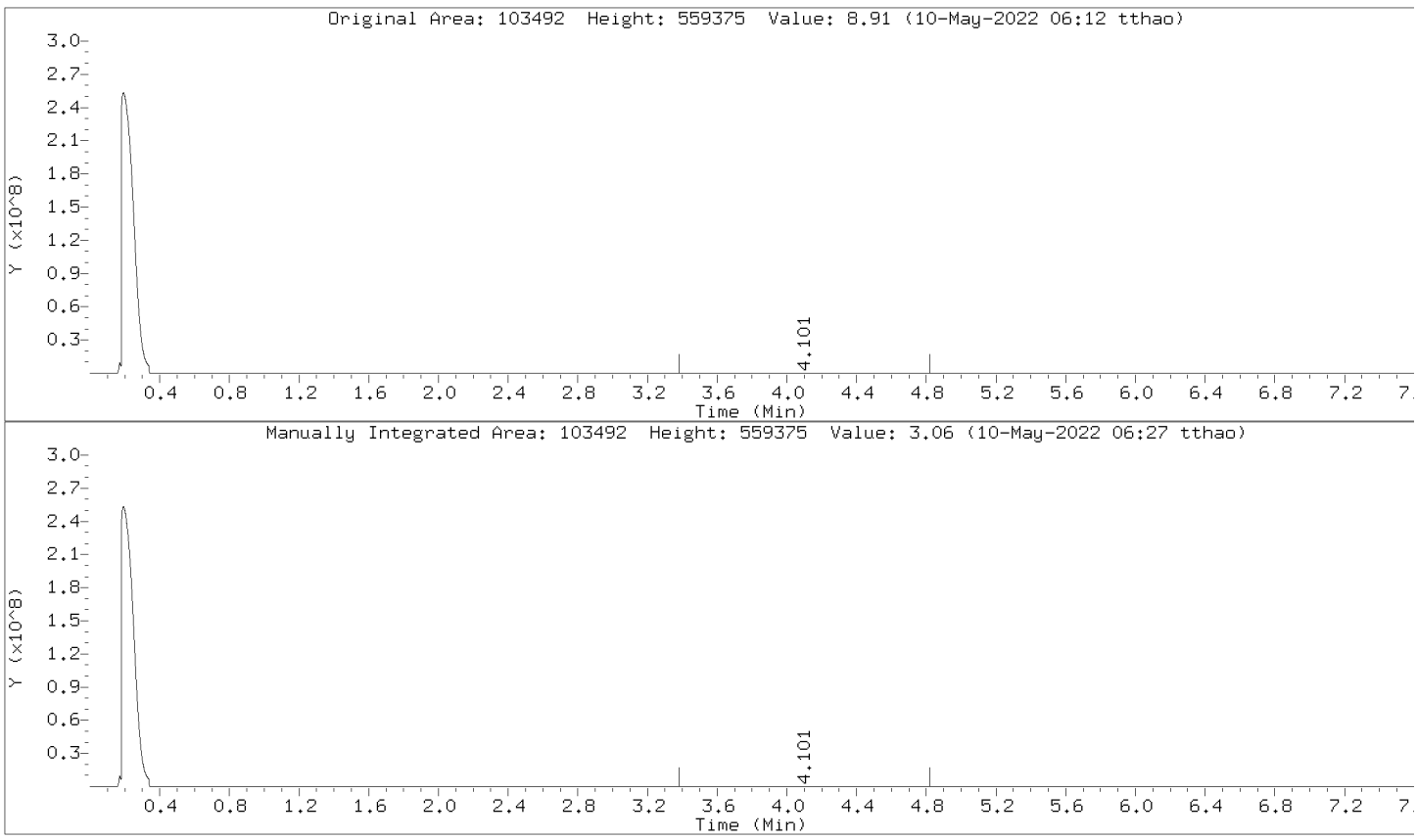
10606563

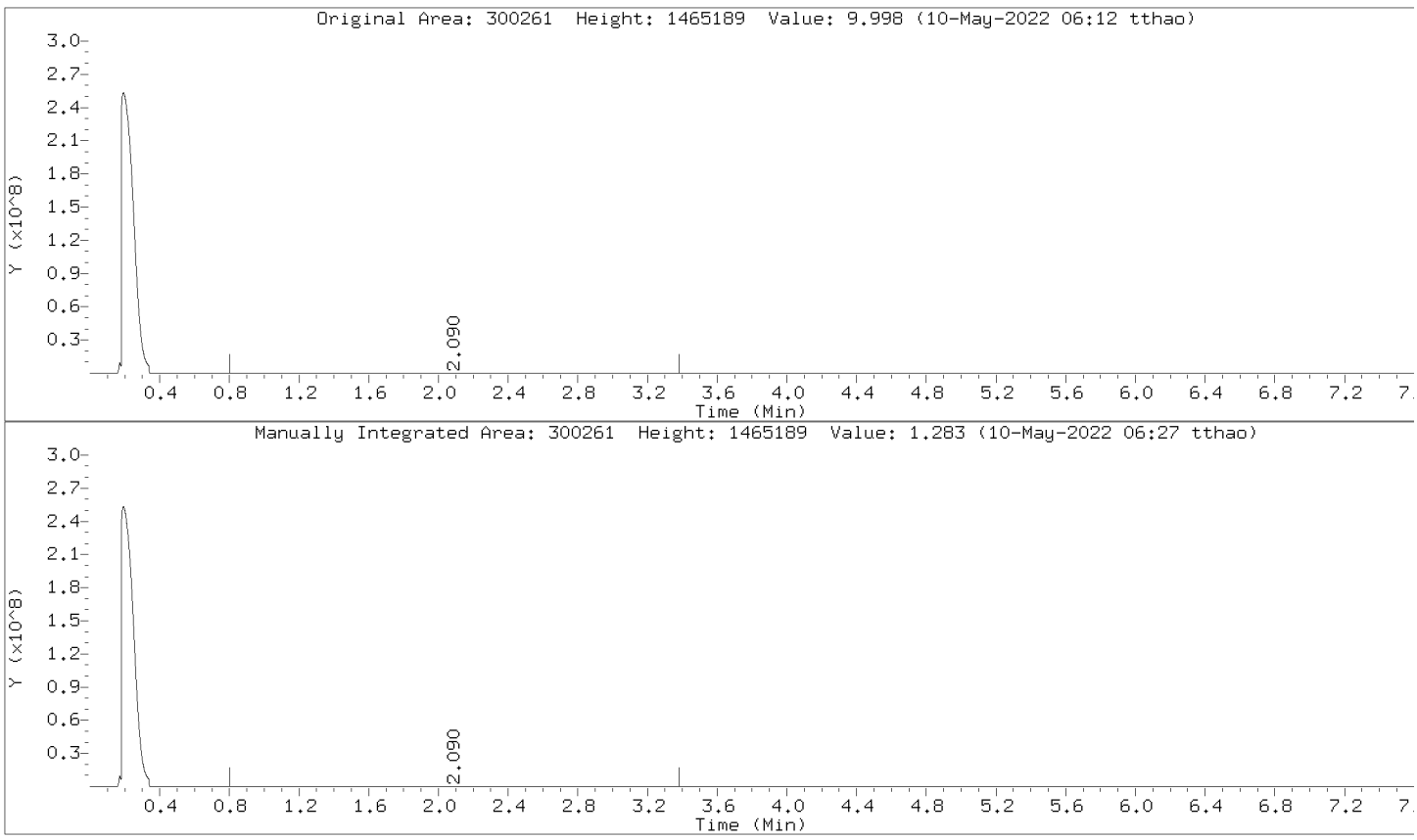
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



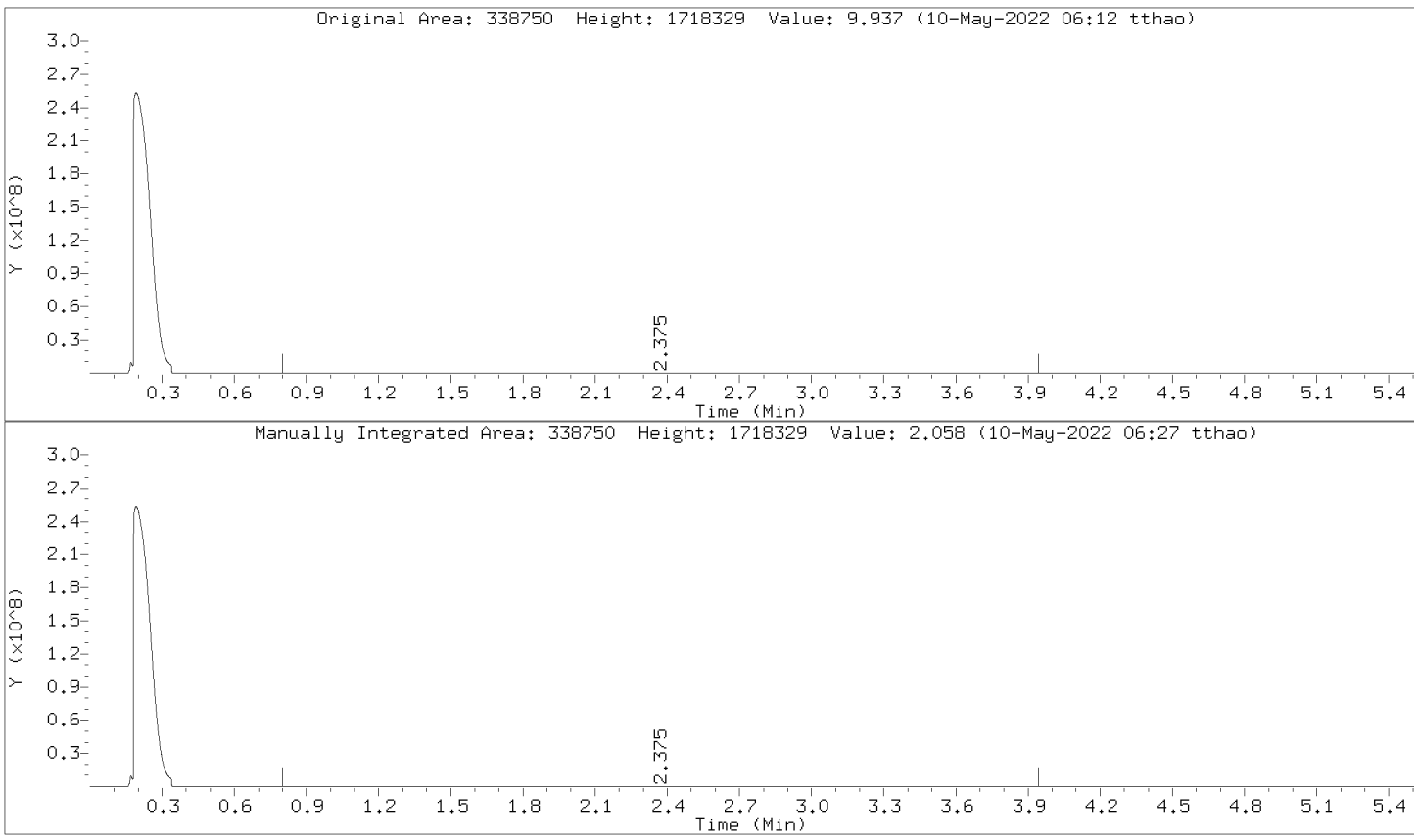
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



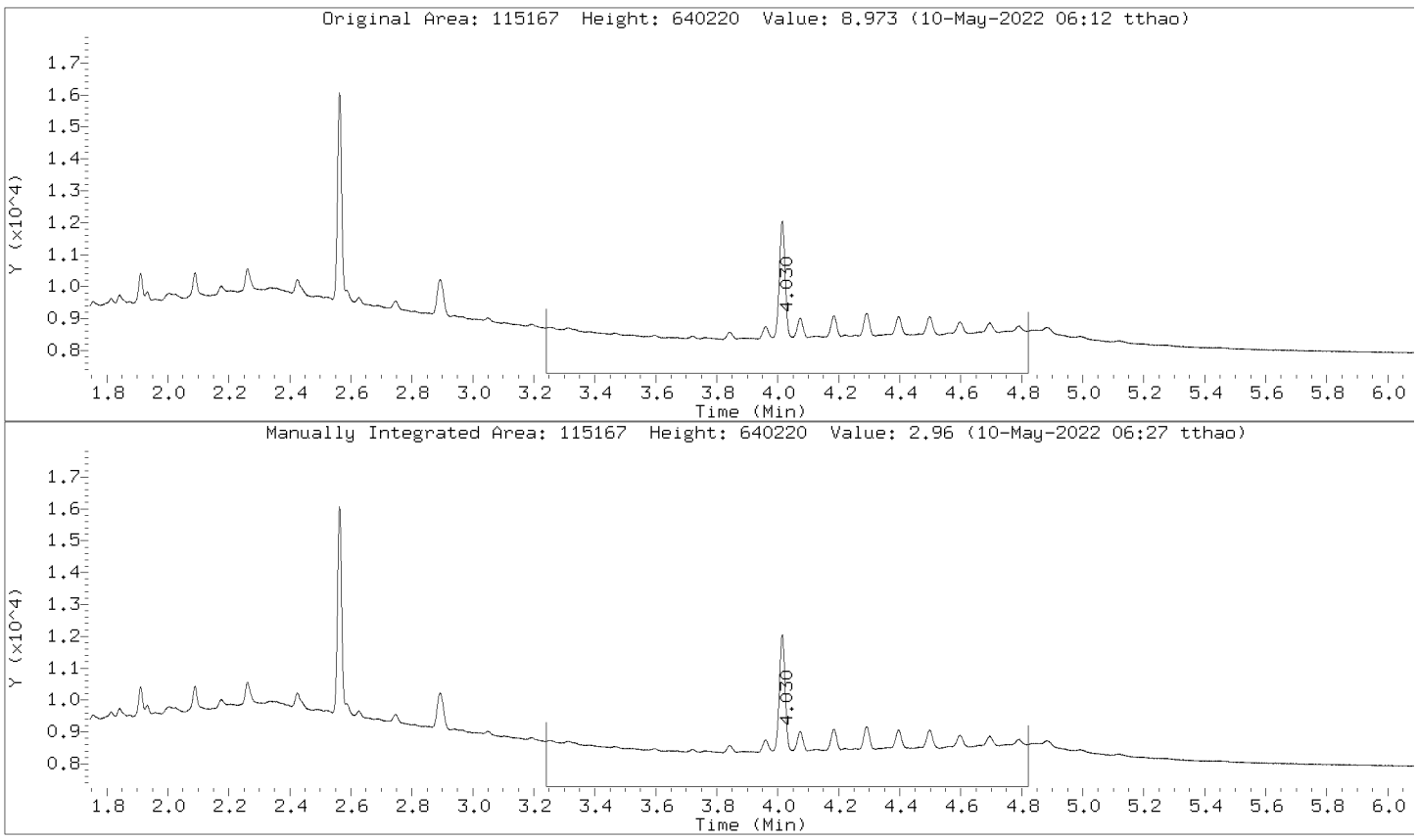
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



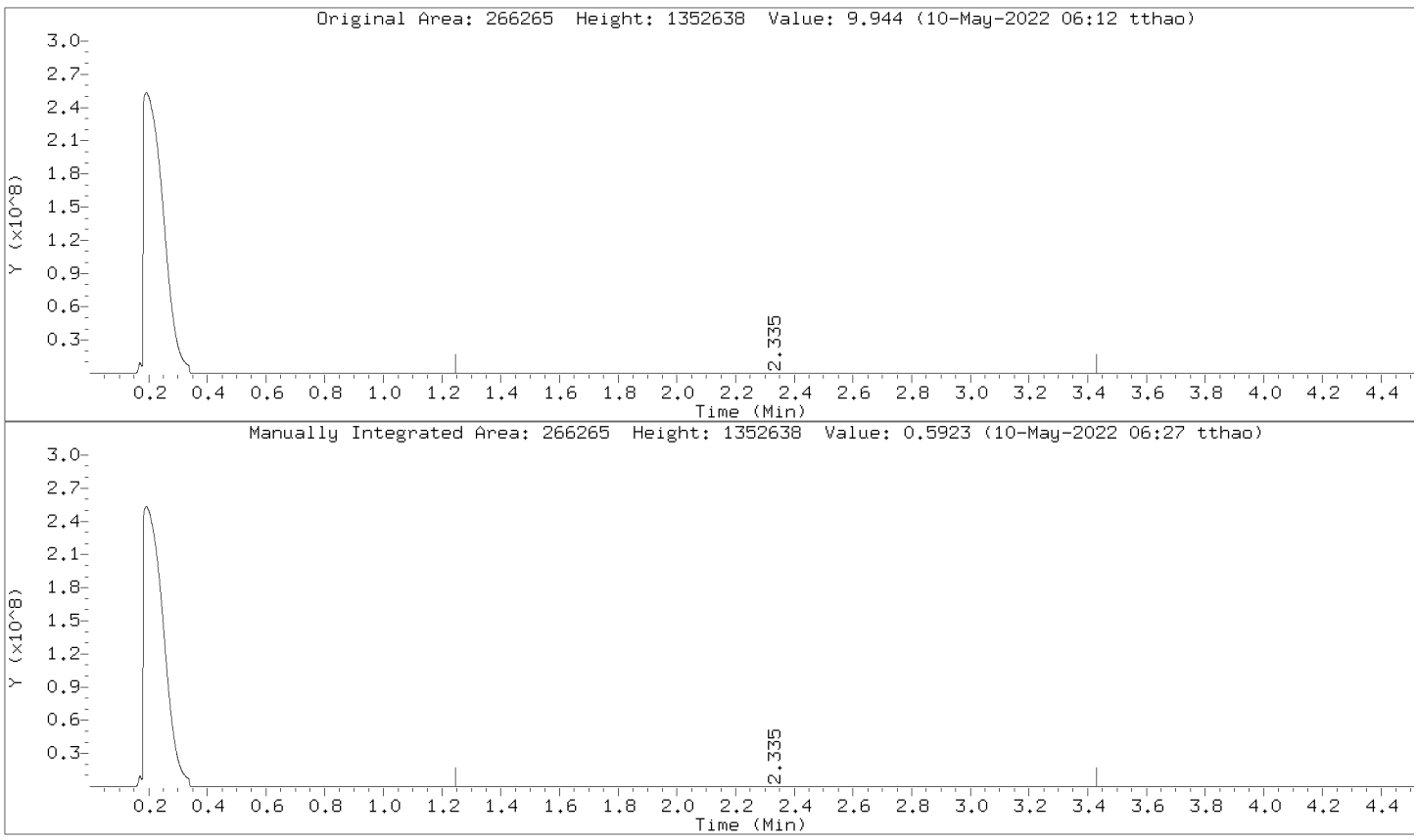
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



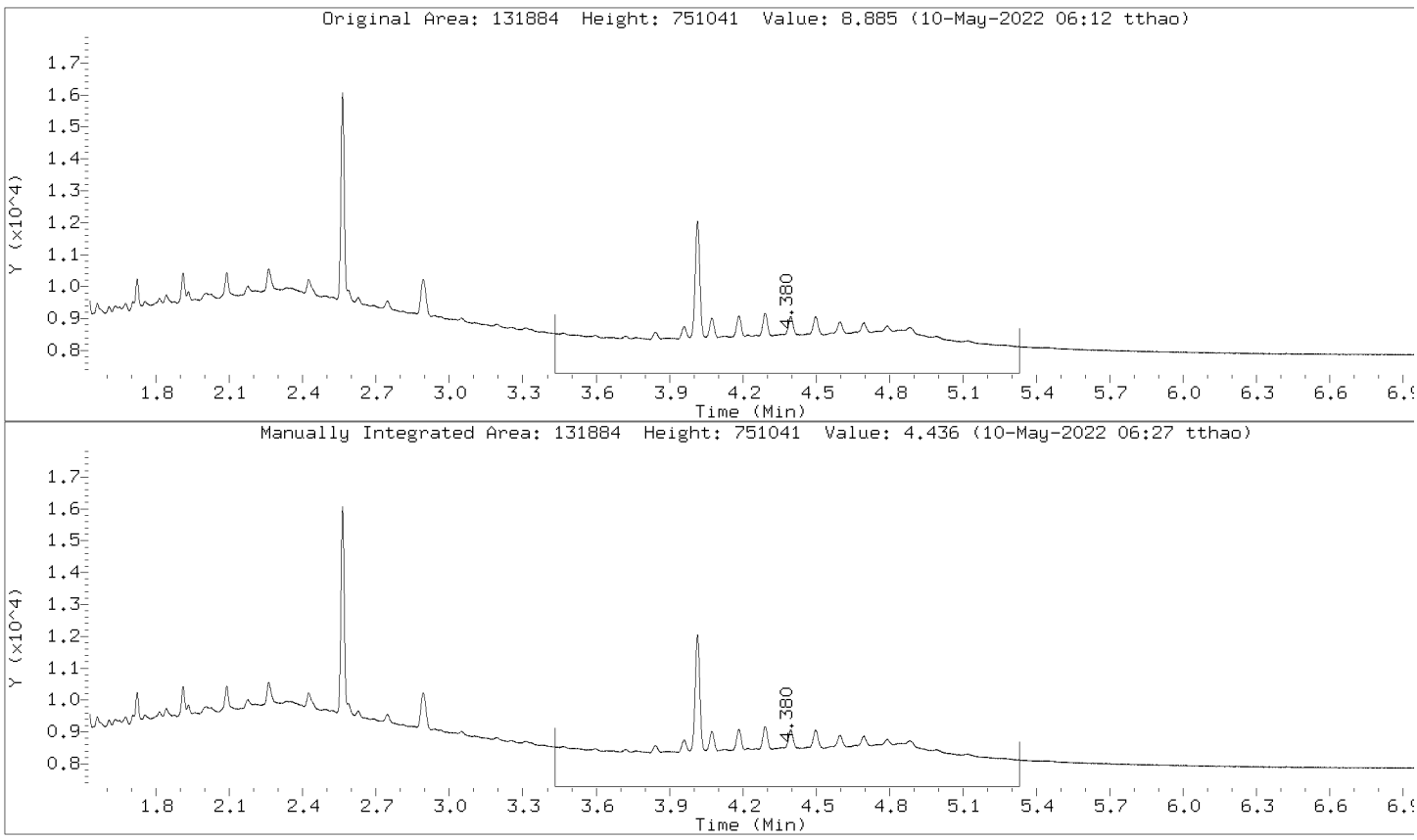
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



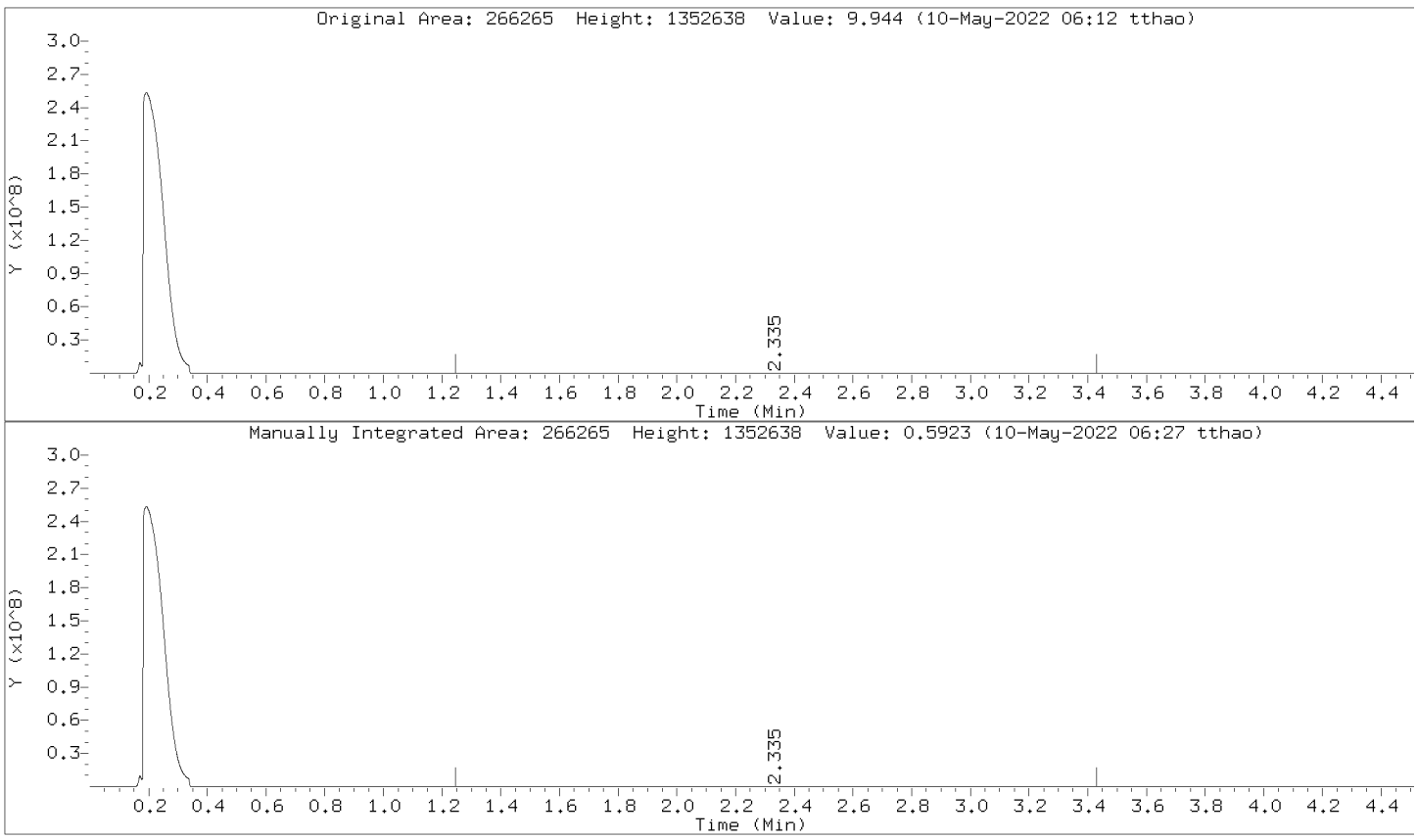
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



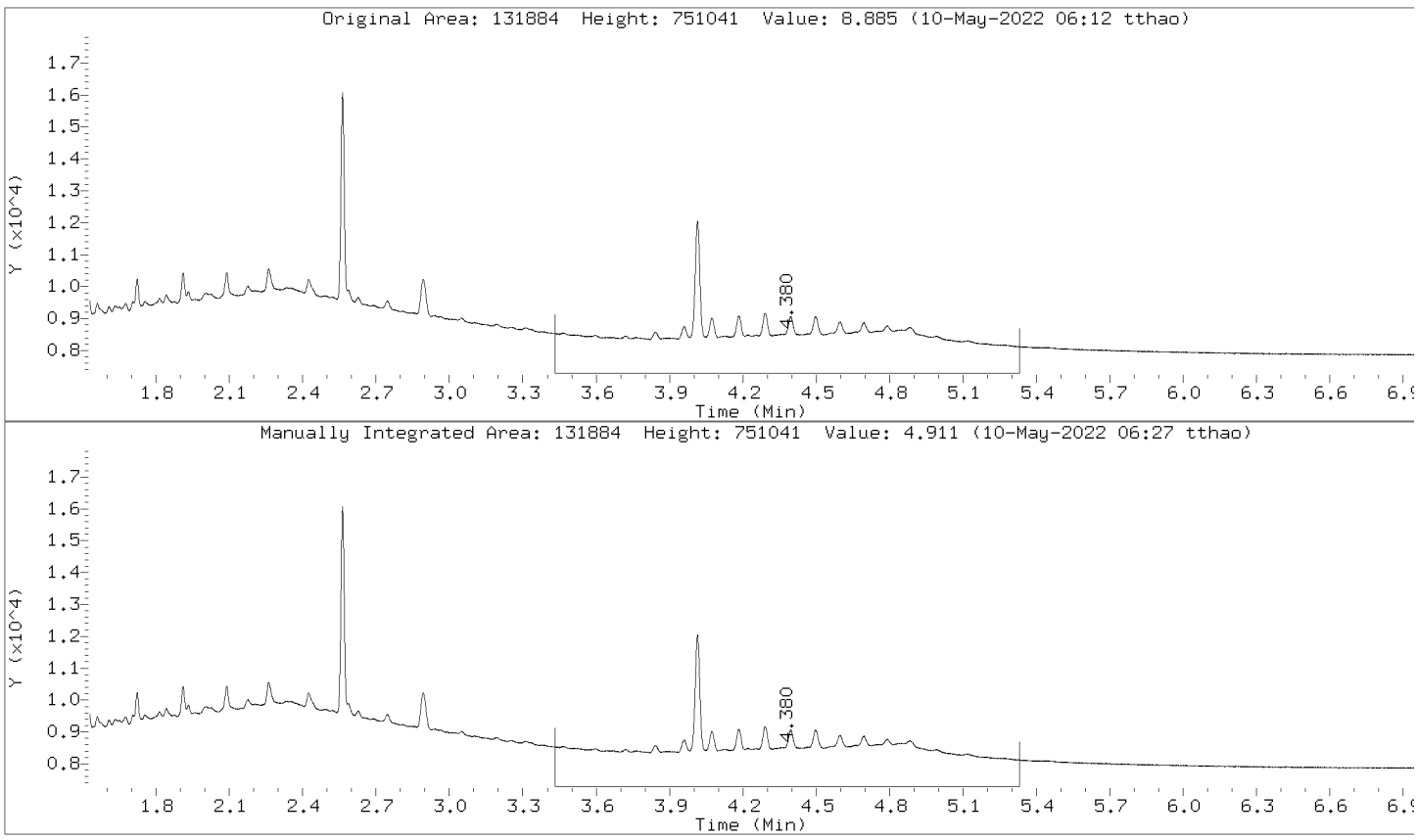
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



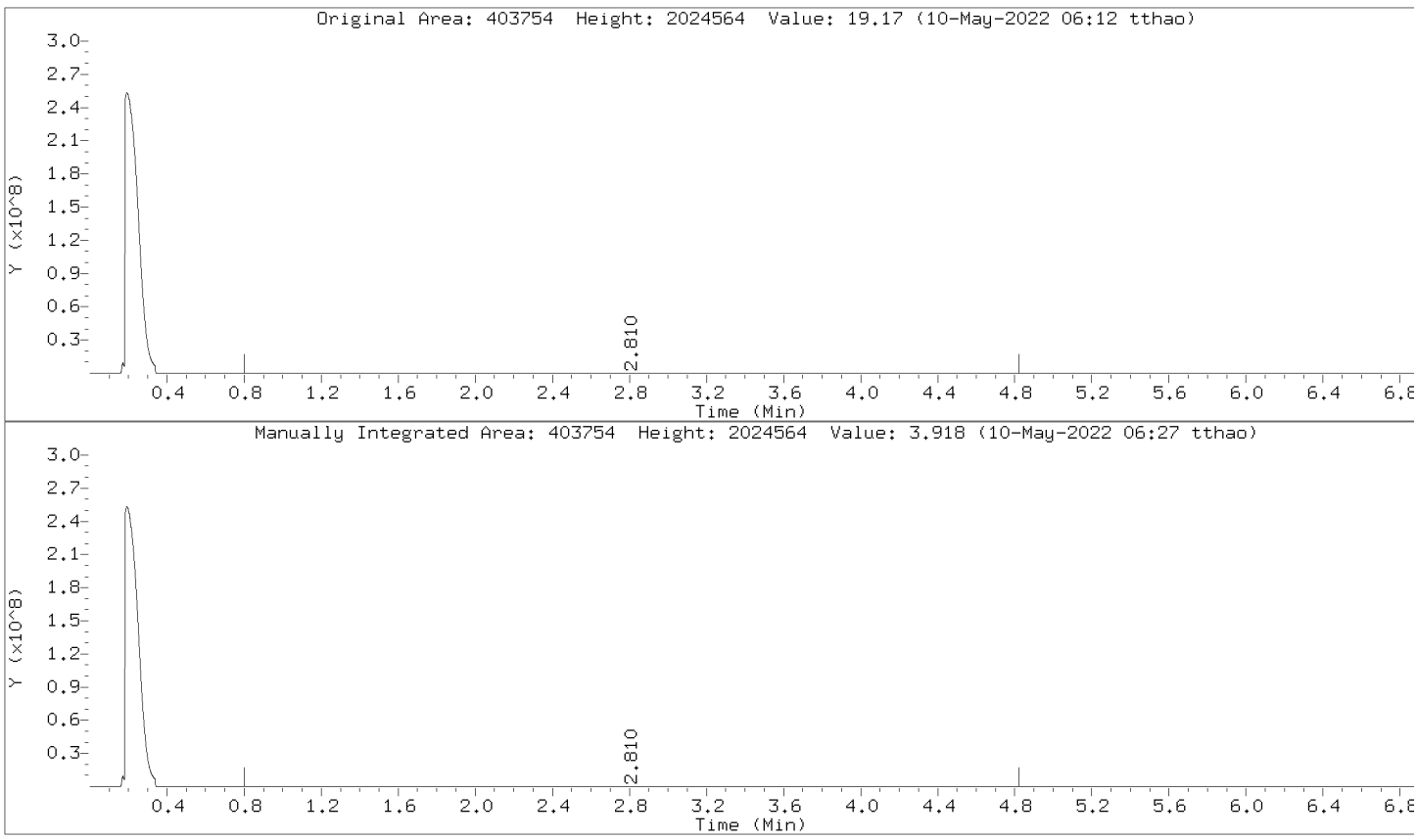
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: C10-C36 Review Code: RNG
CAS Number:



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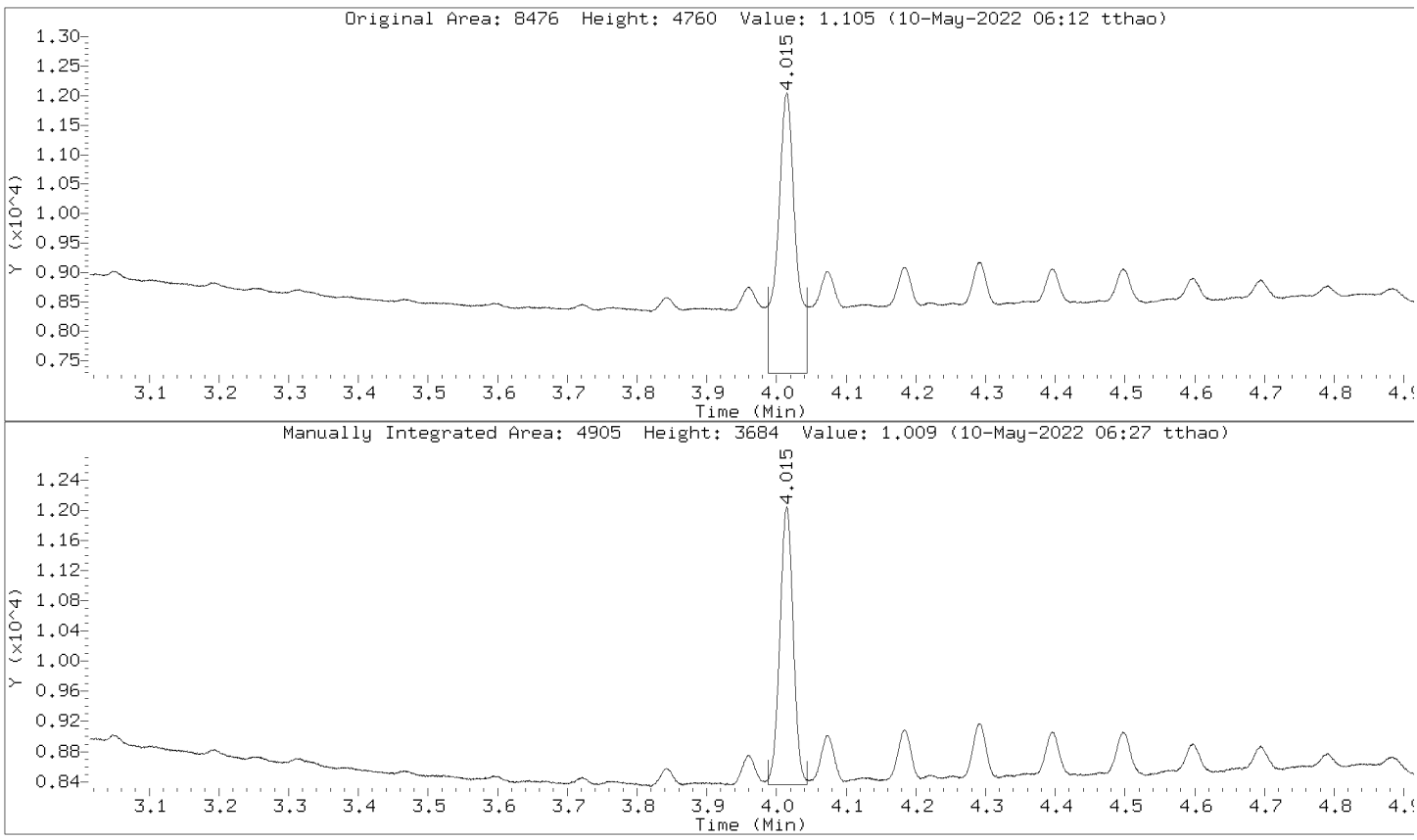
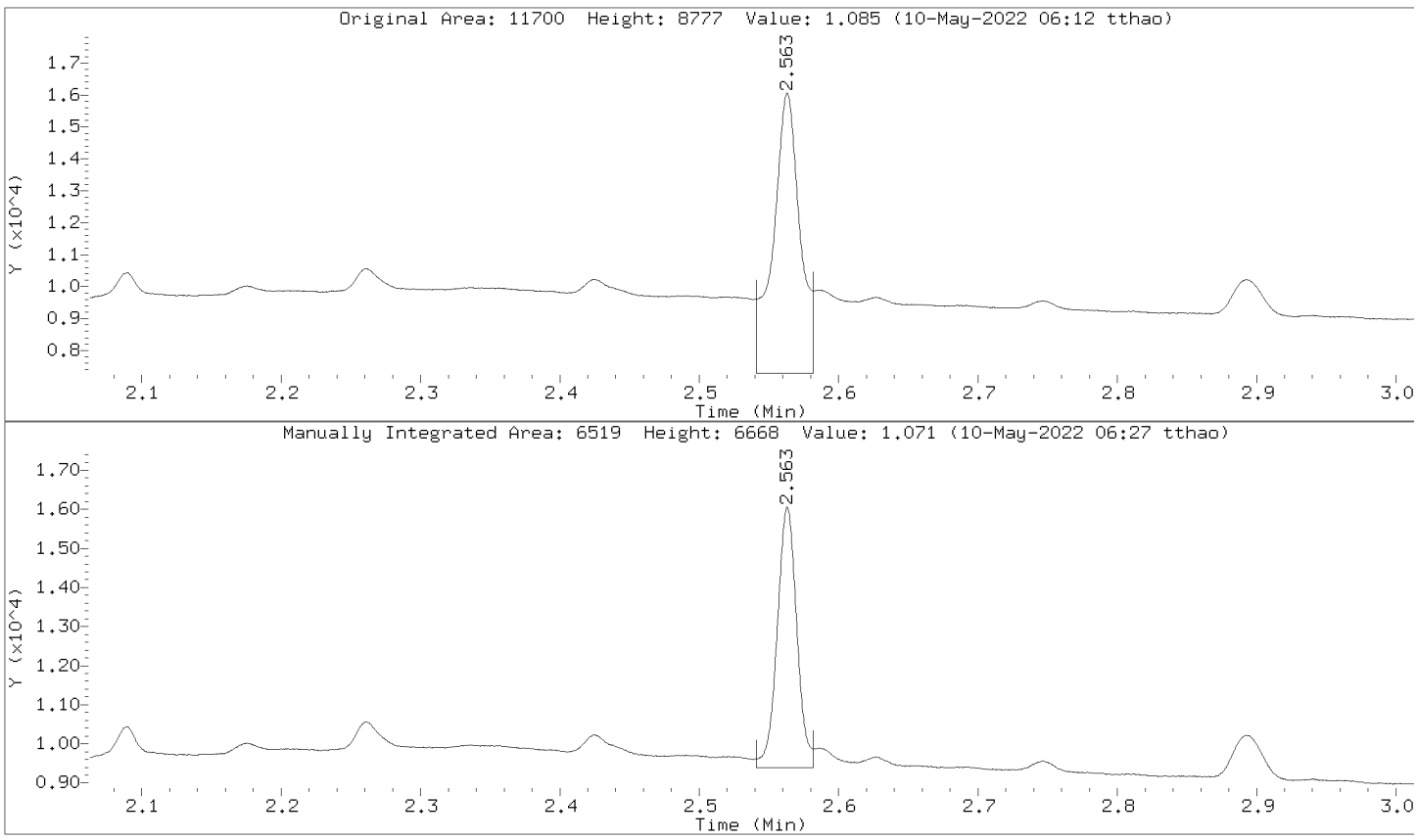
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	103492	103492
DRO by AK 102	300261	300261
TPH-DRO (C10-C28)	338750	338750
Motor Oil Range (C24-C36)	115167	115167
Diesel Fuel Range	266265	266265
Motor Oil Range	131884	131884
Diesel Fuel Range SG	266265	266265
Motor Oil Range SG	131884	131884
C10-C36	403754	403754
n-Triacontane (S)	8476	4905
o-Terphenyl (S)	11700	6519

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000026.D
Lab Smp Id: DMO-CAL3,364981:2 Client Smp ID: DMO-CAL3,364981:2
Inj Date : 09-MAY-2022 15:43
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal3,364981:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		389510	25.0000	18.5	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.563	2.565	-0.002	15641	2.50000	2.57	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.015	4.017	-0.002	12598	2.50000	2.59	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		165785	25.0000	22.5	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		442147	25.0000	19.4	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		181686	25.0000	22.9	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		555295	50.0000	40.0	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		342102	25.0000	18.1	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		342102	25.0000	18.1	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		204704	25.0000	23.2	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		204704	25.0000	23.6	(M)	RNG

QC Flag Legend

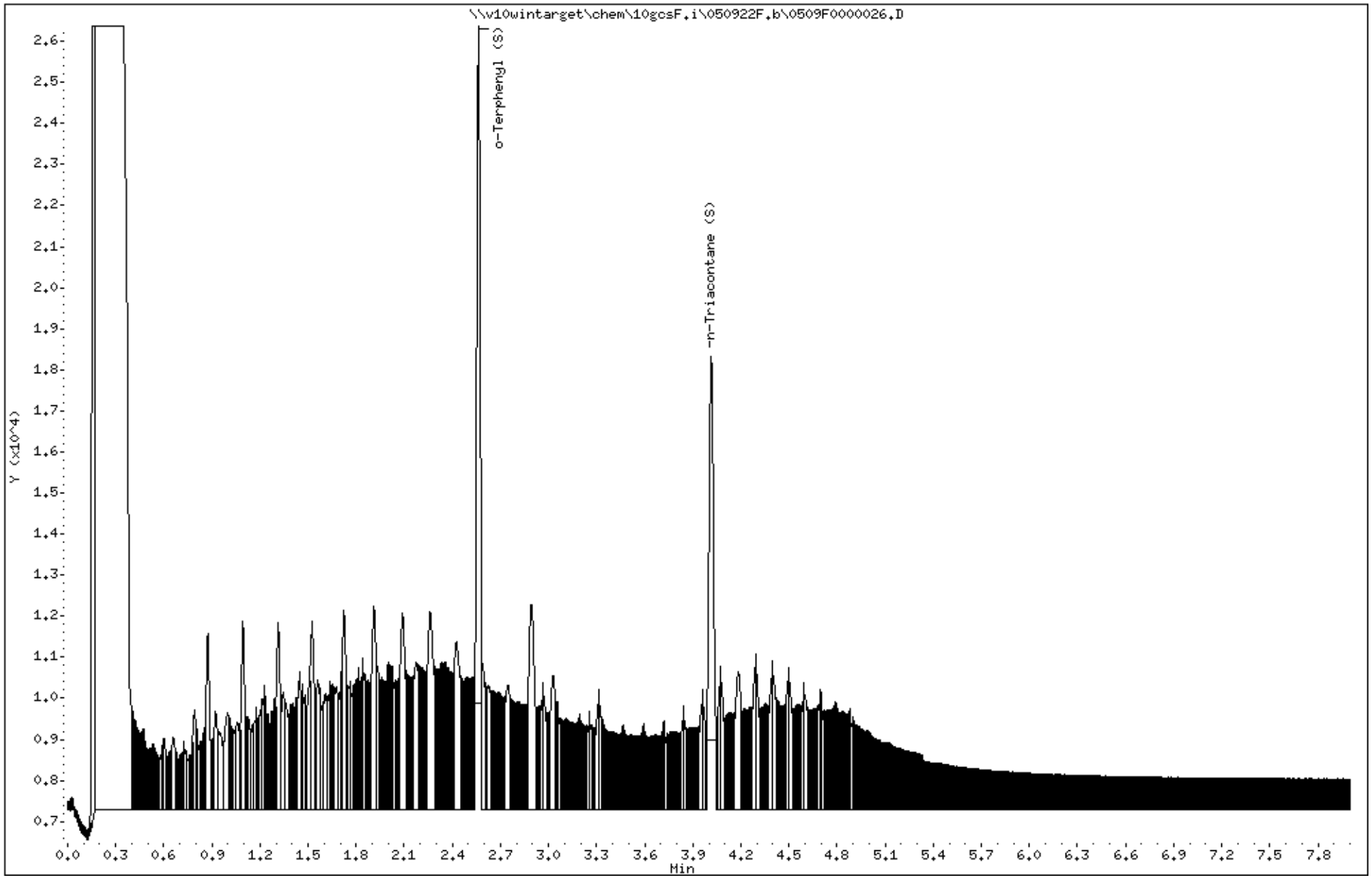
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000026.D
Date : 09-MAY-2022 15:43
Client ID: DMO-CAL3,364981:2
Sample Info: DMO-CAL3,364981:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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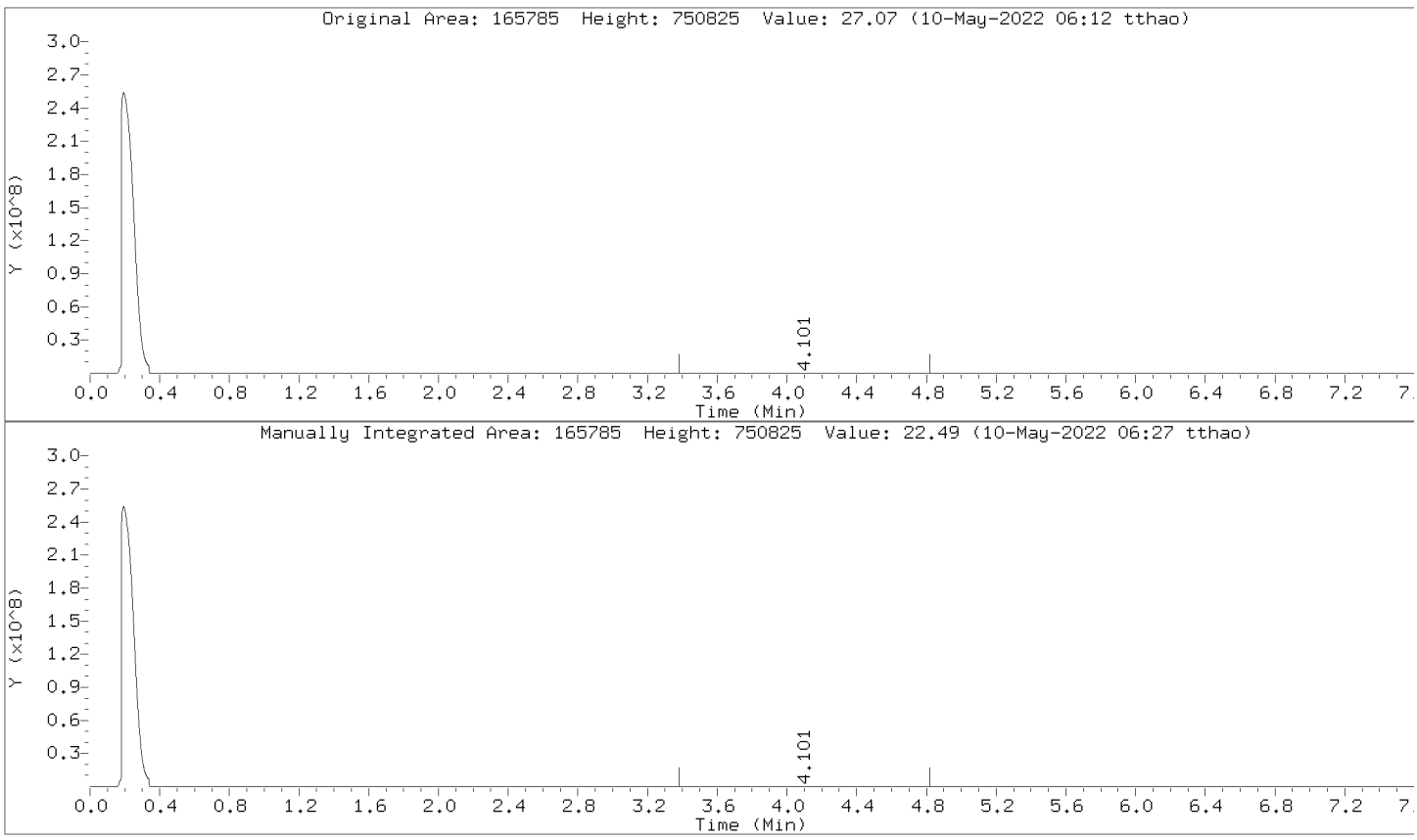
39 of 653
10606563

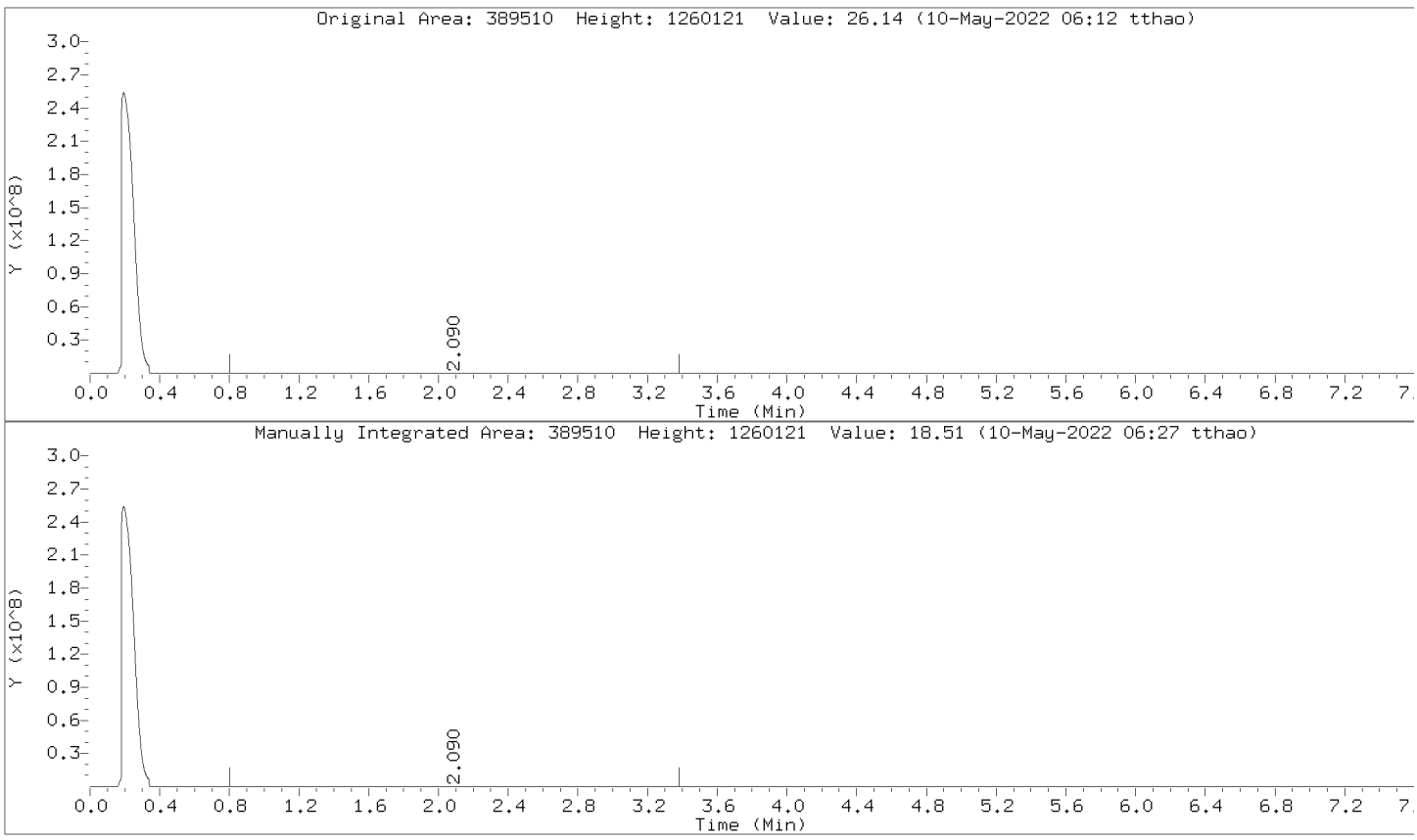
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



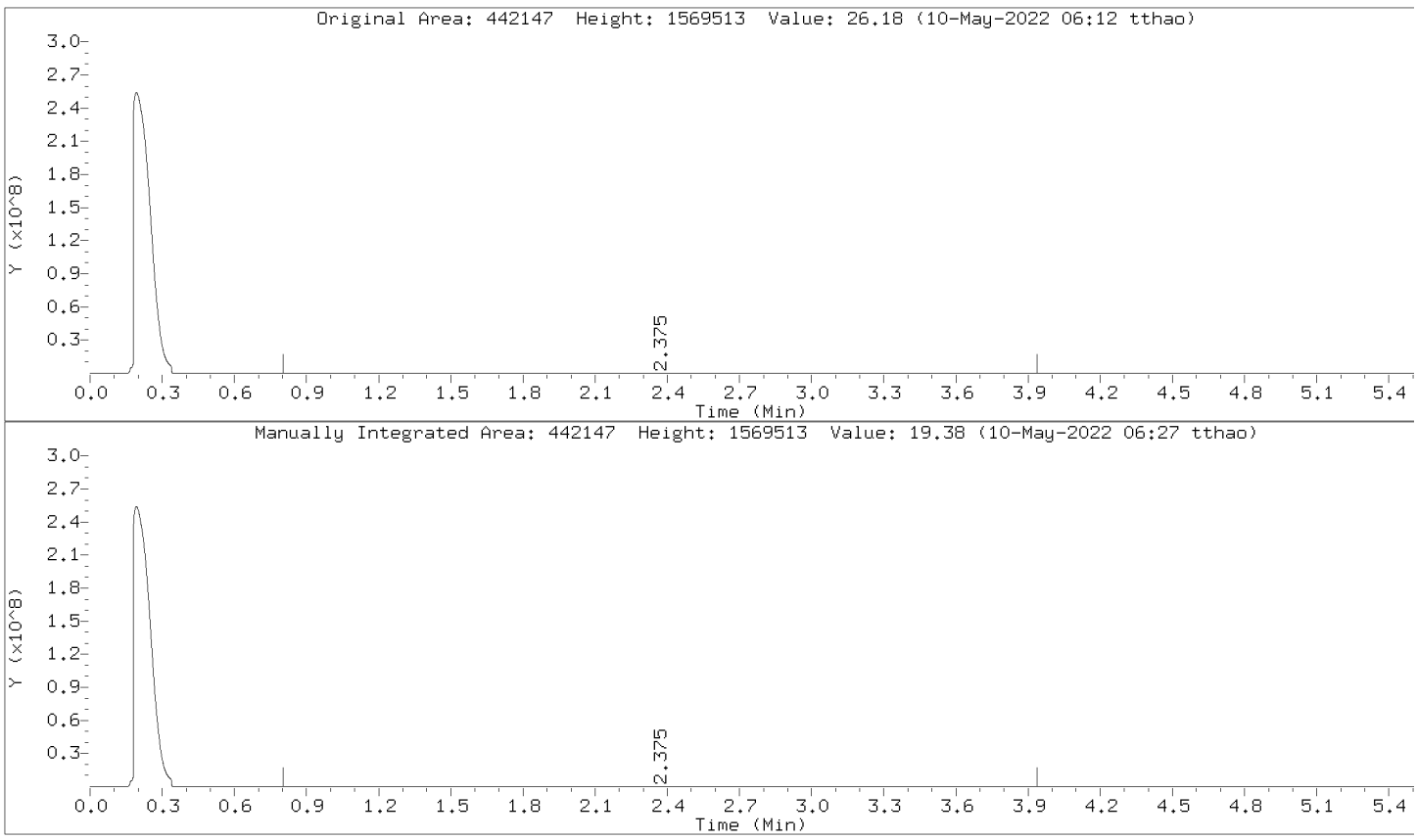
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



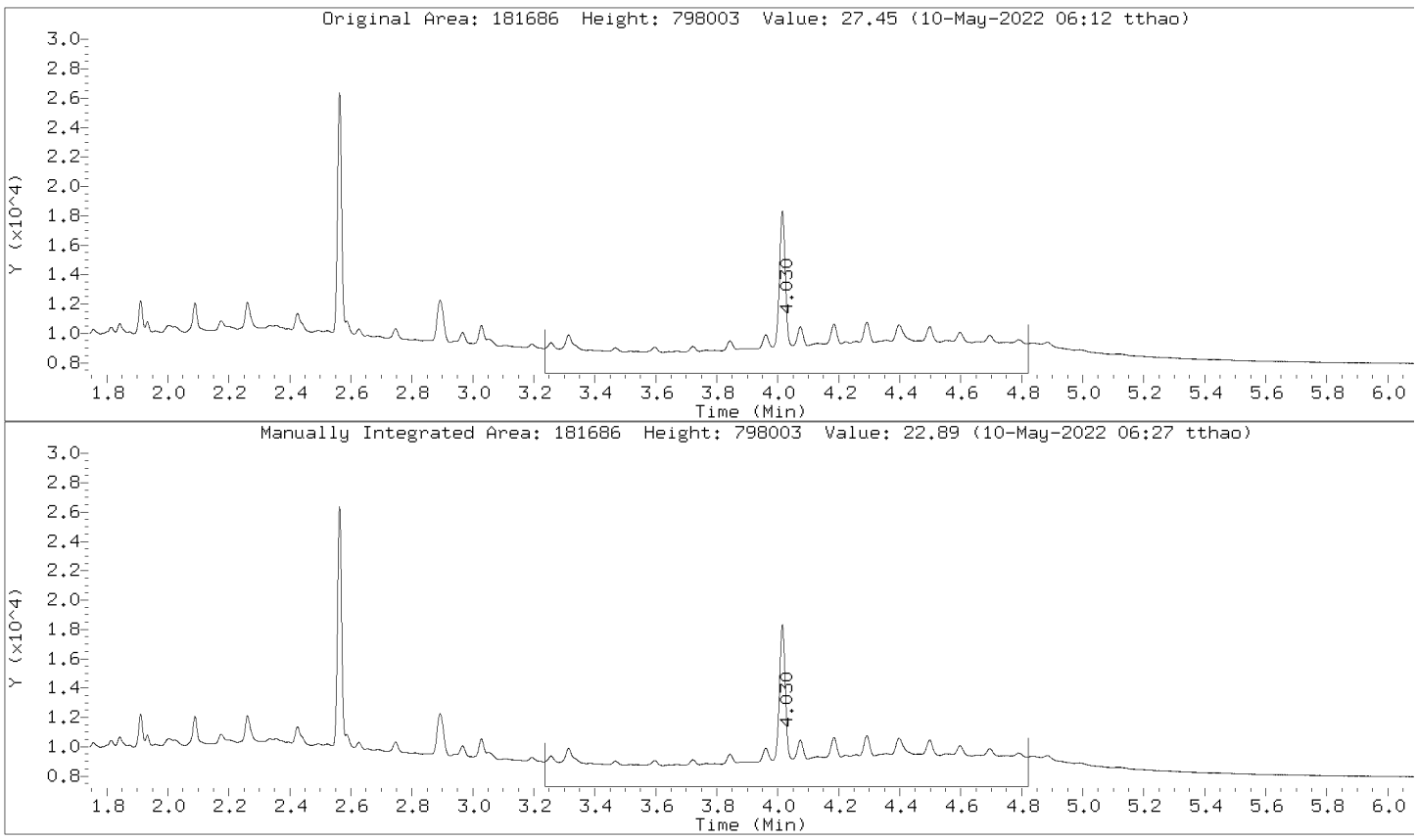
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



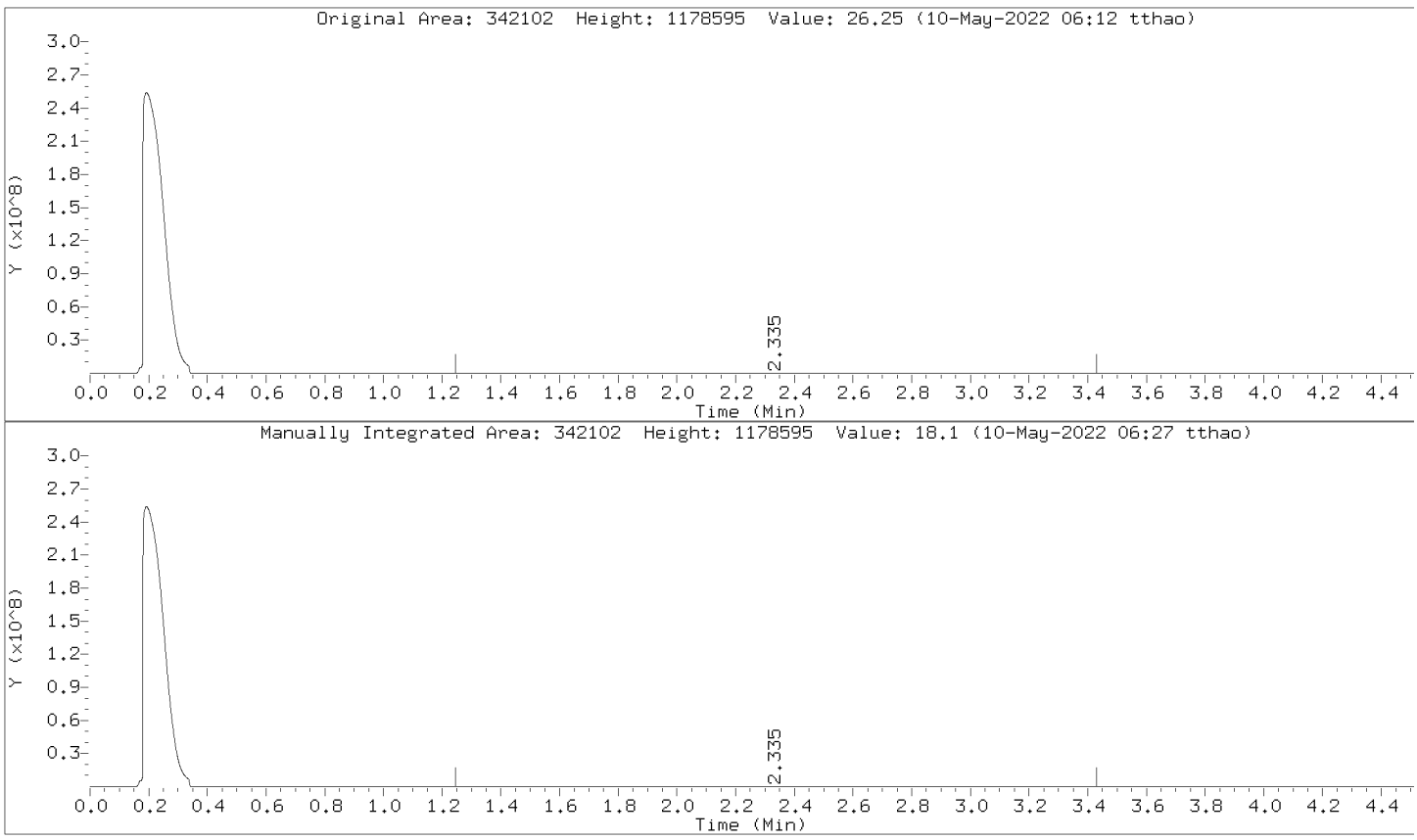
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



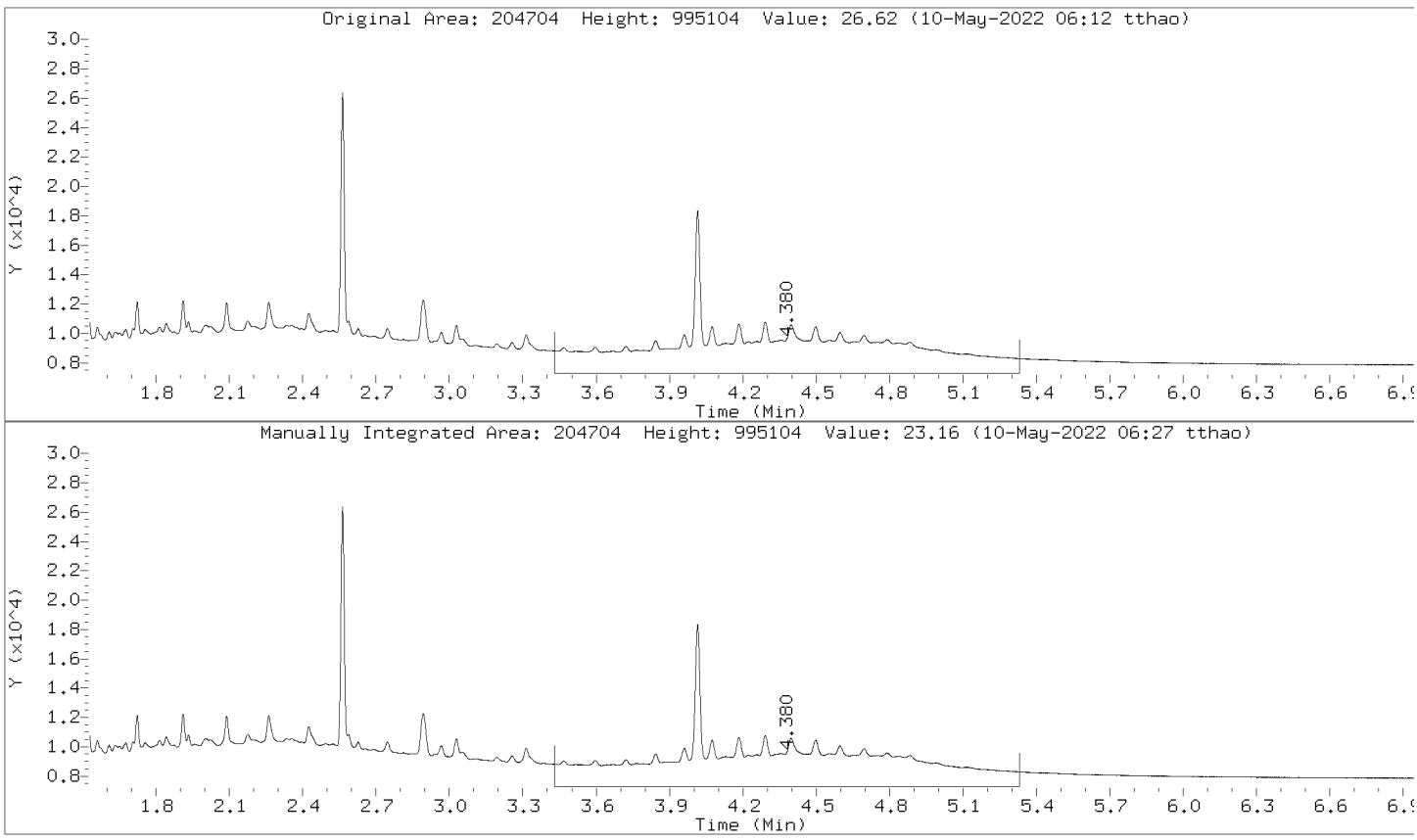
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



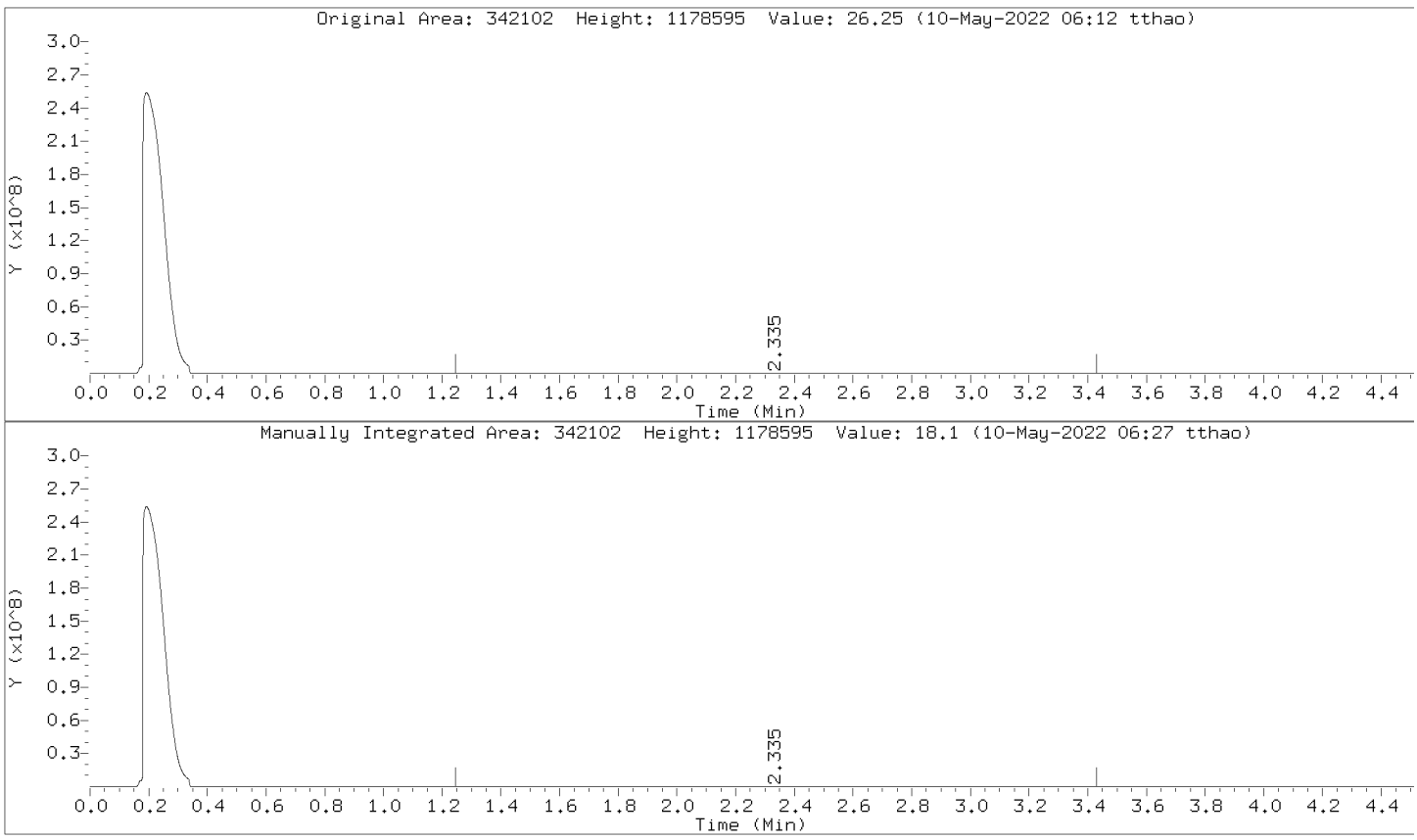
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



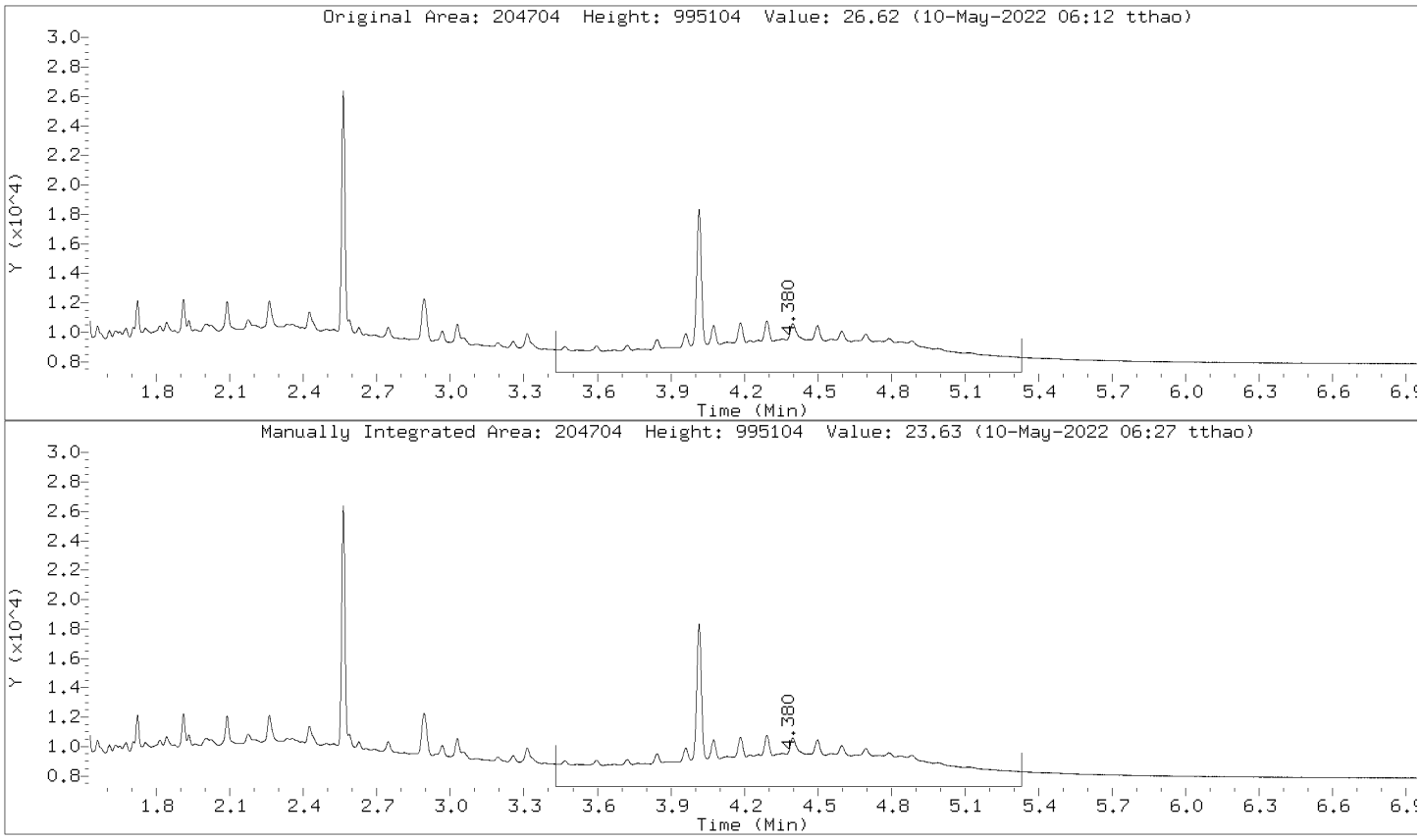
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



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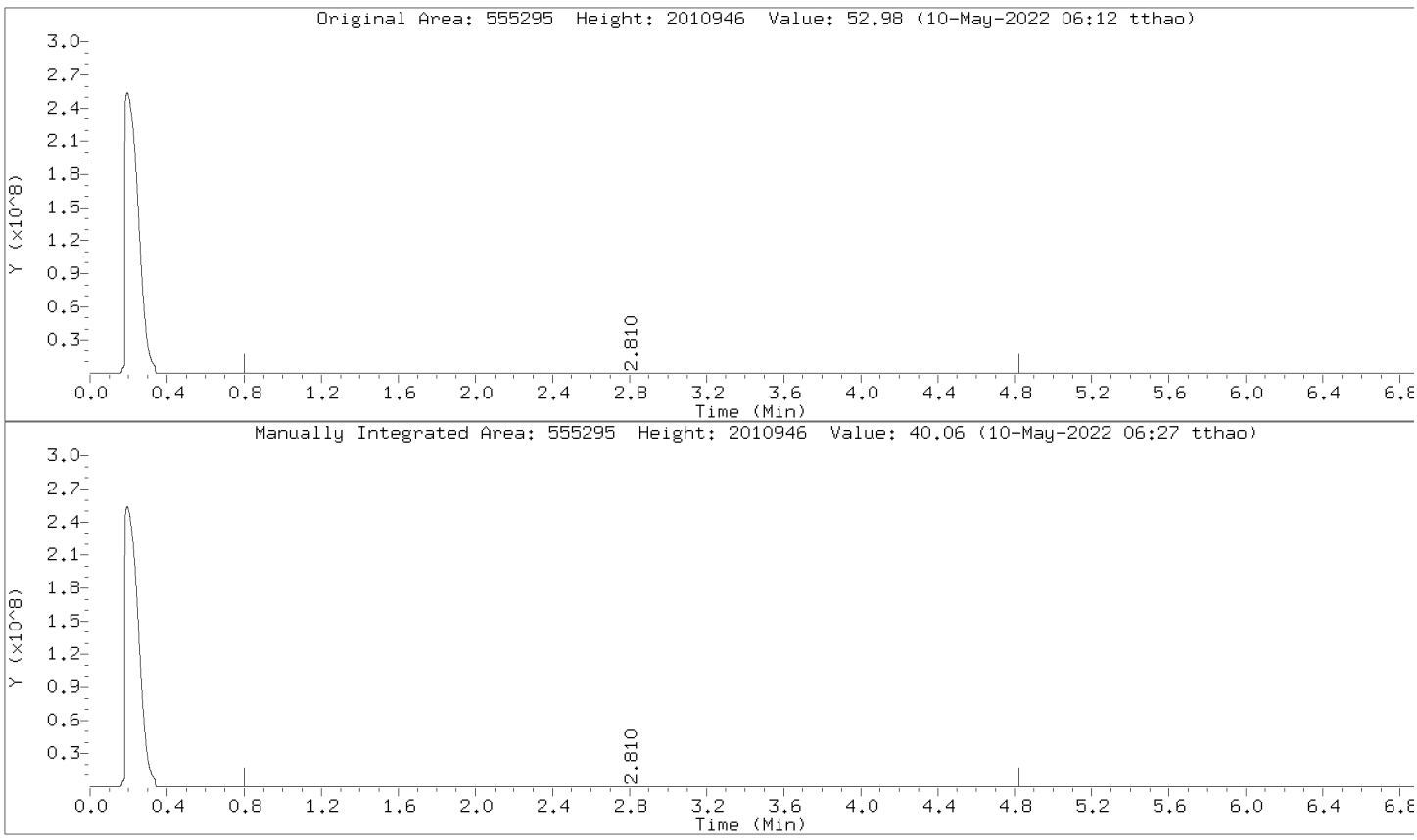
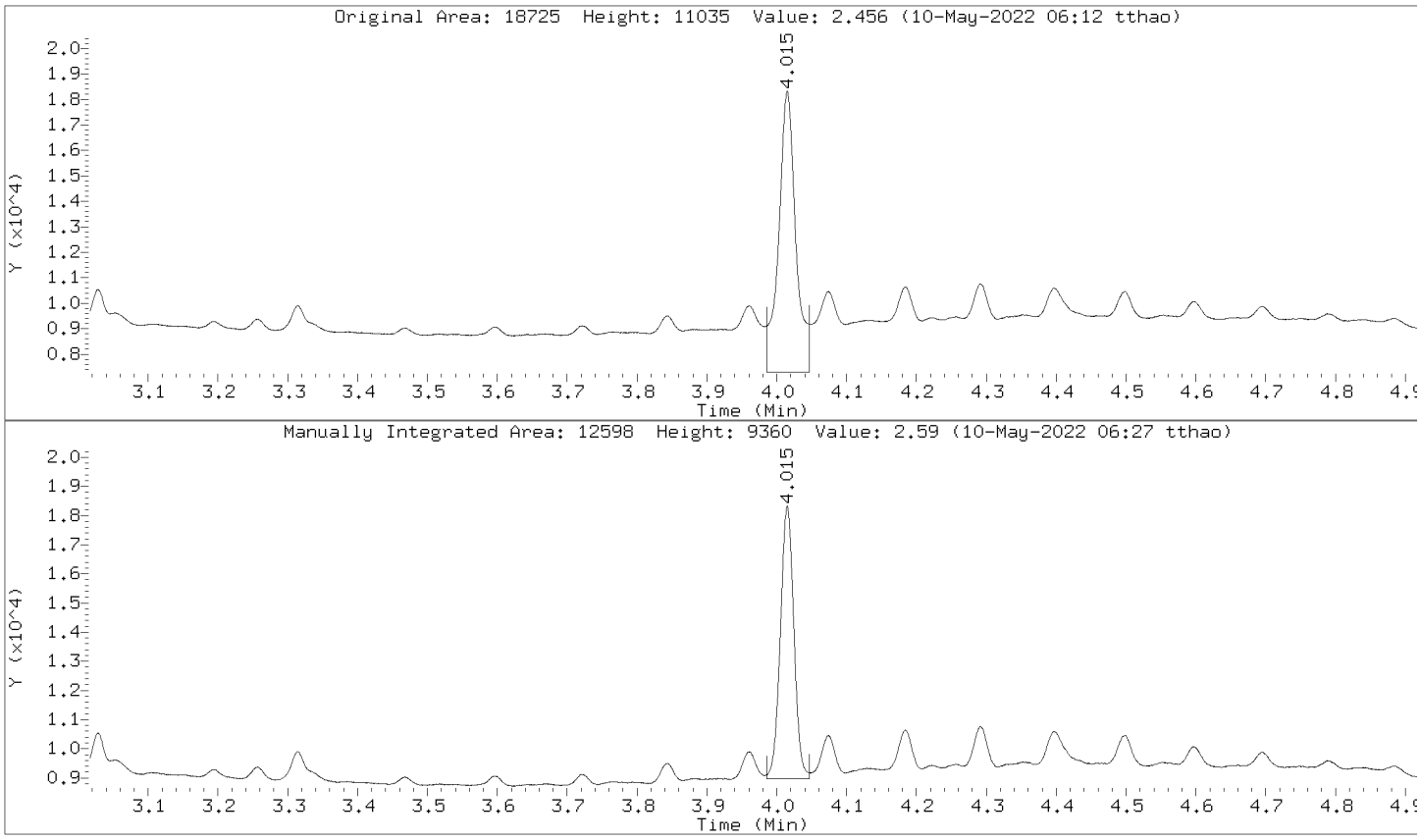
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: C10-C36 Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



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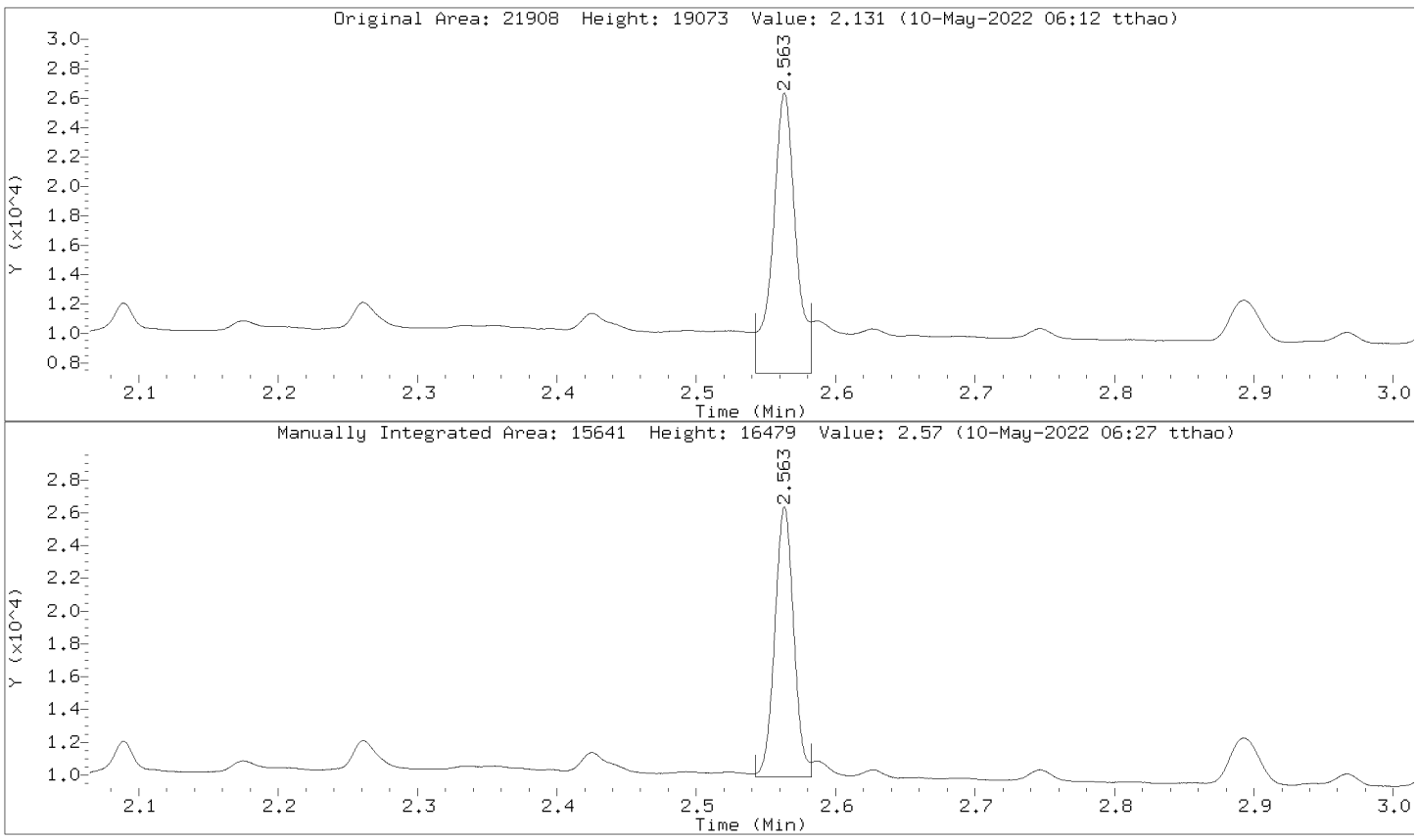
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	165785	165785
DRO by AK 102	389510	389510
TPH-DRO (C10-C28)	442147	442147
Motor Oil Range (C24-C36)	181686	181686
Diesel Fuel Range	342102	342102
Motor Oil Range	204704	204704
Diesel Fuel Range SG	342102	342102
Motor Oil Range SG	204704	204704
C10-C36	555295	555295
n-Triacontane (S)	18725	12598
o-Terphenyl (S)	21908	15641

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000027.D
Lab Smp Id: DMO-CAL4,364982:2 Client Smp ID: DMO-CAL4,364982:2
Inj Date : 09-MAY-2022 15:54
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal4,364982:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		517634	50.0000	43.2	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.563	2.565	-0.002	30411	5.00000	5.00	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.014	4.017	-0.003	24771	5.00000	5.09	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		234087	50.0000	43.8	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		589190	50.0000	44.0	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		251409	50.0000	43.8	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		751878	100.000	86.9	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		448600	50.0000	42.7	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		448600	50.0000	42.7	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		289607	50.0000	45.0	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		289607	50.0000	45.5	(M)	RNG

QC Flag Legend

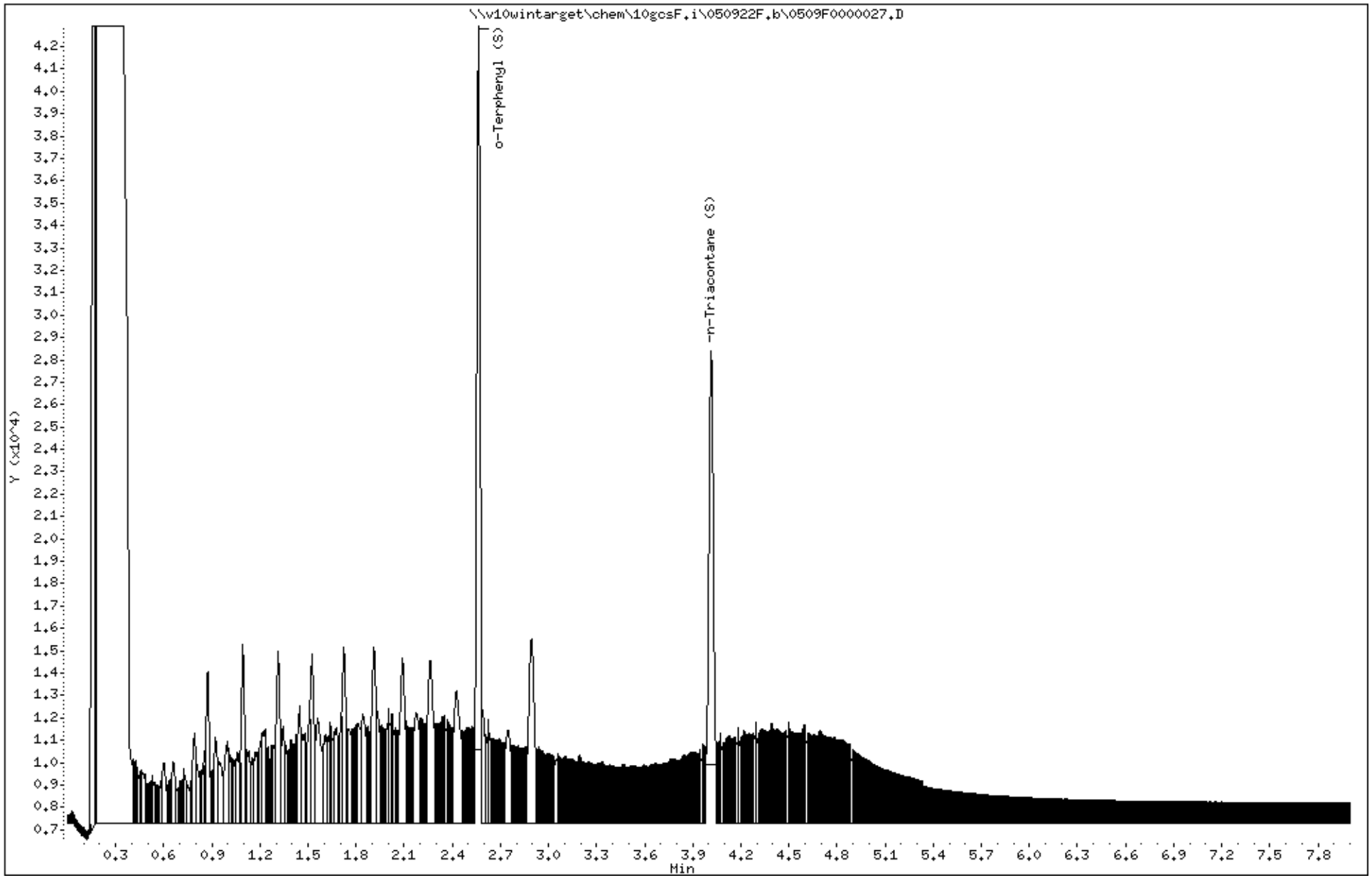
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

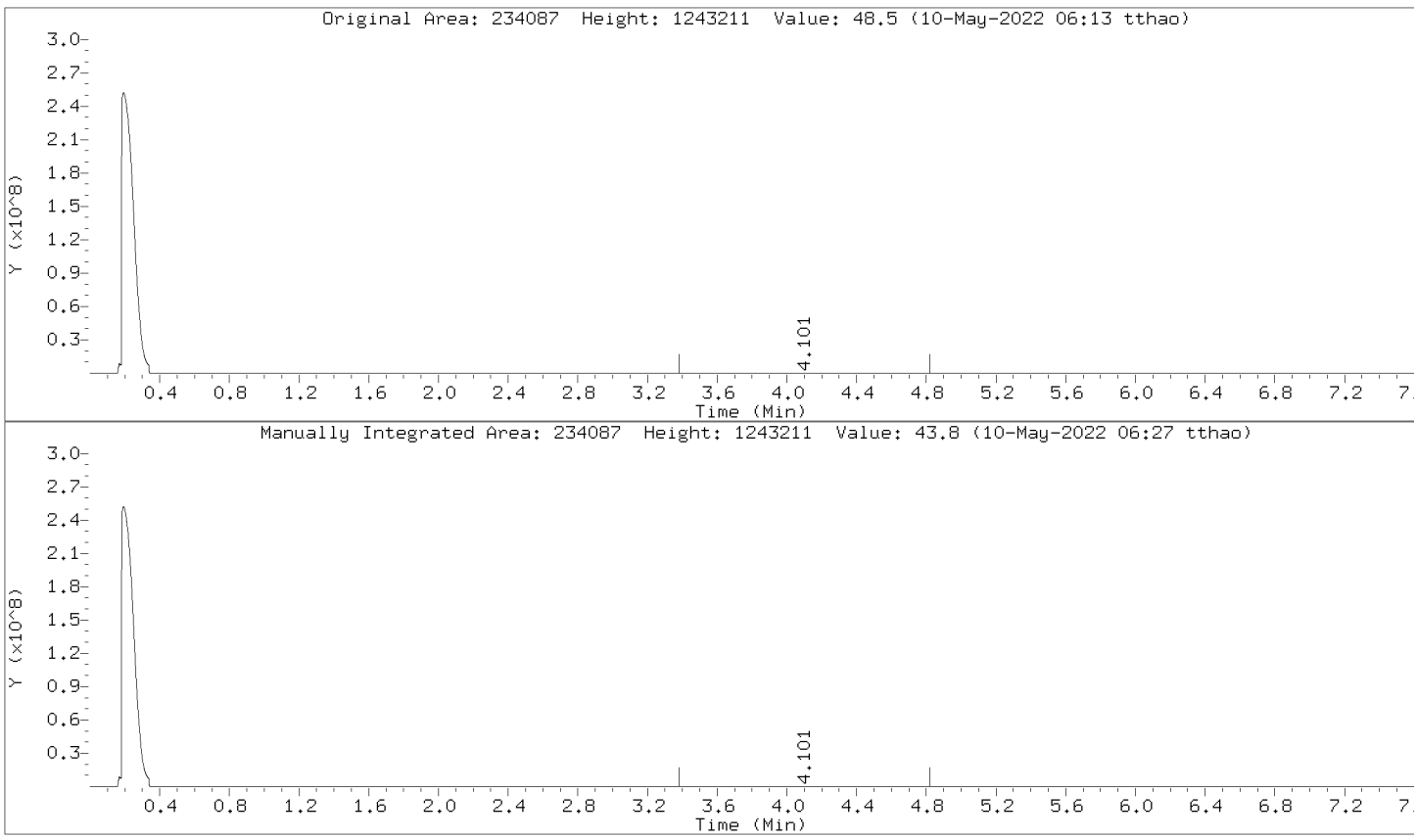
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000027.D
Date : 09-MAY-2022 15:54
Client ID: DMO-CAL4,364982:2
Sample Info: DMO-CAL4,364982:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



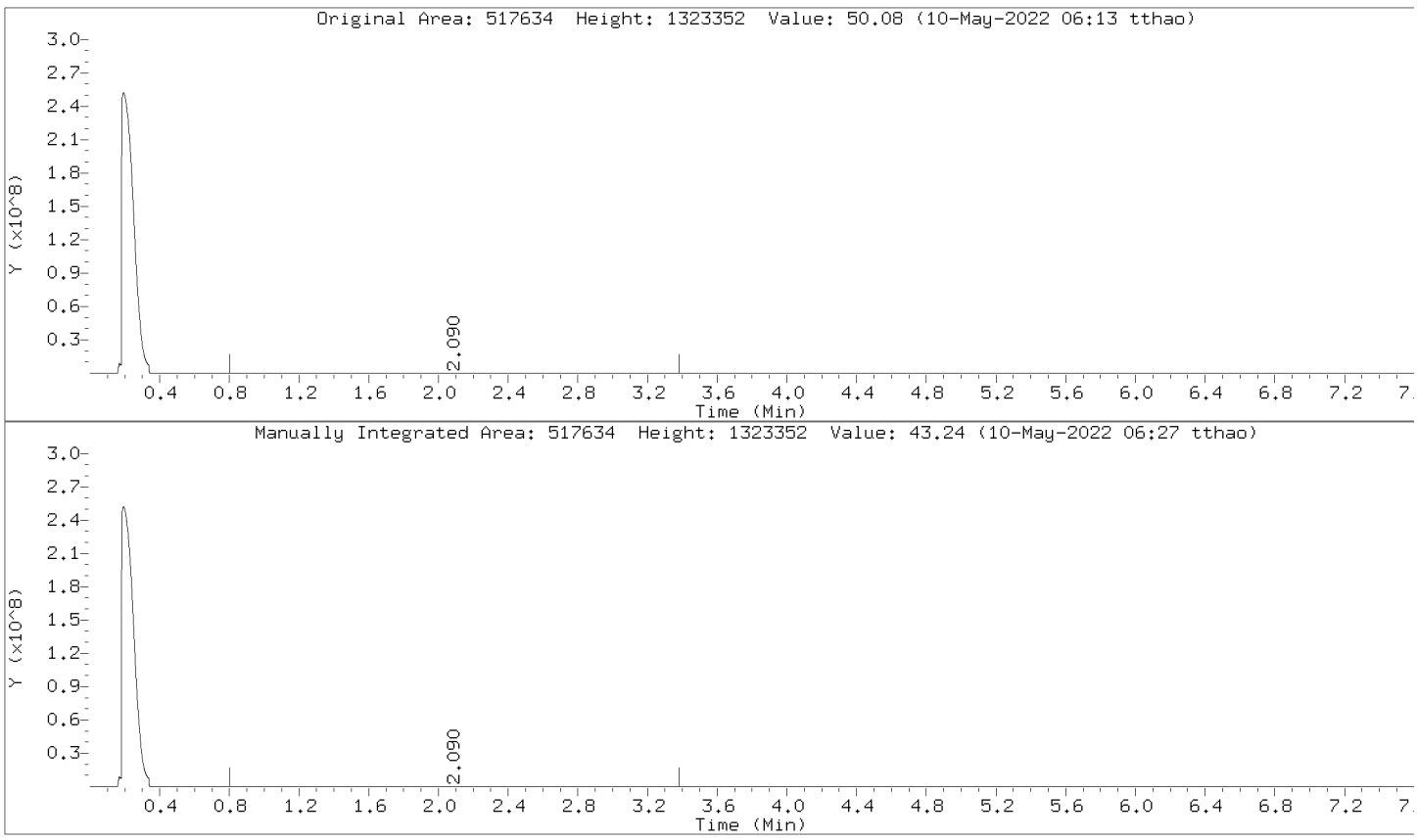
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



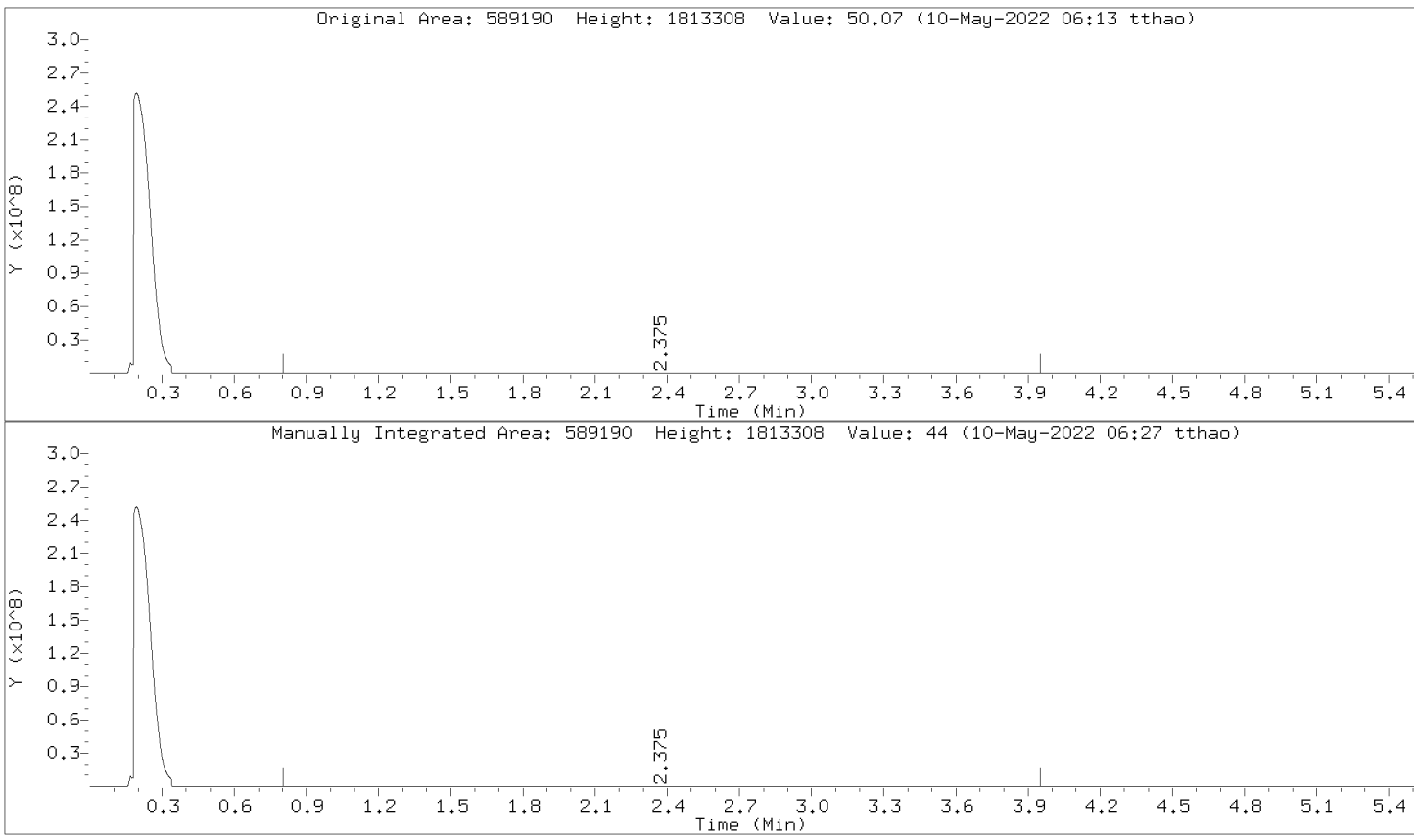
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



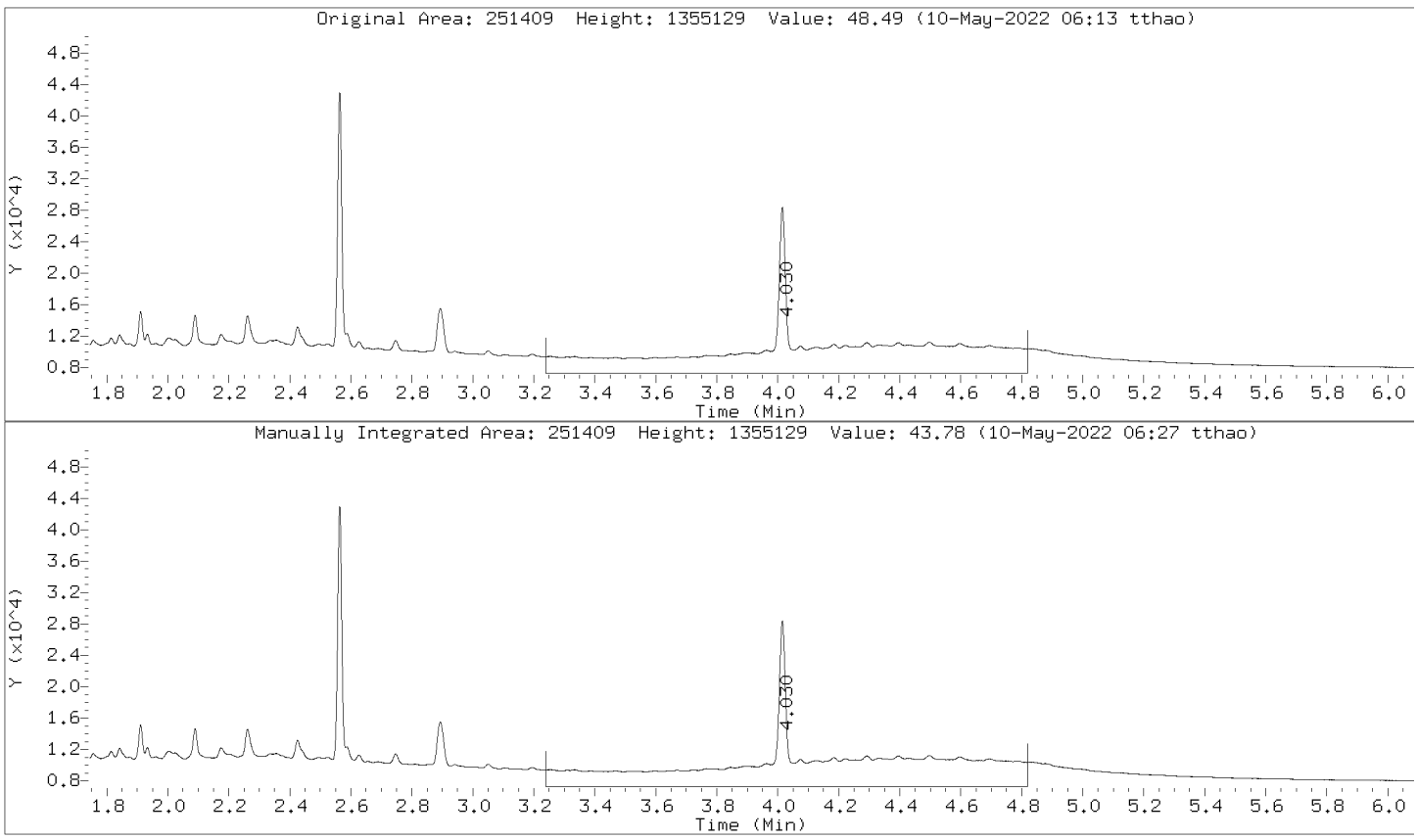
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



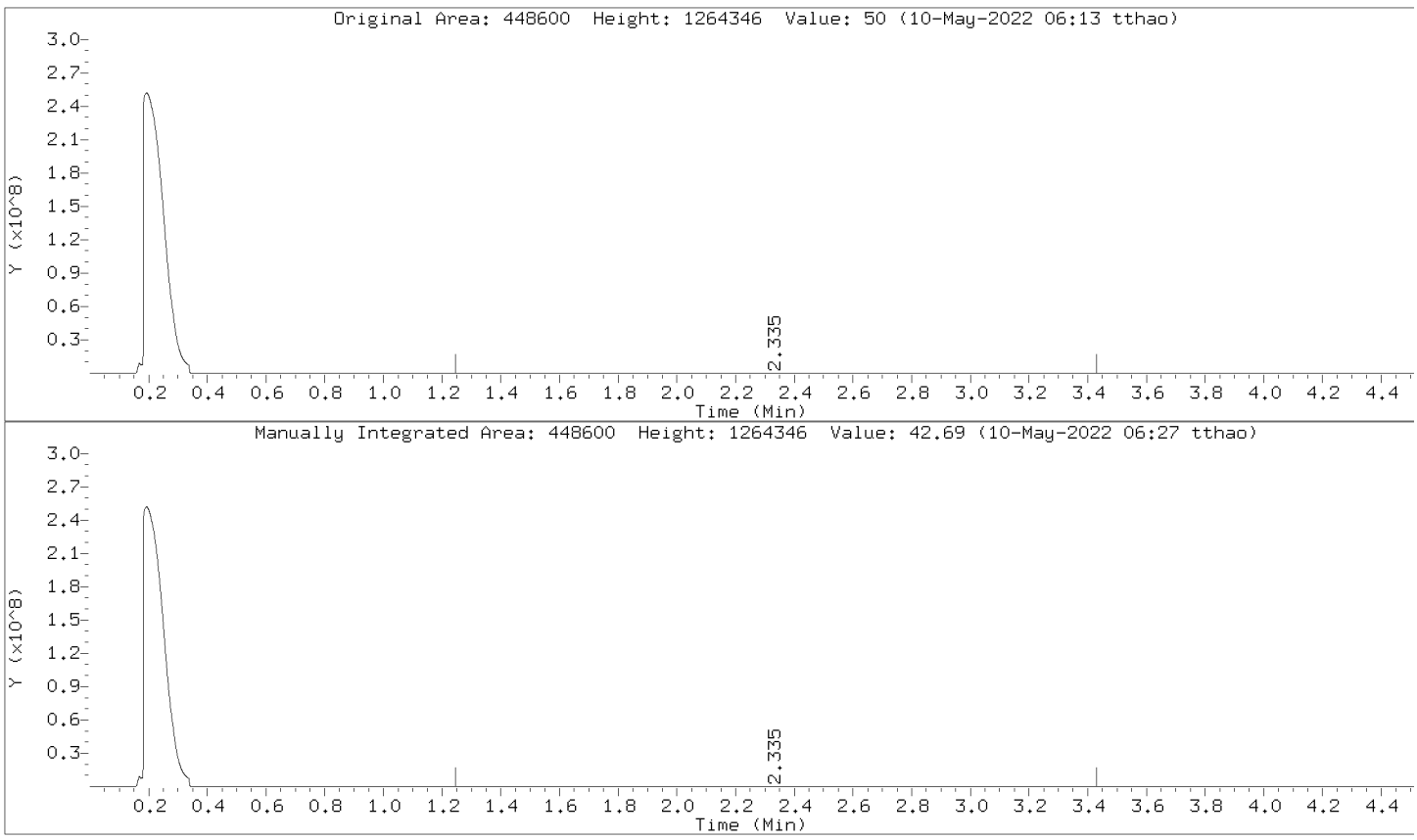
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



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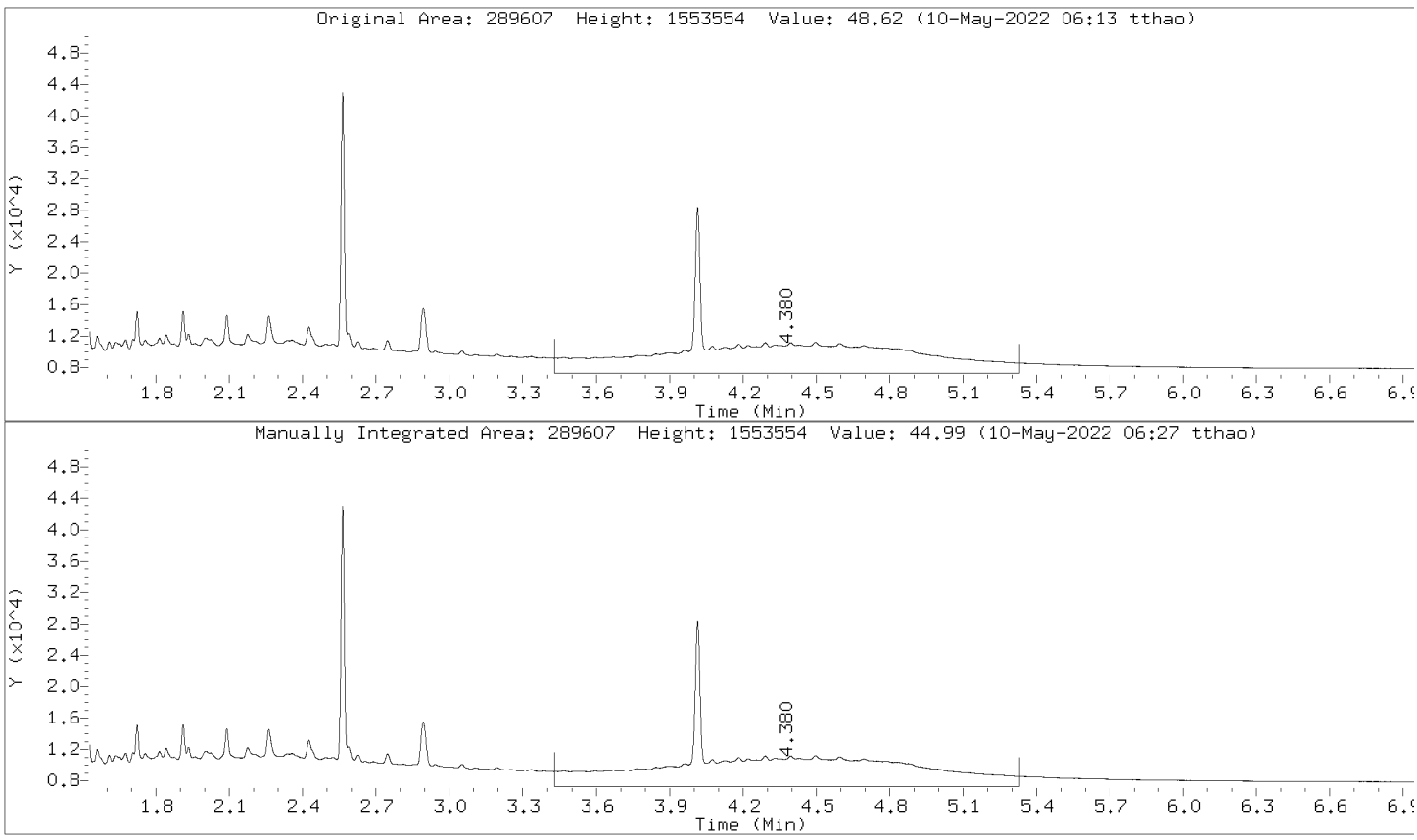
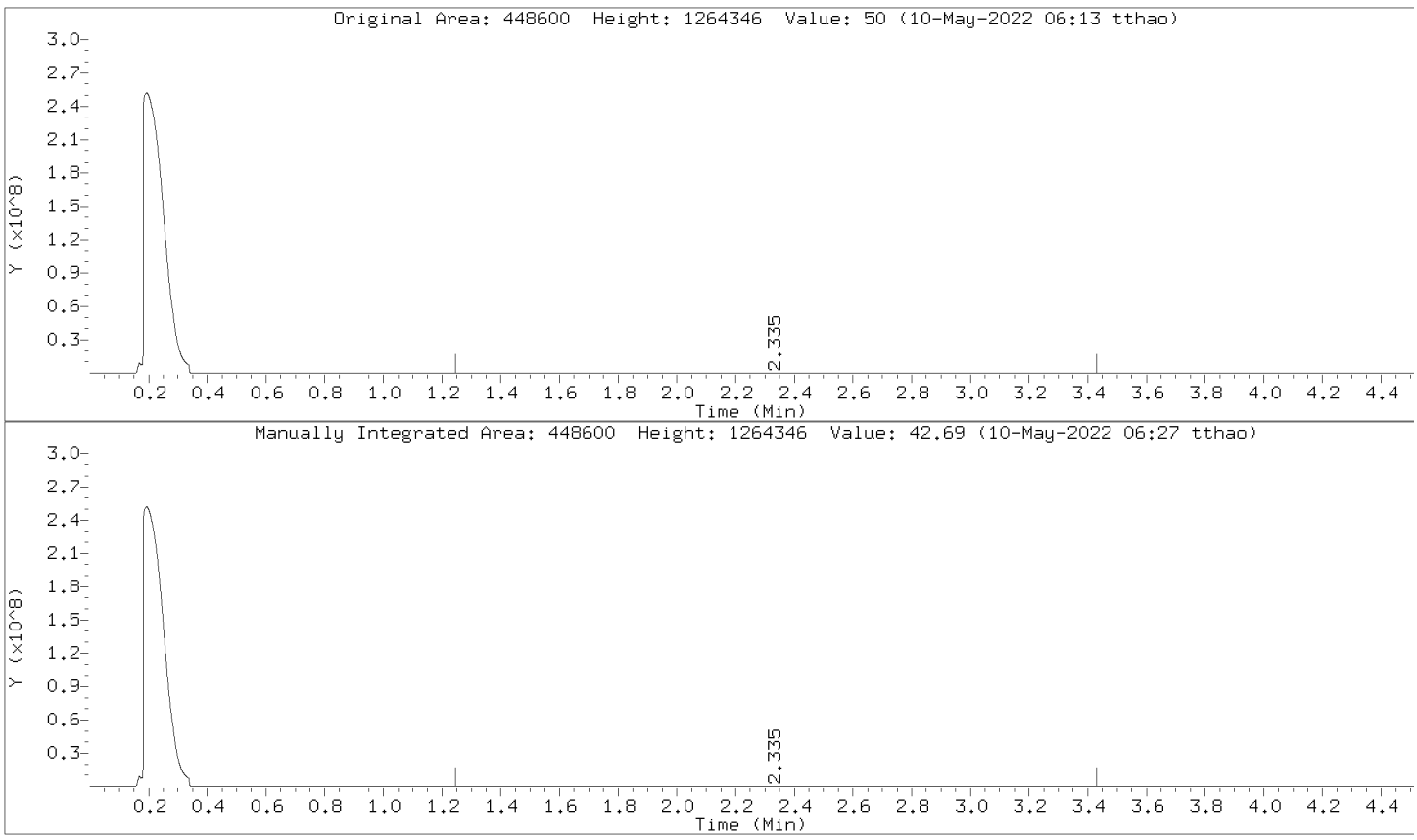
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



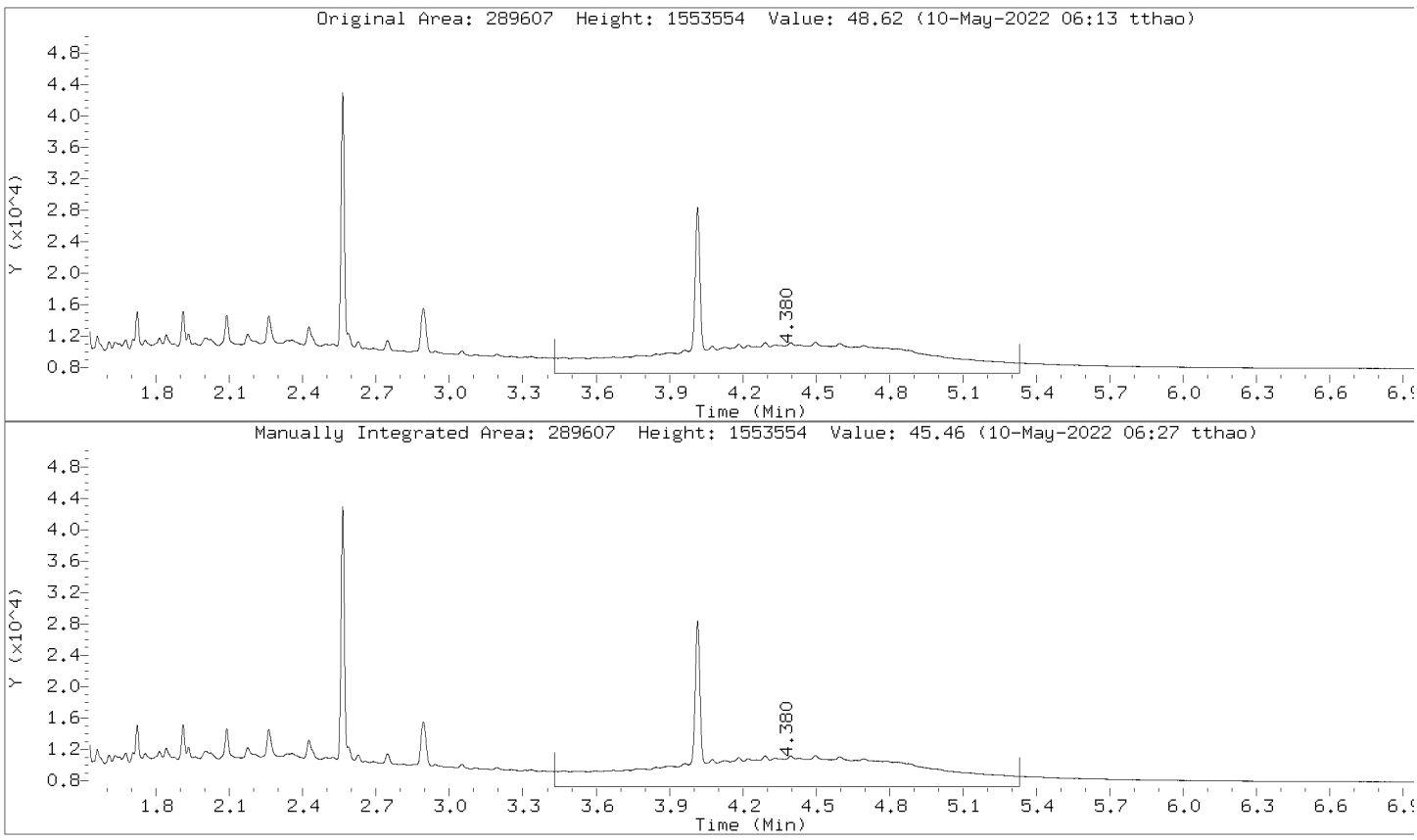
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



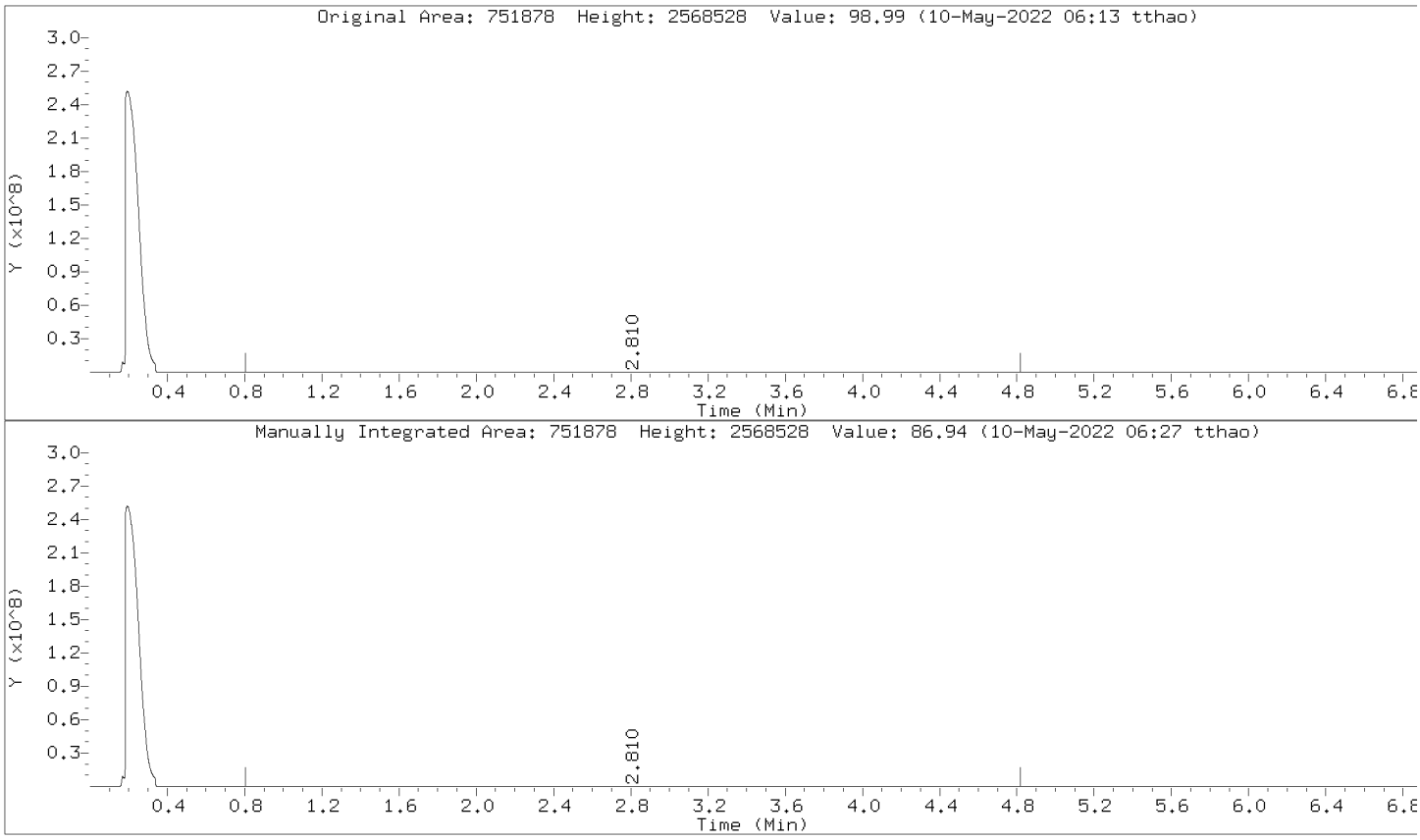
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



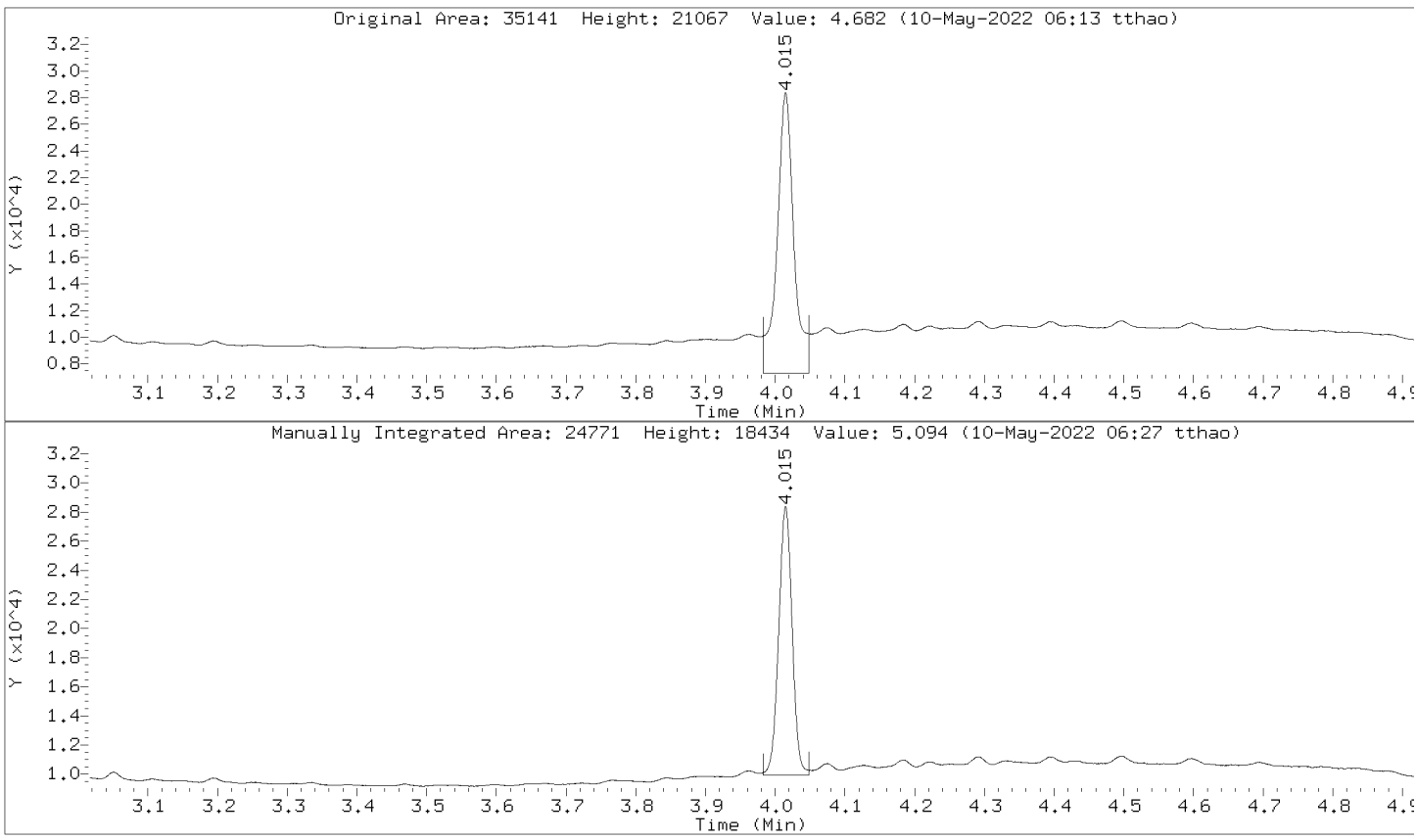
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: C10-C36 Review Code: RNG
CAS Number:



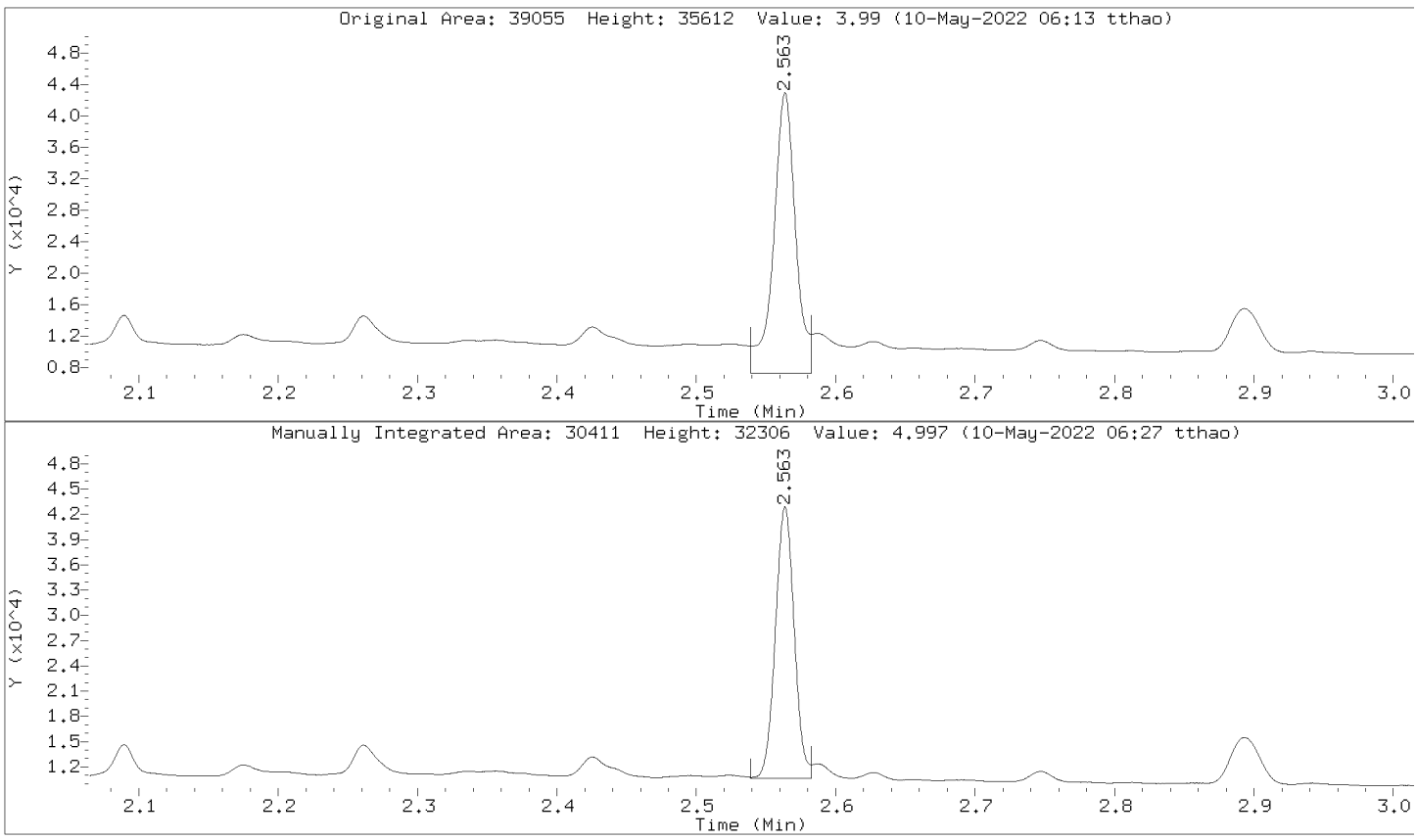
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	234087	234087
DRO by AK 102	517634	517634
TPH-DRO (C10-C28)	589190	589190
Motor Oil Range (C24-C36)	251409	251409
Diesel Fuel Range	448600	448600
Motor Oil Range	289607	289607
Diesel Fuel Range SG	448600	448600
Motor Oil Range SG	289607	289607
C10-C36	751878	751878
n-Triacontane (S)	35141	24771
o-Terphenyl (S)	39055	30411

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000028.D
Lab Smp Id: DMO-CAL5,364983:2 Client Smp ID: DMO-CAL5,364983:2
Inj Date : 09-MAY-2022 16:06
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal5,364983:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		786984	100.000	95.2	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.564	2.565	-0.001	60435	10.0000	9.93	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.015	4.017	-0.002	48857	10.0000	10.0	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		404664	100.000	97.0	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		897834	100.000	95.7	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		428533	100.000	96.8	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		1191648	200.000	192	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		674532	100.000	94.8	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		674532	100.000	94.8	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		494946	100.000	97.8	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		494946	100.000	98.2	(M)	RNG

QC Flag Legend

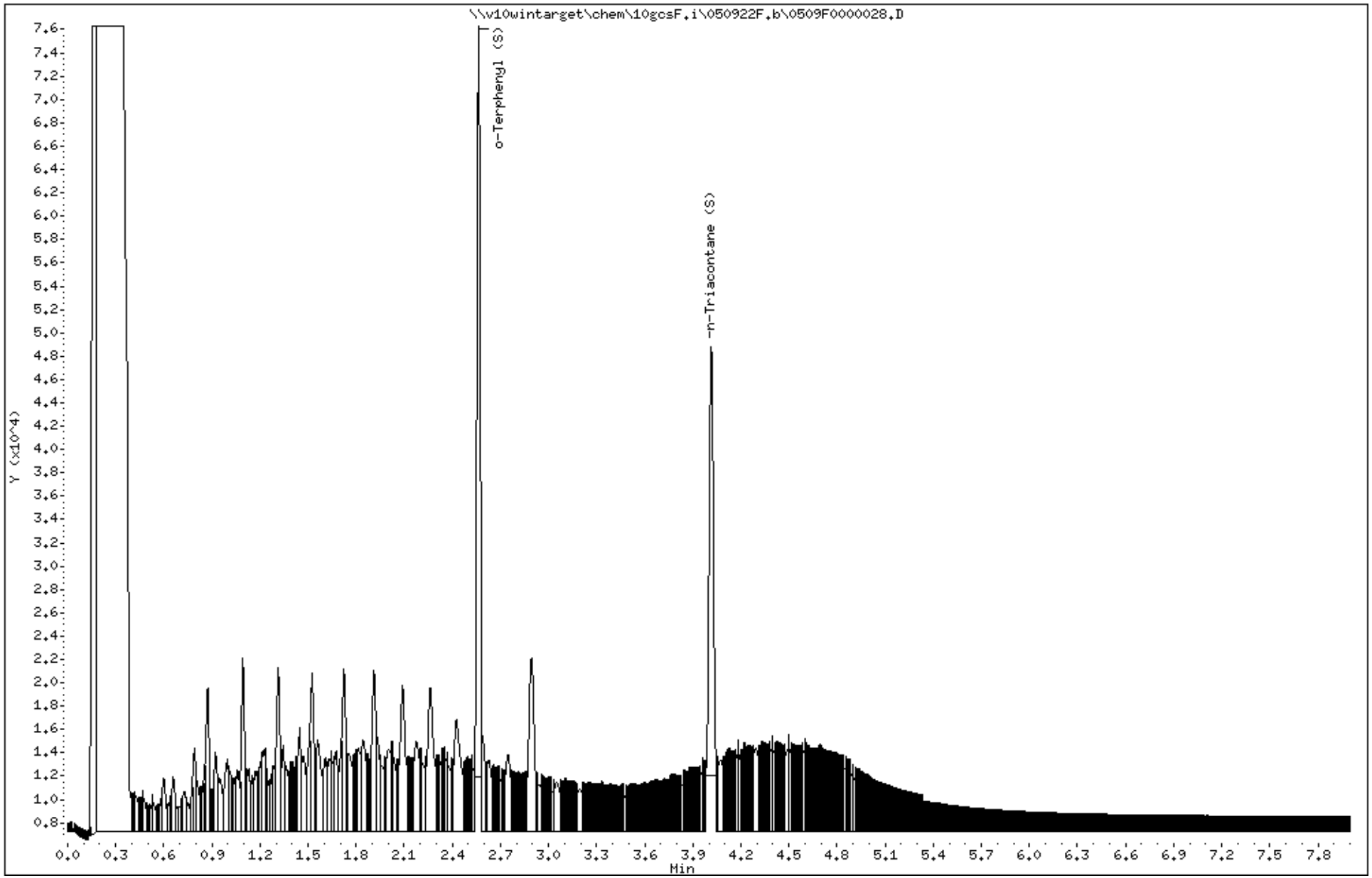
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000028.D
Date : 09-MAY-2022 16:06
Client ID: DMO-CAL5,364983:2
Sample Info: DMO-CAL5,364983:2

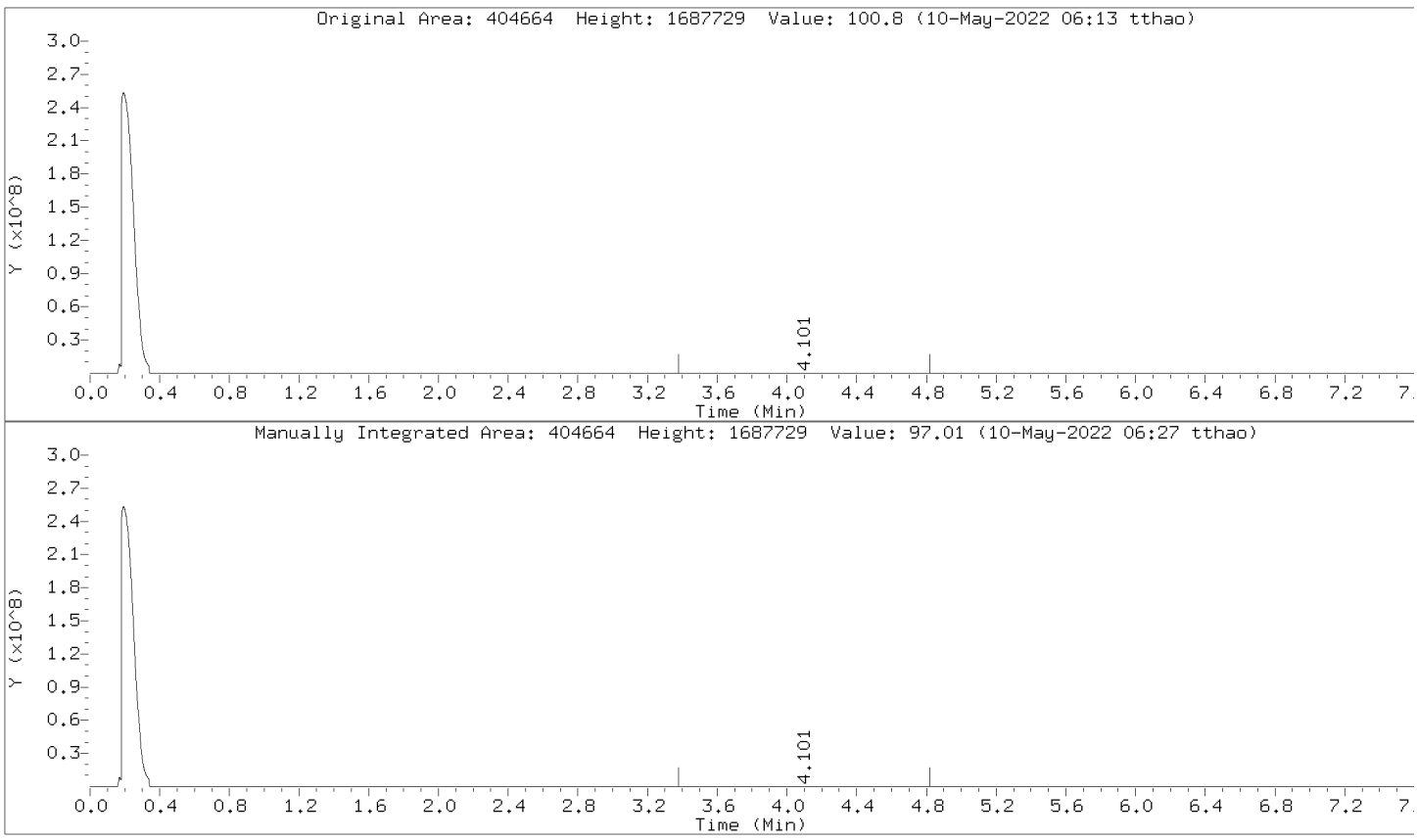
Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



94 of 1139
67 of 653
10606563

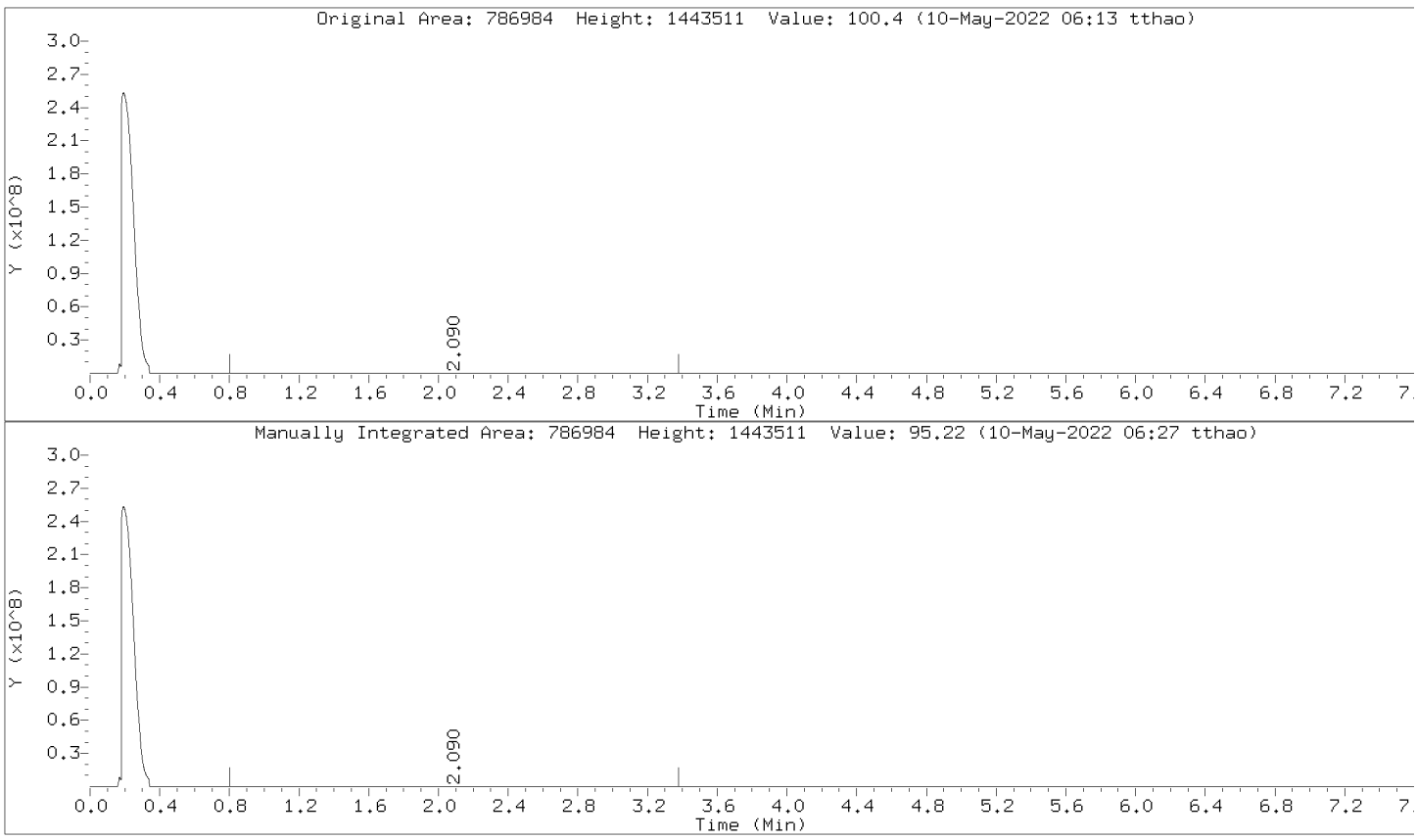
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



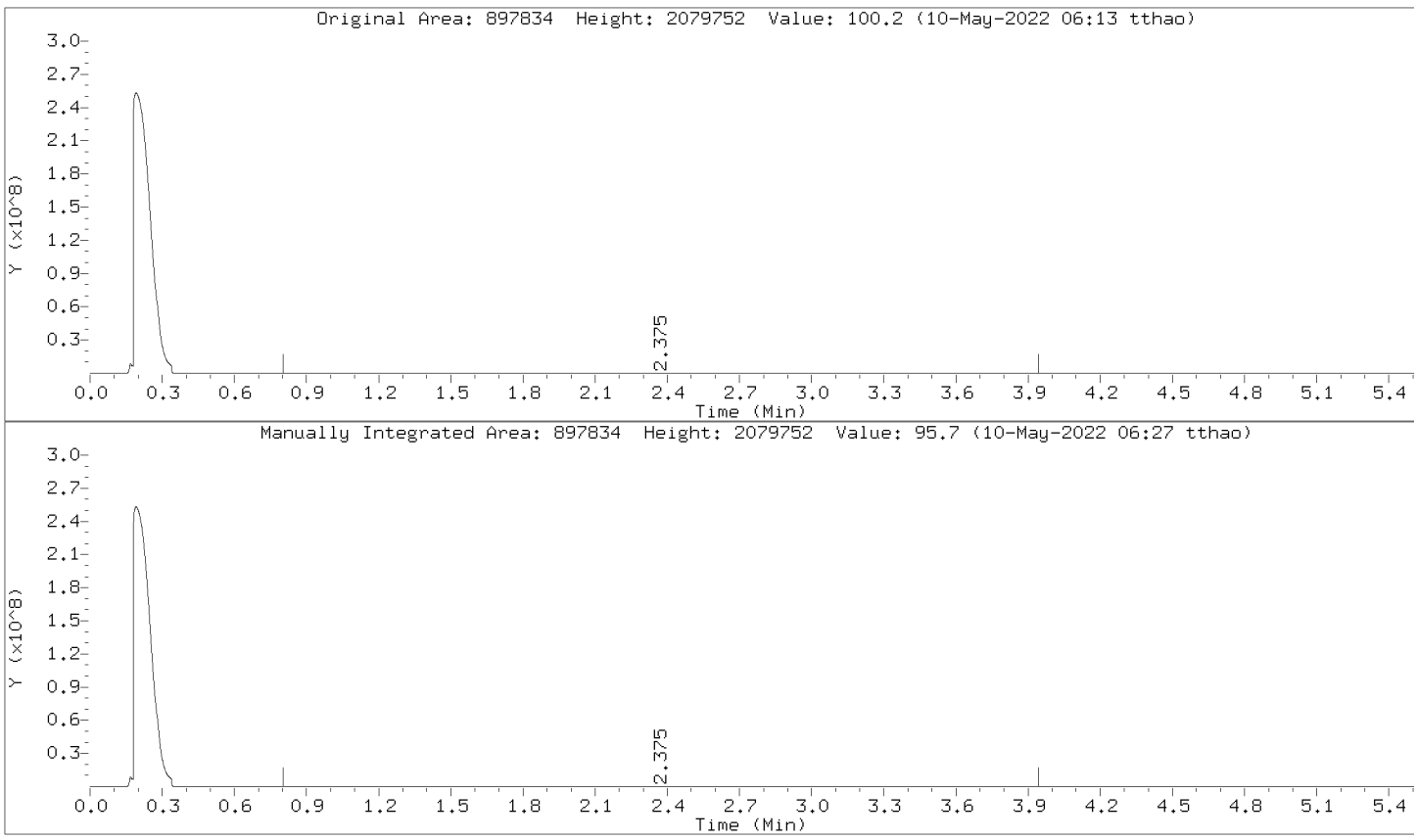
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



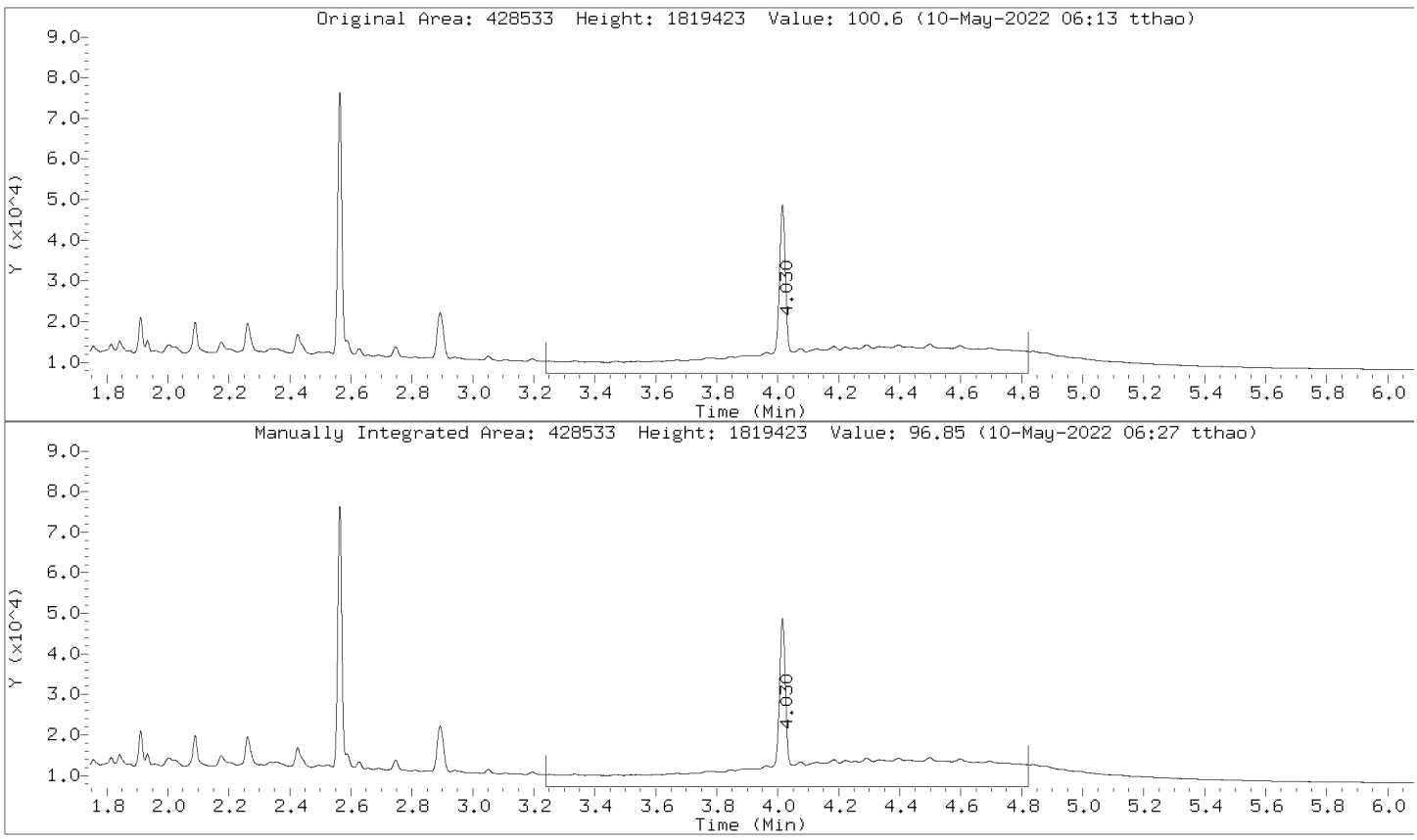
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



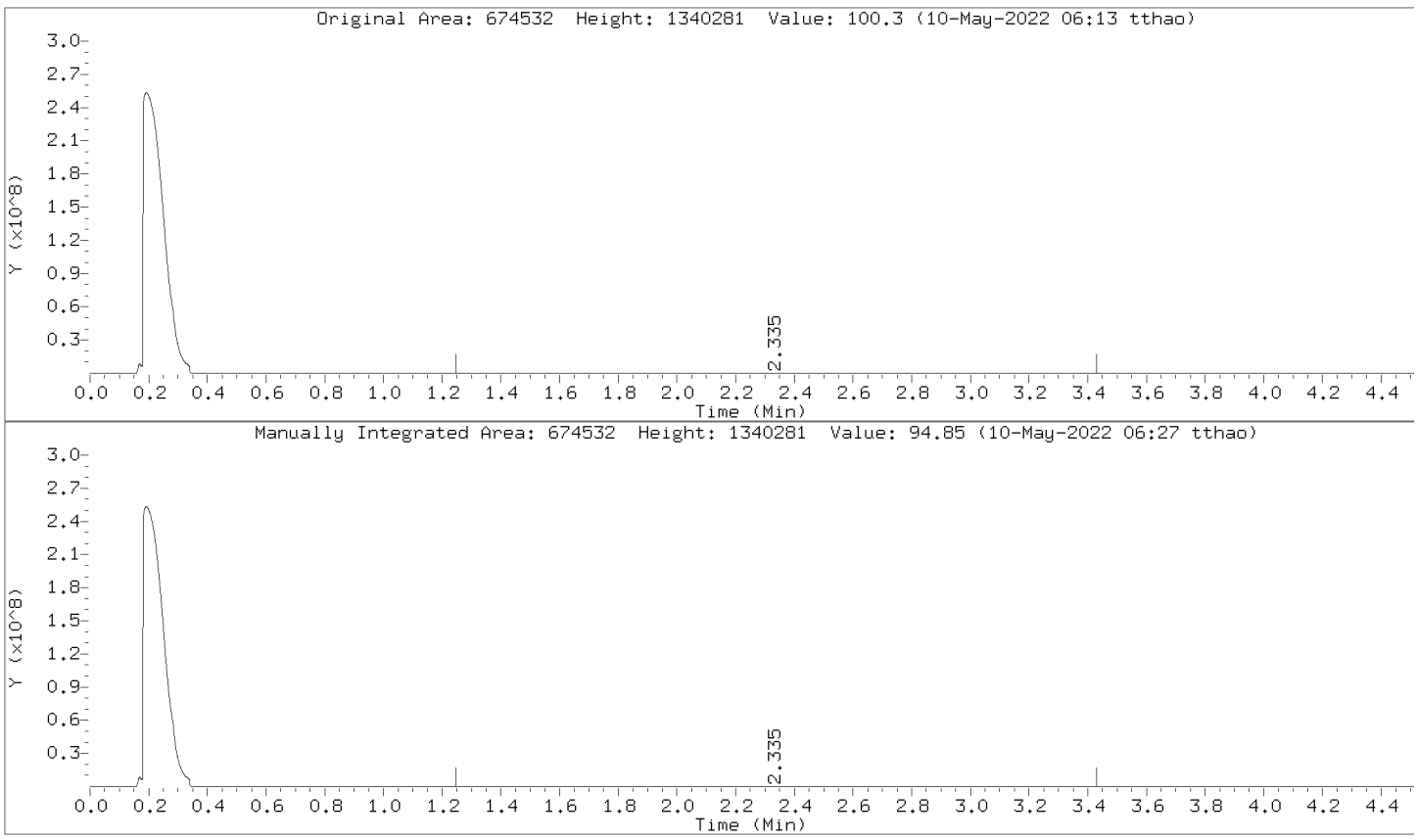
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



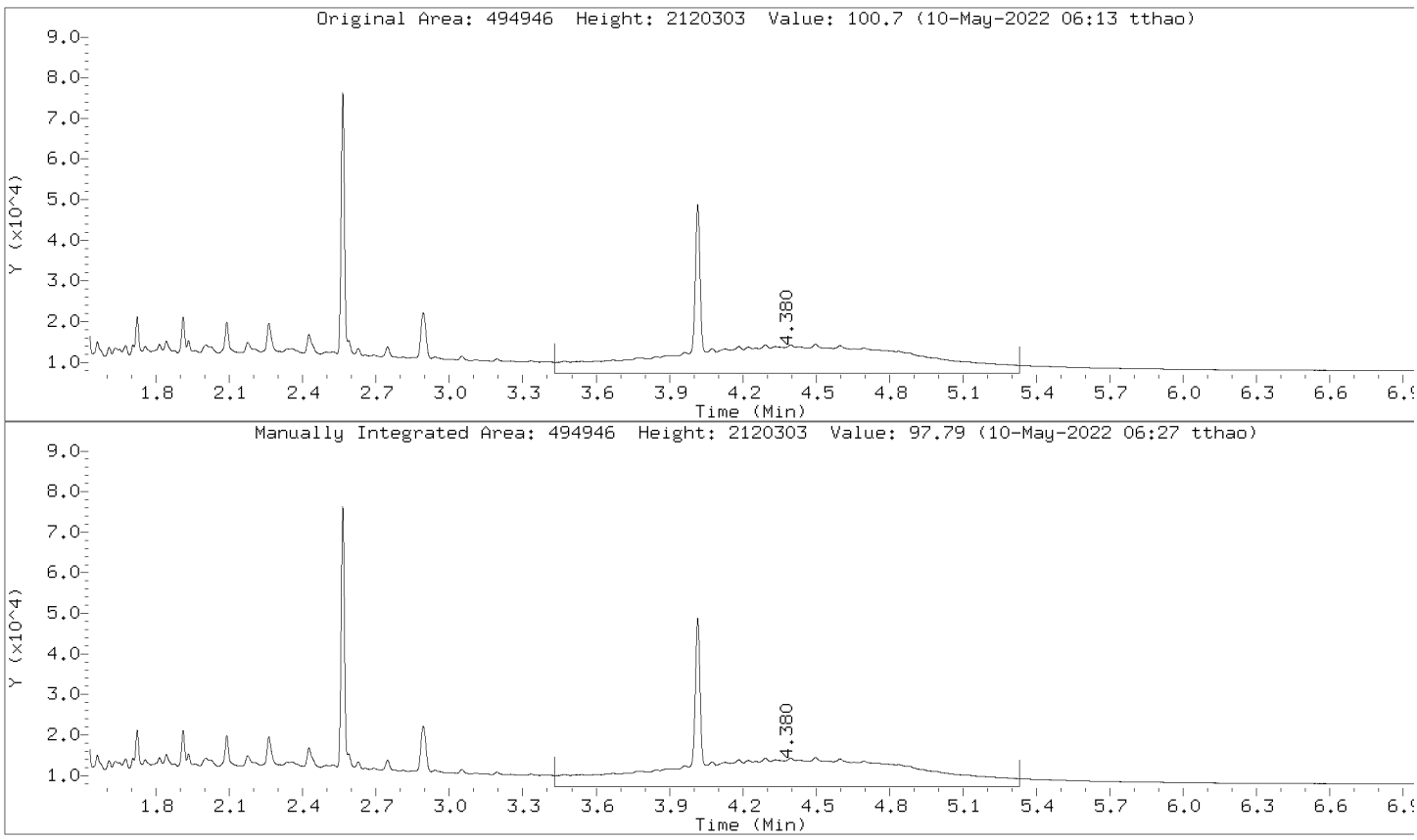
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



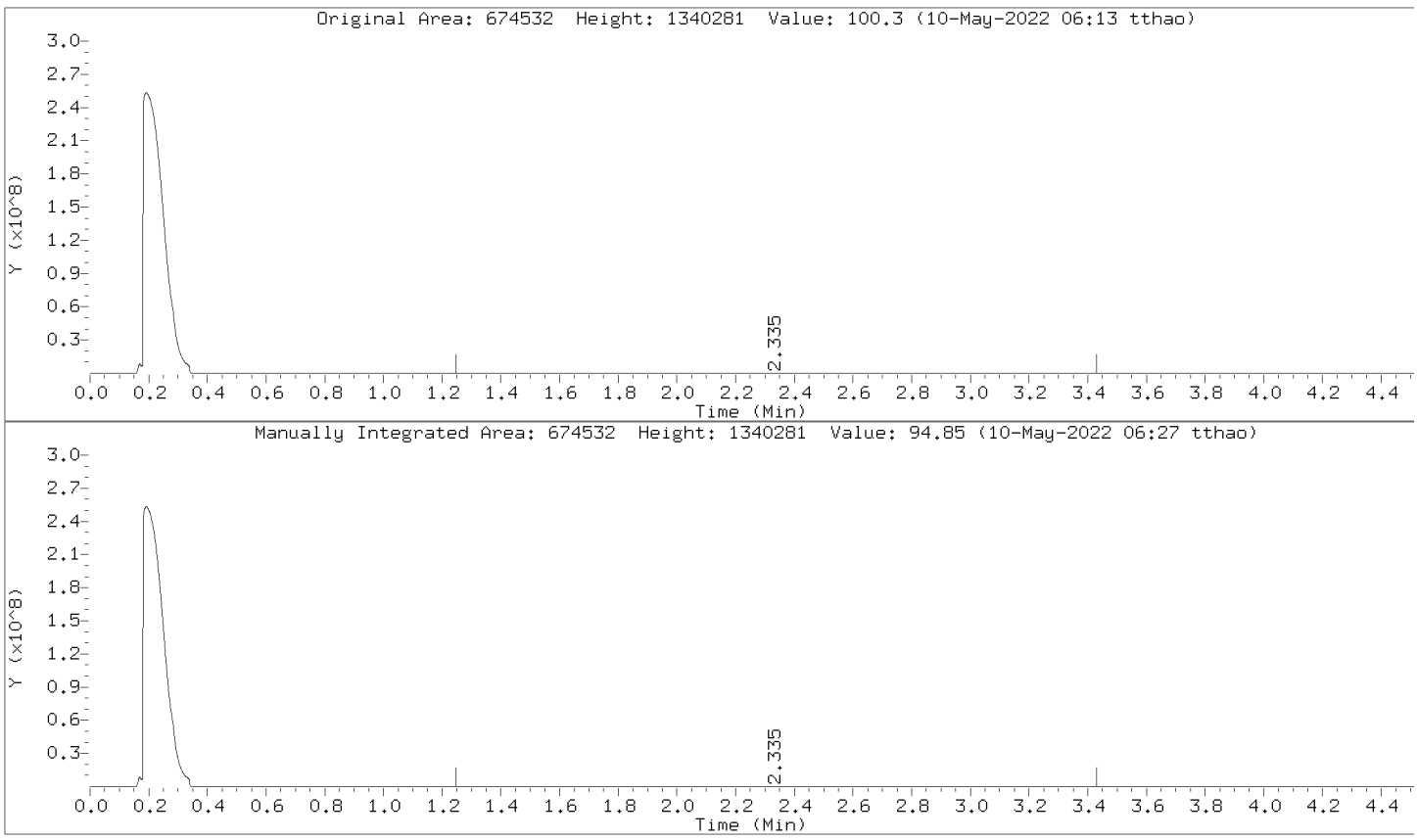
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



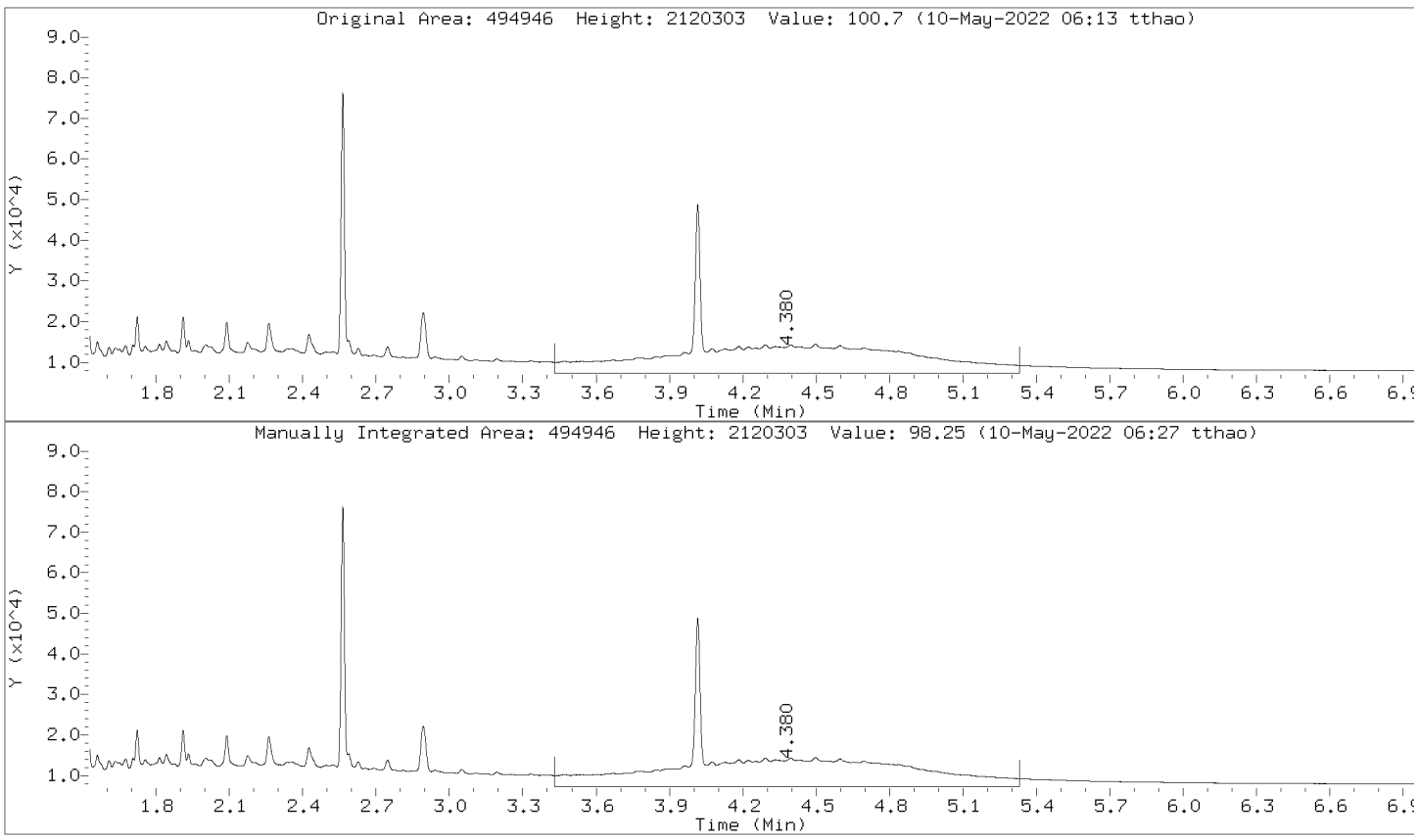
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



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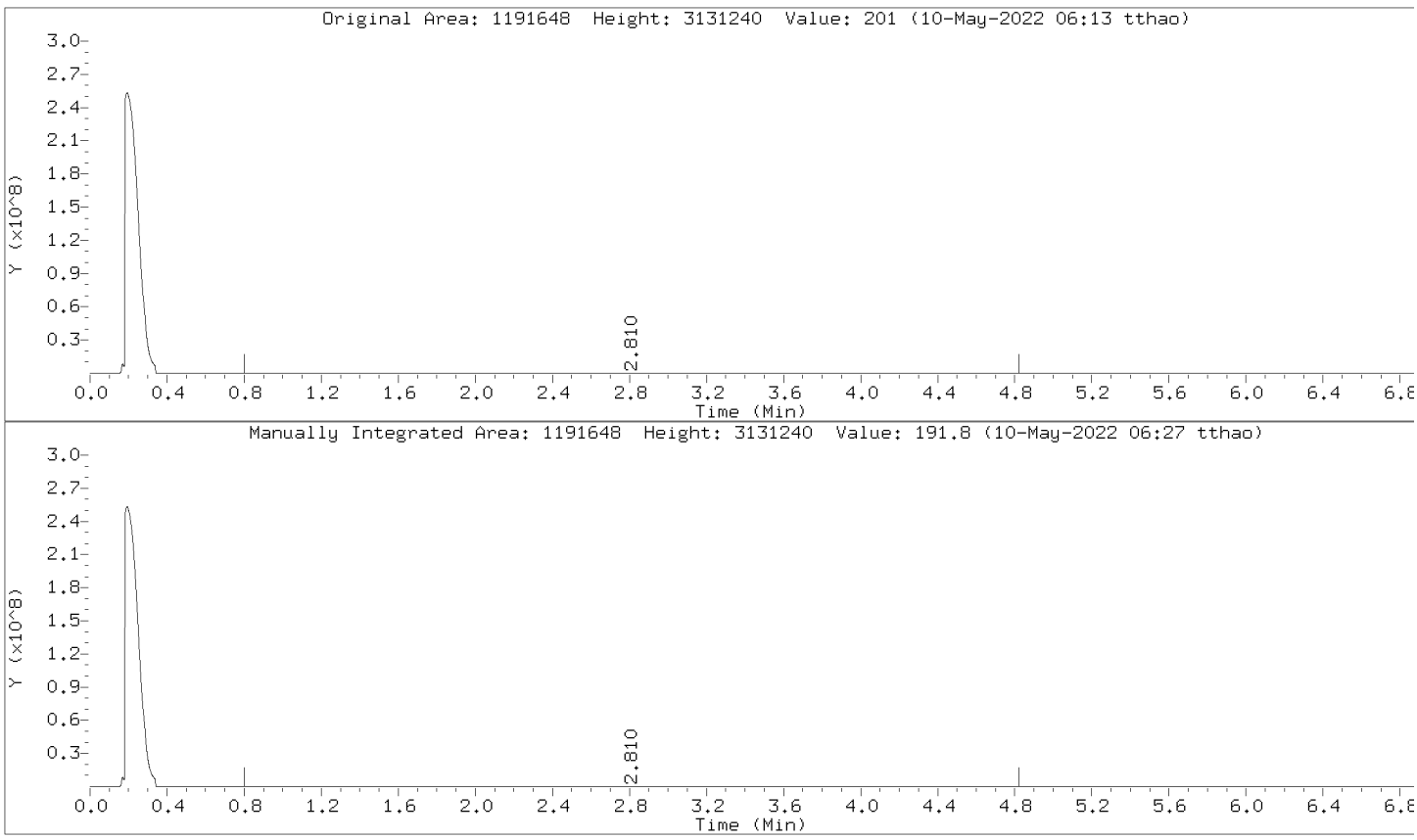
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: C10-C36 Review Code: RNG
CAS Number:



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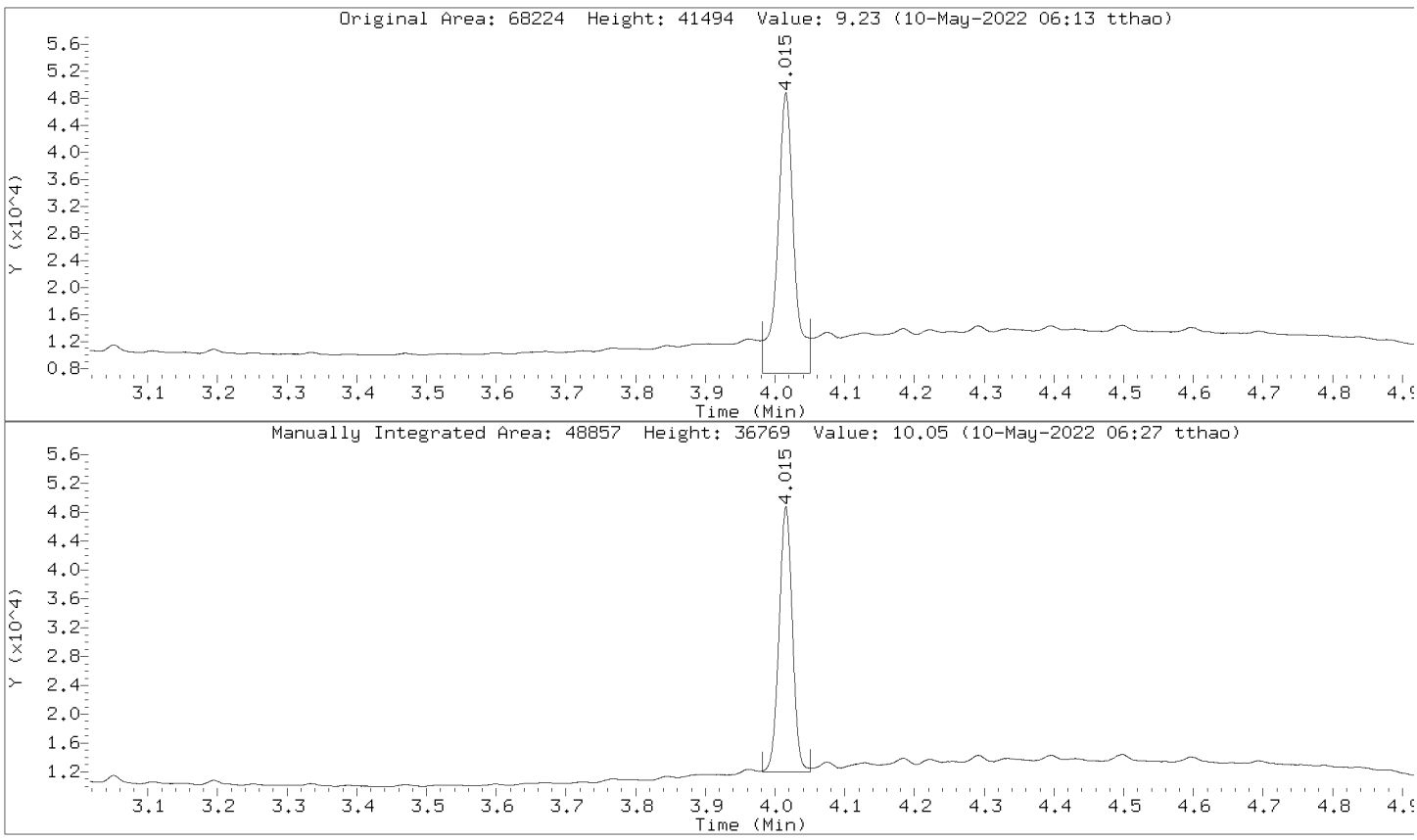
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



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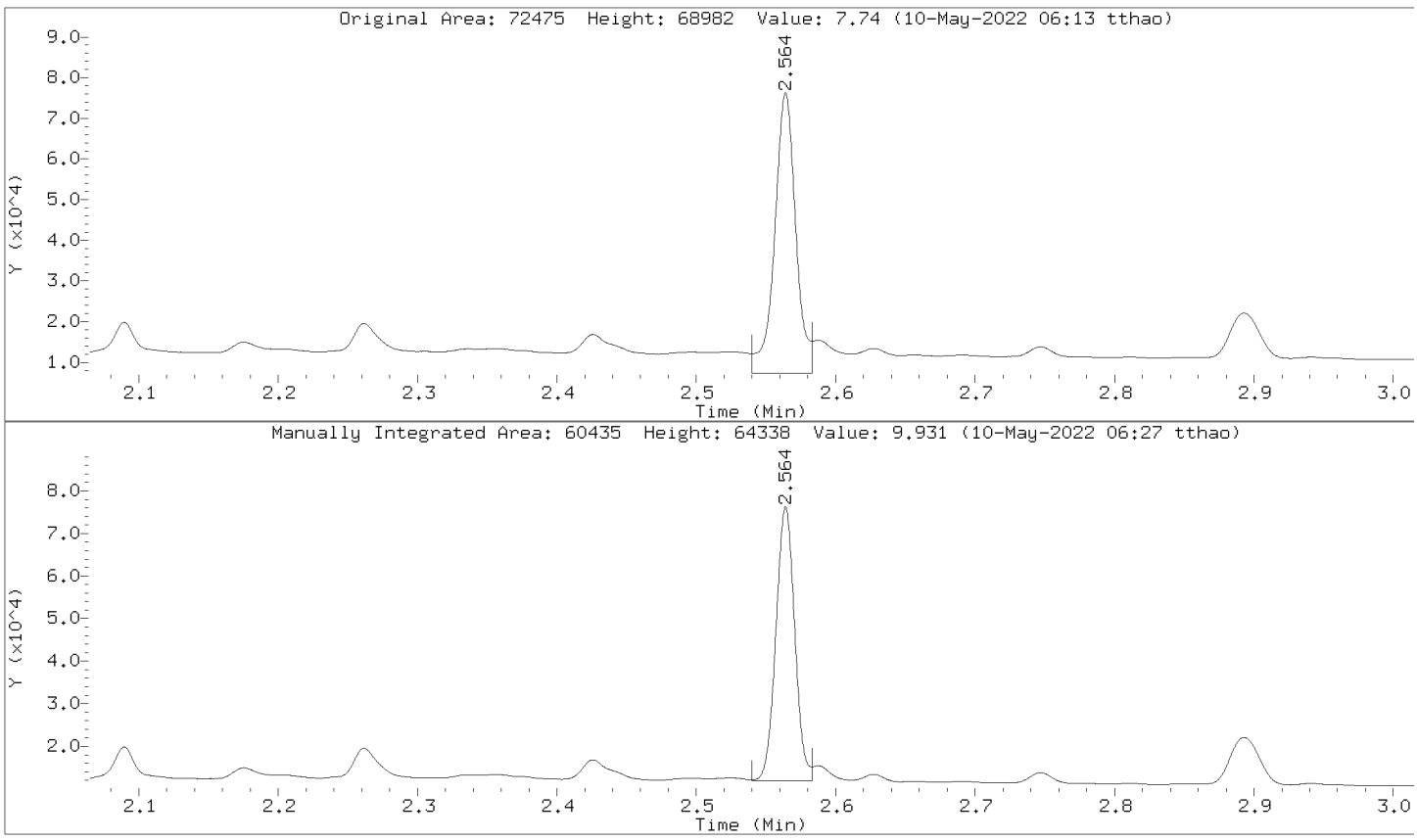
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	404664	404664
DRO by AK 102	786984	786984
TPH-DRO (C10-C28)	897834	897834
Motor Oil Range (C24-C36)	428533	428533
Diesel Fuel Range	674532	674532
Motor Oil Range	494946	494946
Diesel Fuel Range SG	674532	674532
Motor Oil Range SG	494946	494946
C10-C36	1191648	1191648
n-Triacontane (S)	68224	48857
o-Terphenyl (S)	72475	60435

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000029.D
Lab Smp Id: DMO-CAL6,364984:2 Client Smp ID: DMO-CAL6,364984:2
Inj Date : 09-MAY-2022 16:18
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal6,364984:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		1584516	250.000	249	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.564	2.565	-0.001	147678	25.0000	24.3	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.015	4.017	-0.002	120934	25.0000	24.9	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		894979	250.000	250	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		1810188	250.000	248	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		940953	250.000	250	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		2479496	500.000	499	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		1341847	250.000	249	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		1341847	250.000	249	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		1085964	250.000	250	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		1085964	250.000	250	(M)	RNG

QC Flag Legend

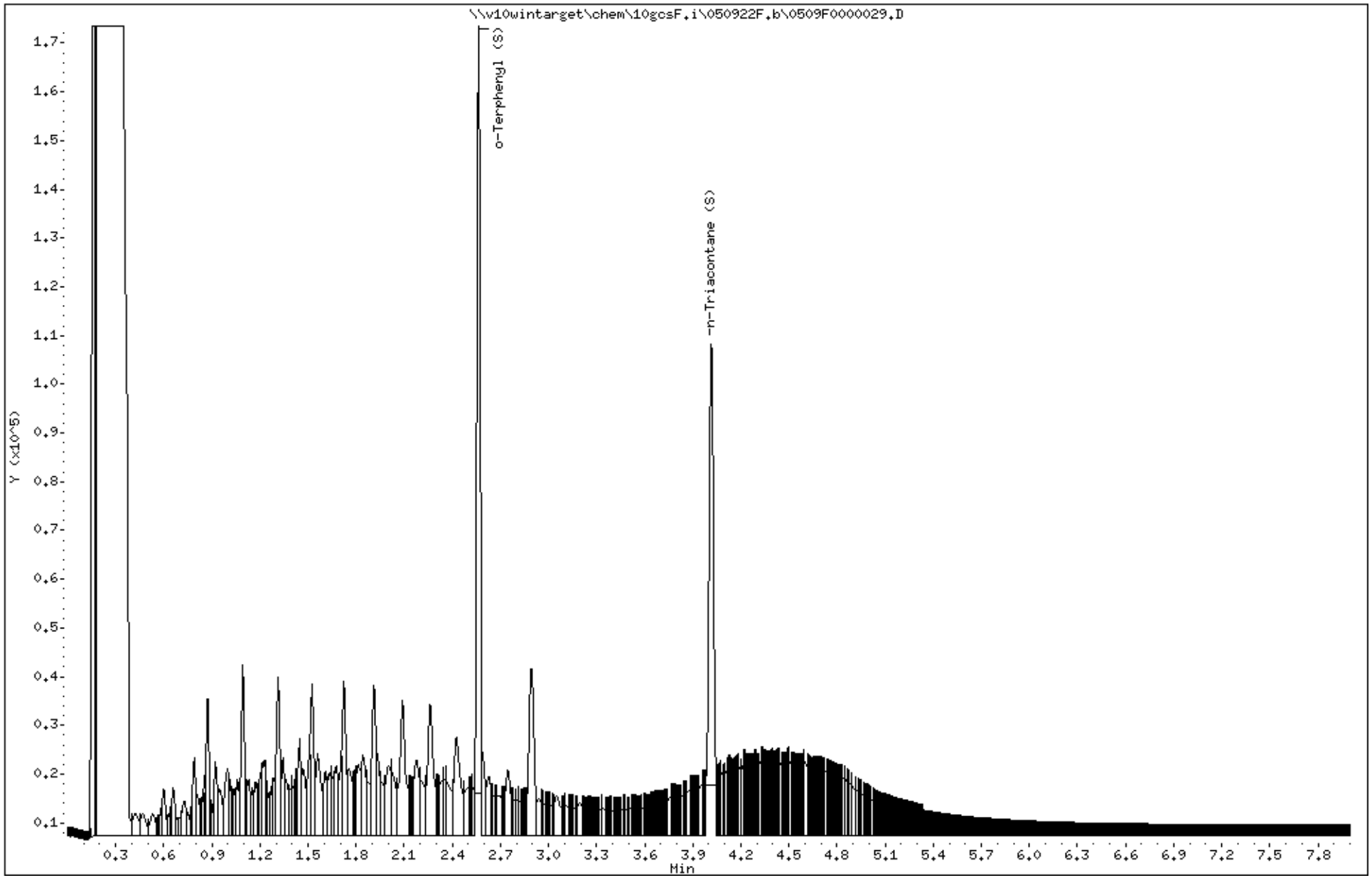
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000029.D
Date : 09-MAY-2022 16:18
Client ID: DMO-CAL6,364984:2
Sample Info: DMO-CAL6,364984:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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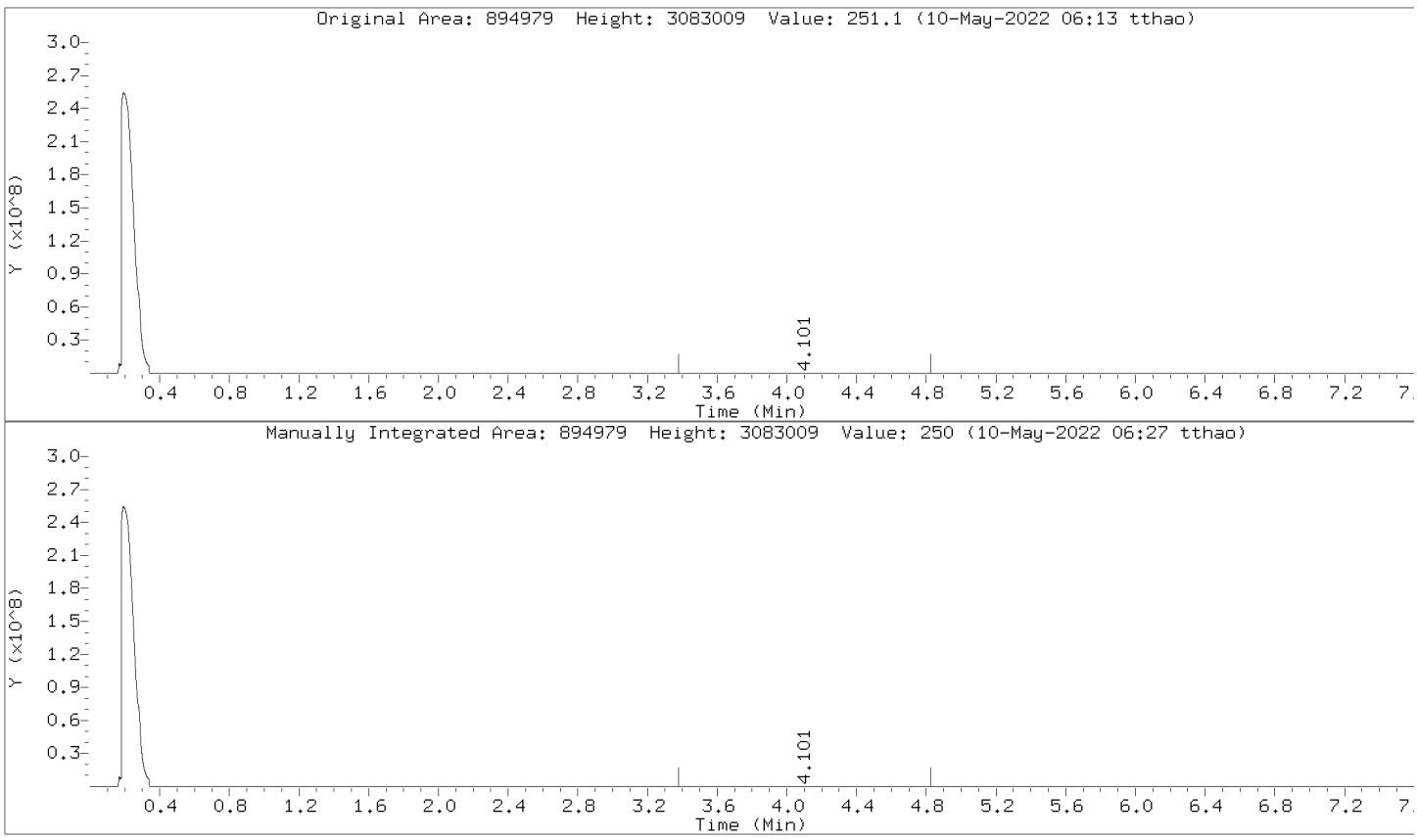
81 of 653
10606563

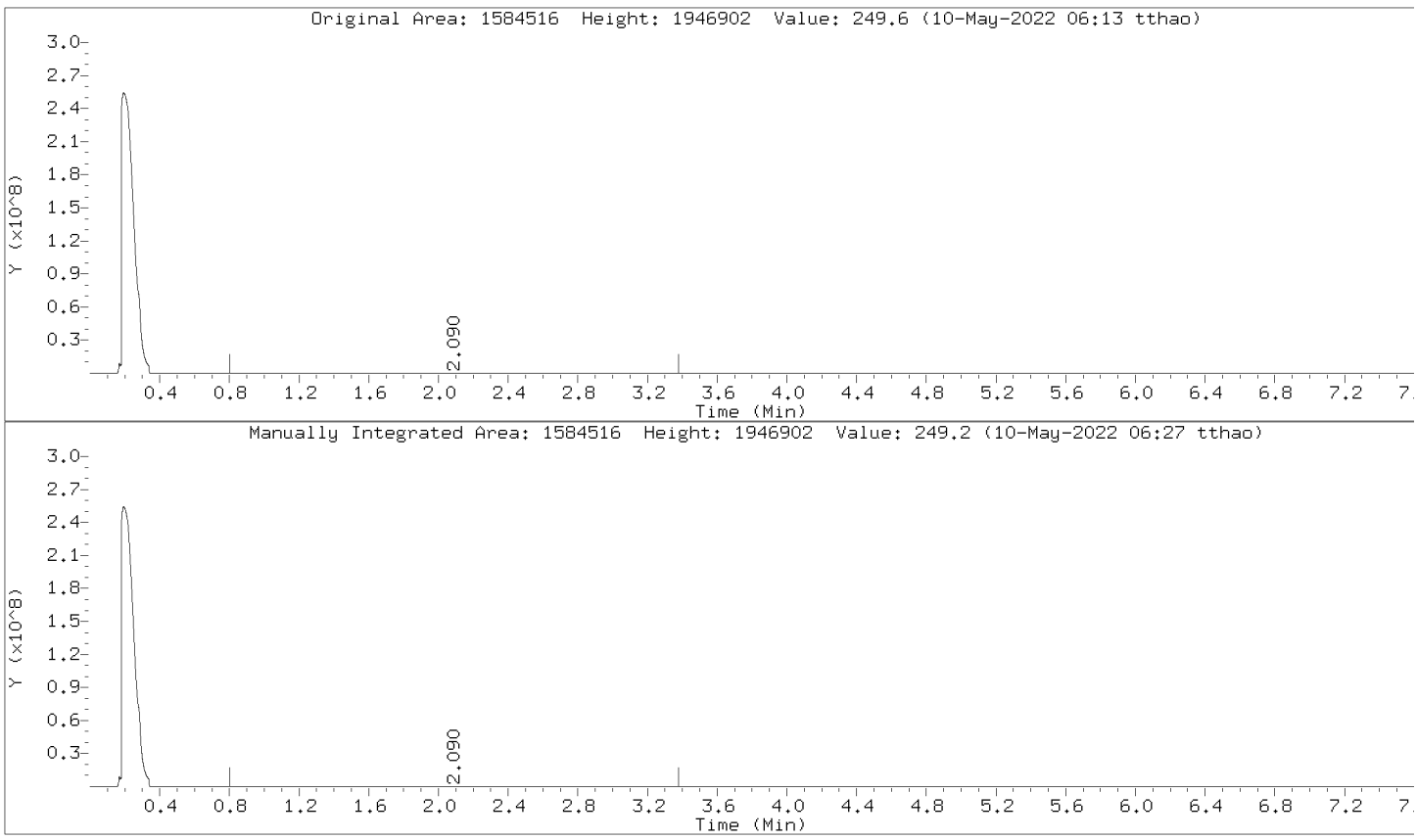
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



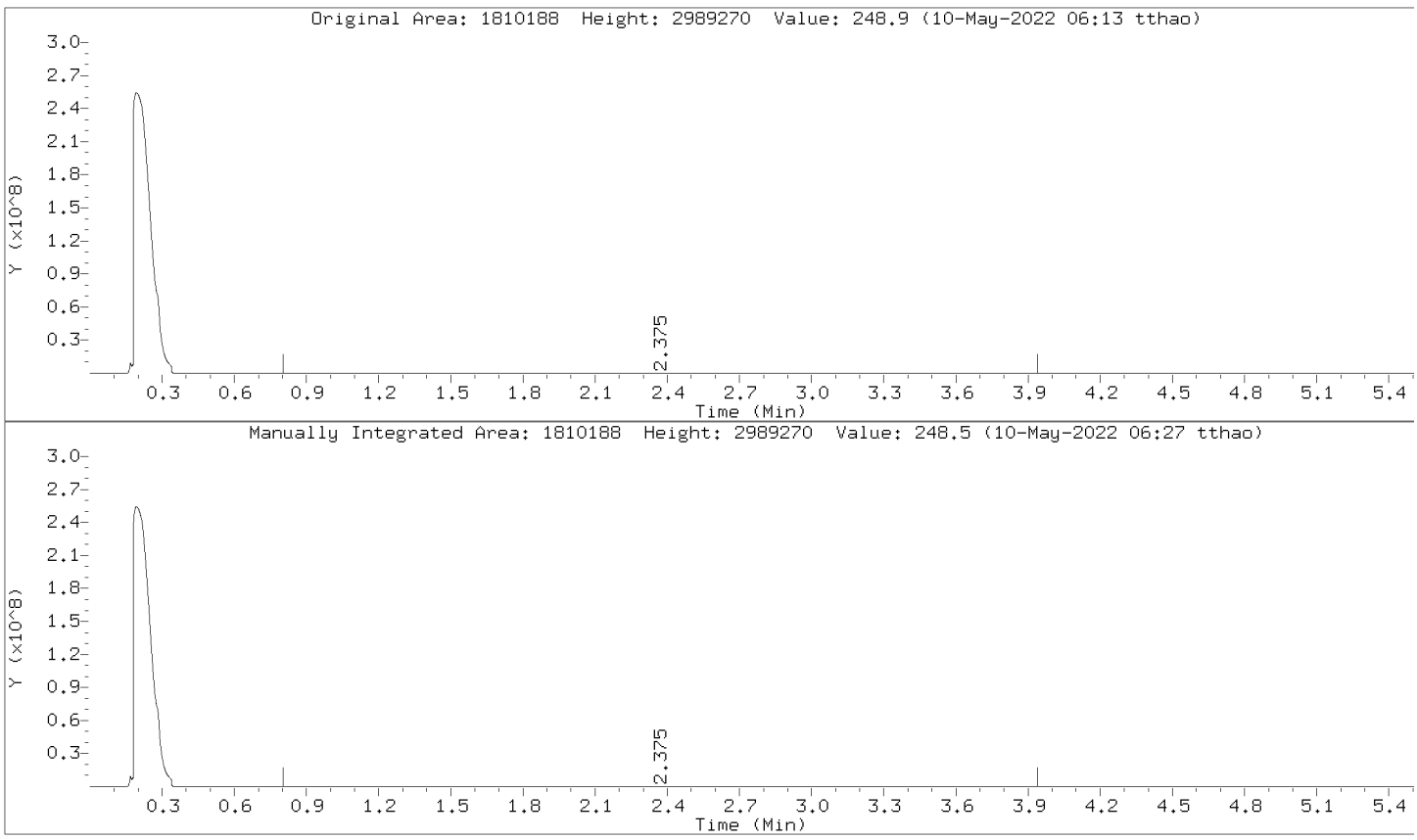
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



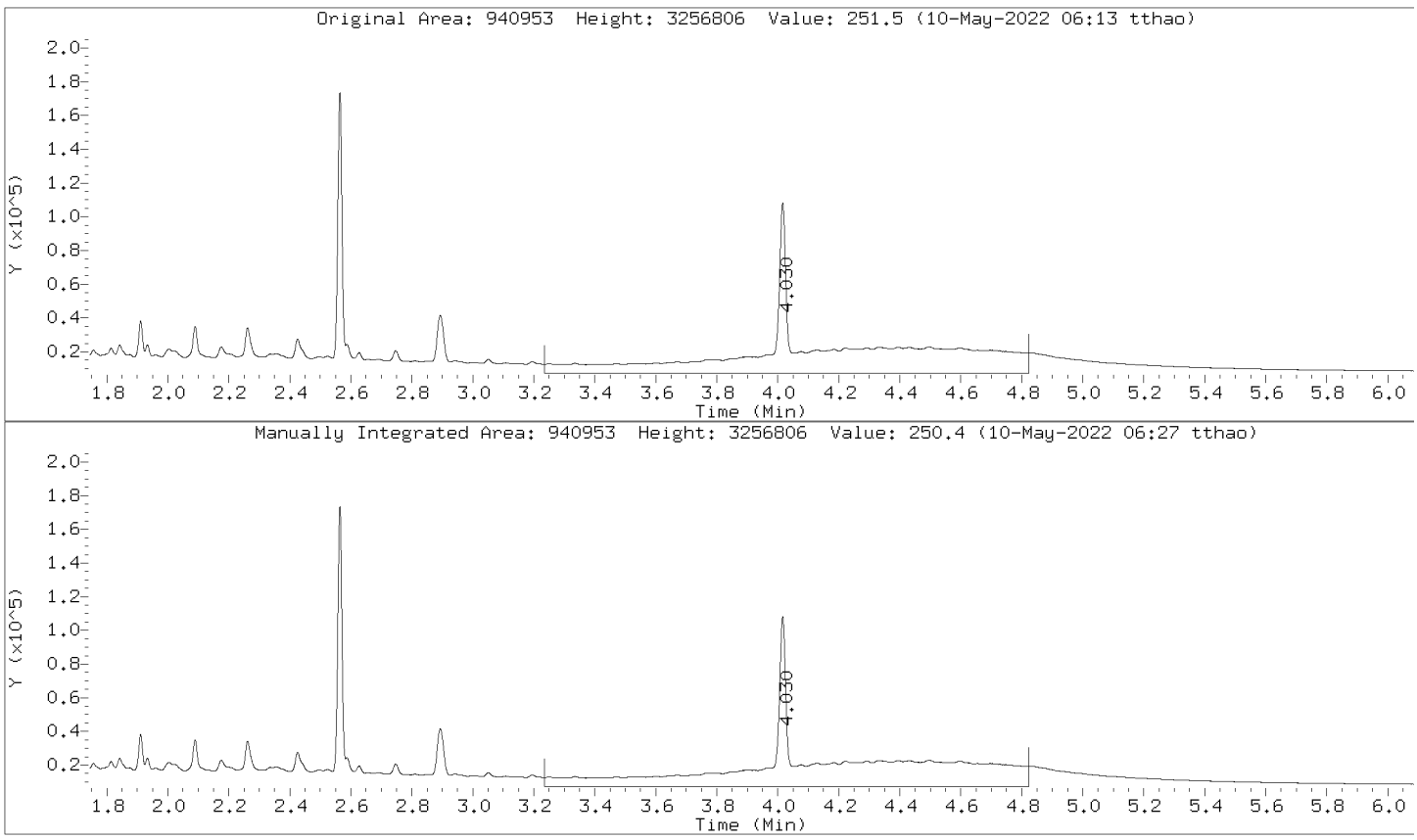
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



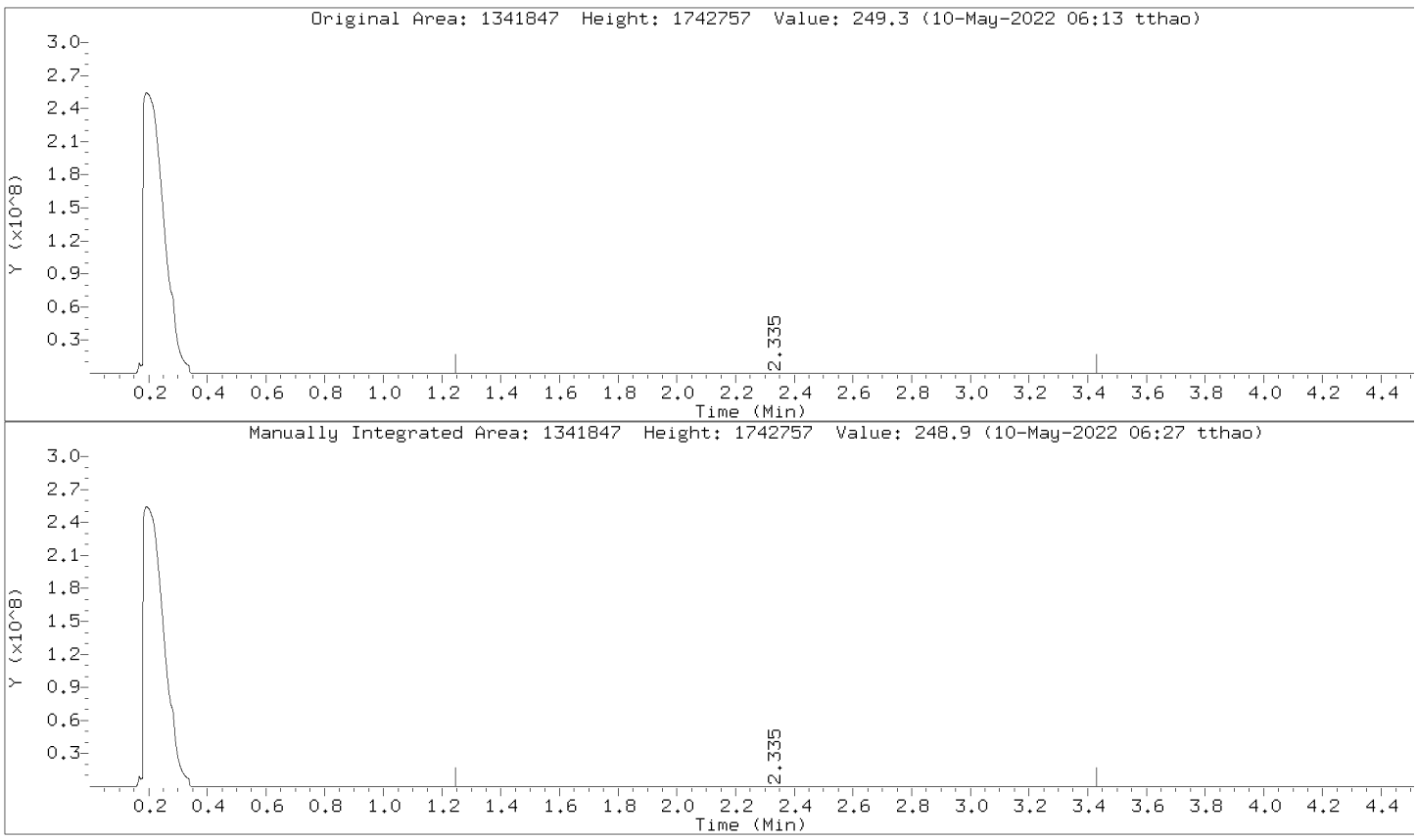
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



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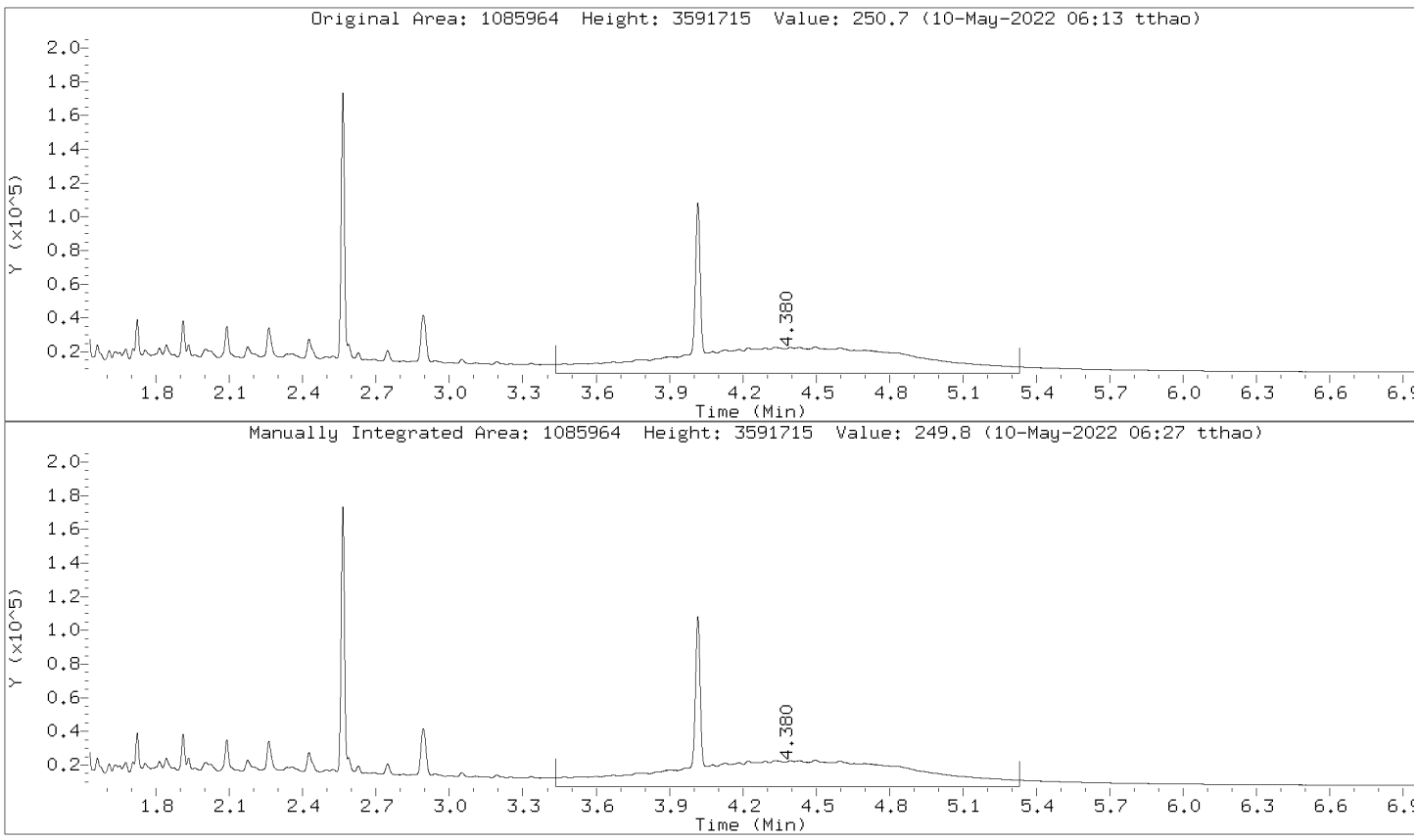
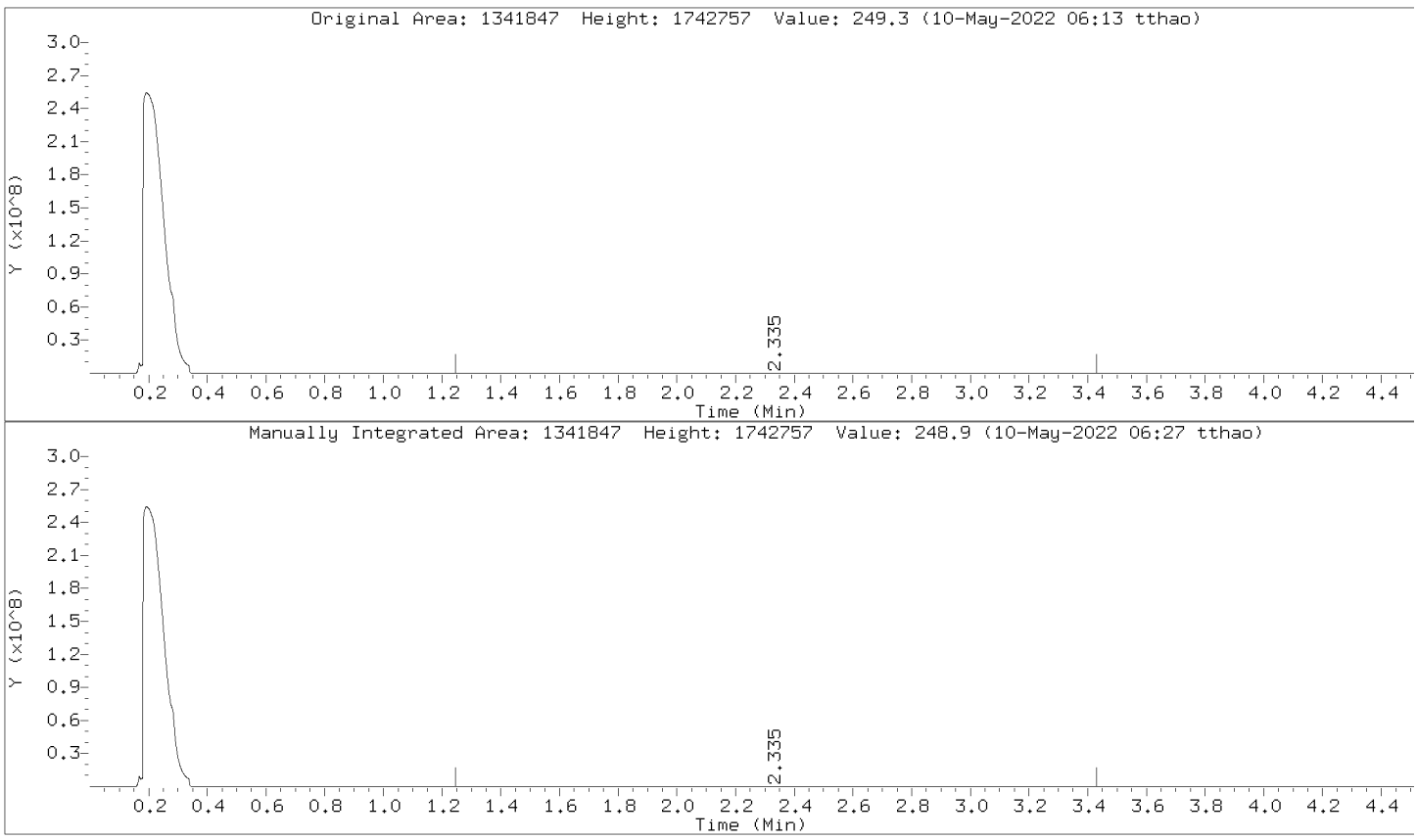
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



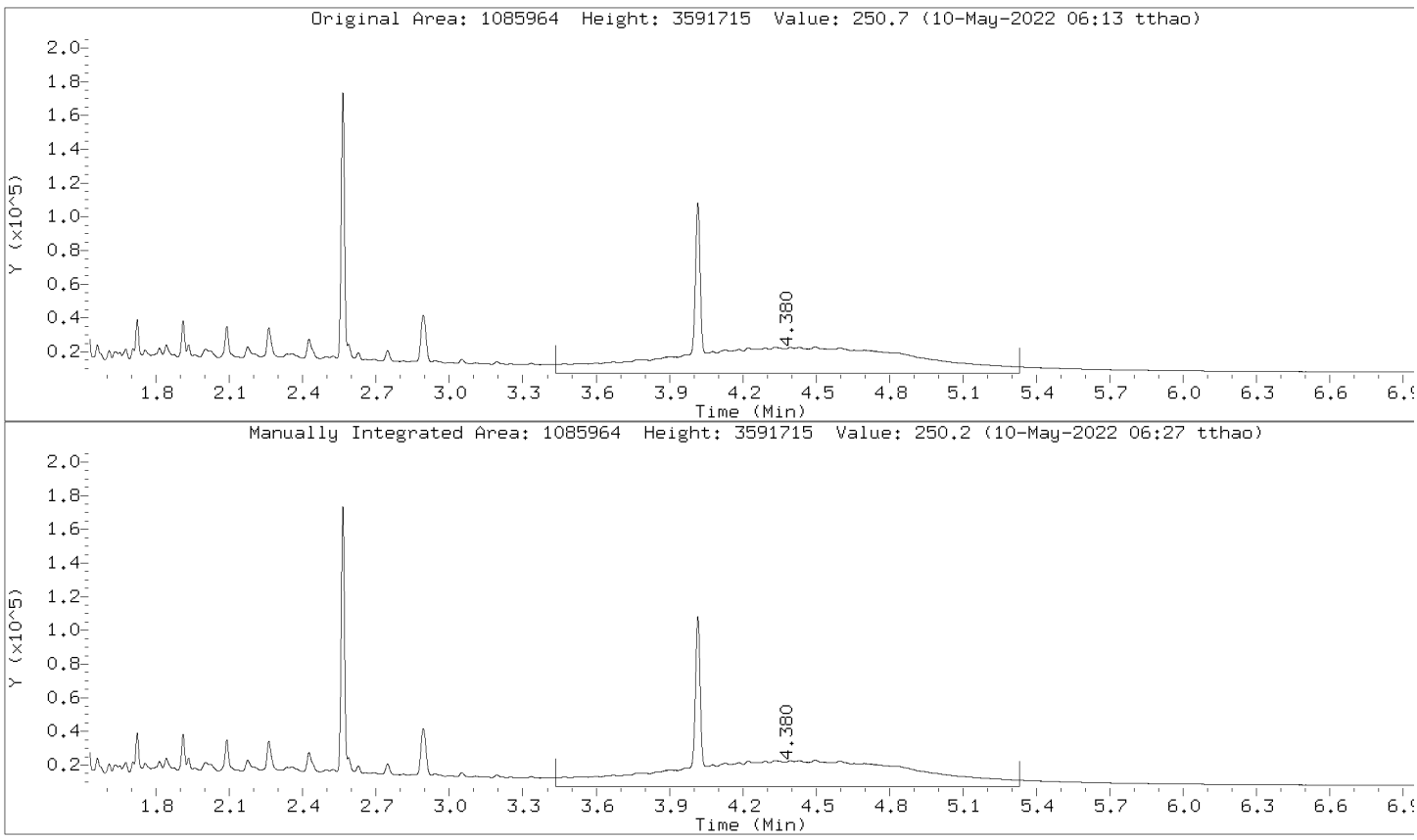
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



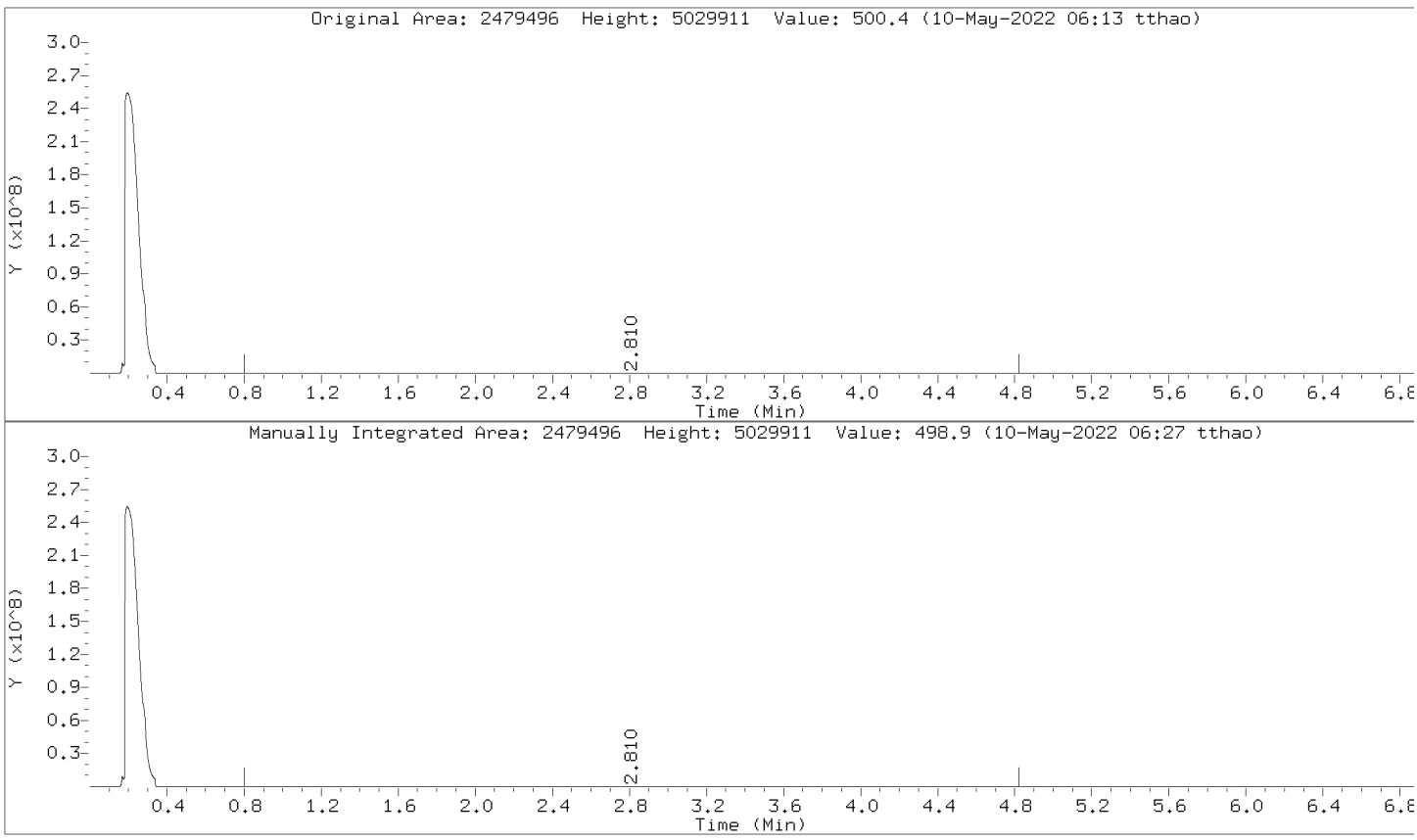
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



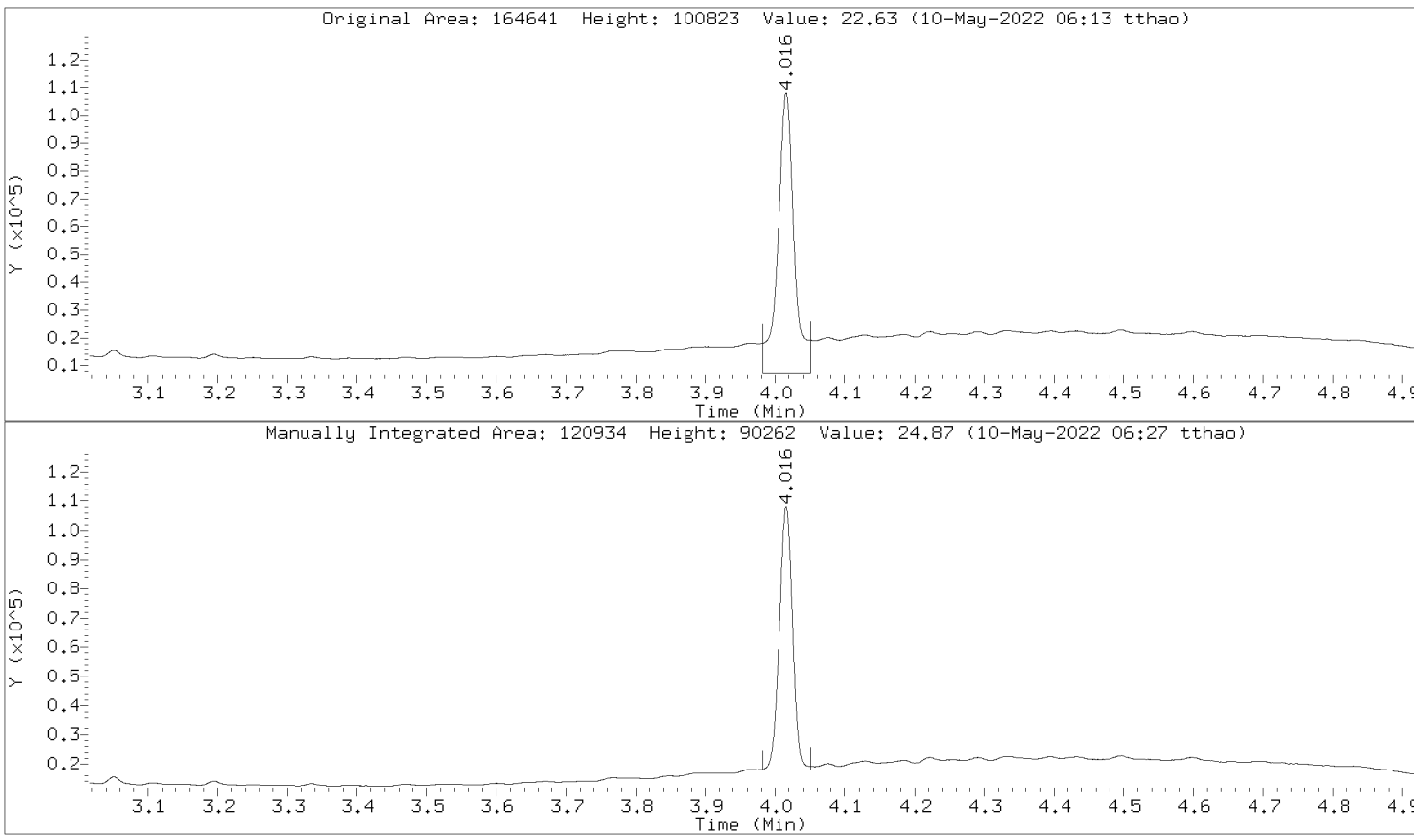
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: C10-C36 Review Code: RNG
CAS Number:



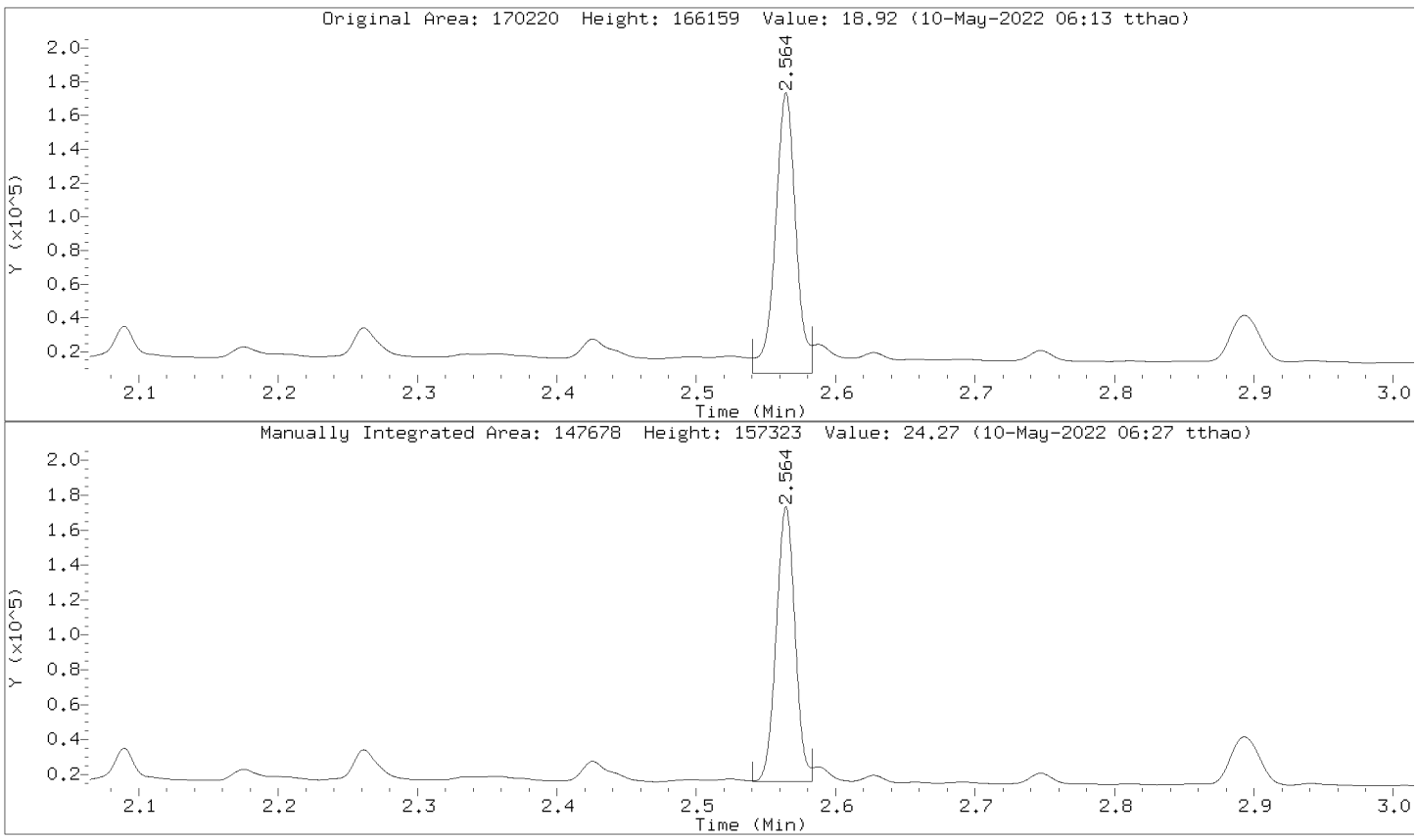
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	894979	894979
DRO by AK 102	1584516	1584516
TPH-DRO (C10-C28)	1810188	1810188
Motor Oil Range (C24-C36)	940953	940953
Diesel Fuel Range	1341847	1341847
Motor Oil Range	1085964	1085964
Diesel Fuel Range SG	1341847	1341847
Motor Oil Range SG	1085964	1085964
C10-C36	2479496	2479496
n-Triacontane (S)	164641	120934
o-Terphenyl (S)	170220	147678

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000030.D
Lab Smp Id: DMO-CAL7,364985:2 Client Smp ID: DMO-CAL7,364985:2
Inj Date : 09-MAY-2022 16:29
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal7,364985:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		2923435	500.000	508	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.565	2.565	0.000	295243	50.0000	48.5	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.017	4.017	0.000	241932	50.0000	49.7	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		1703629	500.000	502	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		3355850	500.000	507	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		1780783	500.000	502	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		4627064	1000.00	1010	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		2466345	500.000	508	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		2466345	500.000	508	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		2065434	500.000	502	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		2065434	500.000	502	(M)	RNG

QC Flag Legend

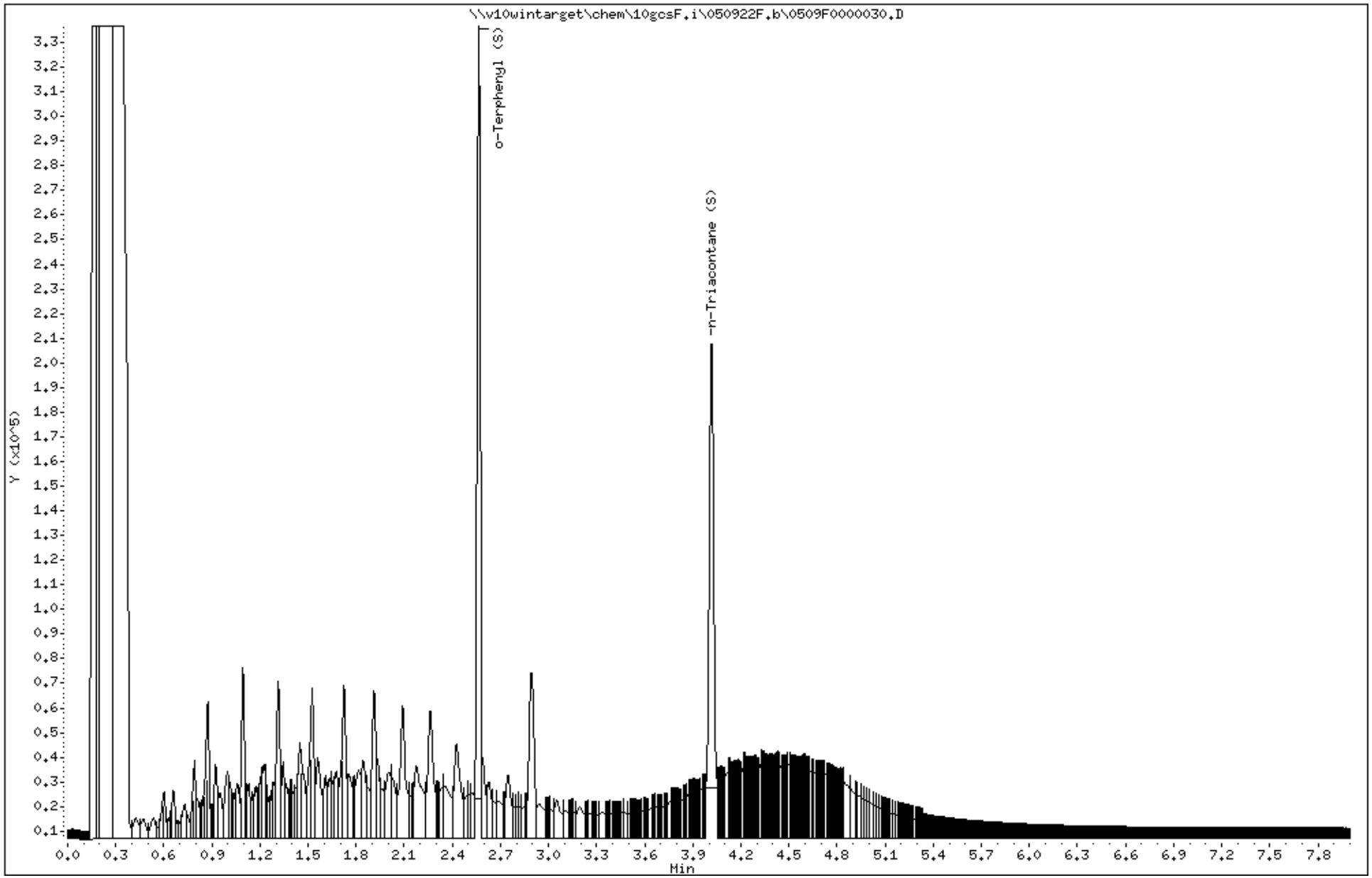
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000030.D
Date : 09-MAY-2022 16:29
Client ID: DMO-CAL7,364985:2
Sample Info: DMO-CAL7,364985:2

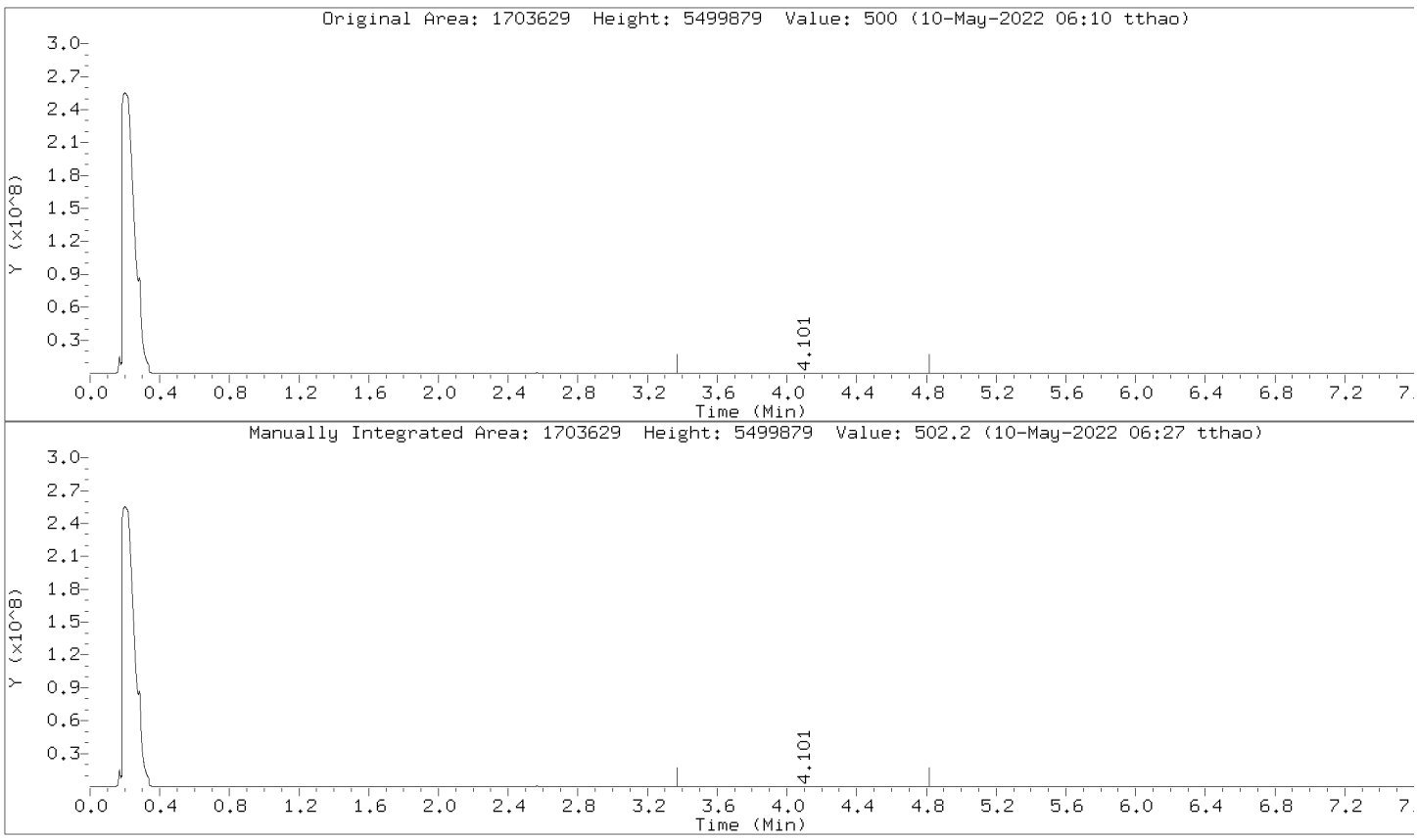
Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



122 of 1139
95 of 653
10606563

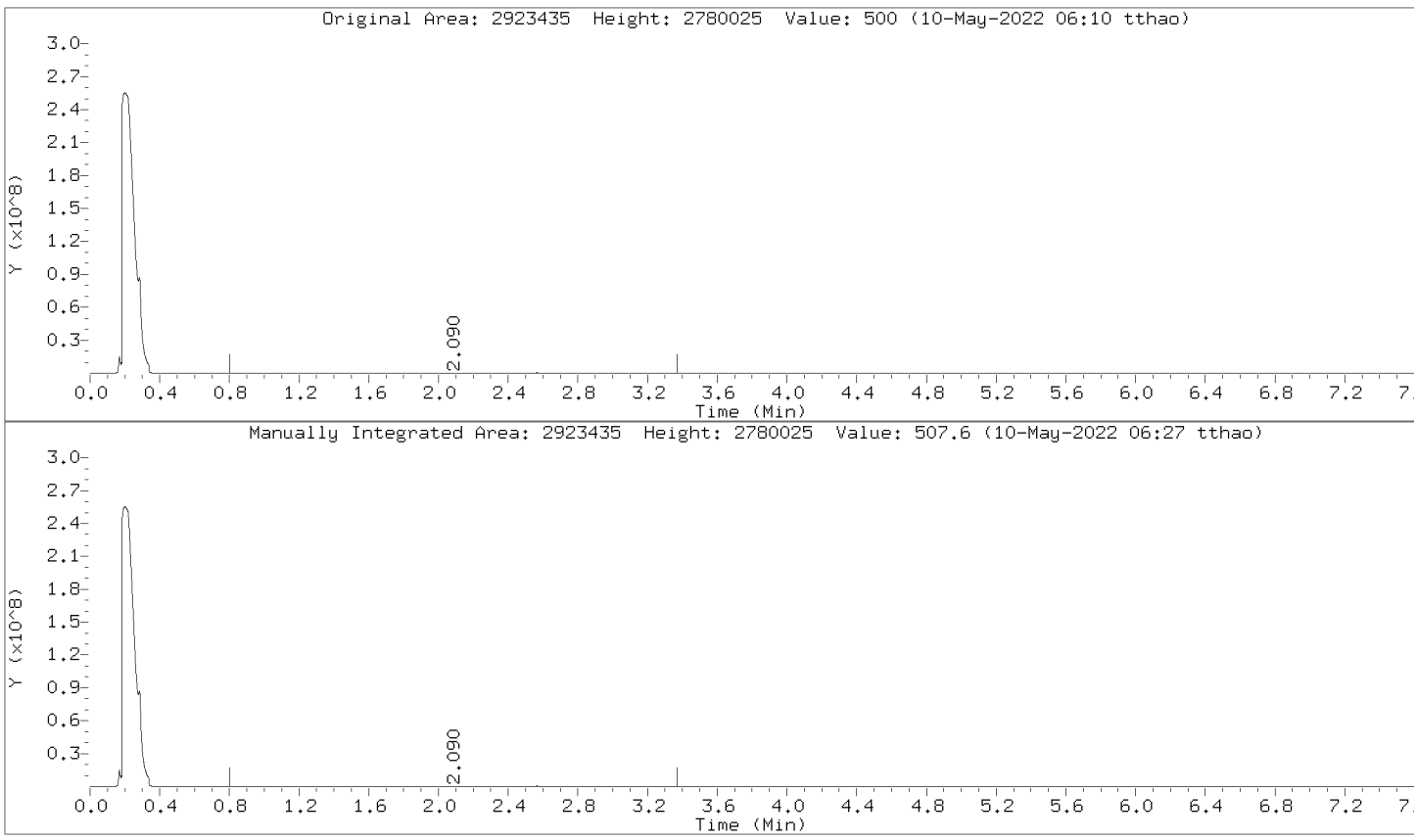
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



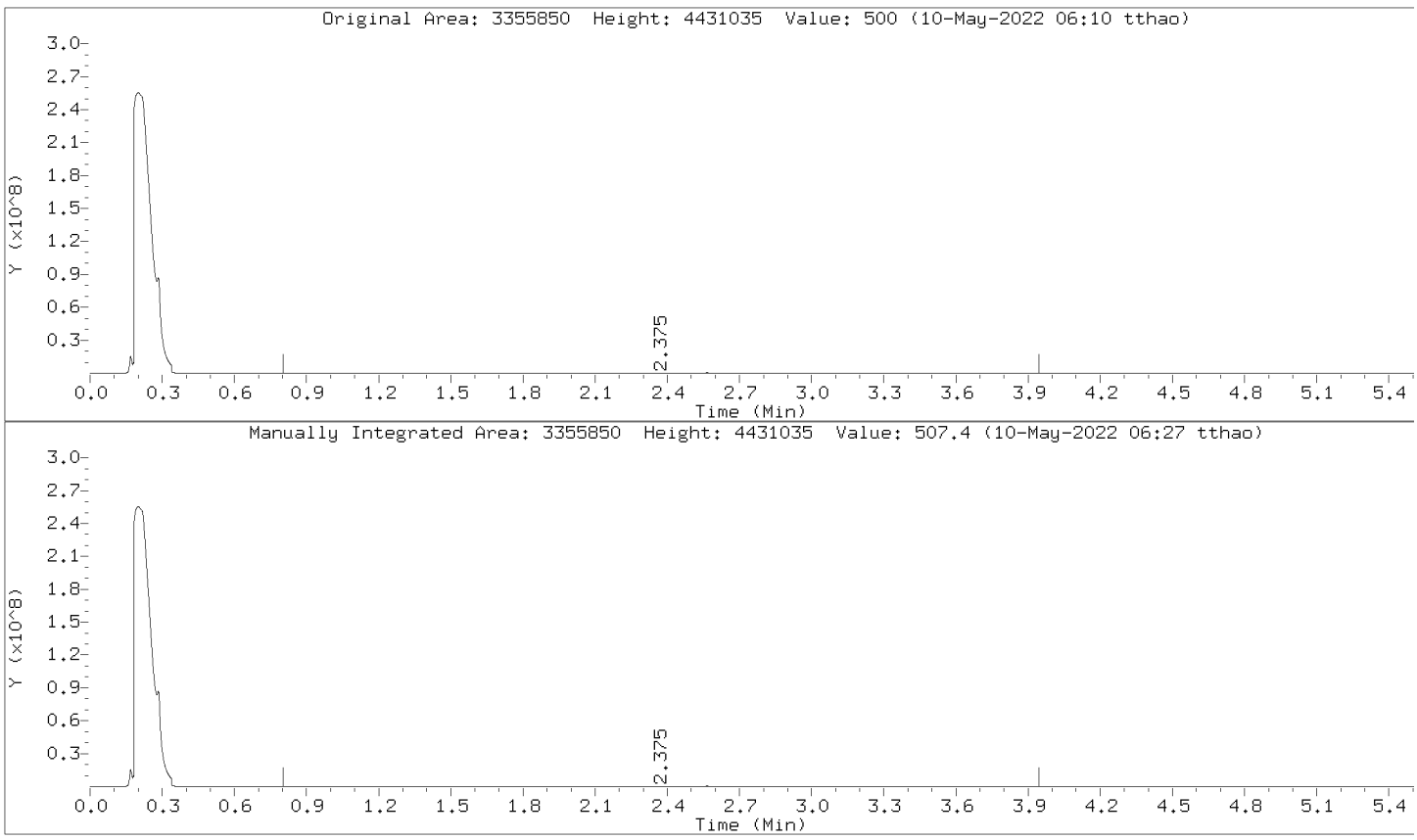
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



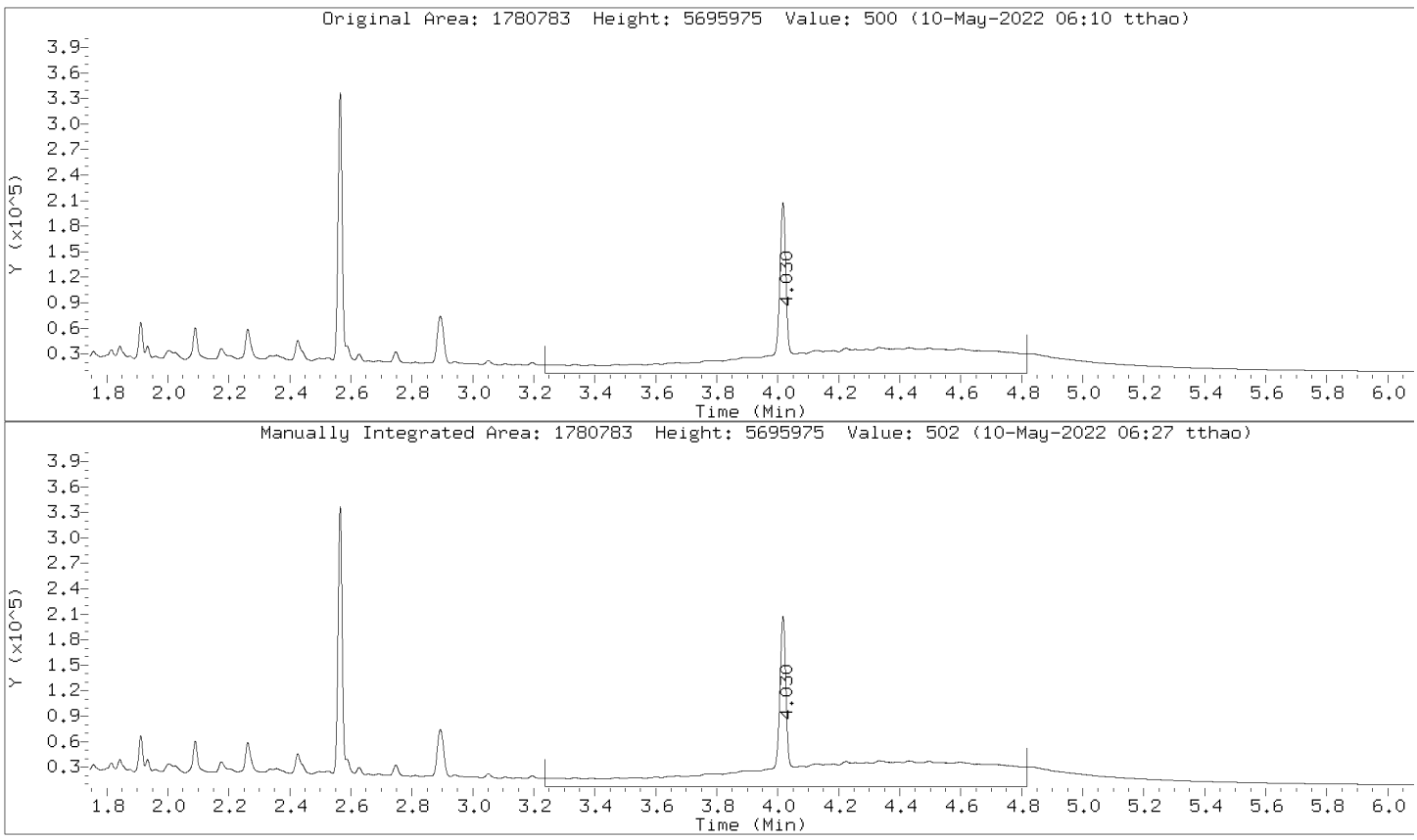
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



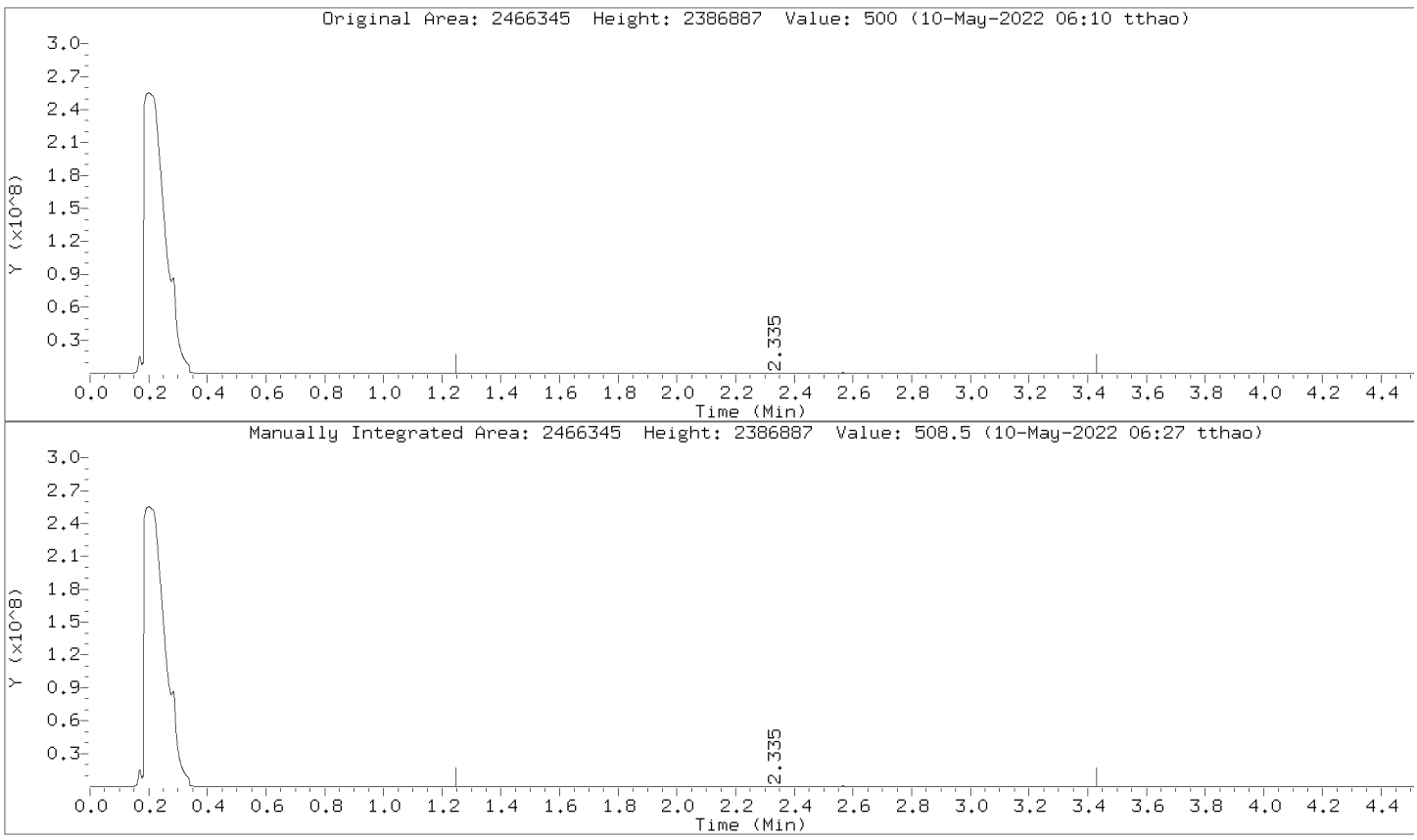
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



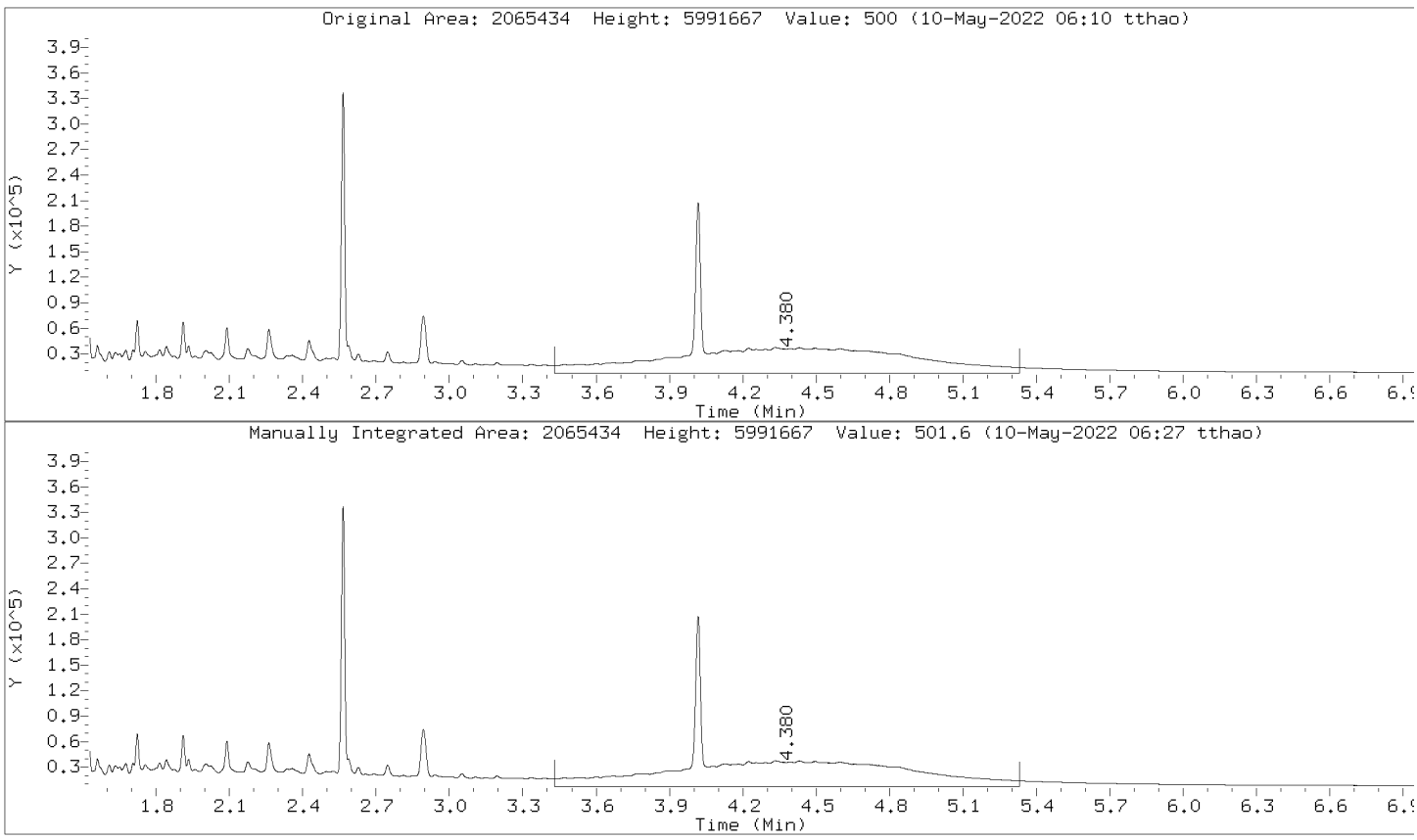
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



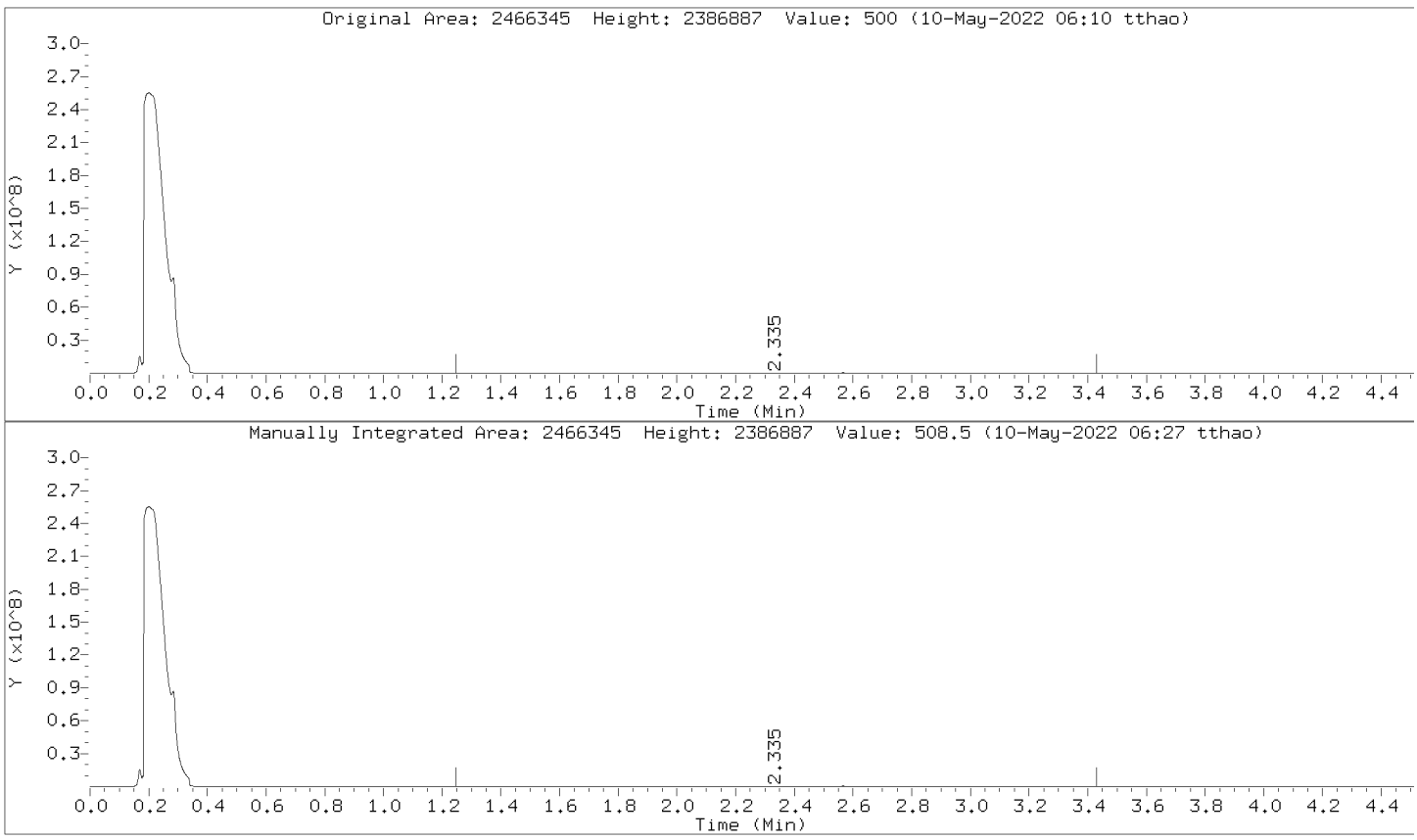
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



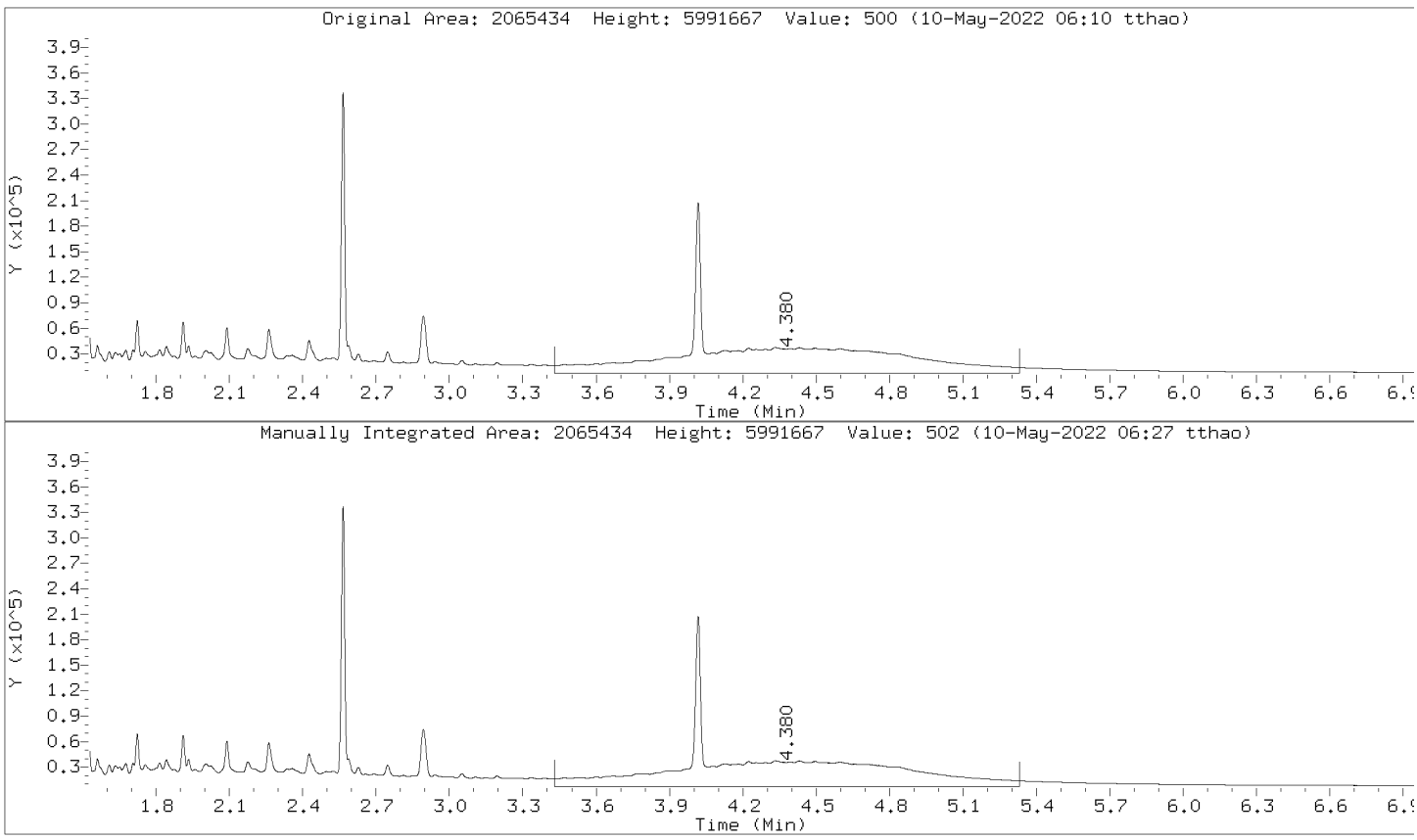
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



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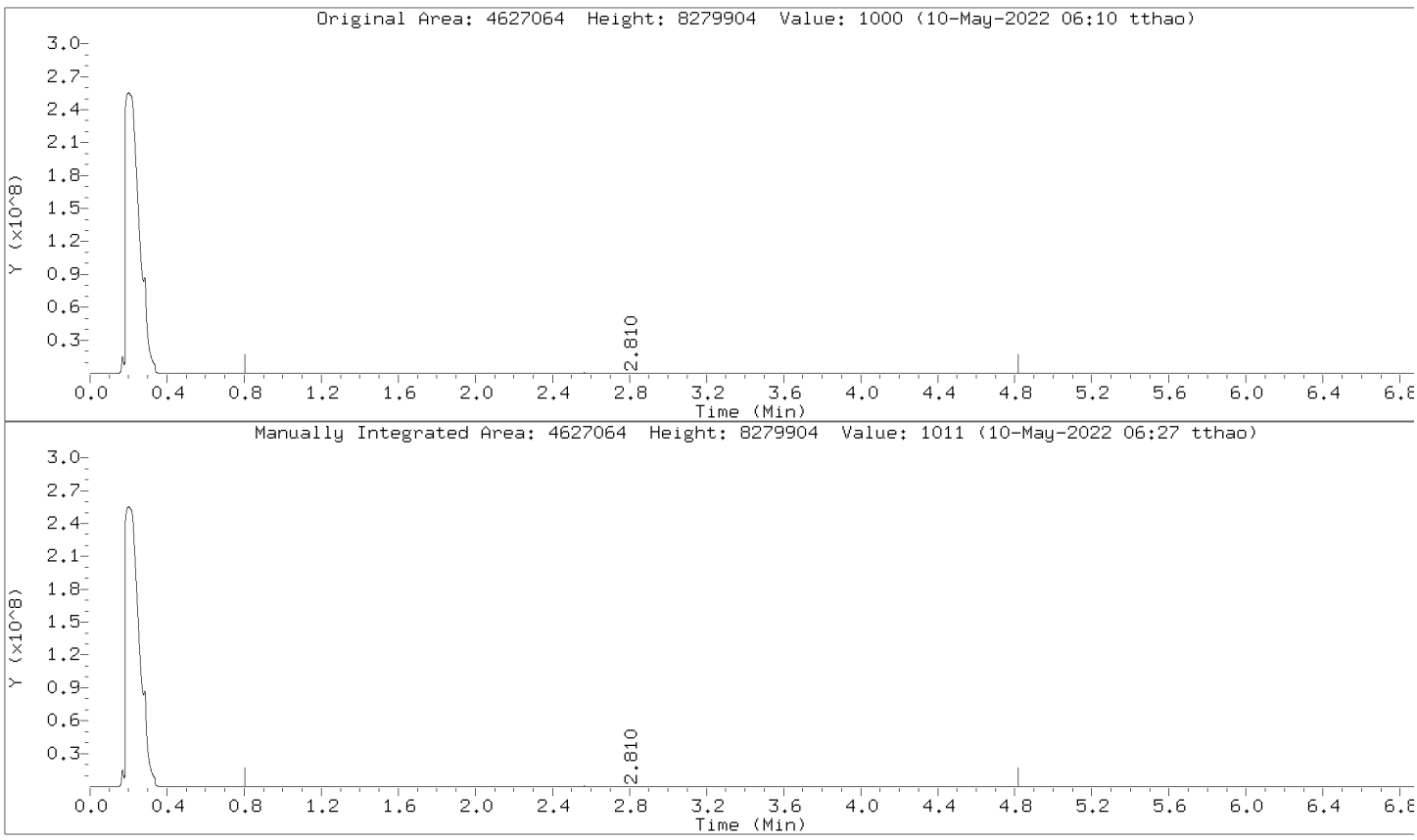
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: C10-C36 Review Code: RNG
CAS Number:



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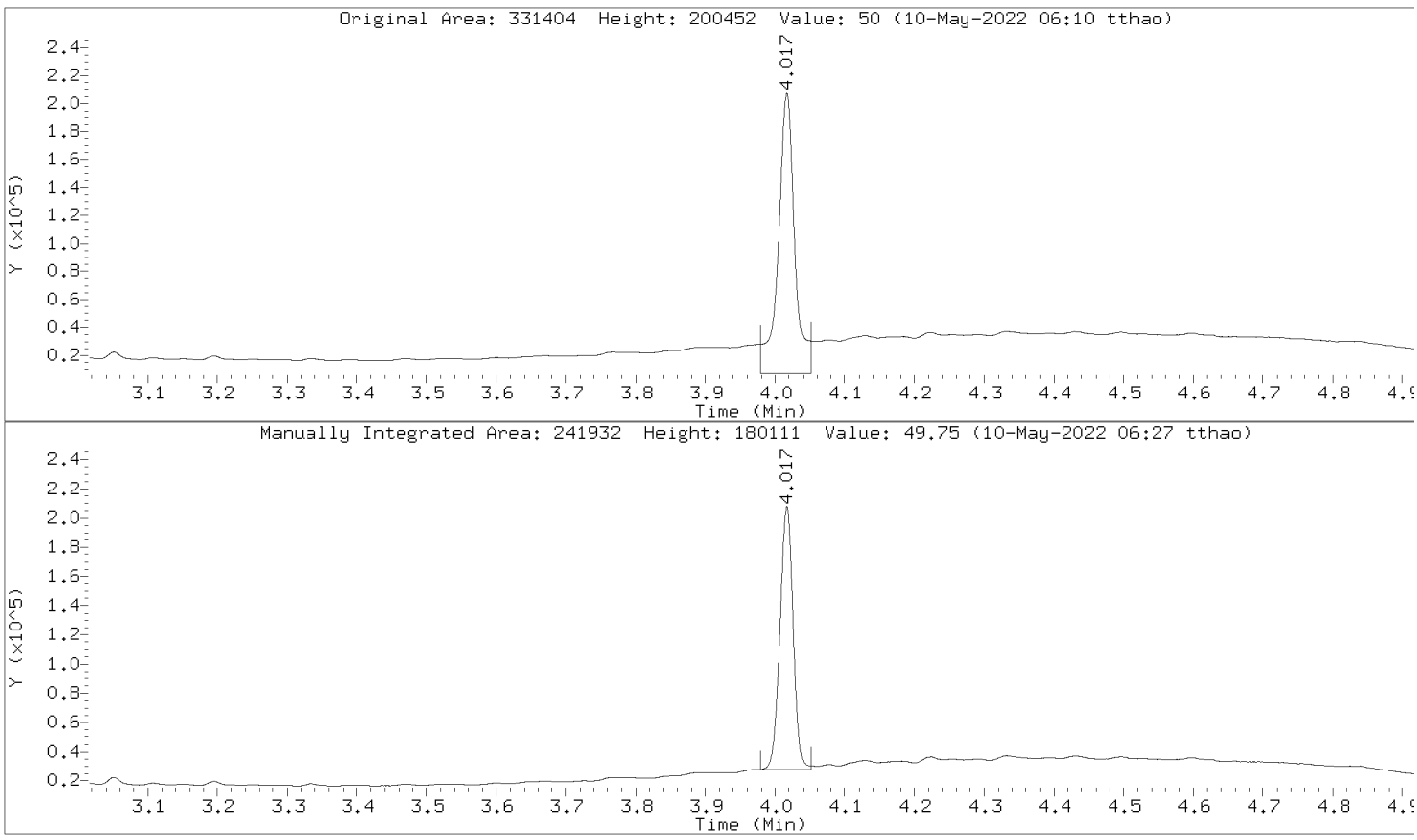
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



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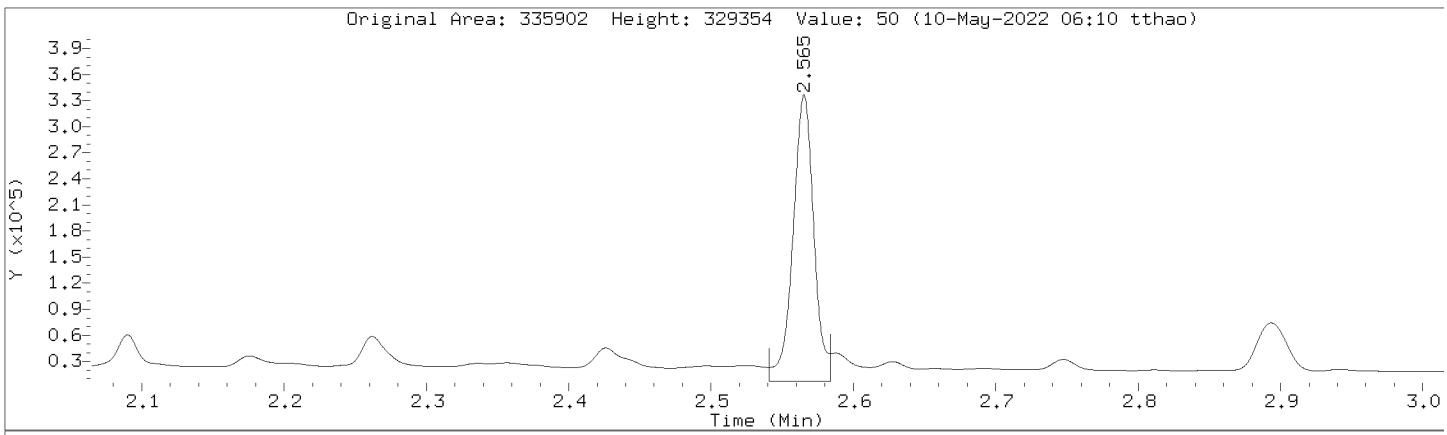
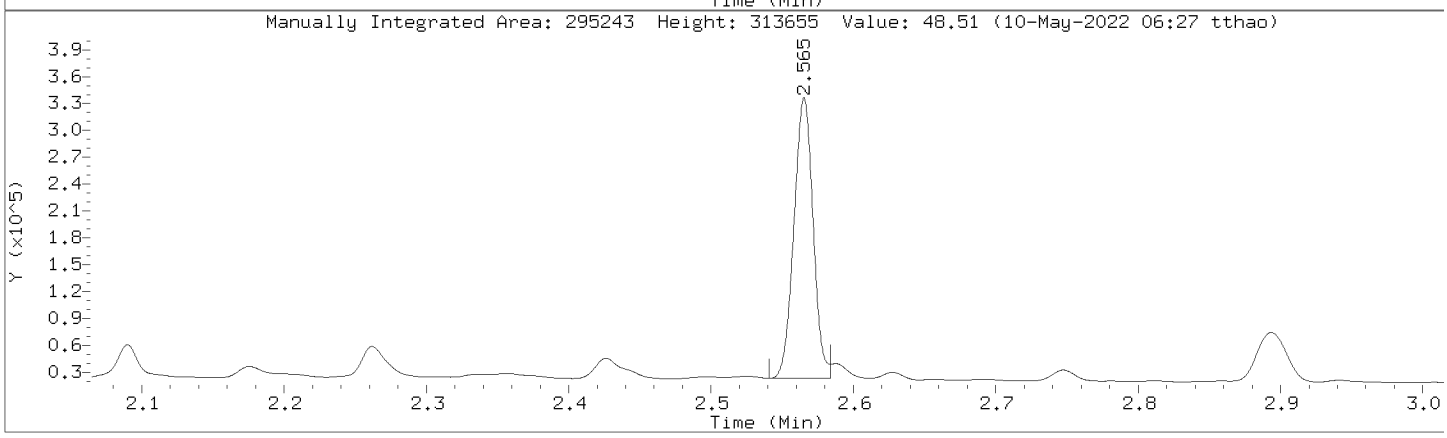
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:





Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1703629	1703629
DRO by AK 102	2923435	2923435
TPH-DRO (C10-C28)	3355850	3355850
Motor Oil Range (C24-C36)	1780783	1780783
Diesel Fuel Range	2466345	2466345
Motor Oil Range	2065434	2065434
Diesel Fuel Range SG	2466345	2466345
Motor Oil Range SG	2065434	2065434
C10-C36	4627064	4627064
n-Triacontane (S)	331404	241932
o-Terphenyl (S)	335902	295243

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000031.D
Lab Smp Id: DMO-CAL8,364986:2 Client Smp ID: DMO-CAL8,364986:2
Inj Date : 09-MAY-2022 16:41
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal8,364986:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 10 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		5582380	1000.00	1020	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.566	2.565	0.001	588897	100.000	96.8	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.019	4.017	0.002	483352	100.000	99.4	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		3317081	1000.00	1000	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		6405840	1000.00	1020	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		3460735	1000.00	1000	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		8899462	2000.00	2030	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		4693570	1000.00	1020	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		4693570	1000.00	1020	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		3996918	1000.00	998	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		3996918	1000.00	998	(M)	RNG

QC Flag Legend

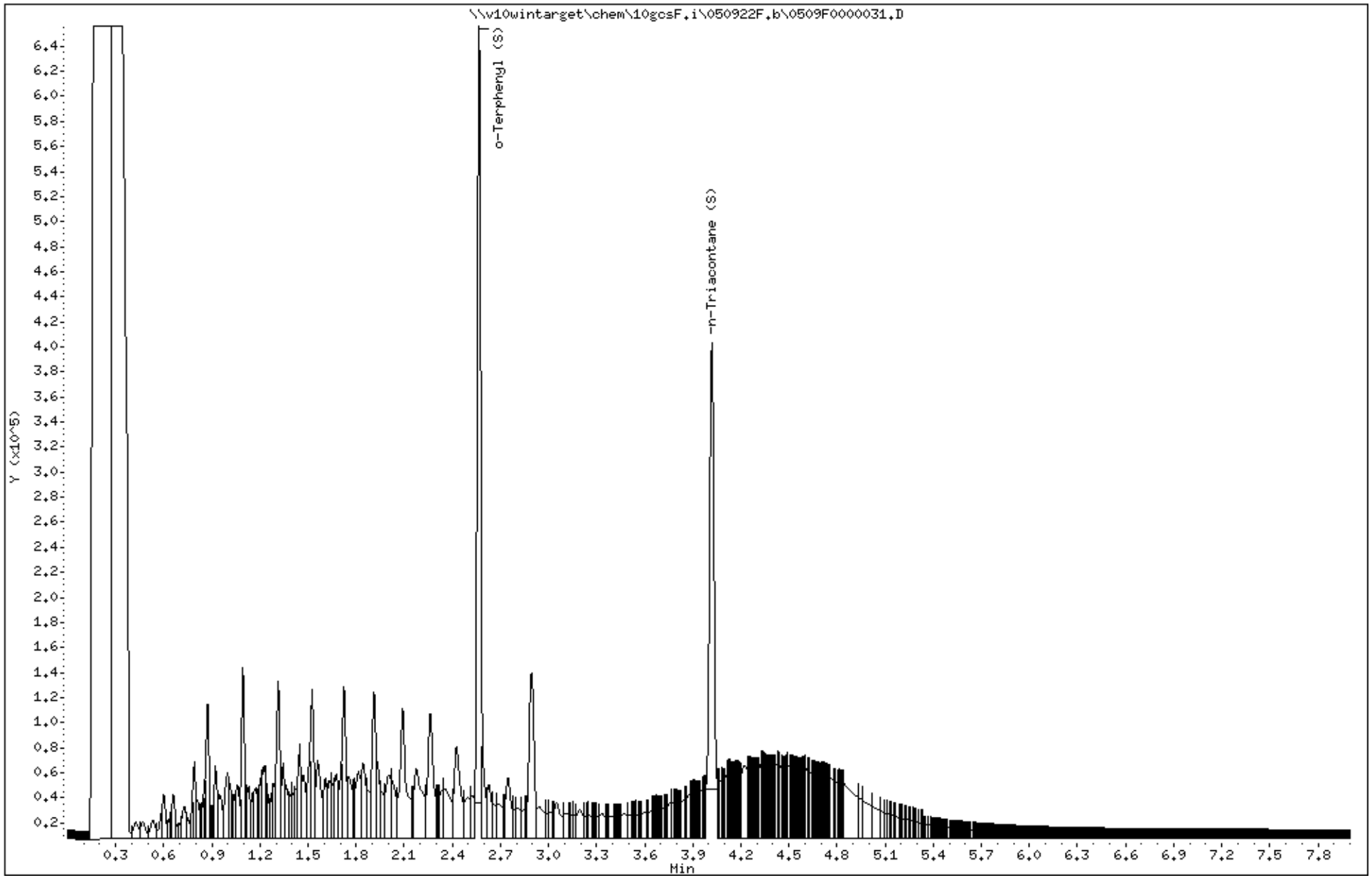
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000031.D
Date : 09-MAY-2022 16:41
Client ID: DMO-CAL8,364986:2
Sample Info: DMO-CAL8,364986:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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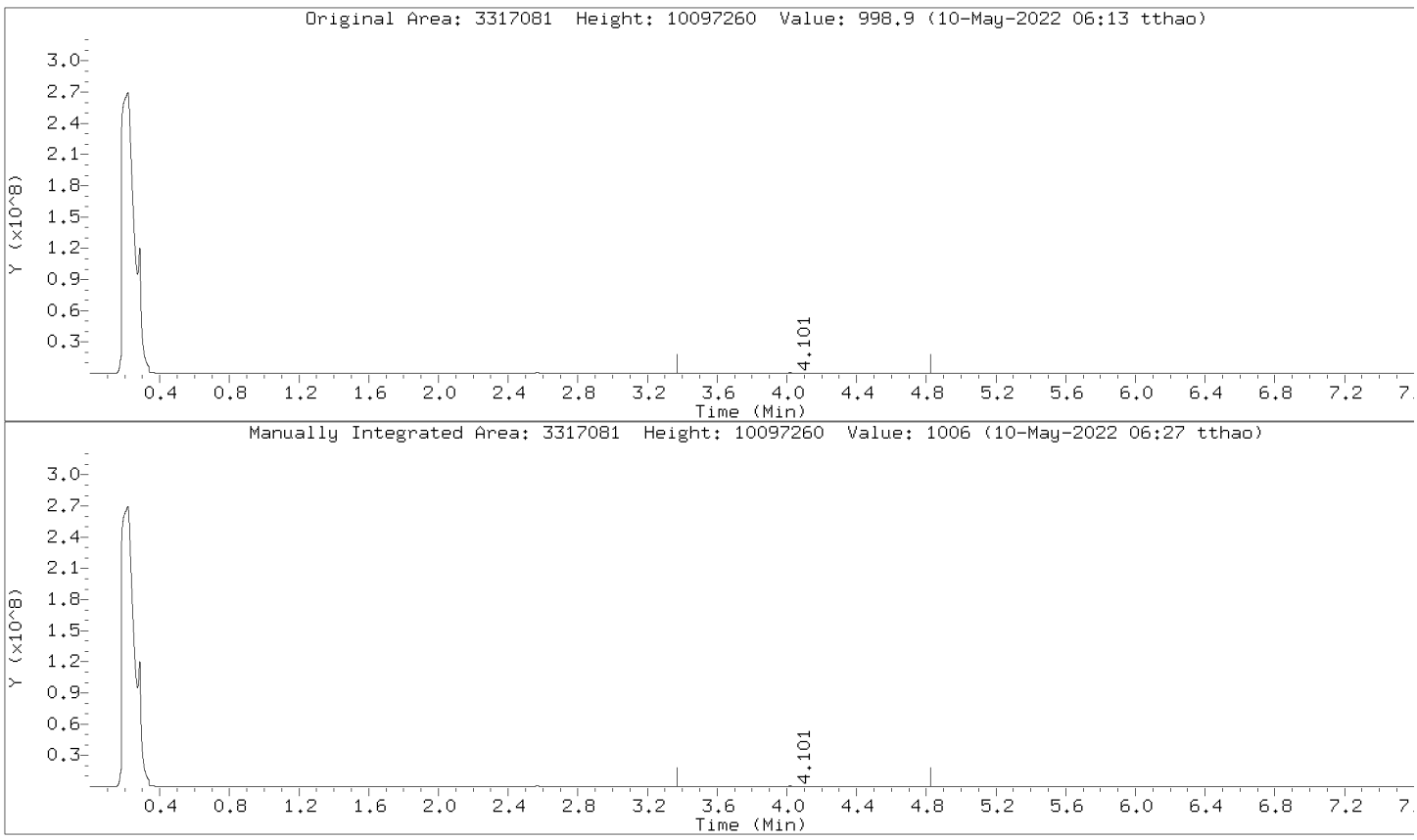
109 of 653
10606563

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



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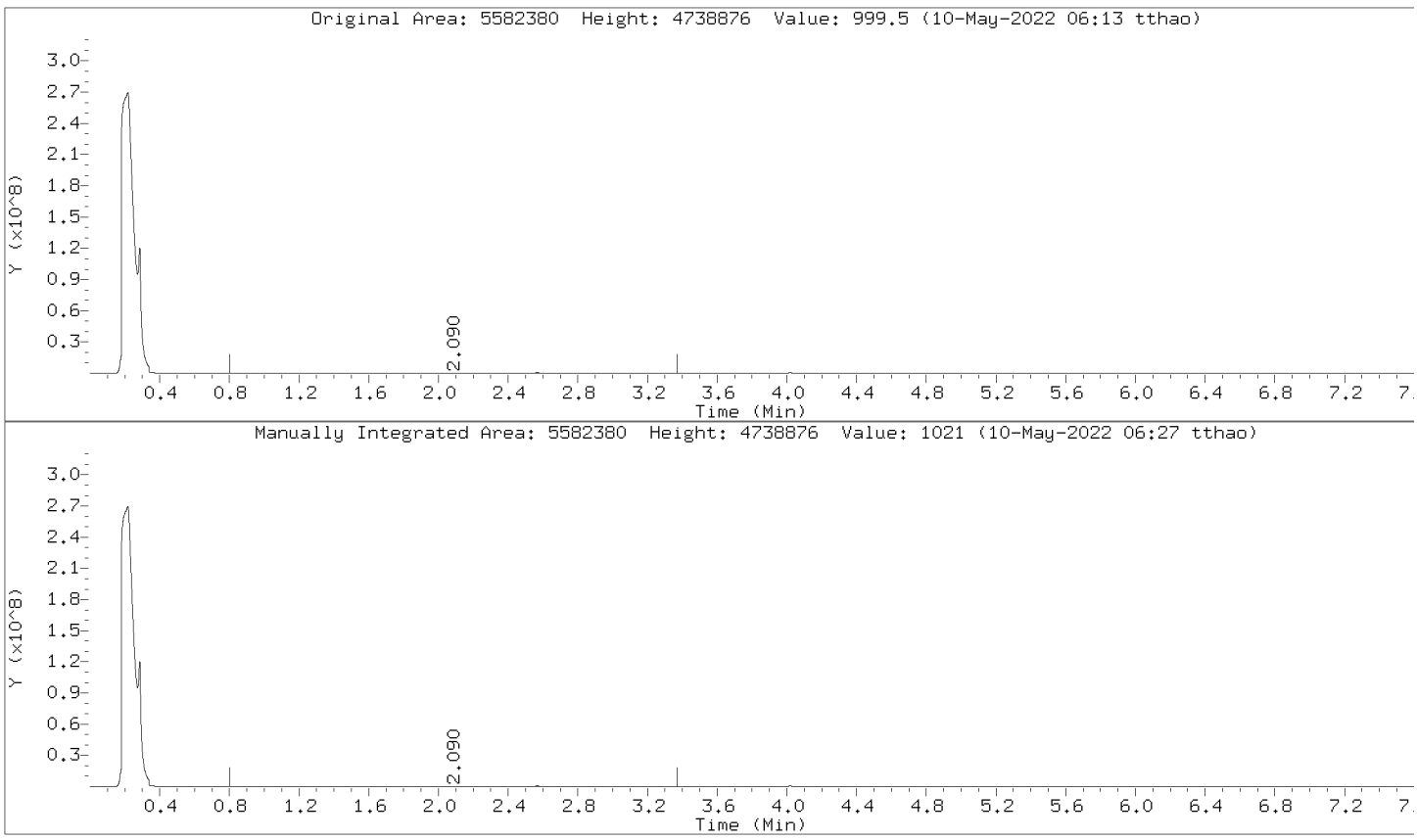
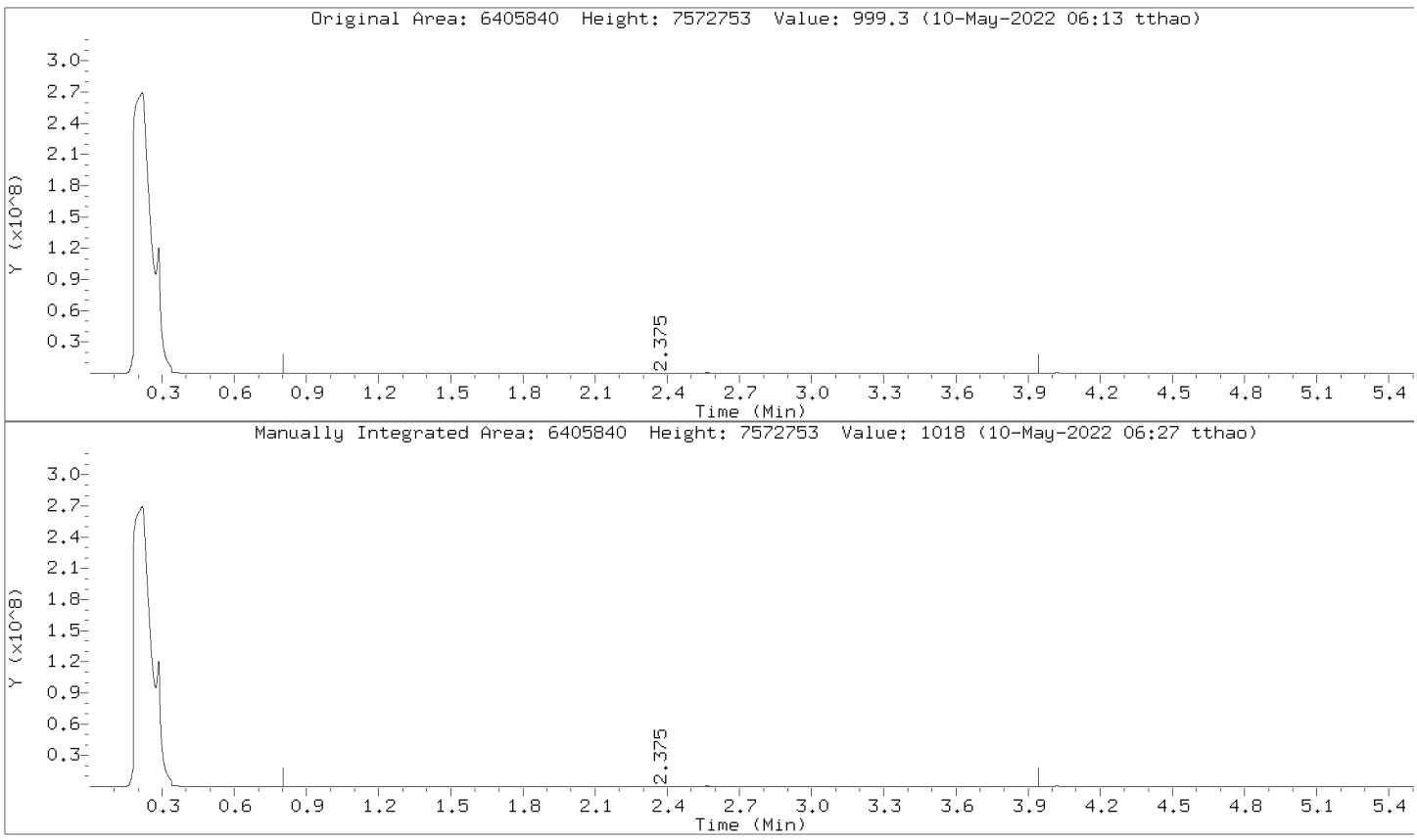
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



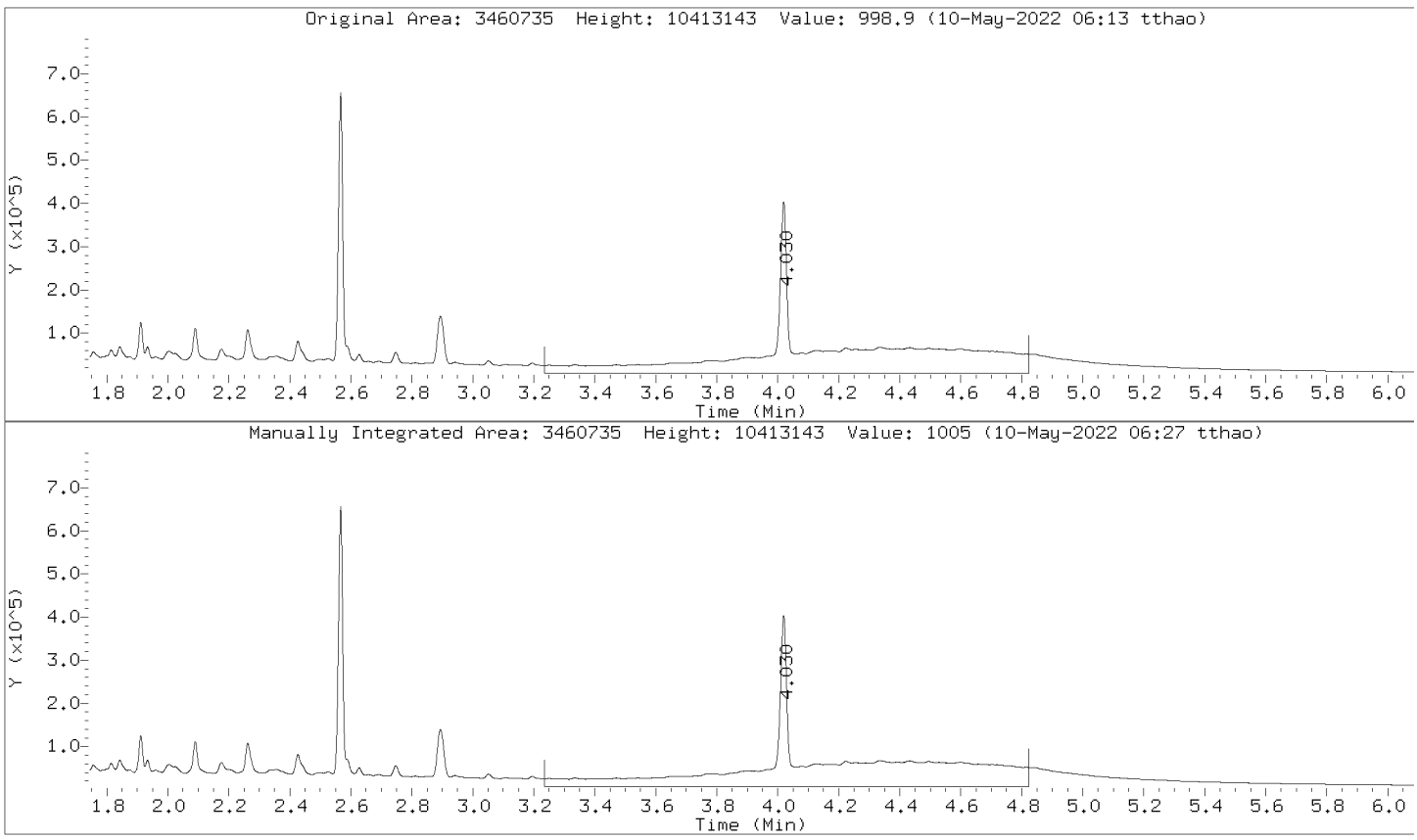
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



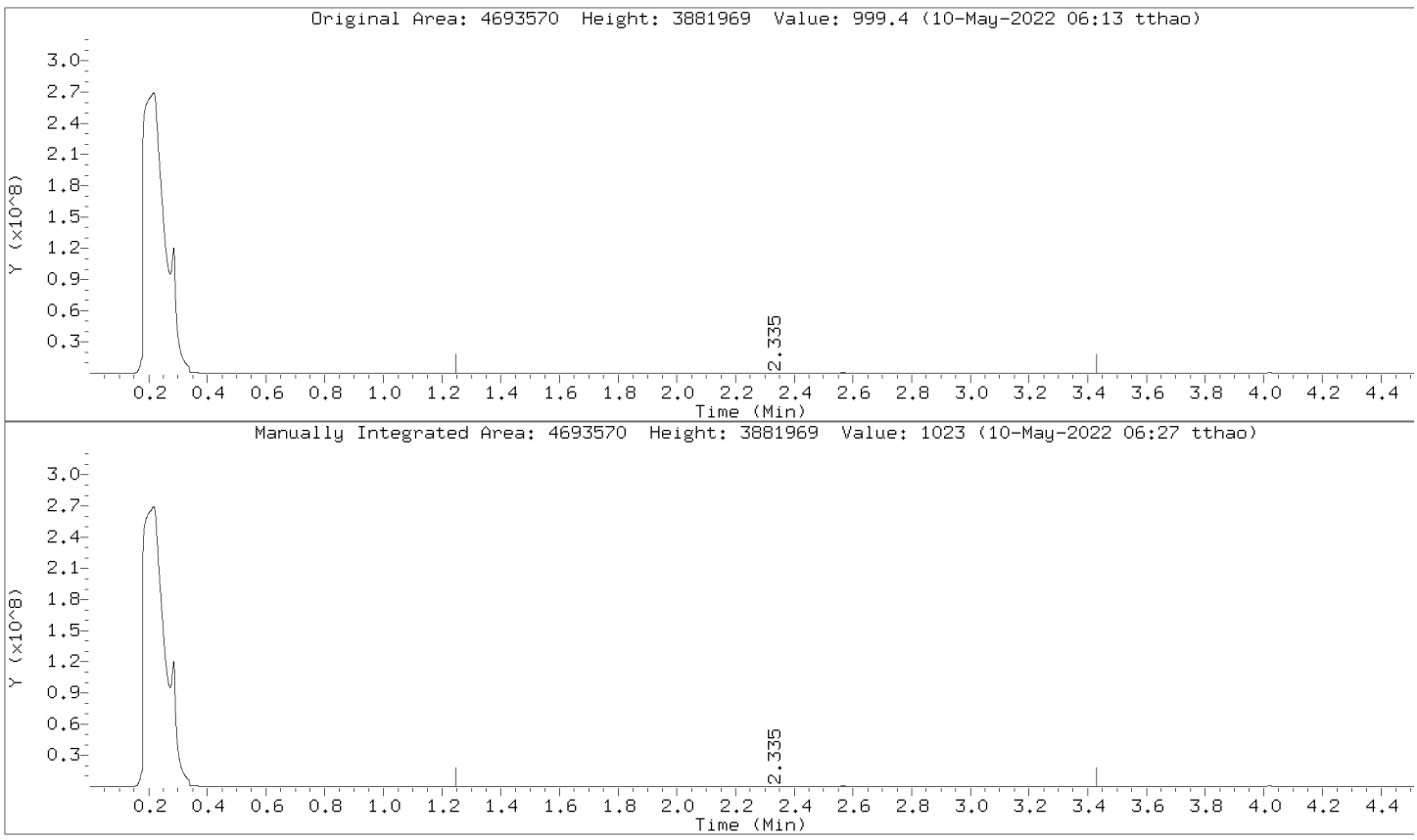
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



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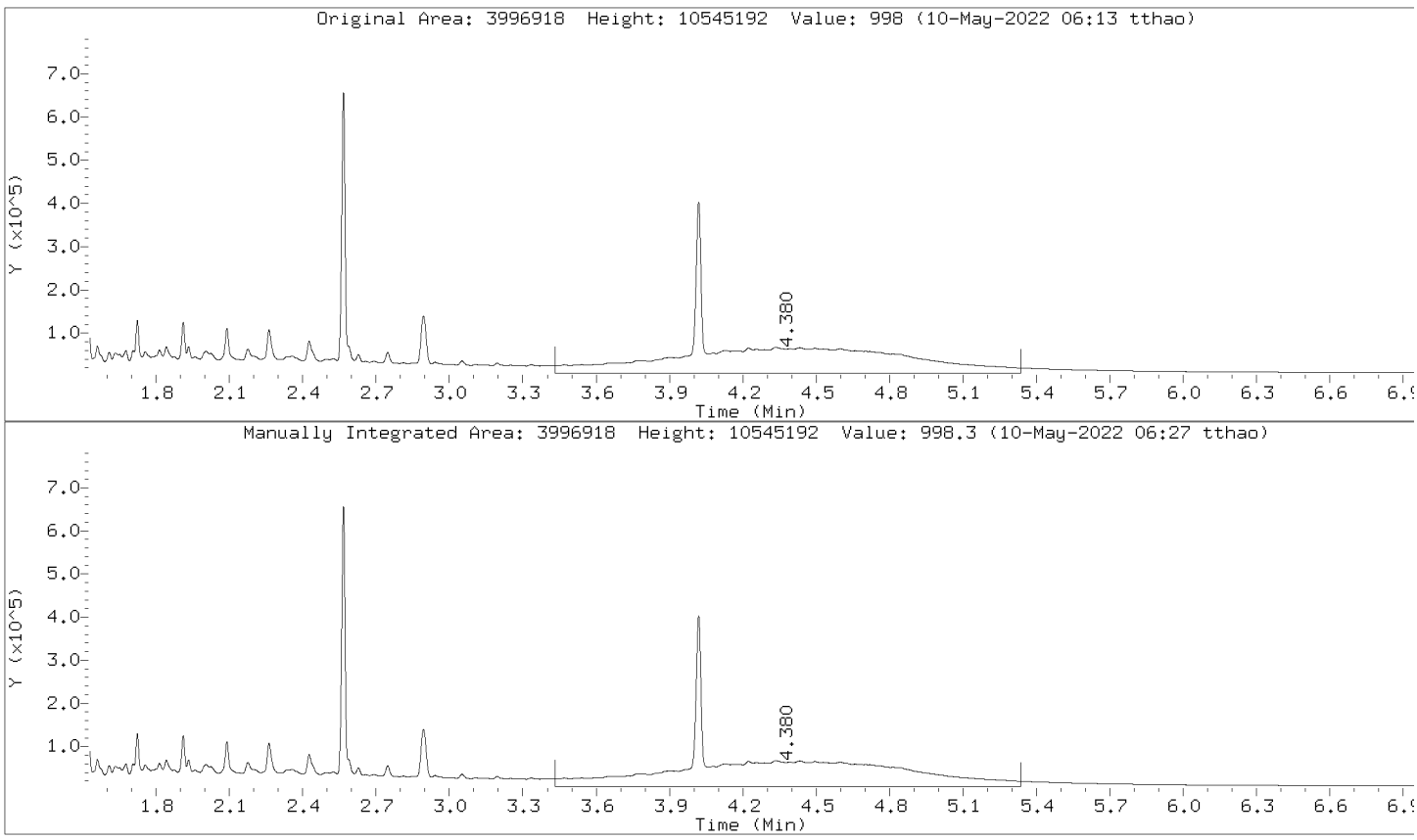
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



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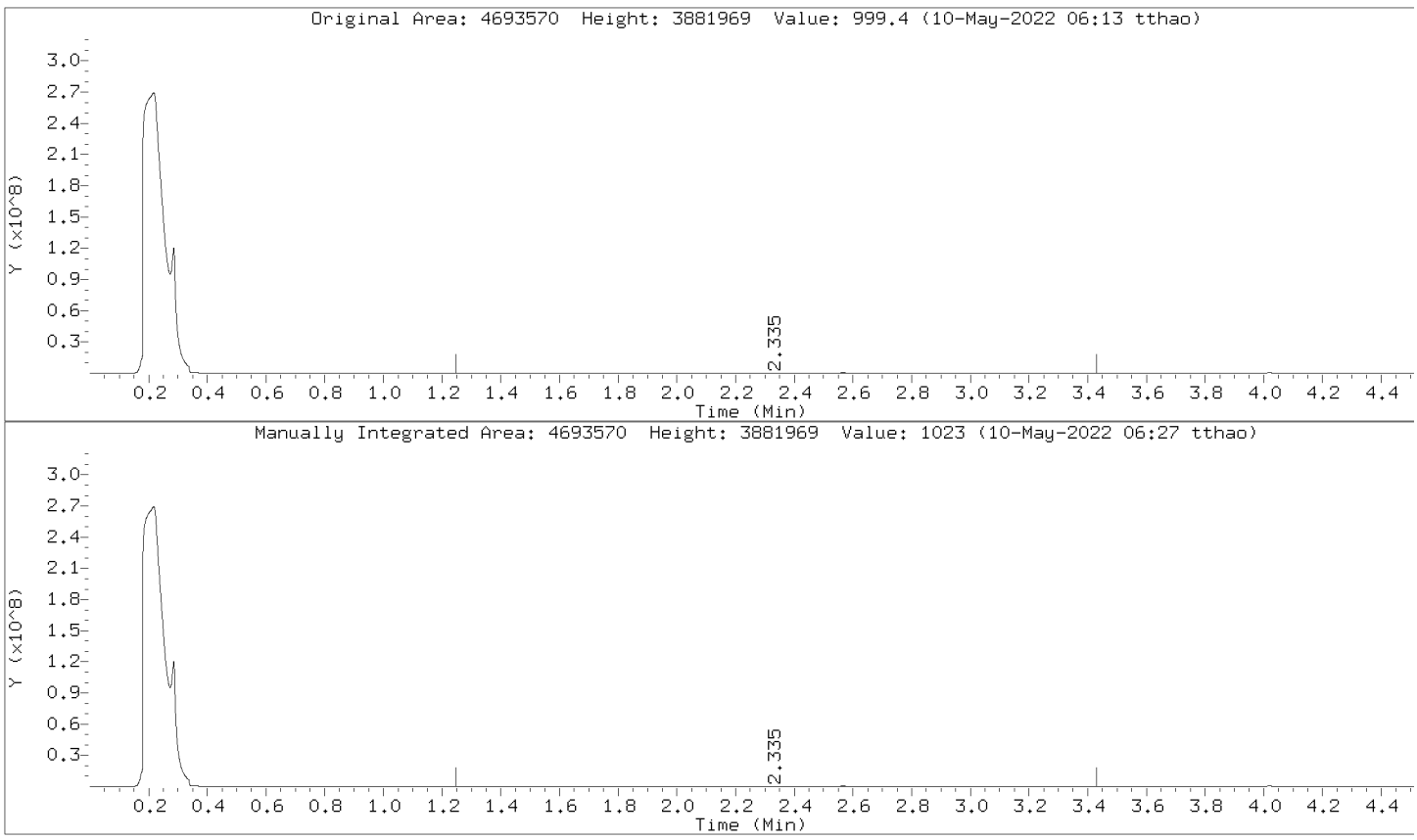
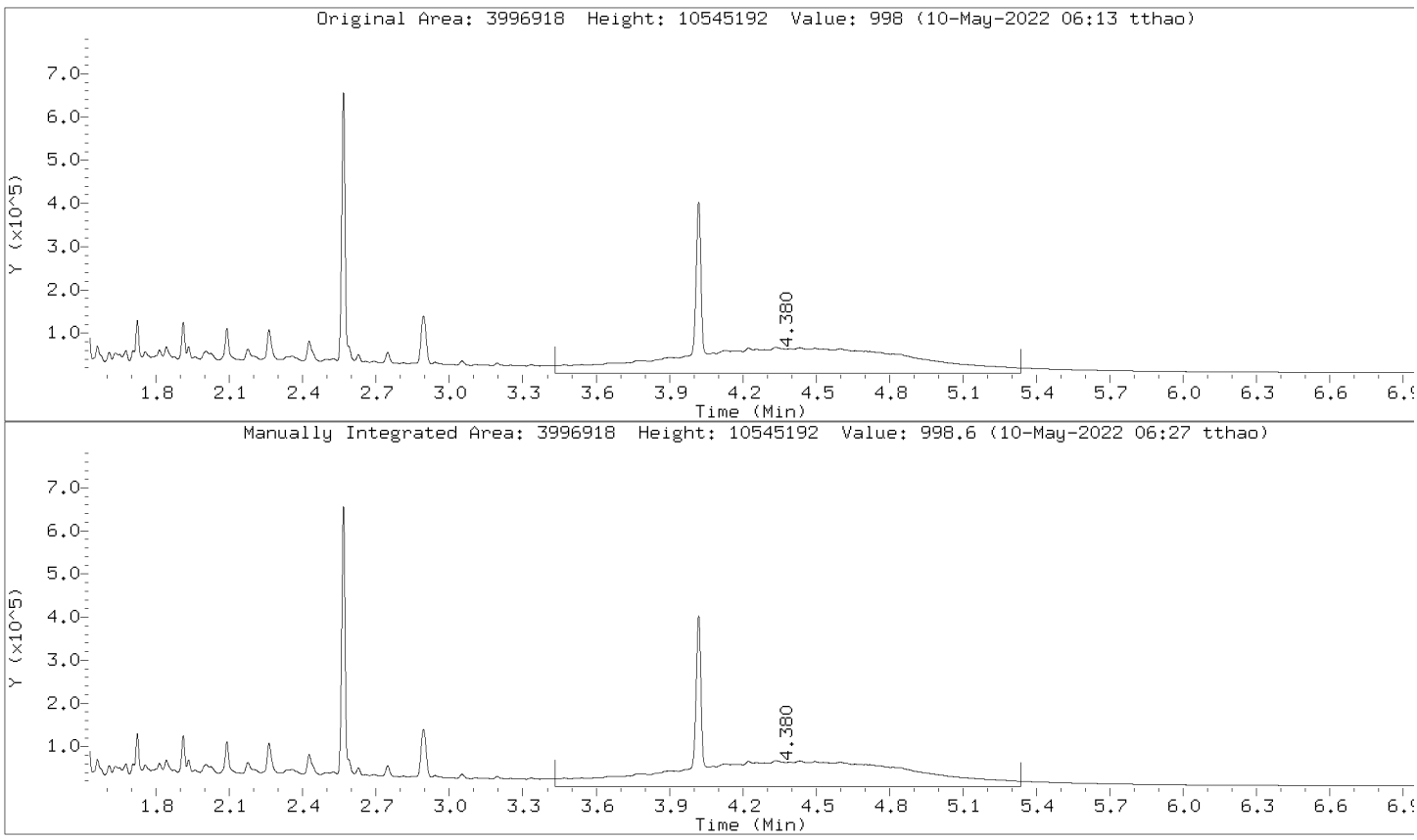
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



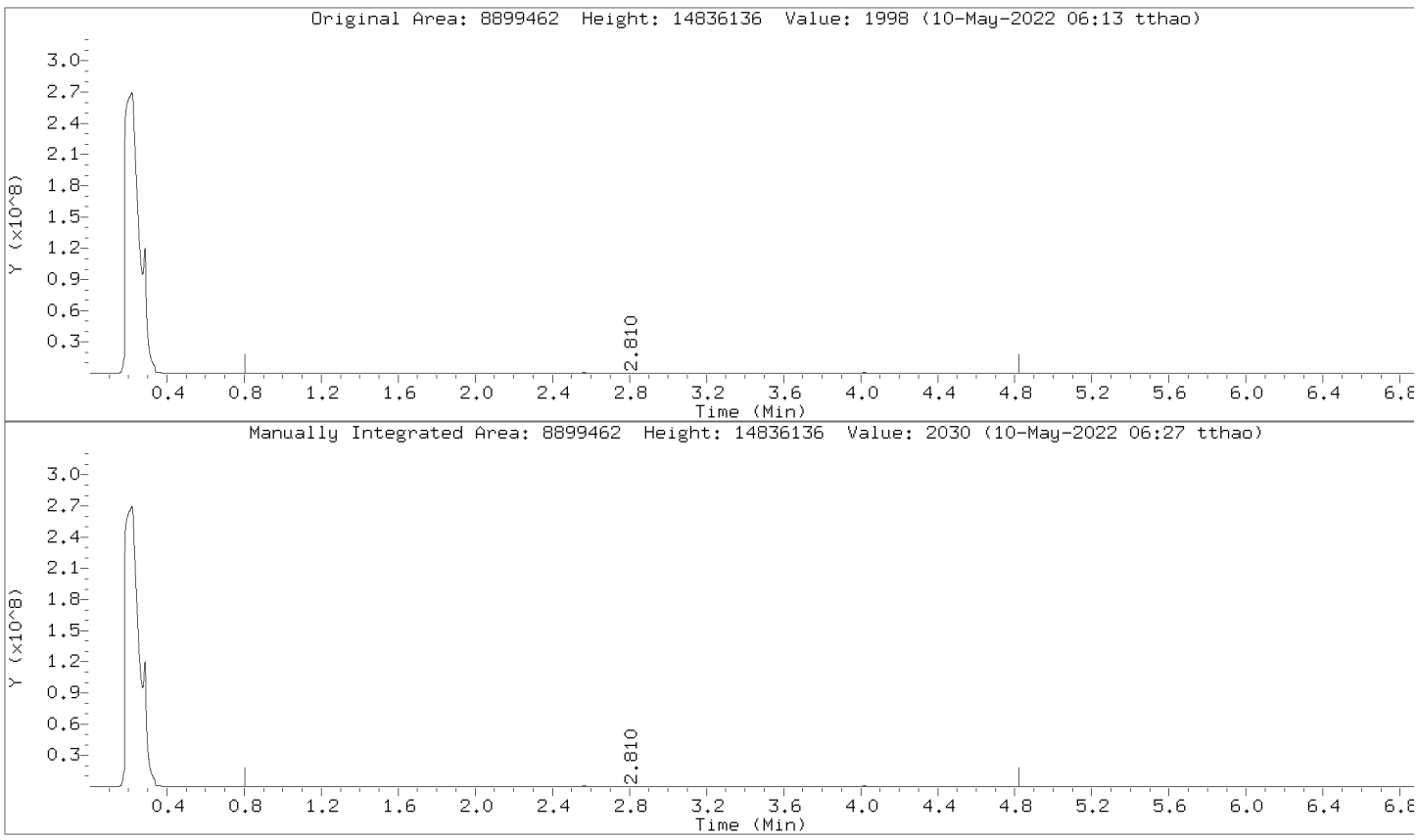
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



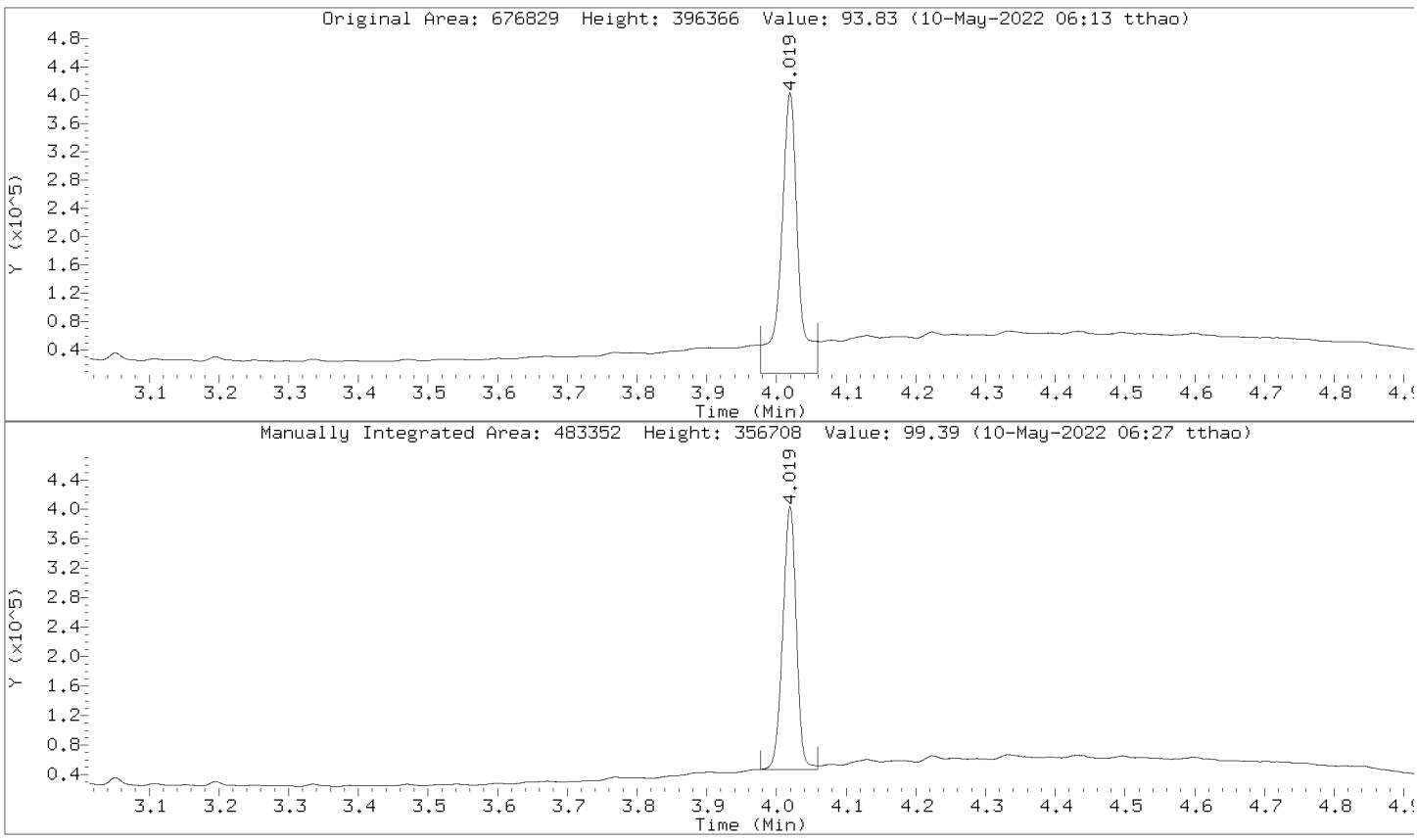
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: C10-C36 Review Code: RNG
CAS Number:



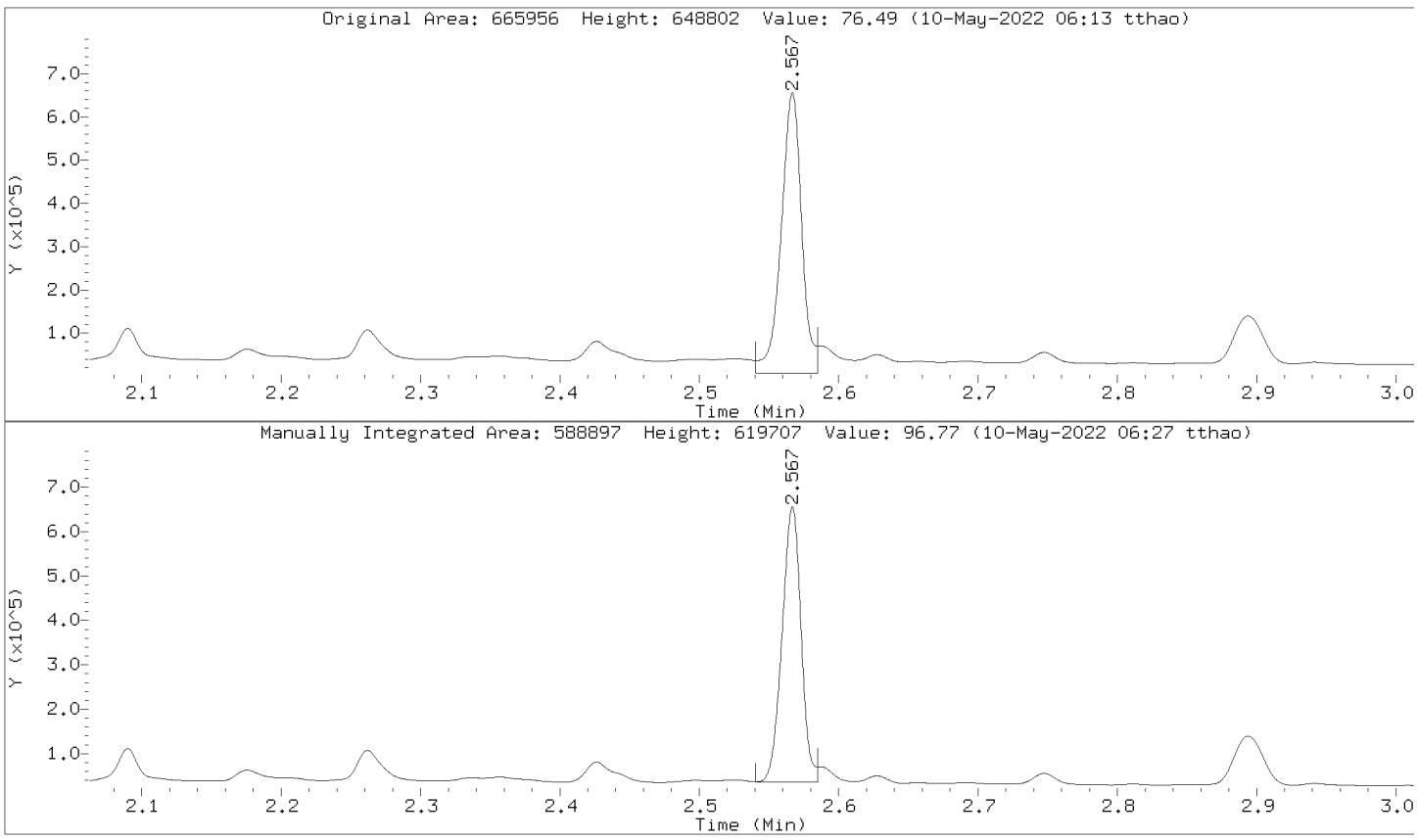
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	3317081	3317081
DRO by AK 102	5582380	5582380
TPH-DRO (C10-C28)	6405840	6405840
Motor Oil Range (C24-C36)	3460735	3460735
Diesel Fuel Range	4693570	4693570
Motor Oil Range	3996918	3996918
Diesel Fuel Range SG	4693570	4693570
Motor Oil Range SG	3996918	3996918
C10-C36	8899462	8899462
n-Triacontane (S)	676829	483352
o-Terphenyl (S)	665956	588897

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000032.D
Lab Smp Id: DMO-CAL9,364987:2 Client Smp ID: DMO-CAL9,364987:2
Inj Date : 09-MAY-2022 16:53
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal9,364987:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 11 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		10708209	2000.00	2010	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.570	2.565	0.005	1218261	200.000	200	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.023	4.017	0.006	949227	200.000	195	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		6584732	2000.00	2020	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		12324573	2000.00	2010	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		6862239	2000.00	2020	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		17292941	4000.00	4030	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		8970491	2000.00	2010	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		8970491	2000.00	2010	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		8005827	2000.00	2030	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		8005827	2000.00	2030	(M)	RNG

QC Flag Legend

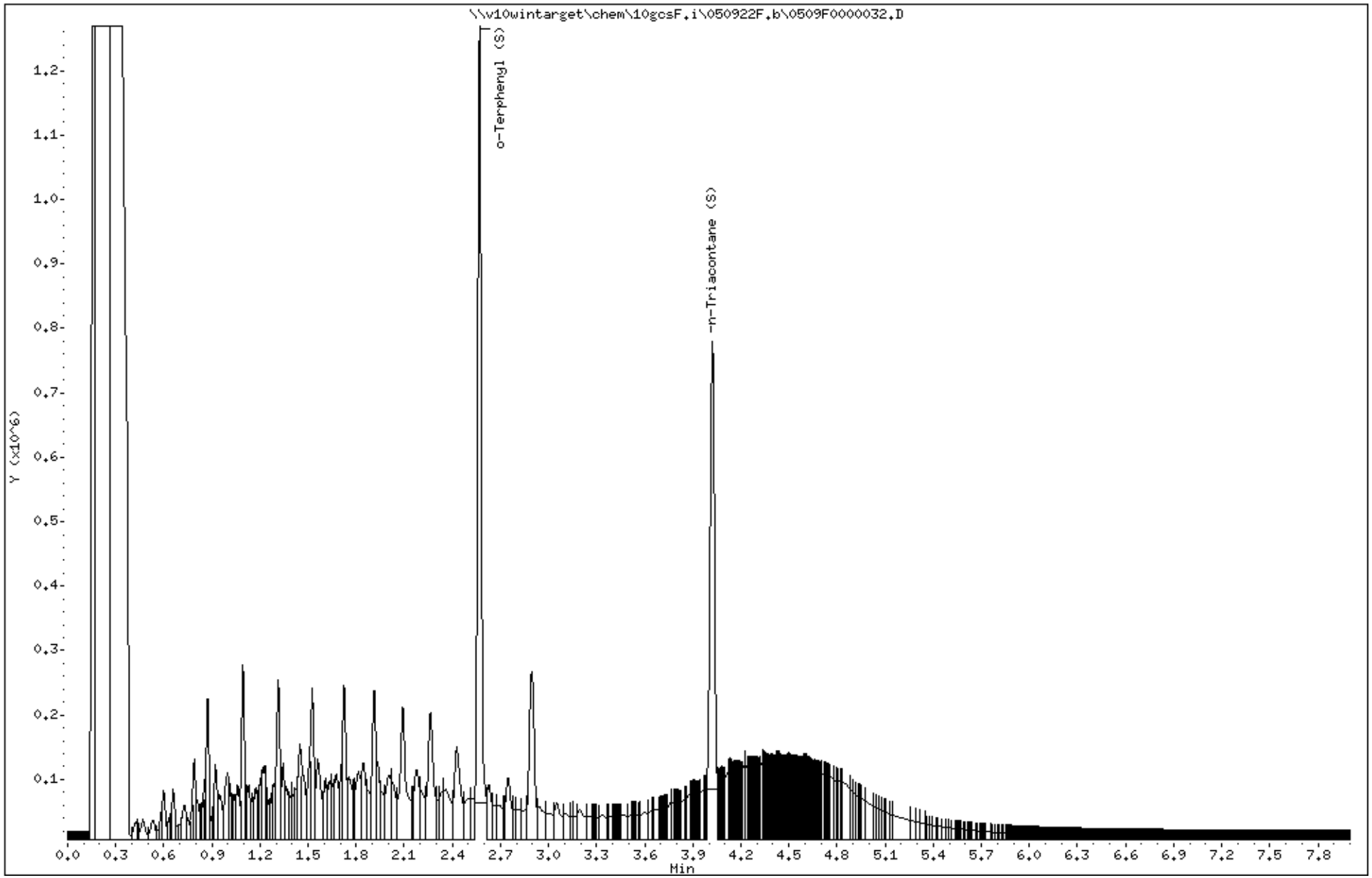
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000032.D
Date : 09-MAY-2022 16:53
Client ID: DMO-CAL9,364987:2
Sample Info: DMO-CAL9,364987:2

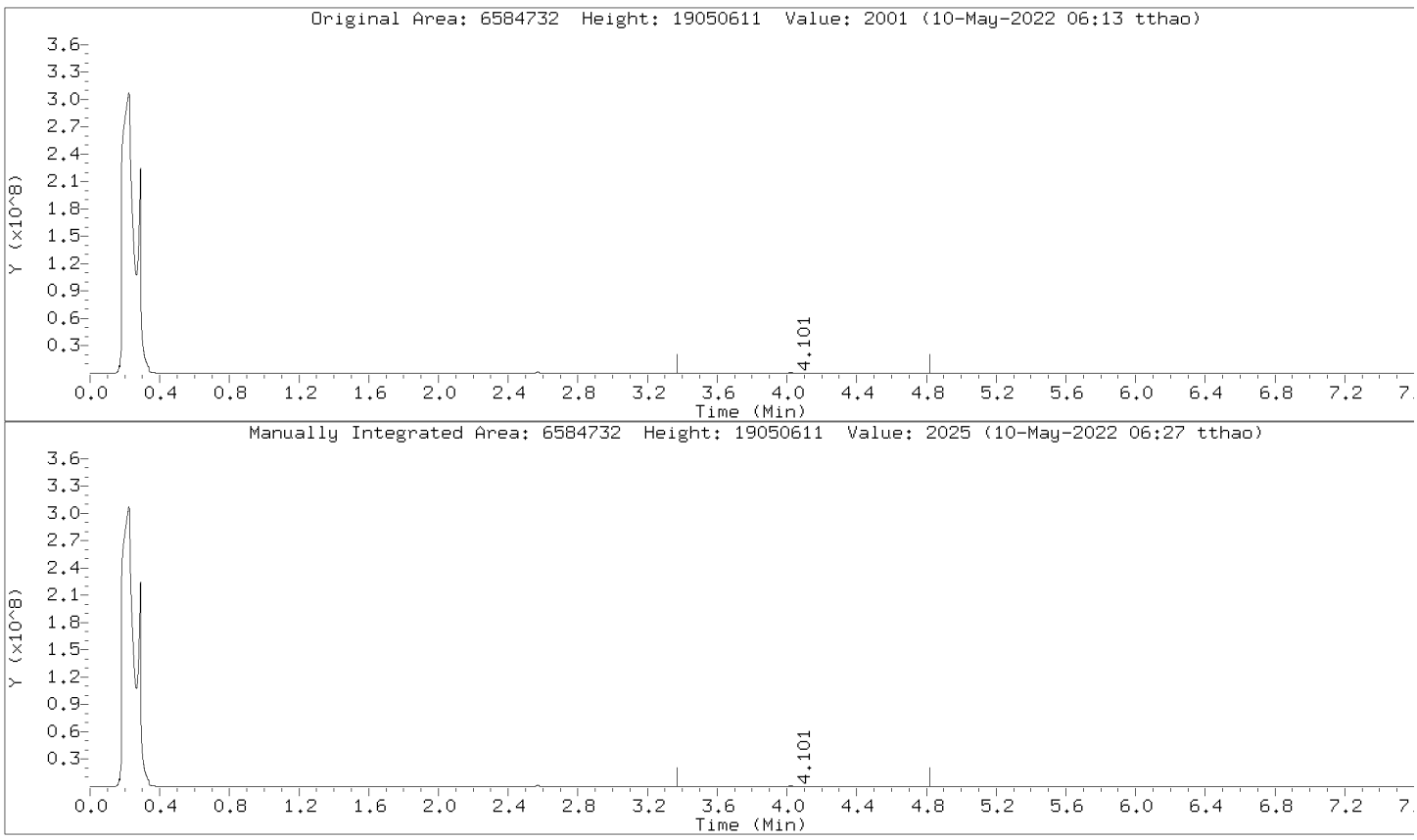
Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



150 of 1139
123 of 653
10606563

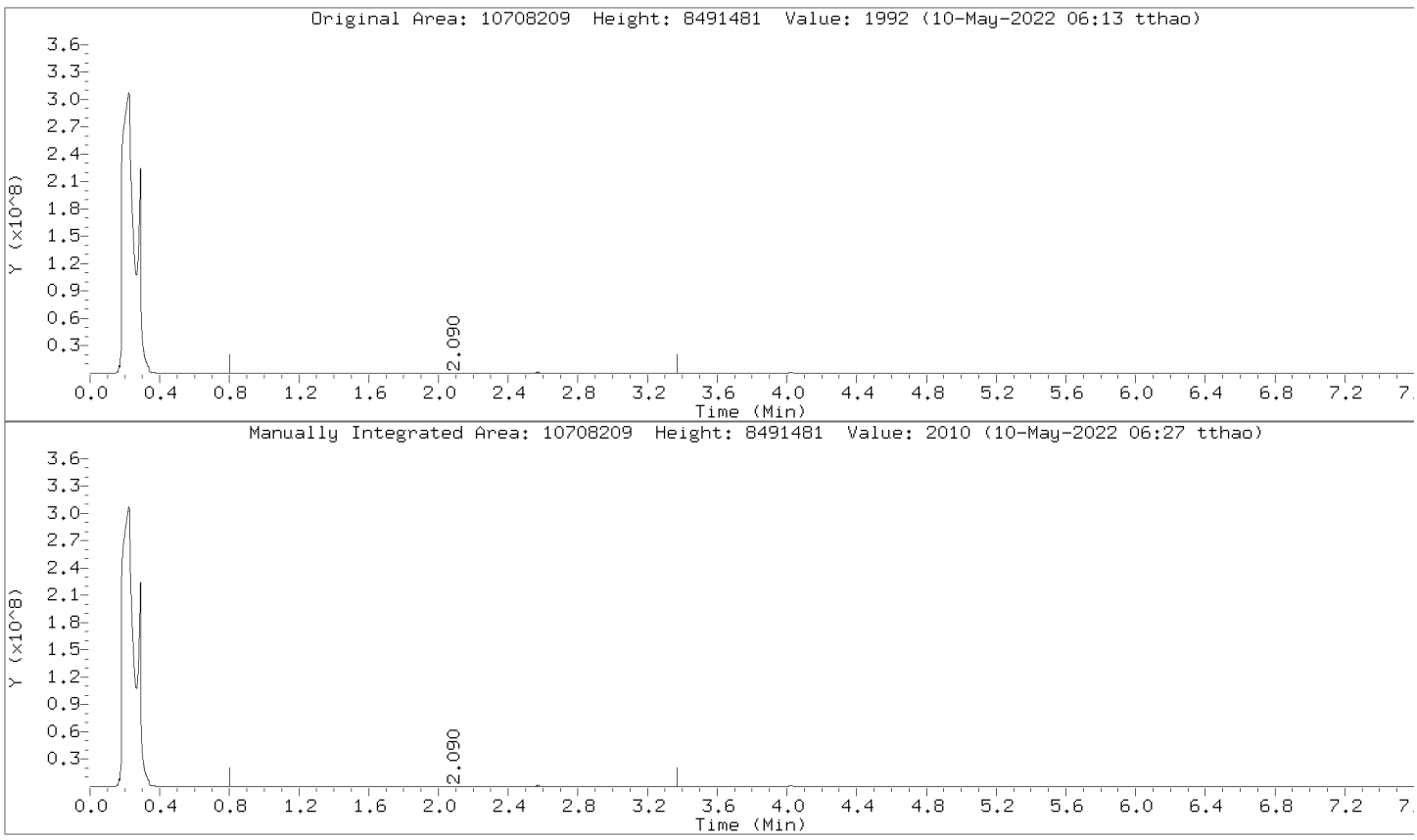
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



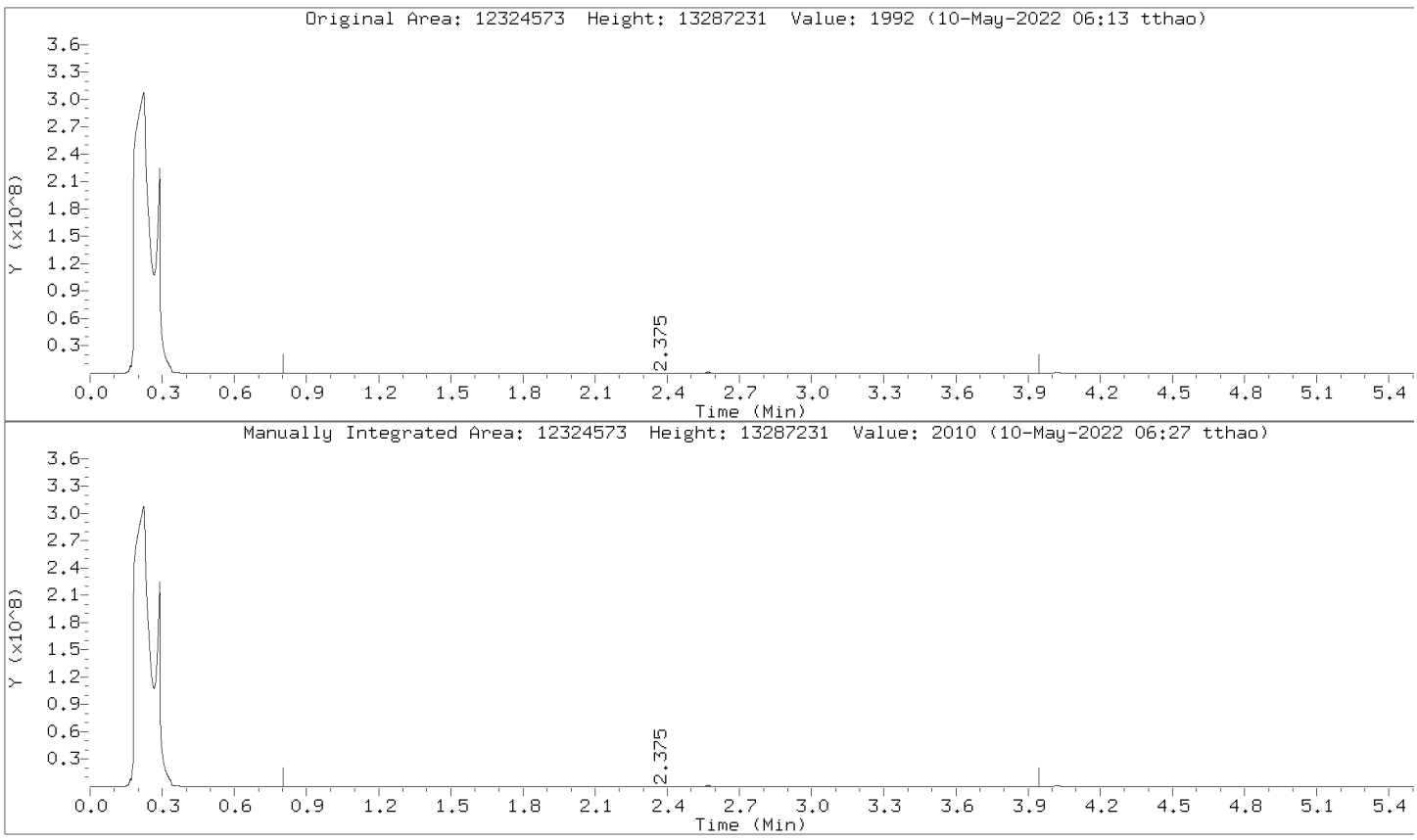
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



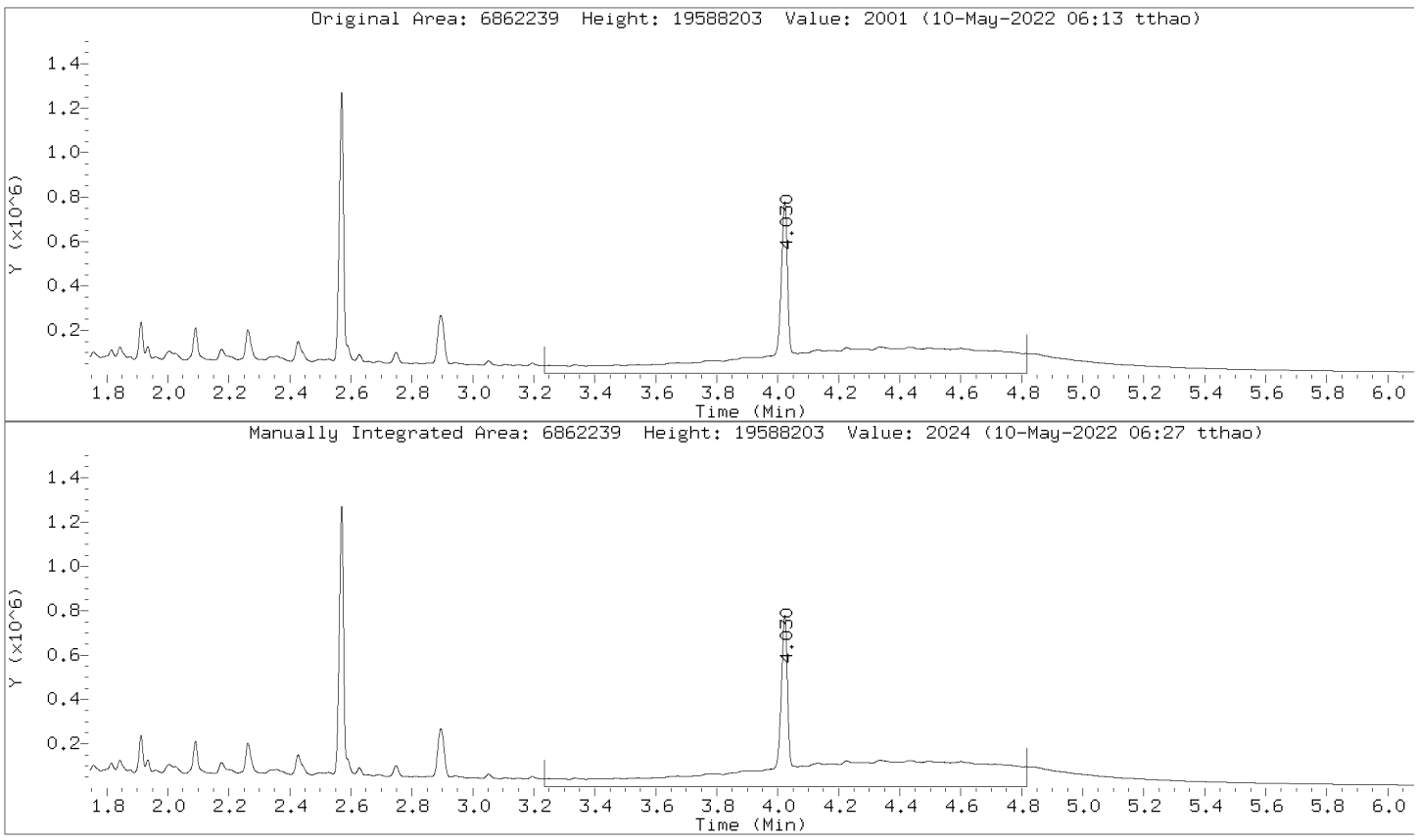
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



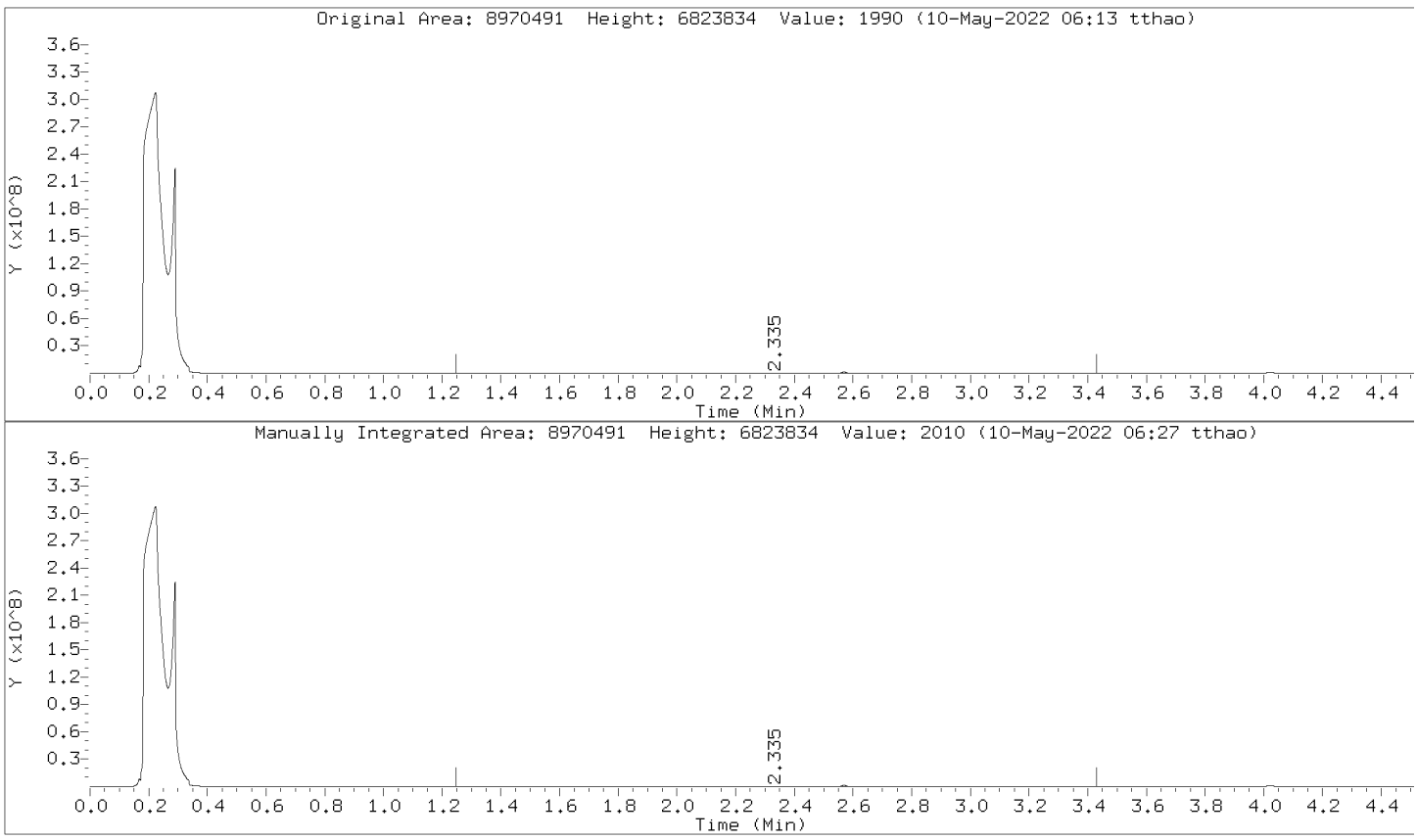
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



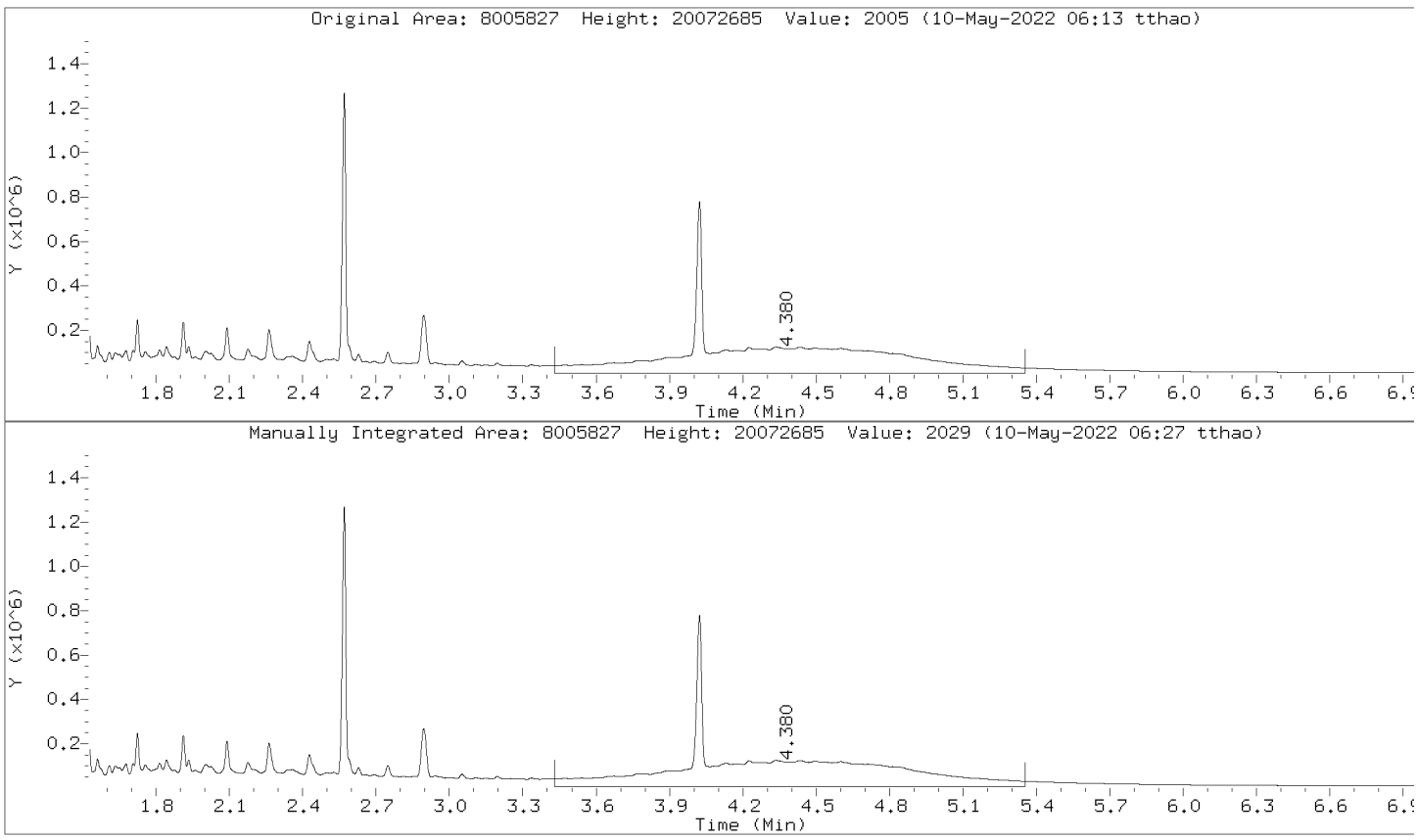
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



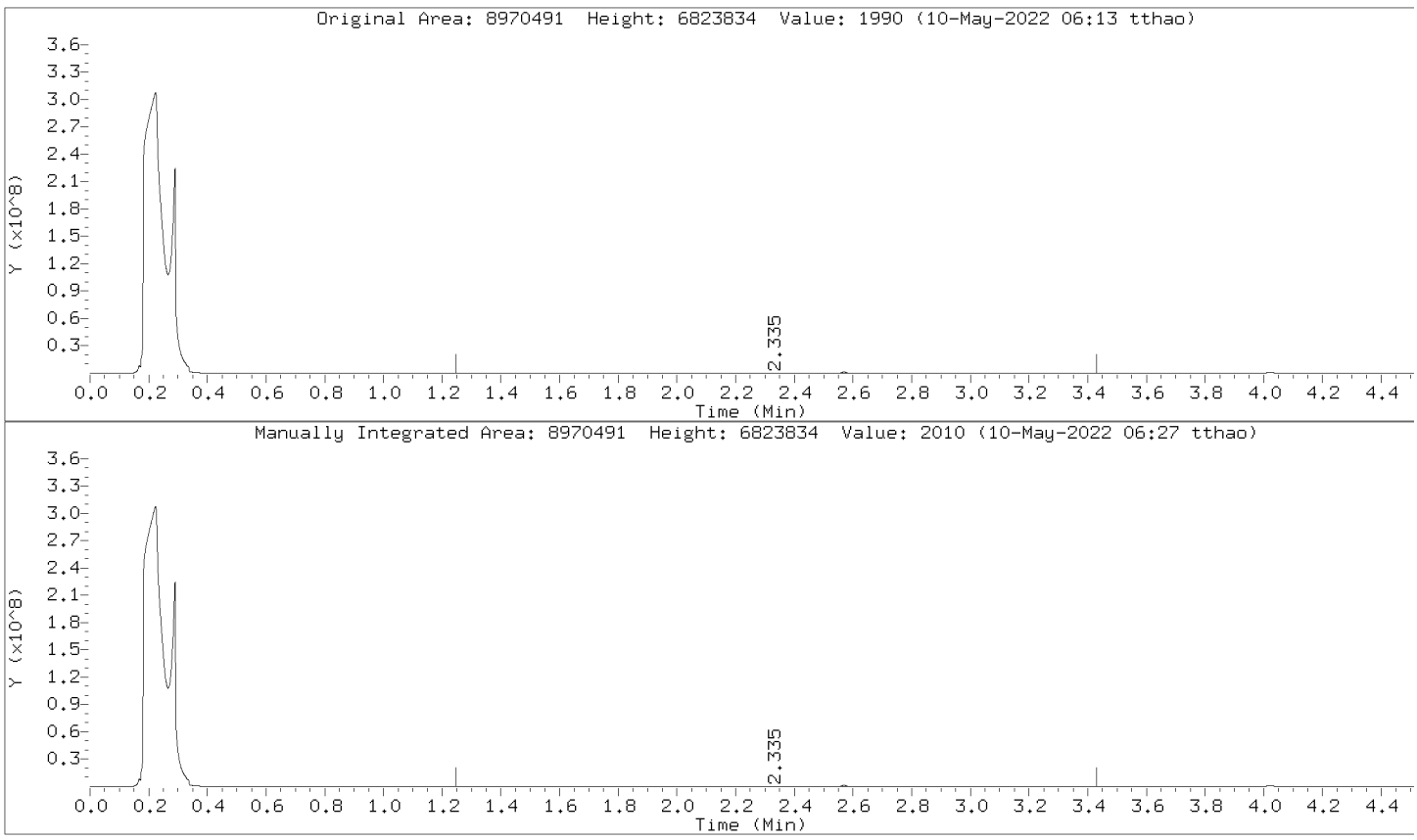
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



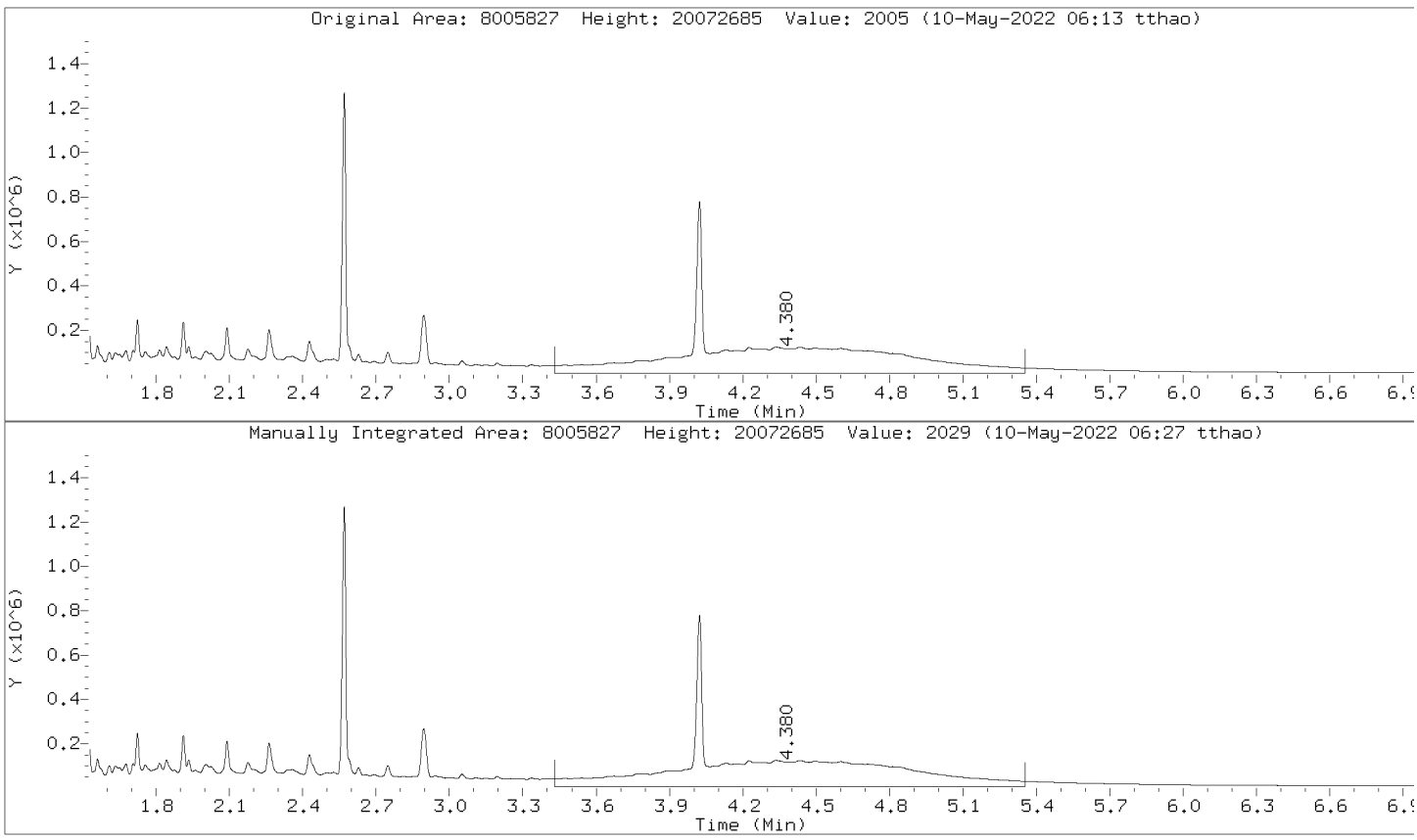
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



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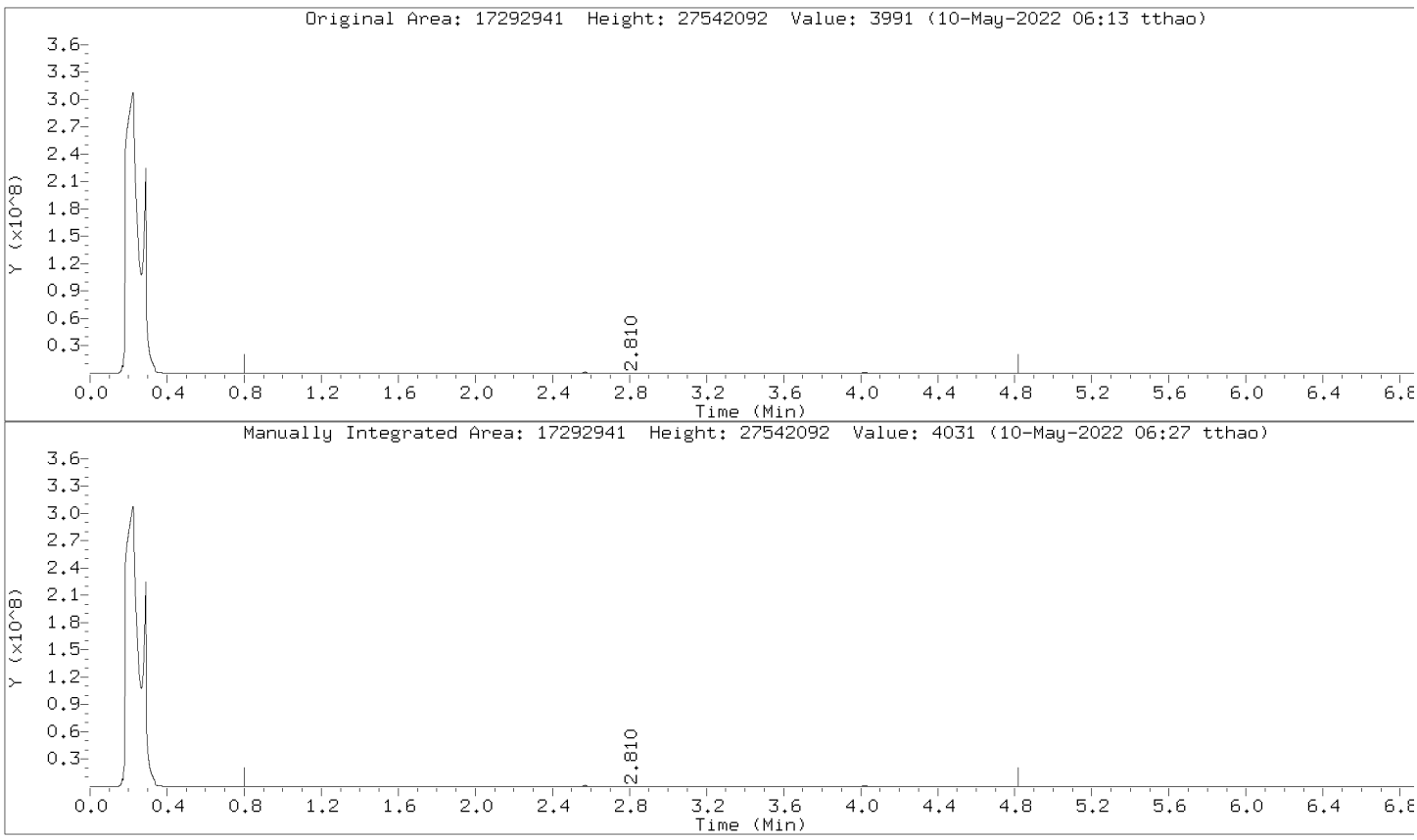
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: C10-C36 Review Code: RNG
CAS Number:



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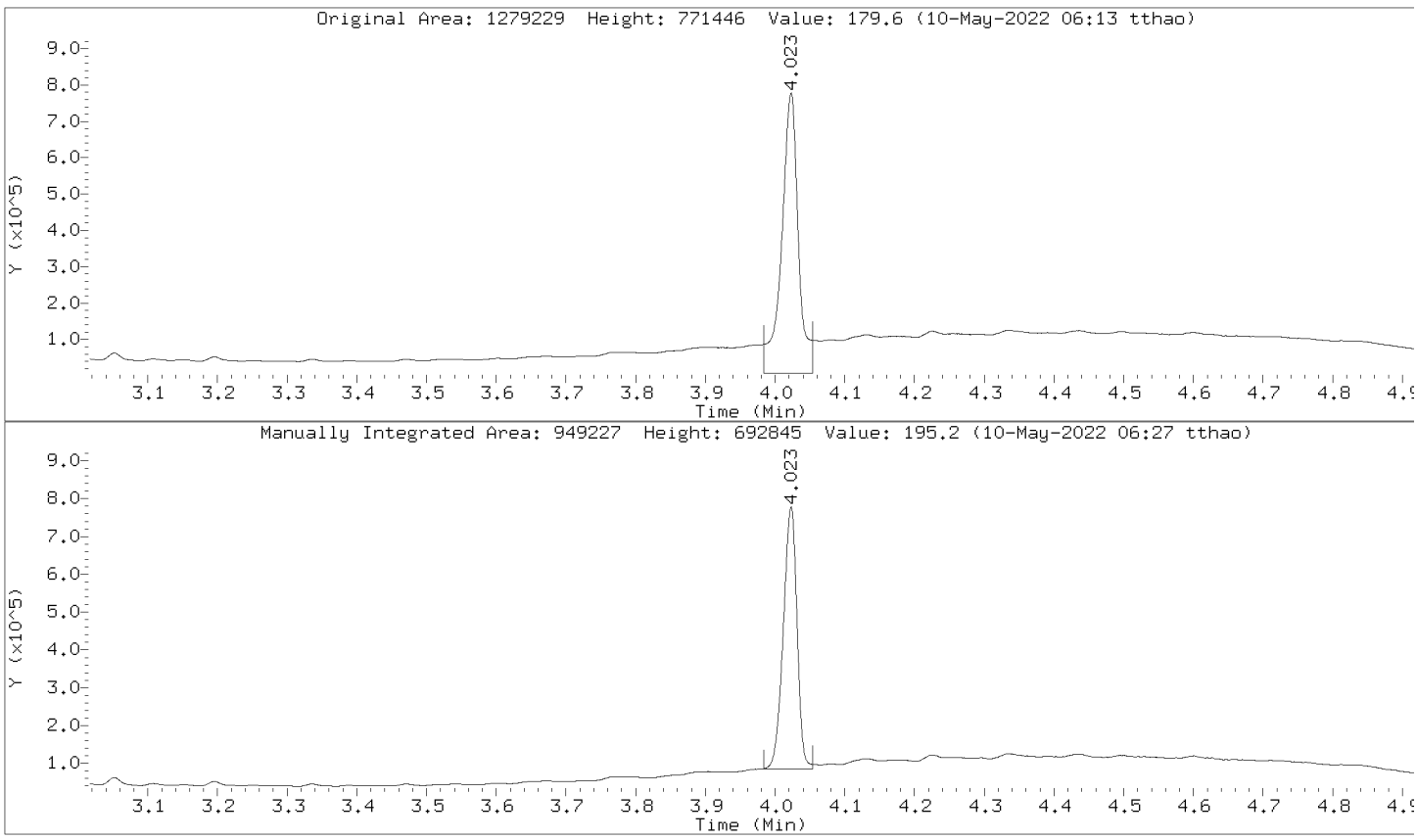
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



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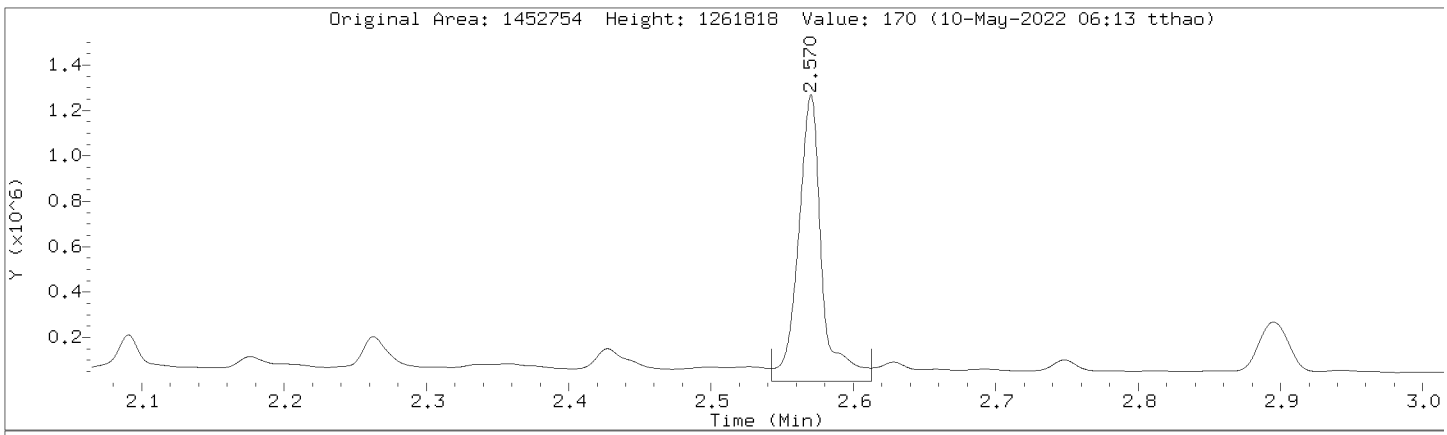
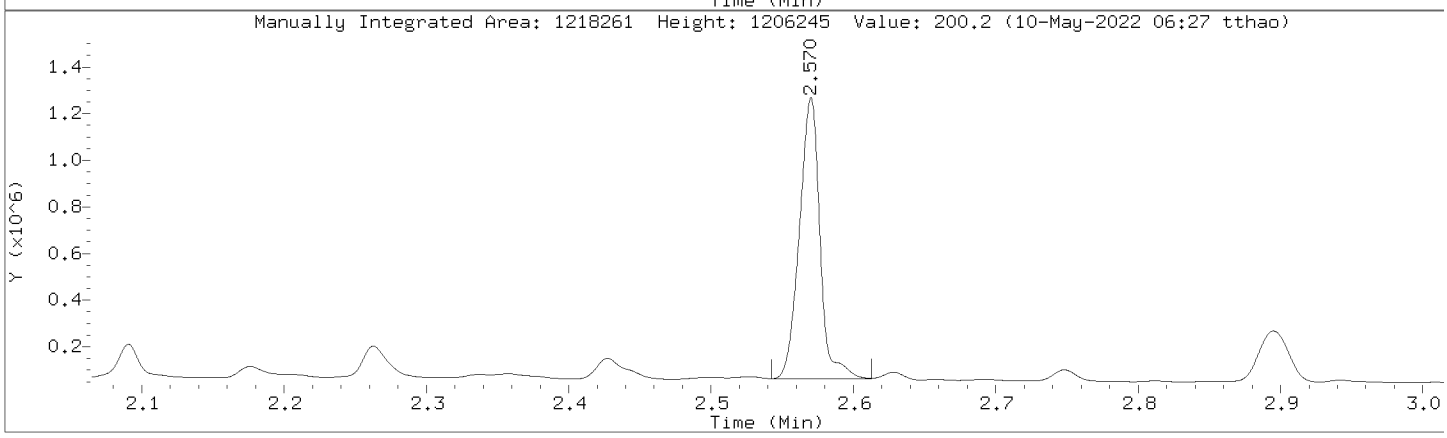
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:





Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	6584732	6584732
DRO by AK 102	10708209	10708209
TPH-DRO (C10-C28)	12324573	12324573
Motor Oil Range (C24-C36)	6862239	6862239
Diesel Fuel Range	8970491	8970491
Motor Oil Range	8005827	8005827
Diesel Fuel Range SG	8970491	8970491
Motor Oil Range SG	8005827	8005827
C10-C36	17292941	17292941
n-Triacontane (S)	1279229	949227
o-Terphenyl (S)	1452754	1218261

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000033.D
Lab Smp Id: DMO-CAL10,364988:2 Client Smp ID: DMO-CAL10,364988:2
Inj Date : 09-MAY-2022 17:04
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal10,364988:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 12 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		20961677	4000.00	3990	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.576	2.565	0.011	2430969	400.000	399	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.030	4.017	0.013	1891444	400.000	389	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		12872009	4000.00	3990	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		24147947	4000.00	3990	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		13410309	4000.00	3990	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		33833686	8000.00	7980	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		17540429	4000.00	3990	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		17540429	4000.00	3990	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		15615349	4000.00	3980	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		15615349	4000.00	3980	(M)	RNG

QC Flag Legend

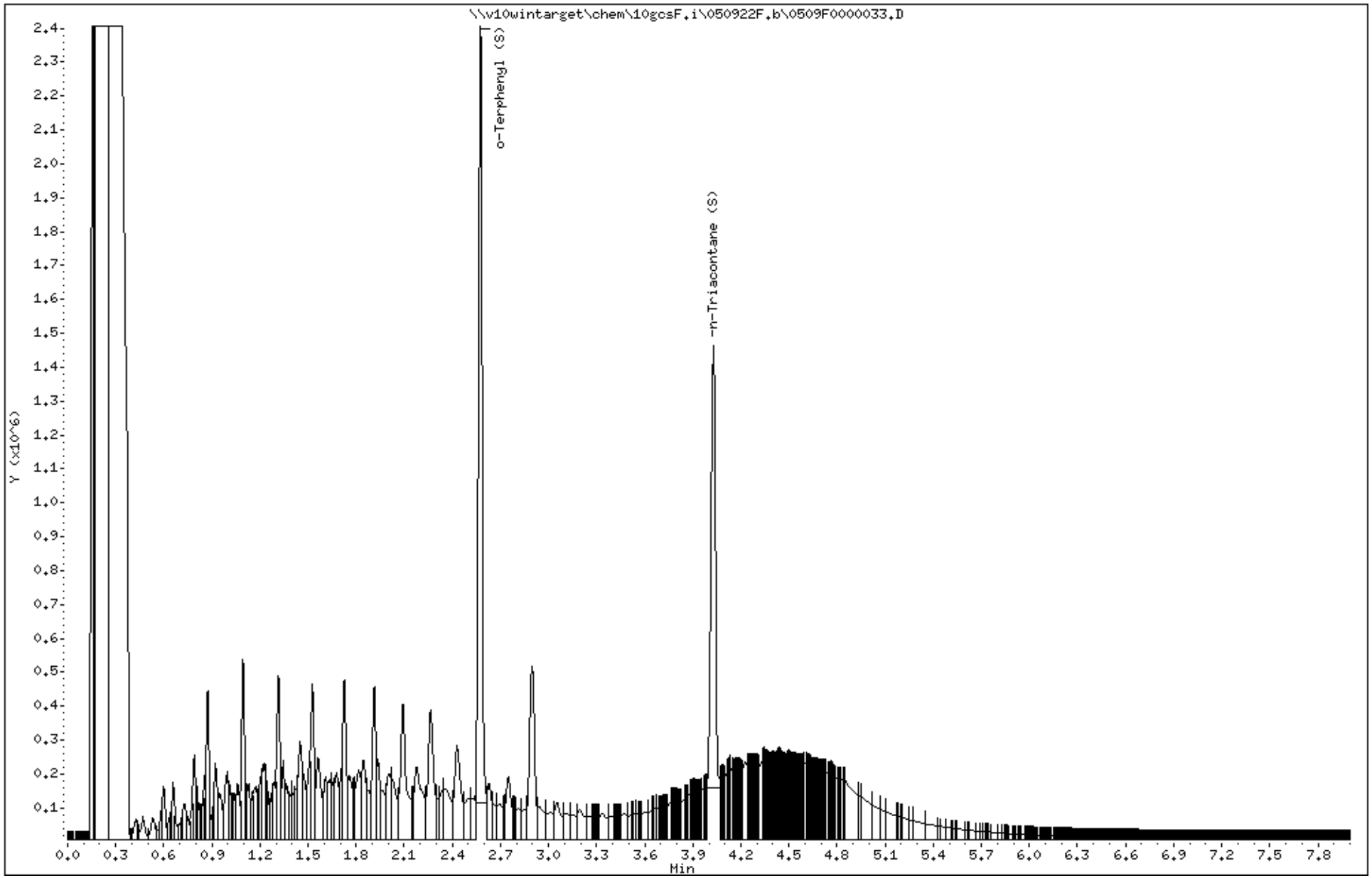
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000033.D
Date : 09-MAY-2022 17:04
Client ID: DMO-CAL10,364988:2
Sample Info: DMO-CAL10,364988:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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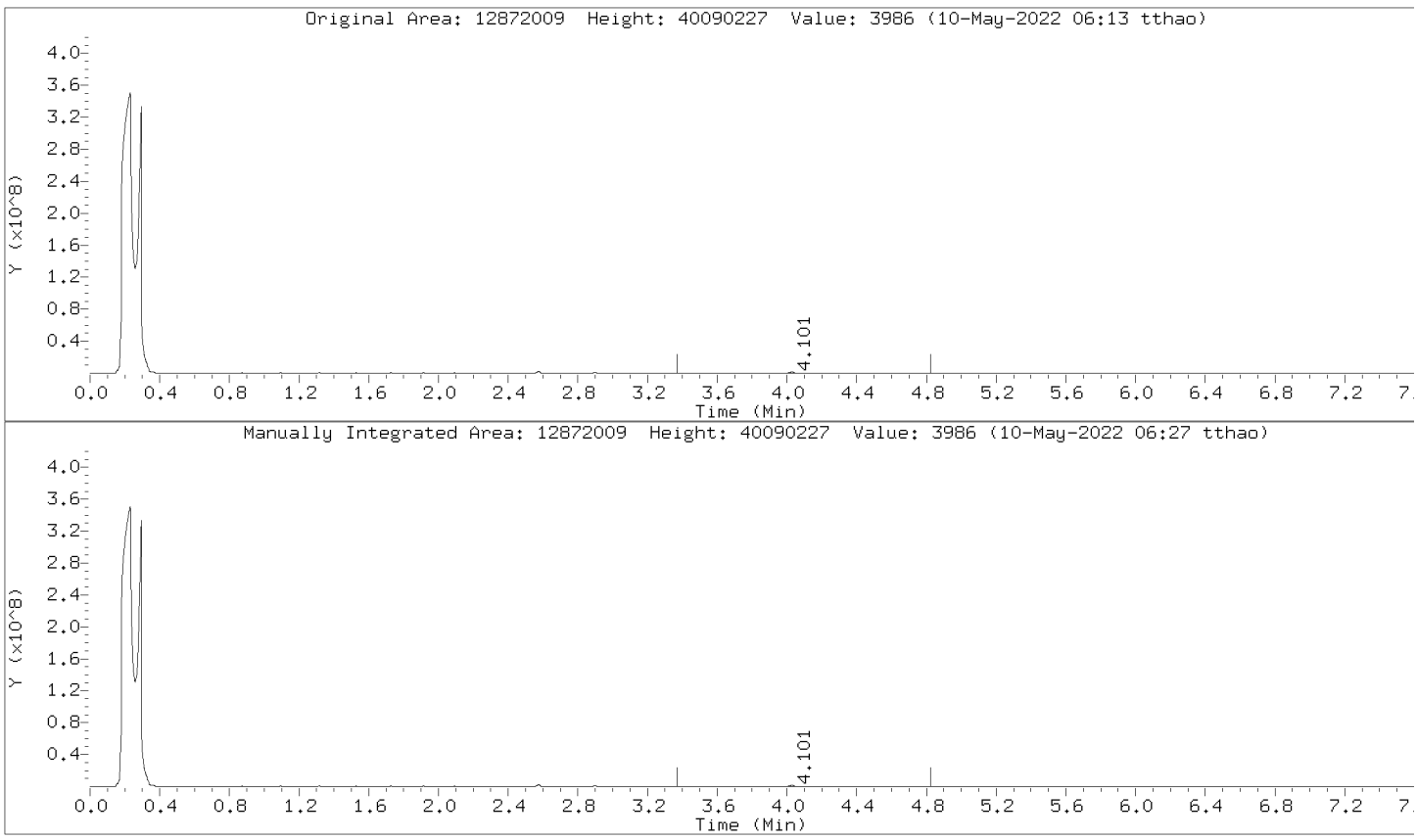
137 of 653
10606563

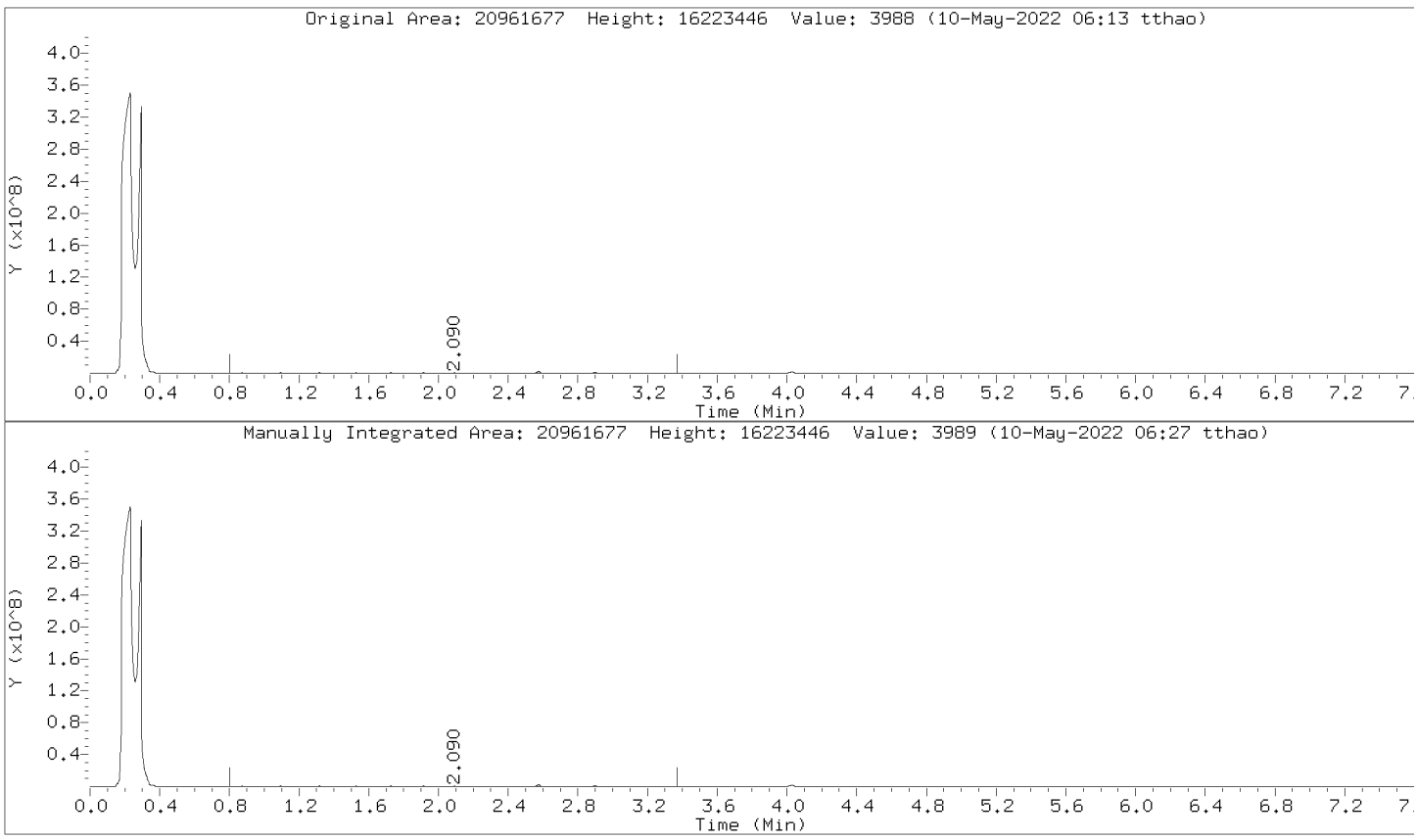
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



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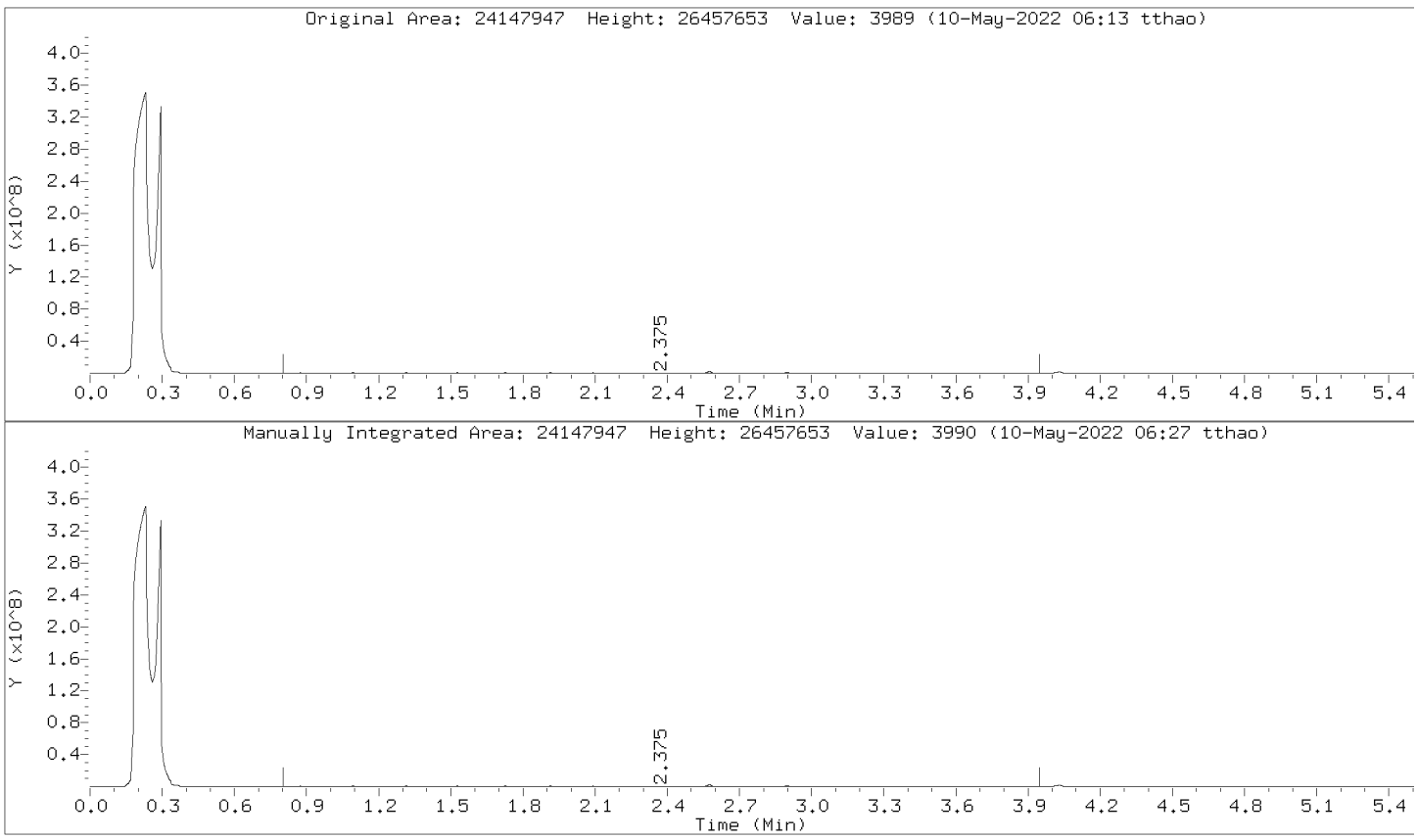
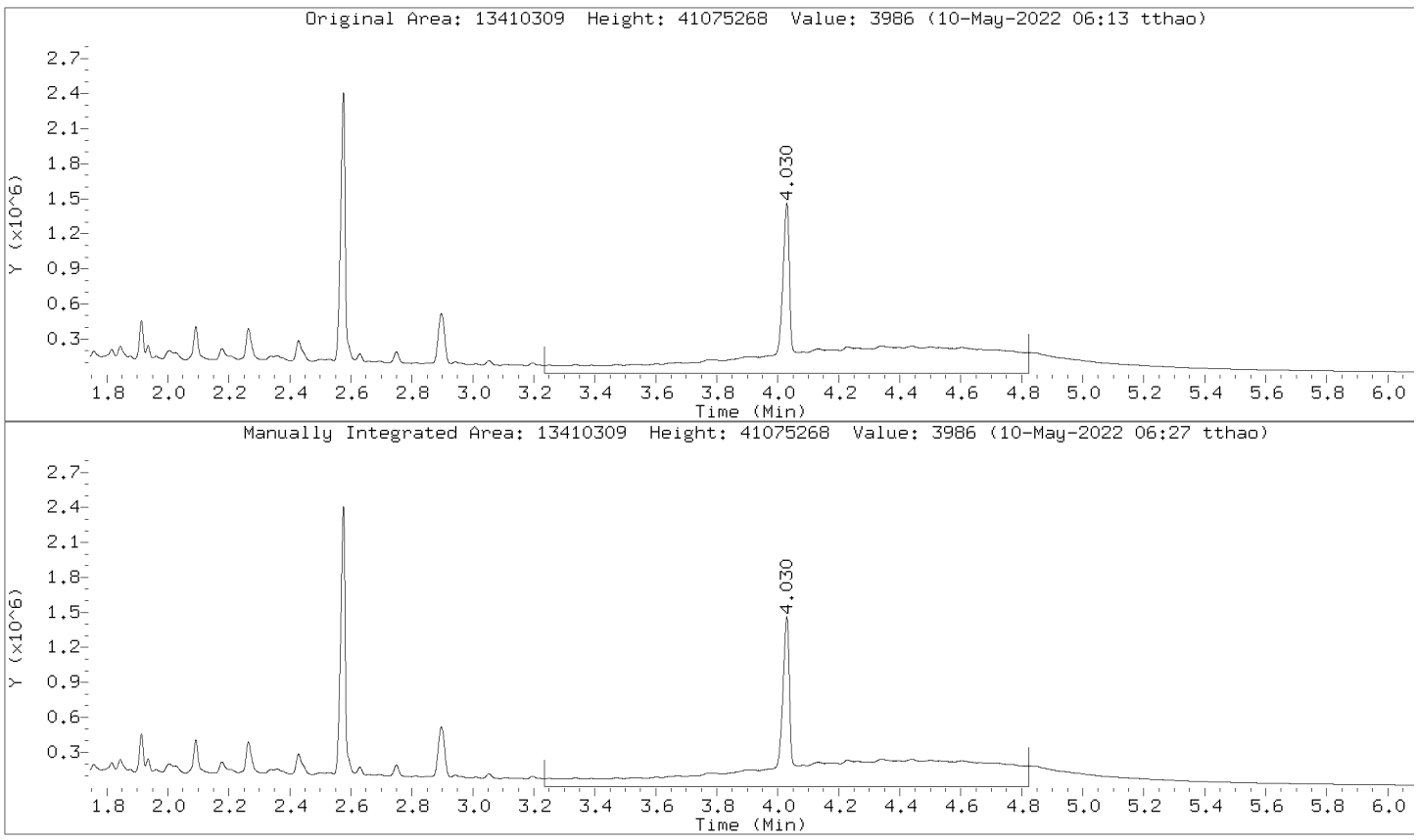
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



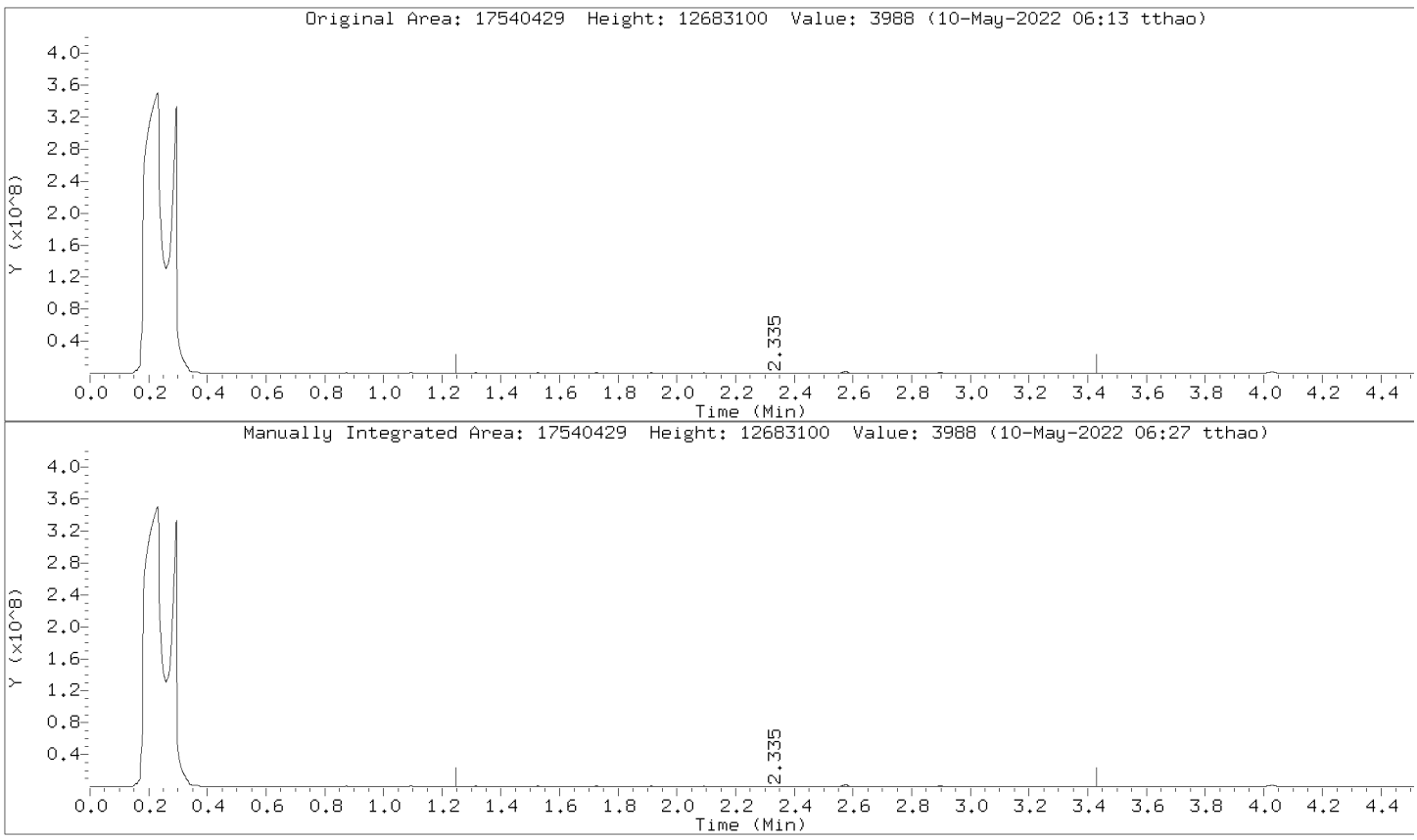
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



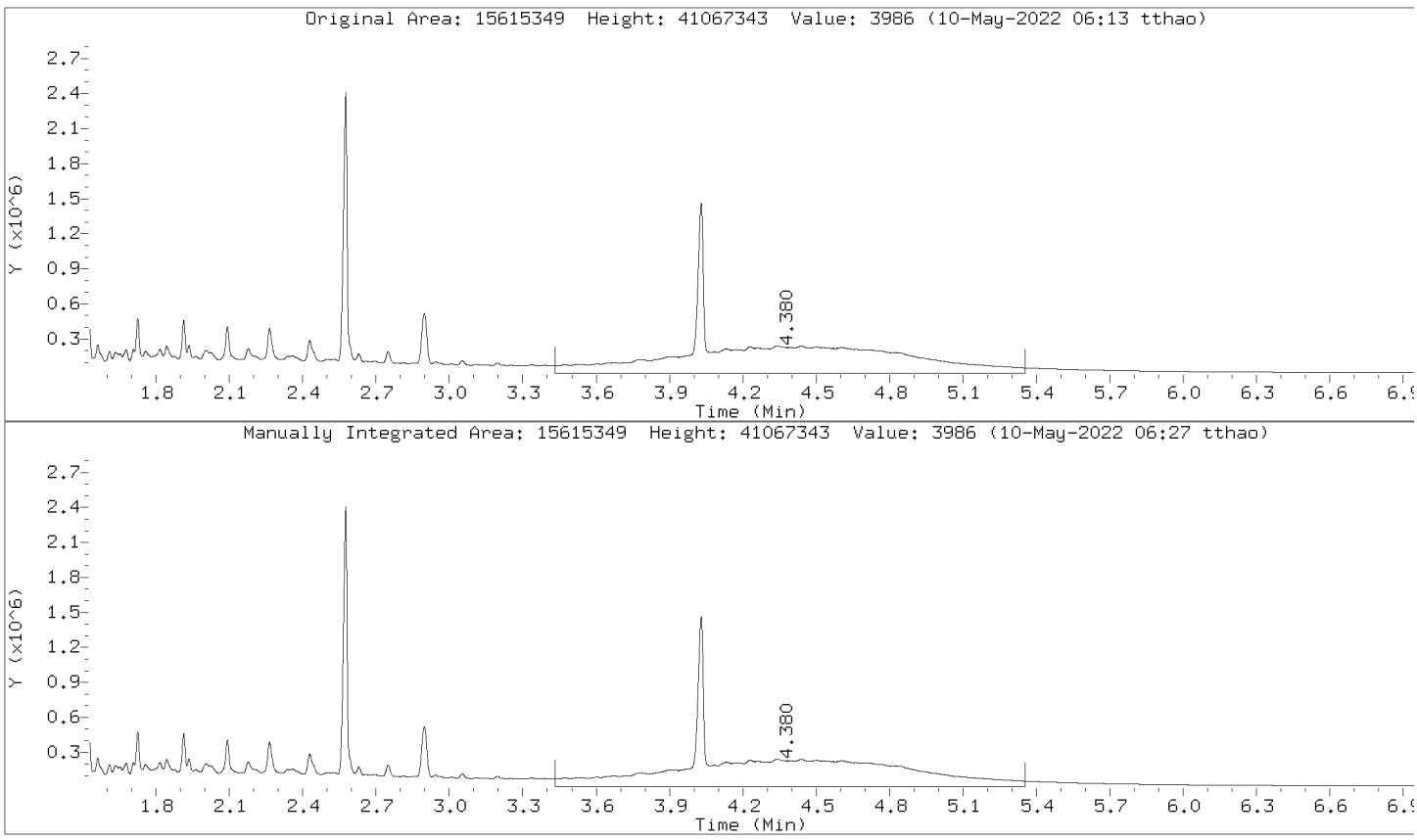
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



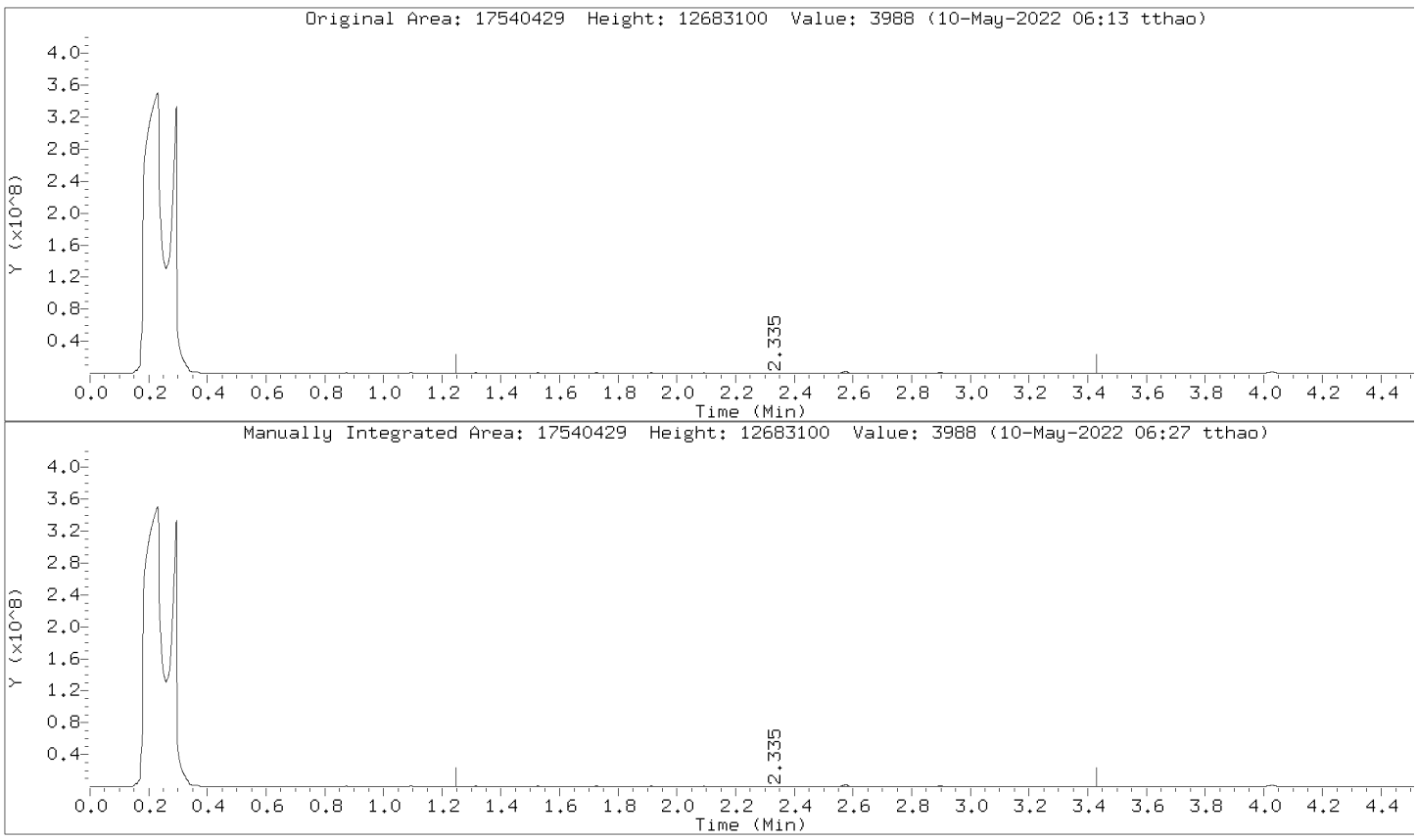
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



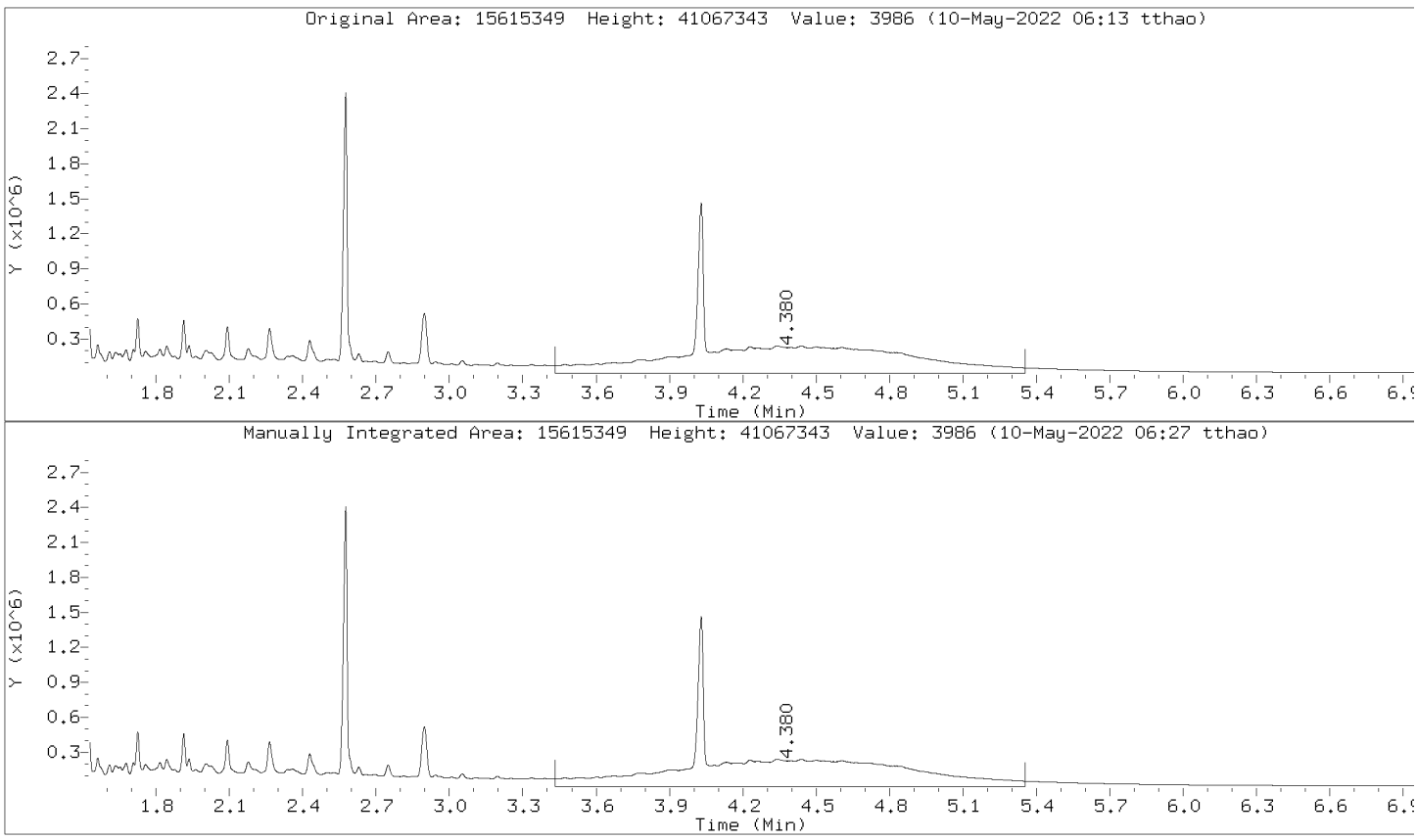
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



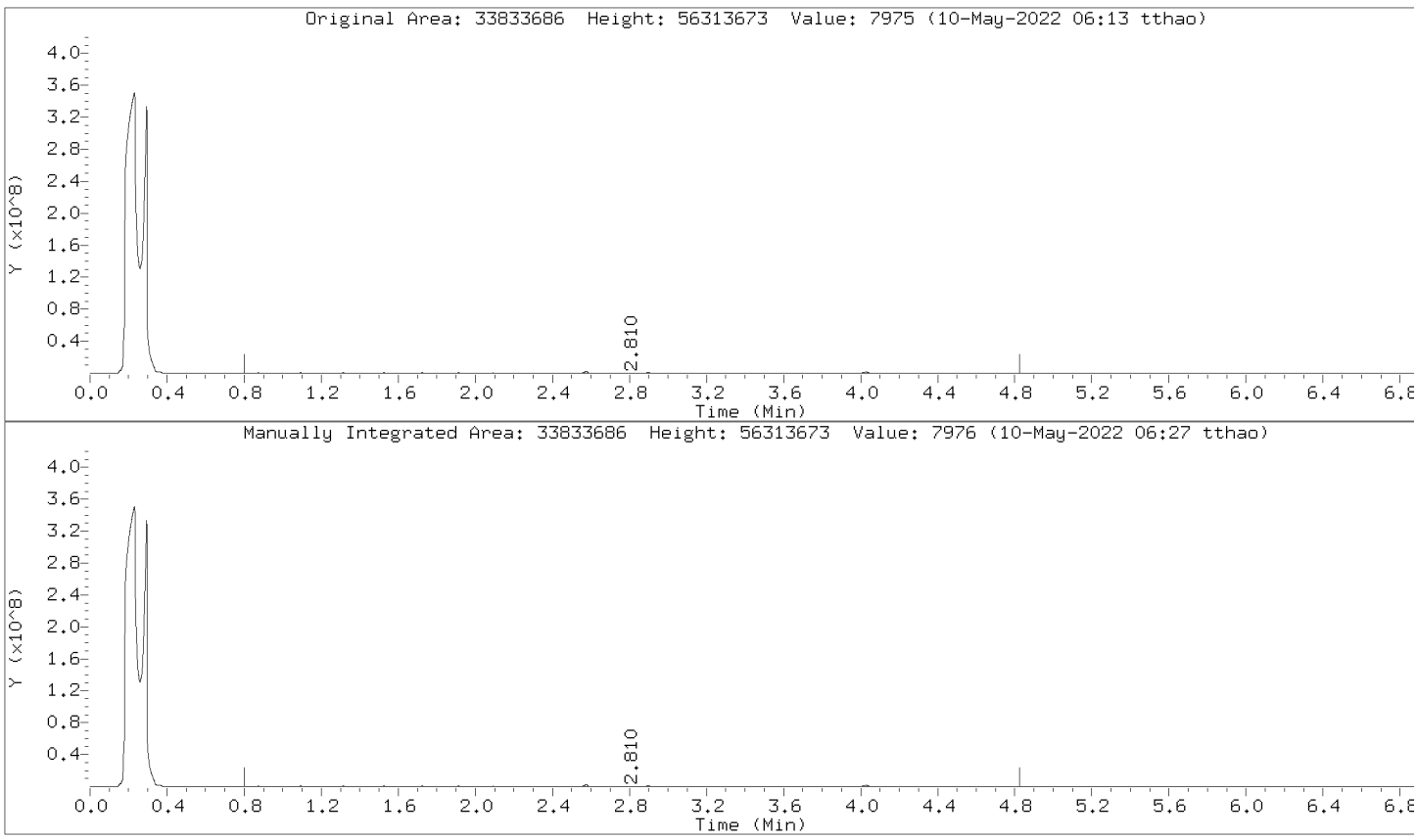
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



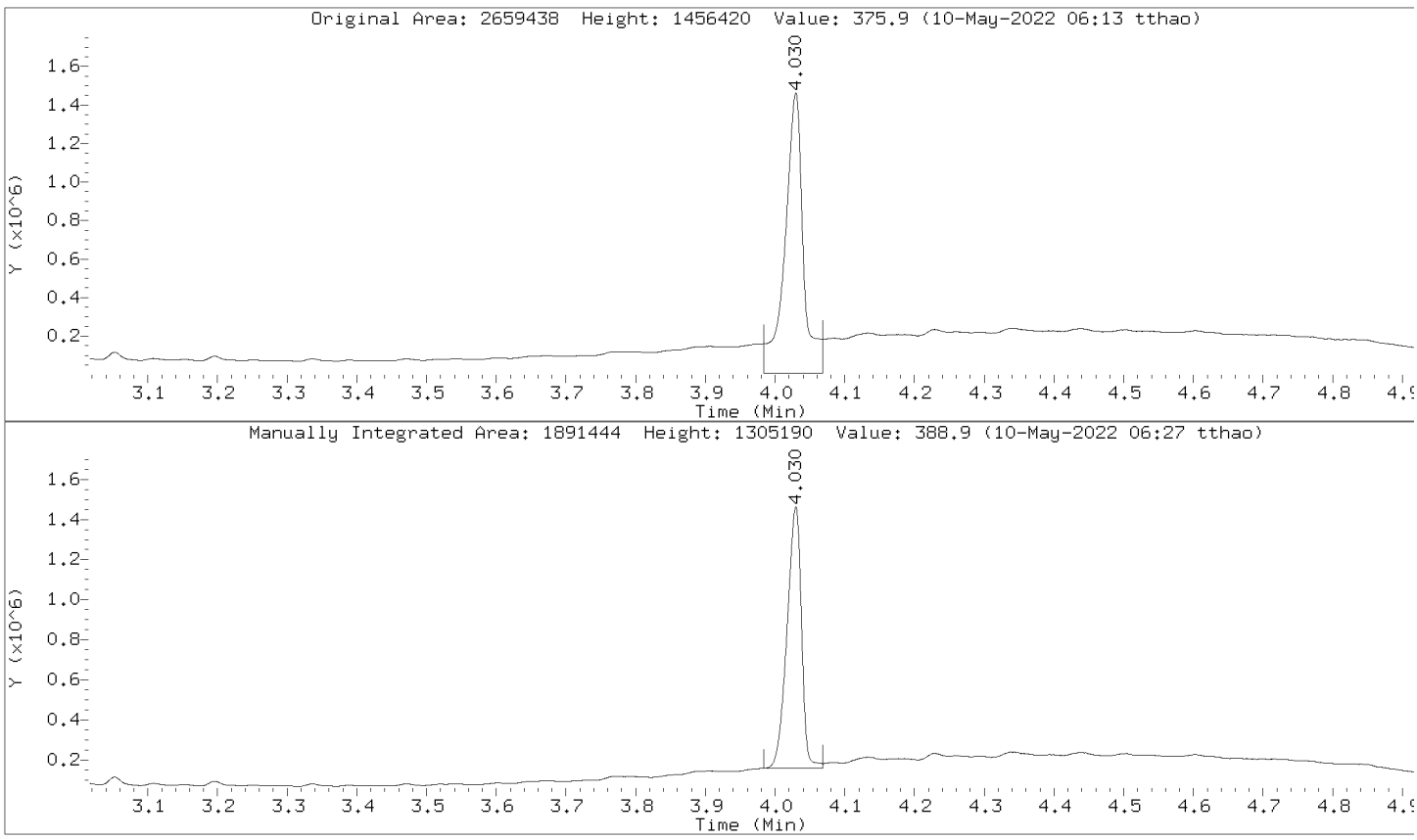
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: C10-C36 Review Code: RNG
CAS Number:



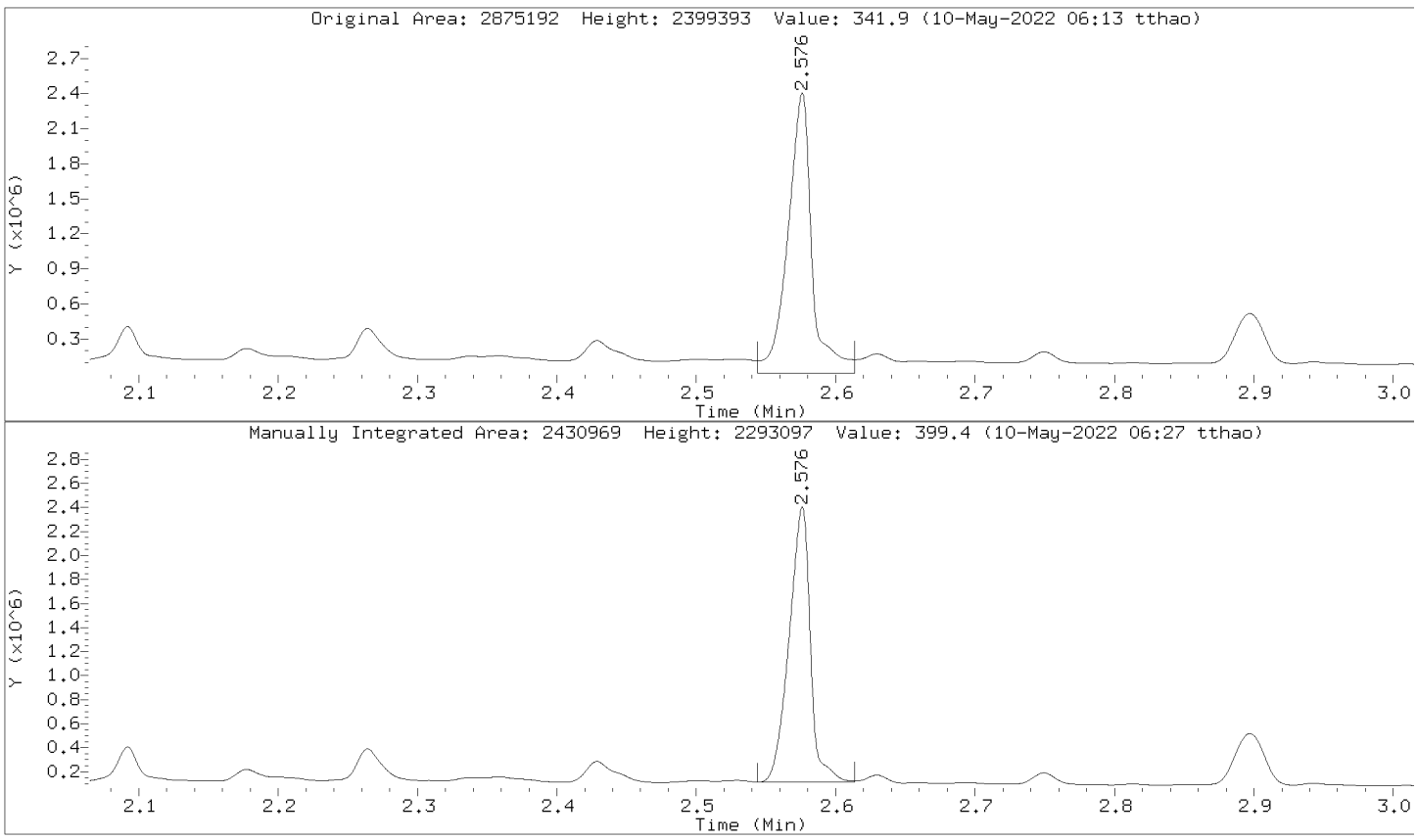
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	12872009	12872009
DRO by AK 102	20961677	20961677
TPH-DRO (C10-C28)	24147947	24147947
Motor Oil Range (C24-C36)	13410309	13410309
Diesel Fuel Range	17540429	17540429
Motor Oil Range	15615349	15615349
Diesel Fuel Range SG	17540429	17540429
Motor Oil Range SG	15615349	15615349
C10-C36	33833686	33833686
n-Triacontane (S)	2659438	1891444
o-Terphenyl (S)	2875192	2430969

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000036.D
Lab Smp Id: PBLK,363301:2 Client Smp ID: PBLK,363301:2
Inj Date : 09-MAY-2022 17:39
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : pblk,363301:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10SVOA-TT

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800 - 3.380			255294			(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.564	2.565	-0.001	281232	46.2124	46.2	(RM)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.016	4.017	-0.001	232021	47.7100	47.7	(RM)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381 - 4.820			80663			(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800 - 3.950			288169			(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240 - 4.820			90995			(M)	RNG
S 7 C10-C36					CAS #:		
0.800 - 4.820			335957			(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240 - 3.430			231816			(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240 - 3.430			231816			(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431 - 5.330			106438			(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431 - 5.330			106438			(M)	RNG

QC Flag Legend

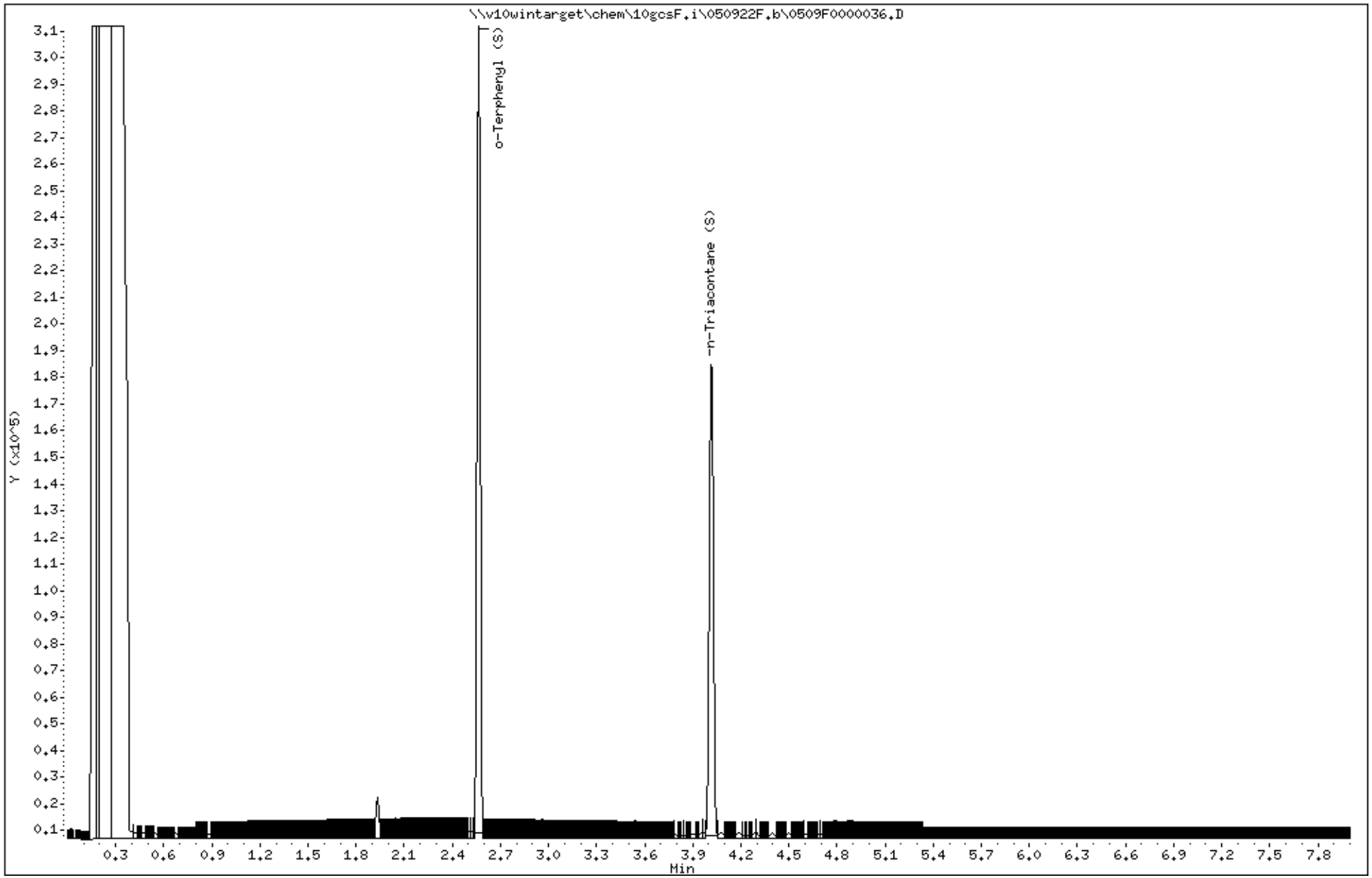
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000036.D
Date : 09-MAY-2022 17:39
Client ID: PBLK,363301:2
Sample Info: PBLK,363301:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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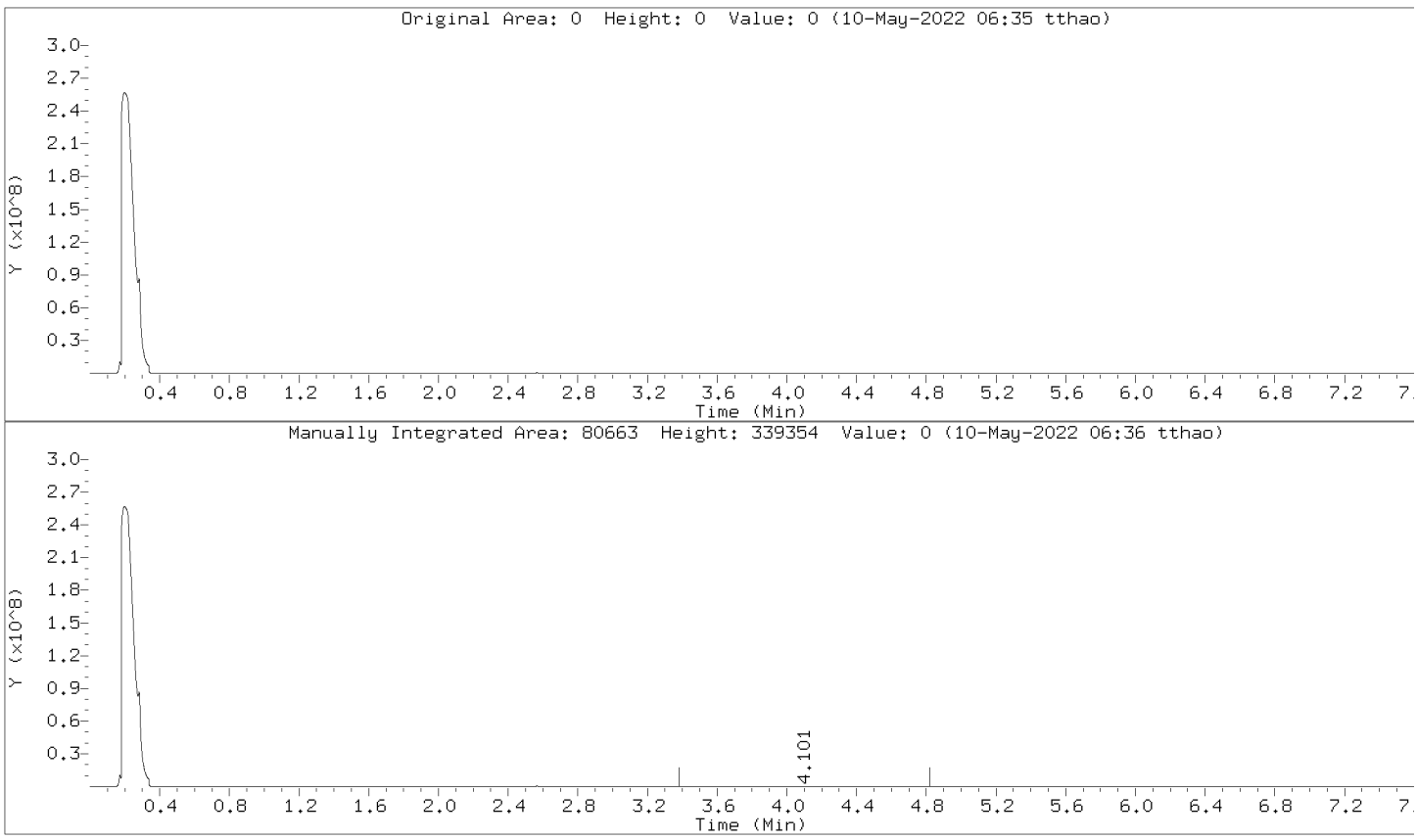
151 of 653
10606563

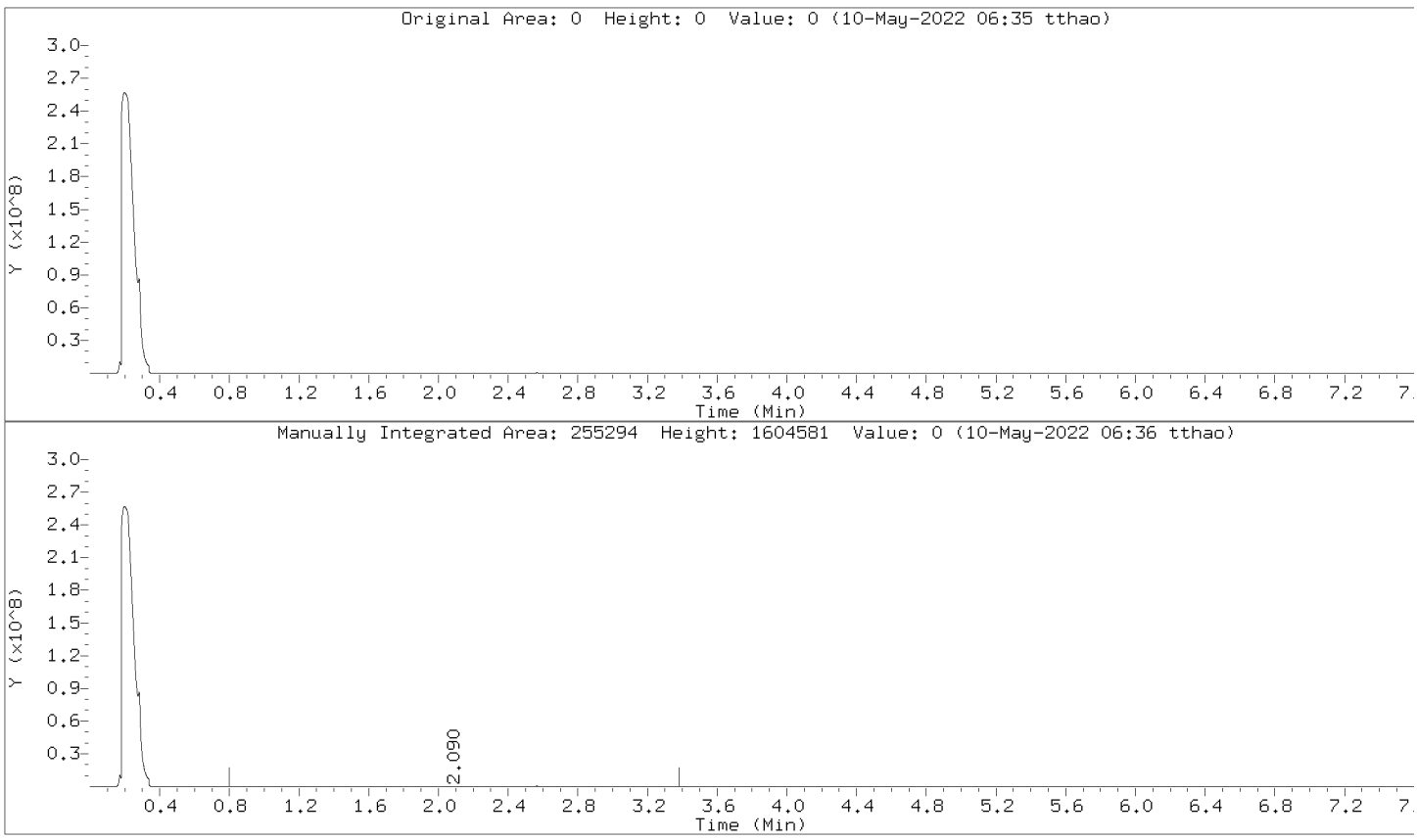
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



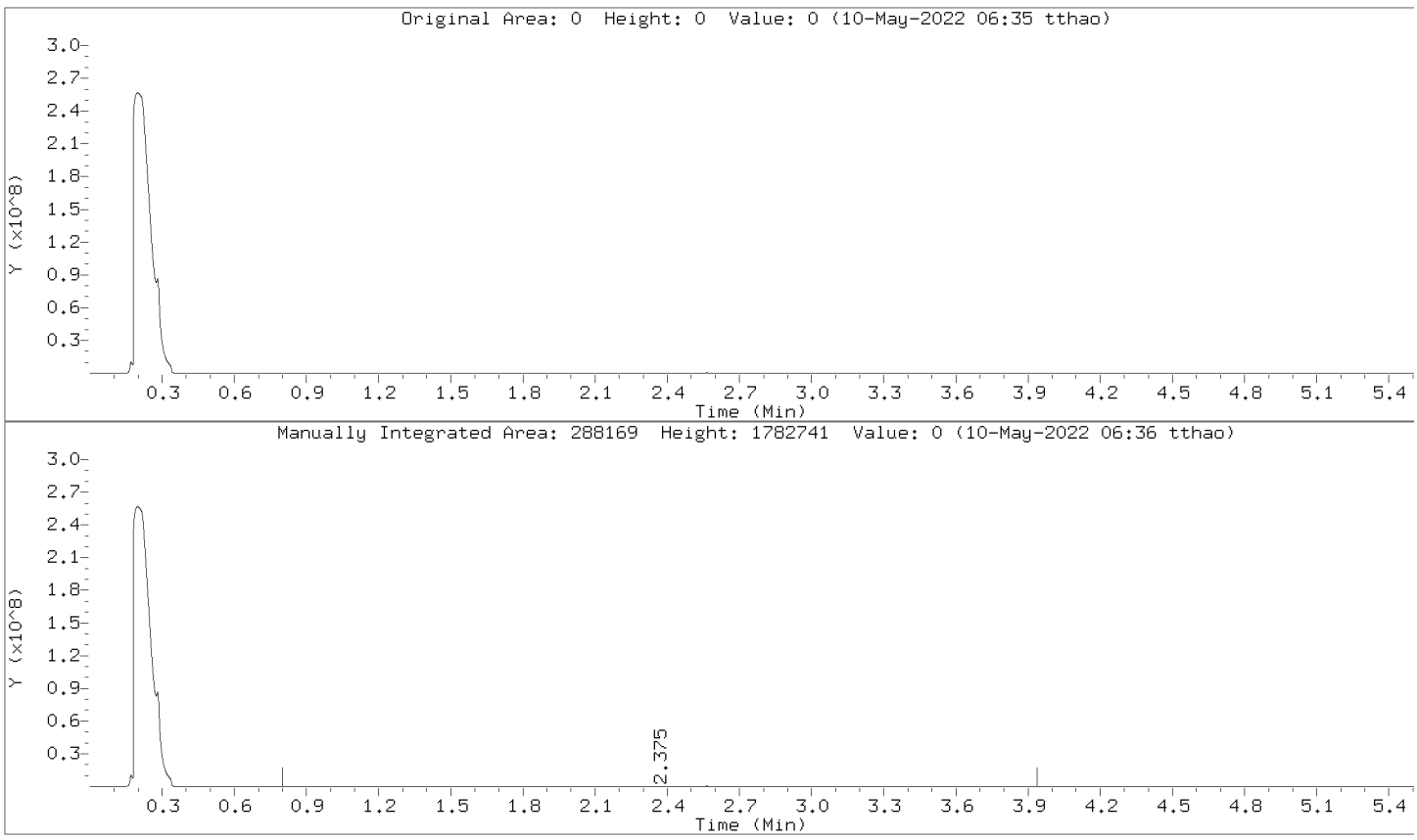
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



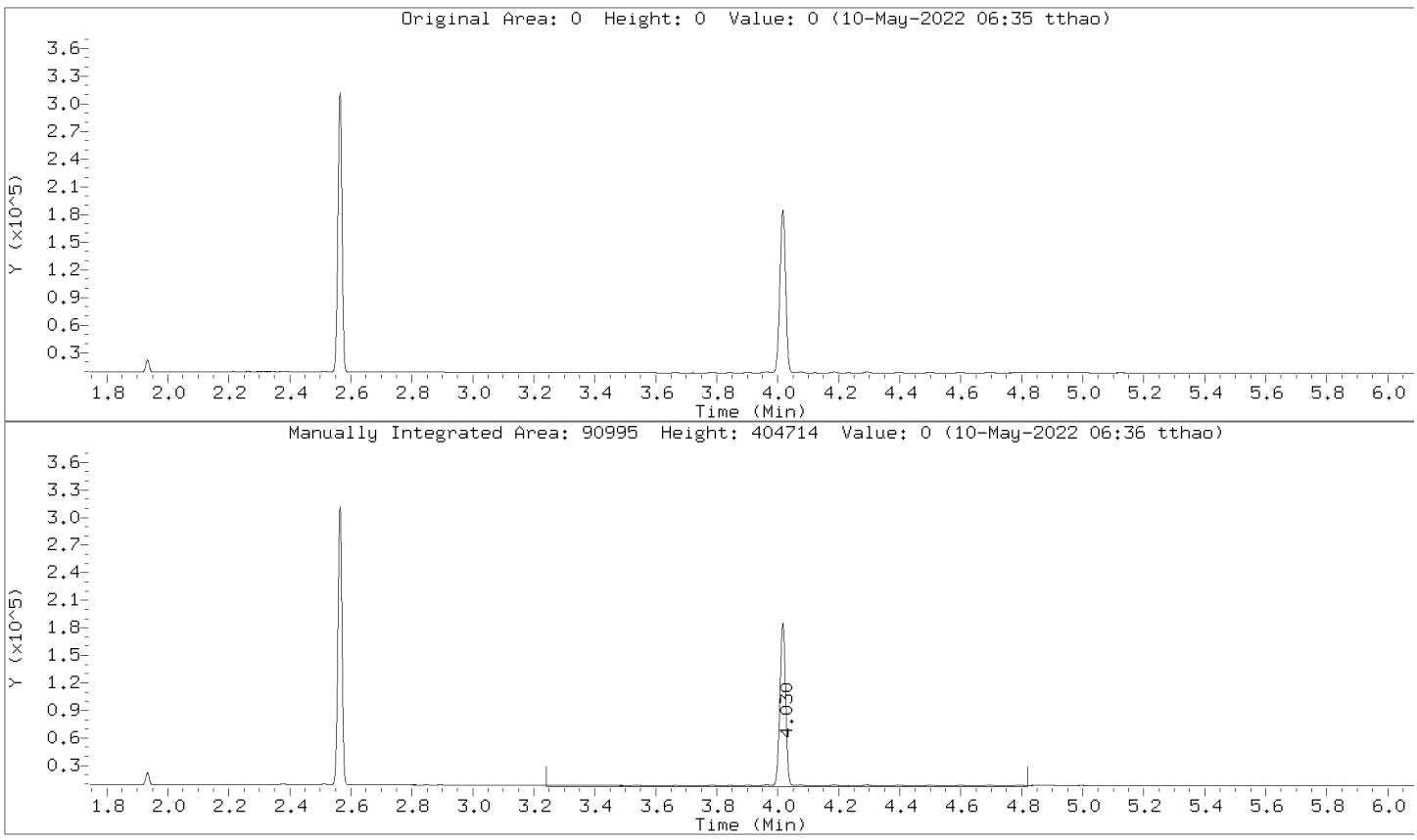
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



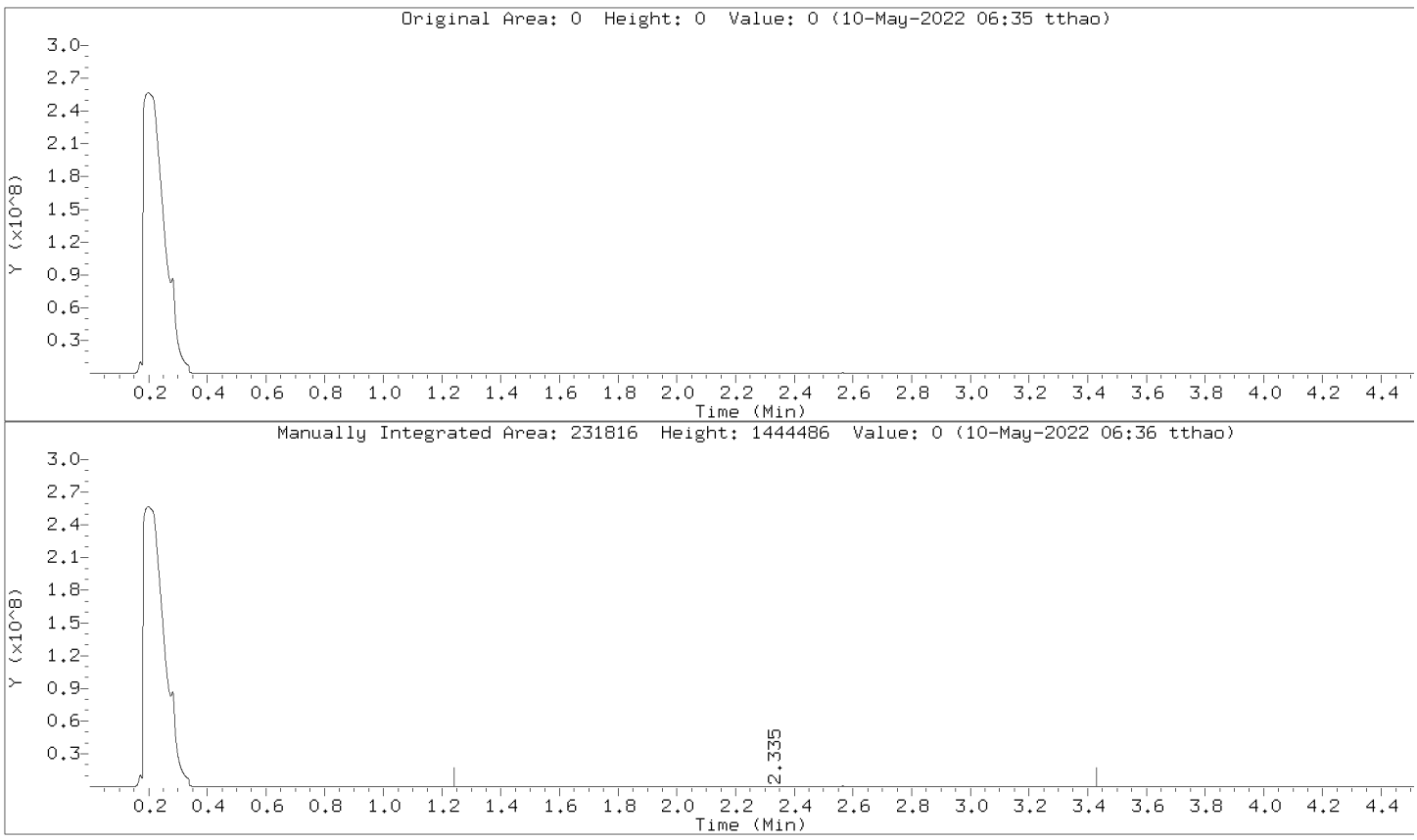
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



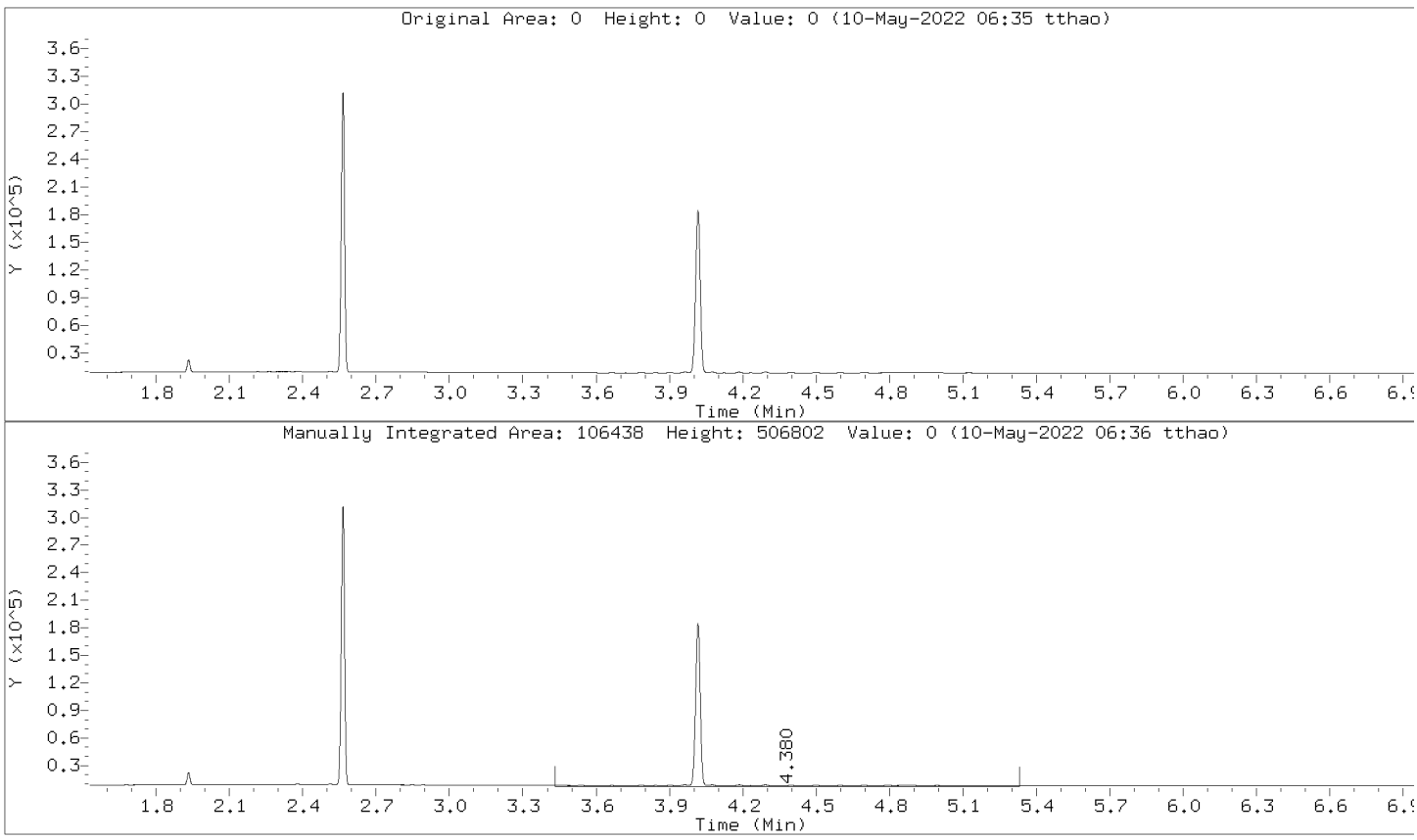
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



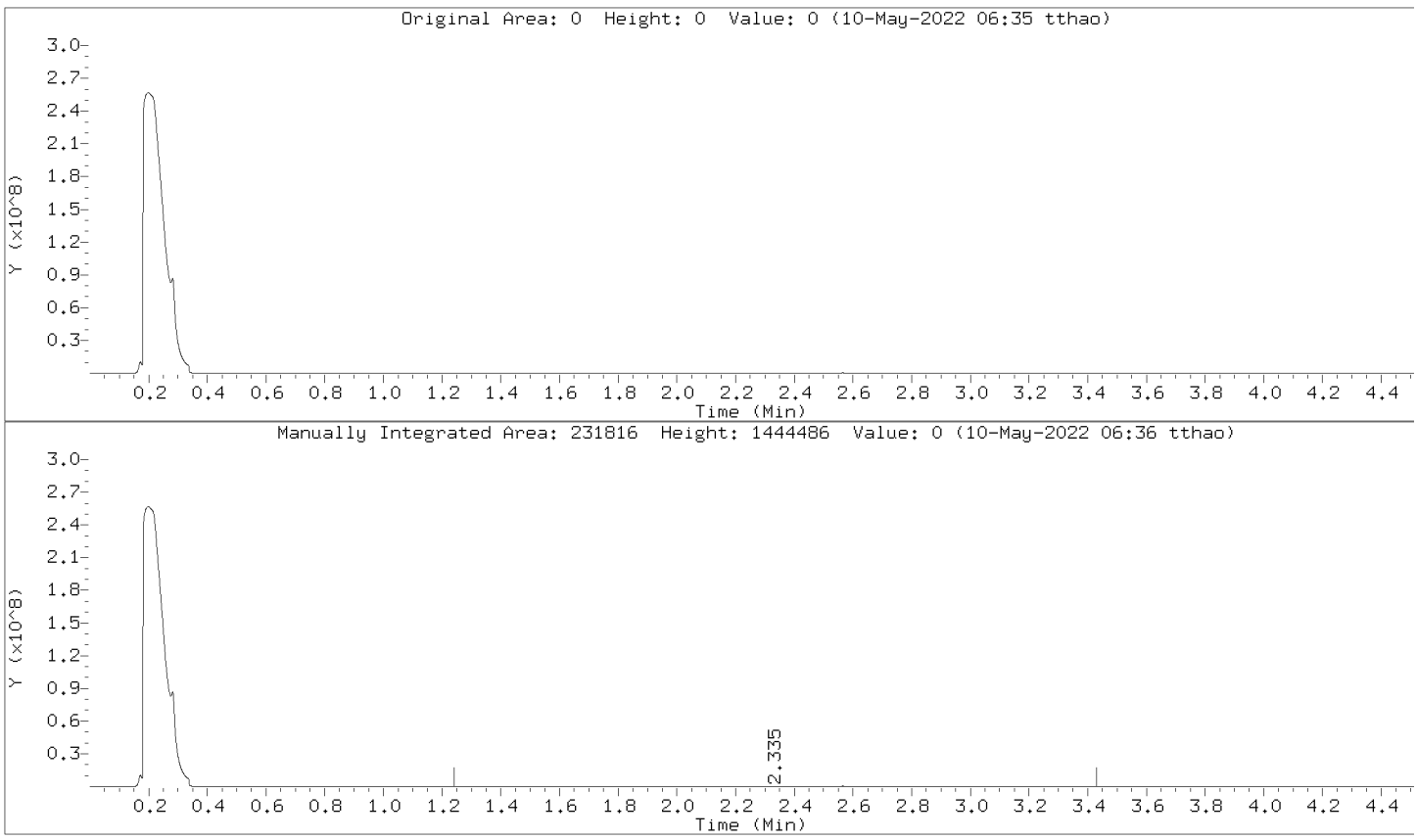
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



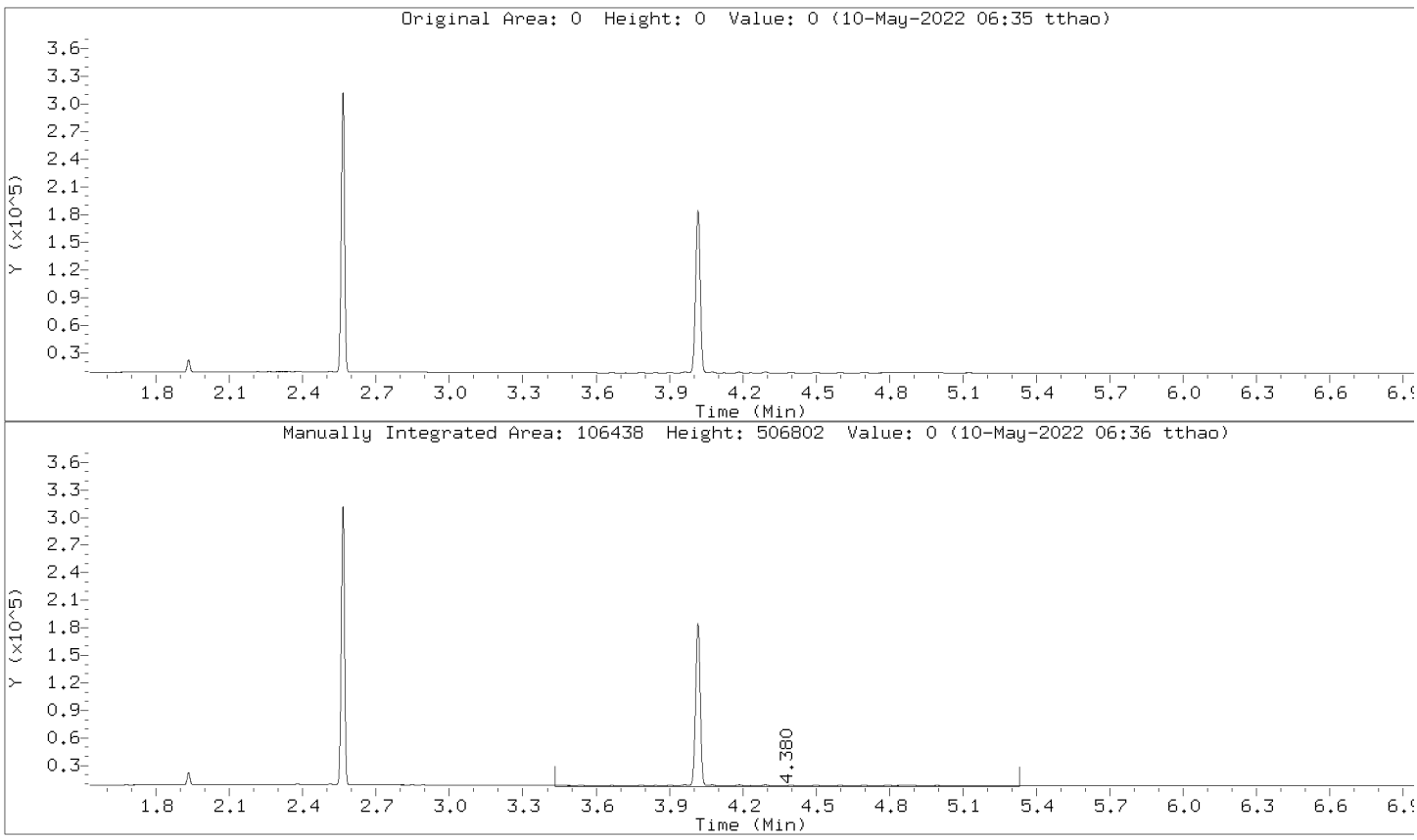
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



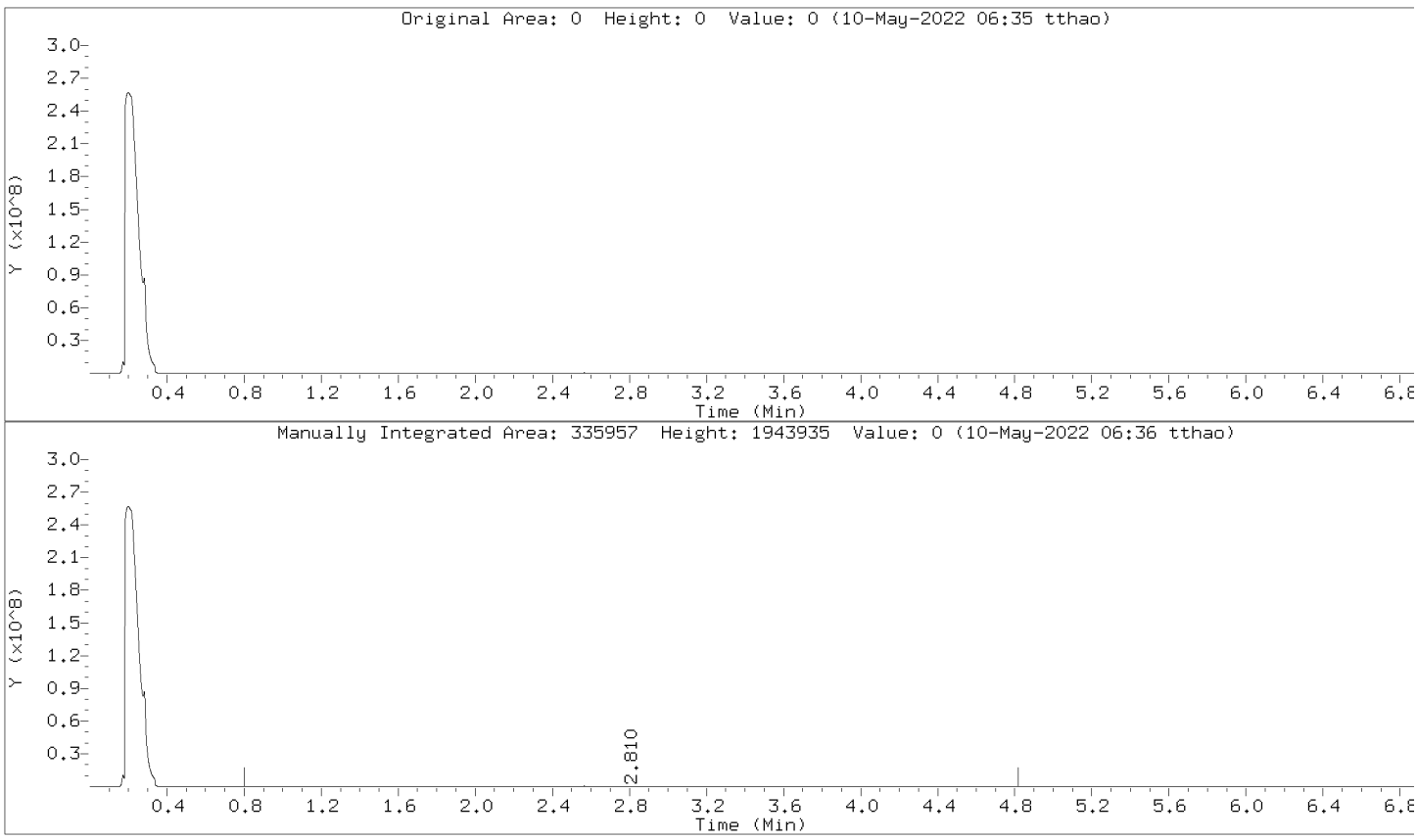
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: C10-C36 Review Code: RNG
CAS Number:



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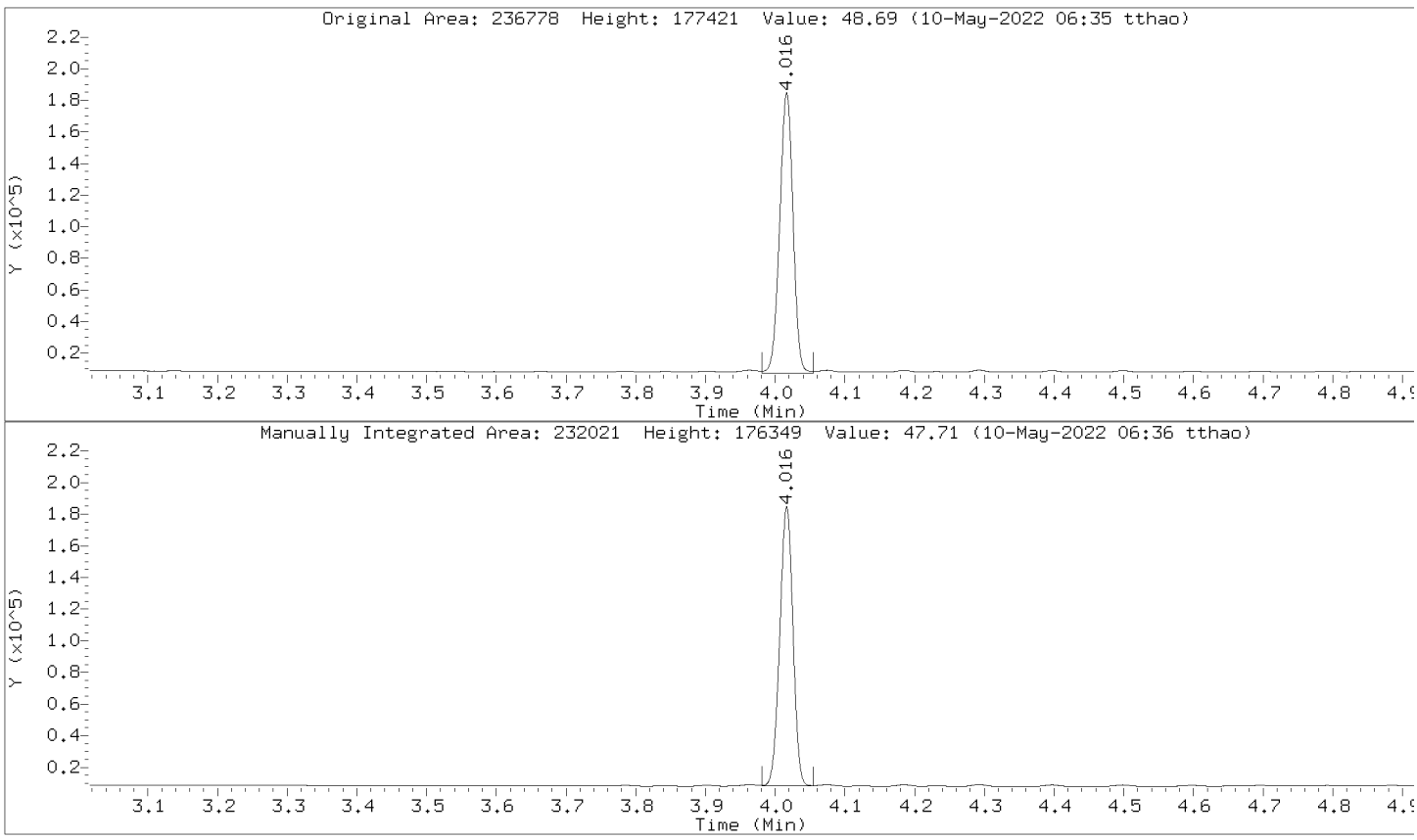
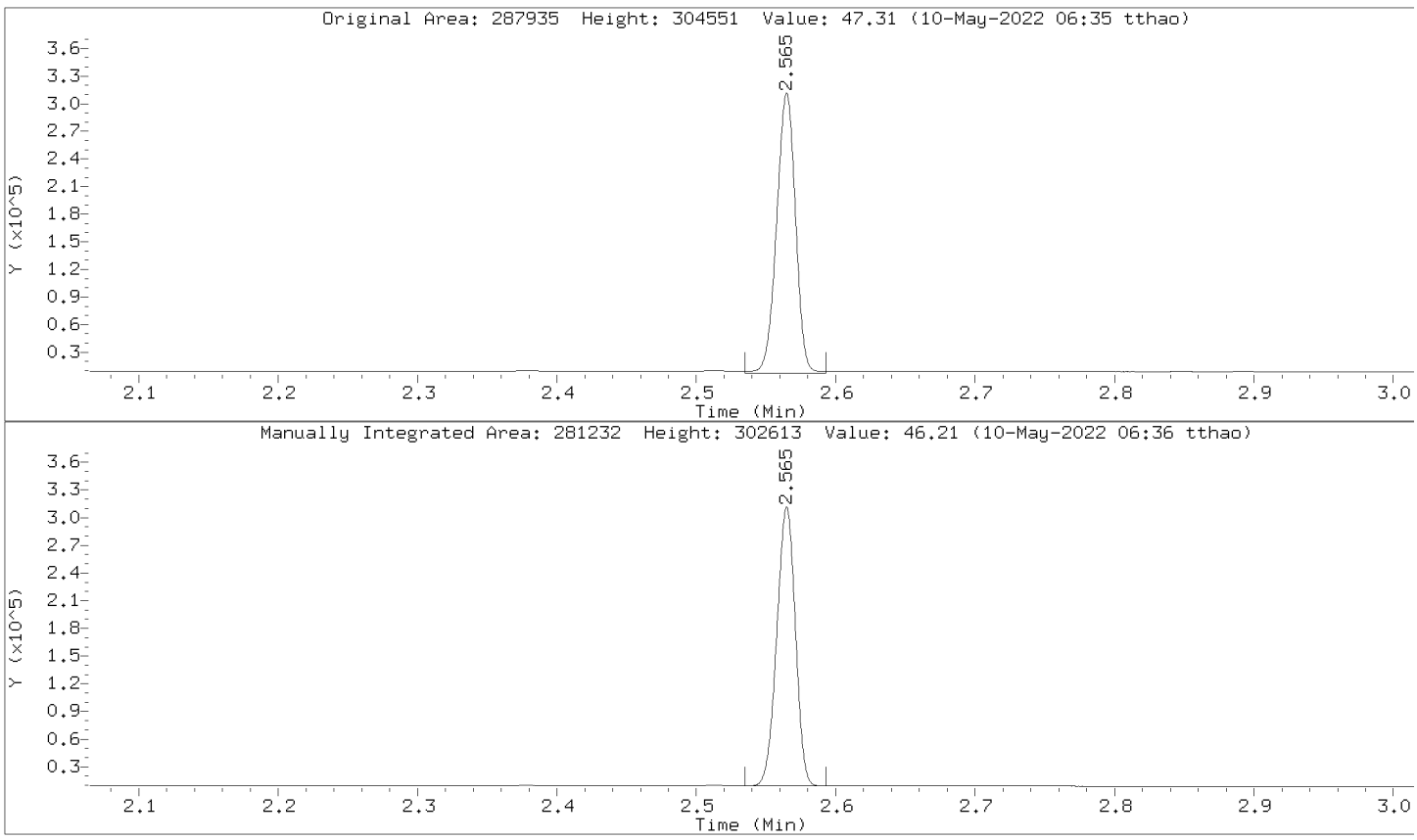
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000036.D
Injection Date: 09-MAY-2022 17:39
Instrument: 10gcsF.i
Lab Sample ID: PBLK,363301:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	0	80663
DRO by AK 102	0	255294
TPH-DRO (C10-C28)	0	288169
Motor Oil Range (C24-C36)	0	90995
Diesel Fuel Range	0	231816
Motor Oil Range	0	106438
Diesel Fuel Range SG	0	231816
Motor Oil Range SG	0	106438
C10-C36	0	335957
n-Triacontane (S)	236778	232021
o-Terphenyl (S)	287935	281232

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000003.D
Lab Smp Id: DMO-RTM,365036:2 Client Smp ID: DMO-RTM,365036:2
Inj Date : 11-MAY-2022 13:45
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-rtm,365036:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 11-May-2022 15:29 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

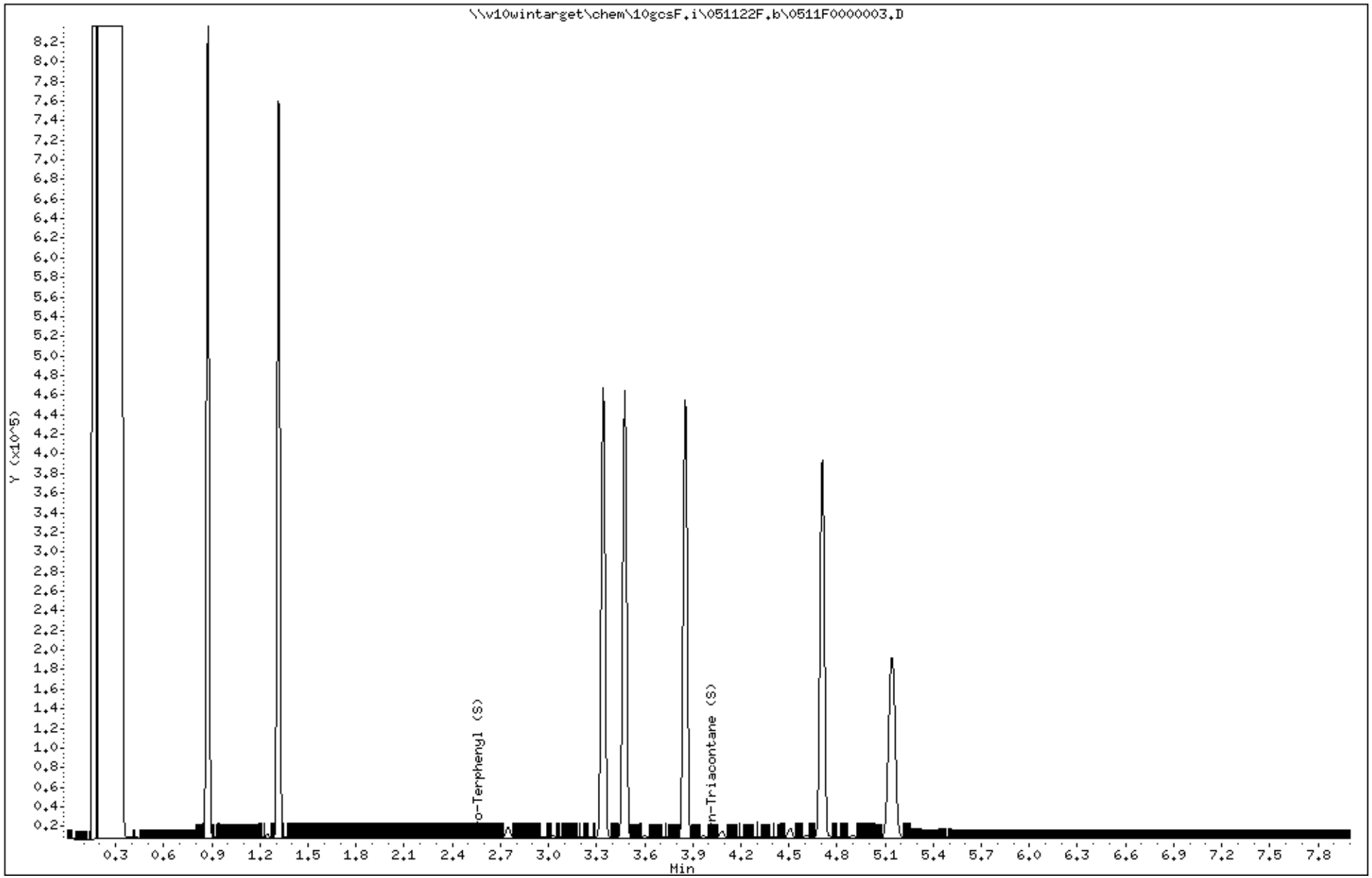
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/mL)	REVIEW CODE	
S 1 DRO by AK 102						CAS #:	
0.800	- 3.385		1959631	321.556	322		
$ 2 o-Terphenyl (S)						CAS #:	
2.565	2.566	-0.001	356	0.05850	0.0585		(R)
$ 3 n-Triacontane (S)						CAS #:	
4.023	4.025	-0.002	166	0.03413	0.0341		(R)
S 4 Residual Range Organics AK103						CAS #:	
3.386	- 4.800		1839761	544.678	545		
S 5 TPH-DRO (C10-C28)						CAS #:	
0.800	- 3.940		3141832	471.564	472		
S 6 Motor Oil Range (C24-C36)						CAS #:	
3.250	- 4.800		2418140	692.959	693		
S 7 C10-C36						CAS #:	
0.800	- 4.800		3799393	813.676	814		
S 8 Diesel Fuel Range						CAS #:	
1.240	- 3.440		1380903	257.922	258		
S 9 Diesel Fuel Range SG						CAS #:	
1.240	- 3.440		1380903	257.922	258		
S 10 Motor Oil Range						CAS #:	
3.441	- 5.260		2320387	567.183	567		
S 11 Motor Oil Range SG						CAS #:	
3.441	- 5.260		2320387	567.559	568		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000003.D
Date : 11-MAY-2022 13:45
Client ID: DMO-RTM,365036:2
Sample Info: DMO-RTM,365036:2

Instrument: 10gcsF.i
Operator: EB3
Column phase: DB-5-US21390001
Column diameter: 0.32



192 of 1139
165 of 653
10606563

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000003.D
Injection Date: 11-MAY-2022 13:45
Instrument: 10gcsF.i
Lab Sample ID: DMO-RTM,365036:2
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1839761	1839761
DRO by AK 102	1959631	1959631
TPH-DRO (C10-C28)	3141832	3141832
Motor Oil Range (C24-C36)	2418518	2418140
Diesel Fuel Range	1380445	1380903
Motor Oil Range	2324491	2320387
Diesel Fuel Range SG	1380445	1380903
Motor Oil Range SG	2324491	2320387
C10-C36	3799393	3799393
n-Triacontane (S)	166	166
o-Terphenyl (S)	356	356

SAMPLE NO.

29929189ICV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Calibration Date: 05/09/2022 Time: 17:27

Instrument ID: 10GCSF GC Column: FID Init. Calib. Date(s): 05/09/2022 05/09/2022

Lab File ID: 050922F.B\0509F0000035.D Init. Calib. Time(s): 15:19 17:04

SDG No.: 10606563

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	521.2485	0.0100	4.2497	15.0000
Motor Oil Range	Linear	500	509.6966	0.0100	1.9393	15.0000
n-Triacontane (S)	Averaged	4863.151	4934.100	0.0100	1.4589	15.0000
o-Terphenyl (S)	Averaged	6085.641	5925.220	0.0100	-2.6361	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

30016302CCV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Calibration Date: 05/11/2022 Time: 20:44

Instrument ID: 10GCSF GC Column: FID Init. Calib. Date(s): 05/09/2022 05/09/2022

Lab File ID: 051122F.B\0511F0000040.D Init. Calib. Time(s): 15:19 17:04

SDG No.: 10606563

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	516.4115	0.0100	3.2823	15.0000
Motor Oil Range	Linear	500	498.7117	0.0100	-0.2576	15.0000
n-Triacontane (S)	Averaged	4863.151	4871.920	0.0100	0.1803	15.0000
o-Terphenyl (S)	Averaged	6085.641	5950.740	0.0100	-2.2167	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

30016304CCV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Calibration Date: 05/11/2022 Time: 22:03

Instrument ID: 10GCSF GC Column: FID Init. Calib. Date(s): 05/09/2022 05/09/2022

Lab File ID: 051122F.B\0511F0000047.D Init. Calib. Time(s): 15:19 17:04

SDG No.: 10606563

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	519.0962	0.0100	3.8192	15.0000
Motor Oil Range	Linear	500	493.0107	0.0100	-1.3979	15.0000
n-Triacontane (S)	Averaged	4863.151	4930.680	0.0100	1.3886	15.0000
o-Terphenyl (S)	Averaged	6085.641	6005.140	0.0100	-1.3228	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000035.D
Lab Smp Id: DMO-ICV,365117:2 Client Smp ID: DMO-ICV,365117:2
Inj Date : 09-MAY-2022 17:27
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-icv,365117:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 13 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10SVOA-TT

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		2988000	500.000	520	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.565	2.565	0.000	296261	50.0000	48.7	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.017	4.017	0.000	246705	50.0000	50.7	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		1737328	500.000	513	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		3425790	500.000	519	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		1817086	500.000	513	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		4725328	1000.00	1030	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		2521516	500.000	521	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		2521516	500.000	521	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		2096826	500.000	510	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		2096826	500.000	510	(M)	RNG

QC Flag Legend

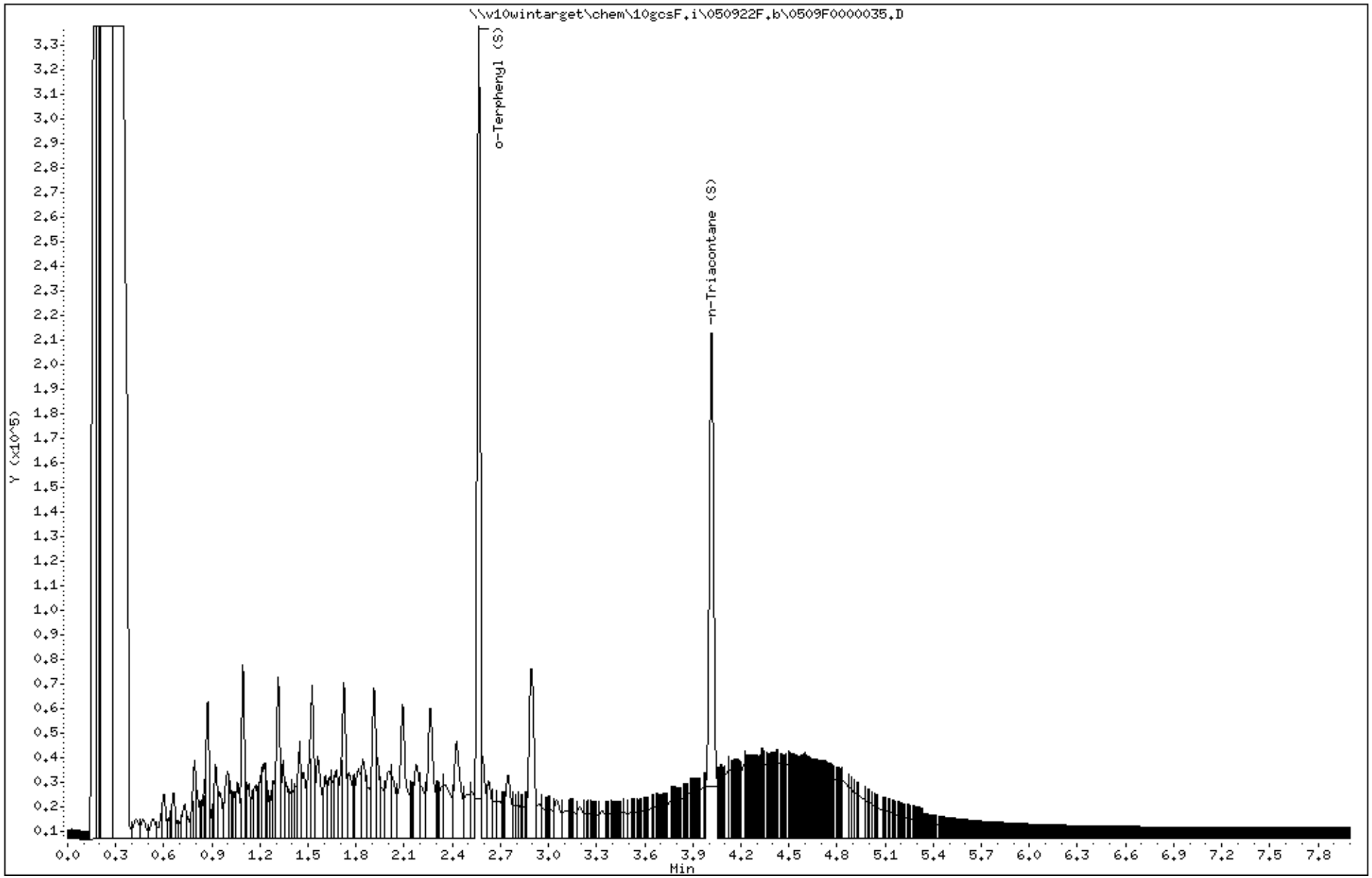
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000035.D
Date : 09-MAY-2022 17:27
Client ID: DMO-ICV,365117:2
Sample Info: DMO-ICV,365117:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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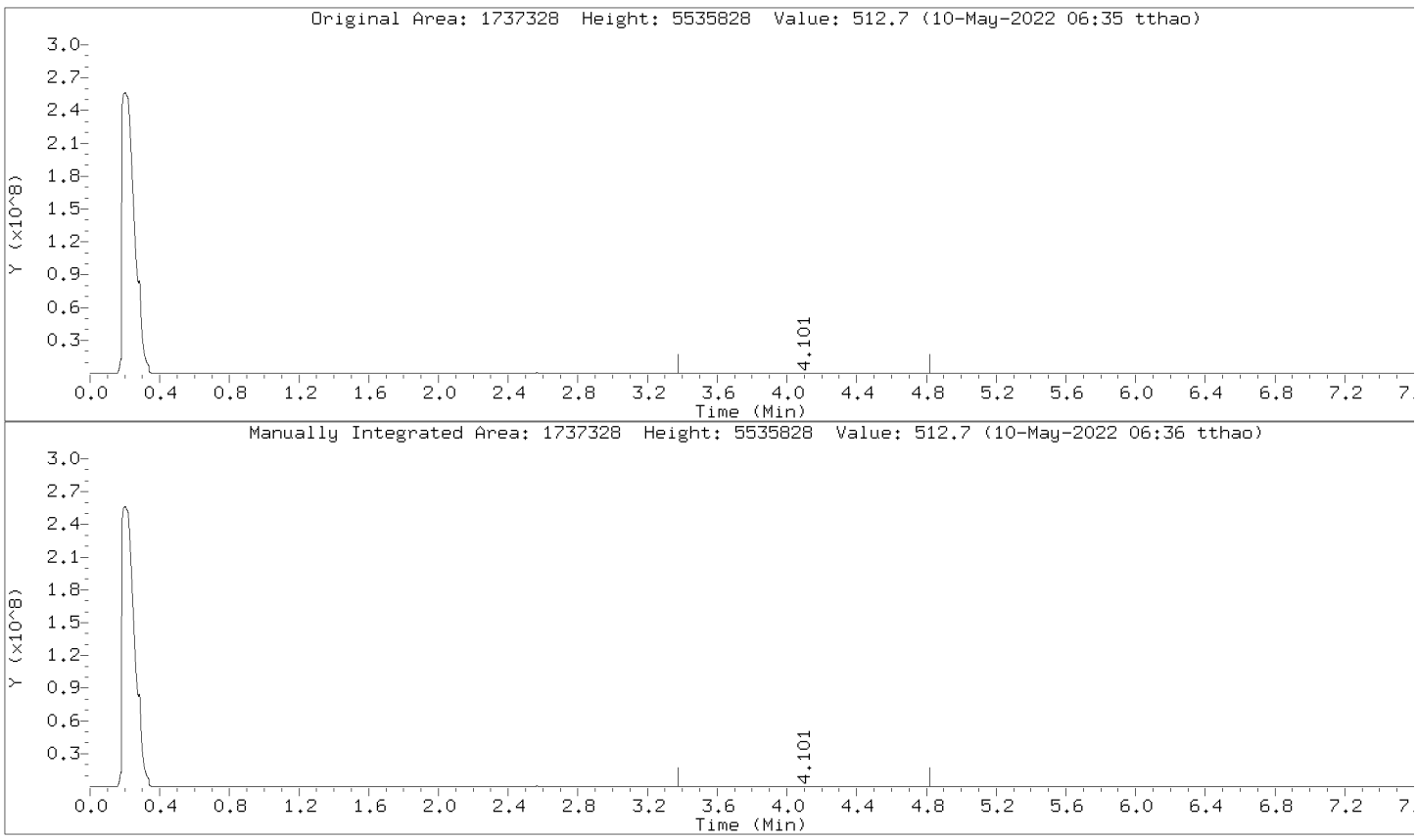
172 of 653
10606563

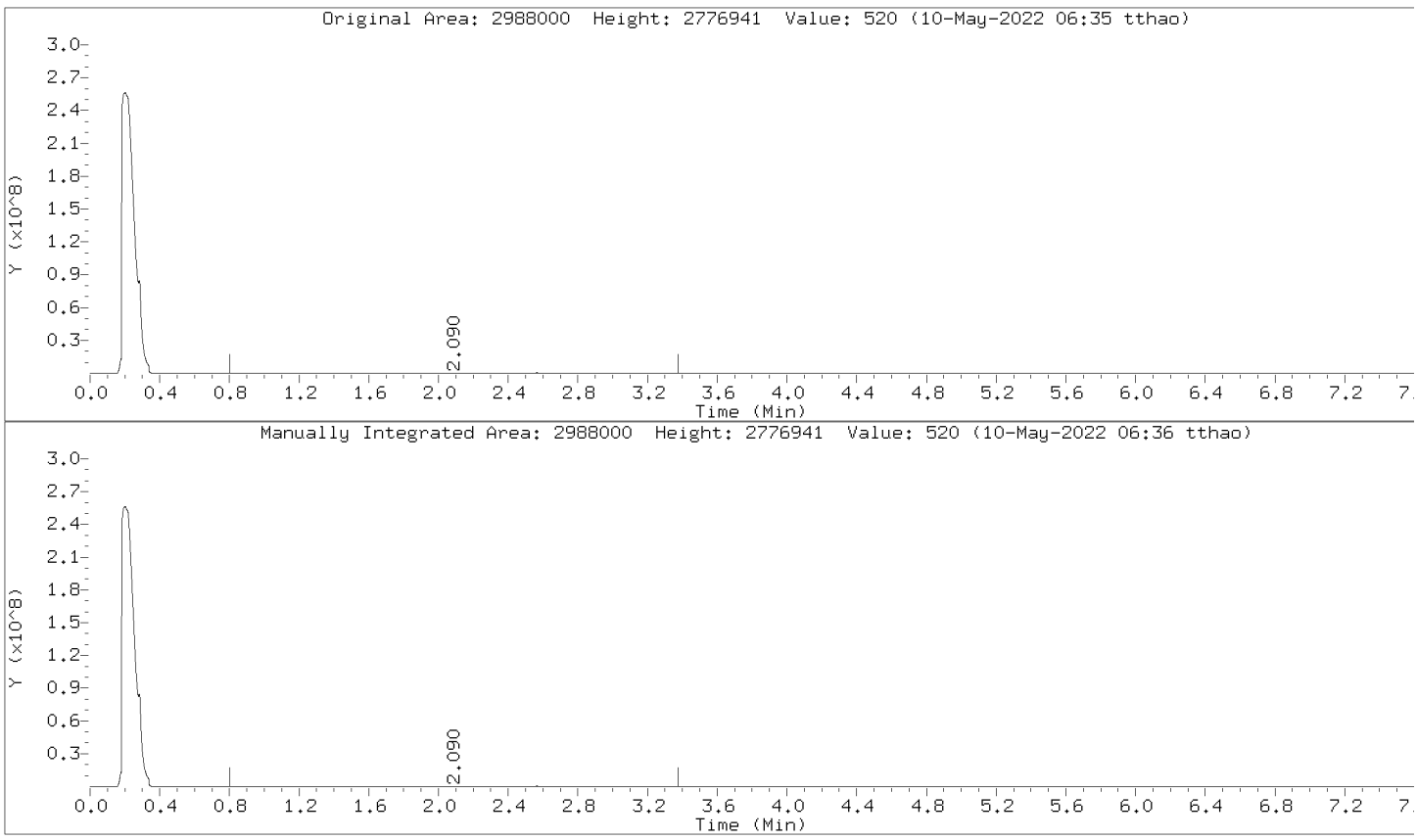
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



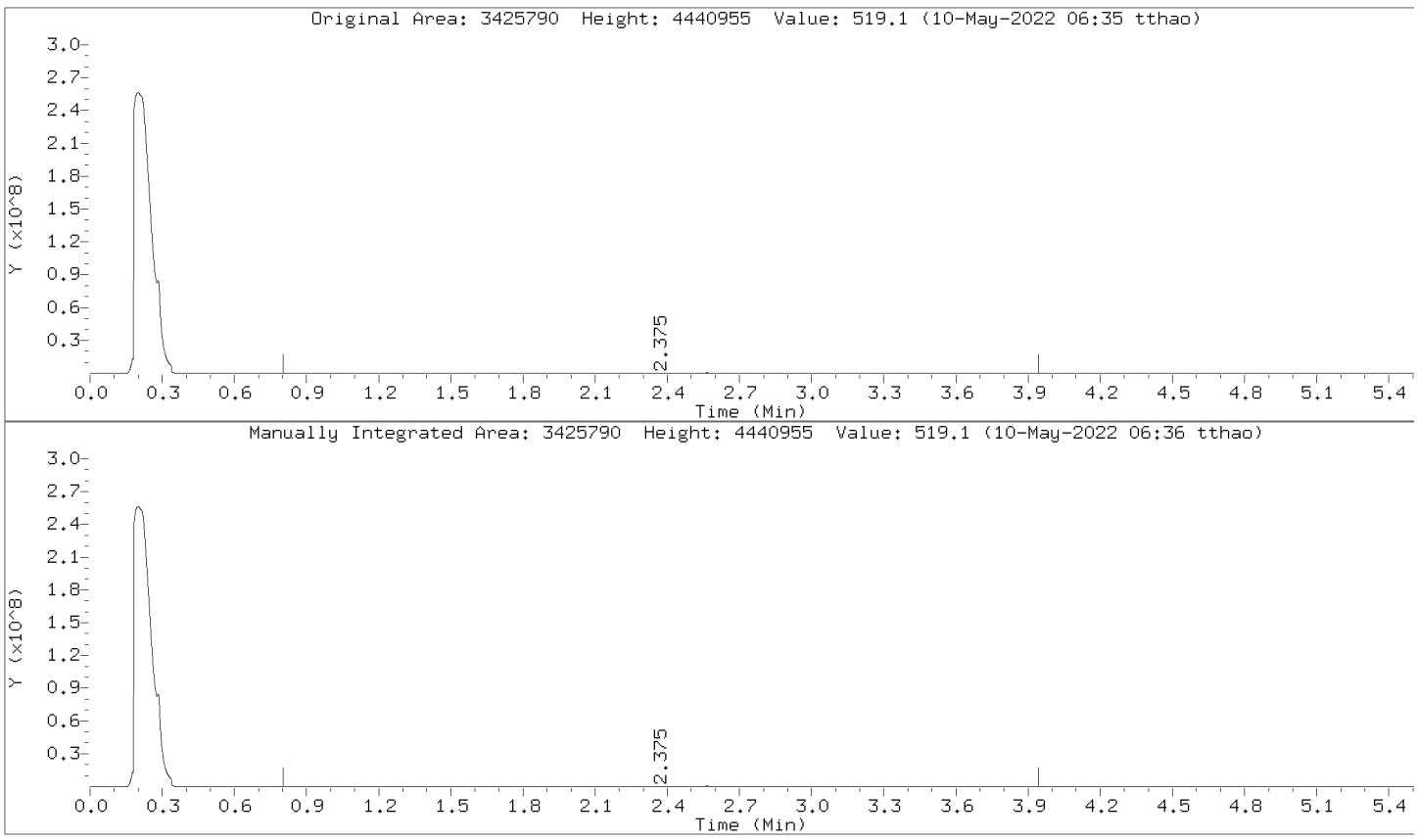
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



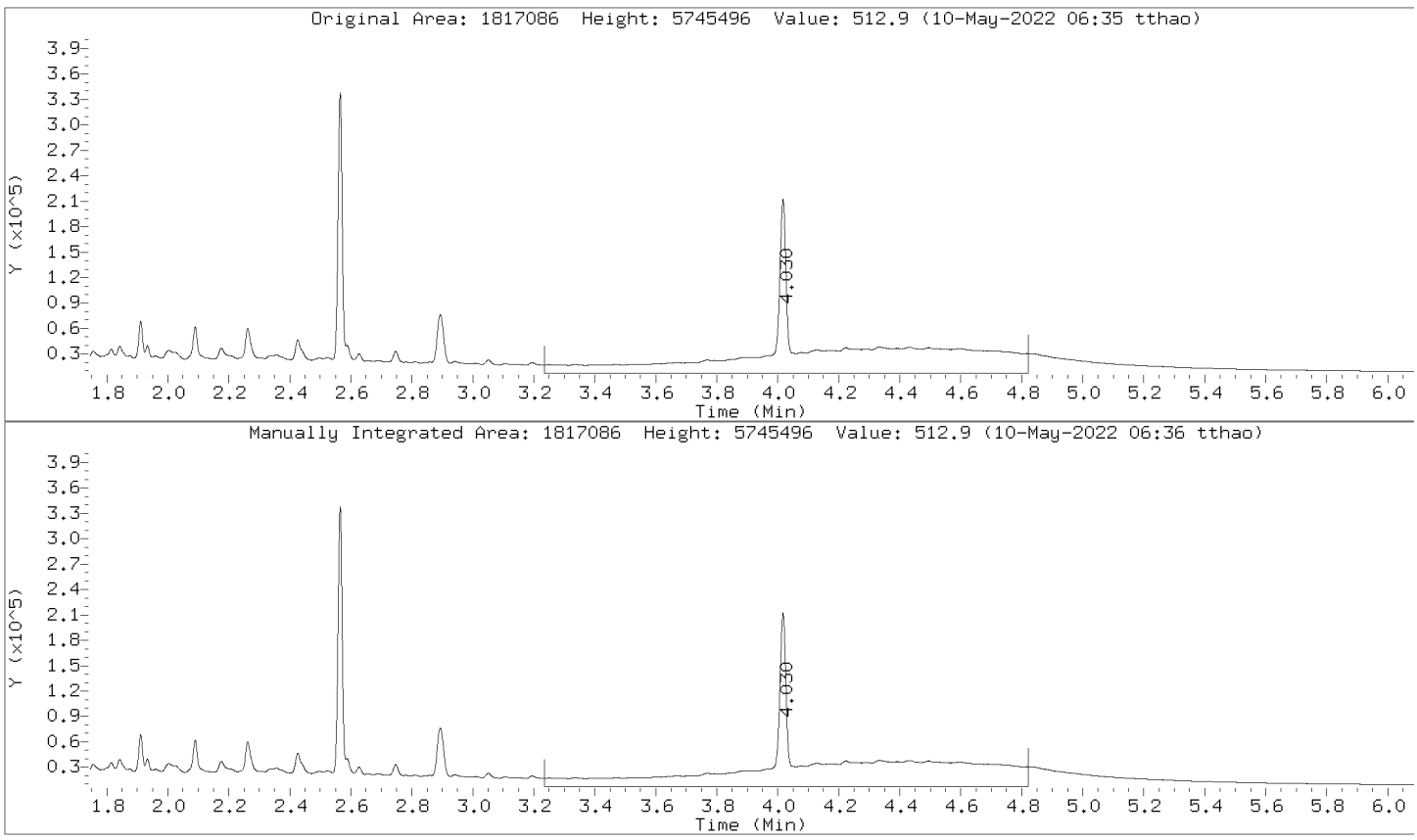
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



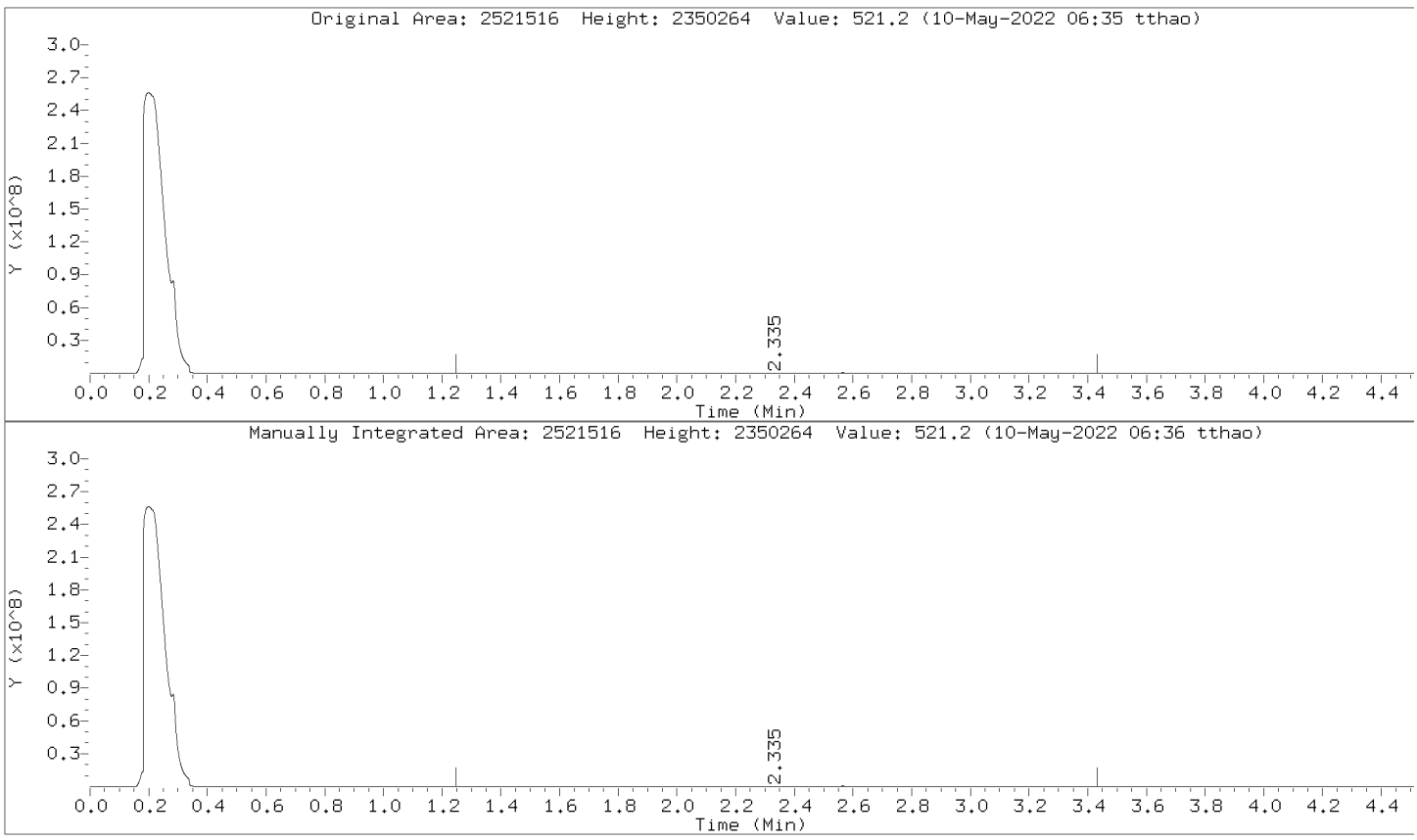
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



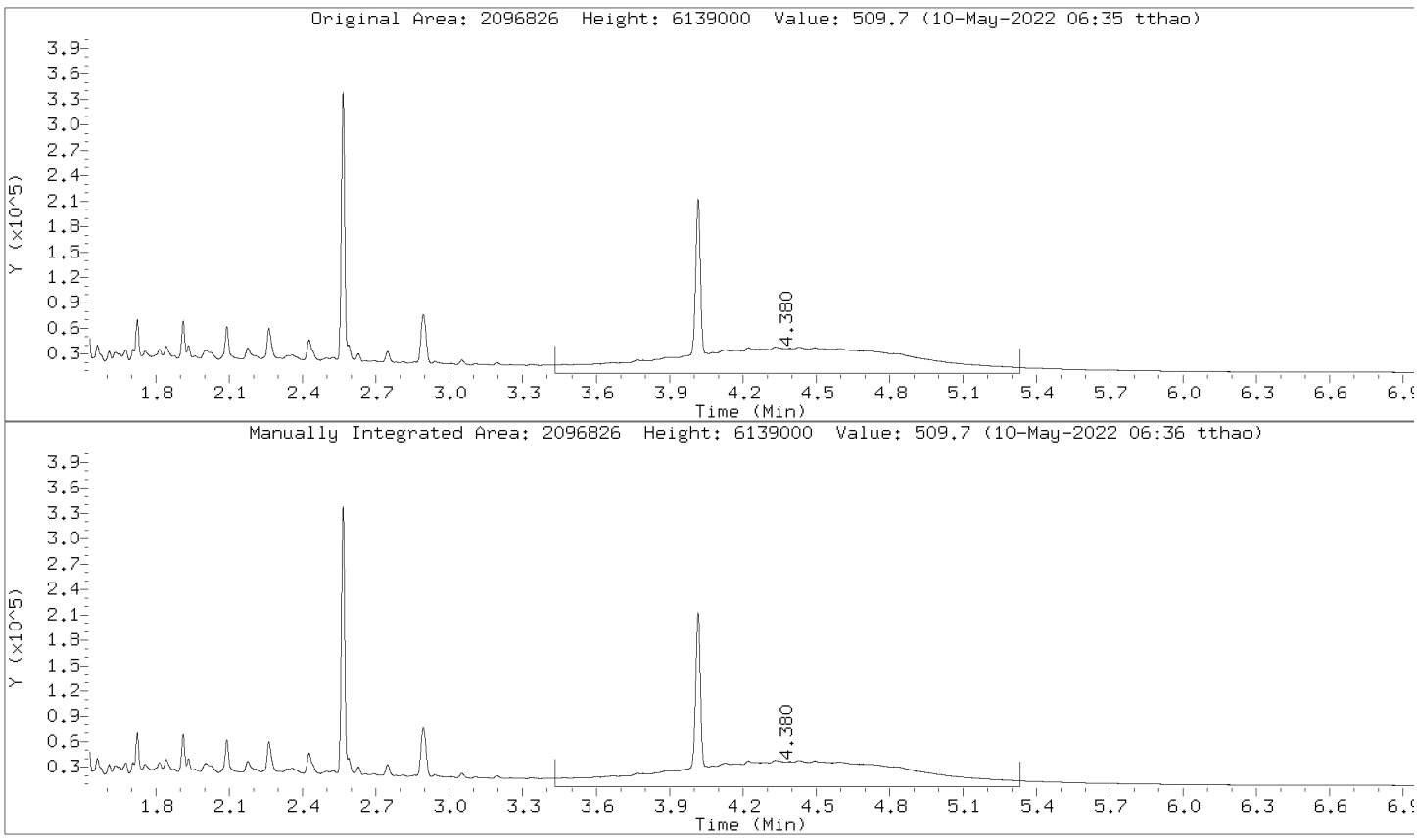
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



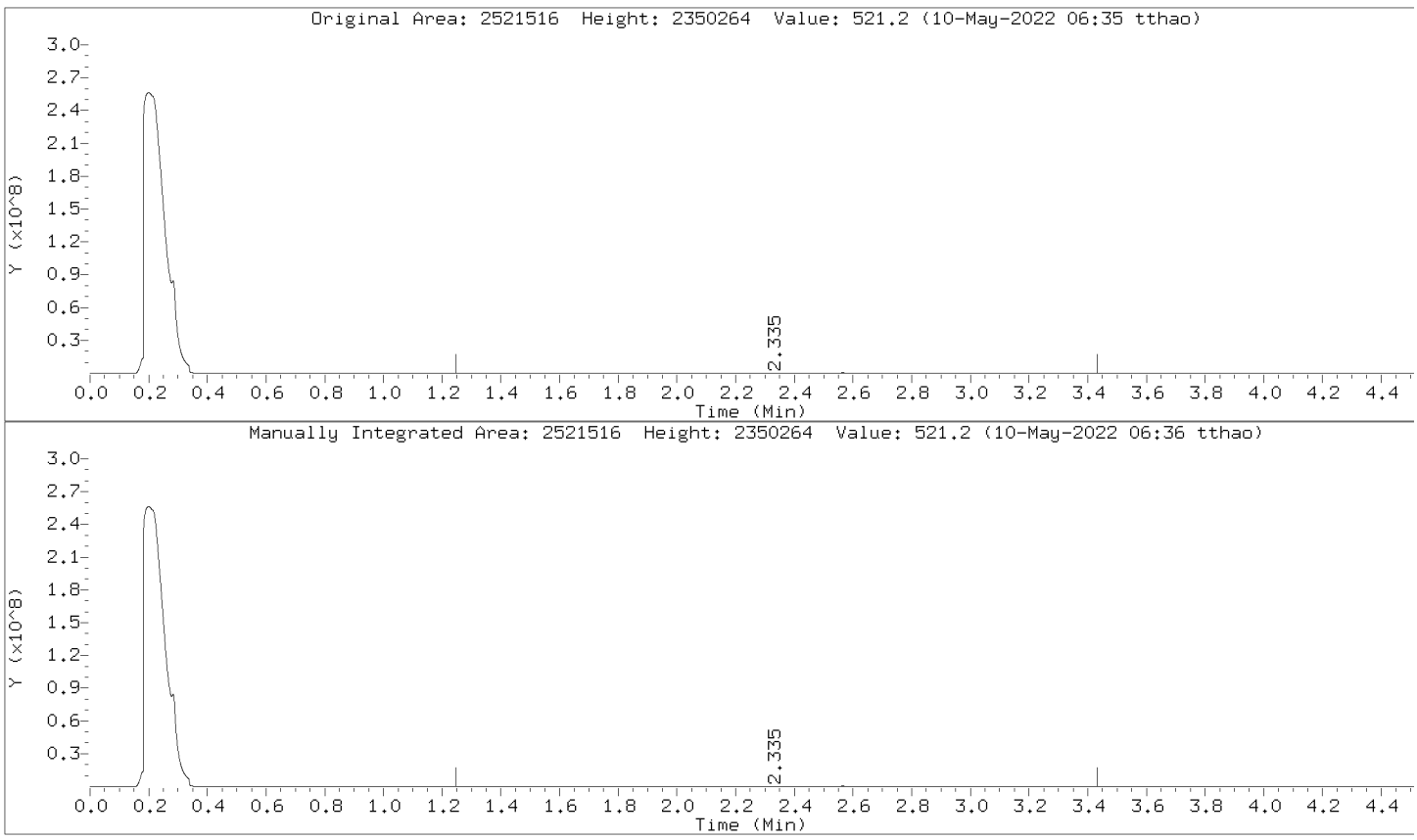
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



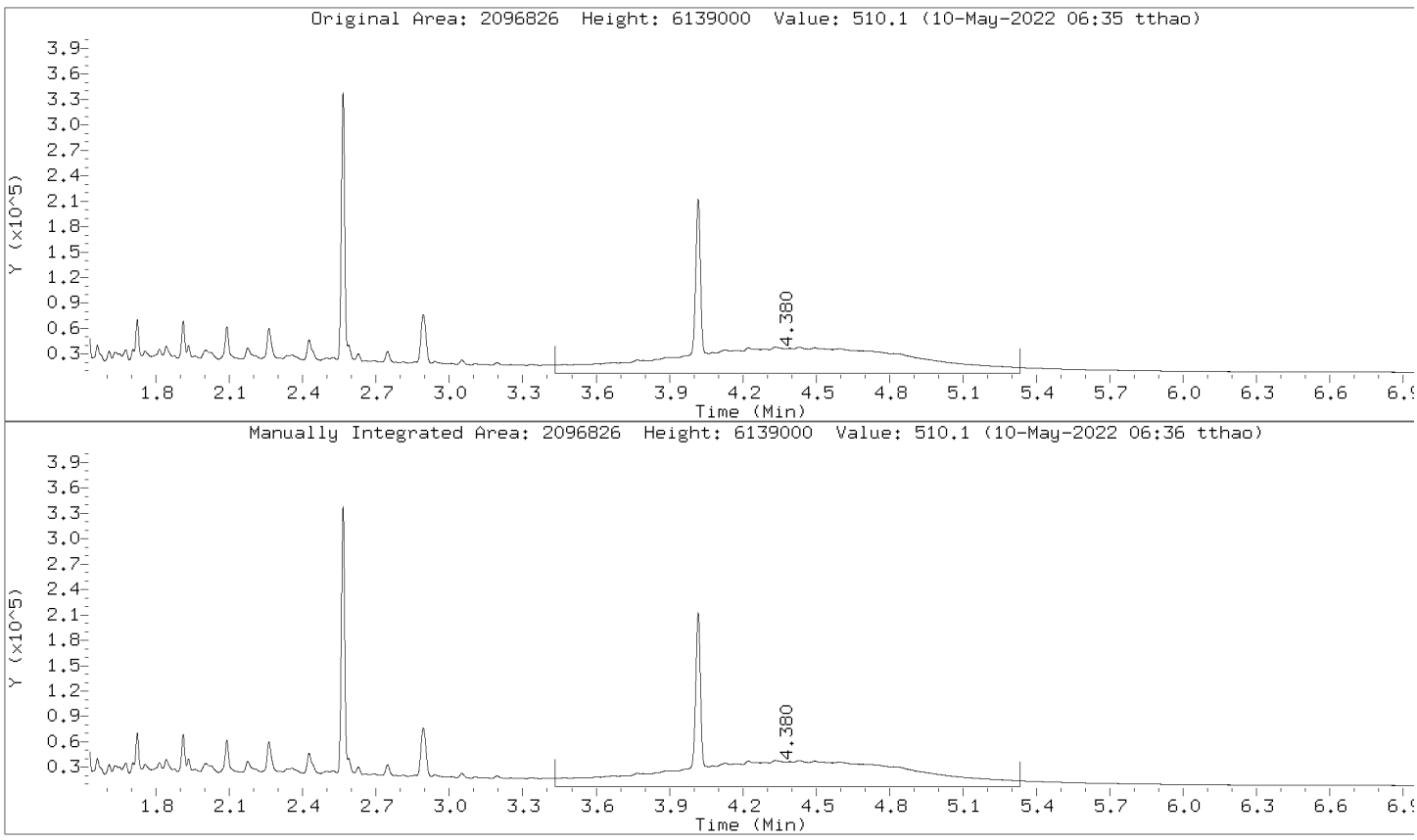
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



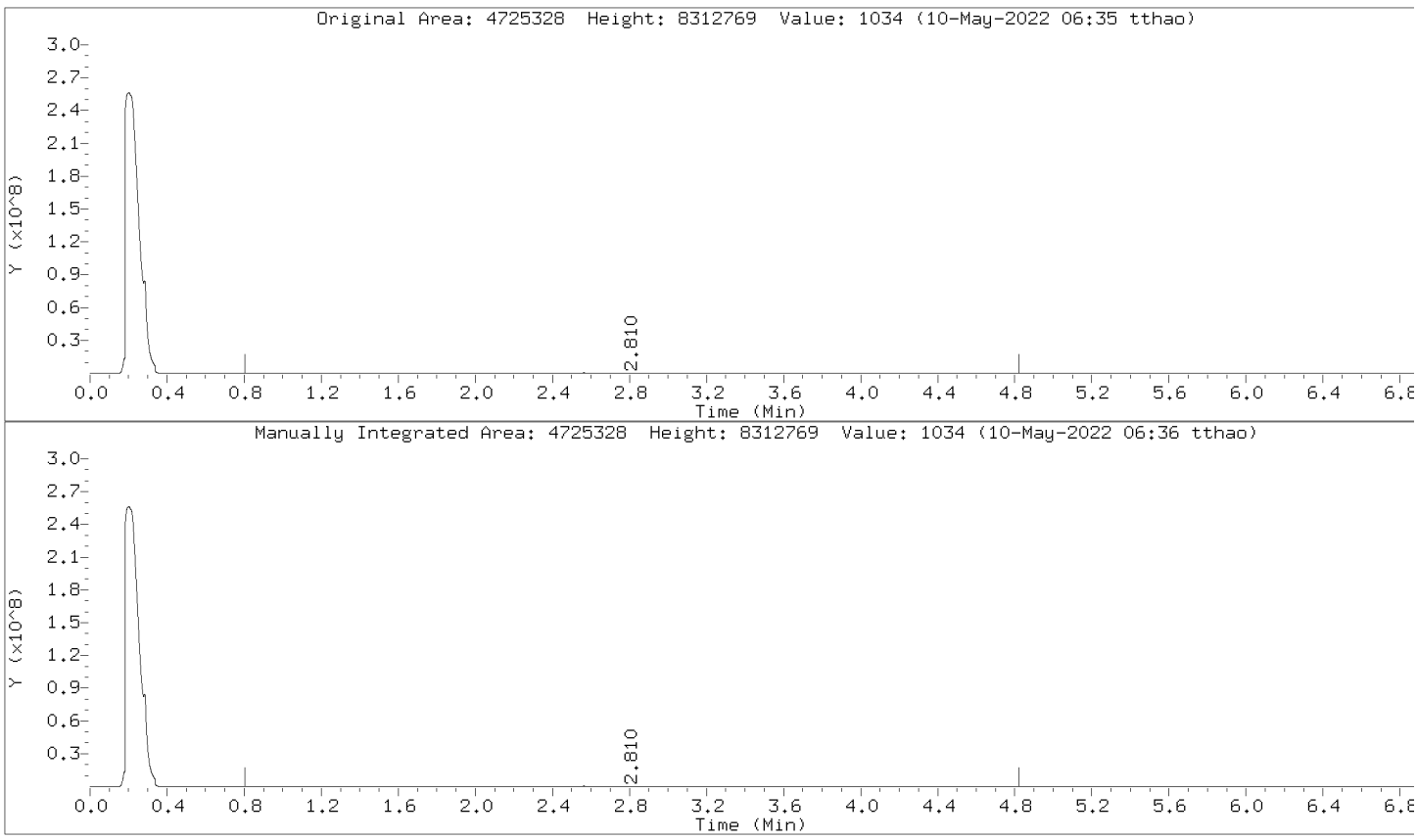
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



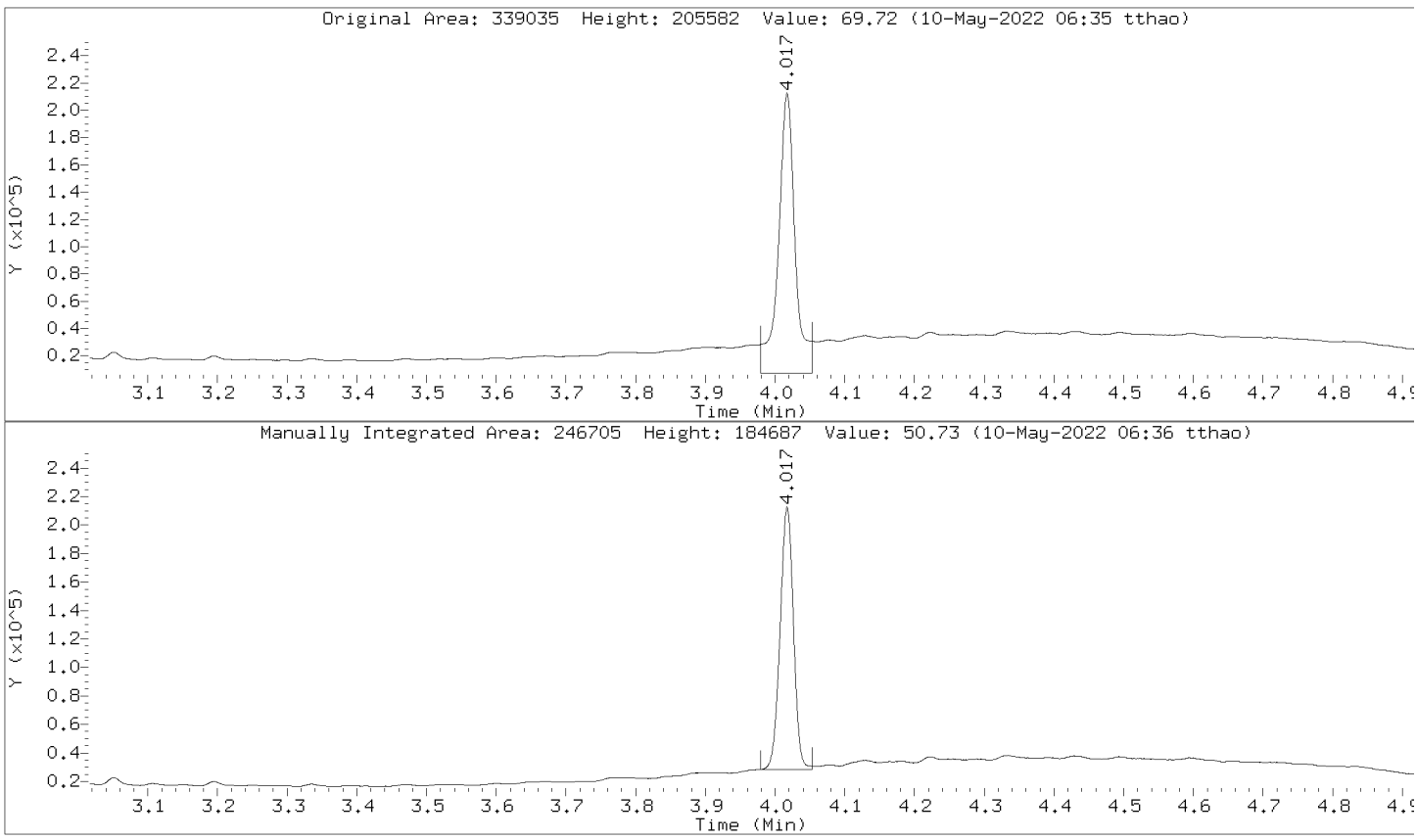
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: C10-C36 Review Code: RNG
CAS Number:



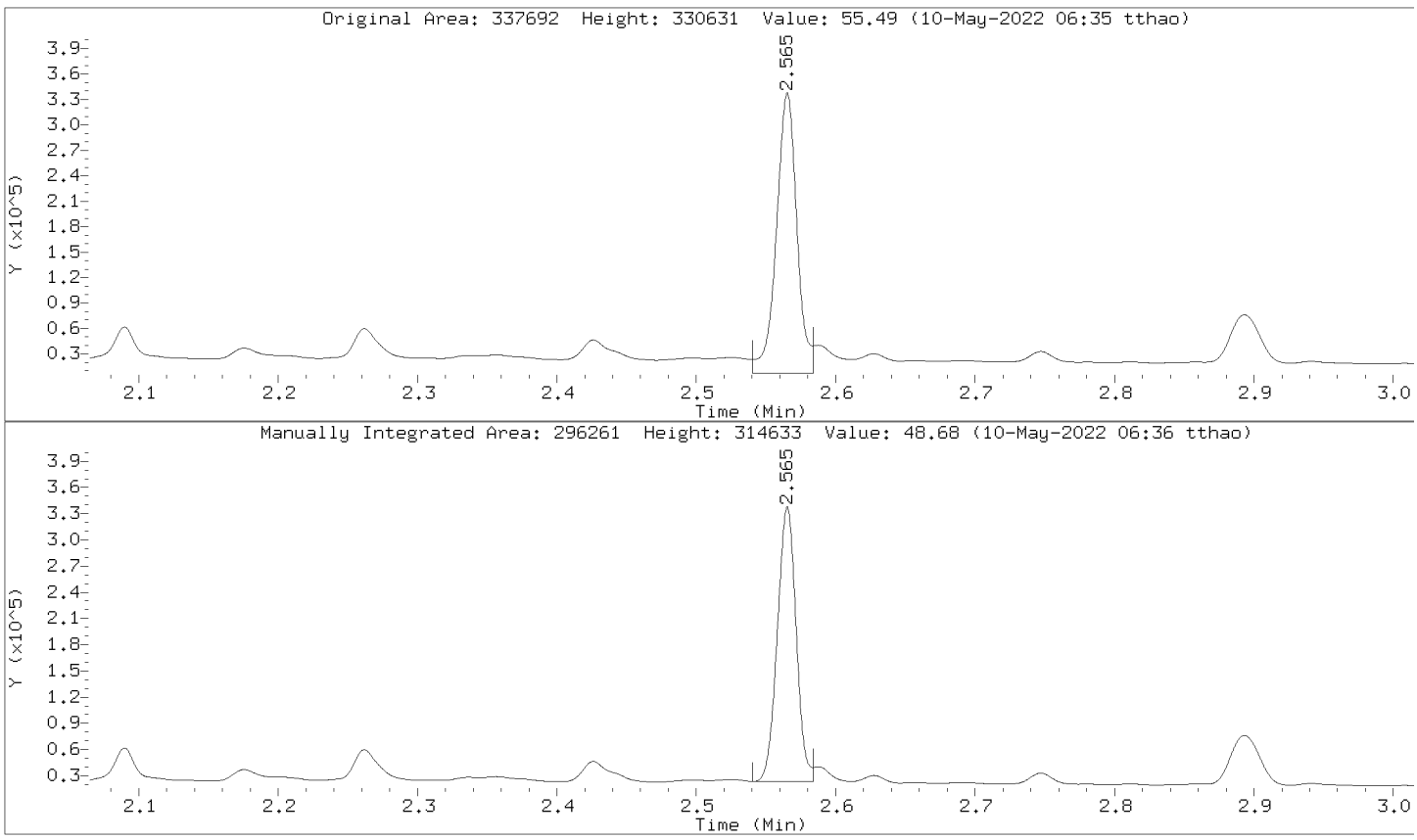
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1737328	1737328
DRO by AK 102	2988000	2988000
TPH-DRO (C10-C28)	3425790	3425790
Motor Oil Range (C24-C36)	1817086	1817086
Diesel Fuel Range	2521516	2521516
Motor Oil Range	2096826	2096826
Diesel Fuel Range SG	2521516	2521516
Motor Oil Range SG	2096826	2096826
C10-C36	4725328	4725328
n-Triacontane (S)	339035	246705
o-Terphenyl (S)	337692	296261

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000040.D
Lab Smp Id: DMO-CCV,363721:2 Client Smp ID: DMO-CCV,363721:2
Inj Date : 11-MAY-2022 20:44
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-ccv,363721:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.385		2959603	500.000	514	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.568	2.568	0.000	297537	50.0000	48.9	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.027	4.028	-0.001	243596	50.0000	50.1	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.386	- 4.800		1709515	500.000	504	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.940		3386239	500.000	512	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.250	- 4.800		1786895	500.000	504	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.800		4669119	1000.00	1020	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		2500564	500.000	516	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		2500564	500.000	516	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		2054106	500.000	499	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		2054106	500.000	499	(M)	RNG

QC Flag Legend

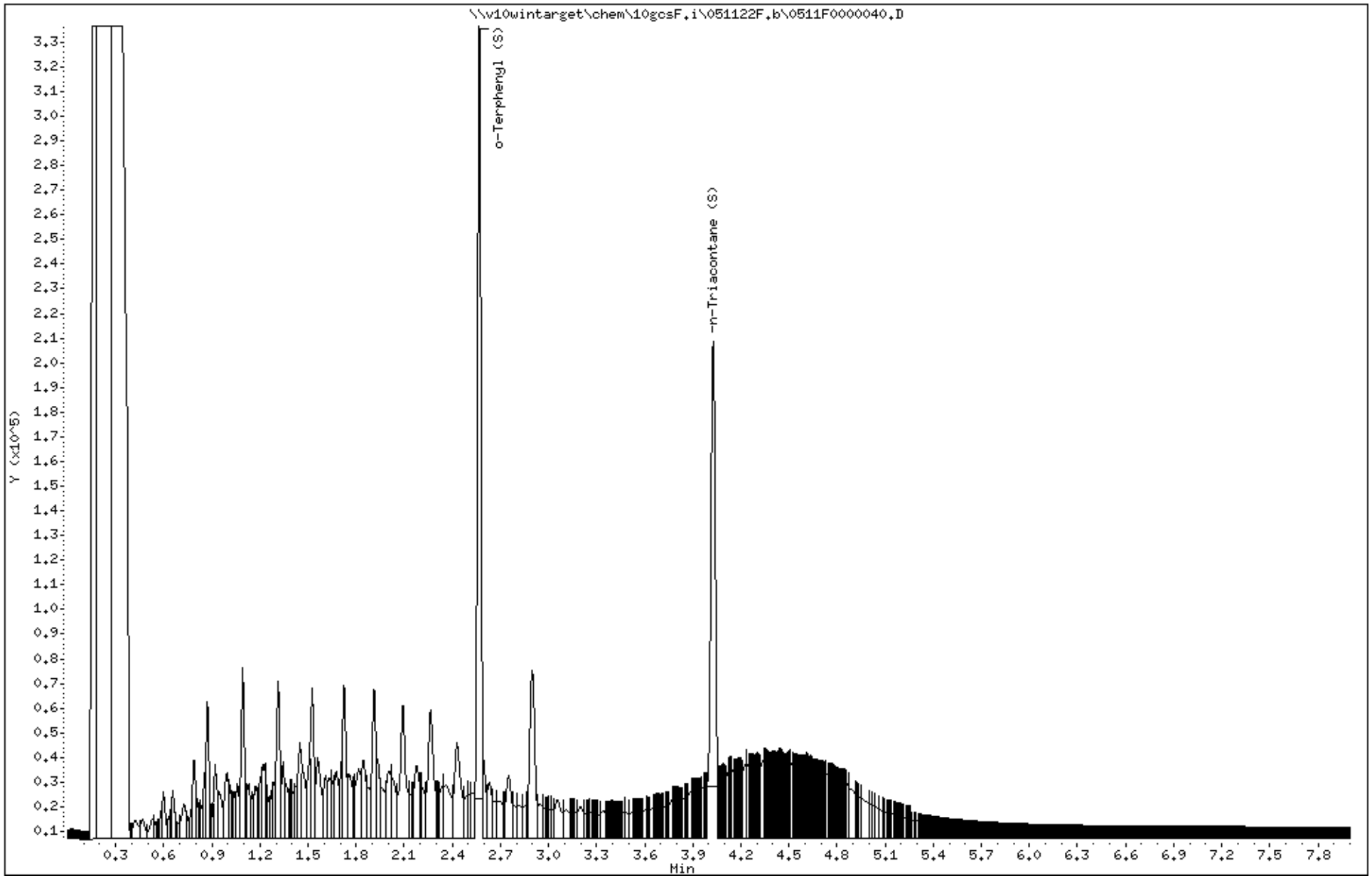
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000040.D
Date : 11-MAY-2022 20:44
Client ID: DMO-CCV,363721:2
Sample Info: DMO-CCV,363721:2

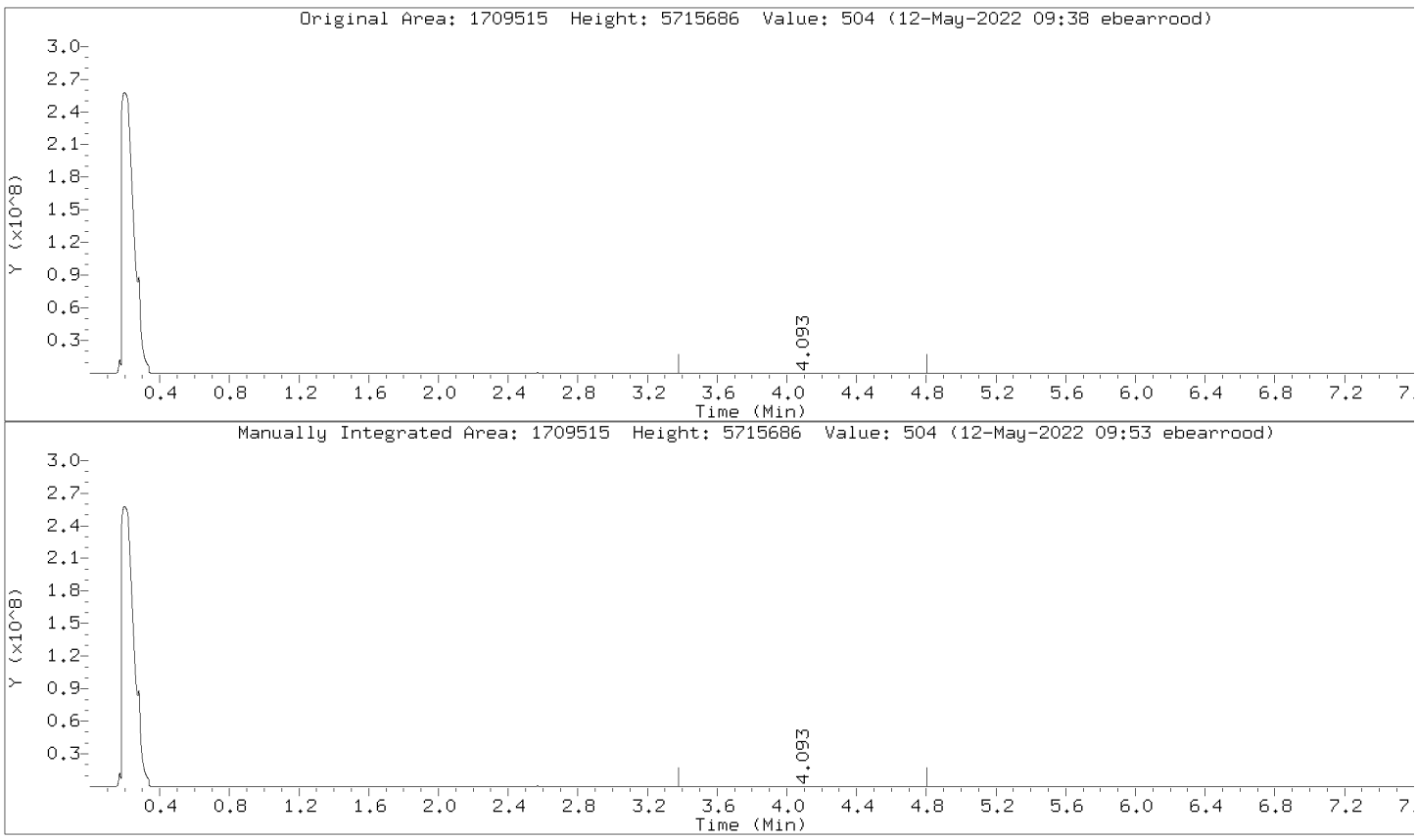
Instrument: 10gcsF.i
Operator: EB3
Column phase: DB-5-US21390001
Column diameter: 0.32



213 of 1139
186 of 653
10606563

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000040.D
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



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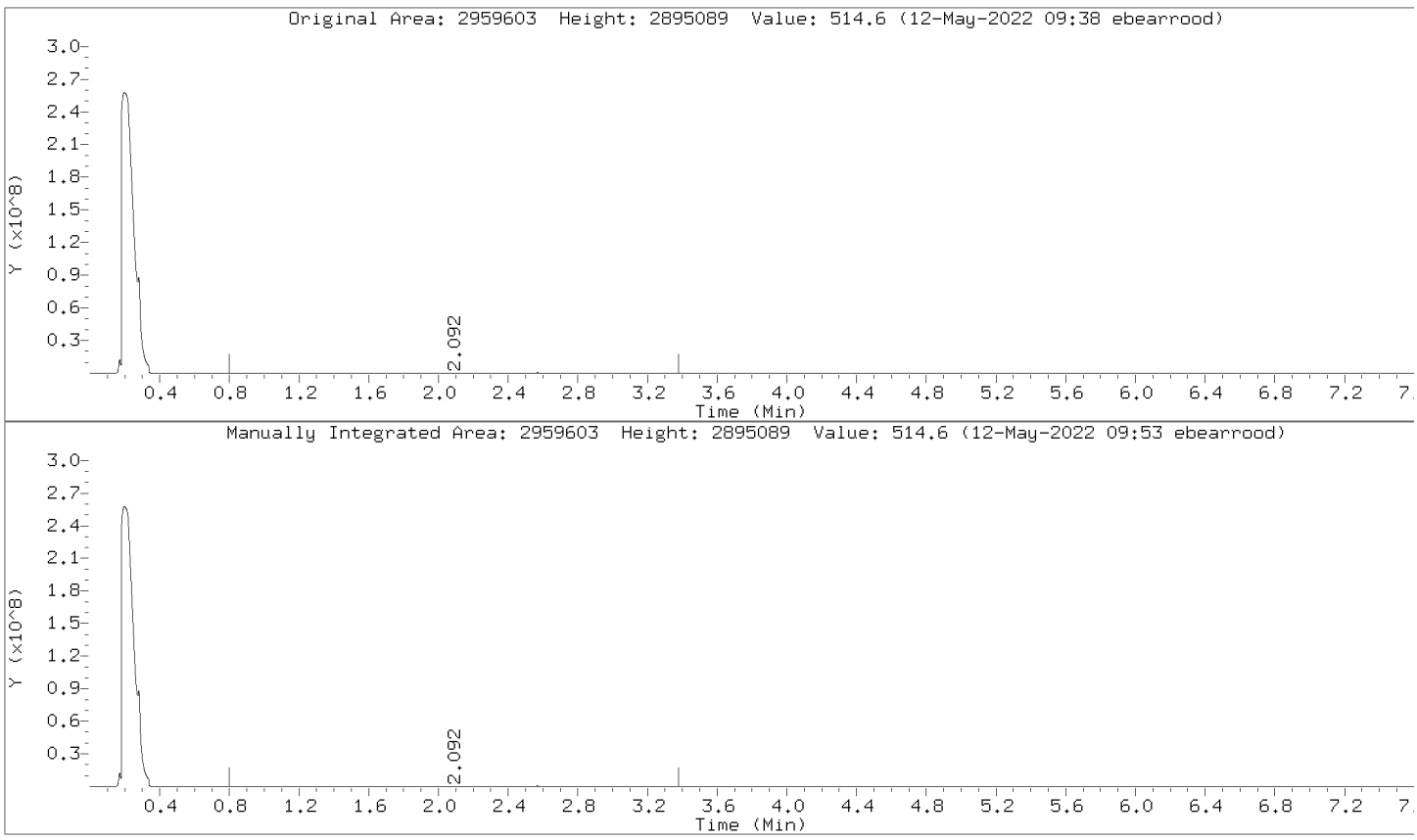
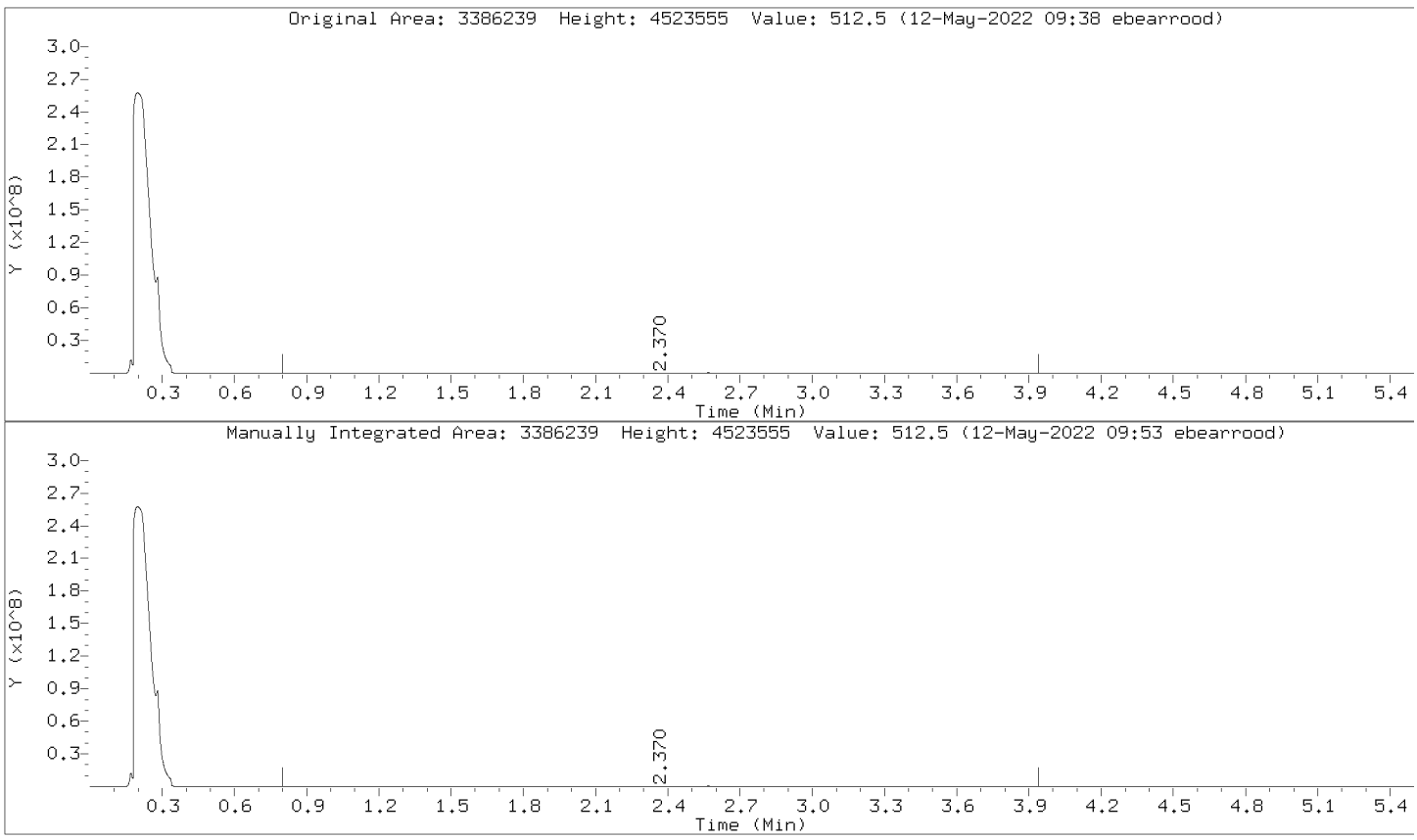
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000040.D
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



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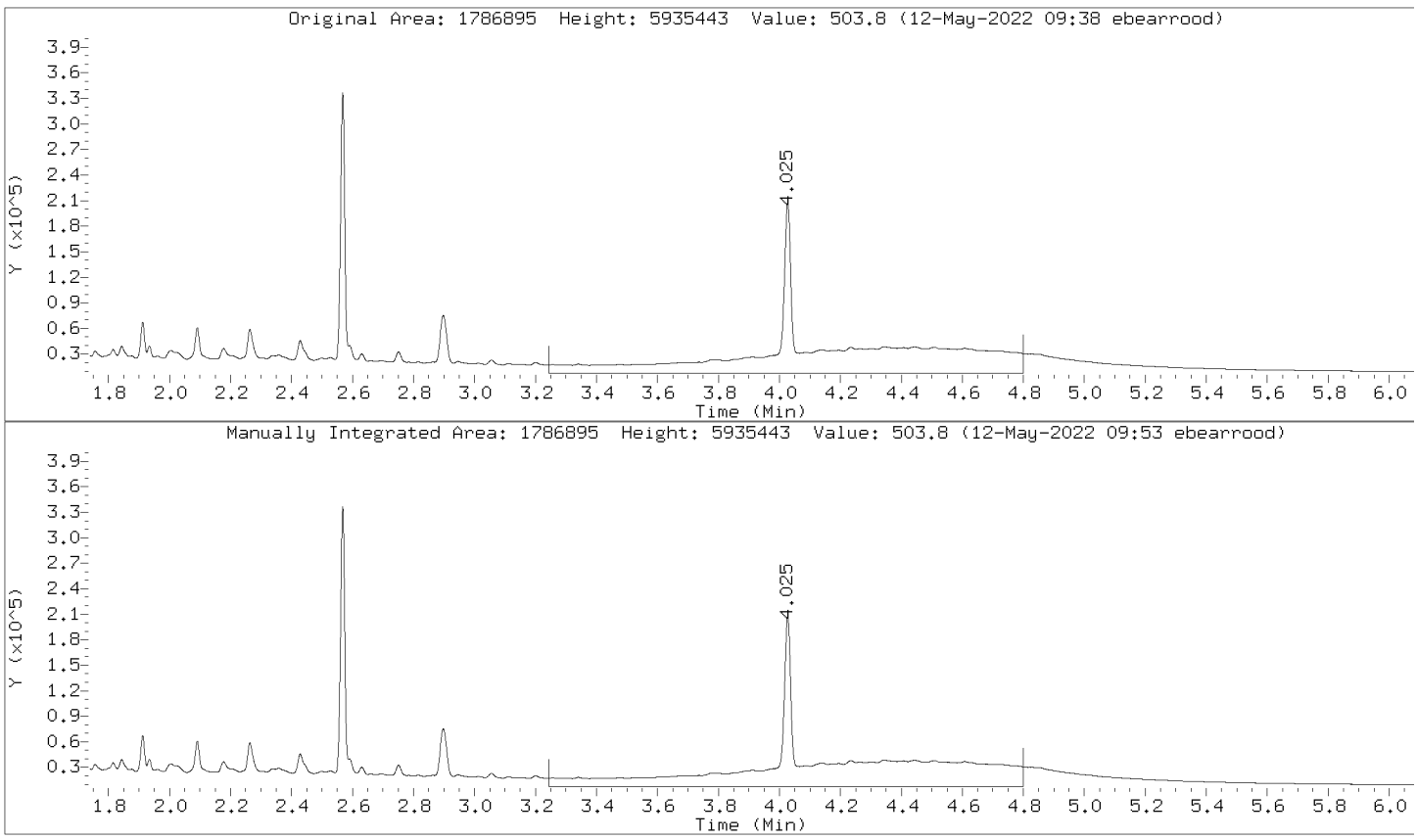
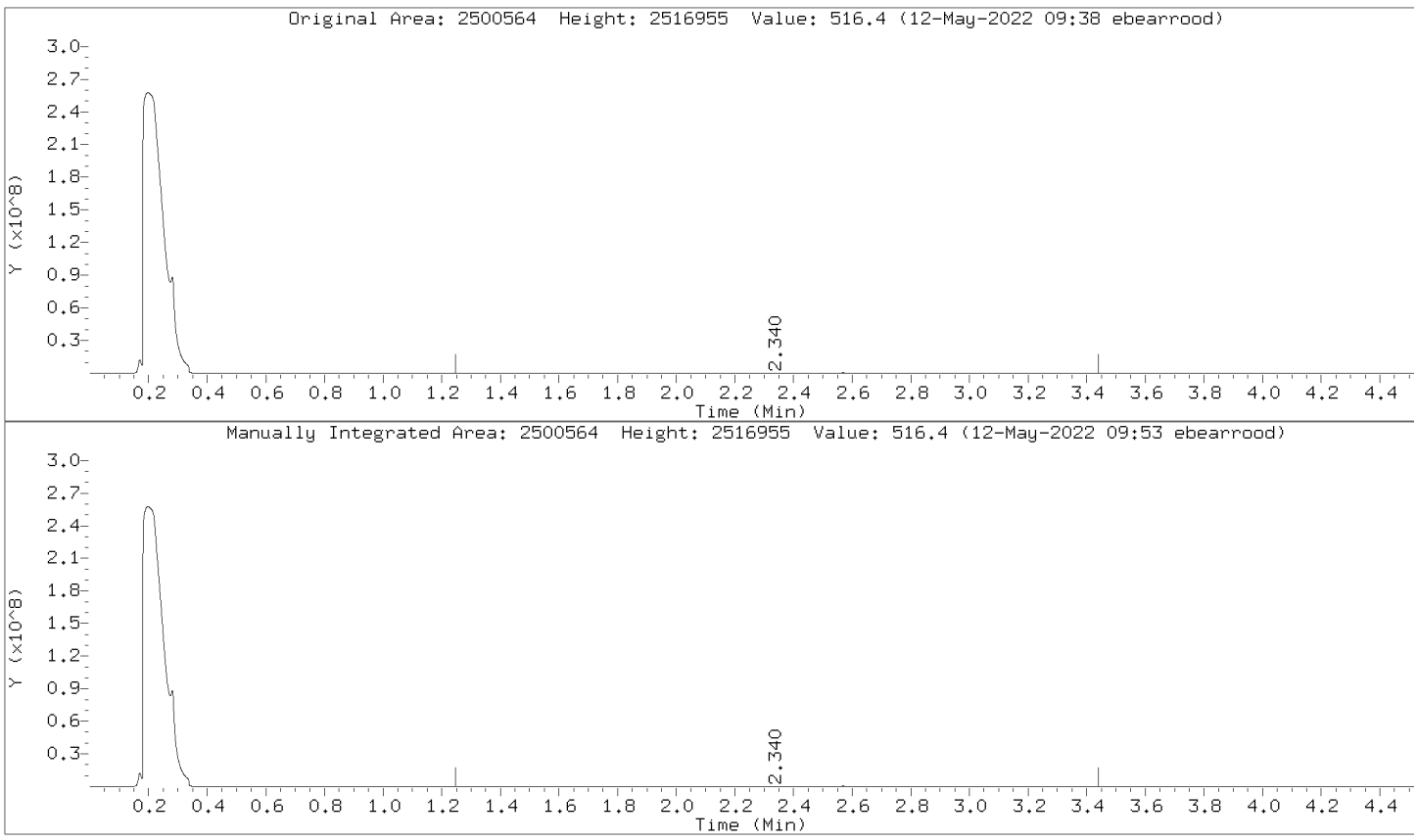
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



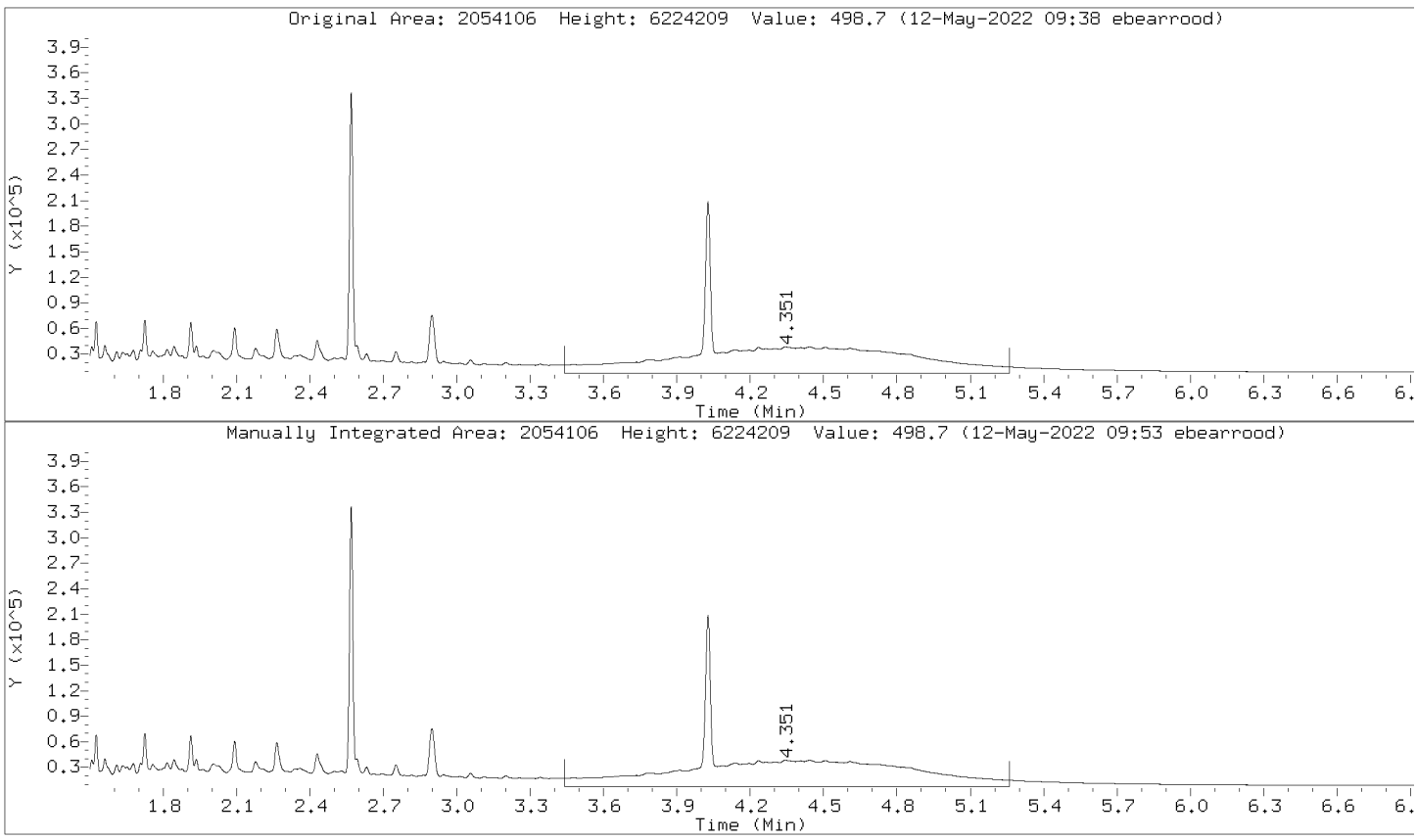
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000040.D
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



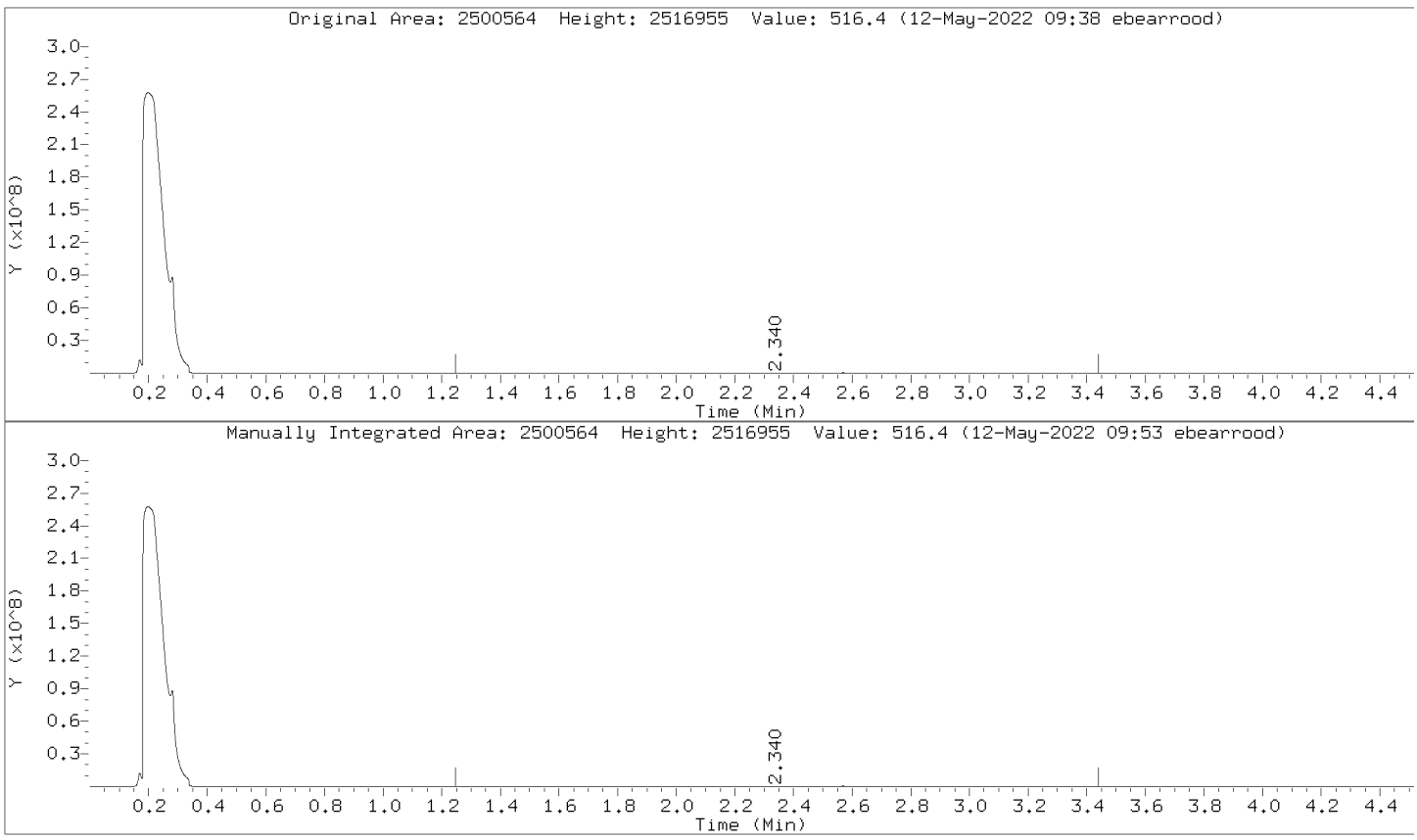
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000040.D
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



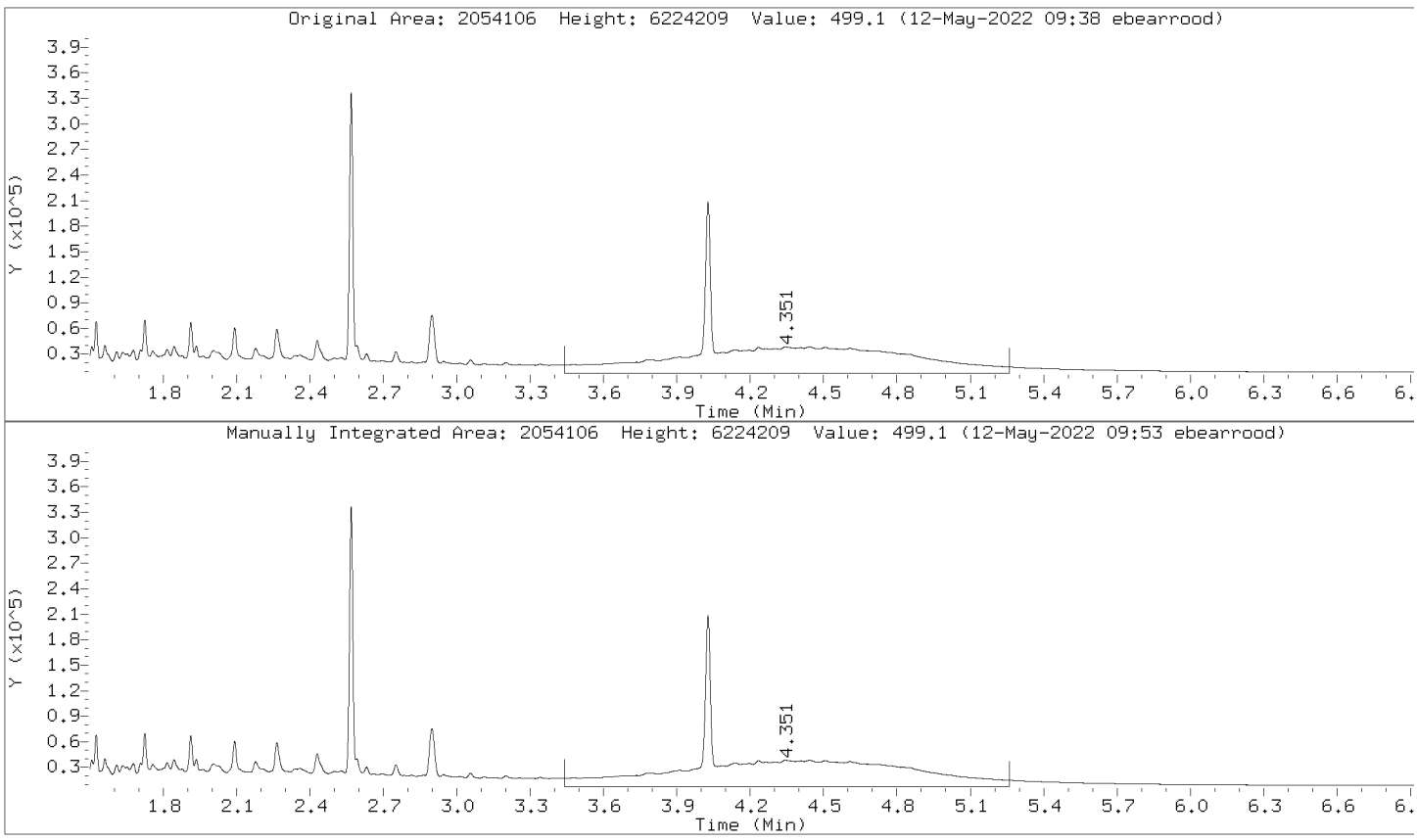
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000040.D
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



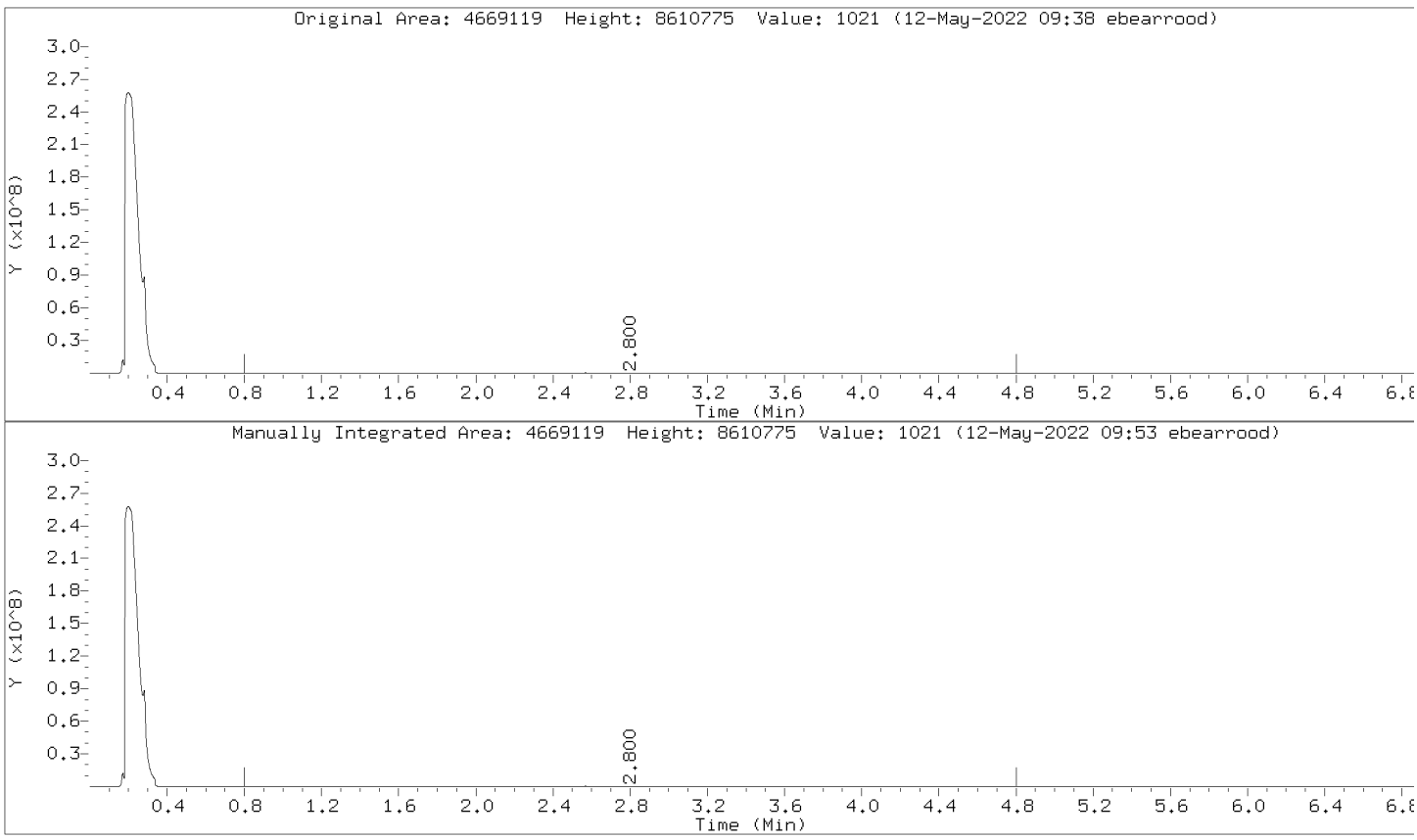
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000040.D
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



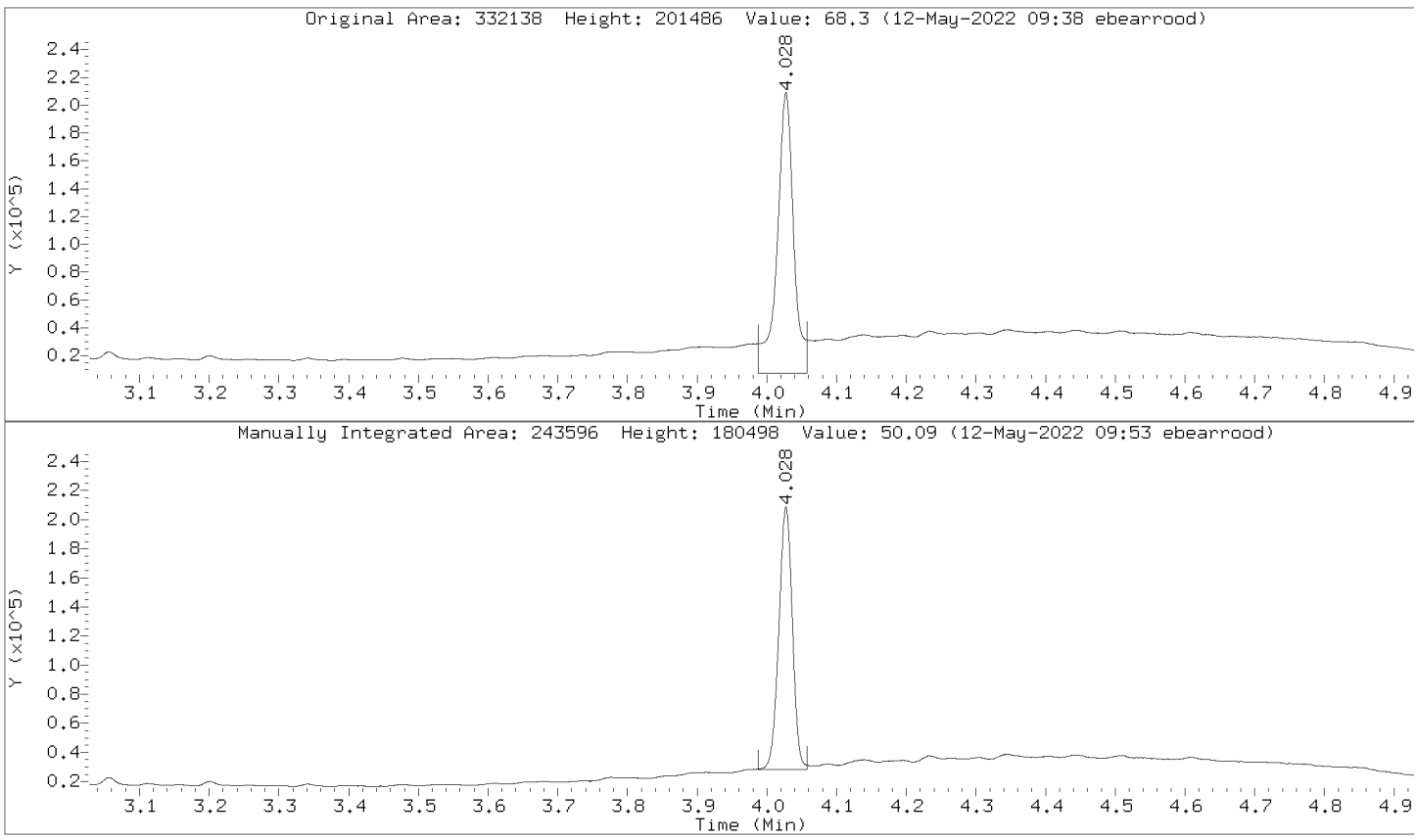
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000040.D
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: C10-C36 Review Code: RNG
CAS Number:



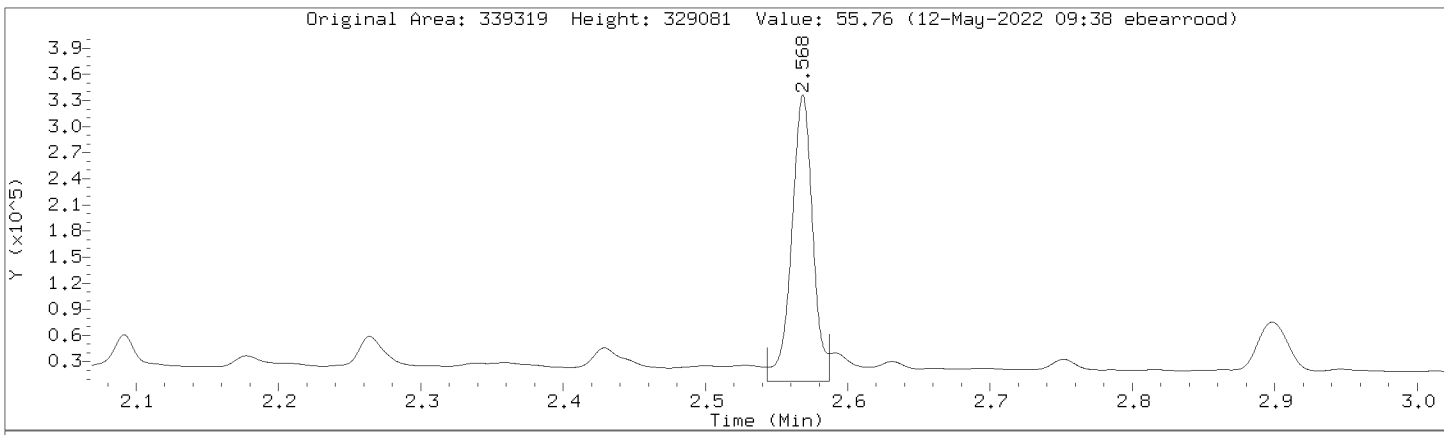
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000040.D
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

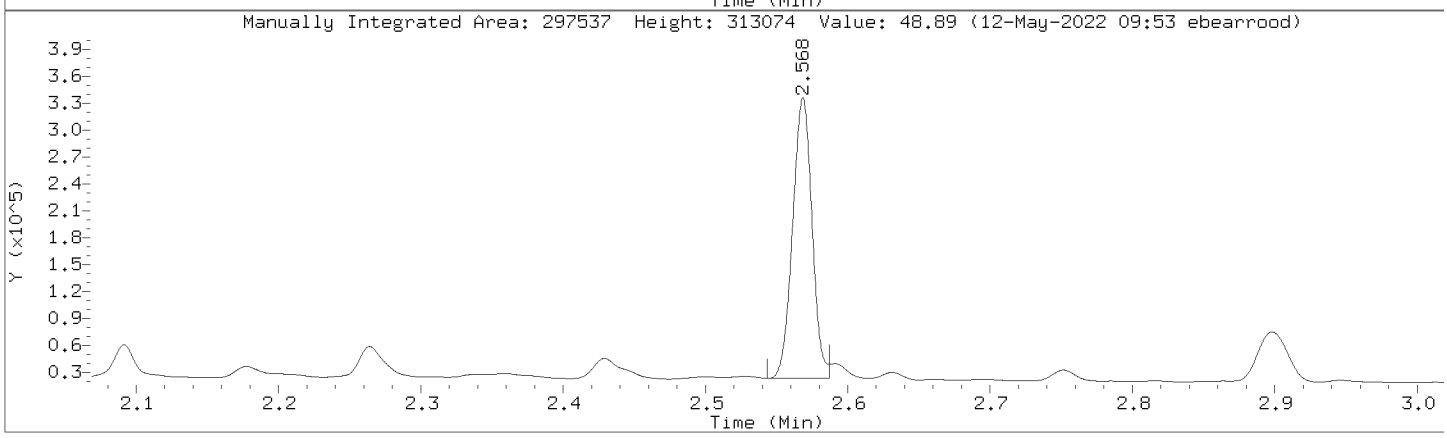
Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000040.D
Injection Date: 11-MAY-2022 20:44
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:





Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1709515	1709515
DRO by AK 102	2959603	2959603
TPH-DRO (C10-C28)	3386239	3386239
Motor Oil Range (C24-C36)	1786895	1786895
Diesel Fuel Range	2500564	2500564
Motor Oil Range	2054106	2054106
Diesel Fuel Range SG	2500564	2500564
Motor Oil Range SG	2054106	2054106
C10-C36	4669119	4669119
n-Triacontane (S)	332138	243596
o-Terphenyl (S)	339319	297537

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000047.D
Lab Smp Id: DMO-CCV,363721:2 Client Smp ID: DMO-CCV,363721:2
Inj Date : 11-MAY-2022 22:03
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-ccv,363721:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.385		2974085	500.000	517	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.568	2.568	0.000	300257	50.0000	49.3	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.028	4.028	0.000	246534	50.0000	50.7	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.386	- 4.800		1693388	500.000	499	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.940		3399339	500.000	515	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.250	- 4.800		1772548	500.000	500	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.800		4667473	1000.00	1020	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		2512193	500.000	519	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		2512193	500.000	519	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		2031935	500.000	493	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		2031935	500.000	493	(M)	RNG

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

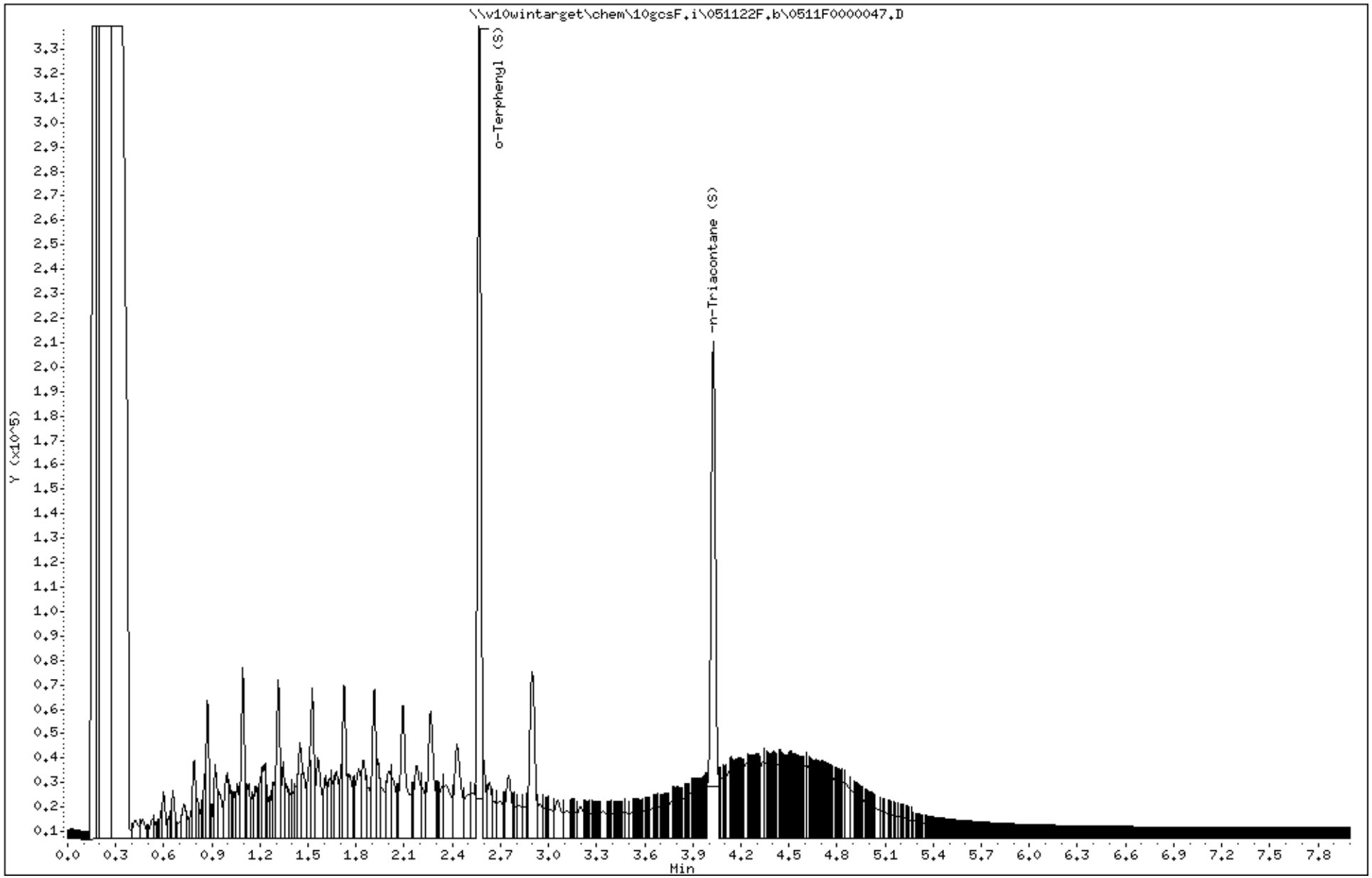
RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000047.D
Date : 11-MAY-2022 22:03
Client ID: DMO-CCV,363721:2
Sample Info: DMO-CCV,363721:2

Column phase: DB-5-US21390001

Instrument: 10gcsF.i

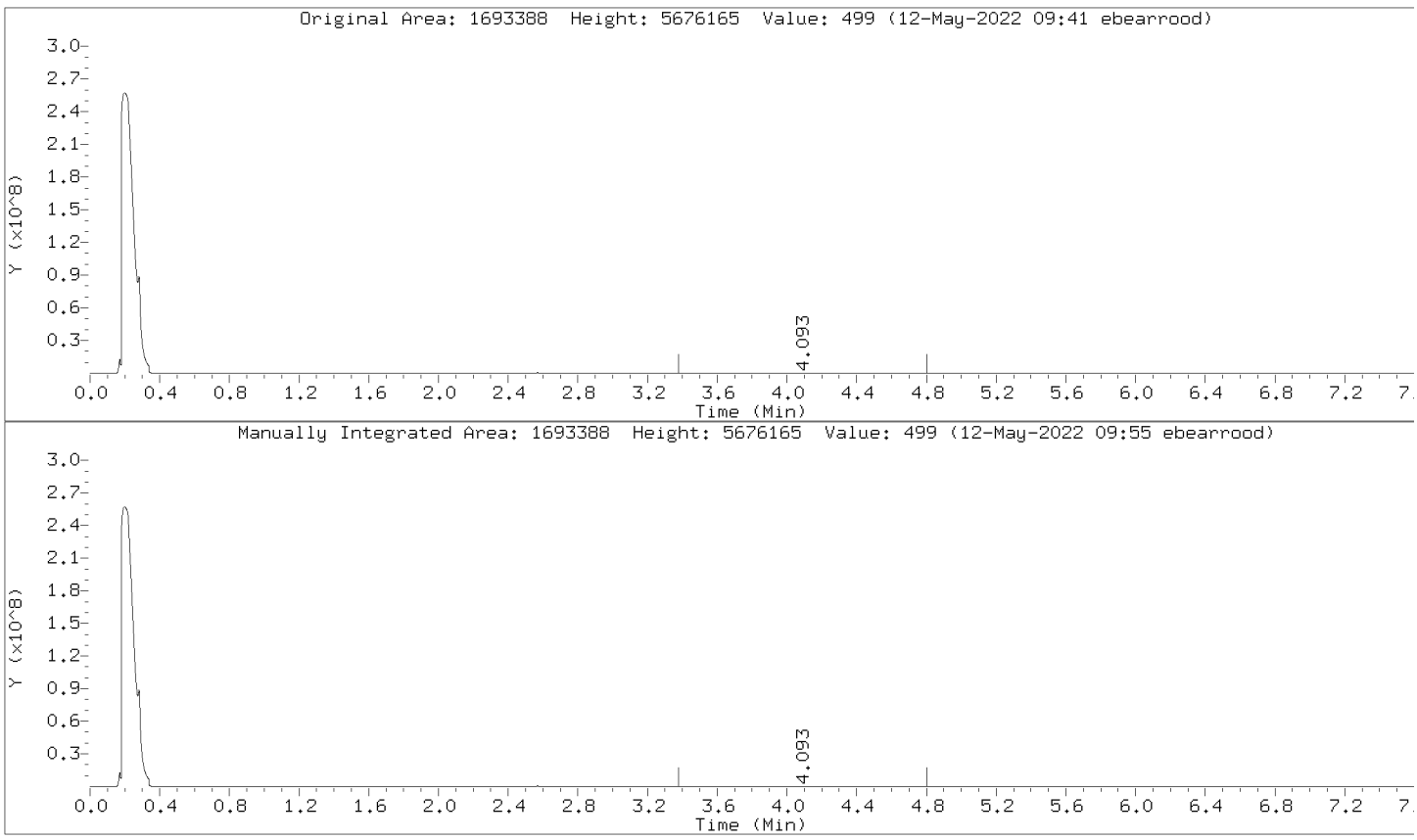
Operator: EB3
Column diameter: 0.32



227 of 1139
200 of 653
10606563

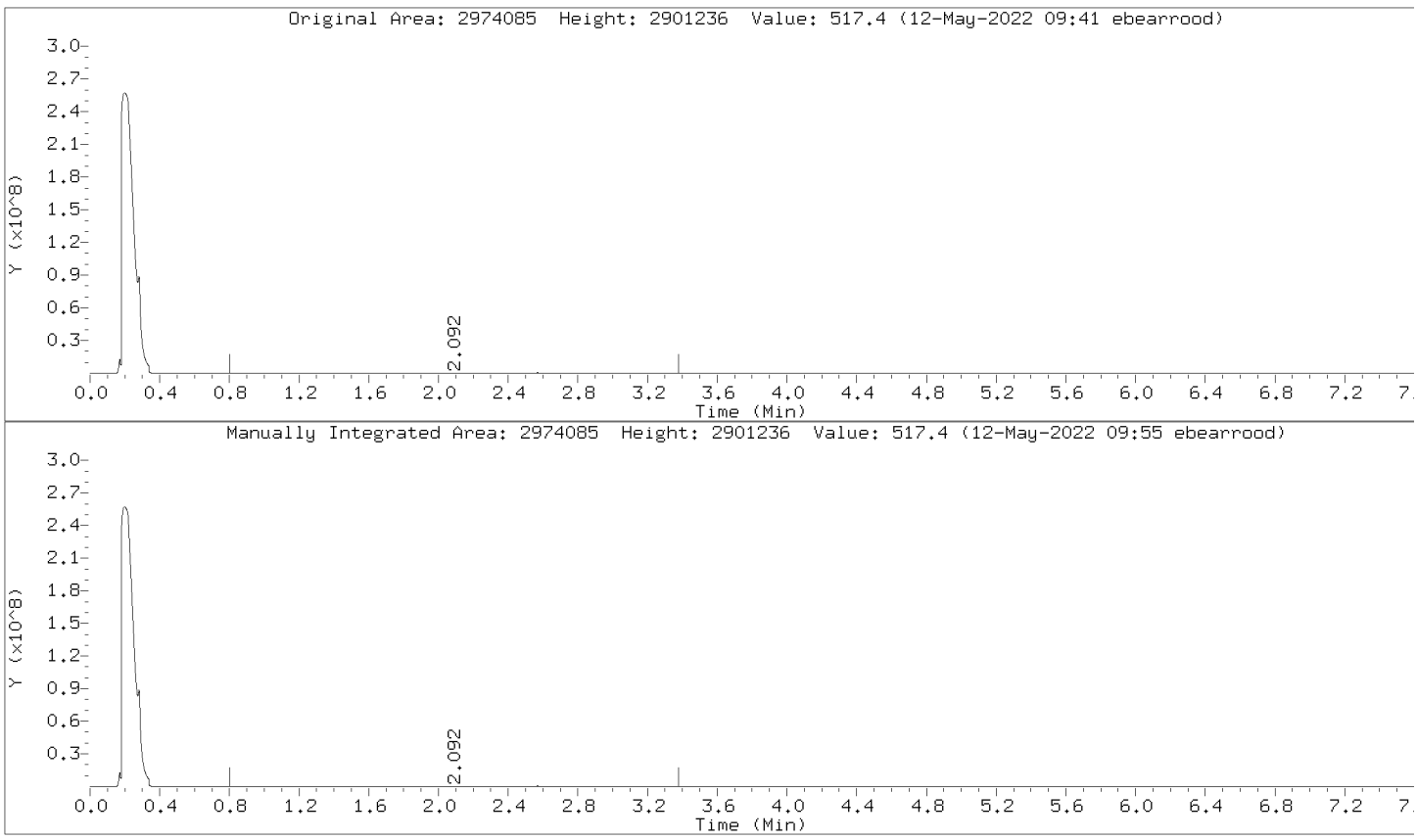
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000047.D
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



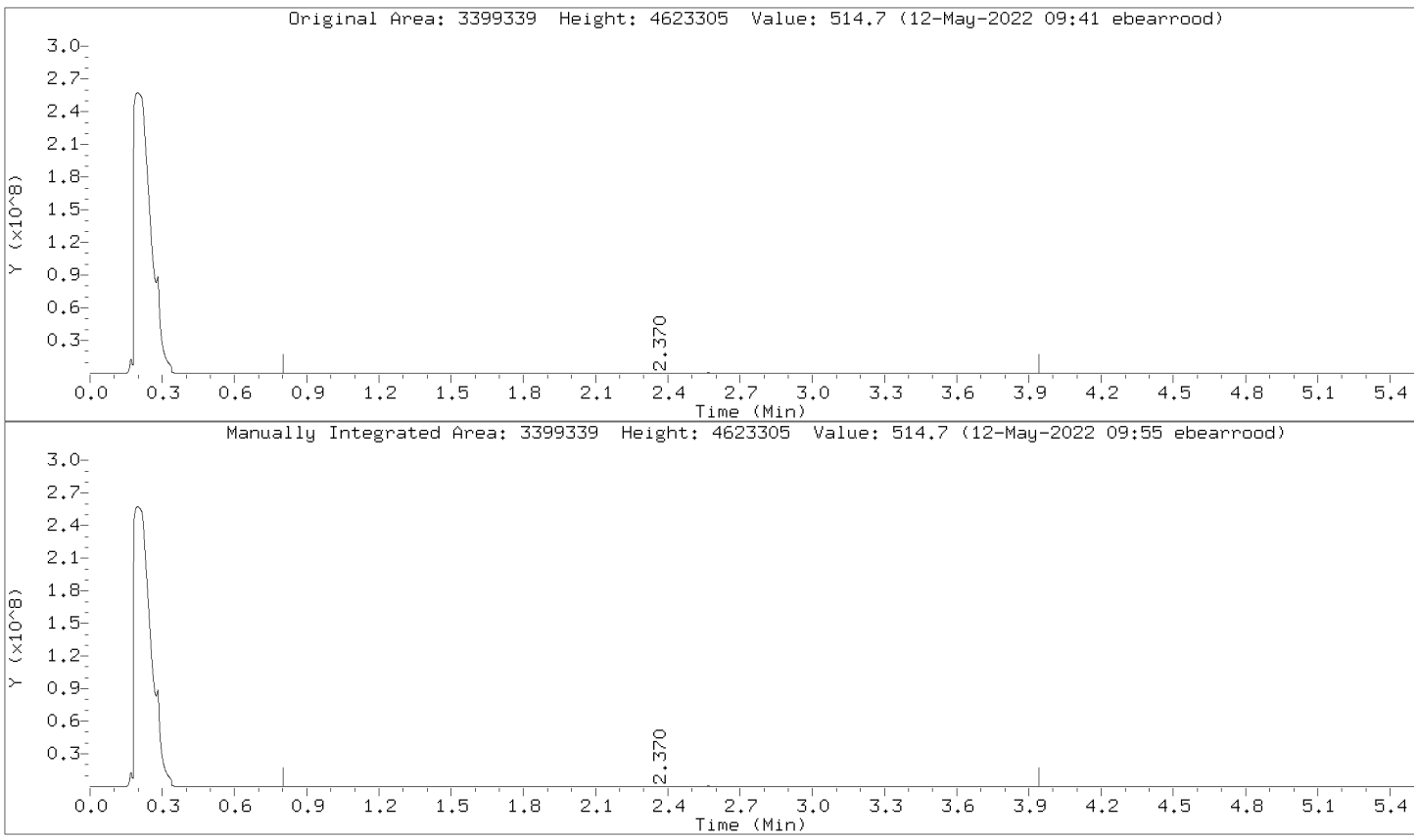
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000047.D
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



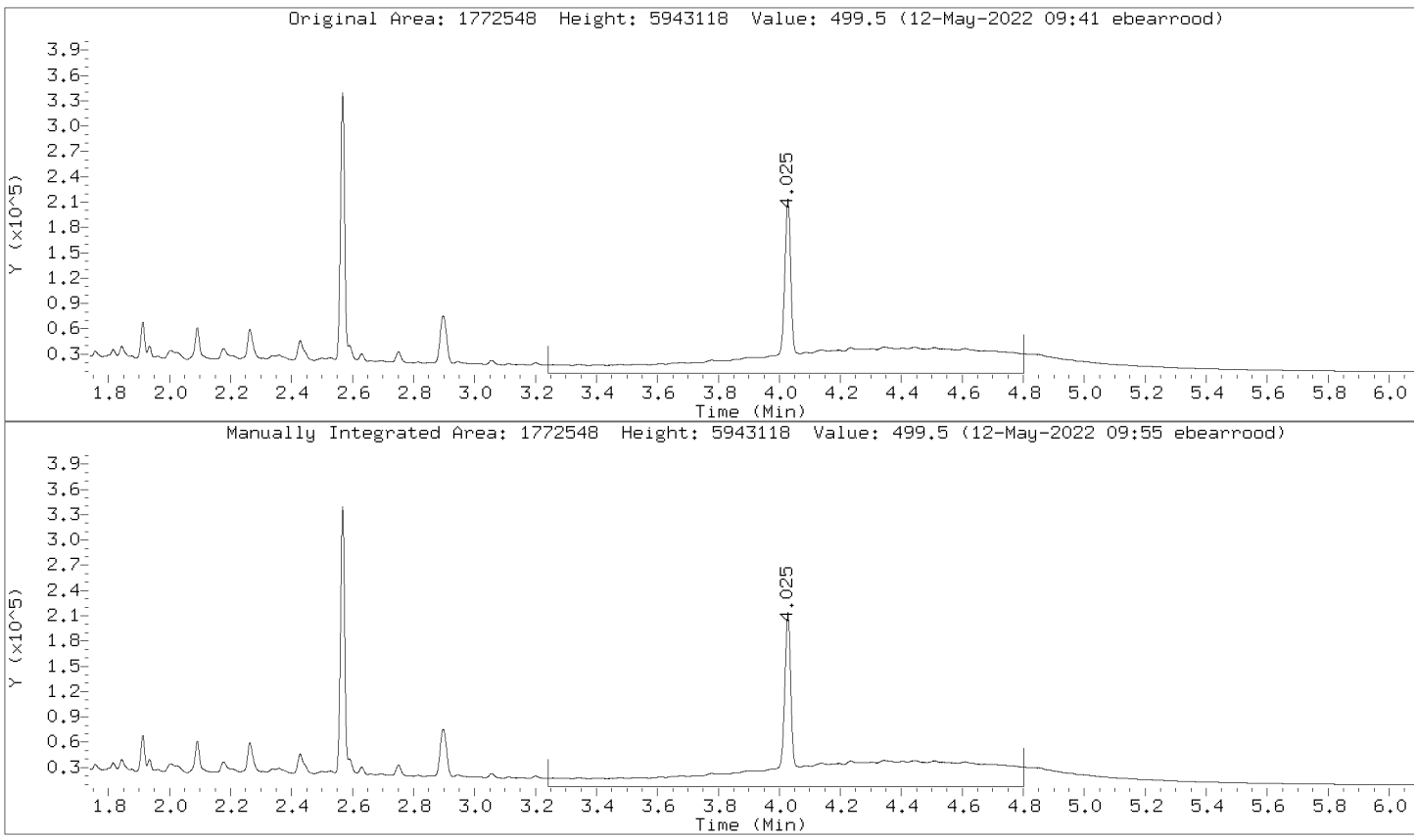
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000047.D
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



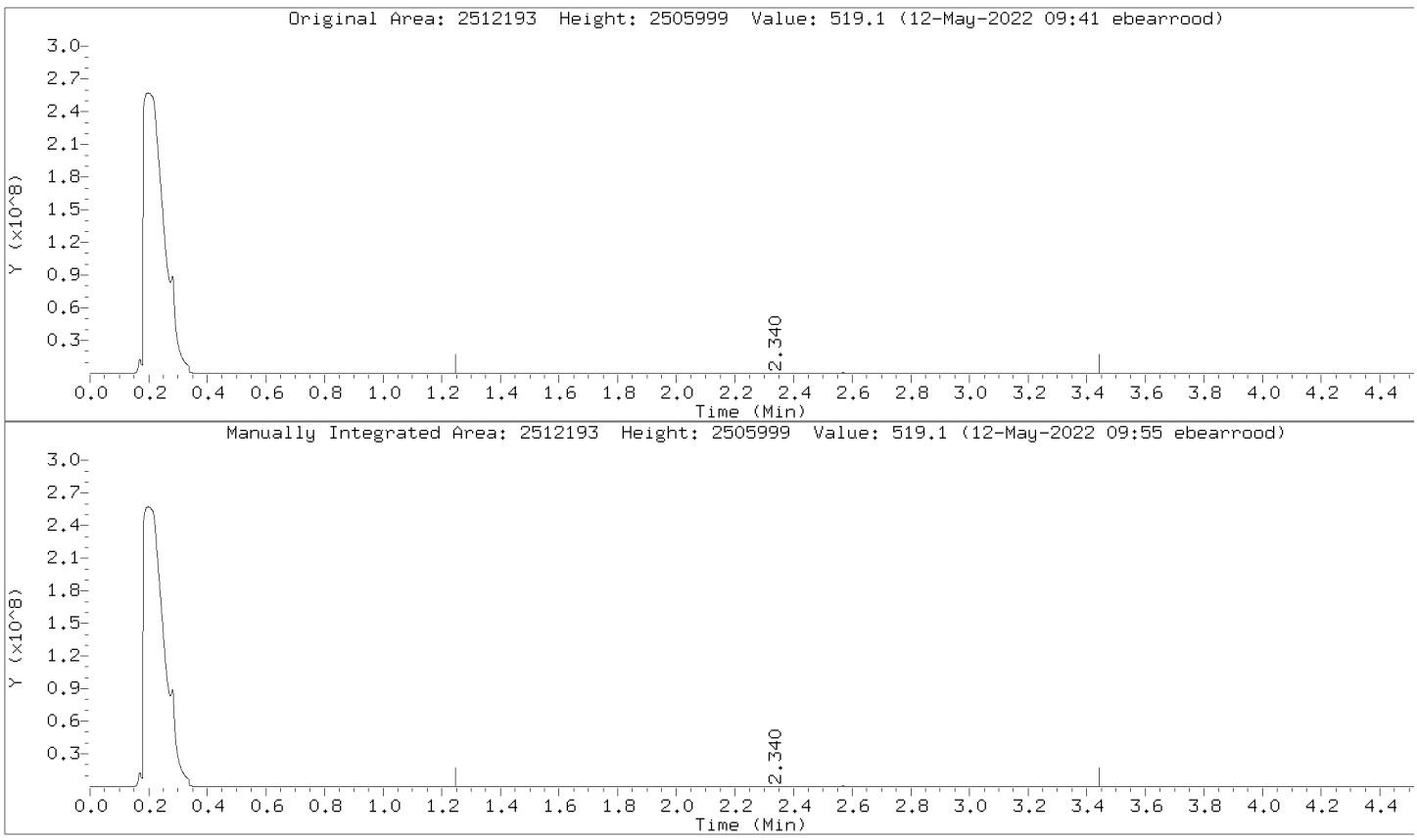
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000047.D
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



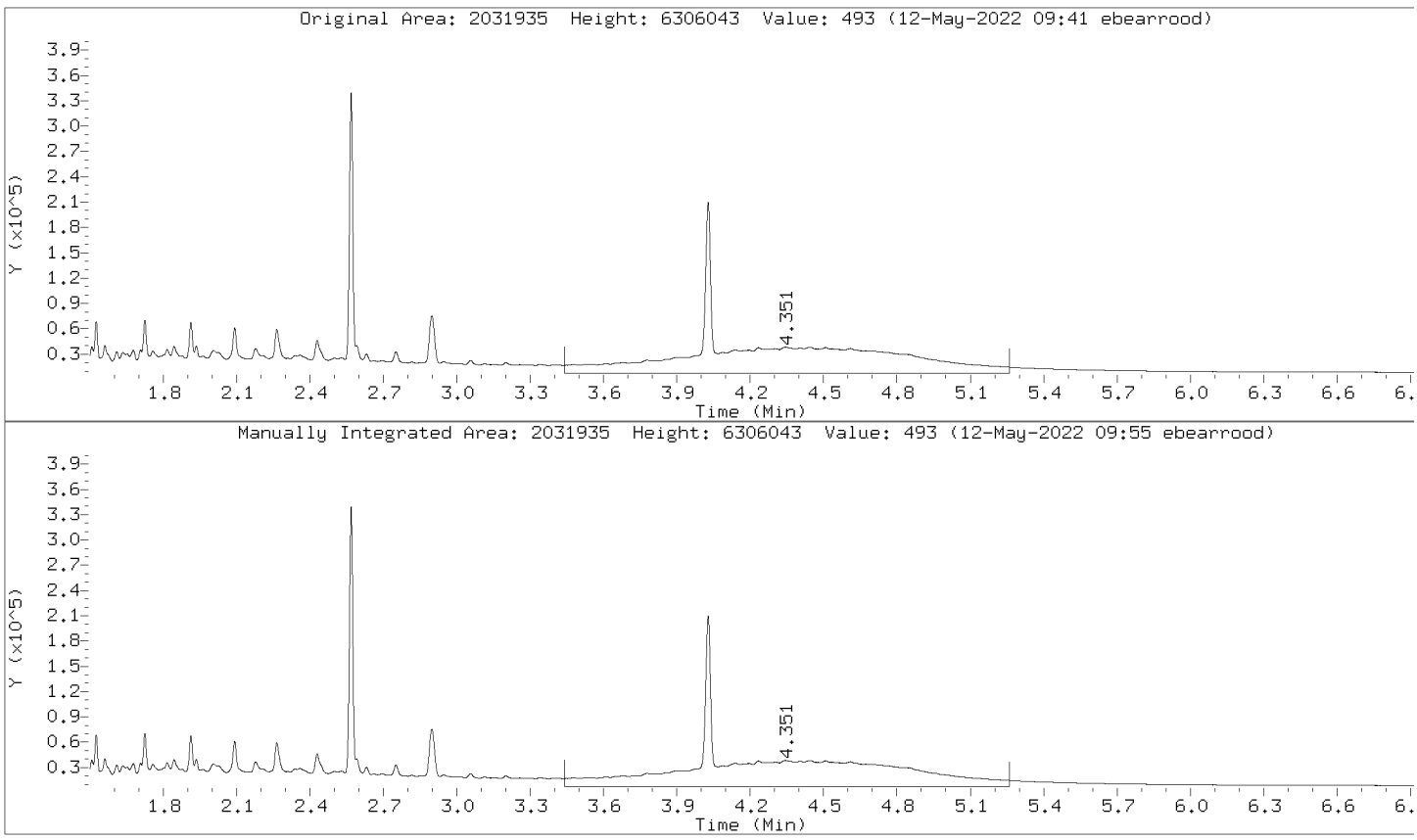
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000047.D
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



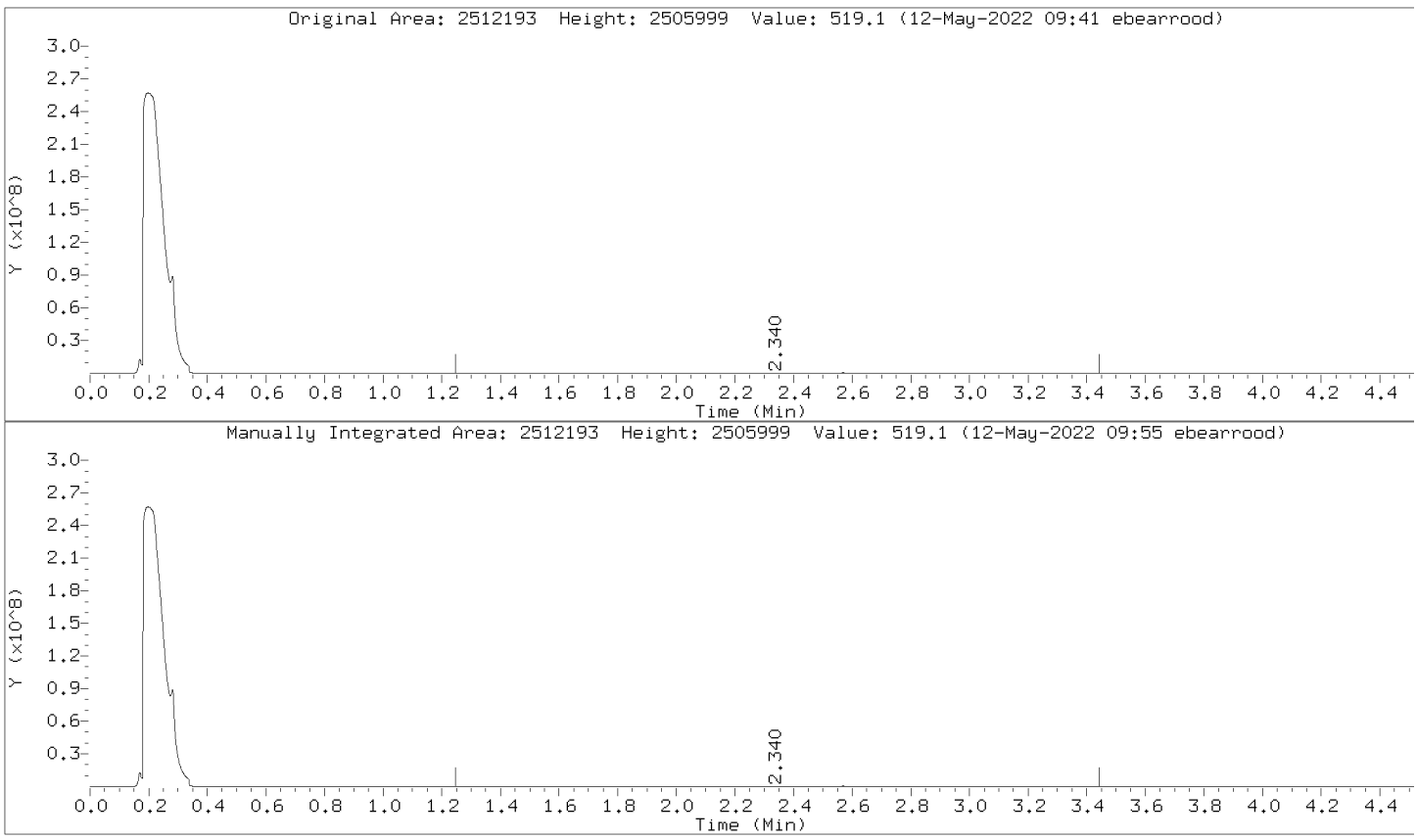
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000047.D
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



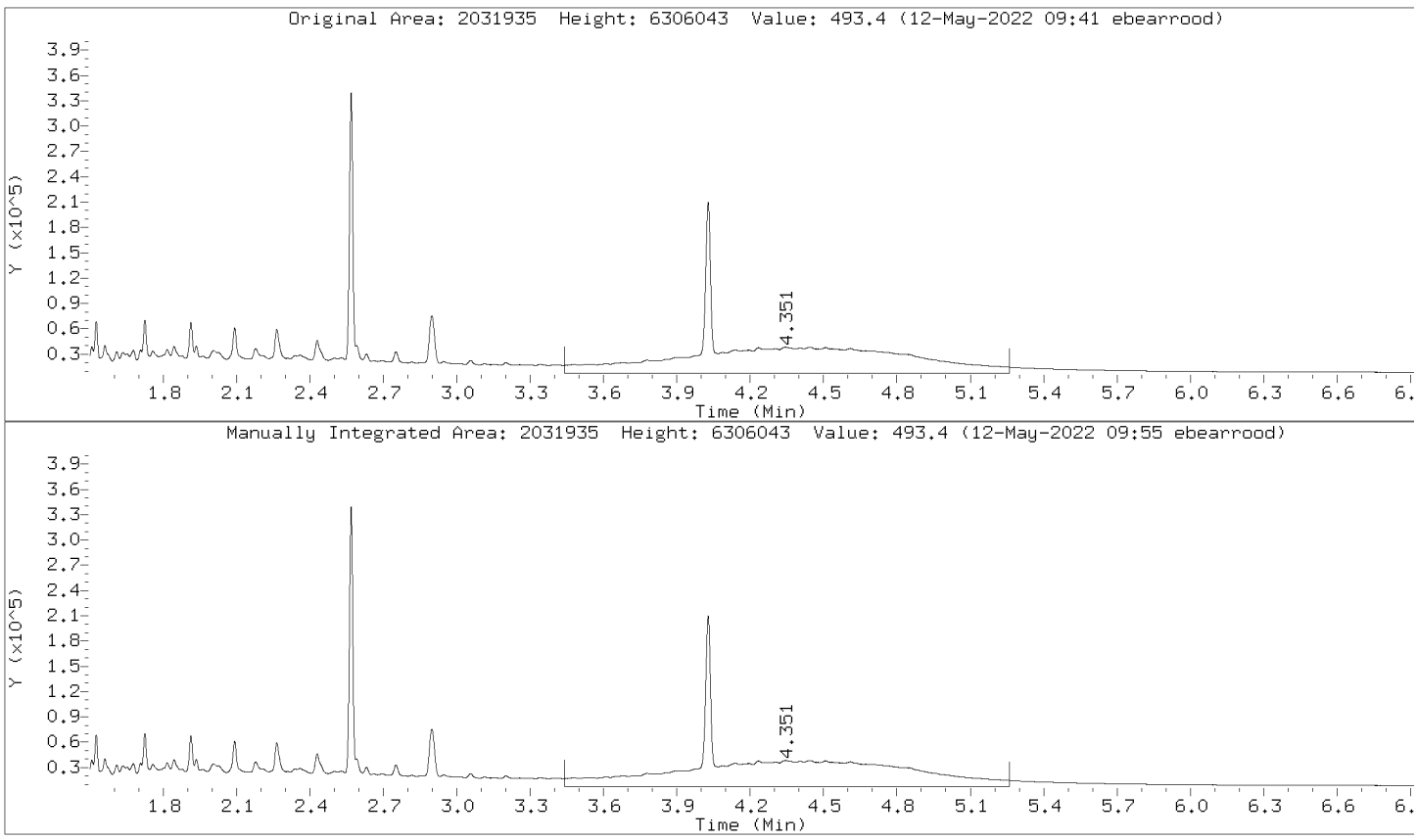
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000047.D
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



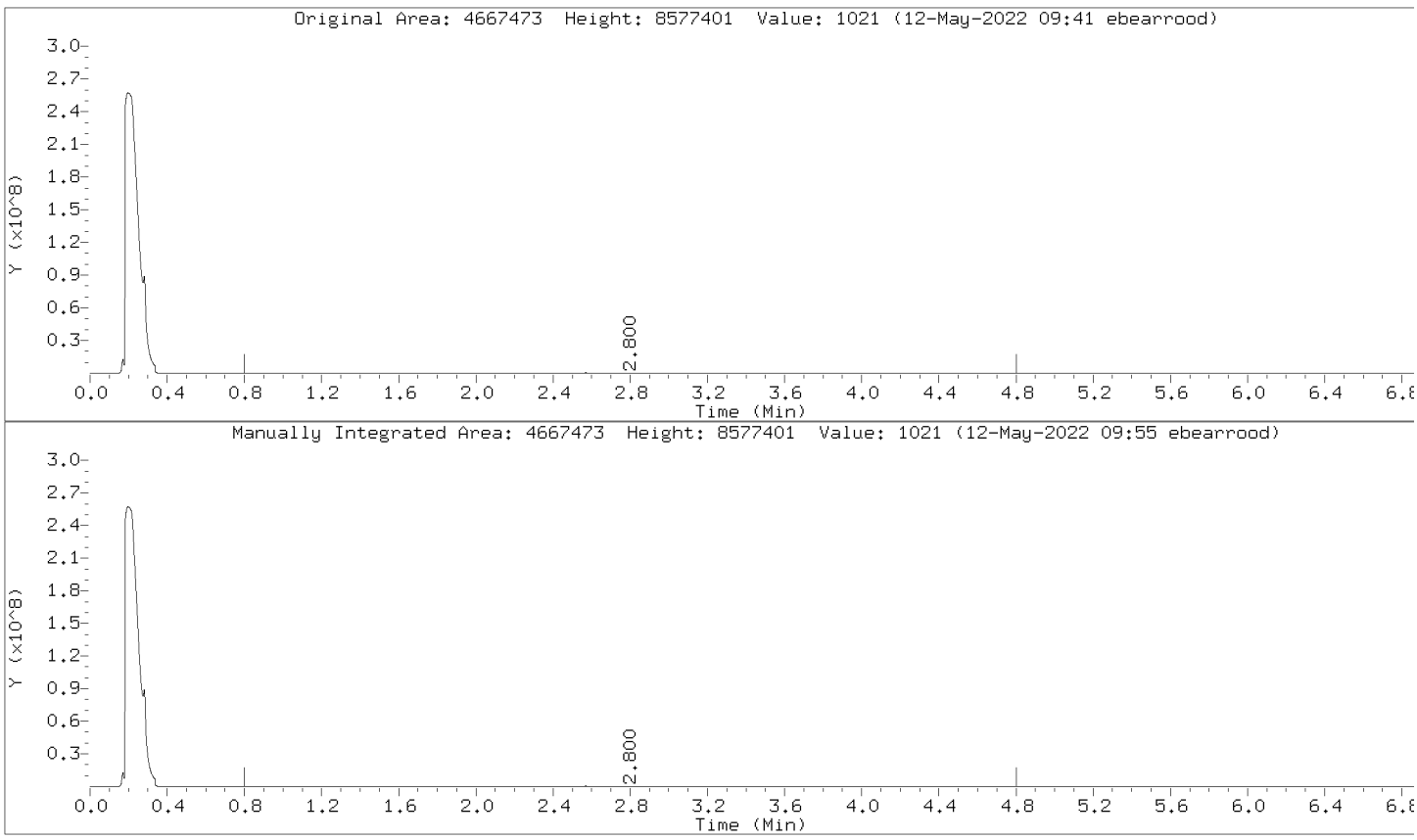
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000047.D
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



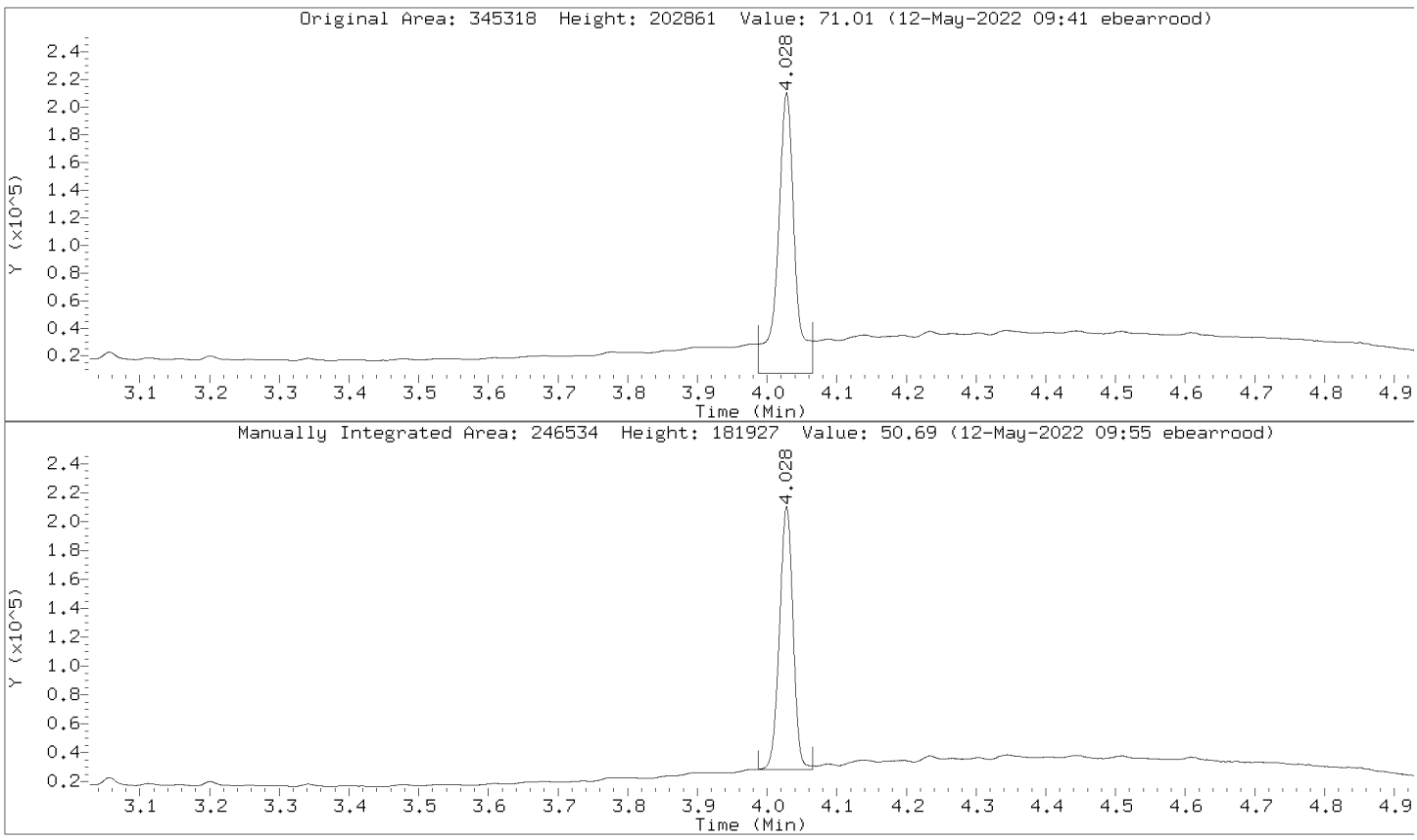
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000047.D
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: C10-C36 Review Code: RNG
CAS Number:



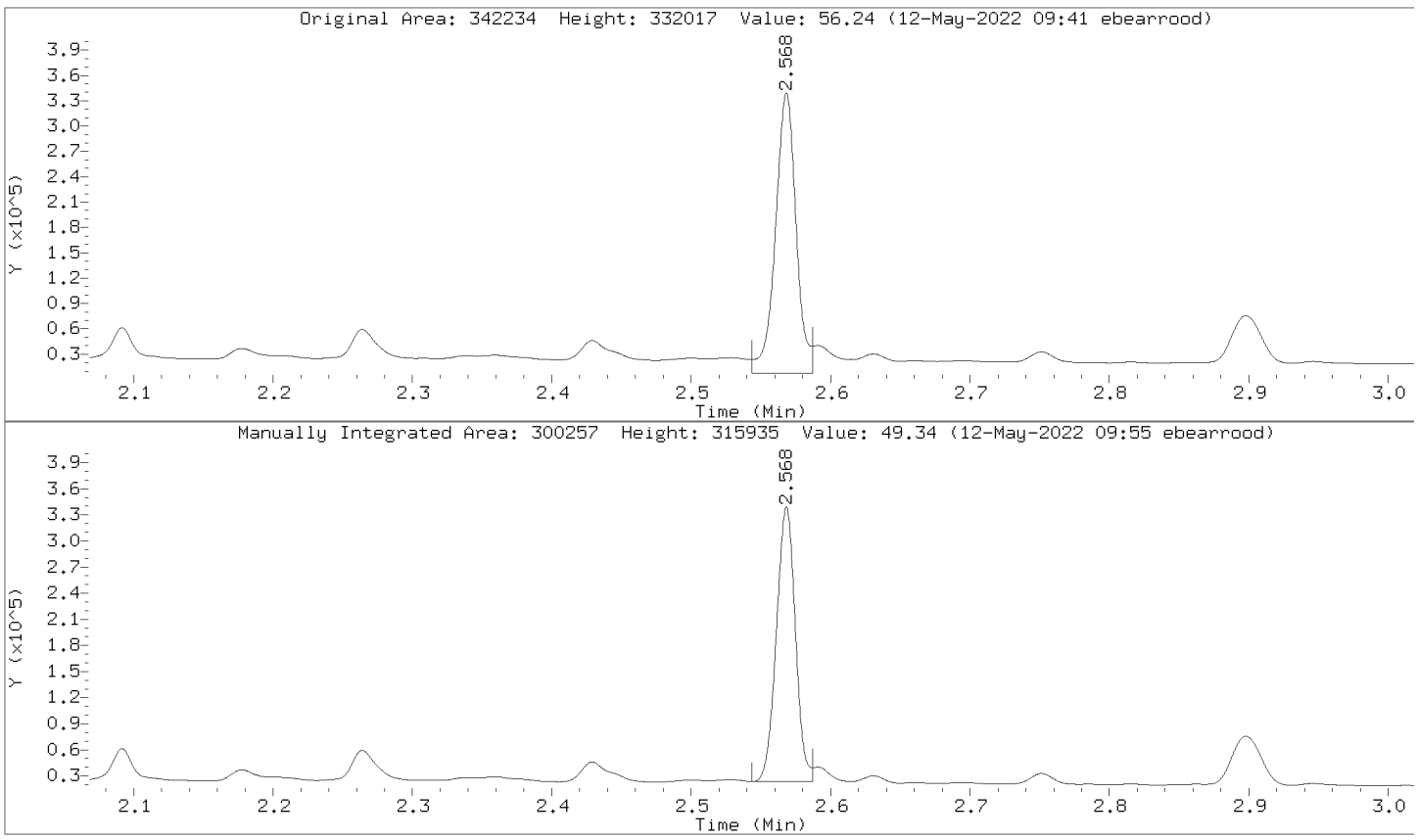
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000047.D
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000047.D
Injection Date: 11-MAY-2022 22:03
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1693388	1693388
DRO by AK 102	2974085	2974085
TPH-DRO (C10-C28)	3399339	3399339
Motor Oil Range (C24-C36)	1772548	1772548
Diesel Fuel Range	2512193	2512193
Motor Oil Range	2031935	2031935
Diesel Fuel Range SG	2512193	2512193
Motor Oil Range SG	2031935	2031935
C10-C36	4667473	4667473
n-Triacontane (S)	345318	246534
o-Terphenyl (S)	342234	300257

SAMPLE NO.

BLANK

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received:
Matrix: Water
SDG No.: 10606563
Date Extracted: 05/03/2022 18:24
Lab Sample ID: 4310138
Date Analyzed: 05/11/2022 20:55
Lab File ID: 051122F.B\0511F0000041.D
Initial wt/vol: 250 mL
Final wt/vol: 1 mL
Dilution: 1
Instrument: 10GCSF
Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/L	Q
68334-30-5	Diesel Fuel Range	ND	U
	Motor Oil Range	ND	U

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000041.D
Lab Smp Id: 4310138 Client Smp ID: MB
Inj Date : 11-MAY-2022 20:55
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 4310138
Misc Info : 39317
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 30 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: WATER
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf *Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Vo	250.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.568	2.568	0.000	240796	39.5679	158	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.026	4.028	-0.002	155717	32.0198	128	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		146496	8.19287	32.8	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		146496	8.66800	34.7	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		260183			(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		260183			(M)	RNG

QC Flag Legend

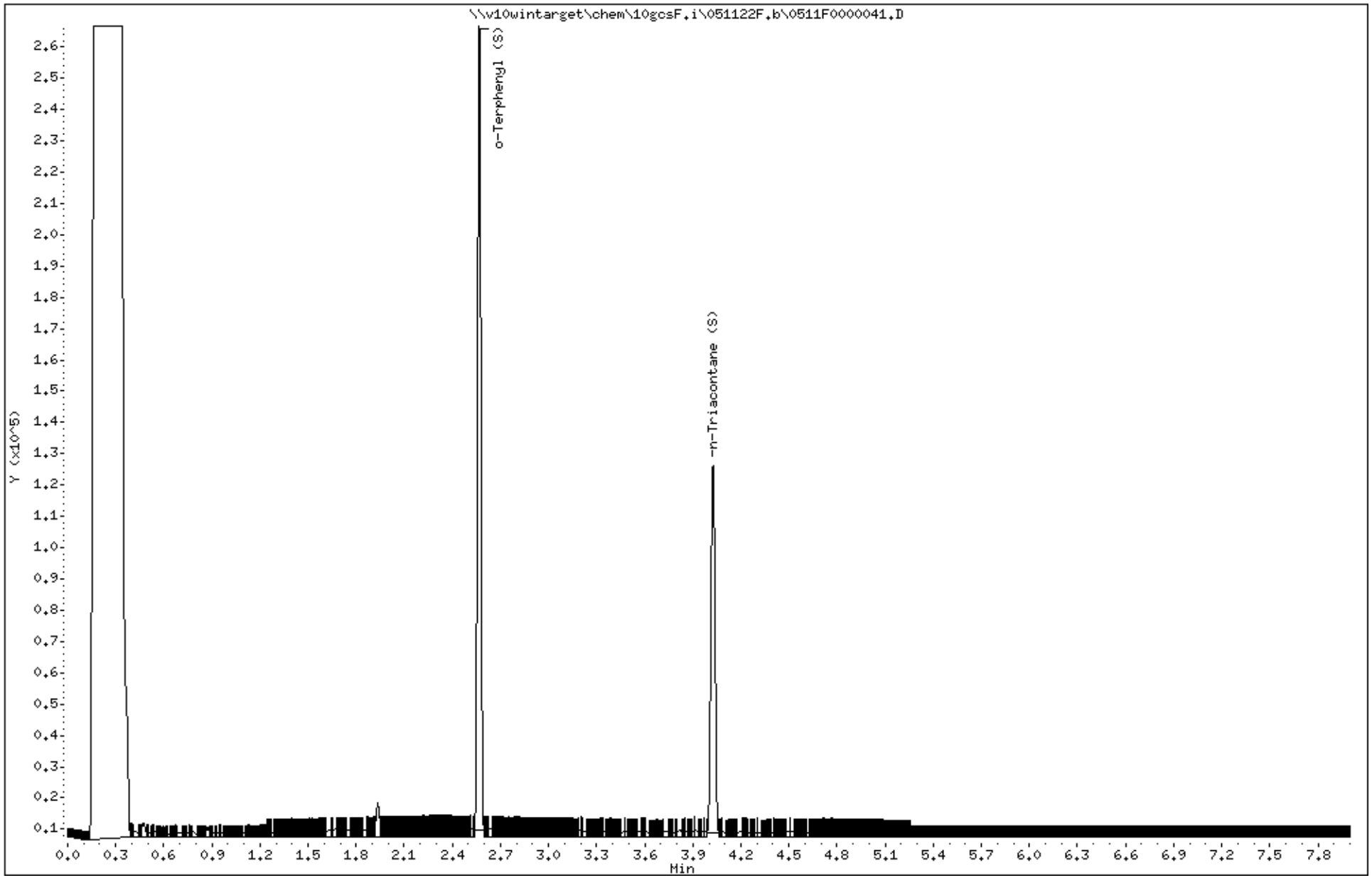
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000041.D
Date : 11-MAY-2022 20:55
Client ID: MB
Sample Info: 4310138
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

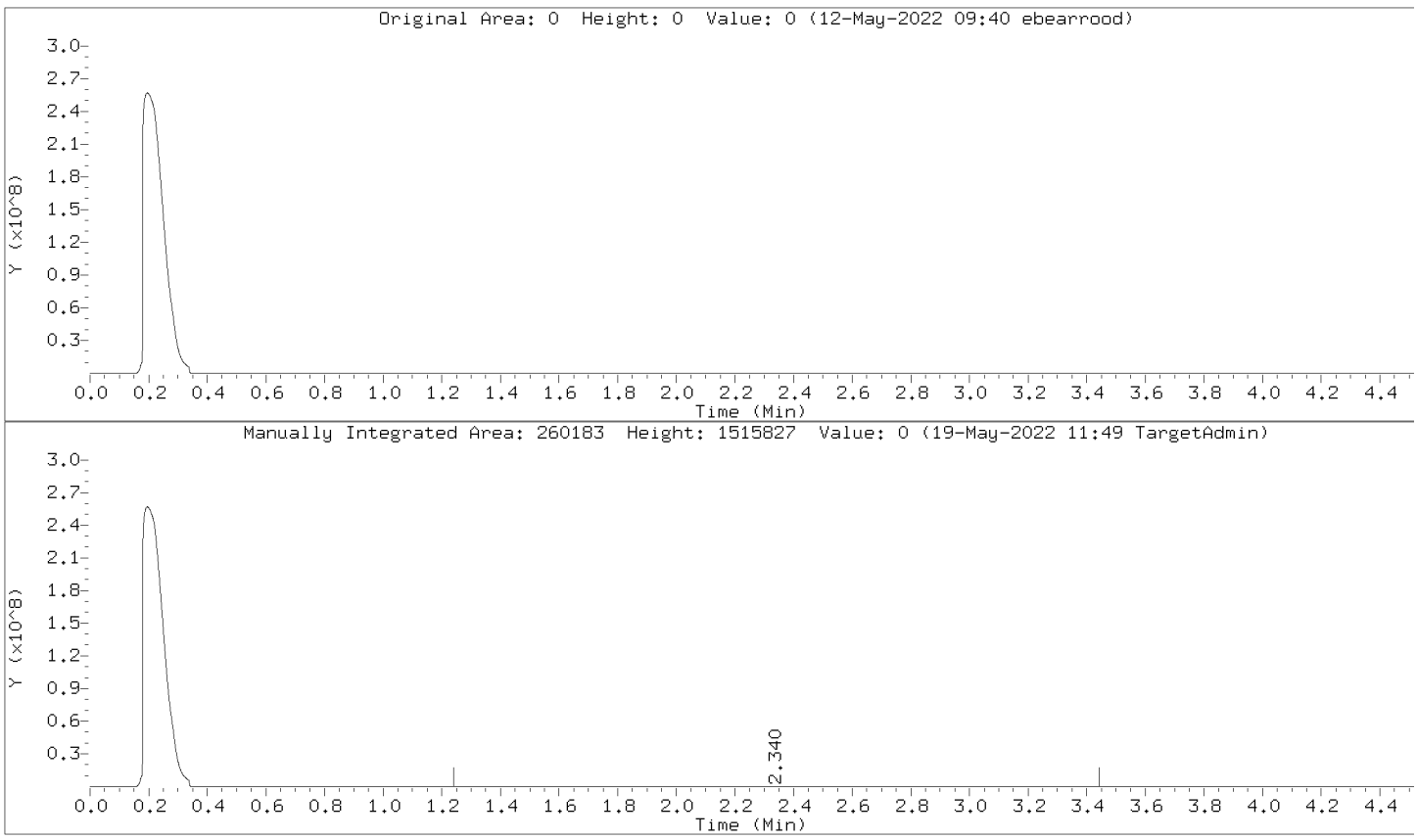
Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32



242 of 1139
215 of 653
10606563

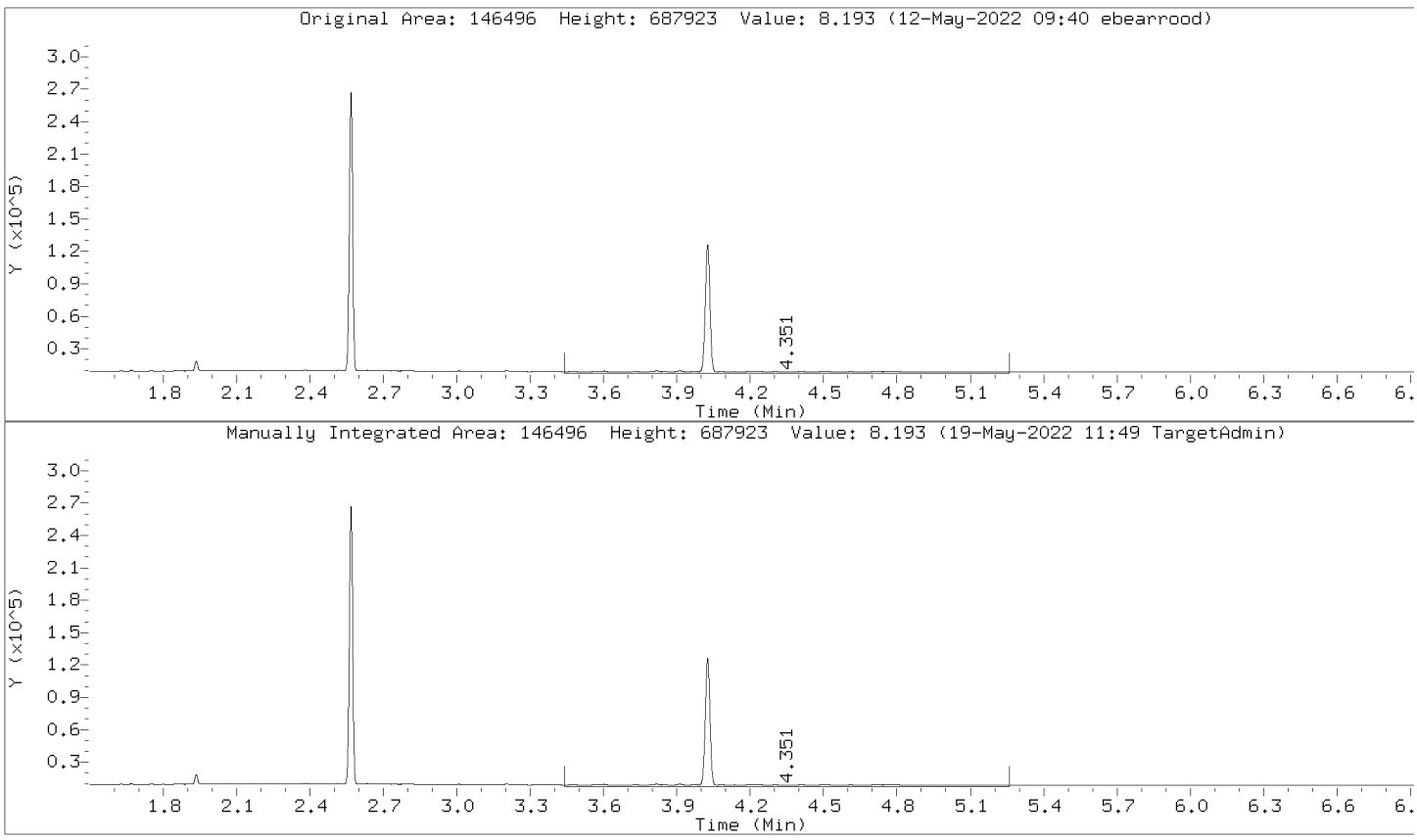
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000041.D
Injection Date: 11-MAY-2022 20:55
Instrument: 10gcsF.i
Lab Sample ID: 4310138

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



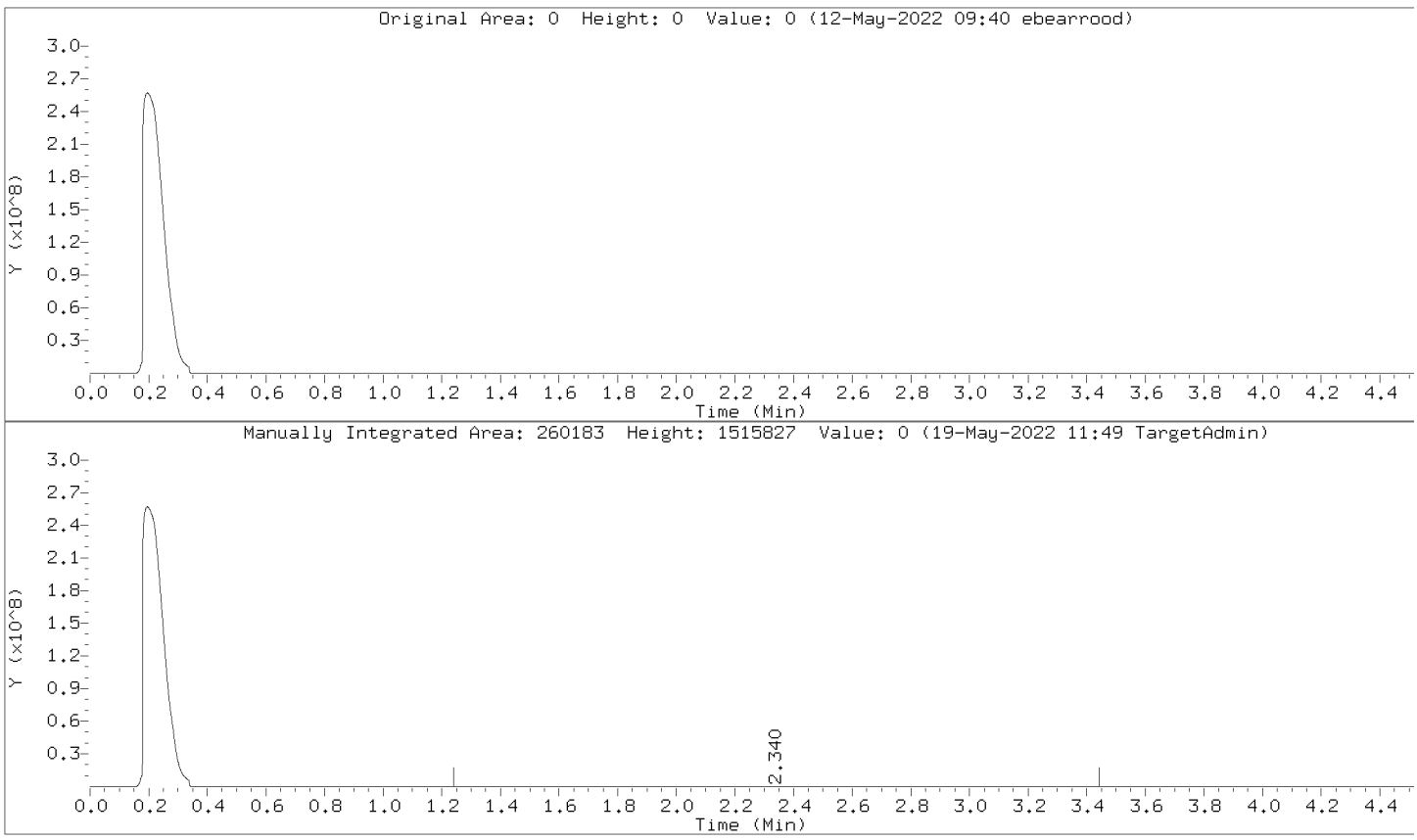
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000041.D
Injection Date: 11-MAY-2022 20:55
Instrument: 10gcsF.i
Lab Sample ID: 4310138

Compound: Motor Oil Range Review Code: RNG
CAS Number:



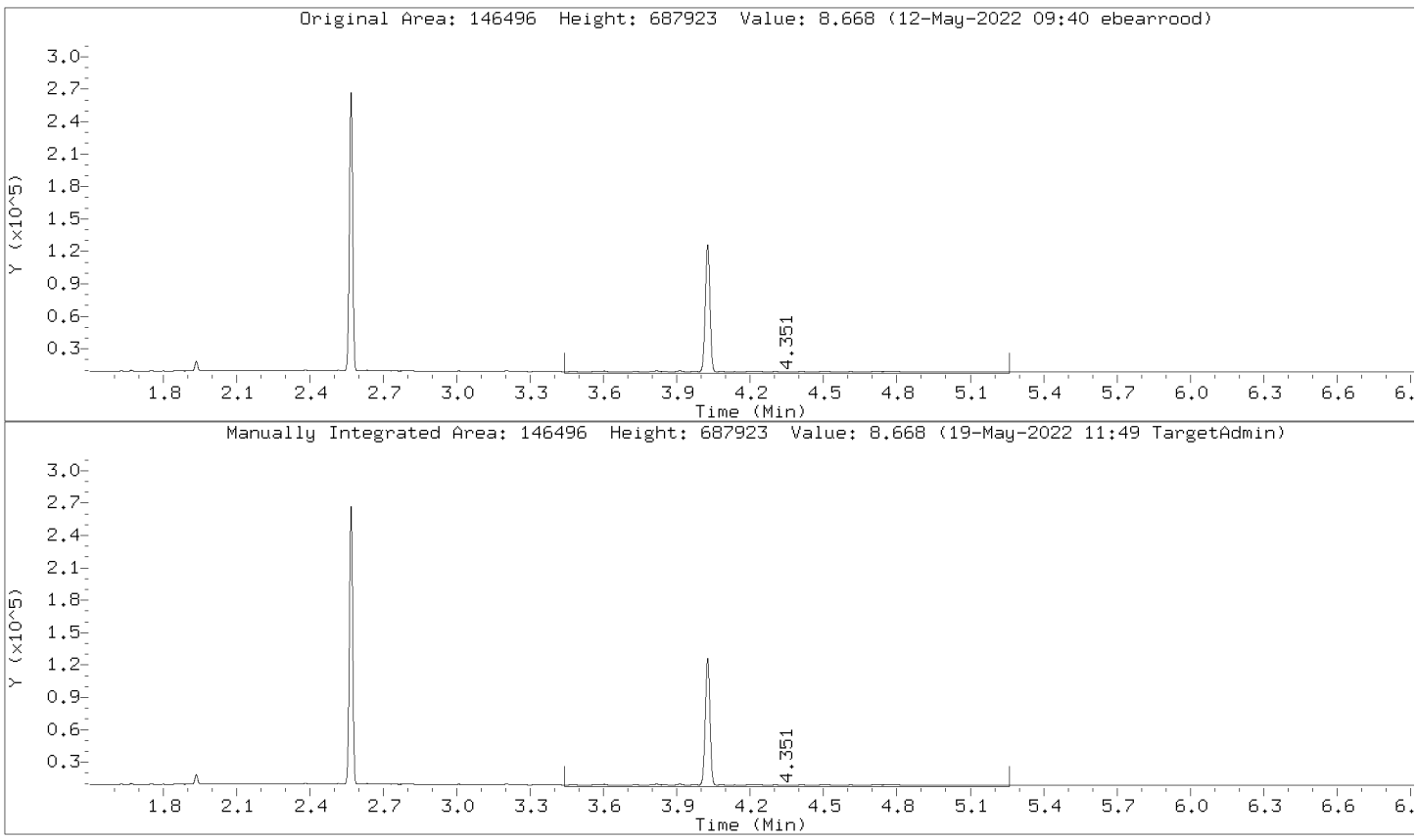
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000041.D
Injection Date: 11-MAY-2022 20:55
Instrument: 10gcsF.i
Lab Sample ID: 4310138

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



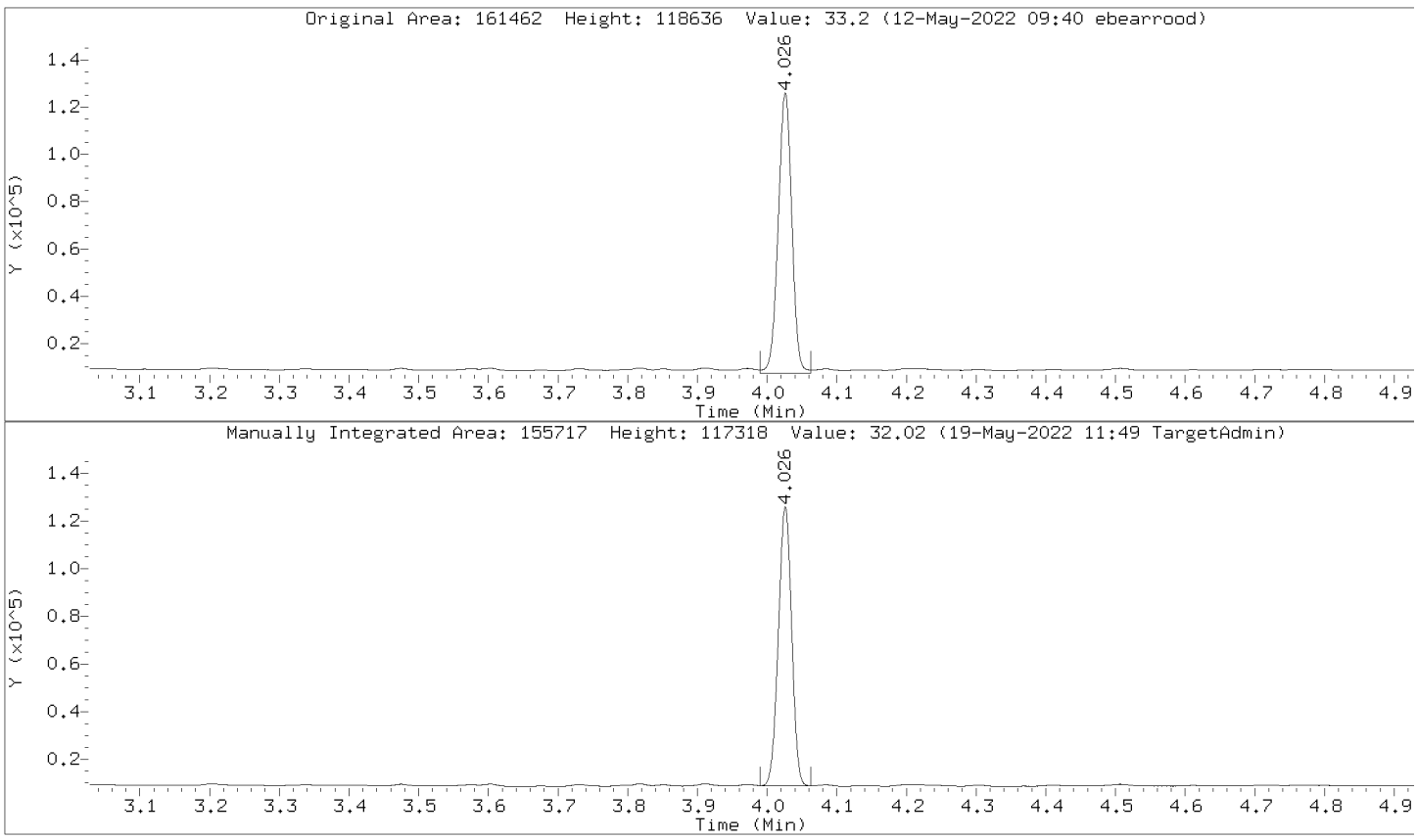
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000041.D
Injection Date: 11-MAY-2022 20:55
Instrument: 10gcsF.i
Lab Sample ID: 4310138

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



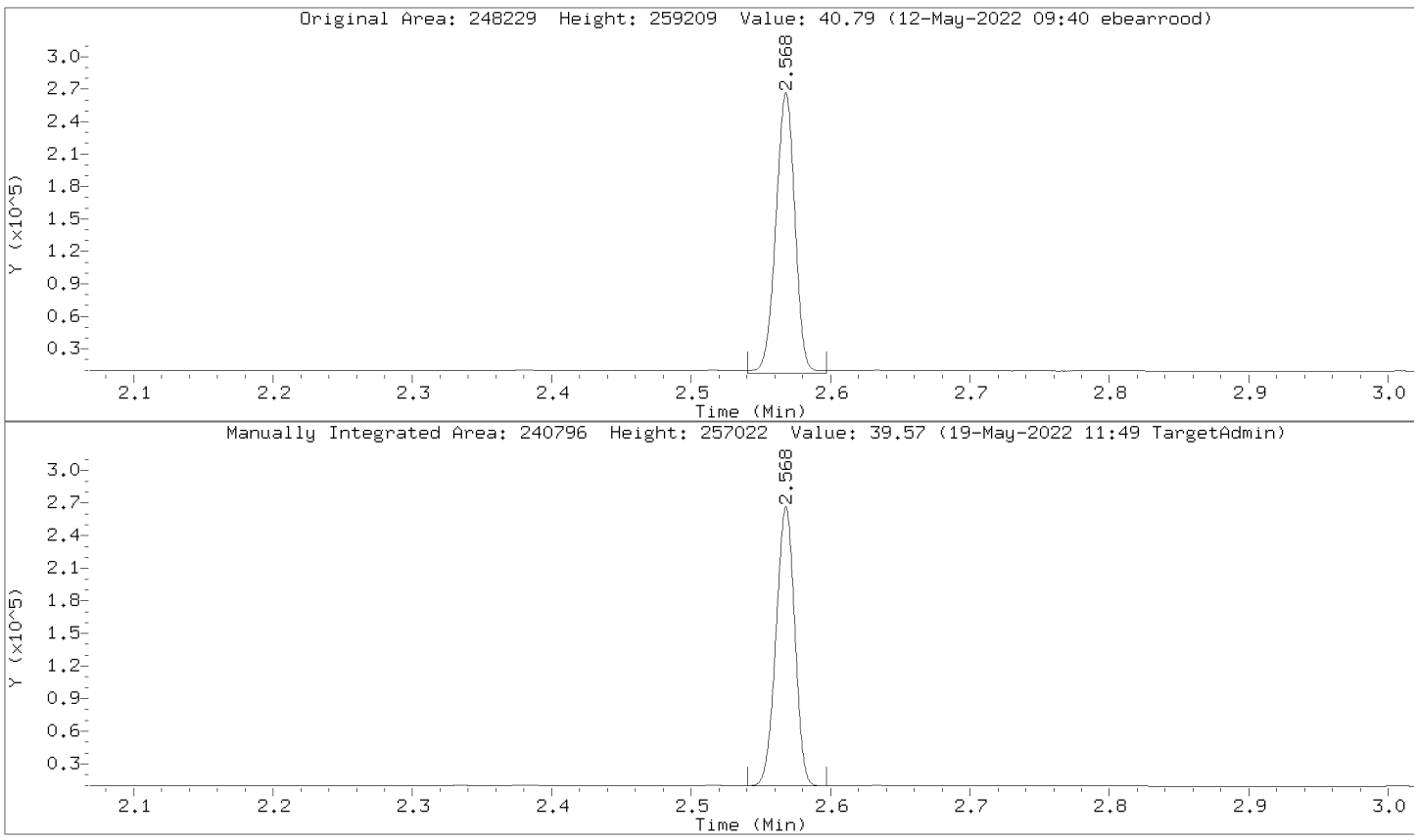
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000041.D
Injection Date: 11-MAY-2022 20:55
Instrument: 10gcsF.i
Lab Sample ID: 4310138

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000041.D
Injection Date: 11-MAY-2022 20:55
Instrument: 10gcsF.i
Lab Sample ID: 4310138

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	0	260183
Motor Oil Range	146496	146496
Diesel Fuel Range SG	0	260183
Motor Oil Range SG	146496	146496
n-Triacontane (S)	161462	155717
o-Terphenyl (S)	248229	240796

SAMPLE NO.

LCS

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received:
Matrix: Water
SDG No.: 10606563
Date Extracted: 05/03/2022 18:24
Lab Sample ID: 4310139
Date Analyzed: 05/11/2022 21:07
Lab File ID: 051122F.B\0511F0000042.D
Initial wt/vol: 250 mL
Final wt/vol: 1 mL
Dilution: 1
Instrument: 10GCSF
Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/L	Q
68334-30-5	Diesel Fuel Range	1.4	
	Motor Oil Range	1.5	

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000042.D
Lab Smp Id: 4310139 Client Smp ID: MBLCS
Inj Date : 11-MAY-2022 21:07
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 4310139
Misc Info : 39317
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 31 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: WATER
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf *Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Vo	250.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.567	2.568	-0.001	239596	39.3707	157	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.026	4.028	-0.002	157411	32.3681	129	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		1614131	385.577	1540	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		1614131	385.986	1540	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		1787902	351.884	1410	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		1787902	351.884	1410	(M)	RNG

QC Flag Legend

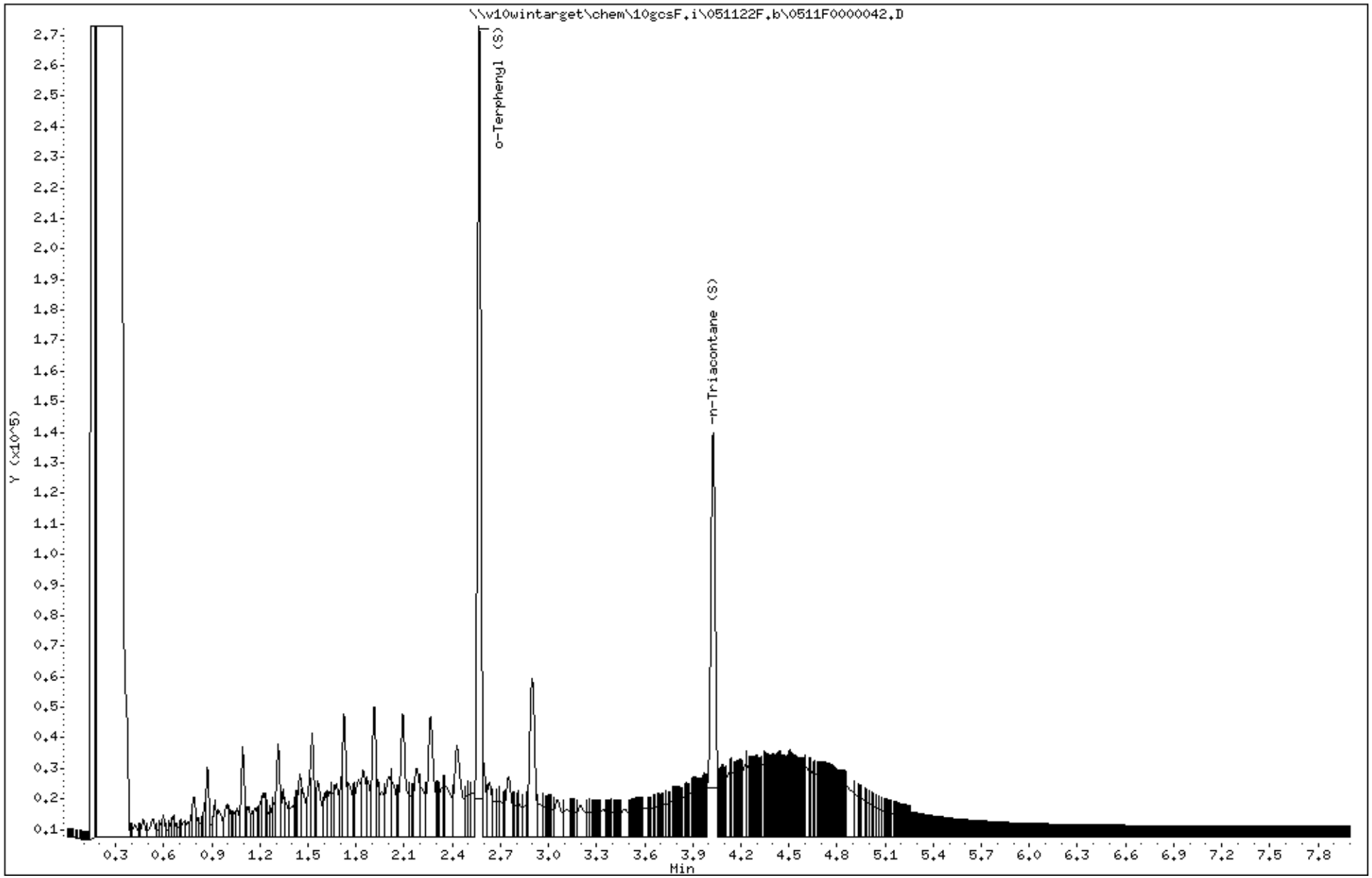
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000042.D
Date : 11-MAY-2022 21:07
Client ID: MBLCS
Sample Info: 4310139
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32



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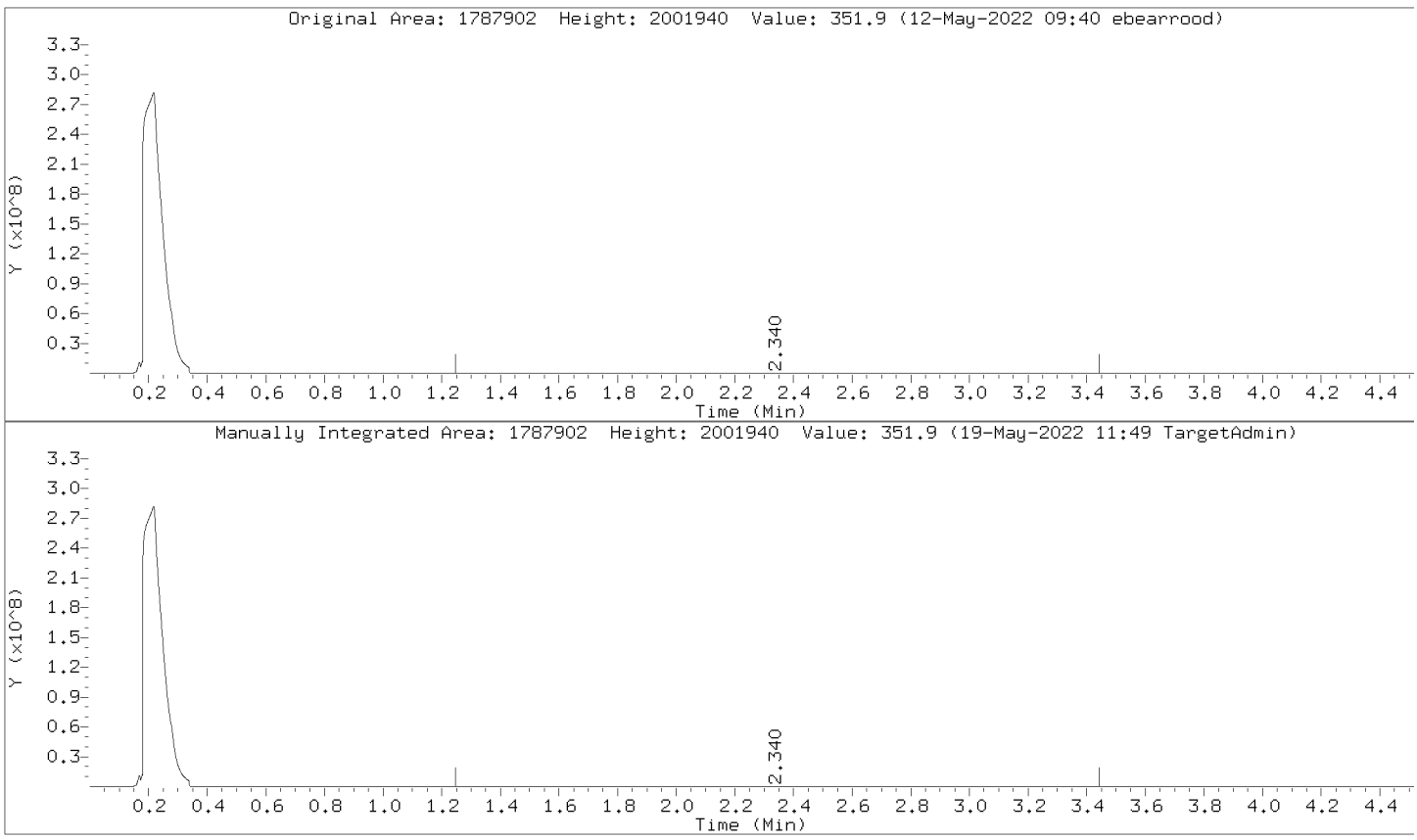
225 of 653
10606563

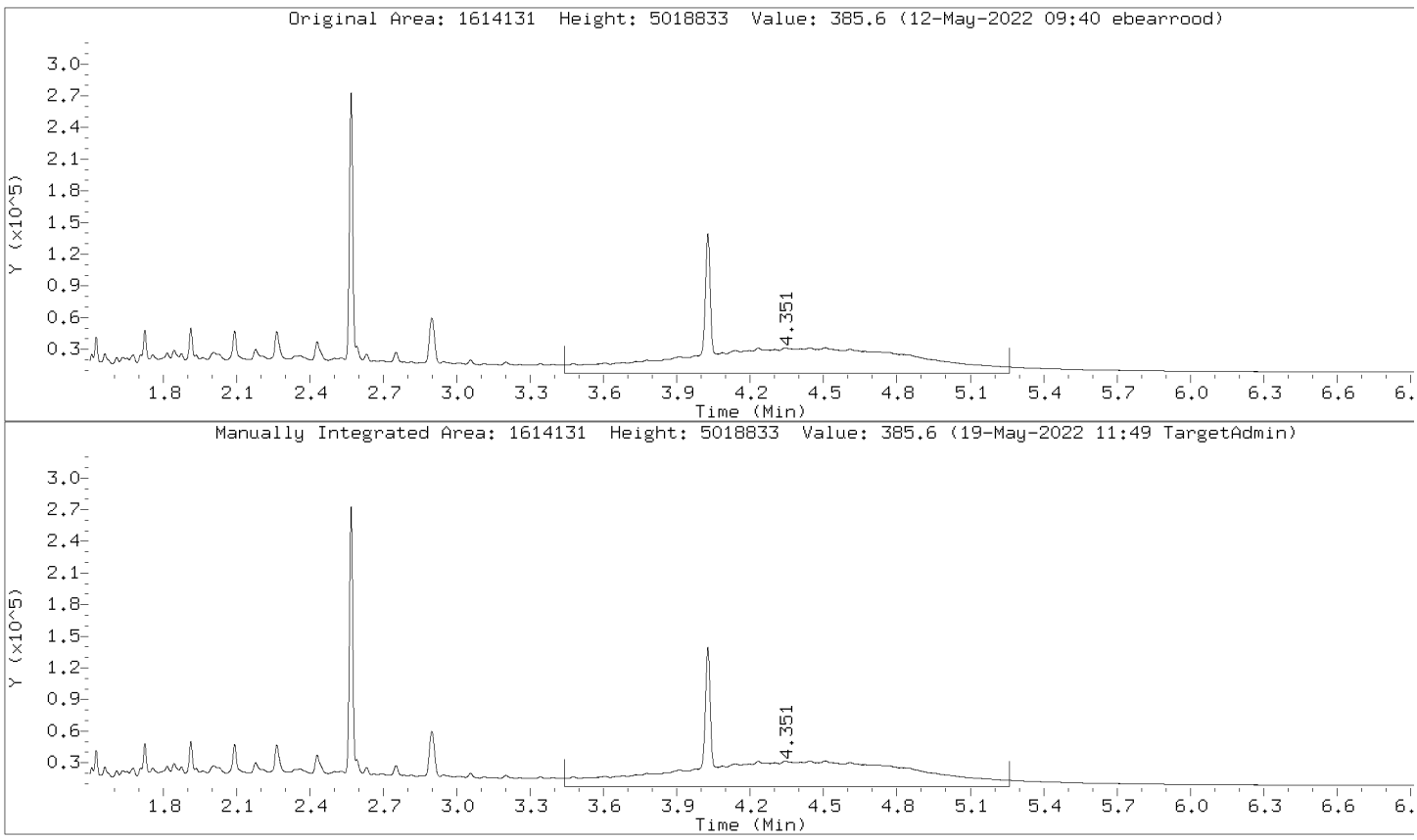
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000042.D
Injection Date: 11-MAY-2022 21:07
Instrument: 10gcsF.i
Lab Sample ID: 4310139

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



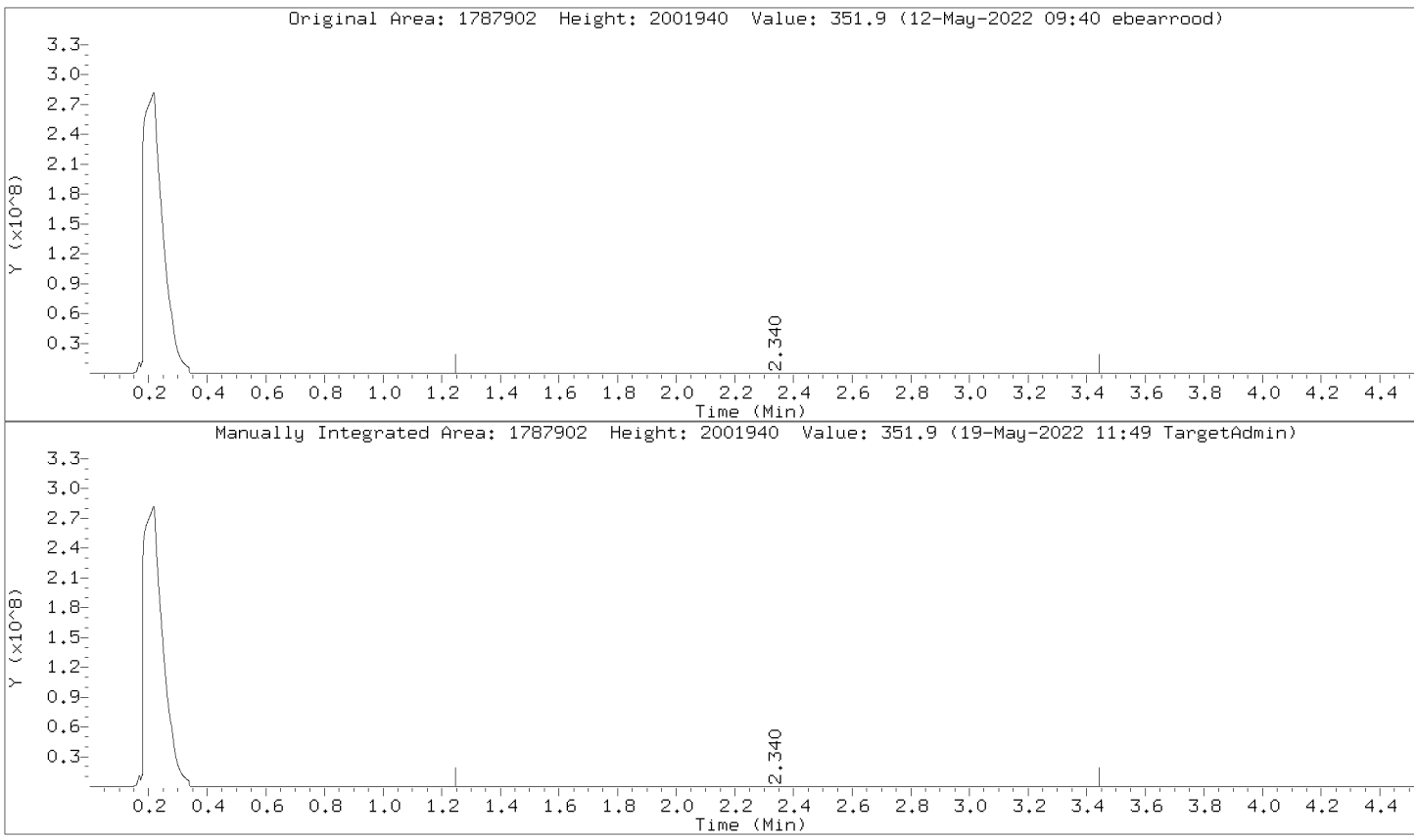
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000042.D
Injection Date: 11-MAY-2022 21:07
Instrument: 10gcsF.i
Lab Sample ID: 4310139

Compound: Motor Oil Range Review Code: RNG
CAS Number:



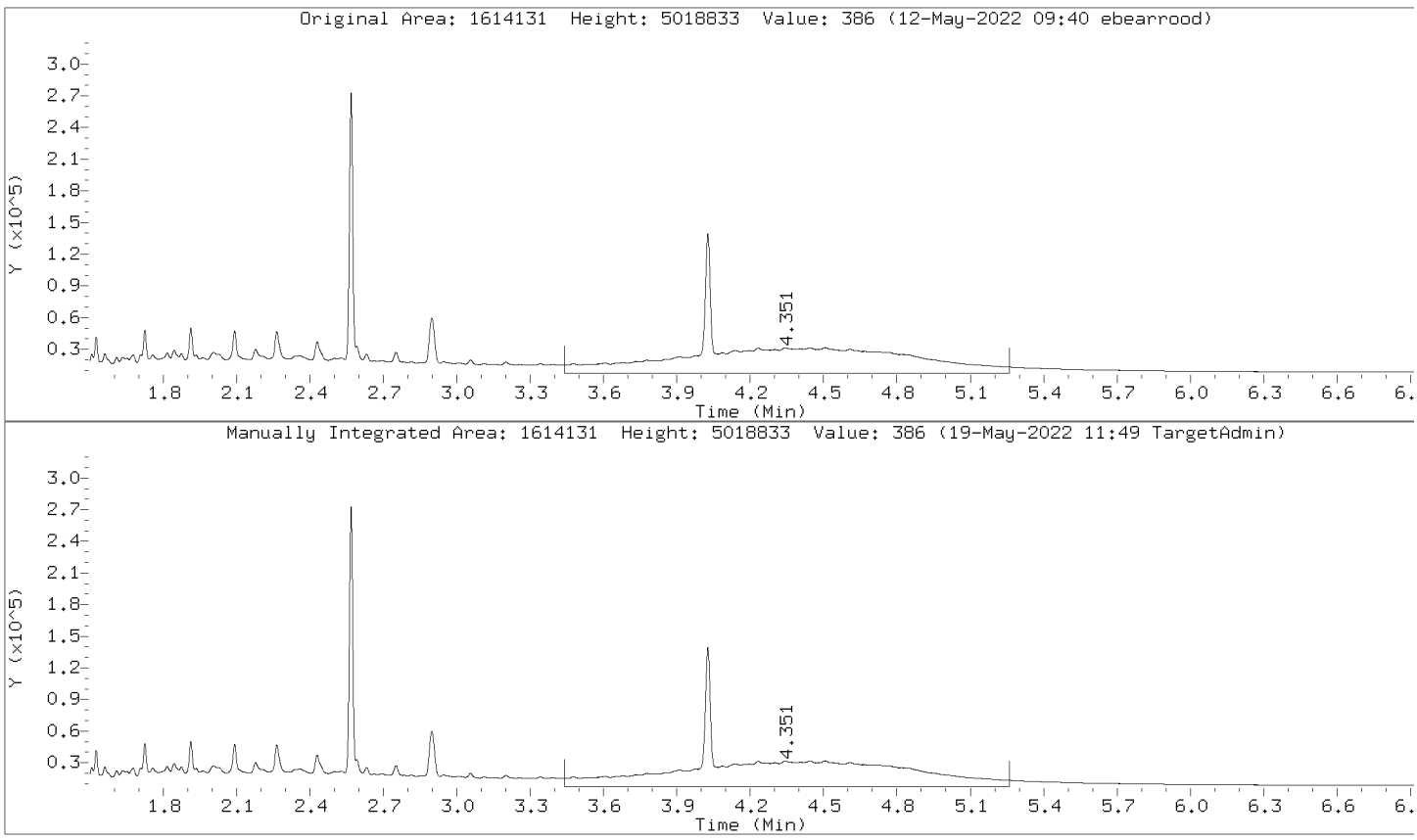
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000042.D
Injection Date: 11-MAY-2022 21:07
Instrument: 10gcsF.i
Lab Sample ID: 4310139

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



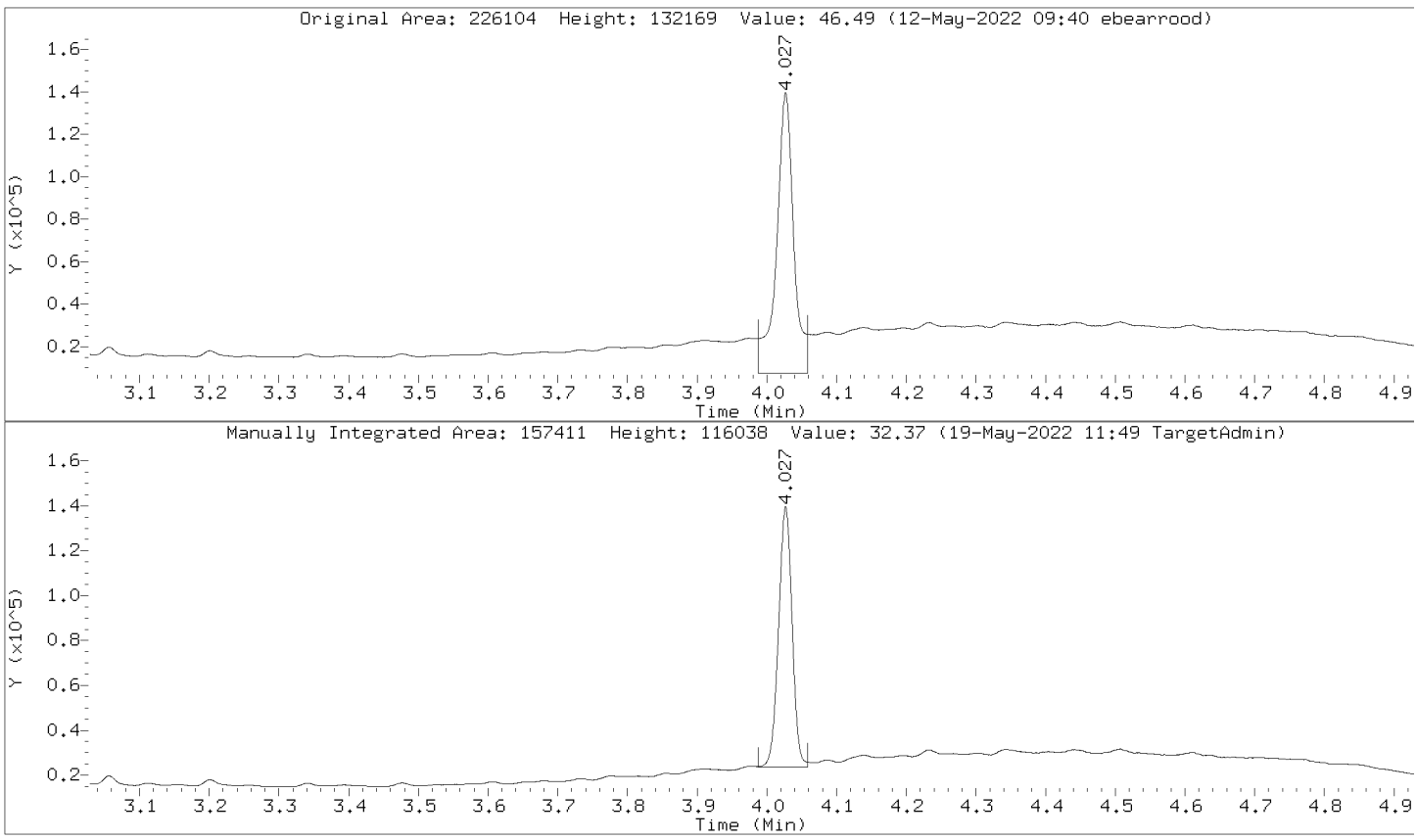
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000042.D
Injection Date: 11-MAY-2022 21:07
Instrument: 10gcsF.i
Lab Sample ID: 4310139

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



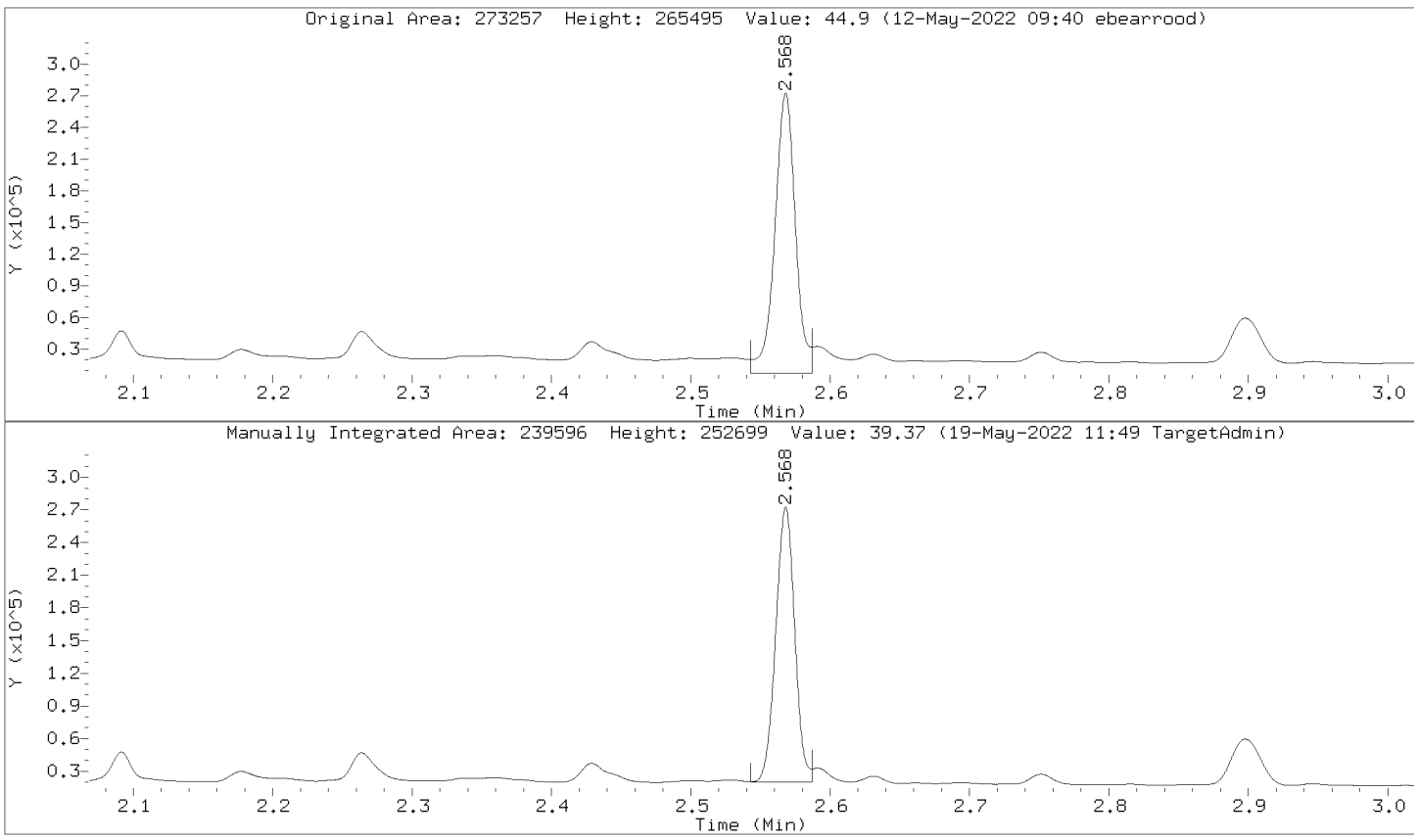
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000042.D
Injection Date: 11-MAY-2022 21:07
Instrument: 10gcsF.i
Lab Sample ID: 4310139

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000042.D
Injection Date: 11-MAY-2022 21:07
Instrument: 10gcsF.i
Lab Sample ID: 4310139

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	1787902	1787902
Motor Oil Range	1614131	1614131
Diesel Fuel Range SG	1787902	1787902
Motor Oil Range SG	1614131	1614131
n-Triacontane (S)	226104	157411
o-Terphenyl (S)	273257	239596

SAMPLE NO.

LCSD

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota Contract: D3593500
Date Received: Matrix: Water SDG No.: 10606563
Date Extracted: 05/03/2022 18:24 Lab Sample ID: 4310140
Date Analyzed: 05/11/2022 21:18 Lab File ID: 051122F.B\0511F0000043.D
Initial wt/vol: 250 mL Final wt/vol: 1 mL Dilution: 1 Instrument: 10GCSF Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/L	Q
68334-30-5	Diesel Fuel Range	1.7	
	Motor Oil Range	1.8	

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000043.D
Lab Smp Id: 4310140 Client Smp ID: MBLCSD
Inj Date : 11-MAY-2022 21:18
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 4310140
Misc Info : 39317
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 32 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: WATER
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf *Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Vo	250.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.568	2.568	0.000	272118	44.7148	179	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.027	4.028	-0.001	179168	36.8420	147	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		1856349	447.861	1790	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		1856349	448.258	1790	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		2070407	417.104	1670	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		2070407	417.104	1670	(M)	RNG

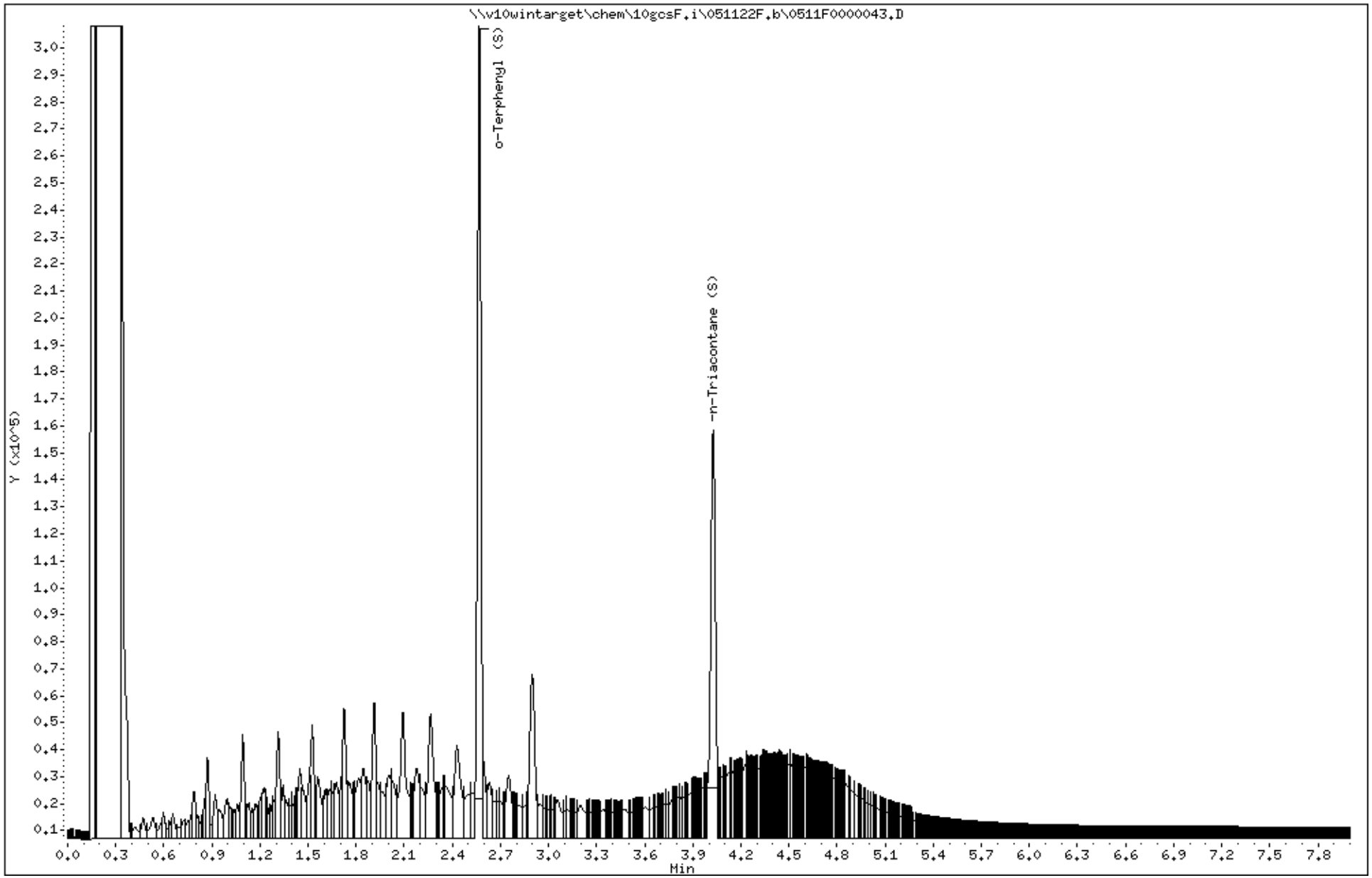
QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

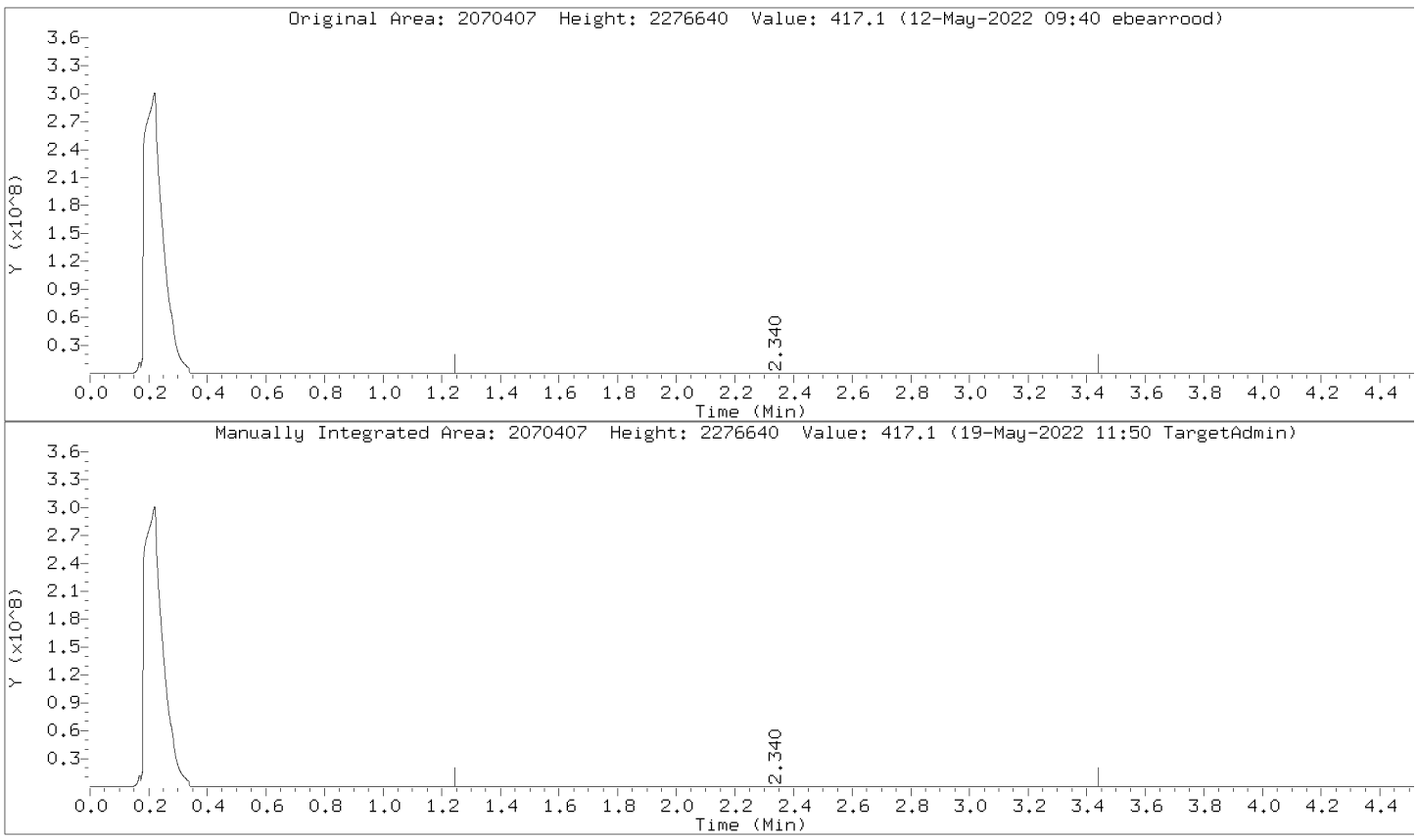
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000043.D
Date : 11-MAY-2022 21:18
Client ID: MBLCSD
Instrument: 10gcsF.i
Sample Info: 4310140
Volume Injected (uL): 1.0
Operator: EB3
Column phase: DB-5-US21390001
Column diameter: 0.32



262 of 1139
235 of 653
10606563

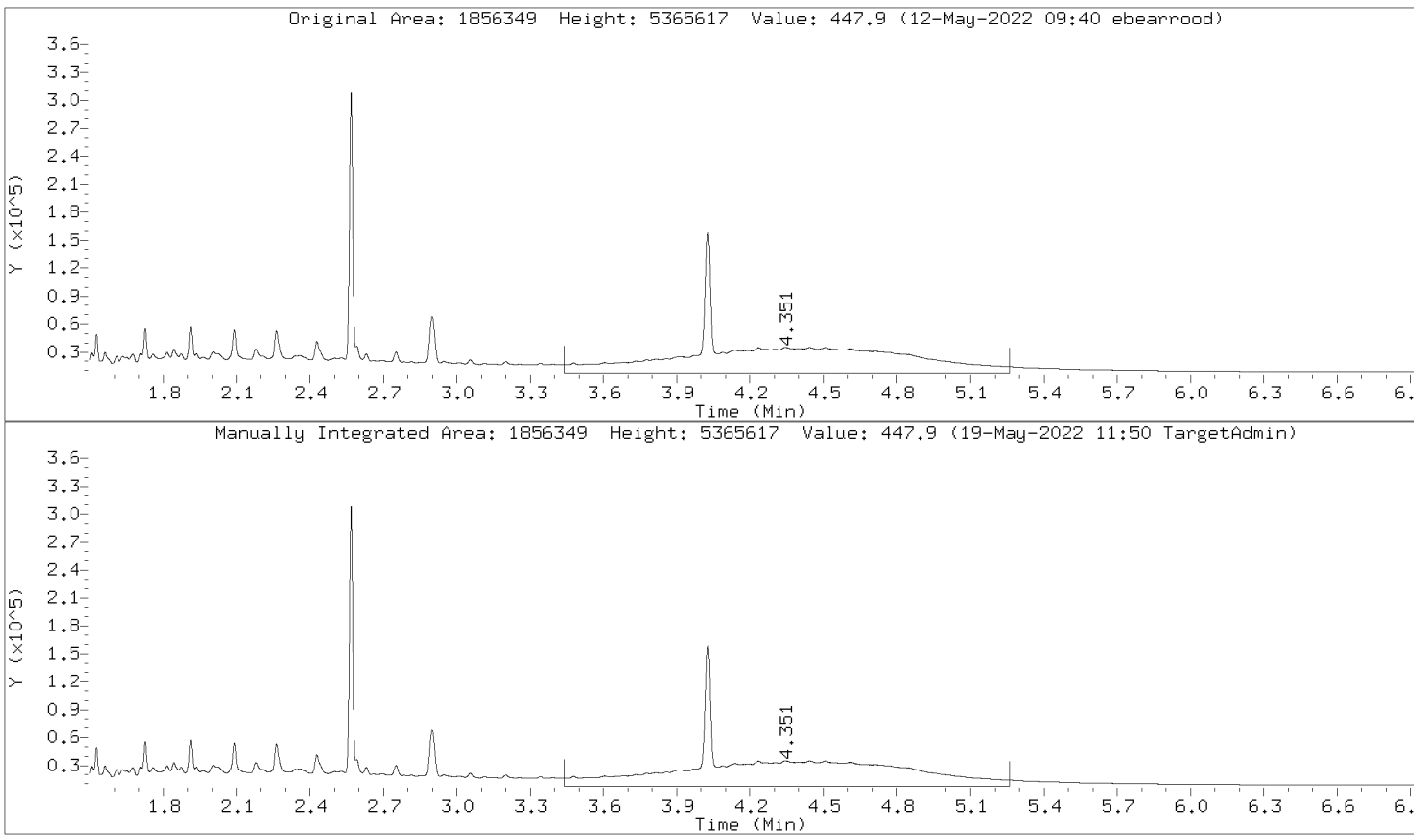
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000043.D
Injection Date: 11-MAY-2022 21:18
Instrument: 10gcsF.i
Lab Sample ID: 4310140

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



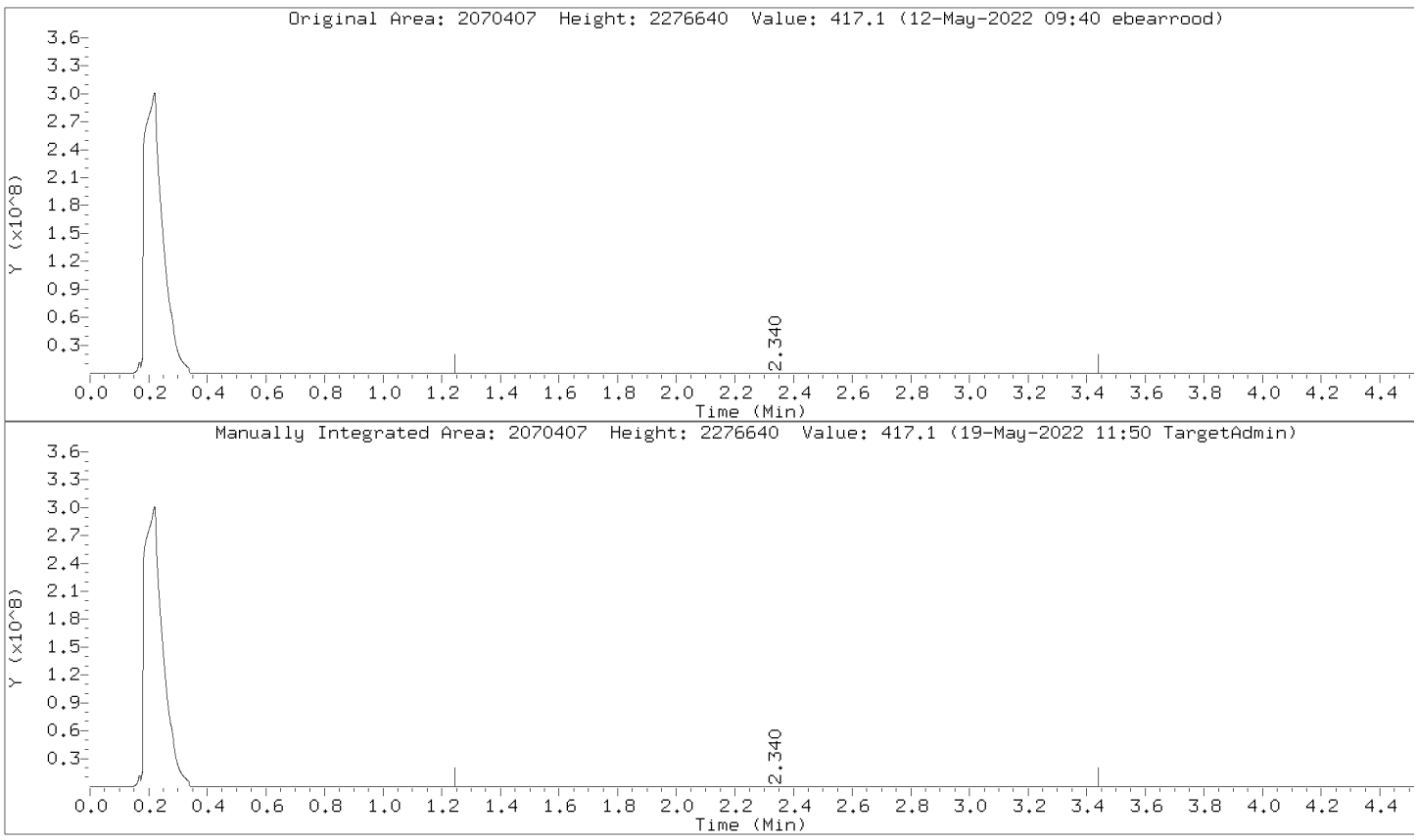
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000043.D
Injection Date: 11-MAY-2022 21:18
Instrument: 10gcsF.i
Lab Sample ID: 4310140

Compound: Motor Oil Range Review Code: RNG
CAS Number:



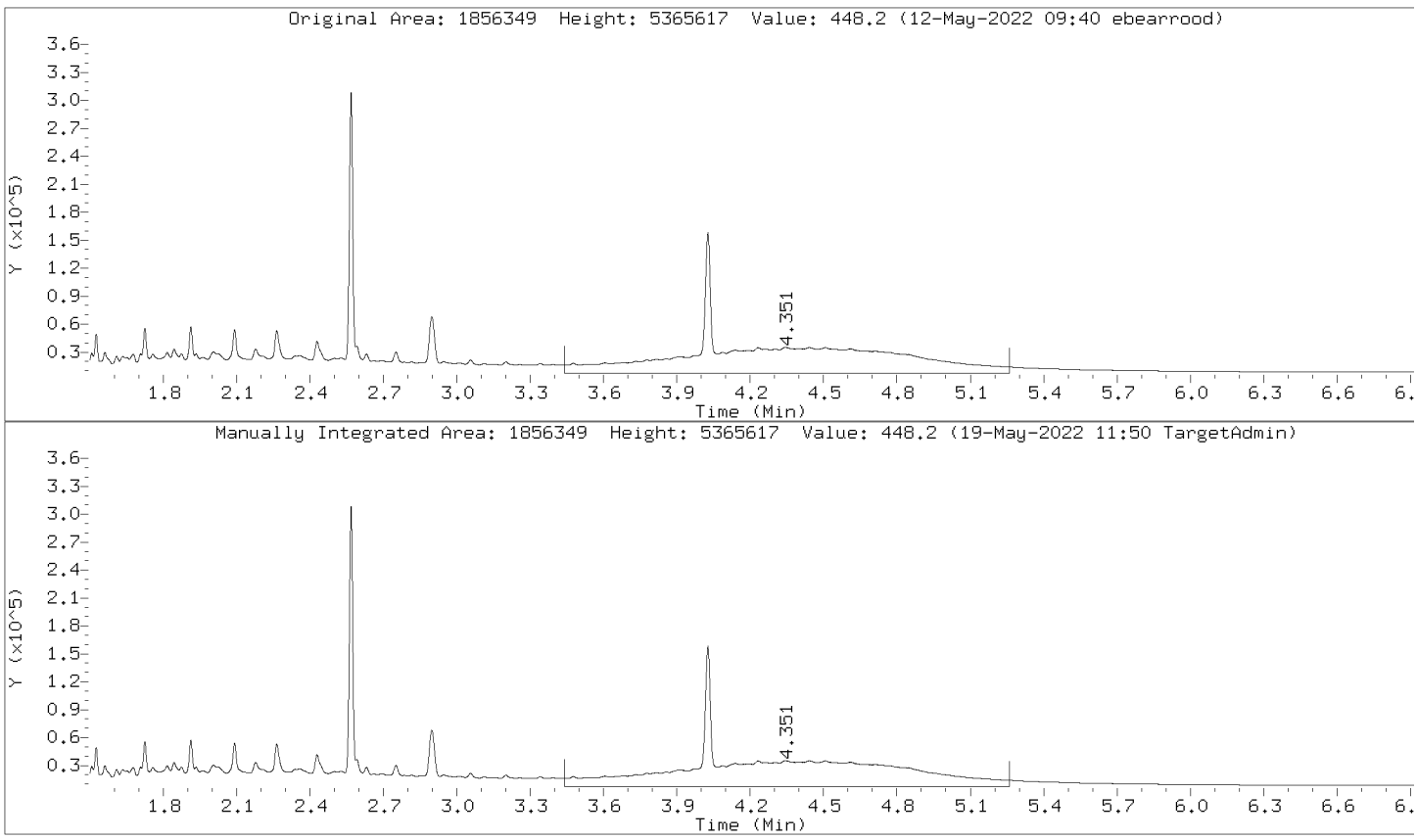
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000043.D
Injection Date: 11-MAY-2022 21:18
Instrument: 10gcsF.i
Lab Sample ID: 4310140

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



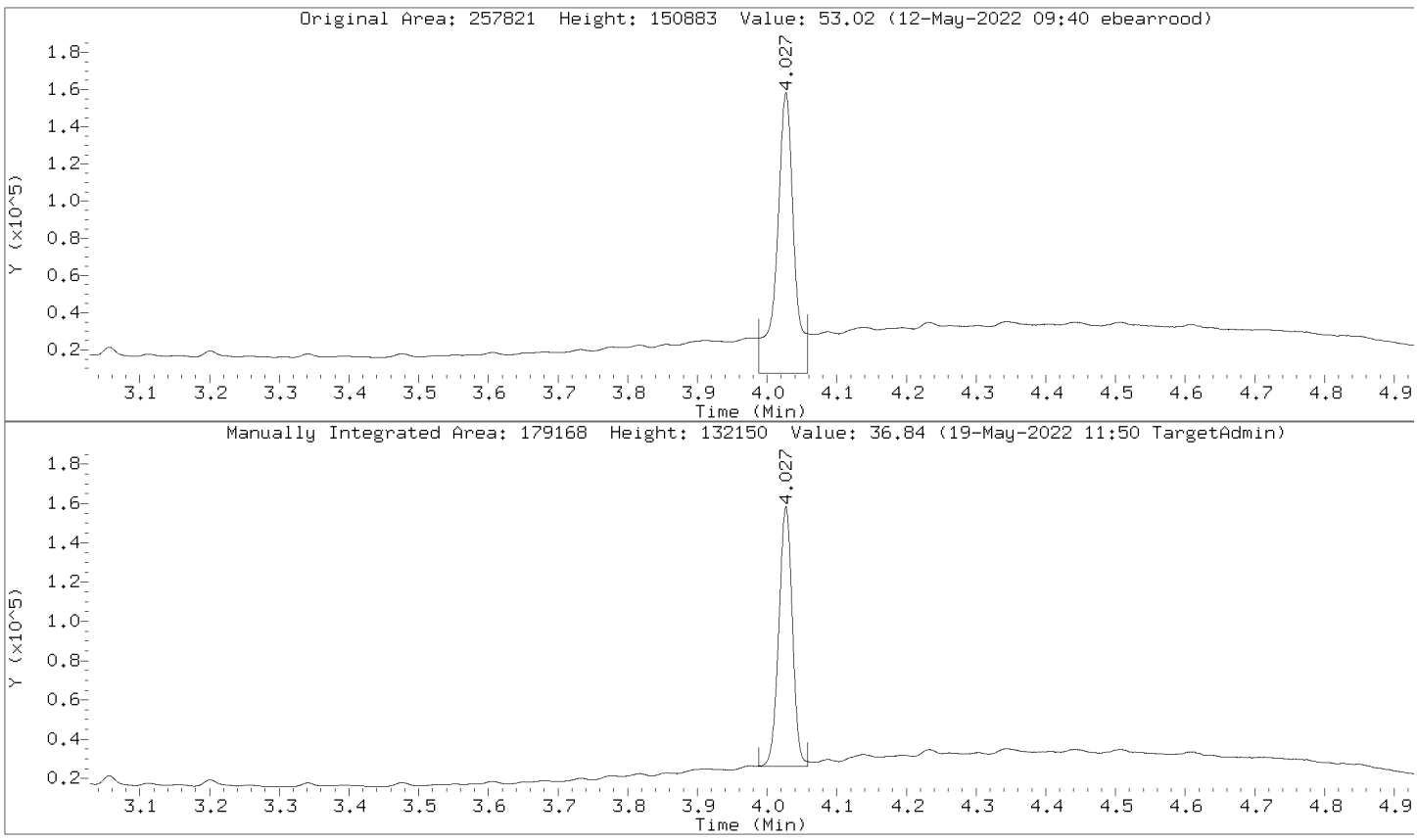
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000043.D
Injection Date: 11-MAY-2022 21:18
Instrument: 10gcsF.i
Lab Sample ID: 4310140

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



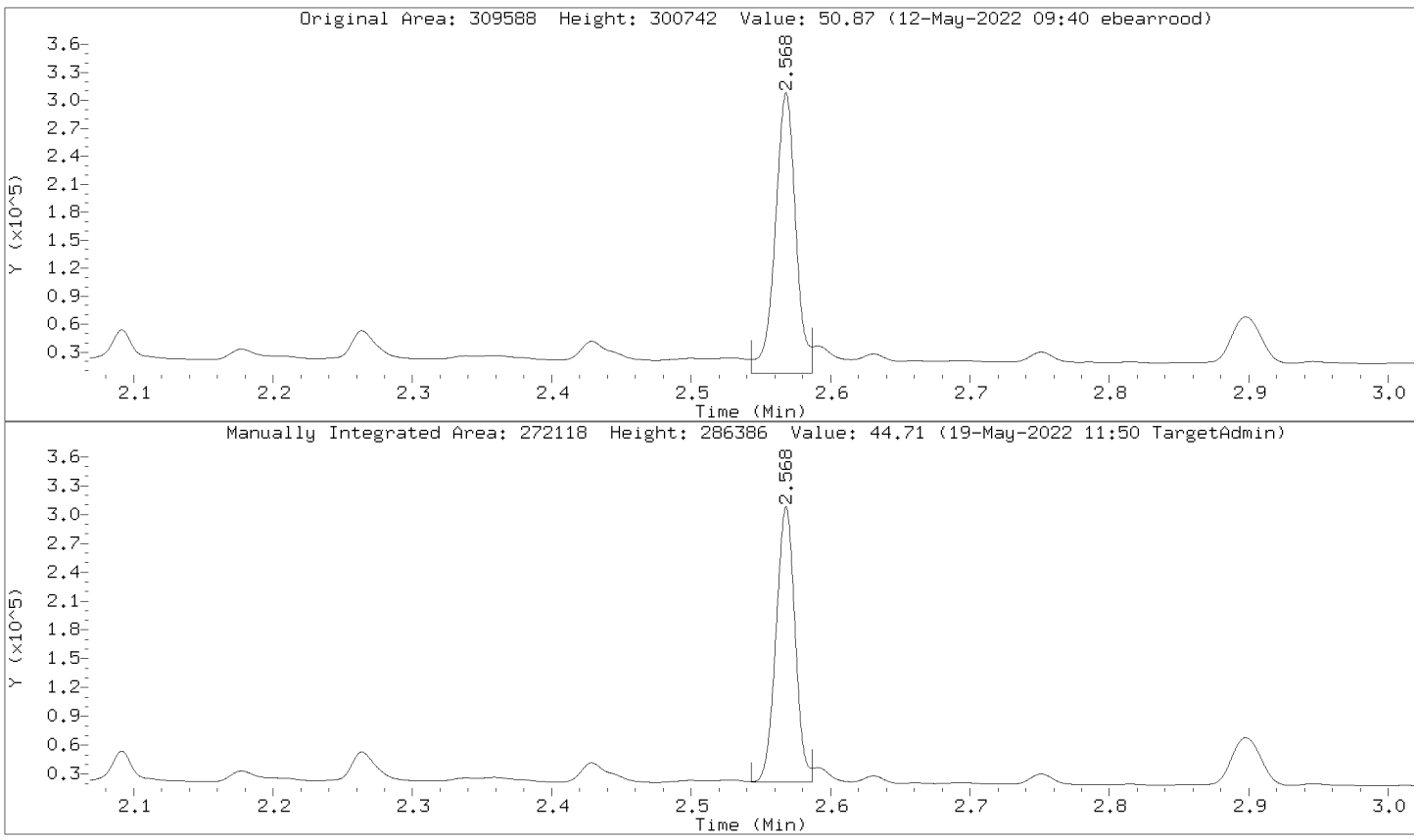
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000043.D
Injection Date: 11-MAY-2022 21:18
Instrument: 10gcsF.i
Lab Sample ID: 4310140

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000043.D
Injection Date: 11-MAY-2022 21:18
Instrument: 10gcsF.i
Lab Sample ID: 4310140

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	2070407	2070407
Motor Oil Range	1856349	1856349
Diesel Fuel Range SG	2070407	2070407
Motor Oil Range SG	1856349	1856349
n-Triacontane (S)	257821	179168
o-Terphenyl (S)	309588	272118

Prep Log Report

Batch Information: OEXT 64537 812885 NWDROWLV

Template Version: ENV-EPL-MIN4-0072-Rev.00 (03Jan2021)

Prep Method	EPA Mod. 3510C	Analysis Method	NWTPH-Dx	Prepared By	JV	Extracted Date/Time	05/03/2022 18:24:40:950
Spiked By	JV	Dispenser ID 1	Q646	Syringe ID 1	Q418	Syringe ID 2	
Syringe ID 3		Pipette ID 1	PP1-42	Conc. Method	WaterBath	Concentrated By	RS
Concentration Date/Time	05/04/2022 11:46:10:168	Methylene Chloride	364249	Sodium Sulfate	355640-06	1:1 HCl (mL)	304840 (0.5)
Glass Wool	363836	pH Test Strips	352828	Sodium Thiosulfate	None Added	Vial Lot #	22025312
Reviewed By	ACV	Reviewed By Date	05/04/2022 17:44	Batch Notes	SYRINGES USED Q833 AND 701		

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	Matrix	Sample ID Verified By	Residual Chlorine Present	Initial pH	Spike Verified By	Sample Volume (mL)	Sediment Volume (mL)	Initial Amount (g | mL | wipe)	Final Volume (mL)	Water Bath ID	Water Bath Thermo ID
NWDROWLV_P	BLANK	**4310138**	Y	Water	SCanner	No	2	N/A			250	1	10OP28	210745396
NWDROWLV_P	LCS	**4310139**	Y	Water	SCanner	No	2	N/A			250	1	10OP28	210745396
NWDROWLV_P	LCSD	**4310140**	Y	Water	SCanner	No	2	N/A			250	1	10OP28	210745396
NWDROWLV_P	PS	**10606561001**	Y	Water	SCanner	No	2	N/A			450	1	10OP28	210745396
NWDROWLV_P	DUP	**4310141**	Y	Water	SCanner	No	2	N/A			460	1	10OP28	210745396
NWDROWLV_P	PS	**10606563001**	Y	Water	SCanner	No	2	N/A			240	1	10OP28	210745396

QC Rule	Sample Type	Lab Sample ID	Correction Factor	Water Bath Temp | Corr (C)	Sample Notes	DMO-SPK (uL)	ntcs-SS (uL)	oter-SS (uL)
NWDROWLV_P	BLANK	**4310138**	1	86.00 | 87.00			360522 (10)	356212 (25)
NWDROWLV_P	LCS	**4310139**	1	86.00 | 87.00		358262 (250)	360522 (10)	356212 (25)
NWDROWLV_P	LCSD	**4310140**	1	86.00 | 87.00		358262 (250)	360522 (10)	356212 (25)
NWDROWLV_P	PS	**10606561001**	1	86.00 | 87.00	1*		360522 (10)	356212 (25)
NWDROWLV_P	DUP	**4310141**	1	86.00 | 87.00	1*		360522 (10)	356212 (25)
NWDROWLV_P	PS	**10606563001**	1	86.00 | 87.00			360522 (10)	356212 (25)

Sample Notes:

Wed, 25 May 2022 08:37:30 -0500

Prep Log Report

1*: Came in 500mL jar

Standard Notes:

356212: received 03/14/22

360522: Recieved 4/11/22

Pace Analytical™

Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot: NA

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0509F0000001.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 09:51	TT2	
0509F0000002.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:02	TT2	
0509F0000003.D	DMO-RTM,362402	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:14	TT2	rr pressure leak
0509F0000004.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:35	TT2	
0509F0000005.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:47	TT2	
0509F0000006.D	DMO-RTM,362402	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:59	TT2	
0509F0000007.D	DMO-CAL1,364979	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:10	TT2	
0509F0000008.D	DMO-CAL2,364980	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:22	TT2	
0509F0000009.D	DMO-CAL3,364981	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:33	TT2	Pass 30% for all target analytes
0509F0000010.D	DMO-CAL4,364982	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:45	TT2	Pass 40% for all target analytes
0509F0000011.D	DMO-CAL5,364983	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:56	TT2	Pass 40% for all target analytes
0509F0000012.D	DMO-CAL6,364984	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:08	TT2	
0509F0000013.D	DMO-CAL7,364985	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:20	TT2	
0509F0000014.D	DMO-CAL8,364986	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:31	TT2	
0509F0000015.D	DMO-CAL9,364987	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:43	TT2	
0509F0000016.D	DMO-CAL10,364988	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:54	TT2	ICAL Passing
0509F0000017.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 13:06	TT2	
0509F0000018.D	DMO-ICV,364989	/39289	CCal	1		GCSFAKNW8015-050922_	5/09/22 13:18	TT2	Failing made wrong
0509F0000019.D	PBLK,363301	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 13:29	TT2	
0509F0000020.D	DMO-ICV,355155	/39289	CCal	1		GCSFAKNW8015-050922_	5/09/22 14:13	TT2	possibly conc out.
0509F0000021.D	PBLK,363301	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 14:24	TT2	
0509F0000022.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 14:57	TT2	
0509F0000023.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 15:08	TT2	
0509F0000024.D	DMO-CAL1,364979	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 15:19	TT2	Drop CAL1
0509F0000025.D	DMO-CAL2,364980	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 15:31	TT2	
0509F0000026.D	DMO-CAL3,364981	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 15:43	TT2	Pass 30% for all target analytes
0509F0000027.D	DMO-CAL4,364982	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 15:54	TT2	Pass 40% for all target analytes
0509F0000028.D	DMO-CAL5,364983	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:06	TT2	Pass 40% for all target analytes
0509F0000029.D	DMO-CAL6,364984	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:18	TT2	
0509F0000030.D	DMO-CAL7,364985	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:29	TT2	
0509F0000031.D	DMO-CAL8,364986	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:41	TT2	
0509F0000032.D	DMO-CAL9,364987	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:53	TT2	
0509F0000033.D	DMO-CAL10,364988	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 17:04	TT2	ICAL Passing
0509F0000034.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 17:16	TT2	ran to stabilize baseline
0509F0000035.D	DMO-ICV,365117	/39289	CCal	1		GCSFAKNW8015-050922_	5/09/22 17:27	TT2	Pass 15% for all ranges
0509F0000036.D	PBLK,363301	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 17:39	TT2	Clean

Pace Analytical™

Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot: NA

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments

Check Maintenance Items Performed:

Changed septum	Clipped column	Changed column - Lot #
Cleaned liner	Changed trap - Lot #	Other minor parts replaced
Replaced/Cleaned gold seal	Cleaned MS Source	No maintenance performed today

Additional Comments:

File Path 1: \\V10WINTARGET\CHEM\10GCSF.I\050922F.B
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Run order verified:

Report Date: 05/10/2022 06:45
Reviewed By/Date:

Pace Analytical™

Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot:

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0511F0000001.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/11/22 13:22	EB3	
0511F0000002.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/11/22 13:34	EB3	
0511F0000003.D	DMO-RTM,365036	/39289	Sample	1		GCSFAKNW8015-050922_	5/11/22 13:45	EB3	
0511F0000004.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 13:56	EB3	Pass 15% for all ranges
0511F0000005.D	4305172	L/39219	Blank	1		GCSFAKNW8015-050922_	5/11/22 14:08	EB3	ok
0511F0000006.D	4305173	L/39219	LCS	1		GCSFAKNW8015-050922_	5/11/22 14:19	EB3	pass
0511F0000007.D	4305174	L/39219	LCSD	1		GCSFAKNW8015-050922_	5/11/22 14:30	EB3	pass
0511F0000008.D	10606016007	L/39219	Sample	1		GCSFAKNW8015-050922_	5/11/22 14:41	EB3	this is a RX OOH result, does not confirm
0511F0000009.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 14:53	EB3	Pass 15% for all ranges
0511F0000010.D	4295310	S/39118	Blank	1		GCSFAKNW8015-050922_	5/11/22 15:04	EB3	ok
0511F0000011.D	10604453006	S/39118	Sample	1		GCSFAKNW8015-050922_	5/11/22 15:15	EB3	confirms failing high, RX
0511F0000012.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 15:27	EB3	Pass 15% for all ranges
0511F0000013.D	4313529	L/39306	Blank	1		GCSFAKNW8015-050922_	5/11/22 15:38	EB3	ok
0511F0000014.D	10607257004	L/39306	Sample	1		GCSFAKNW8015-050922_	5/11/22 15:49	EB3	confirms surr failing low, RX
0511F0000015.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 16:01	EB3	Pass 15% for all ranges
0511F0000016.D	4315536	L/39305	Blank	1		GCSFAKNW8015-050922_	5/11/22 16:12	EB3	ok
0511F0000017.D	10607414002	L/39305	Sample	1		GCSFAKNW8015-050922_	5/11/22 16:23	EB3	confirms surr failing low, RX
0511F0000018.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 16:35	EB3	Pass 15% for all ranges
0511F0000019.D	4316005	S/39301	Blank	1		GCSFAKNW8015-050922_	5/11/22 16:46	EB3	ok
0511F0000020.D	4316006	S/39301	LCS	1		GCSFAKNW8015-050922_	5/11/22 16:57	EB3	pass
0511F0000021.D	10607520001	S/39301	Sample	50		GCSFAKNW8015-050922_	5/11/22 17:09	EB3	
0511F0000022.D	4316061	S/39301	MS	50		GCSFAKNW8015-050922_	5/11/22 17:20	EB3	
0511F0000023.D	4316062	S/39301	MSD	50		GCSFAKNW8015-050922_	5/11/22 17:32	EB3	
0511F0000024.D	10607127001	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 17:43	EB3	
0511F0000025.D	10607127002	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 17:54	EB3	
0511F0000026.D	10607127003	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 18:06	EB3	
0511F0000027.D	10607127004	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 18:17	EB3	
0511F0000028.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 18:28	EB3	Pass 15% for all ranges
0511F0000029.D	4316005	/39309	Sample	1		GCSFAKNW8015-050922_	5/11/22 18:40	EB3	ok
0511F0000030.D	10607365004	S/39309	Sample	100		GCSFAKNW8015-050922_	5/11/22 18:51	EB3	
0511F0000031.D	10607365012	S/39309	Sample	100		GCSFAKNW8015-050922_	5/11/22 19:02	EB3	
0511F0000032.D	10607365006	S/39309	Sample	20		GCSFAKNW8015-050922_	5/11/22 19:14	EB3	
0511F0000033.D	10607365010	S/39309	Sample	100		GCSFAKNW8015-050922_	5/11/22 19:25	EB3	
0511F0000034.D	10606997001	S/39308	Sample	10		GCSFAKNW8015-050922_	5/11/22 19:36	EB3	
0511F0000035.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 19:47	EB3	Pass 15% for all ranges
0511F0000036.D	4316165	L/39327	Blank	1		GCSFAKNW8015-050922_	5/11/22 19:59	EB3	ok
0511F0000037.D	4316166	L/39327	LCS	1		GCSFAKNW8015-050922_	5/11/22 20:10	EB3	pass
0511F0000038.D	4316167	L/39327	LCSD	1		GCSFAKNW8015-050922_	5/11/22 20:21	EB3	pass
0511F0000039.D	10607446001	L/39327	Sample	10		GCSFAKNW8015-050922_	5/11/22 20:33	EB3	rr 1X
0511F0000040.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 20:44	EB3	Pass 15% for all ranges
0511F0000041.D	4310138	L/39317	Blank	1		GCSFAKNW8015-050922_	5/11/22 20:55	EB3	ok
0511F0000042.D	4310139	L/39317	LCS	1		GCSFAKNW8015-050922_	5/11/22 21:07	EB3	pass
0511F0000043.D	4310140	L/39317	LCSD	1		GCSFAKNW8015-050922_	5/11/22 21:18	EB3	pass
0511F0000044.D	10606561001	L/39317	Sample	1		GCSFAKNW8015-050922_	5/11/22 21:29	EB3	
0511F0000045.D	4310141	L/39317	Dupe	1		GCSFAKNW8015-050922_	5/11/22 21:41	EB3	
0511F0000046.D	10606563001	L/39317	Sample	1		GCSFAKNW8015-050922_	5/11/22 21:52	EB3	

Pace Analytical™

Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot:

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0511F0000047.D	DMO-CCV,363721	/39289	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:03	EB3	Pass 15% for all ranges
0511F0000048.D	4316763	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:14	EB3	hit in MB, rr to confirm
0511F0000049.D	4316764	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:26	EB3	rr
0511F0000050.D	4316765	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:37	EB3	|
0511F0000051.D	10607576002	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:48	EB3	|
0511F0000052.D	4316766	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:00	EB3	|
0511F0000053.D	10607576003	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:11	EB3	|
0511F0000054.D	10607576004	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:22	EB3	|
0511F0000055.D	10607576005	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:33	EB3	|
0511F0000056.D	10607576006	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:45	EB3	|
0511F0000057.D	10607576007	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:56	EB3	|
0511F0000058.D	10607576008	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:07	EB3	|
0511F0000059.D	10607576009	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:19	EB3	|
0511F0000060.D	10607576010	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:30	EB3	|
0511F0000061.D	10607576011	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:41	EB3	V
0511F0000062.D	DMO-CCV,363721	/39289	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:52	EB3	Pass 15% for all ranges
0511F0000063.D	4310214	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 01:04	EB3	ok
0511F0000064.D	4310215	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 01:15	EB3	pass
0511F0000065.D	10606565003	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 01:26	EB3	
0511F0000066.D	10606560001	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 01:38	EB3	rr 5X
0511F0000067.D	10606565004	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 01:49	EB3	rr 1X
0511F0000068.D	10606565005	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 02:00	EB3	rr 1X
0511F0000069.D	10606565006	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 02:12	EB3	rr 1X
0511F0000070.D	10606560002	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 02:23	EB3	
0511F0000071.D	10606560003	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 02:34	EB3	
0511F0000072.D	4310216	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 02:45	EB3	
0511F0000073.D	4310217	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 02:57	EB3	
0511F0000074.D	10606565001	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 03:08	EB3	
0511F0000075.D	10606565002	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 03:19	EB3	
0511F0000076.D	DMO-CCV,363721	/39289	Sample	1		GCSFAKNW8015-050922_	5/12/22 03:31	EB3	Pass 15% for all ranges
0511F0000077.D	PBLK,4305172	/	Sample	1		GCSFAKNW8015-050922_	5/12/22 03:42	EB3	clean

Check Maintenance Items Performed:

Changed septum	Clipped column	Changed column - Lot #
Cleaned liner	Changed trap - Lot #	Other minor parts replaced
Replaced/Cleaned gold seal	Cleaned MS Source	No maintenance performed today

Additional Comments:

File Path 1: \\V10WINTARGET\CHEM\10GCSF.I\051122F.B
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Run order verified:

Report Date: 05/12/2022 10:42
Reviewed By/Date:

SAMPLE NO.

EB01-042822-01

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Lab Sample ID: 10606563001 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic	ND	U	ug/L	1	05/17/2022 15:12
7440-43-9	Cadmium	ND	U	ug/L	1	05/17/2022 15:12
7440-47-3	Chromium	0.43	J	ug/L	1	05/17/2022 15:12
7440-50-8	Copper	ND	U	ug/L	1	05/17/2022 15:12
7439-92-1	Lead	0.091	J	ug/L	1	05/17/2022 15:12
7440-02-0	Nickel	ND	U	ug/L	1	05/17/2022 15:12
7782-49-2	Selenium	ND	U	ug/L	1	05/17/2022 15:12
7440-22-4	Silver	0.25	J	ug/L	1	05/17/2022 15:12
7440-66-6	Zinc	ND	U	ug/L	1	05/17/2022 15:12

FORM II INORGANIC-1

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Initial Calibration Verification Source: 366568

Continuing Calibration Verification Source: 366568

Concentration Units: ug/L Instrument ID: 10ICM8

	Initial Calibration Verification				Continuing Calibration Verification						
	05/17/2022 10:53				05/17/2022 11:15			05/17/2022 14:36			Control Limit
Analyte	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	
Arsenic	80	79.0	98.8	90-110	80	79.3	99.1	80	79.1	98.9	90-110
Cadmium	80	81.0	101.3	90-110	80	80.9	101.2	80	79.2	99.0	90-110
Chromium	80	83.5	104.4	90-110	80	83.1	103.9	80	83.3	104.2	90-110
Copper	80	85.7	107.1	90-110	80	85.9	107.4	80	86.2	107.7	90-110
Lead	80	82.7	103.4	90-110	80	82.0	102.5	80	84.2	105.2	90-110
Nickel	80	83.9	104.9	90-110	80	83.6	104.6	80	84.6	105.7	90-110
Selenium	80	80.2	100.2	90-110	80	78.6	98.2	80	80.1	100.2	90-110
Silver	40	41.2	103.0	90-110	40	41.2	103.1	40	40.4	101.0	90-110
Zinc	80	82.3	102.9	90-110	80	82.1	102.7	80	81.8	102.2	90-110

FORM II INORGANIC-2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Initial Calibration Verification Source:

Continuing Calibration Verification Source: 366568

Concentration Units: ug/L Instrument ID: 10ICM8

	Continuing Calibration Verification			
	05/17/2022 15:16			Control Limit
Analyte	True	Found	%R	
Arsenic	80	78.4	98.0	90-110
Cadmium	80	79.1	98.9	90-110
Chromium	80	81.4	101.8	90-110
Copper	80	85.1	106.3	90-110
Lead	80	81.5	101.8	90-110
Nickel	80	82.9	103.7	90-110
Selenium	80	78.8	98.5	90-110
Silver	40	40.0	100.0	90-110
Zinc	80	80.5	100.6	90-110

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

CRDL Check Standard Source: 366567 Analysis Date/Time: 05/17/2022 11:04

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Arsenic	0.5	0.50	99.0	80-120
Cadmium	0.08	0.086	107.5	80-120
Chromium	2.0	2.1	104.4	80-120
Copper	1.0	1.1	110.6	80-120
Lead	0.5	0.52	103.6	80-120
Nickel	0.5	0.45	89.6	80-120
Selenium	0.5	0.49	97.8	80-120
Silver	0.5	0.45	90.0	80-120
Zinc	5.0	5.1	102.6	80-120

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

CRDL Check Standard Source: 366567 Analysis Date/Time: 05/17/2022 14:44

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Arsenic	0.5	0.50	100.0	80-120
Cadmium	0.08	0.077	96.2	80-120
Chromium	2.0	2.1	104.0	80-120
Copper	1.0	1.1	109.0	80-120
Lead	0.5	0.51	101.8	80-120
Nickel	0.5	0.43	85.8	80-120
Selenium	0.5	0.50	100.8	80-120
Silver	0.5	0.50	101.0	80-120
Zinc	5.0	5.0	101.0	80-120

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract : D3593500

Method Blank Matrix: Water Instrument ID: 10ICM8

Method Blank Concentration Units: ug/L

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Method Blank	
	05/17/2022 11:00	C	05/17/2022 11:18	C	05/17/2022 14:40	C	05/17/2022 15:19	C	4310637	C
Arsenic	0.083	U	0.083	U	0.083	U	0.083	U	ND	U
Cadmium	0.016	U	0.016	U	0.016	U	0.016	U	ND	U
Chromium	0.25	U	0.25	U	0.25	U	0.25	U	ND	U
Copper	0.50	U	0.50	U	0.50	U	0.50	U	ND	U
Lead	0.028	U	0.028	U	0.028	U	0.028	U	ND	U
Nickel	0.17	U	0.17	U	0.17	U	0.17	U	ND	U
Selenium	0.067	U	0.067	U	0.067	U	0.067	U	ND	U
Silver	0.16	U	0.24	J	0.20	J	0.21	J	ND	U
Zinc	2.0	U	2.0	U	2.0	U	2.0	U	ND	U

FORM IV INORGANIC-1
INTERFERENCE CHECK SAMPLE

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Instrument ID: 10ICM8 Solution A Run Date: 05/17/2022 11:07

ICS Source: 366566,366565 Solution AB Run Date: 05/17/2022 11:11

Concentration Units: ug/L

Analyte	True		Found				
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Limits
Aluminum	25000	27500	25489.273	102	27294.995	99.3	80-120
Arsenic		100	0.047		102.4	102.4	80-120
Cadmium		100	-0.025		101.509	101.5	80-120
Calcium	25000	27500	25434.813	101.7	27399.74	99.6	80-120
Chromium		100	0.239		103.907	103.9	80-120
Copper		100	0.073		103.213	103.2	80-120
Iron	25000	26250	26291.77	105.2	26648.18	101.5	80-120
Lead		100	0.014		100.193	100.2	80-120
Magnesium	25000	27500	25841.628	103.4	27542.666	100.2	80-120
Molybdenum	500	600	537.052	107.4	611.533	101.9	80-120
Nickel		100	-0.016		105.84	105.8	80-120
Potassium	25000	27500	25907.814	103.6	27745.454	100.9	80-120
Selenium		100	0.041		102.928	102.9	80-120
Silver		50	0.036		50.265	100.5	80-120
Sodium	25000	27500	26334.755	105.3	27980.91	101.7	80-120
Titanium	500	600	490.304	98.1	577.397	96.2	80-120
Zinc		100	0.145		103.246	103.2	80-120

SAMPLE NO.

4310639MS

FORM V INORGANIC-1

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Matrix: Water Basis: Wet Parent Sample ID: 10606561001

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Arsenic	ug/L	75-125	102	ND	100	102
Cadmium	ug/L	75-125	104	ND	100	104
Chromium	ug/L	75-125	109	0.46J	100	108
Copper	ug/L	75-125	109	ND	100	109
Lead	ug/L	75-125	110	0.041J	100	110
Nickel	ug/L	75-125	111	ND	100	111
Selenium	ug/L	75-125	102	ND	100	102
Silver	ug/L	75-125	52.1	0.22J	50.0	104
Zinc	ug/L	75-125	111	ND	100	109

SAMPLE NO.

4310640MSD

FORM V INORGANIC-2

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Matrix: Water Basis: Wet Parent Sample ID: 10606561001

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Arsenic	ug/L	75-125	102	ND	100	102
Cadmium	ug/L	75-125	107	ND	100	107
Chromium	ug/L	75-125	110	0.46J	100	109
Copper	ug/L	75-125	110	ND	100	110
Lead	ug/L	75-125	111	0.041J	100	111
Nickel	ug/L	75-125	112	ND	100	112
Selenium	ug/L	75-125	103	ND	100	103
Silver	ug/L	75-125	53.0	0.22J	50.0	106
Zinc	ug/L	75-125	109	ND	100	107

SAMPLE NO.

4310640MSD

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Matrix: Water Concentration Units: ug/L

Percent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Arsenic	20	102	102	0
Cadmium	20	104	107	2
Chromium	20	109	110	1
Copper	20	109	110	1
Lead	20	110	111	1
Nickel	20	111	112	1
Selenium	20	102	103	2
Silver	20	52.1	53.0	2
Zinc	20	111	109	1

SAMPLE NO.

4310638LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Arsenic	ug/L	100	103	103	80	120
Cadmium	ug/L	100	106	106	80	120
Chromium	ug/L	100	110	110	80	120
Copper	ug/L	100	111	111	80	120
Lead	ug/L	100	110	110	80	120
Nickel	ug/L	100	112	112	80	120
Selenium	ug/L	100	106	106	80	120
Silver	ug/L	50.0	52.3	105	80	120
Zinc	ug/L	100	109	109	80	120

SAMPLE NO.

4312122SD

FORM VIII INORGANIC-1
SERIAL DILUTIONS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Matrix: Water Parent Sample ID: 10606561001

Analyte	Units	Initial Sample Result	Serial Dilution Result	% Difference	Control Limit %D
Arsenic	ug/L	0.083U	0.41U		10
Cadmium	ug/L	0.016U	0.080U		10
Chromium	ug/L	0.46J	1.2U		10
Copper	ug/L	0.50U	3.6J		10
Lead	ug/L	0.041J	0.22J	424.4*	10
Nickel	ug/L	0.17U	0.86U		10
Selenium	ug/L	0.067U	0.33U		10
Silver	ug/L	0.22J	1.0J	361.4*	10
Zinc	ug/L	2.0U	9.8U		10

* Indicates that the % Difference exceeds the control limit.
No difference is calculated if either result is a non-detect.

FORM IX INORGANIC-1
INSTRUMENT DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Preparation Method: None Instrument ID: 10ICM8

Concentration Units: ug/L

Analyte	PQL	IDL	IDL Date
Arsenic	0.50	0.083	04/01/2022
Cadmium	0.080	0.016	04/01/2022
Chromium	2.0	0.25	04/01/2022
Copper	1.0	0.50	04/01/2022
Lead	0.50	0.028	04/01/2022
Nickel	0.50	0.17	04/01/2022
Selenium	0.50	0.067	04/01/2022
Silver	0.50	0.16	04/01/2022
Zinc	5.0	2.0	04/01/2022

FORM IX INORGANIC-2
METHOD DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Preparation Method: EPA 3020A Instrument ID: 10ICM8

Concentration Units: ug/L

Analyte	PQL	MDL	MDL Date
Arsenic	0.50	0.083	07/19/2021
Cadmium	0.080	0.016	07/19/2021
Chromium	2.0	0.25	07/19/2021
Copper	1.0	0.50	07/19/2021
Lead	0.50	0.028	07/19/2021
Nickel	0.50	0.17	07/19/2021
Selenium	0.50	0.067	07/19/2021
Silver	0.50	0.16	07/19/2021
Zinc	5.0	2.0	07/19/2021

FORM XI - INORGANIC-1
LINEAR DYNAMIC RANGES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract : D3593500

Instrument ID: 10ICM8 Effective Date:09/12/2021

Analyte	Concentration (ug/L)
Arsenic	450
Cadmium	450
Chromium	450
Copper	450
Lead	450
Nickel	450
Selenium	450
Silver	100
Zinc	450

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Preparation Method: EPA 3020A Batch: MPRP 124002

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
4310637	4310637	05/04/2022	25	25
4310638	4310638	05/04/2022	25	25
4310639	4310639	05/04/2022	25	25
4310640	4310640	05/04/2022	25	25
10606563001	EB01-042822-01	05/04/2022	25	25

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Instrument ID: 10ICM8 Analysis Method: EPA 6020B

Start Date: 05/17/2022 10:22 End Date: 05/17/2022 15:19

Sample Name	Lab Sample ID	D/F	Date	Time	Ag	As	Cd	Cr	Cu	Ni	Pb	Se	Zn
30002016CAL0	30002016CAL0	1	05/17/2022	10:22	X	X	X	X	X	X	X	X	X
30002018CAL1	30002018CAL1	1	05/17/2022	10:26	X	X	X	X	X	X	X	X	X
30002019CAL2	30002019CAL2	1	05/17/2022	10:30	X	X	X	X	X	X	X	X	X
30002020CAL3	30002020CAL3	1	05/17/2022	10:34	X	X	X	X	X	X	X	X	X
30002021CAL4	30002021CAL4	1	05/17/2022	10:38	X	X	X	X	X	X	X	X	X
30002022CAL5	30002022CAL5	1	05/17/2022	10:42	X	X	X	X	X	X	X	X	X
30002023CAL6	30002023CAL6	1	05/17/2022	10:46	X	X	X	X	X	X	X	X	X
30002024CAL7	30002024CAL7	1	05/17/2022	10:49	X	X	X	X	X	X	X	X	X
30002025ICV	30002025ICV	1	05/17/2022	10:53	X	X	X	X	X	X	X	X	X
30002026ICB	30002026ICB	1	05/17/2022	11:00	X	X	X	X	X	X	X	X	X
30002027CRDL	30002027CRDL	1	05/17/2022	11:04	X	X	X	X	X	X	X	X	X
30002028ICSA	30002028ICSA	1	05/17/2022	11:07	X	X	X	X	X	X	X	X	X
30002029ICSAB	30002029ICSAB	1	05/17/2022	11:11	X	X	X	X	X	X	X	X	X
30002030CCV	30002030CCV	1	05/17/2022	11:15	X	X	X	X	X	X	X	X	X
30002032CCB	30002032CCB	1	05/17/2022	11:18	X	X	X	X	X	X	X	X	X
30002080CCV	30002080CCV	1	05/17/2022	14:36	X	X	X	X	X	X	X	X	X
30002081CCB	30002081CCB	1	05/17/2022	14:40	X	X	X	X	X	X	X	X	X
30002082CRDL	30002082CRDL	1	05/17/2022	14:44	X	X	X	X	X	X	X	X	X
4310637BLANK	4310637	1	05/17/2022	14:47	X	X	X	X	X	X	X	X	X
4310638LCS	4310638	1	05/17/2022	14:51	X	X	X	X	X	X	X	X	X
10606561001	10606561001	1	05/17/2022	14:54	X	X	X	X	X	X	X	X	X
4312122SD	4312122	5	05/17/2022	15:02	X	X	X	X	X	X	X	X	X
4310639MS	4310639	1	05/17/2022	15:05	X	X	X	X	X	X	X	X	X
4310640MSD	4310640	1	05/17/2022	15:09	X	X	X	X	X	X	X	X	X
EB01-042822-01	10606563001	1	05/17/2022	15:12	X	X	X	X	X	X	X	X	X
30002083CCV	30002083CCV	1	05/17/2022	15:16	X	X	X	X	X	X	X	X	X
30002084CCB	30002084CCB	1	05/17/2022	15:19	X	X	X	X	X	X	X	X	X

US EPA 200.8/6020 Tune Check Report

Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\051722.b
Report Comment	10ICM8 PW
Instrument Name	G3281A JP13142395

[He]

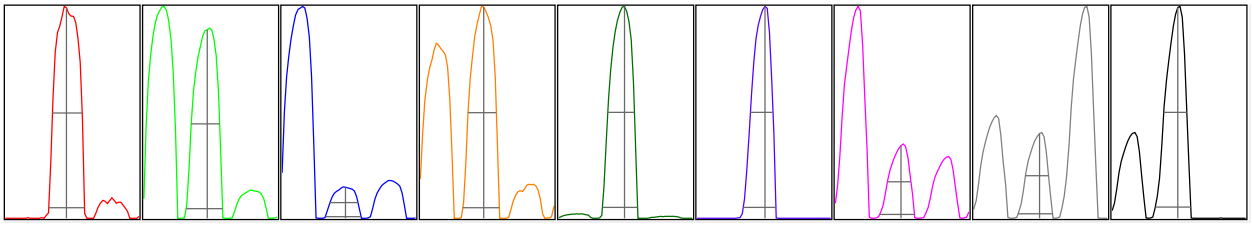
Sensitivity

Mass	Count	RSD%	RSD%(Rqd)	RSD%(Flag)
9	57	2.758	5.000	
24	1225	1.363	5.000	
25	181	1.902	5.000	
26	217	0.983	5.000	
59	12445	0.248	5.000	
115	18987	1.058	5.000	
206	8945	0.927	5.000	
207	7468	1.830	5.000	
208	18340	1.604	5.000	

Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	56	57	59	55
1241	1234	1229	1226	1197
183	181	184	183	175
215	216	217	216	220
12433	12434	12465	12406	12486
18703	18869	19076	19074	19213
8822	8949	8931	8973	9051
7248	7433	7508	7556	7593
17907	18196	18419	18523	18653

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)	W-5%	W-5% (Required)	W-5% (Flag)
9	92.00	8.90	8.90 - 9.10		0.792	0.900	
24	2056.63	23.95	23.90 - 24.10		0.809	0.900	
25	302.68	24.95	24.90 - 25.10		0.785	0.900	
26	369.19	25.95	25.90 - 26.10		0.809	0.900	
59	22252.15	59.00	58.90 - 59.10		0.779	0.900	
115	38646.67	115.05	114.90 - 115.10		0.723	0.900	
206	17708.84	206.00	205.90 - 206.10		0.770	0.900	
207	14933.25	207.00	206.90 - 207.10		0.763	0.900	
208	37220.97	208.00	207.90 - 208.10		0.786	0.900	

Integration Time [sec] 0.1 Acquisition Time [sec] 212.5 Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.70 L/min	Dilution Gas	0.35 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	5.0 V	Deflect	-1.2 V
Extract 2	-130.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-70 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V
He Flow	4.5 mL/min	OctP Bias	-18.0 V		
H2 Flow	0.0 mL/min	OctP RF	170 V		

US EPA 200.8/6020 Tune Check Report

Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\051722.b
Report Comment	10ICM8 PW
Instrument Name	G3281A JP13142395

[H2]

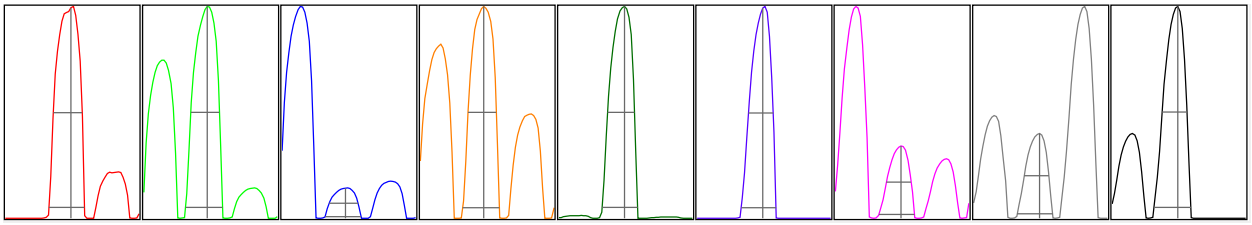
Sensitivity

Mass	Count	RSD%	RSD%(Rqd)	RSD%(Flag)
9	366	1.095	5.000	
24	7699	1.087	5.000	
25	1113	1.459	5.000	
26	1348	1.409	5.000	
59	11946	0.905	5.000	
115	36841	0.932	5.000	
206	7502	0.754	5.000	
207	6294	0.952	5.000	
208	15425	0.696	5.000	

Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
367	366	367	359	369
7791	7759	7721	7627	7598
1129	1105	1129	1112	1091
1376	1353	1340	1350	1324
11998	11763	11967	11953	12046
37048	36588	37055	36367	37148
7486	7525	7495	7426	7580
6211	6309	6357	6257	6338
15395	15357	15575	15307	15489

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)	W-5%	W-5% (Required)	W-5% (Flag)
9	602.61	9.00	8.90 - 9.10		0.785	0.900	
24	12926.13	23.95	23.90 - 24.10		0.821	0.900	
25	1839.25	24.95	24.90 - 25.10		0.792	0.900	
26	2261.66	25.95	25.90 - 26.10		0.813	0.900	
59	21087.39	59.00	58.90 - 59.10		0.784	0.900	
115	69553.97	115.00	114.90 - 115.10		0.769	0.900	
206	14148.80	206.00	205.90 - 206.10		0.787	0.900	
207	11657.23	207.00	206.90 - 207.10		0.779	0.900	
208	29172.28	208.00	207.90 - 208.10		0.815	0.900	

Integration Time [sec] 0.1 Acquisition Time [sec] 212.5 Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.70 L/min	Dilution Gas	0.35 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	5.0 V	Deflect	-2.2 V
Extract 2	-130.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-70 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	2.0 V
He Flow	0.0 mL/min	OctP Bias	-18.0 V		
H2 Flow	4.0 mL/min	OctP RF	170 V		

FORM XV INORGANIC-1

INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

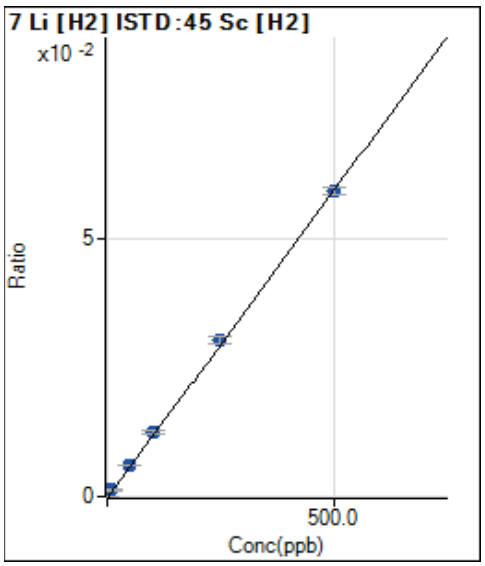
Instrument ID: 10ICM8 Start Date: 05/17/2022 10:22 End Date: 05/17/2022 15:19

Sample Name	Time	GE-72	Ge-72-IS1	In-115	Ir-193-IS	Sc-45-IS	Sc-45-IS1	Tb-159
30002016CAL0	10:22	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30002018CAL1	10:26	100.5	100.2	99.1	99.2	100.2	99.4	100.2
30002019CAL2	10:30	101.0	99.6	99.6	99.7	101.0	99.7	100.1
30002020CAL3	10:34	99.9	97.0	95.0	95.3	98.3	95.5	96.7
30002021CAL4	10:38	101.7	98.0	97.4	96.6	100.0	97.5	97.9
30002022CAL5	10:42	102.0	98.6	97.0	94.5	101.4	98.5	97.0
30002023CAL6	10:46	101.7	97.6	95.1	96.7	102.6	96.8	100.5
30002024CAL7	10:49	99.4	97.4	93.5	93.9	101.0	96.4	98.1
30002025ICV	10:53	104.0	101.1	99.9	100.3	102.4	101.3	101.4
30002026ICB	11:00	101.6	102.4	101.2	101.9	102.8	102.5	102.5
30002027CRDL	11:04	102.1	103.8	101.6	102.2	103.2	104.2	103.1
30002028ICSA	11:07	98.5	98.6	96.5	98.6	100.8	97.4	100.5
30002029ICSAB	11:11	101.8	100.5	97.2	99.3	103.4	99.9	101.5
30002030CCV	11:15	104.2	103.8	101.1	102.1	103.3	104.0	103.2
30002032CCB	11:18	103.1	105.5	103.2	104.3	104.2	105.3	104.5
30002080CCV	14:36	90.9	90.4	91.7	94.5	91.4	91.0	94.7
30002081CCB	14:40	92.2	93.8	94.9	96.8	93.1	94.2	97.4
30002082CRDL	14:44	92.2	93.5	94.3	97.0	92.8	93.6	97.5
4310637	14:47	88.6	93.2	91.9	95.0	90.5	94.1	94.0
4310638	14:51	90.6	90.3	90.4	94.7	90.4	90.7	95.0
10606561001	14:54	91.6	93.9	94.5	97.7	93.4	95.3	97.5
4312122	15:02	92.8	94.9	95.1	98.0	93.7	95.3	98.0
4310639	15:05	92.6	91.5	91.7	94.6	92.8	91.7	95.3
4310640	15:09	93.7	92.9	90.6	94.3	92.4	93.2	95.5
EB01-042822-01	15:12	87.2	87.8	89.7	90.4	88.5	87.6	91.4
30002083CCV	15:16	92.7	92.8	92.8	93.9	93.4	92.8	95.7
30002084CCB	15:19	93.3	95.1	95.9	98.5	94.8	95.2	98.2

Calibration for 247_CCV.d

Batch Folder:	C:\Agilent\ICPMH\1\DATA\051722.b\
Analysis File:	051722.batch.bin
DA Date-Time:	5/18/2022 08:59:15
Calibration Title:	
Calibration Method:	External Calibration
VIS Interpolation Fit:	

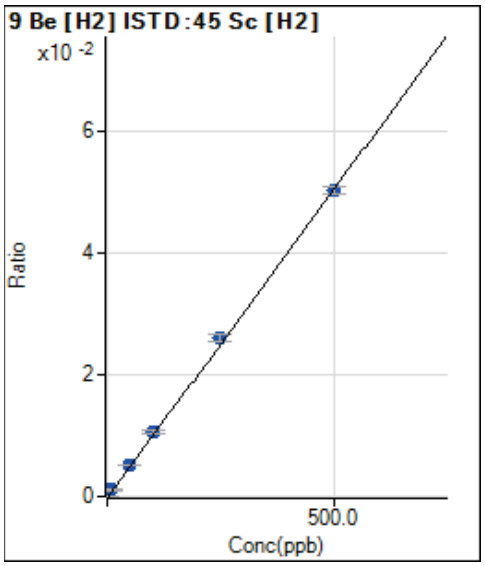
Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	CAL 0	5/17/2022 10:22:58
2	005CALS.d	CAL 1	5/17/2022 10:26:50
3	006CALS.d	CAL 2	5/17/2022 10:30:44
4	007CALS.d	CAL 3	5/17/2022 10:34:37
5	008CALS.d	CAL 4	5/17/2022 10:38:28
6	009CALS.d	CAL 5	5/17/2022 10:42:16
7	010CALS.d	CAL 6	5/17/2022 10:46:02
8	011CALS.d	CAL 7	5/17/2022 10:49:49



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	69.17	0.0000	P	22.8	
2	☐	0.500	0.510	473.34	0.0001	P	5.3	2.0
3	☐	10.000	10.517	8438.22	0.0013	P	4.3	5.2
4	☐	50.000	50.520	38592.54	0.0060	P	4.2	1.0
5	☐	100.000	104.430	81383.47	0.0124	P	4.6	4.4
6	☐	250.000	255.070	200641.93	0.0304	P	5.1	2.0
7	☐	500.000	496.517	383640.42	0.0591	P	2.1	-0.7
8	☐			248.17	0.0000	P	4.8	

y = 1.1903E-004 * x + 1.0268E-005
R = 0.9999
DL = 0.05906 ppb
BEC = 0.08627 ppb

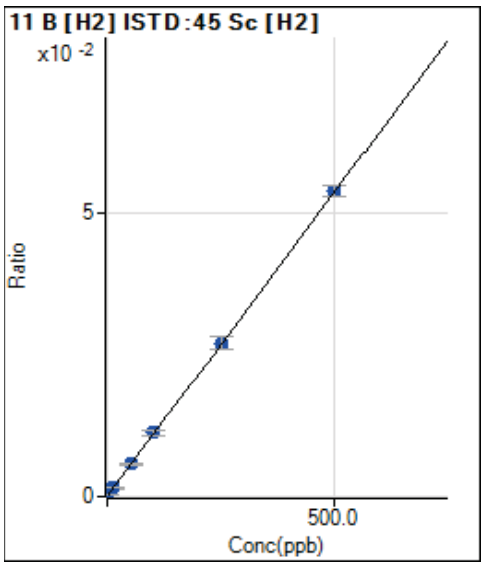
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.50	0.0000	P	33.1	
2	☐	0.200	0.203	143.50	0.0000	P	5.4	1.3
3	☐	10.000	10.644	7229.56	0.0011	P	4.4	6.4
4	☐	50.000	50.972	33163.51	0.0052	P	4.7	1.9
5	☐	100.000	105.027	69748.70	0.0107	P	4.5	5.0
6	☐	250.000	255.741	171510.96	0.0260	P	4.8	2.3
7	☐	500.000	496.014	326794.43	0.0504	P	2.1	-0.8
8	☐			62.67	0.0000	P	18.6	

y = 1.0151E-004 * x + 9.6711E-007
R = 0.9999
DL = 0.009453 ppb
BEC = 0.009527 ppb

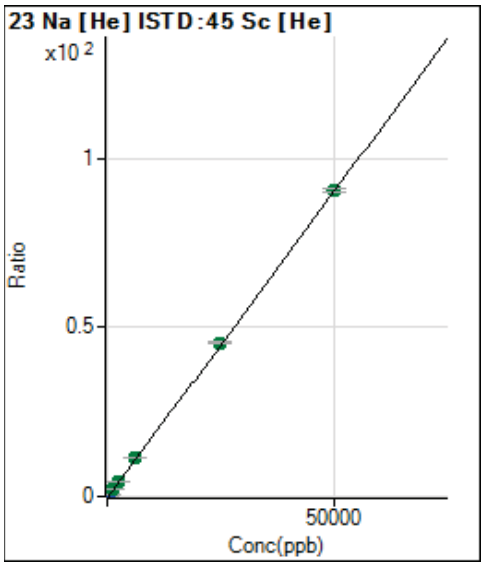
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3083.67	0.0005	P	5.1	
2	☐	10.000	9.610	9899.48	0.0015	P	5.5	-3.9
3	☐	10.000	10.680	10696.58	0.0016	P	7.5	6.8
4	☐	50.000	48.995	36426.04	0.0057	P	4.2	-2.0
5	☐	100.000	101.565	73913.60	0.0113	P	7.9	1.6
6	☐	250.000	249.172	178707.10	0.0270	P	7.6	-0.3
7	☐	500.000	500.196	349388.76	0.0538	P	3.3	0.0
8	☐			4270.56	0.0007	P	3.3	

y = 1.0665E-004 * x + 4.5964E-004
R = 1.0000
DL = 0.6569 ppb
BEC = 4.31 ppb

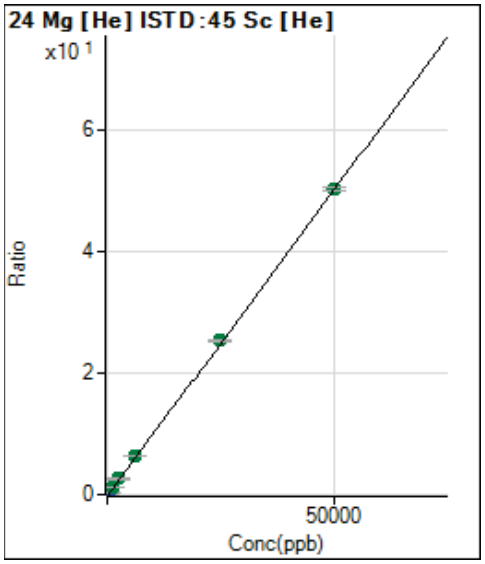
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	18053.87	0.0165	P	1.0	
2	☐	50.000	52.481	122286.07	0.1116	P	1.4	5.0
3	☐	250.000	255.511	529470.49	0.4793	P	0.7	2.2
4	☐	1250.000	1234.556	2422409.39	2.2528	A	1.5	-1.2
5	☐	2500.000	2543.817	5056242.11	4.6243	A	0.4	1.8
6	☐	6250.000	6267.854	12604726.89	11.3700	A	0.6	0.3
7	☐	25000.00	25040.95	50911537.57	45.3754	A	1.6	0.2
8	☐	50000.00	49975.45	99984215.18	90.5415	A	1.4	0.0

y = 0.0018 * x + 0.0165
R = 1.0000
DL = 0.2704 ppb
BEC = 9.114 ppb

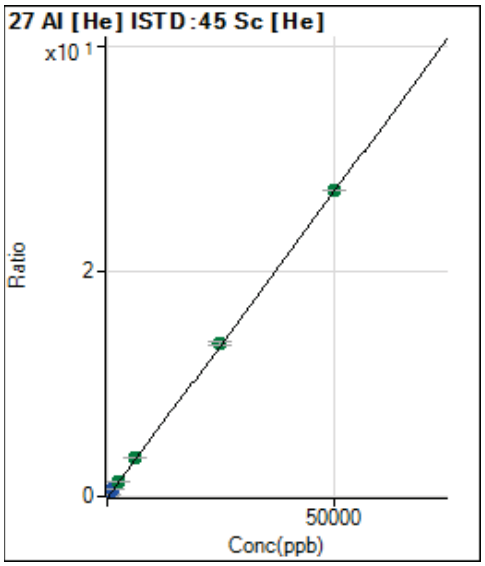
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3605.38	0.0033	P	1.1	
2	☐	30.000	32.411	39356.86	0.0359	P	0.6	8.0
3	☐	250.000	259.224	291743.64	0.2641	P	0.9	3.7
4	☐	1250.000	1235.500	1340299.09	1.2464	A	1.6	-1.2
5	☐	2500.000	2557.423	2817140.48	2.5765	A	1.1	2.3
6	☐	6250.000	6251.566	6976960.52	6.2936	A	0.4	0.0
7	☐	25000.00	25129.06	28373874.58	25.2879	A	1.1	0.5
8	☐	50000.00	49932.71	55485204.17	50.2450	A	1.8	-0.1

y = 0.0010 * x + 0.0033
R = 1.0000
DL = 0.1124 ppb
BEC = 3.276 ppb

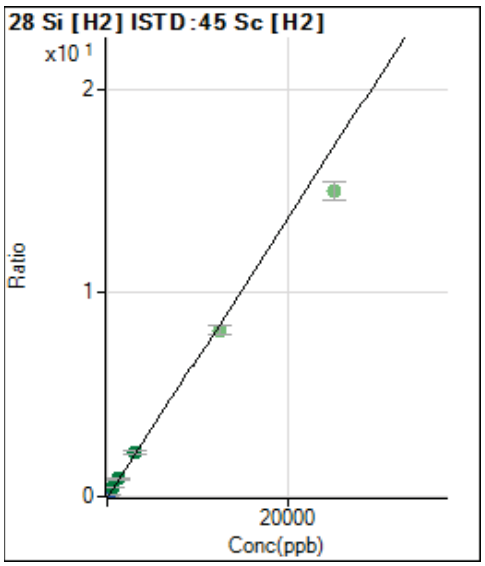
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	256.67	0.0002	P	15.7	
2	☐	30.000	31.688	19184.22	0.0175	P	1.9	5.6
3	☐	250.000	255.376	153972.29	0.1394	P	0.5	2.2
4	☐	1250.000	1242.031	728078.84	0.6771	P	0.9	-0.6
5	☐	2500.000	2531.583	1508685.62	1.3798	A	0.7	1.3
6	☐	6250.000	6204.707	3748680.67	3.3815	A	0.3	-0.7
7	☐	25000.00	25014.01	15294900.67	13.6317	A	1.4	0.1
8	☐	50000.00	49997.24	30089264.00	27.2464	A	0.5	0.0

y = 5.4495E-004 * x + 2.3467E-004
R = 1.0000
DL = 0.2033 ppb
BEC = 0.4306 ppb

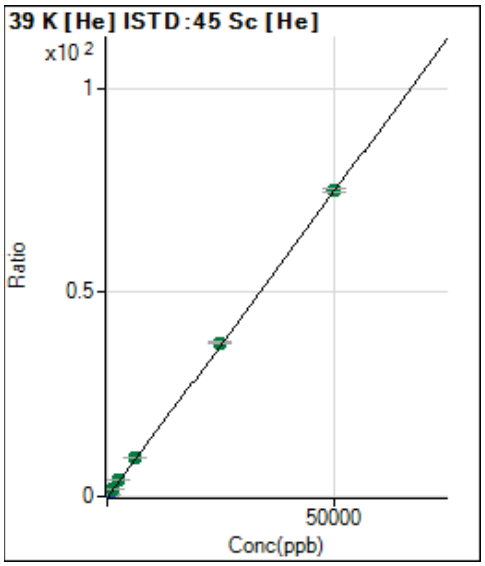
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12742.45	0.0019	P	4.1	
2	☐	100.000	104.475	493267.04	0.0739	P	7.6	4.5
3	☐	125.000	131.092	617451.94	0.0923	P	6.3	4.9
4	☐	625.000	616.412	2736828.42	0.4270	A	5.5	-1.4
5	☐	1250.000	1281.165	5794289.33	0.8854	A	6.5	2.5
6	☐	3125.000	3113.865	14208806.00	2.1492	A	8.3	-0.4
7	☑	12500.00		53092864.00	8.1686	A	5.8	
8	☑	25000.00		97008416.00	14.9922	A	6.1	

y = 6.8959E-004 * x + 0.0019
R = 0.9999
DL = 0.3349 ppb
BEC = 2.754 ppb

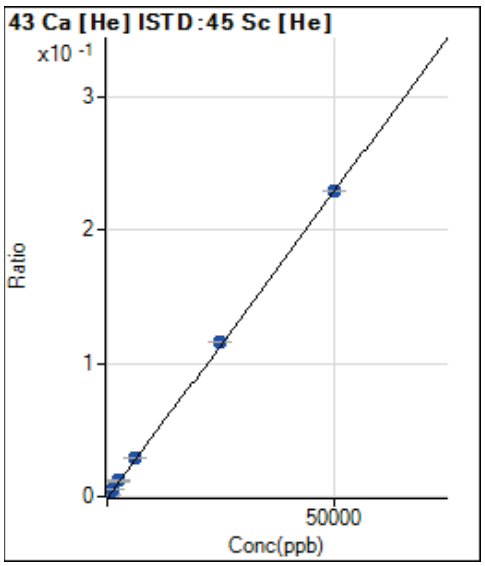
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	133774.35	0.1223	P	0.6	
2	☐	100.000	109.550	313989.21	0.2865	P	0.7	9.6
3	☐	250.000	259.843	565151.04	0.5117	P	2.0	3.9
4	☐	1250.000	1231.765	2116340.54	1.9681	A	1.0	-1.5
5	☐	2500.000	2541.860	4298345.35	3.9313	A	1.3	1.7
6	☐	6250.000	6257.129	10529996.09	9.4986	A	0.5	0.1
7	☐	25000.00	25072.46	42293527.70	37.6932	A	1.1	0.3
8	☐	50000.00	49961.17	82811398.76	74.9887	A	0.8	-0.1

y = 0.0015 * x + 0.1223
R = 1.0000
DL = 1.349 ppb
BEC = 81.63 ppb

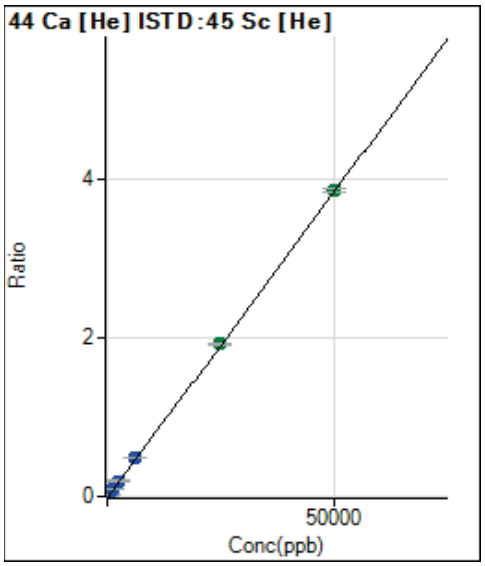
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	10.82	0.0000	P	30.1	
2	☐	100.000	105.364	542.25	0.0005	P	0.8	5.4
3	☐	250.000	248.158	1272.29	0.0012	P	0.8	-0.7
4	☐	1250.000	1237.779	6135.60	0.0057	P	0.3	-1.0
5	☐	2500.000	2563.429	12908.26	0.0118	P	1.8	2.5
6	☐	6250.000	6311.144	32206.45	0.0291	P	0.4	1.0
7	☐	25000.00	25252.85	130397.99	0.1162	P	1.0	1.0
8	☐	50000.00	49863.06	253405.06	0.2295	P	0.5	-0.3

y = 4.6017E-006 * x + 9.8930E-006
R = 1.0000
DL = 1.944 ppb
BEC = 2.15 ppb

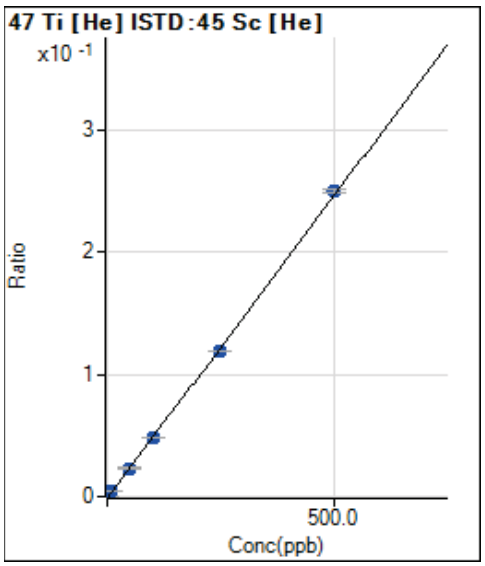
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	189.57	0.0002	P	34.5	
2	☐	100.000	103.541	8935.44	0.0082	P	0.9	3.5
3	☐	250.000	247.297	21243.89	0.0192	P	4.4	-1.1
4	☐	1250.000	1216.867	101018.53	0.0939	P	2.2	-2.7
5	☐	2500.000	2549.516	215008.82	0.1966	P	0.9	2.0
6	☐	6250.000	6304.642	538788.70	0.4860	P	2.1	0.9
7	☐	25000.00	24877.78	2151164.92	1.9173	A	1.7	-0.5
8	☐	50000.00	50052.63	4259964.84	3.8573	A	1.1	0.1

y = 7.7061E-005 * x + 1.7340E-004
R = 1.0000
DL = 2.326 ppb
BEC = 2.25 ppb

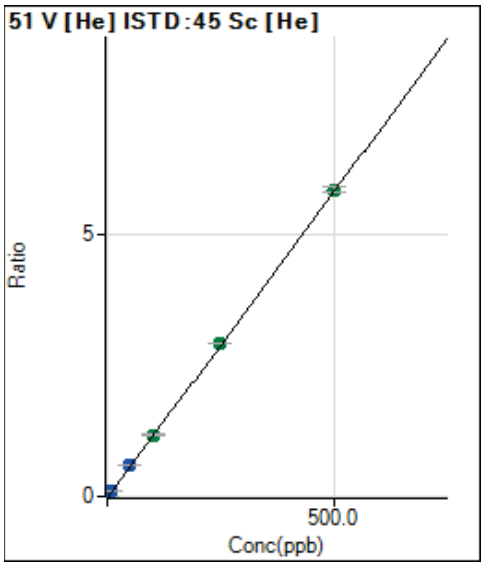
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	124.	
2	☐	1.000	0.981	534.68	0.0005	P	9.9	-1.9
3	☐	10.000	9.731	5313.45	0.0048	P	1.4	-2.7
4	☐	50.000	47.111	25030.50	0.0233	P	0.7	-5.8
5	☐	100.000	97.258	52538.64	0.0481	P	0.9	-2.7
6	☐	250.000	240.557	131748.33	0.1188	P	1.1	-3.8
7	☐	500.000	505.564	280248.62	0.2498	P	0.8	1.1
8	☐			1124.04	0.0010	P	1.5	

y = 4.9403E-004 * x + 3.0424E-006
R = 0.9997
DL = 0.02307 ppb
BEC = 0.006158 ppb

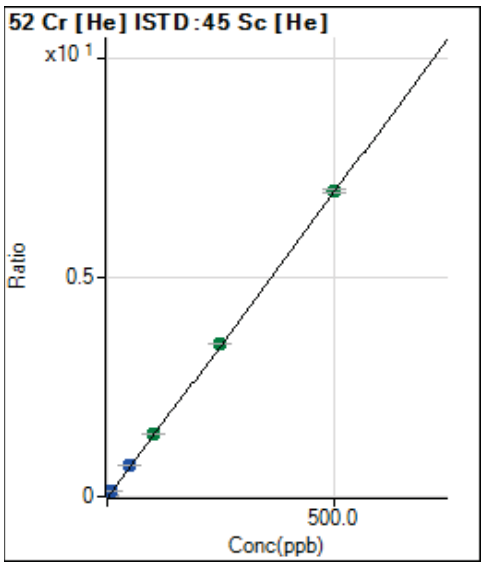
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-1823.94	-0.0017	P	-47.5	
2	☐	1.000	1.072	11902.57	0.0109	P	1.8	7.2
3	☐	10.000	10.217	130044.44	0.1177	P	2.9	2.2
4	☐	50.000	50.623	634443.47	0.5900	P	1.2	1.2
5	☐	100.000	100.862	1287103.30	1.1772	A	1.1	0.9
6	☐	250.000	249.463	3230433.53	2.9140	A	0.7	-0.2
7	☐	500.000	500.029	6555303.21	5.8426	A	1.8	0.0
8	☐			-1668.19	-0.0015	P	-70.5	

y = 0.0117 * x - 0.0017
R = 1.0000
DL = 0.2032 ppb
BEC = -0.1426 ppb

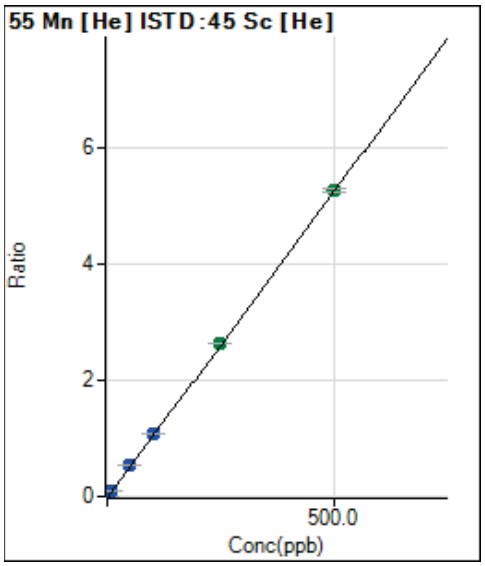
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	581.34	0.0005	P	8.0	
2	☐	2.000	2.095	32665.32	0.0298	P	0.8	4.8
3	☐	10.000	10.392	160933.08	0.1457	P	1.2	3.9
4	☐	50.000	50.866	764730.23	0.7112	P	0.9	1.7
5	☐	100.000	102.033	1559173.50	1.4260	A	0.6	2.0
6	☐	250.000	249.183	3859851.83	3.4818	A	0.4	-0.3
7	☐	500.000	499.907	7836676.50	6.9846	A	1.6	0.0
8	☐			2836.90	0.0026	P	4.3	

y = 0.0140 * x + 5.3152E-004
R = 1.0000
DL = 0.009099 ppb
BEC = 0.03805 ppb

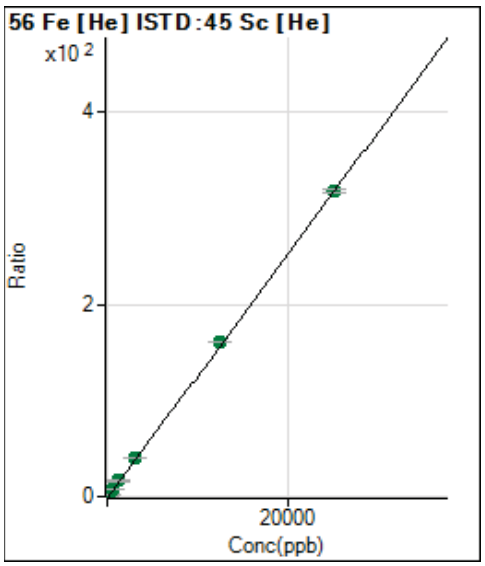
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	973.36	0.0009	P	5.3	
2	☐	0.500	0.521	6998.71	0.0064	P	2.4	4.1
3	☐	10.000	10.346	121596.97	0.1101	P	0.7	3.5
4	☐	50.000	50.615	575417.65	0.5351	P	1.4	1.2
5	☐	100.000	102.832	1187745.08	1.0863	P	0.5	2.8
6	☐	250.000	248.988	2914384.83	2.6289	A	0.4	-0.4
7	☐	500.000	499.871	5920965.67	5.2770	A	0.9	0.0
8	☐			6823.97	0.0062	P	3.7	

y = 0.0106 * x + 8.9000E-004
R = 1.0000
DL = 0.0134 ppb
BEC = 0.08432 ppb

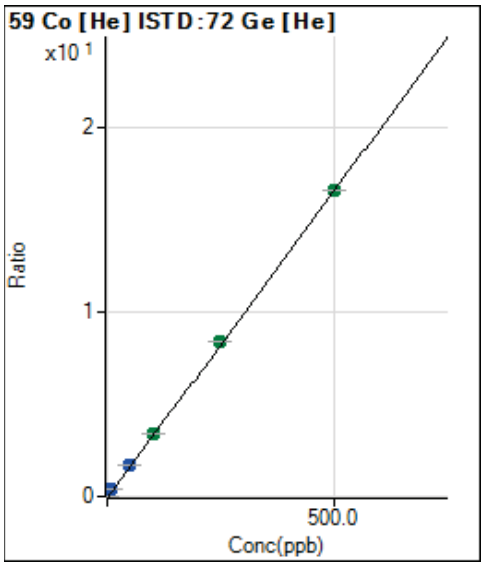
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	17801.42	0.0163	P	1.3	
2	☐	50.000	53.612	768384.04	0.7011	P	0.3	7.2
3	☐	125.000	130.191	1854594.50	1.6792	A	1.6	4.2
4	☐	625.000	626.320	8619843.00	8.0162	A	1.3	0.2
5	☐	1250.000	1277.098	17853582.00	16.3285	A	0.5	2.2
6	☐	3125.000	3157.157	44722581.33	40.3421	A	0.6	1.0
7	☐	12500.00	12637.74	181141290.6	161.436	A	0.7	1.1
8	☐	25000.00	24925.68	351593504.0	318.388	A	1.2	-0.3

y = 0.0128 * x + 0.0163
R = 1.0000
DL = 0.05113 ppb
BEC = 1.274 ppb

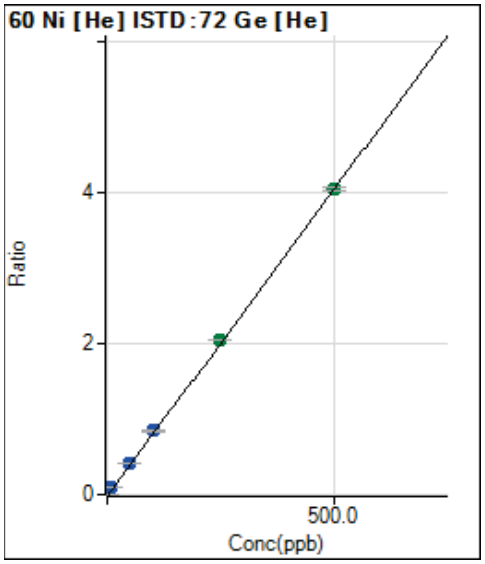
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	108.67	0.0002	P	25.8	
2	☐	0.500	0.541	12336.90	0.0181	P	1.8	8.3
3	☐	10.000	10.582	240474.63	0.3515	P	1.1	5.8
4	☐	50.000	50.521	1134397.17	1.6776	P	0.5	1.0
5	☐	100.000	102.097	2334415.08	3.3900	A	0.0	2.1
6	☐	250.000	251.464	5767475.67	8.3493	A	0.3	0.6
7	☐	500.000	498.785	11403940.00	16.5609	A	0.5	-0.2
8	☐			3653.05	0.0054	P	3.5	

y = 0.0332 * x + 1.6046E-004
R = 1.0000
DL = 0.003734 ppb
BEC = 0.004833 ppb

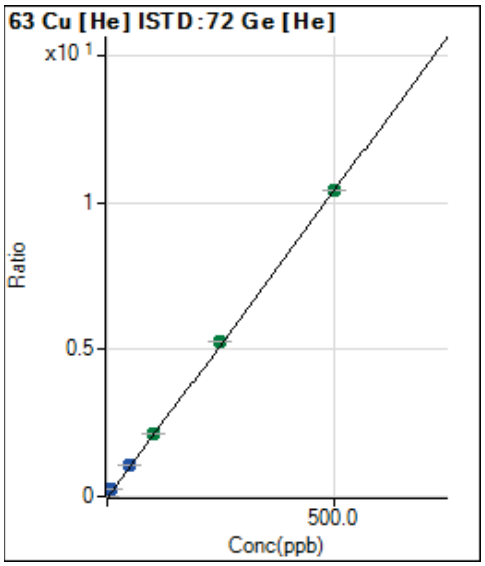
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	914.70	0.0014	P	5.0	
2	☐	0.500	0.534	3872.43	0.0057	P	1.4	6.8
3	☐	10.000	10.480	59193.90	0.0865	P	0.9	4.8
4	☐	50.000	50.943	280852.03	0.4153	P	1.3	1.9
5	☐	100.000	103.550	580399.31	0.8429	P	0.4	3.6
6	☐	250.000	251.749	1414150.92	2.0472	A	0.6	0.7
7	☐	500.000	498.312	2789511.75	4.0509	A	0.8	-0.3
8	☐			1363.39	0.0020	P	9.2	

y = 0.0081 * x + 0.0014
R = 1.0000
DL = 0.02511 ppb
BEC = 0.1662 ppb

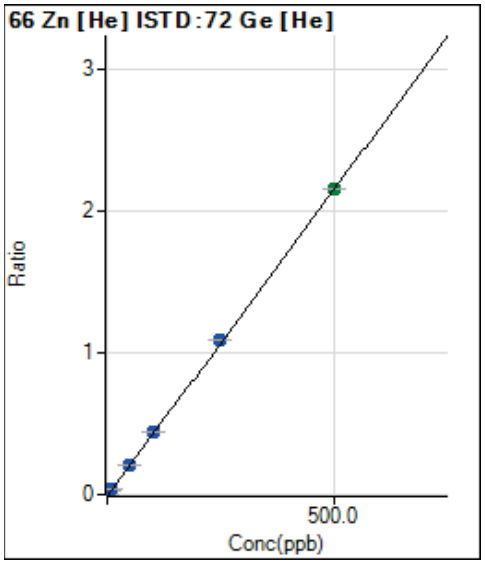
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	334.67	0.0005	P	7.2	
2	☐	1.000	1.206	17519.21	0.0258	P	1.1	20.6
3	☐	10.000	10.680	153367.66	0.2242	P	1.4	6.8
4	☐	50.000	51.411	728404.23	1.0772	P	0.7	2.8
5	☐	100.000	102.719	1481674.50	2.1517	A	0.9	2.7
6	☐	250.000	251.816	3643294.08	5.2743	A	0.8	0.7
7	☐	500.000	498.393	7187917.17	10.4384	A	0.4	-0.3
8	☐			2446.84	0.0036	P	5.3	

y = 0.0209 * x + 4.9417E-004
R = 1.0000
DL = 0.005078 ppb
BEC = 0.0236 ppb

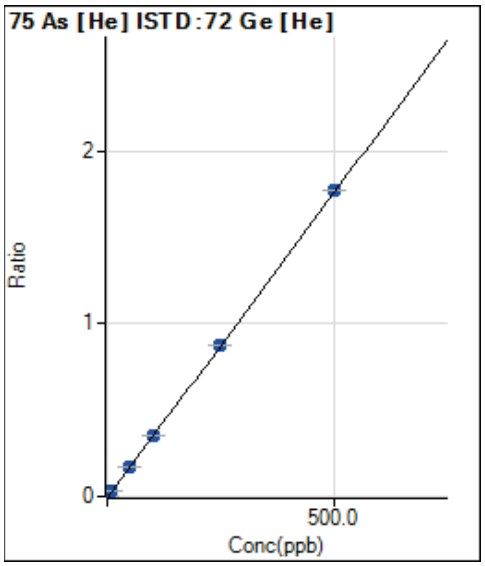
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	236.67	0.0003	P	7.0	
2	☐	5.000	5.219	15561.45	0.0229	P	3.5	4.4
3	☐	10.000	10.072	29986.32	0.0438	P	0.7	0.7
4	☐	50.000	49.295	144126.56	0.2131	P	0.3	-1.4
5	☐	100.000	102.092	303704.21	0.4410	P	0.4	2.1
6	☐	250.000	252.137	752068.50	1.0887	P	0.3	0.9
7	☐	500.000	498.580	1482278.71	2.1525	A	0.4	-0.3
8	☐			2182.81	0.0032	P	1.9	

y = 0.0043 * x + 3.4948E-004
R = 1.0000
DL = 0.01703 ppb
BEC = 0.08096 ppb

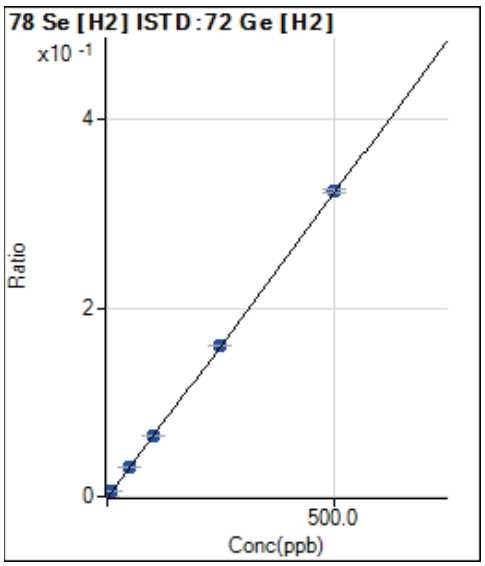
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	283.83	0.0004	P	4.0	
2	☐	0.500	0.501	1489.39	0.0022	P	2.0	0.1
3	☐	10.000	9.857	24132.41	0.0353	P	1.0	-1.4
4	☐	50.000	47.946	114921.35	0.1700	P	1.0	-4.1
5	☐	100.000	98.710	240629.35	0.3495	P	0.7	-1.3
6	☐	250.000	247.814	605576.42	0.8767	P	0.5	-0.9
7	☐	500.000	501.559	1221509.29	1.7739	P	0.5	0.3
8	☐			687.68	0.0010	P	3.6	

y = 0.0035 * x + 4.1918E-004
R = 1.0000
DL = 0.0142 ppb
BEC = 0.1185 ppb

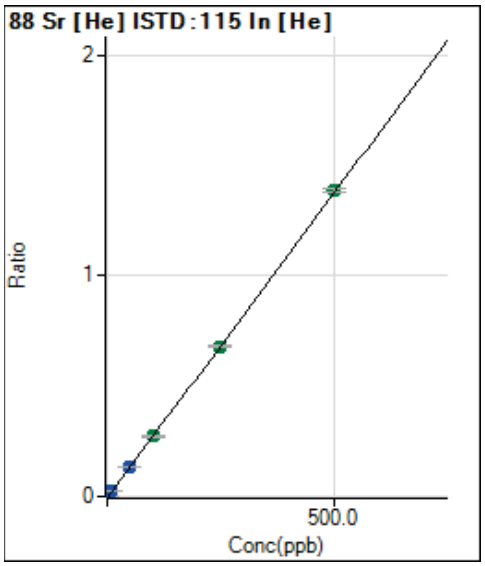
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	18.00	0.0000	P	32.6	
2	☐	0.500	0.512	620.01	0.0003	P	2.6	2.3
3	☐	10.000	10.022	11737.54	0.0065	P	1.8	0.2
4	☐	50.000	47.254	53827.05	0.0306	P	0.6	-5.5
5	☐	100.000	98.860	113735.25	0.0640	P	1.3	-1.1
6	☐	250.000	248.314	287453.95	0.1607	P	0.6	-0.7
7	☐	500.000	501.345	574500.73	0.3245	P	0.7	0.3
8	☐			124.67	0.0001	P	24.7	

y = 6.4720E-004 * x + 9.9538E-006
R = 1.0000
DL = 0.01502 ppb
BEC = 0.01538 ppb

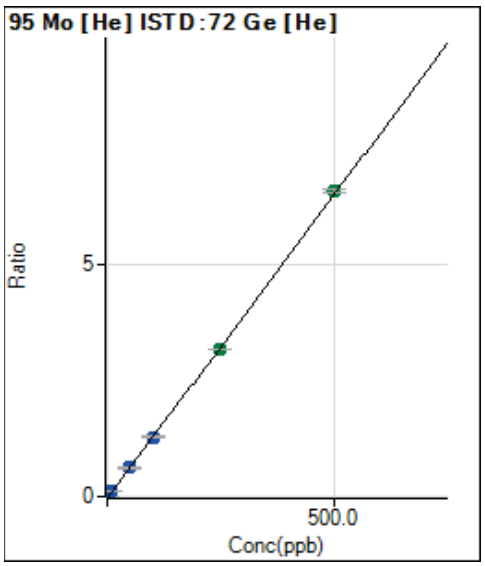
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	235.00	0.0000	P	3.9	
2	☐	0.500	0.485	9911.20	0.0014	P	3.9	-3.1
3	☐	10.000	9.756	195993.60	0.0270	P	1.8	-2.4
4	☐	50.000	48.605	931063.71	0.1344	P	1.5	-2.8
5	☐	100.000	98.579	1935049.76	0.2726	A	0.8	-1.4
6	☐	250.000	246.528	4817545.87	0.6816	A	0.9	-1.4
7	☐	500.000	502.164	9626773.81	1.3883	A	1.5	0.4
8	☐			10344.79	0.0015	P	1.3	

y = 0.0028 * x + 3.2241E-005
R = 1.0000
DL = 0.001374 ppb
BEC = 0.01166 ppb

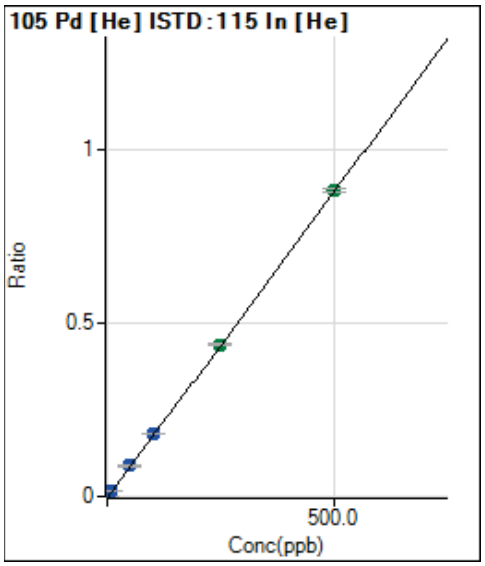
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	25.00	0.0000	P	69.6	
2	☐	0.500	0.509	4558.97	0.0067	P	2.0	1.9
3	☐	10.000	9.877	88447.64	0.1293	P	1.8	-1.2
4	☐	50.000	47.308	418642.61	0.6191	P	1.1	-5.4
5	☐	100.000	98.421	886862.23	1.2880	P	1.3	-1.6
6	☐	250.000	243.005	2196615.75	3.1800	A	0.9	-2.8
7	☐	500.000	504.085	4542281.81	6.5964	A	0.8	0.8
8	☐			1195.05	0.0018	P	6.9	

y = 0.0131 * x + 3.6963E-005
R = 0.9998
DL = 0.005894 ppb
BEC = 0.002825 ppb

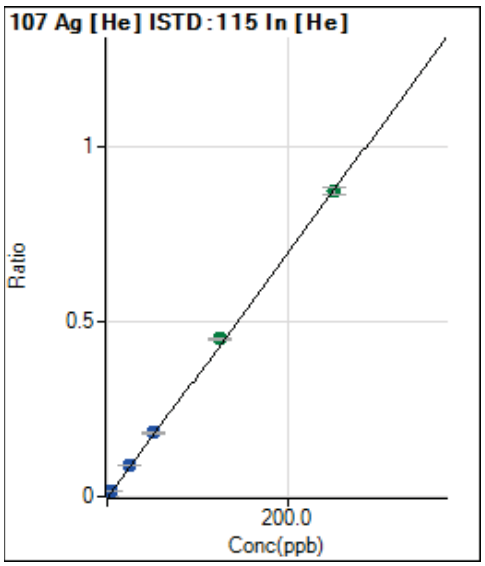
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	36.67	0.0000	P	110.	
2	☐	0.500	0.506	6491.34	0.0009	P	2.4	1.3
3	☐	10.000	10.014	128288.82	0.0177	P	1.7	0.1
4	☐	50.000	49.901	610019.48	0.0881	P	1.5	-0.2
5	☐	100.000	101.538	1272062.71	0.1792	P	1.0	1.5
6	☐	250.000	248.632	3101083.81	0.4387	A	0.9	-0.5
7	☐	500.000	500.386	6122653.03	0.8829	A	1.5	0.1
8	☐			526.68	0.0001	P	32.7	

y = 0.0018 * x + 5.0364E-006
R = 1.0000
DL = 0.009455 ppb
BEC = 0.002854 ppb

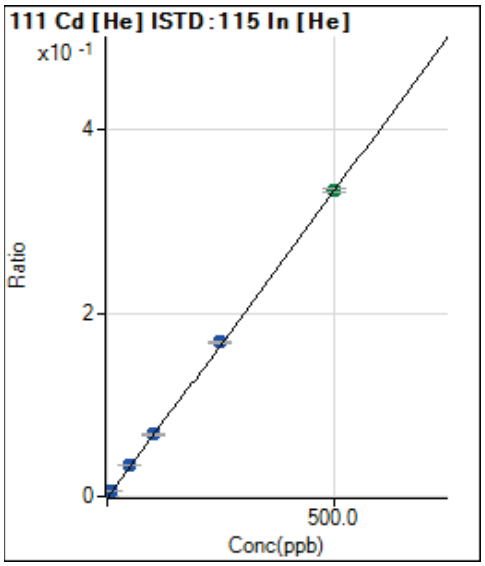
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	931.70	0.0001	P	15.5	
2	☐	0.500	0.443	12171.08	0.0017	P	2.7	-11.
3	☐	5.000	4.756	122317.34	0.0169	P	3.8	-4.9
4	☐	25.000	25.364	618855.73	0.0893	P	1.6	1.5
5	☐	50.000	51.905	1296703.03	0.1826	P	1.9	3.8
6	☐	125.000	128.114	3185273.08	0.4506	A	1.1	2.5
7	☐	250.000	248.031	6048764.49	0.8723	A	1.9	-0.8
8	☐			9179.23	0.0013	P	18.3	

y = 0.0035 * x + 1.2785E-004
R = 0.9999
DL = 0.01688 ppb
BEC = 0.03636 ppb

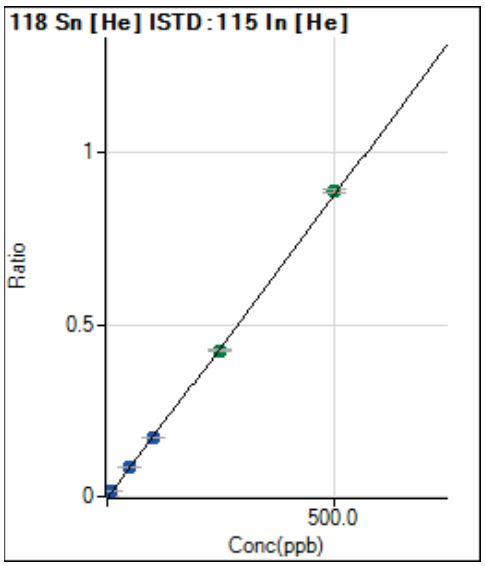
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	173.	
2	☐	0.080	0.067	326.98	0.0000	P	11.4	-16.
3	☐	10.000	9.912	48162.48	0.0066	P	1.4	-0.9
4	☐	50.000	50.018	231957.90	0.0335	P	0.9	0.0
5	☐	100.000	101.045	480226.80	0.0676	P	0.8	1.0
6	☐	250.000	251.798	1191383.73	0.1686	P	1.1	0.7
7	☐	500.000	498.892	2315881.71	0.3340	A	0.6	-0.2
8	☐			287.98	0.0000	P	4.0	

y = 6.6939E-004 * x + 4.5560E-007
R = 1.0000
DL = 0.003537 ppb
BEC = 0.0006806 ppb

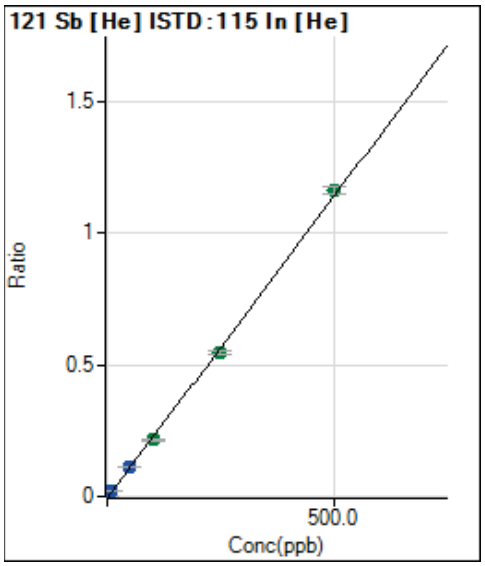
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	180.00	0.0000	P	14.7	
2	☐	0.500	0.483	6311.22	0.0009	P	7.6	-3.4
3	☐	10.000	9.433	120513.43	0.0166	P	1.4	-5.7
4	☐	50.000	48.386	589321.03	0.0851	P	0.9	-3.2
5	☐	100.000	97.347	1214860.45	0.1711	P	0.8	-2.7
6	☐	250.000	240.572	2988760.48	0.4228	A	1.2	-3.8
7	☐	500.000	505.417	6159774.28	0.8883	A	1.3	1.1
8	☐			953.37	0.0001	P	16.3	

y = 0.0018 * x + 2.4692E-005
R = 0.9997
DL = 0.006178 ppb
BEC = 0.01405 ppb

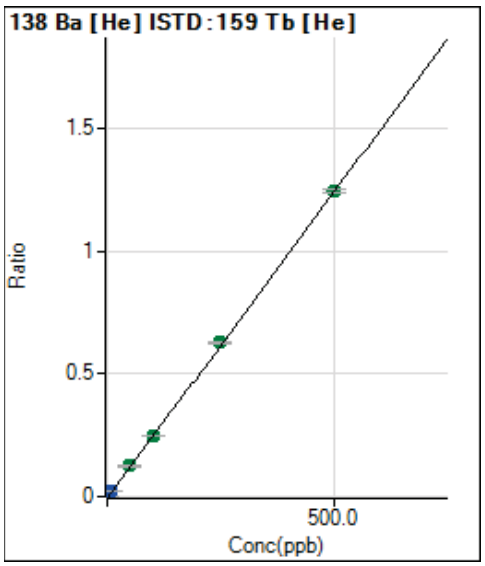
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	98.33	0.0000	P	23.8	
2	☐	0.500	0.509	8522.21	0.0012	P	2.1	1.7
3	☐	10.000	9.399	156541.45	0.0216	P	1.6	-6.0
4	☐	50.000	47.782	759158.87	0.1096	P	1.1	-4.4
5	☐	100.000	93.545	1523061.85	0.2145	A	1.5	-6.5
6	☐	250.000	238.293	3862386.82	0.5464	A	1.7	-4.7
7	☐	500.000	507.378	8067542.17	1.1635	A	2.0	1.5
8	☐			1648.44	0.0002	P	4.4	

y = 0.0023 * x + 1.3486E-005
R = 0.9995
DL = 0.004199 ppb
BEC = 0.005881 ppb

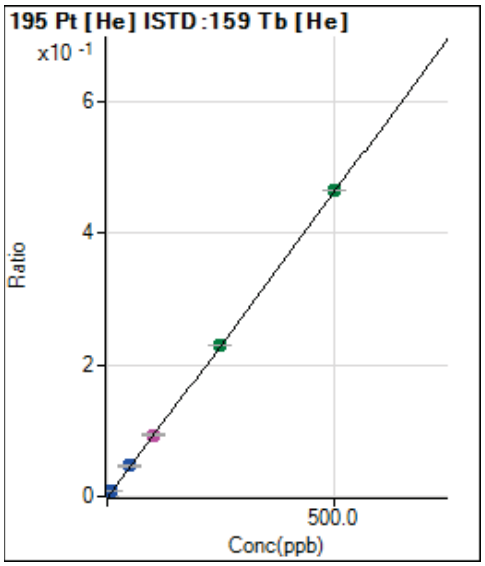
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	160.00	0.0000	P	32.9	
2	☐	0.300	0.307	12601.45	0.0008	P	3.7	2.5
3	☐	10.000	10.189	412012.06	0.0254	P	1.2	1.9
4	☐	50.000	49.629	1937877.78	0.1238	A	0.3	-0.7
5	☐	100.000	99.561	3935619.73	0.2484	A	1.5	-0.4
6	☐	250.000	251.641	9855220.48	0.6277	A	0.7	0.7
7	☐	500.000	499.301	20265918.03	1.2455	A	0.6	-0.1
8	☐			18830.59	0.0012	P	1.9	

y = 0.0025 * x + 9.8802E-006
R = 1.0000
DL = 0.003915 ppb
BEC = 0.003961 ppb

Weight: <None>
Min Conc: <None>

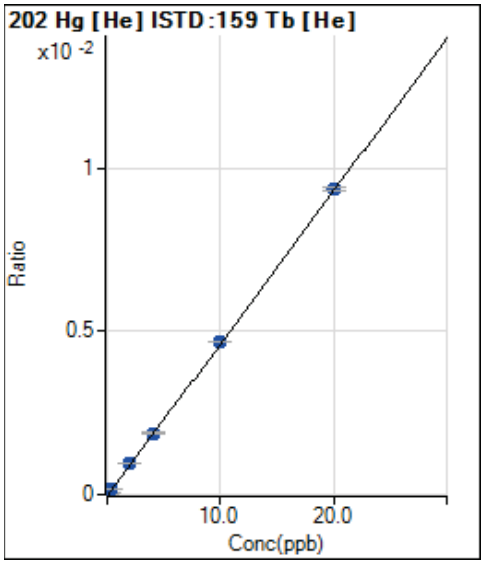


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	93.33	0.0000	P	63.1	
2	☐	0.500	0.519	7908.75	0.0005	P	7.4	3.8
3	☐	10.000	10.024	150866.67	0.0093	P	1.0	0.2
4	☐	50.000	49.997	726415.96	0.0464	P	1.5	0.0
5	☐	100.000	100.753	1482131.23	0.0935	M	1.6	0.8
6	☐	250.000	247.786	3611230.15	0.2300	A	0.4	-0.9
7	☐	500.000	500.956	7566458.64	0.4650	A	0.6	0.2
8	☐			600.03	0.0000	P	19.1	

y = 9.2823E-004 * x + 5.7692E-006
R = 1.0000
DL = 0.01176 ppb
BEC = 0.006215 ppb

Weight: <None>
Min Conc: <None>

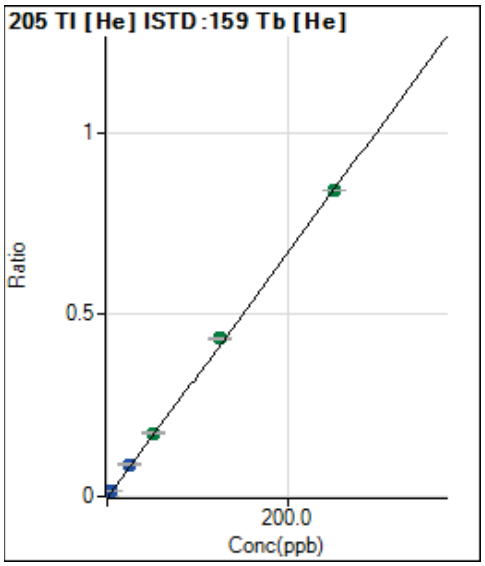
Calibration for 247_CCV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	80.00	0.0000	P	82.1	
2	☐	0.100	0.087	740.03	0.0000	P	9.7	-13.
3	☐	0.400	0.380	2963.68	0.0002	P	3.9	-5.0
4	☐	2.000	2.023	14907.24	0.0010	P	2.3	1.2
5	☐	4.000	4.003	29778.03	0.0019	P	1.6	0.1
6	☐	10.000	9.997	73551.66	0.0047	P	1.1	0.0
7	☐	20.000	19.999	152411.88	0.0094	P	1.2	0.0
8	☐			700.03	0.0000	P	5.5	

y = 4.6812E-004 * x + 4.9398E-006
R = 1.0000
DL = 0.02599 ppb
BEC = 0.01055 ppb

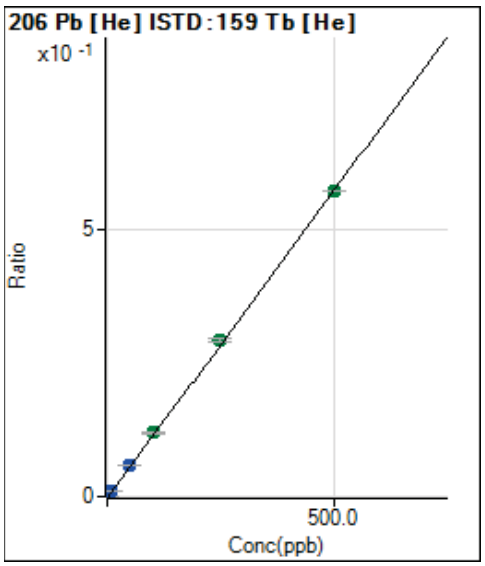
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	786.70	0.0000	P	2.8	
2	☐	0.100	0.092	5862.80	0.0004	P	4.9	-7.7
3	☐	5.000	4.981	274490.45	0.0169	P	3.7	-0.4
4	☐	25.000	26.004	1380996.34	0.0882	P	1.5	4.0
5	☐	50.000	51.113	2747569.75	0.1734	A	2.1	2.2
6	☐	125.000	128.000	6816193.85	0.4342	A	1.2	2.4
7	☐	250.000	248.177	13696413.55	0.8417	A	0.4	-0.7
8	☐			9202.89	0.0006	P	27.1	

y = 0.0034 * x + 4.8588E-005
R = 0.9999
DL = 0.001197 ppb
BEC = 0.01433 ppb

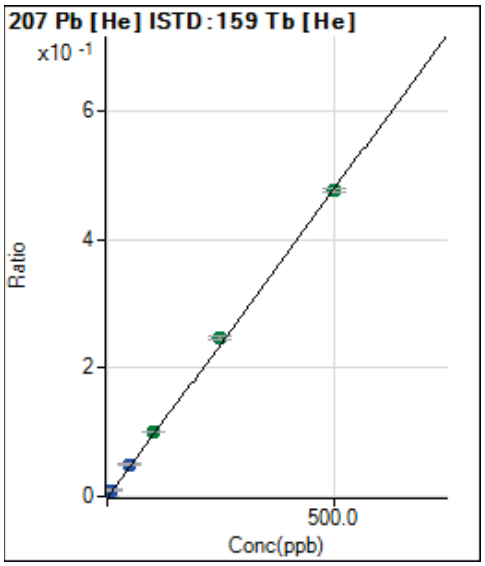
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	98.33	0.0000	P	28.1	
2	☐	0.500	0.525	9904.81	0.0006	P	2.7	4.9
3	☐	10.000	10.285	192069.00	0.0119	P	1.4	2.8
4	☐	50.000	51.368	926068.69	0.0592	P	2.2	2.7
5	☐	100.000	103.336	1886244.50	0.1190	A	2.4	3.3
6	☐	250.000	254.763	4607203.16	0.2935	A	1.8	1.9
7	☐	500.000	496.809	9311871.74	0.5723	A	0.6	-0.6
8	☐			7655.24	0.0005	P	1.0	

y = 0.0012 * x + 6.0737E-006
R = 0.9999
DL = 0.004449 ppb
BEC = 0.005273 ppb

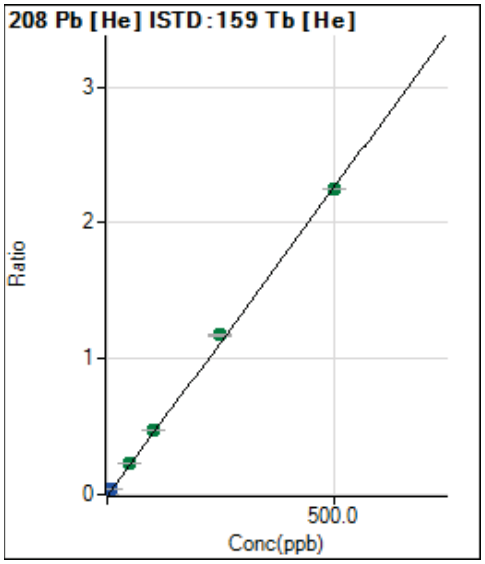
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1000.04	0.0001	P	1.7	
2	☐	0.500	0.524	9176.05	0.0006	P	6.3	4.8
3	☐	10.000	10.315	161752.20	0.0100	P	2.4	3.1
4	☐	50.000	51.600	777593.22	0.0497	P	2.4	3.2
5	☐	100.000	104.047	1586796.38	0.1001	A	1.5	4.0
6	☐	250.000	256.790	3878425.05	0.2470	A	1.6	2.7
7	☐	500.000	495.629	7757538.43	0.4767	A	1.0	-0.9
8	☐			7543.51	0.0005	P	5.5	

y = 9.6177E-004 * x + 6.1763E-005
R = 0.9998
DL = 0.003283 ppb
BEC = 0.06422 ppb

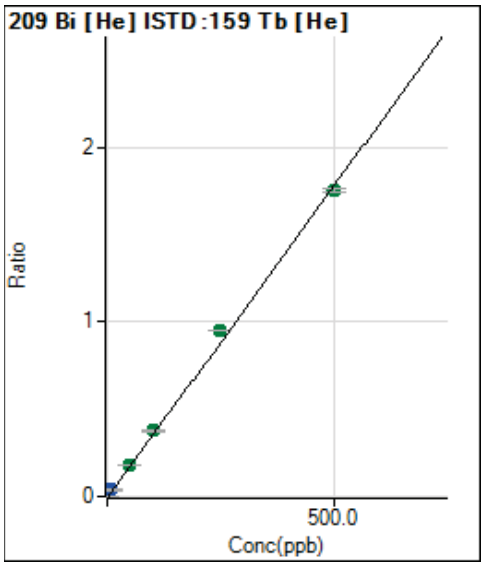
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1313.38	0.0001	P	3.7	
2	☐	0.500	0.519	39550.72	0.0024	P	3.7	3.8
3	☐	10.000	10.242	755220.11	0.0466	P	1.8	2.4
4	☐	50.000	50.543	3594652.81	0.2297	A	1.8	1.1
5	☐	100.000	103.719	7468041.56	0.4713	A	1.4	3.7
6	☐	250.000	258.304	18424418.27	1.1735	A	0.8	3.3
7	☐	500.000	495.045	36595649.46	2.2490	A	0.4	-1.0
8	☐			31301.99	0.0020	P	2.0	

y = 0.0045 * x + 8.1117E-005
R = 0.9998
DL = 0.001967 ppb
BEC = 0.01786 ppb

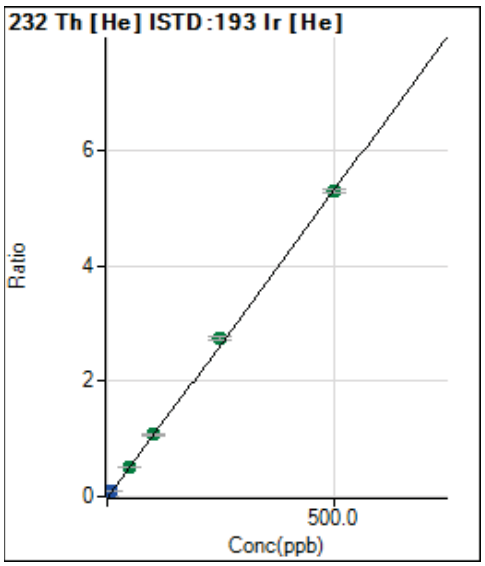
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1643.47	0.0001	P	15.3	
2	☐	0.500	0.508	31090.71	0.0019	P	3.8	1.6
3	☐	10.000	10.374	602501.62	0.0372	P	1.7	3.7
4	☐	50.000	50.611	2832747.67	0.1810	A	2.1	1.2
5	☐	100.000	105.444	5974420.33	0.3770	A	1.6	5.4
6	☐	250.000	266.602	14963948.95	0.9531	A	0.4	6.6
7	☐	500.000	490.542	28533571.24	1.7536	A	0.7	-1.9
8	☐			3307.08	0.0002	P	6.6	

y = 0.0036 * x + 1.0146E-004
R = 0.9991
DL = 0.01302 ppb
BEC = 0.02838 ppb

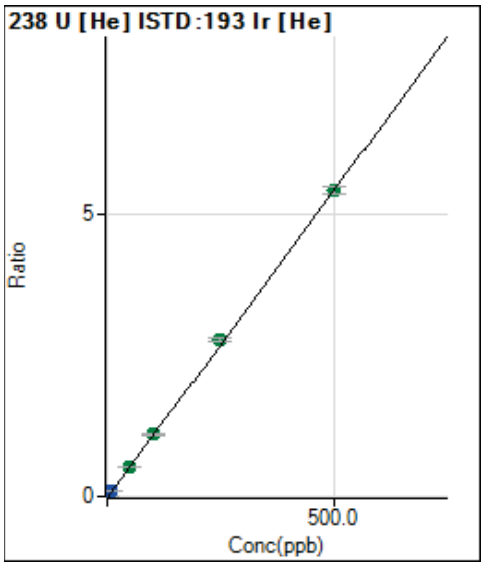
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	58.33	0.0000	P	14.1	
2	☐	0.500	0.487	40288.34	0.0052	P	1.6	-2.7
3	☐	10.000	9.717	807065.09	0.1036	P	0.9	-2.8
4	☐	50.000	47.313	3755907.76	0.5044	A	0.9	-5.4
5	☐	100.000	100.535	8091429.88	1.0718	A	0.8	0.5
6	☐	250.000	256.920	20222414.70	2.7390	A	2.5	2.8
7	☐	500.000	496.707	40026914.40	5.2953	A	1.4	-0.7
8	☐			7762.00	0.0011	P	4.1	

y = 0.0107 * x + 7.4693E-006
R = 0.9998
DL = 0.0002953 ppb
BEC = 0.0007006 ppb

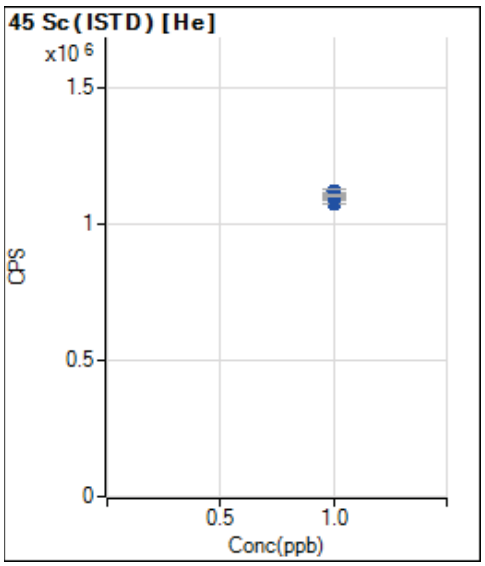
Weight: <None>
Min Conc: <None>



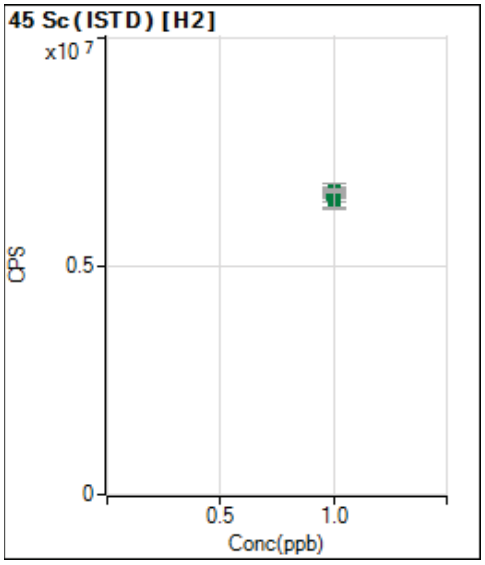
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	91.67	0.0000	P	13.4	
2	☐	0.500	0.487	41254.63	0.0053	P	2.8	-2.7
3	☐	10.000	9.864	838029.05	0.1076	P	0.8	-1.4
4	☐	50.000	48.015	3898808.28	0.5236	A	1.8	-4.0
5	☐	100.000	100.604	8282023.84	1.0970	A	0.8	0.6
6	☐	250.000	255.151	20543041.36	2.7823	A	2.1	2.1
7	☐	500.000	497.505	41001963.56	5.4250	A	2.8	-0.5
8	☐			2861.97	0.0004	P	13.7	

y = 0.0109 * x + 1.1735E-005
R = 0.9999
DL = 0.0004331 ppb
BEC = 0.001076 ppb

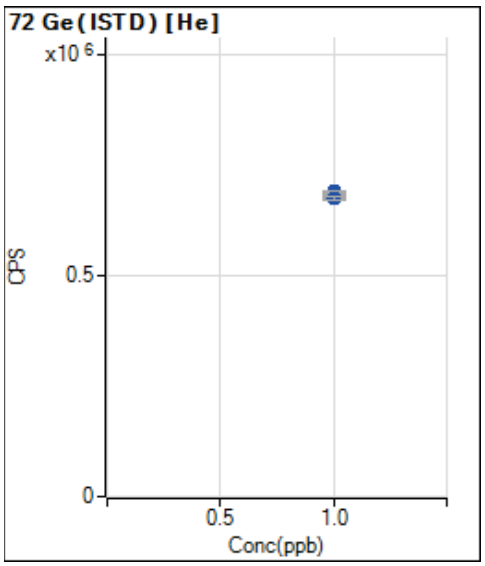
Weight: <None>
Min Conc: <None>



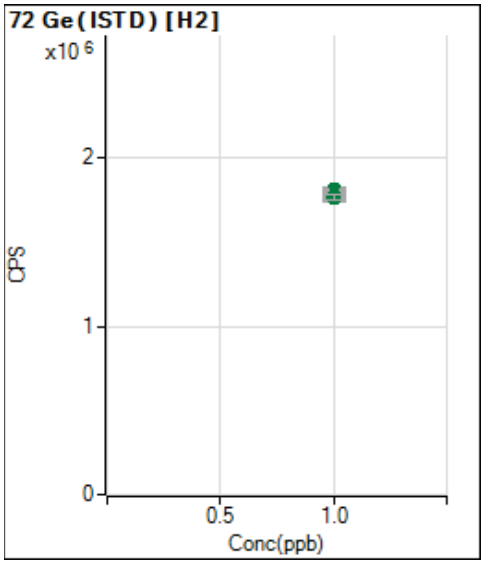
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1093627.00		P	0.3	
2	☐	1.000		1096040.42		P	0.4	
3	☐	1.000		1104547.91		P	0.8	
4	☐	1.000		1075339.50		P	0.4	
5	☐	1.000		1093406.00		P	0.4	
6	☐	1.000		1108587.12		P	0.2	
7	☐	1.000		1122091.87		P	0.8	
8	☐	1.000		1104366.92		P	0.8	



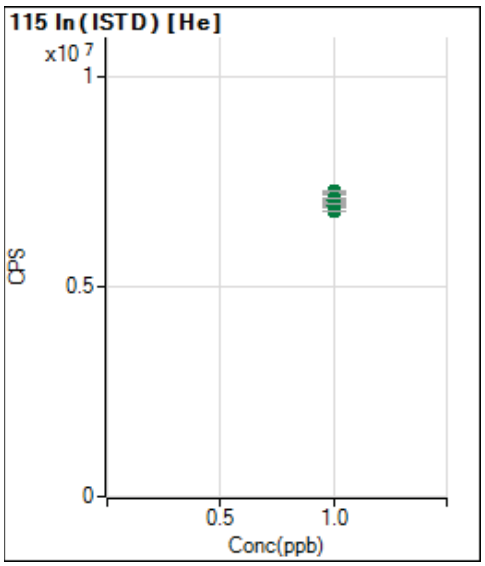
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		6702171.67		A	4.1	
2	☐	1.000		6662067.33		A	2.7	
3	☐	1.000		6678762.67		A	4.0	
4	☐	1.000		6399830.83		A	4.3	
5	☐	1.000		6535445.33		A	3.4	
6	☐	1.000		6600567.83		A	3.1	
7	☐	1.000		6485270.67		A	5.8	
8	☐	1.000		6460711.50		A	5.2	



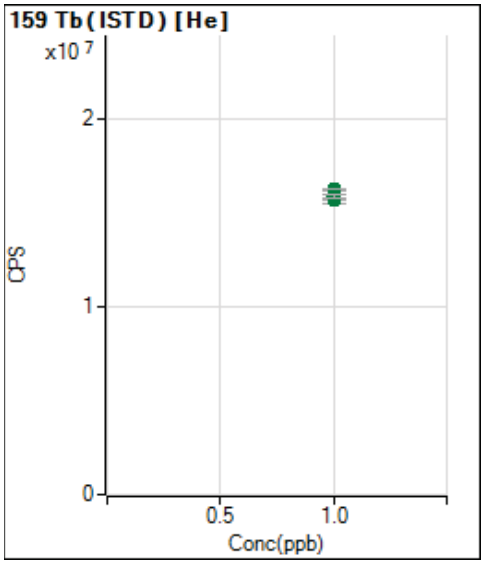
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		677141.46		P	0.3	
2	☐	1.000		680351.69		P	1.1	
3	☐	1.000		684185.54		P	1.1	
4	☐	1.000		676216.79		P	0.4	
5	☐	1.000		688616.38		P	0.7	
6	☐	1.000		690773.98		P	0.3	
7	☐	1.000		688610.67		P	0.4	
8	☐	1.000		673185.19		P	1.0	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1813853.50		A	1.9	
2	☐	1.000		1817665.00		A	0.6	
3	☐	1.000		1806887.50		A	1.2	
4	☐	1.000		1759347.17		A	1.5	
5	☐	1.000		1777489.75		A	1.6	
6	☐	1.000		1788615.96		A	1.7	
7	☐	1.000		1770659.33		A	1.8	
8	☐	1.000		1766596.75		A	1.9	

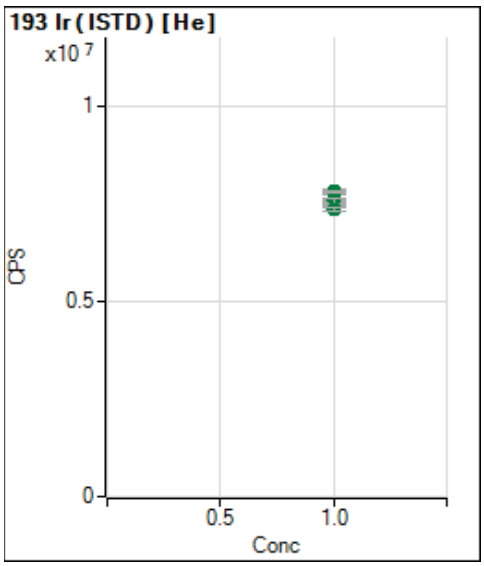


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		7289393.47		A	0.3	
2	☐	1.000		7223627.04		A	0.1	
3	☐	1.000		7258568.34		A	0.4	
4	☐	1.000		6928184.51		A	0.9	
5	☐	1.000		7099843.59		A	0.5	
6	☐	1.000		7068790.56		A	0.7	
7	☐	1.000		6935091.63		A	1.2	
8	☐	1.000		6816200.27		A	0.0	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		16192219.34		A	0.4	
2	☐	1.000		16224823.09		A	0.9	
3	☐	1.000		16205396.84		A	0.7	
4	☐	1.000		15653340.60		A	1.8	
5	☐	1.000		15849603.52		A	1.8	
6	☐	1.000		15700546.44		A	0.4	
7	☐	1.000		16271878.51		A	0.4	
8	☐	1.000		15877777.68		A	1.2	

Calibration for 247_CCV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		7817221.97		A	1.0	
2	☐	1.000		7755540.09		A	0.3	
3	☐	1.000		7789919.05		A	0.3	
4	☐	1.000		7446264.06		A	0.3	
5	☐	1.000		7549684.47		A	0.6	
6	☐	1.000		7385515.93		A	1.9	
7	☐	1.000		7559972.18		A	1.4	
8	☐	1.000		7337677.81		A	1.2	

Sample Name	System Blank EPA Tune 365220
Sample Type	CalBlk
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	001CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:10:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.001684	749.5	70.667
Be	9	2	H2	-0.003932		3.833
B	11	2	H2	0.151862	332.5	3203.670
Na	23	1	He	0.906957	24.4	20187.717
Mg	24	1	He	1.326493	22.5	5149.103
Al	27	1	He	-0.006982		256.667
Si	28	2	H2	0.306471	41.2	14225.513
K	39	1	He	-2.049279		132637.813
Ca	43	1	He	0.750957	57.7	14.863
Ca	44	1	He	0.904350	16.2	270.367
Ti	47	1	He	0.007157	56.2	7.333
V	51	1	He	-0.049972		-2504.783
Cr	52	1	He	0.003818	56.8	650.680
Mn	55	1	He	0.011854	70.2	1129.373
Fe	56	1	He	0.236948	13.4	21467.410
Co	59	1	He	0.002459	49.4	166.667
Ni	60	1	He	0.062043	19.2	1276.713
Cu	63	1	He	0.003707	60.4	393.343
Zn	66	1	He	-0.012730		202.667
As	75	1	He	-0.001560		284.667
Se	78	2	H2	0.000067	4583.5	18.000
Sr	88	1	He	0.013135	14.8	498.343
Mo	95	1	He	0.006430	32.6	83.333
Pd	105	1	He	0.007020	17.0	126.667
Ag	107	1	He	2.425486	65.7	62761.713
Cd	111	1	He	0.001019	153.1	8.310
Sn	118	1	He	0.003427	11.4	223.333
Sb	121	1	He	0.001407	169.2	121.667
Ba	138	1	He	0.001143	50.6	205.003
Pt	195	1	He	0.000692	47.7	103.333
Hg	202	1	He	-0.002131		63.333
Tl	205	1	He	0.003322	70.2	965.037
Pb	206	1	He	0.001828	97.7	131.667
Pb	207	1	He	0.006658	73.3	1098.380
Pb	208	1	He	0.003300	46.7	1548.390
Bi	209	1	He	0.005018	25.2	1923.490
Th	232	1	He	0.004076	33.7	395.010
U	238	1	He	0.000625	55.8	143.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100	1112252.333
Sc	45	2	H2	100	6733108.667
Ge	72	1	He	100	688066.833
Ge	72	2	H2	100	1800551.500
In	115	1	He	100	7270684.027
Tb	159	1	He	100	16111948.093
Ir	193	1	He	100	7738778.217

Sample Name	System Blank
Sample Type	CalBlk
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	002CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:15:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.010999	62.7	73.167
Be	9	2	H2	-0.000698		5.667
B	11	2	H2	0.158425	197.3	3010.300
Na	23	1	He	0.562612	60.3	18517.687
Mg	24	1	He	0.779815	12.8	4312.213
Al	27	1	He	-0.039947		225.000
Si	28	2	H2	0.169056	116.9	12727.167
K	39	1	He	5.192883	27.9	137461.237
Ca	43	1	He	0.165706	911.0	11.260
Ca	44	1	He	0.225508	196.1	201.467
Ti	47	1	He	0.005349	124.9	6.000
V	51	1	He	-0.005585		-1829.833
Cr	52	1	He	0.007939	46.8	678.683
Mn	55	1	He	-0.012404		802.020
Fe	56	1	He	0.020374	98.5	17473.107
Co	59	1	He	-0.000612		91.333
Ni	60	1	He	0.025969	22.1	1018.030
Cu	63	1	He	0.002282	179.8	353.337
Zn	66	1	He	-0.014139		188.000
As	75	1	He	0.004687	167.1	284.000
Se	78	2	H2	0.000734	340.1	18.000
Sr	88	1	He	0.005216	16.5	325.010
Mo	95	1	He	0.000497	179.9	28.333
Pd	105	1	He	0.002300	81.9	63.333
Ag	107	1	He	0.058456	12.7	2321.843
Cd	111	1	He	0.000034	3643.3	3.323
Sn	118	1	He	0.002156	115.5	198.333
Sb	121	1	He	0.001733	126.9	121.667
Ba	138	1	He	-0.000262		143.333
Pt	195	1	He	-0.002050		60.000
Hg	202	1	He	-0.001857		63.333
Tl	205	1	He	0.001073	121.0	811.693
Pb	206	1	He	0.000688	208.9	106.667
Pb	207	1	He	0.005878	161.7	1048.380
Pb	208	1	He	0.002200	125.9	1416.717
Bi	209	1	He	0.002807	46.1	1733.473
Th	232	1	He	0.000477	27.6	93.333
U	238	1	He	-0.000233		68.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100	1056624.500
Sc	45	2	H2	100	6307953.333
Ge	72	1	He	100	651709.583
Ge	72	2	H2	100	1723966.750
In	115	1	He	100	6964919.223
Tb	159	1	He	100	15547363.937
Ir	193	1	He	100	7434720.510

Sample Name	System Blank
Sample Type	CalBlk
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	003CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:19:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.006587	159.8	72.667
Be	9	2	H2	-0.005012		3.000
B	11	2	H2	0.088201	350.1	3083.653
Na	23	1	He	1.091991	7.4	20321.190
Mg	24	1	He	0.393321	25.1	4058.820
Al	27	1	He	0.482050	88.5	546.450
Si	28	2	H2	0.022203	683.7	12582.437
K	39	1	He	-0.297401		133971.177
Ca	43	1	He	0.894437	62.7	15.393
Ca	44	1	He	2.514203	23.6	403.490
Ti	47	1	He	0.004860	261.2	6.000
V	51	1	He	-0.036560		-2300.393
Cr	52	1	He	0.016525	129.7	838.843
Mn	55	1	He	0.030062	30.9	1327.387
Fe	56	1	He	0.098751	8.4	19279.623
Co	59	1	He	0.001413	96.0	140.000
Ni	60	1	He	0.002773	474.1	927.360
Cu	63	1	He	0.001581	130.1	356.003
Zn	66	1	He	0.029979	28.5	323.333
As	75	1	He	-0.004431		272.500
Se	78	2	H2	-0.006189		10.667
Sr	88	1	He	0.003608	101.2	303.340
Mo	95	1	He	0.001703	115.2	40.000
Pd	105	1	He	0.002160	154.0	63.333
Ag	107	1	He	0.013493	14.7	1258.390
Cd	111	1	He	0.001399	75.1	9.983
Sn	118	1	He	0.052383	8.4	838.360
Sb	121	1	He	0.002207	113.5	133.333
Ba	138	1	He	0.002888	22.6	276.670
Pt	195	1	He	0.004199	99.9	156.670
Hg	202	1	He	-0.004402		46.667
Tl	205	1	He	0.000421	375.5	810.027
Pb	206	1	He	0.000805	203.0	113.333
Pb	207	1	He	0.006708	78.8	1105.053
Pb	208	1	He	0.002213	34.5	1476.723
Bi	209	1	He	-0.000516		1613.457
Th	232	1	He	0.000308	79.2	83.333
U	238	1	He	-0.000008		90.000

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100	1099268.917
Sc	45	2	H2	100	6565504.000
Ge	72	1	He	100	675252.000
Ge	72	2	H2	100	1792626.747
In	115	1	He	100	7180002.107
Tb	159	1	He	100	16197209.760
Ir	193	1	He	100	7736391.760

Sample Name	CAL 0
Sample Type	CalBlk
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	004CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:22:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.000000	N/A	69.167
Be	9	2	H2	0.000000	N/A	6.500
B	11	2	H2	0.000000	N/A	3083.673
Na	23	1	He	0.000000	N/A	18053.867
Mg	24	1	He	0.000000	N/A	3605.380
Al	27	1	He	0.000000	N/A	256.667
Si	28	2	H2	0.000000	N/A	12742.450
K	39	1	He	0.000000	N/A	133774.347
Ca	43	1	He	0.000000	N/A	10.823
Ca	44	1	He	0.000000	N/A	189.573
Ti	47	1	He	0.000000	N/A	3.333
V	51	1	He	0.000000	N/A	-1823.937
Cr	52	1	He	0.000000	N/A	581.343
Mn	55	1	He	0.000000	N/A	973.363
Fe	56	1	He	0.000000	N/A	17801.423
Co	59	1	He	0.000000	N/A	108.667
Ni	60	1	He	0.000000	N/A	914.697
Cu	63	1	He	0.000000	N/A	334.670
Zn	66	1	He	0.000000	N/A	236.667
As	75	1	He	0.000000	N/A	283.833
Se	78	2	H2	0.000000	N/A	18.000
Sr	88	1	He	0.000000	N/A	235.000
Mo	95	1	He	0.000000	N/A	25.000
Pd	105	1	He	0.000000	N/A	36.667
Ag	107	1	He	0.000000	N/A	931.700
Cd	111	1	He	0.000000	N/A	3.330
Sn	118	1	He	0.000000	N/A	180.000
Sb	121	1	He	0.000000	N/A	98.333
Ba	138	1	He	0.000000	N/A	160.000
Pt	195	1	He	0.000000	N/A	93.333
Hg	202	1	He	0.000000	N/A	80.000
Tl	205	1	He	0.000000	N/A	786.697
Pb	206	1	He	0.000000	N/A	98.333
Pb	207	1	He	0.000000	N/A	1000.043
Pb	208	1	He	0.000000	N/A	1313.377
Bi	209	1	He	0.000000	N/A	1643.467
Th	232	1	He	0.000000	N/A	58.333
U	238	1	He	0.000000	N/A	91.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100	1093627.000
Sc	45	2	H2	100	6702171.667
Ge	72	1	He	100	677141.457
Ge	72	2	H2	100	1813853.500
In	115	1	He	100	7289393.470
Tb	159	1	He	100	16192219.343
Ir	193	1	He	100	7817221.967

Sample Name	CAL 1
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	005CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:26:50
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.510169	6.2	473.343
Be	9	2	H2	0.202564	5.7	143.500
B	11	2	H2	9.610277	7.9	9899.483
Na	23	1	He	52.481338	1.6	122286.067
Mg	24	1	He	32.410644	0.7	39356.857
Al	27	1	He	31.688001	1.9	19184.223
Si	28	2	H2	104.474585	7.8	493267.040
K	39	1	He	109.550297	1.2	313989.207
Ca	43	1	He	105.363926	0.8	542.253
Ca	44	1	He	103.541369	1.0	8935.437
Ti	47	1	He	0.981276	9.9	534.677
V	51	1	He	1.071698	1.5	11902.573
Cr	52	1	He	2.095252	0.8	32665.317
Mn	55	1	He	0.520647	2.8	6998.713
Fe	56	1	He	53.611911	0.3	768384.043
Co	59	1	He	0.541344	1.9	12336.903
Ni	60	1	He	0.534104	1.8	3872.427
Cu	63	1	He	1.206037	1.1	17519.213
Zn	66	1	He	5.218666	3.5	15561.450
As	75	1	He	0.500654	2.5	1489.393
Se	78	2	H2	0.511719	2.7	620.010
Sr	88	1	He	0.484649	4.0	9911.200
Mo	95	1	He	0.509251	2.1	4558.973
Pd	105	1	He	0.506424	2.4	6491.337
Ag	107	1	He	0.442787	2.9	12171.083
Cd	111	1	He	0.066939	11.5	326.977
Sn	118	1	He	0.483058	7.9	6311.220
Sb	121	1	He	0.508608	2.2	8522.207
Ba	138	1	He	0.307473	3.7	12601.453
Pt	195	1	He	0.519050	7.5	7908.747
Hg	202	1	He	0.086831	10.9	740.033
Tl	205	1	He	0.092251	5.7	5862.797
Pb	206	1	He	0.524718	2.7	9904.807
Pb	207	1	He	0.523992	7.1	9176.050
Pb	208	1	He	0.518851	3.9	39550.720
Bi	209	1	He	0.507819	4.0	31090.707
Th	232	1	He	0.486581	1.6	40288.337
U	238	1	He	0.486723	2.8	41254.627

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.2206803	1096040.420
Sc	45	2	H2	99.40162181	6662067.333
Ge	72	1	He	100.4740860	680351.690
Ge	72	2	H2	100.2101329	1817665.003
In	115	1	He	99.09777907	7223627.037
Tb	159	1	He	100.2013544	16224823.093
Ir	193	1	He	99.21094889	7755540.090

Sample Name	CAL 2
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	006CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:30:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	10.516838	4.4	8438.223
Be	9	2	H2	10.644153	4.4	7229.560
B	11	2	H2	10.679562	10.5	10696.580
Na	23	1	He	255.511216	0.7	529470.487
Mg	24	1	He	259.224158	0.9	291743.637
Al	27	1	He	255.375583	0.5	153972.290
Si	28	2	H2	131.091895	6.5	617451.940
K	39	1	He	259.842988	2.6	565151.037
Ca	43	1	He	248.157674	0.8	1272.293
Ca	44	1	He	247.297339	4.4	21243.890
Ti	47	1	He	9.731005	1.4	5313.453
V	51	1	He	10.217011	2.9	130044.440
Cr	52	1	He	10.391587	1.2	160933.083
Mn	55	1	He	10.346105	0.7	121596.967
Fe	56	1	He	130.191067	1.6	1854594.500
Co	59	1	He	10.581871	1.1	240474.633
Ni	60	1	He	10.480496	0.9	59193.900
Cu	63	1	He	10.680209	1.4	153367.660
Zn	66	1	He	10.072232	0.7	29986.320
As	75	1	He	9.857386	1.0	24132.410
Se	78	2	H2	10.022205	1.8	11737.543
Sr	88	1	He	9.756212	1.8	195993.597
Mo	95	1	He	9.877126	1.8	88447.643
Pd	105	1	He	10.013519	1.7	128288.820
Ag	107	1	He	4.755911	3.9	122317.343
Cd	111	1	He	9.911667	1.4	48162.480
Sn	118	1	He	9.433200	1.4	120513.430
Sb	121	1	He	9.399357	1.6	156541.453
Ba	138	1	He	10.189228	1.2	412012.063
Pt	195	1	He	10.023679	1.0	150866.670
Hg	202	1	He	0.380085	4.1	2963.680
Tl	205	1	He	4.980955	3.7	274490.447
Pb	206	1	He	10.284855	1.4	192069.000
Pb	207	1	He	10.314984	2.4	161752.200
Pb	208	1	He	10.241516	1.8	755220.113
Bi	209	1	He	10.373555	1.7	602501.620
Th	232	1	He	9.717434	0.9	807065.093
U	238	1	He	9.864431	0.8	838029.050

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.9985958	1104547.913
Sc	45	2	H2	99.65072515	6678762.667
Ge	72	1	He	101.0402681	684185.543
Ge	72	2	H2	99.61595575	1806887.500
In	115	1	He	99.57712357	7258568.343
Tb	159	1	He	100.0813816	16205396.843
Ir	193	1	He	99.65073376	7789919.050

Sample Name	CAL 3
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	007CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:34:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	50.520079	4.2	38592.537
Be	9	2	H2	50.972075	4.7	33163.510
B	11	2	H2	48.995496	4.6	36426.040
Na	23	1	He	1234.556214	1.5	2422409.393
Mg	24	1	He	1235.499649	1.6	1340299.093
Al	27	1	He	1242.031422	0.9	728078.837
Si	28	2	H2	616.412341	5.5	2736828.417
K	39	1	He	1231.765038	1.0	2116340.543
Ca	43	1	He	1237.779022	0.3	6135.600
Ca	44	1	He	1216.866698	2.2	101018.533
Ti	47	1	He	47.110516	0.7	25030.500
V	51	1	He	50.622866	1.2	634443.470
Cr	52	1	He	50.865941	0.9	764730.230
Mn	55	1	He	50.614672	1.4	575417.647
Fe	56	1	He	626.320138	1.3	8619843.000
Co	59	1	He	50.521466	0.5	1134397.167
Ni	60	1	He	50.942824	1.3	280852.030
Cu	63	1	He	51.411046	0.7	728404.230
Zn	66	1	He	49.294948	0.3	144126.563
As	75	1	He	47.946003	1.0	114921.353
Se	78	2	H2	47.254487	0.6	53827.053
Sr	88	1	He	48.604523	1.5	931063.710
Mo	95	1	He	47.308269	1.1	418642.610
Pd	105	1	He	49.900964	1.5	610019.480
Ag	107	1	He	25.364010	1.6	618855.733
Cd	111	1	He	50.018177	0.9	231957.897
Sn	118	1	He	48.386062	0.9	589321.033
Sb	121	1	He	47.782343	1.1	759158.867
Ba	138	1	He	49.629019	0.3	1937877.783
Pt	195	1	He	49.996756	1.5	726415.957
Hg	202	1	He	2.023306	2.3	14907.240
Tl	205	1	He	26.004053	1.5	1380996.337
Pb	206	1	He	51.368331	2.2	926068.687
Pb	207	1	He	51.600007	2.4	777593.217
Pb	208	1	He	50.543081	1.8	3594652.810
Bi	209	1	He	50.610903	2.1	2832747.667
Th	232	1	He	47.313112	0.9	3755907.757
U	238	1	He	48.015094	1.8	3898808.277

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	98.32781195	1075339.500
Sc	45	2	H2	95.48891242	6399830.833
Ge	72	1	He	99.86344556	676216.790
Ge	72	2	H2	96.99499803	1759347.167
In	115	1	He	95.04473234	6928184.513
Tb	159	1	He	96.67198960	15653340.600
Ir	193	1	He	95.25460692	7446264.057

Sample Name	CAL 4
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	008CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:38:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	104.429732	4.6	81383.470
Be	9	2	H2	105.027184	4.5	69748.700
B	11	2	H2	101.564918	8.2	73913.597
Na	23	1	He	2543.817389	0.4	5056242.110
Mg	24	1	He	2557.422805	1.1	2817140.477
Al	27	1	He	2531.582630	0.7	1508685.623
Si	28	2	H2	1281.165033	6.5	5794289.333
K	39	1	He	2541.859848	1.3	4298345.353
Ca	43	1	He	2563.429470	1.8	12908.263
Ca	44	1	He	2549.516458	0.9	215008.817
Ti	47	1	He	97.258389	0.9	52538.637
V	51	1	He	100.861507	1.1	1287103.300
Cr	52	1	He	102.032909	0.6	1559173.500
Mn	55	1	He	102.832095	0.5	1187745.083
Fe	56	1	He	1277.098105	0.5	17853582.000
Co	59	1	He	102.097350	0.0	2334415.083
Ni	60	1	He	103.550361	0.4	580399.310
Cu	63	1	He	102.718533	0.9	1481674.503
Zn	66	1	He	102.091591	0.4	303704.207
As	75	1	He	98.710076	0.7	240629.347
Se	78	2	H2	98.859667	1.3	113735.250
Sr	88	1	He	98.579152	0.8	1935049.763
Mo	95	1	He	98.420662	1.3	886862.227
Pd	105	1	He	101.537985	1.0	1272062.713
Ag	107	1	He	51.904865	1.9	1296703.027
Cd	111	1	He	101.044925	0.8	480226.800
Sn	118	1	He	97.346916	0.8	1214860.447
Sb	121	1	He	93.544700	1.5	1523061.853
Ba	138	1	He	99.560924	1.5	3935619.730
Pt	195	1	He	100.752779	1.6	1482131.227
Hg	202	1	He	4.002670	1.6	29778.027
Tl	205	1	He	51.113131	2.1	2747569.750
Pb	206	1	He	103.336300	2.4	1886244.503
Pb	207	1	He	104.046783	1.5	1586796.383
Pb	208	1	He	103.718729	1.4	7468041.557
Bi	209	1	He	105.444108	1.6	5974420.330
Th	232	1	He	100.535199	0.8	8091429.880
U	238	1	He	100.603868	0.8	8282023.837

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.97979201	1093406.000
Sc	45	2	H2	97.51235358	6535445.333
Ge	72	1	He	101.6946119	688616.377
Ge	72	2	H2	97.99522103	1777489.747
In	115	1	He	97.39964807	7099843.587
Tb	159	1	He	97.88407123	15849603.517
Ir	193	1	He	96.57758858	7549684.470

Sample Name	CAL 5
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	009CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:42:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	255.069899	5.1	200641.927
Be	9	2	H2	255.740584	4.8	171510.963
B	11	2	H2	249.171541	7.7	178707.103
Na	23	1	He	6267.854195	0.6	12604726.893
Mg	24	1	He	6251.565613	0.4	6976960.523
Al	27	1	He	6204.707037	0.3	3748680.667
Si	28	2	H2	3113.864656	8.3	14208806.000
K	39	1	He	6257.128550	0.5	10529996.090
Ca	43	1	He	6311.143530	0.4	32206.450
Ca	44	1	He	6304.641600	2.1	538788.700
Ti	47	1	He	240.557094	1.1	131748.330
V	51	1	He	249.463248	0.7	3230433.527
Cr	52	1	He	249.183500	0.4	3859851.833
Mn	55	1	He	248.988469	0.4	2914384.833
Fe	56	1	He	3157.156525	0.6	44722581.333
Co	59	1	He	251.463770	0.3	5767475.667
Ni	60	1	He	251.748935	0.6	1414150.917
Cu	63	1	He	251.816058	0.8	3643294.083
Zn	66	1	He	252.137227	0.3	752068.500
As	75	1	He	247.813926	0.5	605576.417
Se	78	2	H2	248.314279	0.6	287453.947
Sr	88	1	He	246.528304	0.9	4817545.867
Mo	95	1	He	243.004916	0.9	2196615.750
Pd	105	1	He	248.631872	0.9	3101083.807
Ag	107	1	He	128.114078	1.1	3185273.080
Cd	111	1	He	251.797691	1.1	1191383.733
Sn	118	1	He	240.572470	1.2	2988760.477
Sb	121	1	He	238.292825	1.7	3862386.820
Ba	138	1	He	251.640636	0.7	9855220.477
Pt	195	1	He	247.785833	0.4	3611230.153
Hg	202	1	He	9.996915	1.1	73551.663
Tl	205	1	He	127.999966	1.2	6816193.853
Pb	206	1	He	254.762777	1.8	4607203.160
Pb	207	1	He	256.790078	1.6	3878425.047
Pb	208	1	He	258.304274	0.8	18424418.267
Bi	209	1	He	266.602135	0.4	14963948.947
Th	232	1	He	256.919827	2.5	20222414.700
U	238	1	He	255.150605	2.1	20543041.360

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.3679365	1108587.123
Sc	45	2	H2	98.48401625	6600567.833
Ge	72	1	He	102.0132464	690773.983
Ge	72	2	H2	98.60862302	1788615.960
In	115	1	He	96.97364523	7068790.563
Tb	159	1	He	96.96352367	15700546.437
Ir	193	1	He	94.47750063	7385515.933

Sample Name	CAL 6
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	010CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:46:02
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	496.516749	2.1	383640.423
Be	9	2	H2	496.014180	2.1	326794.427
B	11	2	H2	500.195900	3.4	349388.760
Na	23	1	He	25040.95008	1.6	50911537.573
Mg	24	1	He	25129.06032	1.1	28373874.580
Al	27	1	He	25014.01501	1.4	15294900.667
Si	28	2	H2	11842.89984	5.8	53092864.000
K	39	1	He	25072.45980	1.1	42293527.700
Ca	43	1	He	25252.85363	1.0	130397.990
Ca	44	1	He	24877.78453	1.7	2151164.917
Ti	47	1	He	505.564141	0.8	280248.617
V	51	1	He	500.029304	1.8	6555303.213
Cr	52	1	He	499.906861	1.6	7836676.500
Mn	55	1	He	499.870937	0.9	5920965.667
Fe	56	1	He	12637.74649	0.7	181141290.667
Co	59	1	He	498.784820	0.5	11403940.000
Ni	60	1	He	498.311534	0.8	2789511.750
Cu	63	1	He	498.393143	0.4	7187917.167
Zn	66	1	He	498.579942	0.4	1482278.710
As	75	1	He	501.559273	0.5	1221509.290
Se	78	2	H2	501.345022	0.7	574500.730
Sr	88	1	He	502.164456	1.5	9626773.813
Mo	95	1	He	504.085031	0.8	4542281.807
Pd	105	1	He	500.386094	1.5	6122653.033
Ag	107	1	He	248.030583	1.9	6048764.493
Cd	111	1	He	498.892121	0.6	2315881.707
Sn	118	1	He	505.417128	1.3	6159774.283
Sb	121	1	He	507.378417	2.0	8067542.173
Ba	138	1	He	499.300806	0.6	20265918.033
Pt	195	1	He	500.956359	0.6	7566458.637
Hg	202	1	He	19.999142	1.2	152411.880
Tl	205	1	He	248.177370	0.4	13696413.550
Pb	206	1	He	496.808797	0.6	9311871.737
Pb	207	1	He	495.629280	1.0	7757538.427
Pb	208	1	He	495.044960	0.4	36595649.457
Bi	209	1	He	490.541541	0.7	28533571.240
Th	232	1	He	496.707400	1.4	40026914.403
U	238	1	He	497.505139	2.8	41001963.557

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.6027954	1122091.873
Sc	45	2	H2	96.76372061	6485270.667
Ge	72	1	He	101.6937686	688610.667
Ge	72	2	H2	97.61865185	1770659.333
In	115	1	He	95.13948805	6935091.630
Tb	159	1	He	100.4919595	16271878.510
Ir	193	1	He	96.70919173	7559972.180

Sample Name	CAL 7
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	011CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:49:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.236603	6.5	248.167
Be	9	2	H2	0.085534	20.7	62.667
B	11	2	H2	1.885406	10.8	4270.563
Na	23	1	He	49975.45837	1.4	99984215.177
Mg	24	1	He	49932.71793	1.8	55485204.170
Al	27	1	He	49997.24630	0.5	30089264.000
Si	28	2	H2	21738.13736	6.1	97008416.000
K	39	1	He	49961.17359	0.8	82811398.763
Ca	43	1	He	49863.06277	0.5	253405.057
Ca	44	1	He	50052.63647	1.1	4259964.837
Ti	47	1	He	2.054192	1.5	1124.040
V	51	1	He	0.013823	656.6	-1668.190
Cr	52	1	He	0.145867	5.4	2836.900
Mn	55	1	He	0.501203	4.3	6823.970
Fe	56	1	He	24925.68609	1.2	351593504.000
Co	59	1	He	0.158644	3.6	3653.050
Ni	60	1	He	0.083110	27.6	1363.390
Cu	63	1	He	0.149996	6.1	2446.843
Zn	66	1	He	0.670116	2.2	2182.810
As	75	1	He	0.170416	6.1	687.677
Se	78	2	H2	0.093600	28.8	124.667
Sr	88	1	He	0.537331	1.4	10344.790
Mo	95	1	He	0.132898	7.1	1195.053
Pd	105	1	He	0.040935	34.9	526.680
Ag	107	1	He	0.346599	20.2	9179.230
Cd	111	1	He	0.062436	4.1	287.980
Sn	118	1	He	0.065533	19.8	953.370
Sb	121	1	He	0.099584	4.7	1648.437
Ba	138	1	He	0.471555	1.9	18830.587
Pt	195	1	He	0.034557	22.5	600.027
Hg	202	1	He	0.083625	6.2	700.030
Tl	205	1	He	0.156280	29.6	9202.887
Pb	206	1	He	0.413296	1.0	7655.243
Pb	207	1	He	0.429957	6.4	7543.513
Pb	208	1	He	0.416161	2.1	31301.990
Bi	209	1	He	0.029871	12.9	3307.080
Th	232	1	He	0.098508	4.2	7762.000
U	238	1	He	0.034692	14.1	2861.967

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.9820456	1104366.917
Sc	45	2	H2	96.39728466	6460711.500
Ge	72	1	He	99.41573950	673185.187
Ge	72	2	H2	97.39467658	1766596.750
In	115	1	He	93.50846950	6816200.270
Tb	159	1	He	98.05806939	15877777.680
Ir	193	1	He	93.86554249	7337677.807

Sample Name	ICV
Sample Type	ICV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	012_ICV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:53:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	84.602432	5.4	68494.783
Be	9	2	H2	85.386676	4.8	58902.297
B	11	2	H2	84.395635	4.3	64287.640
Na	23	1	He	2055.950750	0.6	4190870.560
Mg	24	1	He	2067.957641	1.3	2334831.733
Al	27	1	He	2060.124696	0.9	1258061.417
Si	28	2	H2	1059.077275	4.7	4976184.667
K	39	1	He	2033.360974	0.9	3550714.840
Ca	43	1	He	2054.272087	1.4	10601.780
Ca	44	1	He	2029.597065	0.8	175420.973
Ti	47	1	He	78.479958	1.3	43440.197
V	51	1	He	83.565747	0.2	1092419.987
Cr	52	1	He	83.507170	0.9	1307708.500
Mn	55	1	He	84.767634	1.0	1003403.147
Fe	56	1	He	1044.736802	0.9	14968518.667
Co	59	1	He	81.747481	0.7	1912187.417
Ni	60	1	He	83.929785	0.3	481459.803
Cu	63	1	He	85.718930	0.3	1265082.250
Zn	66	1	He	82.324082	0.4	250594.187
As	75	1	He	79.039959	0.5	197184.657
Se	78	2	H2	80.154135	2.0	95108.777
Sr	88	1	He	77.582713	0.1	1562565.913
Mo	95	1	He	80.092631	1.1	738346.943
Pd	105	1	He	82.000035	0.9	1053997.510
Ag	107	1	He	41.198087	3.9	1056127.147
Cd	111	1	He	81.022550	0.7	395073.063
Sn	118	1	He	80.138164	1.7	1026099.253
Sb	121	1	He	77.798567	1.4	1299581.440
Ba	138	1	He	80.725682	1.5	3304777.557
Pt	195	1	He	82.223492	1.1	1252731.620
Hg	202	1	He	3.785861	0.1	29167.020
Tl	205	1	He	39.805629	0.3	2216375.280
Pb	206	1	He	80.777655	1.2	1527106.750
Pb	207	1	He	87.152466	0.9	1376679.510
Pb	208	1	He	82.743597	0.7	6170369.650
Bi	209	1	He	84.769681	1.4	4974519.820
Th	232	1	He	79.739731	1.2	6667158.443
U	238	1	He	77.220550	1.2	6604243.650

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.4479933	1120398.917
Sc	45	2	H2	101.3364474	6791742.667
Ge	72	1	He	104.0395828	704495.147
Ge	72	2	H2	101.0806411	1833454.747
In	115	1	He	99.93216568	7284448.760
Tb	159	1	He	101.3577148	16412063.507
Ir	193	1	He	100.3411058	7843886.967

Sample Name	ICB
Sample Type	ICB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	013_ICB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:57:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.109994	3.6	160.333
Be	9	2	H2	0.057650	11.3	46.833
B	11	2	H2	1.234528	14.5	4057.173
Na	23	1	He	2.328828	9.7	23136.187
Mg	24	1	He	-0.189264		3467.030
Al	27	1	He	0.918723	7.8	820.687
Si	28	2	H2	7.801020	8.2	49988.857
K	39	1	He	0.413038	170.1	137238.090
Ca	43	1	He	1.290338	41.6	17.660
Ca	44	1	He	0.952781	24.2	275.577
Ti	47	1	He	0.005940	127.7	6.667
V	51	1	He	0.000269	7060.7	-1856.400
Cr	52	1	He	0.006639	45.9	696.683
Mn	55	1	He	-0.040751		513.343
Fe	56	1	He	0.323300	25.2	22775.670
Co	59	1	He	0.004982	52.0	222.667
Ni	60	1	He	-0.054114		622.680
Cu	63	1	He	0.020696	5.6	634.010
Zn	66	1	He	0.003118	316.0	248.000
As	75	1	He	0.005508	4.5	299.833
Se	78	2	H2	0.013300	19.3	34.667
Sr	88	1	He	0.002042	132.8	276.673
Mo	95	1	He	0.012827	20.0	140.000
Pd	105	1	He	0.009038	35.6	153.337
Ag	107	1	He	0.210570	16.7	6344.583
Cd	111	1	He	0.017369	11.9	88.293
Sn	118	1	He	0.020214	14.8	440.010
Sb	121	1	He	0.012124	37.8	301.673
Ba	138	1	He	0.007086	20.3	456.680
Pt	195	1	He	0.007223	37.6	206.673
Hg	202	1	He	0.033318	41.9	340.010
Tl	205	1	He	0.066643	20.8	4552.370
Pb	206	1	He	0.019344	14.1	470.010
Pb	207	1	He	0.015784	75.9	1276.733
Pb	208	1	He	0.018231	18.5	2718.450
Bi	209	1	He	0.005650	103.2	2016.837
Th	232	1	He	0.009010	16.6	826.700
U	238	1	He	0.006378	29.6	648.353

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.0773572	1116345.540
Sc	45	2	H2	102.3746606	6861325.500
Ge	72	1	He	100.9436821	683531.520
Ge	72	2	H2	102.8954999	1866373.627
In	115	1	He	100.2260448	7305870.770
Tb	159	1	He	102.4310749	16585864.337
Ir	193	1	He	102.2799153	7995448.007

Sample Name	ICB
Sample Type	ICB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	014_ICB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:00:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.077377	1.6	133.833
Be	9	2	H2	0.028943	10.6	26.833
B	11	2	H2	0.700267	77.5	3670.443
Na	23	1	He	1.344334	19.1	21305.640
Mg	24	1	He	-0.791655		2811.900
Al	27	1	He	0.357371	20.1	483.010
Si	28	2	H2	3.847113	13.4	31301.863
K	39	1	He	-0.507135		136712.043
Ca	43	1	He	0.211507	190.1	12.217
Ca	44	1	He	0.467934	145.7	235.493
Ti	47	1	He	0.005850	94.7	6.667
V	51	1	He	0.022813	75.8	-1574.723
Cr	52	1	He	0.003325	30.2	650.017
Mn	55	1	He	-0.046858		444.677
Fe	56	1	He	-0.058222		17471.113
Co	59	1	He	0.000391	145.1	119.333
Ni	60	1	He	-0.065598		562.677
Cu	63	1	He	0.013110	16.9	528.677
Zn	66	1	He	0.003768	374.9	251.333
As	75	1	He	0.001242	327.8	291.500
Se	78	2	H2	0.009577	15.9	30.000
Sr	88	1	He	0.002150	38.6	281.677
Mo	95	1	He	0.004042	82.4	61.667
Pd	105	1	He	0.007398	53.4	133.337
Ag	107	1	He	0.051553	14.7	2278.507
Cd	111	1	He	0.014886	46.4	76.647
Sn	118	1	He	0.011787	18.3	335.010
Sb	121	1	He	0.003874	41.7	165.000
Ba	138	1	He	0.003047	26.1	290.007
Pt	195	1	He	0.005269	84.9	176.670
Hg	202	1	He	0.016089	54.5	206.673
Tl	205	1	He	0.013673	23.1	1576.760
Pb	206	1	He	0.007878	15.0	251.673
Pb	207	1	He	0.005425	87.0	1111.720
Pb	208	1	He	0.008559	16.7	1991.747
Bi	209	1	He	0.004036	43.9	1923.503
Th	232	1	He	0.002468	42.5	268.337
U	238	1	He	0.001921	13.5	260.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.8359797	1124642.040
Sc	45	2	H2	102.5086371	6870304.833
Ge	72	1	He	101.6127418	688062.000
Ge	72	2	H2	102.3742477	1856918.877
In	115	1	He	101.1695363	7374645.573
Tb	159	1	He	102.5419101	16603811.003
Ir	193	1	He	101.8860280	7964656.967

Sample Name	CRDL
Sample Type	CRDL
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	015CRD.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:04:22
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.576017	6.2	551.010
Be	9	2	H2	0.241971	1.9	178.333
B	11	2	H2	10.663904	10.3	11156.870
Na	23	1	He	52.169972	1.4	125308.807
Mg	24	1	He	30.938082	0.7	38862.343
Al	27	1	He	31.460536	1.6	19617.340
Si	28	2	H2	107.518229	4.0	531510.843
K	39	1	He	102.914605	2.5	312160.067
Ca	43	1	He	102.079995	4.0	541.360
Ca	44	1	He	102.816305	2.7	9139.720
Ti	47	1	He	1.064968	3.2	597.343
V	51	1	He	1.008817	5.2	11432.217
Cr	52	1	He	2.087751	2.3	33522.213
Mn	55	1	He	0.479131	3.0	6713.267
Fe	56	1	He	53.417567	1.0	788573.647
Co	59	1	He	0.540056	2.6	12509.703
Ni	60	1	He	0.448004	5.0	3452.340
Cu	63	1	He	1.106259	2.2	16363.457
Zn	66	1	He	5.127540	1.9	15547.437
As	75	1	He	0.495006	4.3	1500.230
Se	78	2	H2	0.489279	6.4	614.677
Sr	88	1	He	0.495182	1.8	10379.823
Mo	95	1	He	0.531964	2.6	4839.060
Pd	105	1	He	0.543185	5.1	7138.320
Ag	107	1	He	0.449699	5.4	12663.053
Cd	111	1	He	0.085738	4.2	428.560
Sn	118	1	He	0.490150	2.8	6564.643
Sb	121	1	He	0.502851	1.5	8642.263
Ba	138	1	He	0.305246	2.4	12876.673
Pt	195	1	He	0.511012	4.3	8015.490
Hg	202	1	He	0.150689	3.8	1260.080
Tl	205	1	He	0.097102	7.1	6309.643
Pb	206	1	He	0.517899	1.8	10059.913
Pb	207	1	He	0.520317	0.5	9384.483
Pb	208	1	He	0.518141	0.7	40645.223
Bi	209	1	He	0.521463	3.1	32804.073
Th	232	1	He	0.490189	0.9	41802.460
U	238	1	He	0.485135	1.8	42352.307

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.2247280	1128893.497
Sc	45	2	H2	104.2361095	6986083.000
Ge	72	1	He	102.1246427	691528.293
Ge	72	2	H2	103.7590182	1882036.583
In	115	1	He	101.6303701	7408237.563
Tb	159	1	He	103.0930338	16693050.167
Ir	193	1	He	102.1914061	7988529.050

Sample Name	ICSA
Sample Type	ICSA
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	016ICSA.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:07:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.217708	7.3	236.667
Be	9	2	H2	0.024340	19.5	22.500
B	11	2	H2	0.319905	58.4	3227.017
Na	23	1	He	26334.75532	0.9	52583800.883
Mg	24	1	He	25841.62796	1.2	28655590.407
Al	27	1	He	25489.27325	1.1	15306559.667
Si	28	2	H2	2.533991	14.2	23867.557
K	39	1	He	25907.81402	1.1	42914571.027
Ca	43	1	He	25434.81341	1.3	128983.683
Ca	44	1	He	25687.17366	0.2	2181626.340
Ti	47	1	He	490.303900	1.1	266915.690
V	51	1	He	0.002582	2444.8	-1803.647
Cr	52	1	He	0.239094	2.5	4266.517
Mn	55	1	He	-0.010736		856.023
Fe	56	1	He	26291.76964	1.4	370062762.667
Co	59	1	He	0.056891	6.1	1368.057
Ni	60	1	He	-0.016340		812.023
Cu	63	1	He	0.072501	6.8	1343.390
Zn	66	1	He	0.144964	8.4	650.680
As	75	1	He	0.046550	4.4	389.500
Se	78	2	H2	0.040927	43.4	65.333
Sr	88	1	He	0.244641	10.0	4982.427
Mo	95	1	He	537.052400	0.5	4689323.890
Pd	105	1	He	0.004673	21.3	93.333
Ag	107	1	He	0.036380	21.3	1798.453
Cd	111	1	He	-0.024696		-113.400
Sn	118	1	He	0.014273	8.4	350.010
Sb	121	1	He	0.011481	22.1	280.007
Ba	138	1	He	0.009423	9.3	543.347
Pt	195	1	He	0.001945	47.5	123.333
Hg	202	1	He	0.009528	74.0	153.337
Tl	205	1	He	0.012222	32.4	1463.413
Pb	206	1	He	0.016181	34.0	401.677
Pb	207	1	He	0.007559	78.5	1123.387
Pb	208	1	He	0.013810	21.8	2340.097
Bi	209	1	He	-0.000523		1620.117
Th	232	1	He	0.003795	18.4	370.010
U	238	1	He	0.001933	30.8	253.337

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.7684027	1102030.460
Sc	45	2	H2	97.41916488	6529199.667
Ge	72	1	He	98.54141751	667264.790
Ge	72	2	H2	98.63955624	1789177.043
In	115	1	He	96.47908511	7032740.130
Tb	159	1	He	100.4818415	16270240.177
Ir	193	1	He	98.61192168	7708712.803

Sample Name	ICSAB
Sample Type	ICSB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	017ICSB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:11:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	103.158491	4.6	82365.987
Be	9	2	H2	105.937984	4.0	72071.723
B	11	2	H2	98.244158	8.1	73361.417
Na	23	1	He	27980.91048	1.2	57351577.480
Mg	24	1	He	27542.66598	1.5	31350791.197
Al	27	1	He	27294.99455	1.5	16825088.000
Si	28	2	H2	1246.366289	7.2	5776280.167
K	39	1	He	27745.45432	1.6	47165904.297
Ca	43	1	He	27399.74023	0.7	142642.127
Ca	44	1	He	27322.52582	1.5	2381763.513
Ti	47	1	He	577.397176	1.0	322673.397
V	51	1	He	105.065421	2.5	1386962.323
Cr	52	1	He	103.906977	1.4	1642638.330
Mn	55	1	He	103.342463	1.6	1234820.917
Fe	56	1	He	26648.17958	1.9	385004586.667
Co	59	1	He	105.655498	0.6	2418851.250
Ni	60	1	He	105.840403	0.3	593997.707
Cu	63	1	He	103.213157	0.8	1490741.750
Zn	66	1	He	103.245863	0.8	307530.157
As	75	1	He	102.400262	0.5	249946.150
Se	78	2	H2	102.927697	1.0	121404.383
Sr	88	1	He	101.162099	0.7	1981308.097
Mo	95	1	He	611.532845	0.7	5517646.583
Pd	105	1	He	98.293186	0.6	1228716.153
Ag	107	1	He	50.264754	3.5	1253084.850
Cd	111	1	He	101.508815	0.4	481366.210
Sn	118	1	He	99.503563	0.7	1239038.600
Sb	121	1	He	97.593845	1.2	1585388.623
Ba	138	1	He	102.094213	0.0	4185997.650
Pt	195	1	He	98.802881	0.4	1507554.927
Hg	202	1	He	3.883093	1.2	29958.427
Tl	205	1	He	50.226002	0.6	2800630.687
Pb	206	1	He	100.207026	1.1	1897312.577
Pb	207	1	He	100.013397	1.9	1582083.363
Pb	208	1	He	100.192851	0.9	7482717.963
Bi	209	1	He	100.049395	0.8	5879870.957
Th	232	1	He	99.758214	1.1	8257111.130
U	238	1	He	100.301055	0.8	8491847.790

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.4451645	1131304.250
Sc	45	2	H2	99.89791865	6695330.000
Ge	72	1	He	101.8279636	689519.357
Ge	72	2	H2	100.4649631	1822287.250
In	115	1	He	97.18447274	7084158.610
Tb	159	1	He	101.5103730	16436782.257
Ir	193	1	He	99.32126889	7764164.050

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	018_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:15:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.248261	5.4	68357.947
Be	9	2	H2	81.949594	4.8	58026.490
B	11	2	H2	80.064528	5.6	62762.497
Na	23	1	He	2056.746694	0.9	4228305.143
Mg	24	1	He	2061.087722	0.7	2347024.757
Al	27	1	He	2011.395929	0.5	1238813.413
Si	28	2	H2	1003.345634	5.2	4840090.500
K	39	1	He	2004.407950	0.3	3532113.490
Ca	43	1	He	2026.899045	0.9	10550.630
Ca	44	1	He	2026.910795	1.5	176682.480
Ti	47	1	He	77.476690	0.6	43252.463
V	51	1	He	82.146736	1.0	1082977.737
Cr	52	1	He	83.081448	0.5	1312119.707
Mn	55	1	He	84.023658	0.8	1003093.000
Fe	56	1	He	1044.447381	1.3	15092055.667
Co	59	1	He	81.977855	1.4	1921163.373
Ni	60	1	He	83.640072	1.2	480694.857
Cu	63	1	He	85.912879	0.5	1270300.040
Zn	66	1	He	82.145566	0.4	250527.343
As	75	1	He	79.251650	0.3	198084.213
Se	78	2	H2	78.584862	0.7	95736.880
Sr	88	1	He	76.078026	0.7	1549400.810
Mo	95	1	He	80.751674	0.6	745863.037
Pd	105	1	He	81.501738	1.8	1059264.437
Ag	107	1	He	41.238729	3.6	1068890.247
Cd	111	1	He	80.933158	1.2	399039.280
Sn	118	1	He	79.490727	0.9	1029231.130
Sb	121	1	He	76.920626	1.2	1299290.477
Ba	138	1	He	79.322420	1.2	3304990.473
Pt	195	1	He	82.102409	2.8	1272845.453
Hg	202	1	He	3.748896	1.4	29394.210
Tl	205	1	He	39.581112	2.7	2242667.990
Pb	206	1	He	80.503880	3.1	1548730.760
Pb	207	1	He	85.466223	2.0	1373886.593
Pb	208	1	He	82.014526	1.8	6224199.700
Bi	209	1	He	83.867672	1.9	5008660.343
Th	232	1	He	78.410899	0.9	6669148.863
U	238	1	He	75.836606	0.9	6597759.277

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.3212762	1129949.373
Sc	45	2	H2	104.0069698	6970725.667
Ge	72	1	He	104.2352425	705820.040
Ge	72	2	H2	103.7544906	1881954.460
In	115	1	He	101.0532908	7366171.987
Tb	159	1	He	103.1622054	16704250.583
Ir	193	1	He	102.0662657	7978746.547

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	019_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:18:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.076596	6.4	136.833
Be	9	2	H2	0.029105	14.4	27.667
B	11	2	H2	0.370537	115.0	3527.070
Na	23	1	He	1.782738	13.5	22502.030
Mg	24	1	He	-1.069290		2531.857
Al	27	1	He	0.504996	15.7	581.343
Si	28	2	H2	1.188664	17.5	19200.703
K	39	1	He	0.291799	297.1	139951.497
Ca	43	1	He	-0.141758		10.530
Ca	44	1	He	-0.253668		175.387
Ti	47	1	He	0.030606	68.8	20.667
V	51	1	He	0.017184	239.2	-1672.820
Cr	52	1	He	-0.000463		598.677
Mn	55	1	He	-0.044273		482.010
Fe	56	1	He	0.284590	15.4	22704.160
Co	59	1	He	0.003650	31.6	196.667
Ni	60	1	He	-0.083660		468.677
Cu	63	1	He	0.018284	12.0	612.677
Zn	66	1	He	0.008138	70.5	268.667
As	75	1	He	-0.003624		283.833
Se	78	2	H2	0.006655	63.3	27.333
Sr	88	1	He	0.002208	107.2	288.337
Mo	95	1	He	0.026896	7.4	271.673
Pd	105	1	He	0.010454	15.8	176.673
Ag	107	1	He	0.242996	12.4	7388.327
Cd	111	1	He	0.012201	27.6	64.917
Sn	118	1	He	0.017860	8.7	421.677
Sb	121	1	He	0.010542	17.0	283.340
Ba	138	1	He	0.007729	21.2	493.347
Pt	195	1	He	0.005883	39.7	190.007
Hg	202	1	He	0.023961	30.4	273.343
Tl	205	1	He	0.060078	20.7	4267.290
Pb	206	1	He	0.012012	24.8	336.677
Pb	207	1	He	0.017482	23.1	1330.070
Pb	208	1	He	0.012563	9.6	2338.433
Bi	209	1	He	0.007201	28.8	2153.533
Th	232	1	He	0.007586	5.4	720.023
U	238	1	He	0.005808	15.6	611.683

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	104.2498609	1140104.627
Sc	45	2	H2	105.2880596	7056586.500
Ge	72	1	He	103.1461550	698445.377
Ge	72	2	H2	105.5056379	1913717.707
In	115	1	He	103.1556907	7519424.183
Tb	159	1	He	104.5296832	16925675.583
Ir	193	1	He	104.2806686	8151851.337

Sample Name	4317543_B70165Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	020SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:22:21
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.100128	4.0	159.000
Be	9	2	H2	0.074109	3.9	60.833
B	11	2	H2	0.852342	53.2	3947.183
Na	23	1	He	11.083702	0.8	42216.270
Mg	24	1	He	1.933672	9.3	6049.377
Al	27	1	He	3.810240	1.9	2666.863
Si	28	2	H2	2.773164	13.8	27336.817
K	39	1	He	4.015747	4.8	148093.000
Ca	43	1	He	9.863216	7.5	63.793
Ca	44	1	He	10.753542	8.6	1156.487
Ti	47	1	He	0.075743	25.8	46.667
V	51	1	He	0.037570	123.2	-1415.840
Cr	52	1	He	0.428738	1.4	7524.910
Mn	55	1	He	0.062560	13.9	1788.767
Fe	56	1	He	5.951665	0.4	106504.293
Co	59	1	He	0.041054	7.3	1072.703
Ni	60	1	He	-0.012902		877.360
Cu	63	1	He	0.278099	1.3	4448.570
Zn	66	1	He	1.271150	3.0	4109.147
As	75	1	He	0.005027	108.3	307.667
Se	78	2	H2	0.022067	19.1	46.667
Sr	88	1	He	0.063218	2.3	1576.757
Mo	95	1	He	0.064309	11.4	618.350
Pd	105	1	He	0.004825	68.8	103.333
Ag	107	1	He	0.066564	4.0	2756.913
Cd	111	1	He	0.050628	21.7	261.483
Sn	118	1	He	0.289547	4.7	4063.850
Sb	121	1	He	0.020255	12.4	456.677
Ba	138	1	He	0.067672	1.0	3050.307
Pt	195	1	He	0.007048	33.4	210.003
Hg	202	1	He	0.021583	15.6	256.677
Tl	205	1	He	0.027139	9.9	2400.207
Pb	206	1	He	0.344258	2.9	6873.190
Pb	207	1	He	0.338667	1.2	6614.773
Pb	208	1	He	0.346698	1.8	28273.300
Bi	209	1	He	0.046181	6.7	4550.747
Th	232	1	He	0.019214	6.1	1733.447
U	238	1	He	0.017872	13.7	1686.777

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.5136602	1153925.877
Sc	45	2	H2	106.8913086	7164039.000
Ge	72	1	He	103.9799355	704091.250
Ge	72	2	H2	106.1109124	1924696.500
In	115	1	He	104.5001563	7617427.573
Tb	159	1	He	105.4259392	17070799.330
Ir	193	1	He	104.4893424	8168163.833

Sample Name	4319213_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	021SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:25:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.067005	9.4	130.500
Be	9	2	H2	0.021254	17.1	22.333
B	11	2	H2	0.684516	58.5	3813.810
Na	23	1	He	3.693542	5.5	27033.113
Mg	24	1	He	1.298359	18.1	5364.160
Al	27	1	He	4.799778	2.7	3321.303
Si	28	2	H2	2.504443	10.5	25948.907
K	39	1	He	0.838140	206.0	143999.403
Ca	43	1	He	27.384279	6.9	158.360
Ca	44	1	He	27.396033	9.4	2661.783
Ti	47	1	He	0.072646	50.0	45.333
V	51	1	He	-0.061743		-2782.750
Cr	52	1	He	0.798886	3.9	13624.463
Mn	55	1	He	0.004618	142.2	1094.037
Fe	56	1	He	5.991922	0.3	108151.240
Co	59	1	He	0.002603	26.9	175.333
Ni	60	1	He	-0.056395		634.010
Cu	63	1	He	0.041832	11.2	973.363
Zn	66	1	He	0.497687	2.0	1774.097
As	75	1	He	-0.017944		252.667
Se	78	2	H2	0.009233	37.0	30.667
Sr	88	1	He	0.176483	2.3	3965.490
Mo	95	1	He	0.017800	7.9	191.667
Pd	105	1	He	0.003593	25.3	86.667
Ag	107	1	He	0.023795	21.0	1613.427
Cd	111	1	He	0.009430	5.0	51.610
Sn	118	1	He	0.041540	6.1	745.023
Sb	121	1	He	0.167898	6.8	3036.967
Ba	138	1	He	0.074503	6.3	3312.027
Pt	195	1	He	0.015630	10.7	343.343
Hg	202	1	He	0.011764	28.6	176.670
Tl	205	1	He	0.005018	25.3	1110.050
Pb	206	1	He	0.012503	8.4	346.677
Pb	207	1	He	0.015755	32.2	1301.737
Pb	208	1	He	0.013448	12.0	2406.773
Bi	209	1	He	0.001053	231.8	1780.137
Th	232	1	He	0.002331	12.3	265.007
U	238	1	He	0.000841	69.3	171.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	106.5523290	1165285.040
Sc	45	2	H2	106.7052868	7151571.500
Ge	72	1	He	104.8893742	710249.437
Ge	72	2	H2	106.1747338	1925854.127
In	115	1	He	104.5893981	7623932.760
Tb	159	1	He	104.5317495	16926010.167
Ir	193	1	He	104.8344272	8195139.877

Sample Name	4319214_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	022SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:29:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	109.982619	4.1	91363.170
Be	9	2	H2	111.153695	3.2	78673.220
B	11	2	H2	109.301865	4.5	84498.400
Na	23	1	He	2236.280549	7.2	4513044.830
Mg	24	1	He	2230.105869	7.3	2493398.087
Al	27	1	He	2170.785797	6.6	1313237.333
Si	28	2	H2	550.037296	4.3	2658915.083
K	39	1	He	2188.624944	7.5	3774815.150
Ca	43	1	He	2267.245627	7.5	11586.650
Ca	44	1	He	2215.570729	5.4	189775.787
Ti	47	1	He	104.492052	6.8	57294.953
V	51	1	He	109.927161	7.1	1423812.050
Cr	52	1	He	111.019565	6.8	1721855.250
Mn	55	1	He	110.704864	6.7	1297807.000
Fe	56	1	He	2226.551270	6.9	31577944.000
Co	59	1	He	114.589870	6.0	2599829.500
Ni	60	1	He	115.726558	6.1	643524.313
Cu	63	1	He	114.099762	5.7	1633295.250
Zn	66	1	He	111.878043	5.5	330290.947
As	75	1	He	109.002738	5.6	263678.933
Se	78	2	H2	105.701079	0.8	128529.583
Sr	88	1	He	105.970811	5.9	2091615.543
Mo	95	1	He	109.243641	6.2	976758.630
Pd	105	1	He	22.543129	5.1	284095.353
Ag	107	1	He	50.077257	2.4	1259672.533
Cd	111	1	He	108.427135	4.9	518343.940
Sn	118	1	He	105.013047	5.6	1317952.117
Sb	121	1	He	102.425110	7.0	1676142.213
Ba	138	1	He	109.590534	5.9	4296895.877
Pt	195	1	He	22.384606	4.6	326843.687
Hg	202	1	He	0.010358	31.5	153.337
Tl	205	1	He	110.889115	6.2	5911285.330
Pb	206	1	He	111.813922	6.0	2024441.947
Pb	207	1	He	114.735024	5.9	1735502.267
Pb	208	1	He	113.780336	6.1	8125115.710
Bi	209	1	He	115.115711	6.3	6468756.363
Th	232	1	He	111.549452	6.4	8991356.533
U	238	1	He	106.768143	6.6	8801870.077

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.7542830	1112812.313
Sc	45	2	H2	103.9792848	6968870.167
Ge	72	1	He	101.1282108	684781.040
Ge	72	2	H2	103.5730629	1878663.627
In	115	1	He	98.15267007	7154734.323
Tb	159	1	He	97.28331201	15752327.267
Ir	193	1	He	96.97645151	7580864.470

Sample Name	10607484001_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	023SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:33:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.766739	5.3	704.513
Be	9	2	H2	0.035767	49.2	32.000
B	11	2	H2	7.685057	1.3	8872.310
Na	23	1	He	8812.194105	0.5	18114906.397
Mg	24	1	He	2902.880082	0.4	3315049.120
Al	27	1	He	23.723973	0.9	14922.660
Si	28	2	H2	1534.268977	5.2	7355378.333
K	39	1	He	578.387593	1.1	1121276.730
Ca	43	1	He	12670.99282	0.6	66113.157
Ca	44	1	He	13139.21687	0.2	1148077.217
Ti	47	1	He	0.330654	10.3	188.667
V	51	1	He	1.423780	4.9	16976.520
Cr	52	1	He	1.699359	1.3	27516.817
Mn	55	1	He	373.139504	1.3	4465941.833
Fe	56	1	He	26376.49972	0.7	381957578.667
Co	59	1	He	1.001078	1.7	23327.047
Ni	60	1	He	6.649367	1.4	38686.623
Cu	63	1	He	5151.433004	0.6	75355157.333
Zn	66	1	He	179.505493	0.4	541457.230
As	75	1	He	1.920579	0.4	5036.047
Se	78	2	H2	0.132513	7.5	180.333
Sr	88	1	He	22.054497	1.8	449699.290
Mo	95	1	He	0.140877	2.2	1313.400
Pd	105	1	He	0.013288	5.3	210.007
Ag	107	1	He	0.762404	5.6	20705.883
Cd	111	1	He	3.687661	3.4	18201.003
Sn	118	1	He	9.631639	1.1	124975.980
Sb	121	1	He	1.115057	1.9	18948.967
Ba	138	1	He	15.790628	0.7	653416.087
Pt	195	1	He	0.113138	8.4	1836.817
Hg	202	1	He	0.026815	29.1	290.010
Tl	205	1	He	0.044703	14.4	3320.377
Pb	206	1	He	154.049330	0.8	2942972.767
Pb	207	1	He	154.373425	0.9	2463425.170
Pb	208	1	He	153.132373	0.8	11538771.177
Bi	209	1	He	0.354491	2.6	22696.560
Th	232	1	He	0.020612	3.2	1808.460
U	238	1	He	0.016072	8.4	1488.417

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.6629530	1133686.043
Sc	45	2	H2	103.4685871	6934642.333
Ge	72	1	He	103.1489422	698464.250
Ge	72	2	H2	103.8663565	1883983.543
In	115	1	He	101.1358073	7372186.940
Tb	159	1	He	102.4290858	16585542.250
Ir	193	1	He	101.8334704	7960548.423

Sample Name	10607907001_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	024SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:36:41
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	59.667660	1.4	44326.733
Be	9	2	H2	0.026927	31.9	23.167
B	11	2	H2	258.376464	1.5	174615.400
Na	23	1	He	111800.1953	0.5	219765683.390
Mg	24	1	He	204878.8681	0.9	223686803.333
Al	27	1	He	7.340229	2.1	4594.573
Si	28	2	H2	6091.775149	5.0	26215545.333
K	39	1	He	5885.469697	0.2	9703106.313
Ca	43	1	He	280910.0232	0.5	1402697.210
Ca	44	1	He	275006.7457	0.2	22997221.877
Ti	47	1	He	0.219978	14.5	121.333
V	51	1	He	3.824370	1.3	46697.117
Cr	52	1	He	0.786327	1.5	12499.000
Mn	55	1	He	61.196370	0.4	701876.103
Fe	56	1	He	59.630499	0.8	844128.253
Co	59	1	He	0.209248	2.4	4521.917
Ni	60	1	He	1.147090	0.6	6791.970
Cu	63	1	He	1.297746	0.8	17607.977
Zn	66	1	He	2.152487	3.3	6133.073
As	75	1	He	1.257282	0.4	3095.603
Se	78	2	H2	5.483085	1.8	6067.043
Sr	88	1	He	6058.498409	0.6	111895901.663
Mo	95	1	He	22.154661	0.1	184505.840
Pd	105	1	He	0.852935	10.0	10093.157
Ag	107	1	He	0.054676	7.5	2138.487
Cd	111	1	He	0.041744	11.7	189.650
Sn	118	1	He	0.094652	11.7	1276.727
Sb	121	1	He	0.063890	15.2	1068.377
Ba	138	1	He	20.529258	1.2	796843.580
Pt	195	1	He	0.142422	5.2	2146.860
Hg	202	1	He	0.008674	63.7	140.000
Tl	205	1	He	0.008067	25.1	1181.720
Pb	206	1	He	0.049133	2.0	975.040
Pb	207	1	He	0.044057	7.8	1620.100
Pb	208	1	He	0.048464	3.0	4686.967
Bi	209	1	He	0.006519	88.9	1940.160
Th	232	1	He	0.008542	11.3	710.023
U	238	1	He	27.887193	0.6	2191483.143

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.22436626	1085144.460
Sc	45	2	H2	92.98121529	6231760.667
Ge	72	1	He	93.97503437	636343.917
Ge	72	2	H2	93.98597369	1704767.873
In	115	1	He	91.65509797	6681100.727
Tb	159	1	He	96.08218474	15557838.103
Ir	193	1	He	92.18690643	7206455.100

Sample Name	4322991_B70189Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	025SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:40:17
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	13.034807	4.5	11417.790
Be	9	2	H2	0.014944	11.4	18.167
B	11	2	H2	57.461515	6.2	48182.513
Na	23	1	He	23316.35195	0.8	50492635.913
Mg	24	1	He	43002.39383	0.2	51710327.563
Al	27	1	He	2.739907	3.1	2064.787
Si	28	2	H2	1339.579060	6.8	6772033.500
K	39	1	He	1208.028850	0.3	2309466.113
Ca	43	1	He	56368.95345	0.2	309989.250
Ca	44	1	He	56148.08131	0.7	5170615.173
Ti	47	1	He	0.045772	36.2	30.667
V	51	1	He	0.659629	11.7	7216.023
Cr	52	1	He	0.169320	8.3	3460.343
Mn	55	1	He	12.677101	0.7	160959.650
Fe	56	1	He	12.528539	0.6	210691.933
Co	59	1	He	0.038628	4.4	1034.033
Ni	60	1	He	0.180001	8.8	2015.453
Cu	63	1	He	0.344777	0.6	5528.200
Zn	66	1	He	0.472003	5.6	1710.090
As	75	1	He	0.282171	4.2	1015.197
Se	78	2	H2	0.993144	1.2	1297.717
Sr	88	1	He	1210.038187	0.5	24901117.130
Mo	95	1	He	4.330768	0.6	40632.243
Pd	105	1	He	0.188994	3.8	2520.237
Ag	107	1	He	0.018090	14.0	1425.073
Cd	111	1	He	0.020277	28.6	104.477
Sn	118	1	He	0.024320	19.2	501.680
Sb	121	1	He	0.019239	28.2	428.347
Ba	138	1	He	4.238896	0.6	180527.250
Pt	195	1	He	0.039062	9.8	716.697
Hg	202	1	He	0.006165	73.2	133.333
Tl	205	1	He	-0.003840		606.687
Pb	206	1	He	0.018383	13.0	465.010
Pb	207	1	He	0.021837	20.1	1411.743
Pb	208	1	He	0.020384	10.0	2963.473
Bi	209	1	He	0.002342	100.2	1873.487
Th	232	1	He	0.001812	20.0	215.000
U	238	1	He	5.632428	1.2	493240.733

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	109.2720062	1195028.163
Sc	45	2	H2	108.9517129	7302130.833
Ge	72	1	He	105.8174791	716534.020
Ge	72	2	H2	109.6137701	1988233.207
In	115	1	He	102.1227912	7444132.073
Tb	159	1	He	105.3474396	17058088.497
Ir	193	1	He	102.7132987	8029326.550

Sample Name	4319215_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	026SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:43:52
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	163.182019	0.7	128249.870
Be	9	2	H2	101.148436	1.4	67777.033
B	11	2	H2	372.902709	1.7	265557.843
Na	23	1	He	122872.0277	3.3	257467236.163
Mg	24	1	He	222140.9917	3.9	258508249.480
Al	27	1	He	2091.103525	3.7	1318239.460
Si	28	2	H2	6908.407180	4.3	31479249.333
K	39	1	He	8386.954414	4.2	14675367.280
Ca	43	1	He	301477.5011	3.8	1604505.240
Ca	44	1	He	295744.5301	3.5	26360243.957
Ti	47	1	He	102.494936	4.4	58559.603
V	51	1	He	113.796125	3.7	1536360.827
Cr	52	1	He	106.760260	3.7	1725673.290
Mn	55	1	He	168.402145	3.9	2056690.873
Fe	56	1	He	2132.043076	3.6	31515542.000
Co	59	1	He	108.810830	3.8	2420637.833
Ni	60	1	He	108.736846	3.7	592967.627
Cu	63	1	He	106.151248	4.3	1489625.123
Zn	66	1	He	102.918889	3.0	297938.917
As	75	1	He	113.848921	2.9	270047.113
Se	78	2	H2	124.201536	2.4	145944.700
Sr	88	1	He	6700.633965	4.4	125884934.790
Mo	95	1	He	134.981285	3.1	1183662.170
Pd	105	1	He	21.431920	3.2	257118.030
Ag	107	1	He	45.801759	1.0	1096681.023
Cd	111	1	He	102.335504	3.2	465693.007
Sn	118	1	He	106.821334	4.4	1276085.813
Sb	121	1	He	103.969363	4.3	1620348.463
Ba	138	1	He	127.109715	4.2	4997970.137
Pt	195	1	He	20.790822	4.1	304312.723
Hg	202	1	He	0.022430	50.1	243.340
Tl	205	1	He	100.556257	4.6	5375708.460
Pb	206	1	He	99.620813	4.4	1808792.527
Pb	207	1	He	99.884568	4.0	1515399.300
Pb	208	1	He	99.705296	4.2	7141041.773
Bi	209	1	He	99.387154	4.0	5601895.127
Th	232	1	He	107.868324	3.7	8345639.043
U	238	1	He	132.610664	3.6	10494928.383

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.8451409	1157551.040
Sc	45	2	H2	98.46779514	6599480.667
Ge	72	1	He	99.03106508	670580.397
Ge	72	2	H2	100.1071383	1815796.833
In	115	1	He	93.34453506	6804250.443
Tb	159	1	He	97.46207843	15781273.517
Ir	193	1	He	92.92789588	7264379.890

Sample Name	4319216_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	027SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:47:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	161.520801	1.0	127573.800
Be	9	2	H2	100.301967	1.9	67545.267
B	11	2	H2	368.242781	2.4	263600.327
Na	23	1	He	120405.3801	0.8	258806962.810
Mg	24	1	He	216621.5559	0.5	258627802.813
Al	27	1	He	2046.978387	0.3	1323888.083
Si	28	2	H2	6807.126295	5.2	31171652.000
K	39	1	He	8239.805469	0.3	14795865.613
Ca	43	1	He	294097.3867	0.5	1605825.760
Ca	44	1	He	288594.6289	0.9	26388199.613
Ti	47	1	He	100.117004	1.1	58690.533
V	51	1	He	110.158370	0.7	1525713.567
Cr	52	1	He	104.379492	0.7	1730915.540
Mn	55	1	He	169.635334	0.8	2125539.750
Fe	56	1	He	2081.284778	0.7	31562428.000
Co	59	1	He	106.462986	0.7	2435165.917
Ni	60	1	He	105.595910	0.6	592093.540
Cu	63	1	He	102.605133	1.0	1480642.417
Zn	66	1	He	100.707543	1.0	299708.700
As	75	1	He	110.868180	0.8	270343.697
Se	78	2	H2	124.318767	1.4	145210.113
Sr	88	1	He	6511.378600	0.6	125071508.137
Mo	95	1	He	131.342661	0.6	1184035.087
Pd	105	1	He	20.975923	1.5	257192.363
Ag	107	1	He	45.565113	2.6	1114158.163
Cd	111	1	He	100.411086	1.1	467005.027
Sn	118	1	He	104.496461	1.3	1276186.413
Sb	121	1	He	101.969004	0.7	1624718.830
Ba	138	1	He	124.979545	1.0	4983577.423
Pt	195	1	He	20.548971	2.9	304974.073
Hg	202	1	He	0.014807	85.7	190.003
Tl	205	1	He	99.722918	0.9	5407085.127
Pb	206	1	He	98.075875	1.6	1806023.097
Pb	207	1	He	99.127869	1.6	1524952.530
Pb	208	1	He	98.070113	0.5	7123114.633
Bi	209	1	He	97.402227	0.9	5567210.960
Th	232	1	He	105.332371	1.0	8342719.460
U	238	1	He	129.713206	0.2	10508527.340

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	108.4976489	1186559.583
Sc	45	2	H2	98.94564522	6631507.000
Ge	72	1	He	101.7356575	688894.313
Ge	72	2	H2	99.48671911	1804543.337
In	115	1	He	95.32018599	6948263.413
Tb	159	1	He	98.72545009	15985841.427
Ir	193	1	He	95.03922776	7429427.390

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	028_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:51:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	89.705411	8.8	73658.687
Be	9	2	H2	88.682057	8.5	62050.147
B	11	2	H2	89.475480	7.8	68934.327
Na	23	1	He	2123.385131	1.5	4537696.493
Mg	24	1	He	2111.356062	2.2	2499381.213
Al	27	1	He	1991.252160	1.9	1274999.040
Si	28	2	H2	1066.446821	9.5	5080588.333
K	39	1	He	2001.347814	1.5	3666580.883
Ca	43	1	He	2052.837355	2.1	11107.983
Ca	44	1	He	2023.807279	1.6	183406.110
Ti	47	1	He	77.234588	1.3	44826.143
V	51	1	He	82.232659	2.3	1127045.663
Cr	52	1	He	82.665590	1.7	1357262.167
Mn	55	1	He	83.964836	1.7	1042103.663
Fe	56	1	He	1034.199778	1.8	15536323.667
Co	59	1	He	83.049060	1.9	2015073.960
Ni	60	1	He	85.070600	1.2	506191.437
Cu	63	1	He	86.571128	1.4	1325278.543
Zn	66	1	He	81.911276	1.7	258637.757
As	75	1	He	78.507940	0.9	203167.863
Se	78	2	H2	82.891604	5.2	100160.660
Sr	88	1	He	77.233353	1.9	1597452.947
Mo	95	1	He	80.755745	2.0	772242.670
Pd	105	1	He	82.686781	0.6	1091537.223
Ag	107	1	He	42.005783	1.9	1106063.810
Cd	111	1	He	81.394838	0.9	407604.453
Sn	118	1	He	80.345448	0.2	1056578.890
Sb	121	1	He	76.918992	0.4	1319637.117
Ba	138	1	He	78.946310	1.5	3358715.263
Pt	195	1	He	83.028329	0.4	1314569.693
Hg	202	1	He	3.694168	4.4	29581.003
Tl	205	1	He	39.892555	1.0	2308267.207
Pb	206	1	He	80.988521	1.2	1591130.133
Pb	207	1	He	86.086792	0.4	1413183.520
Pb	208	1	He	82.144464	0.5	6365939.853
Bi	209	1	He	82.630358	1.3	5039199.507
Th	232	1	He	77.028359	1.5	6779145.733
U	238	1	He	75.970426	2.3	6838636.360

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	107.4207165	1174781.960
Sc	45	2	H2	102.9177905	6897727.000
Ge	72	1	He	107.9248404	730803.837
Ge	72	2	H2	103.0720715	1869576.377
In	115	1	He	102.6310589	7481181.710
Tb	159	1	He	105.3317119	17055541.833
Ir	193	1	He	105.6058250	8255441.753

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	029_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:54:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.124844	22.6	192.167
Be	9	2	H2	0.036388	16.6	35.667
B	11	2	H2	1.620930	5.9	4824.043
Na	23	1	He	8.311845	7.5	37965.470
Mg	24	1	He	3.034757	13.0	7638.313
Al	27	1	He	0.156276	31.9	384.670
Si	28	2	H2	0.371857	60.3	16470.877
K	39	1	He	0.414276	290.8	147869.413
Ca	43	1	He	4.248783	7.9	35.417
Ca	44	1	He	3.286097	14.5	513.123
Ti	47	1	He	0.016264	121.2	13.333
V	51	1	He	-0.074130		-3048.003
Cr	52	1	He	0.009794	79.7	804.023
Mn	55	1	He	-0.035486		620.010
Fe	56	1	He	-0.123602		17678.640
Co	59	1	He	0.003501	67.0	202.000
Ni	60	1	He	-0.089021		458.010
Cu	63	1	He	0.099309	4.4	1878.773
Zn	66	1	He	0.004726	160.0	270.000
As	75	1	He	0.027661	27.9	377.333
Se	78	2	H2	0.016050	4.4	41.667
Sr	88	1	He	0.101241	10.4	2410.193
Mo	95	1	He	0.010963	46.4	131.667
Pd	105	1	He	0.006437	36.2	126.667
Ag	107	1	He	0.217690	17.7	6898.117
Cd	111	1	He	0.015118	29.7	81.623
Sn	118	1	He	0.012231	45.0	356.677
Sb	121	1	He	0.007580	6.1	238.333
Ba	138	1	He	0.007140	21.8	480.013
Pt	195	1	He	0.004557	29.4	173.340
Hg	202	1	He	0.029295	18.2	323.343
Tl	205	1	He	0.050280	27.6	3798.830
Pb	206	1	He	0.016428	18.7	433.343
Pb	207	1	He	0.026840	22.1	1518.420
Pb	208	1	He	0.020952	12.9	3056.813
Bi	209	1	He	0.007155	31.2	2203.523
Th	232	1	He	0.010074	0.2	963.373
U	238	1	He	0.005865	20.2	635.023

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	109.9771031	1202739.293
Sc	45	2	H2	113.8117769	7627860.667
Ge	72	1	He	107.7882485	729878.917
Ge	72	2	H2	112.9479357	2048710.087
In	115	1	He	105.9319247	7721794.803
Tb	159	1	He	107.1002593	17341908.907
Ir	193	1	He	107.2856070	8386754.040

Sample Name	4319179_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	030SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:58:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.133470	6.8	193.167
Be	9	2	H2	0.060703	17.7	52.667
B	11	2	H2	2.097312	7.9	5044.143
Na	23	1	He	23.551909	2.1	69347.060
Mg	24	1	He	6.219997	3.2	11200.150
Al	27	1	He	4.473618	2.3	3132.607
Si	28	2	H2	2.478747	5.8	26644.000
K	39	1	He	6.206275	33.6	154251.773
Ca	43	1	He	19.443302	8.9	116.500
Ca	44	1	He	19.028997	8.5	1922.670
Ti	47	1	He	0.051433	46.0	33.333
V	51	1	He	0.030350	164.9	-1535.293
Cr	52	1	He	0.234142	1.4	4457.230
Mn	55	1	He	0.093207	8.1	2196.143
Fe	56	1	He	6.641843	1.4	118500.850
Co	59	1	He	0.037457	3.9	1002.697
Ni	60	1	He	-0.020922		843.357
Cu	63	1	He	0.247483	3.1	4053.803
Zn	66	1	He	1.897008	3.0	6097.060
As	75	1	He	0.022891	41.5	357.167
Se	78	2	H2	0.017544	33.6	42.333
Sr	88	1	He	0.114936	6.8	2653.557
Mo	95	1	He	0.015369	7.1	170.000
Pd	105	1	He	0.006361	78.5	123.337
Ag	107	1	He	0.053947	11.2	2408.523
Cd	111	1	He	0.047889	14.5	246.623
Sn	118	1	He	0.362456	6.8	5015.783
Sb	121	1	He	0.009173	11.1	261.670
Ba	138	1	He	0.076800	3.1	3412.053
Pt	195	1	He	0.008188	46.3	226.673
Hg	202	1	He	0.022267	25.6	260.010
Tl	205	1	He	0.027605	2.6	2408.540
Pb	206	1	He	0.109998	9.6	2248.520
Pb	207	1	He	0.104950	11.1	2755.263
Pb	208	1	He	0.107527	3.9	9646.167
Bi	209	1	He	0.031421	3.7	3620.490
Th	232	1	He	0.017803	10.2	1621.767
U	238	1	He	0.004537	7.4	503.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	107.1714121	1172055.500
Sc	45	2	H2	110.1345111	7381404.000
Ge	72	1	He	105.4542857	714074.687
Ge	72	2	H2	109.7201321	1990162.457
In	115	1	He	104.0221270	7582582.137
Tb	159	1	He	104.5892231	16935316.417
Ir	193	1	He	105.1675352	8221179.670

Sample Name	4319180_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	031SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:01:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	115.464363	4.5	100821.933
Be	9	2	H2	115.107756	4.2	85657.163
B	11	2	H2	116.055769	4.0	94093.307
Na	23	1	He	2272.346043	1.0	4906219.927
Mg	24	1	He	2221.908253	0.4	2658126.420
Al	27	1	He	2161.228456	0.9	1398540.540
Si	28	2	H2	566.477455	5.2	2877852.250
K	39	1	He	2172.936498	0.3	4010965.563
Ca	43	1	He	2211.349992	0.6	12093.107
Ca	44	1	He	2169.751435	1.7	198724.903
Ti	47	1	He	103.399298	1.3	60648.247
V	51	1	He	109.681875	1.2	1519923.120
Cr	52	1	He	110.788761	0.6	1838209.247
Mn	55	1	He	108.515516	0.5	1360883.960
Fe	56	1	He	2214.811815	0.8	33604652.667
Co	59	1	He	113.418389	1.3	2742796.417
Ni	60	1	He	115.071415	0.5	682086.997
Cu	63	1	He	114.152322	1.1	1741562.417
Zn	66	1	He	112.604234	0.4	354279.813
As	75	1	He	107.085942	0.4	276087.790
Se	78	2	H2	108.066835	0.5	138164.347
Sr	88	1	He	106.228624	0.7	2199519.707
Mo	95	1	He	109.110730	0.5	1039948.057
Pd	105	1	He	22.509566	1.2	297488.827
Ag	107	1	He	51.468967	2.7	1356290.447
Cd	111	1	He	110.375387	0.9	553317.867
Sn	118	1	He	106.291995	0.9	1399210.867
Sb	121	1	He	102.866478	1.2	1766609.920
Ba	138	1	He	108.775625	0.3	4496985.870
Pt	195	1	He	22.186163	1.2	341401.700
Hg	202	1	He	0.013507	52.5	186.670
Tl	205	1	He	110.719089	0.2	6224004.697
Pb	206	1	He	110.352401	1.0	2106736.063
Pb	207	1	He	112.474431	1.1	1793827.423
Pb	208	1	He	111.773086	0.7	8416679.250
Bi	209	1	He	112.703359	1.0	6678388.860
Th	232	1	He	110.692104	2.0	9345118.197
U	238	1	He	106.712371	1.5	9215396.530

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	108.5592290	1187233.040
Sc	45	2	H2	109.2950493	7325141.833
Ge	72	1	He	107.5605177	728336.857
Ge	72	2	H2	108.8938733	1975175.333
In	115	1	He	102.7414530	7489228.767
Tb	159	1	He	102.3535943	16573318.500
Ir	193	1	He	101.3191440	7920342.383

Sample Name	10607340001_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	032SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:05:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	63.148346	0.6	50955.140
Be	9	2	H2	0.053045	6.2	43.000
B	11	2	H2	1677.343655	1.8	1214564.617
Na	23	1	He	385504.2775	0.8	839254200.823
Mg	24	1	He	77454.00393	1.7	93644615.270
Al	27	1	He	4.584880	2.1	3283.970
Si	28	2	H2	15934.15896	3.8	74451896.000
K	39	1	He	6269.125933	1.0	11435689.830
Ca	43	1	He	186537.6673	0.5	1031574.733
Ca	44	1	He	185185.1195	1.4	17148284.843
Ti	47	1	He	0.169548	25.9	104.000
V	51	1	He	11.901874	1.1	165154.330
Cr	52	1	He	31.513387	0.5	529725.157
Mn	55	1	He	0.174424	6.2	3280.307
Fe	56	1	He	7.953193	1.3	141629.100
Co	59	1	He	0.098855	7.5	2408.170
Ni	60	1	He	0.583265	1.3	4262.517
Cu	63	1	He	0.430363	5.5	6659.927
Zn	66	1	He	2.363845	3.0	7384.870
As	75	1	He	4.303207	1.4	10942.017
Se	78	2	H2	4.684490	2.6	5634.900
Sr	88	1	He	2677.330391	1.2	51990149.223
Mo	95	1	He	0.711327	3.2	6539.613
Pd	105	1	He	0.400006	1.2	4994.177
Ag	107	1	He	0.278156	23.3	7750.177
Cd	111	1	He	0.036099	24.6	173.043
Sn	118	1	He	0.128616	3.6	1761.777
Sb	121	1	He	0.050018	13.1	901.703
Ba	138	1	He	34.873701	0.9	1394970.500
Pt	195	1	He	0.010128	44.6	243.343
Hg	202	1	He	0.012973	47.8	176.670
Tl	205	1	He	0.040317	19.4	2970.303
Pb	206	1	He	0.047422	8.2	973.373
Pb	207	1	He	0.037781	22.1	1573.427
Pb	208	1	He	0.044788	10.8	4565.287
Bi	209	1	He	0.019259	5.7	2730.290
Th	232	1	He	0.025451	7.0	2030.157
U	238	1	He	11.721646	2.1	930850.717

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	109.8939888	1201830.333
Sc	45	2	H2	101.0068253	6769650.833
Ge	72	1	He	103.3655267	699930.833
Ge	72	2	H2	102.1232719	1852366.543
In	115	1	He	96.37026137	7024807.540
Tb	159	1	He	99.02507445	16034357.260
Ir	193	1	He	93.15321305	7281993.433

Sample Name	4322685_B70175Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	033SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:09:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	14.699134	3.4	12840.703
Be	9	2	H2	0.024687	19.5	25.333
B	11	2	H2	419.692118	2.9	329897.080
Na	23	1	He	85780.51551	0.8	189777137.170
Mg	24	1	He	17362.62342	1.9	21338395.933
Al	27	1	He	1.980449	3.3	1604.737
Si	28	2	H2	3768.275824	5.2	18985238.667
K	39	1	He	1383.728848	0.9	2681646.523
Ca	43	1	He	41074.60879	0.9	230839.470
Ca	44	1	He	41210.51540	1.1	3878387.540
Ti	47	1	He	0.030300	10.7	22.000
V	51	1	He	2.352430	4.6	31537.203
Cr	52	1	He	6.936078	1.4	118984.740
Mn	55	1	He	0.021187	4.8	1360.060
Fe	56	1	He	2.313142	2.1	55961.473
Co	59	1	He	0.018644	6.8	572.010
Ni	60	1	He	0.040916	29.6	1235.383
Cu	63	1	He	0.178462	3.5	3104.277
Zn	66	1	He	0.567088	3.3	2052.127
As	75	1	He	0.940112	3.5	2746.213
Se	78	2	H2	1.027480	5.8	1335.053
Sr	88	1	He	568.510370	0.9	11810455.653
Mo	95	1	He	0.152728	1.7	1493.410
Pd	105	1	He	0.074883	15.4	1030.060
Ag	107	1	He	0.069233	12.8	2790.250
Cd	111	1	He	0.010838	56.1	57.887
Sn	118	1	He	0.031395	10.6	600.017
Sb	121	1	He	0.012417	27.6	315.007
Ba	138	1	He	7.474317	1.0	317933.720
Pt	195	1	He	0.006001	57.6	193.340
Hg	202	1	He	0.008673	83.8	153.337
Tl	205	1	He	0.000375	627.5	850.030
Pb	206	1	He	0.013750	29.8	373.343
Pb	207	1	He	0.010630	98.9	1226.730
Pb	208	1	He	0.013621	25.4	2436.773
Bi	209	1	He	0.003902	35.7	1966.830
Th	232	1	He	0.004513	20.6	446.680
U	238	1	He	2.395037	0.9	209995.160

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	111.6708591	1221262.667
Sc	45	2	H2	108.7562091	7289027.833
Ge	72	1	He	108.3465150	733659.170
Ge	72	2	H2	109.0296432	1977638.000
In	115	1	He	103.0947011	7514978.413
Tb	159	1	He	105.2590870	17043782.250
Ir	193	1	He	102.8148532	8037265.297

Sample Name	4319181_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	034SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:12:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	152.757174	0.3	123053.393
Be	9	2	H2	98.310764	1.6	67530.937
B	11	2	H2	1625.151246	1.9	1175750.347
Na	23	1	He	372194.4707	4.1	791135908.210
Mg	24	1	He	76920.26570	4.5	90815428.647
Al	27	1	He	2092.728486	3.9	1338588.167
Si	28	2	H2	15045.89240	4.3	70264062.667
K	39	1	He	8116.665476	4.0	14416621.870
Ca	43	1	He	181995.7318	4.3	982705.453
Ca	44	1	He	179743.3572	4.6	16251980.793
Ti	47	1	He	102.496872	4.2	59421.637
V	51	1	He	119.594779	4.1	1638304.063
Cr	52	1	He	134.189806	4.5	2200324.500
Mn	55	1	He	102.780125	4.6	1273857.583
Fe	56	1	He	2051.687075	4.6	30766127.333
Co	59	1	He	106.469416	5.0	2445860.667
Ni	60	1	He	105.389091	5.0	593475.560
Cu	63	1	He	102.314155	5.5	1482633.503
Zn	66	1	He	102.640908	4.4	306842.687
As	75	1	He	112.429702	4.7	275357.143
Se	78	2	H2	106.807467	0.8	128250.617
Sr	88	1	He	2683.103560	4.3	50625429.247
Mo	95	1	He	109.691124	5.1	993075.793
Pd	105	1	He	20.700149	5.0	249283.023
Ag	107	1	He	46.302085	0.3	1113371.493
Cd	111	1	He	102.493256	4.1	468286.447
Sn	118	1	He	106.646405	3.0	1279876.283
Sb	121	1	He	103.909857	4.5	1626242.893
Ba	138	1	He	135.235054	4.9	5378626.377
Pt	195	1	He	20.261868	3.5	300091.093
Hg	202	1	He	0.016543	24.3	203.343
Tl	205	1	He	97.507366	5.1	5273162.840
Pb	206	1	He	98.125751	3.9	1802841.483
Pb	207	1	He	99.319789	2.3	1525127.427
Pb	208	1	He	97.603634	3.9	7072749.893
Bi	209	1	He	96.371912	5.5	5493164.500
Th	232	1	He	108.334591	5.7	8261638.003
U	238	1	He	113.449369	4.5	8852458.827

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	107.4208384	1174783.293
Sc	45	2	H2	100.9176105	6763671.500
Ge	72	1	He	102.3350487	692953.040
Ge	72	2	H2	102.2642883	1854924.373
In	115	1	He	93.74375922	6833351.463
Tb	159	1	He	98.60227366	15965896.430
Ir	193	1	He	91.65052931	7164525.310

Sample Name	4319182_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	035SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:16:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	151.461734	1.1	123081.913
Be	9	2	H2	98.087981	2.1	67959.733
B	11	2	H2	1607.198228	2.9	1173141.027
Na	23	1	He	356549.4454	0.7	786916174.940
Mg	24	1	He	73362.15558	1.1	89938111.993
Al	27	1	He	2085.954287	1.5	1385222.373
Si	28	2	H2	14786.26334	5.1	69643864.000
K	39	1	He	7838.432862	0.6	14460099.367
Ca	43	1	He	174727.7815	0.9	979633.787
Ca	44	1	He	172104.5358	0.7	16159205.813
Ti	47	1	He	100.030526	1.8	60212.943
V	51	1	He	115.996520	2.3	1649680.103
Cr	52	1	He	130.877310	1.7	2228295.583
Mn	55	1	He	104.137041	0.8	1340279.667
Fe	56	1	He	2657.952895	3.7	41377677.333
Co	59	1	He	104.811630	2.6	2482194.000
Ni	60	1	He	292.870644	4.2	1698352.123
Cu	63	1	He	100.454727	1.4	1501010.333
Zn	66	1	He	100.765755	2.1	310498.687
As	75	1	He	110.879514	1.5	279954.470
Se	78	2	H2	105.205758	1.6	127531.803
Sr	88	1	He	2581.852451	1.5	50696704.243
Mo	95	1	He	108.078981	1.1	1008876.210
Pd	105	1	He	20.076336	1.8	251657.603
Ag	107	1	He	45.228433	2.2	1130624.647
Cd	111	1	He	100.118986	1.0	476037.783
Sn	118	1	He	103.998644	1.6	1298416.333
Sb	121	1	He	100.327832	1.9	1634147.840
Ba	138	1	He	133.467178	1.2	5452328.670
Pt	195	1	He	19.930206	1.7	303054.827
Hg	202	1	He	0.016874	42.0	210.007
Tl	205	1	He	95.725864	1.3	5317391.797
Pb	206	1	He	95.812212	1.1	1807502.373
Pb	207	1	He	96.859433	2.1	1526664.197
Pb	208	1	He	95.543607	1.5	7109450.263
Bi	209	1	He	94.124917	1.4	5511618.253
Th	232	1	He	106.424977	1.5	8356996.127
U	238	1	He	110.471683	0.6	8873369.870

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	111.4126662	1218439.000
Sc	45	2	H2	101.7885894	6822046.000
Ge	72	1	He	105.3487652	713360.163
Ge	72	2	H2	103.2389422	1872603.167
In	115	1	He	97.44844011	7103400.230
Tb	159	1	He	101.1440473	16377466.007
Ir	193	1	He	94.23062849	7366217.390

Sample Name	10607340002_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	036SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:20:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	63.454285	1.8	51341.853
Be	9	2	H2	0.035716	10.1	31.167
B	11	2	H2	217.923046	2.3	160922.553
Na	23	1	He	82093.11935	1.9	176672084.033
Mg	24	1	He	78257.93310	0.9	93545088.610
Al	27	1	He	34.581595	0.6	22665.790
Si	28	2	H2	13405.77311	4.7	62828772.000
K	39	1	He	11882.96179	1.1	21298458.850
Ca	43	1	He	184527.0844	0.6	1008727.073
Ca	44	1	He	183520.4007	0.9	16800183.277
Ti	47	1	He	0.151772	8.3	92.667
V	51	1	He	6.922624	2.0	94139.240
Cr	52	1	He	6.545629	0.3	109262.907
Mn	55	1	He	0.731090	2.3	10224.250
Fe	56	1	He	5.080917	0.8	96428.353
Co	59	1	He	0.062686	5.9	1574.743
Ni	60	1	He	0.335913	3.8	2865.570
Cu	63	1	He	0.295606	1.2	4694.630
Zn	66	1	He	3.384426	1.3	10505.770
As	75	1	He	3.138185	2.3	8086.830
Se	78	2	H2	3.854225	1.3	4648.277
Sr	88	1	He	2350.340062	1.2	46183164.310
Mo	95	1	He	1.322305	1.9	12177.700
Pd	105	1	He	0.354146	3.4	4477.357
Ag	107	1	He	0.238263	17.0	6864.780
Cd	111	1	He	0.037099	20.4	179.680
Sn	118	1	He	0.144482	7.7	1980.133
Sb	121	1	He	0.095550	8.3	1653.430
Ba	138	1	He	110.662330	1.7	4493868.680
Pt	195	1	He	0.011452	56.4	266.673
Hg	202	1	He	0.014340	70.7	190.007
Tl	205	1	He	0.046910	23.8	3378.730
Pb	206	1	He	0.050454	4.5	1045.047
Pb	207	1	He	0.045207	17.1	1713.440
Pb	208	1	He	0.050044	1.9	5022.003
Bi	209	1	He	0.018317	25.6	2716.960
Th	232	1	He	0.023020	11.2	1920.140
U	238	1	He	5.770222	1.4	478025.913

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	108.6215257	1187914.333
Sc	45	2	H2	101.2332445	6784825.833
Ge	72	1	He	103.7133703	702286.227
Ge	72	2	H2	102.3161186	1855864.500
In	115	1	He	97.50817109	7107754.257
Tb	159	1	He	100.5458768	16280608.927
Ir	193	1	He	97.16656329	7595725.930

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	037_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:23:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	86.217885	4.3	74943.173
Be	9	2	H2	85.194653	4.4	63093.077
B	11	2	H2	91.229556	5.7	74361.767
Na	23	1	He	2136.267373	1.3	4609214.830
Mg	24	1	He	2099.086674	1.8	2508923.083
Al	27	1	He	2012.712807	1.8	1301170.250
Si	28	2	H2	1038.756825	5.3	5241460.500
K	39	1	He	2038.125549	2.0	3767360.360
Ca	43	1	He	2081.513737	1.6	11372.327
Ca	44	1	He	2026.746505	1.4	185449.840
Ti	47	1	He	78.079523	0.8	45755.823
V	51	1	He	82.959326	1.7	1148048.810
Cr	52	1	He	82.154178	1.6	1361924.873
Mn	55	1	He	84.473386	0.7	1058610.377
Fe	56	1	He	1044.684430	1.2	15846002.333
Co	59	1	He	82.916434	1.3	2037321.083
Ni	60	1	He	84.227892	0.3	507533.040
Cu	63	1	He	86.052296	0.9	1334008.333
Zn	66	1	He	81.250016	0.3	259803.773
As	75	1	He	78.109897	0.5	204694.990
Se	78	2	H2	80.115362	0.5	102485.797
Sr	88	1	He	77.471676	0.7	1616675.080
Mo	95	1	He	79.668340	0.4	771516.107
Pd	105	1	He	81.933895	0.5	1091187.197
Ag	107	1	He	41.735420	3.5	1108542.717
Cd	111	1	He	81.899141	1.4	413760.673
Sn	118	1	He	79.604816	0.6	1056135.037
Sb	121	1	He	77.269257	0.4	1337389.303
Ba	138	1	He	79.688789	0.8	3389937.240
Pt	195	1	He	81.646820	0.9	1292599.563
Hg	202	1	He	3.616371	4.3	28946.577
Tl	205	1	He	39.902788	0.7	2308644.703
Pb	206	1	He	80.699373	1.6	1585185.913
Pb	207	1	He	85.327081	0.4	1400654.927
Pb	208	1	He	82.304163	0.9	6377464.747
Bi	209	1	He	83.833205	2.5	5111337.110
Th	232	1	He	77.441501	1.0	6755638.857
U	238	1	He	76.289076	0.7	6807119.063

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	108.4609630	1186158.377
Sc	45	2	H2	108.7402416	7287957.667
Ge	72	1	He	109.2869354	740027.147
Ge	72	2	H2	108.9529948	1976247.710
In	115	1	He	103.5405570	7547478.603
Tb	159	1	He	105.3237065	17054245.580
Ir	193	1	He	104.6757418	8182735.087

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	038_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:27:14
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.146557	26.5	209.500
Be	9	2	H2	0.035374	9.8	34.333
B	11	2	H2	6.710564	6.6	8868.963
Na	23	1	He	17.823008	2.9	59352.813
Mg	24	1	He	0.199146	41.9	4253.857
Al	27	1	He	0.183071	46.7	406.670
Si	28	2	H2	0.785339	24.1	18424.600
K	39	1	He	1.967827	49.2	152394.610
Ca	43	1	He	3.477051	25.3	31.483
Ca	44	1	He	2.724473	12.0	466.370
Ti	47	1	He	0.015949	124.8	13.333
V	51	1	He	0.021524	153.5	-1721.020
Cr	52	1	He	0.004176	75.2	717.350
Mn	55	1	He	-0.052015		414.677
Fe	56	1	He	-0.161859		17285.607
Co	59	1	He	0.001948	35.9	166.667
Ni	60	1	He	-0.095260		426.677
Cu	63	1	He	0.068849	9.6	1432.063
Zn	66	1	He	0.006904	82.2	280.667
As	75	1	He	0.022335	36.4	368.500
Se	78	2	H2	0.007231	66.8	29.667
Sr	88	1	He	0.042205	7.8	1165.050
Mo	95	1	He	0.010267	21.2	126.667
Pd	105	1	He	0.008255	18.4	153.333
Ag	107	1	He	0.209526	18.2	6764.757
Cd	111	1	He	0.008214	67.8	46.630
Sn	118	1	He	0.017230	8.1	430.010
Sb	121	1	He	0.004518	81.5	186.670
Ba	138	1	He	0.007677	23.2	505.013
Pt	195	1	He	0.005757	40.2	193.340
Hg	202	1	He	0.028760	11.5	320.010
Tl	205	1	He	0.046840	17.9	3608.783
Pb	206	1	He	0.013028	25.8	366.673
Pb	207	1	He	0.013318	24.5	1296.737
Pb	208	1	He	0.011785	1.0	2341.767
Bi	209	1	He	0.007928	30.4	2256.863
Th	232	1	He	0.008550	6.6	833.363
U	238	1	He	0.004820	13.0	543.350

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	111.2342386	1216487.667
Sc	45	2	H2	112.5211629	7541361.500
Ge	72	1	He	109.2703672	739914.957
Ge	72	2	H2	111.9153529	2029980.547
In	115	1	He	107.3195897	7822947.170
Tb	159	1	He	107.4029998	17390929.323
Ir	193	1	He	108.0987342	8450317.997

Sample Name	10607340003_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	039SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:30:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	46.645973	0.2	35708.383
Be	9	2	H2	0.033669	8.6	28.167
B	11	2	H2	888.364537	2.3	611446.553
Na	23	1	He	246147.0493	1.2	505736285.800
Mg	24	1	He	120803.0091	1.1	137870987.947
Al	27	1	He	6.134926	1.9	4058.117
Si	28	2	H2	14551.70858	4.0	64481421.333
K	39	1	He	6216.891562	1.1	10705267.340
Ca	43	1	He	351415.6322	1.4	1834168.343
Ca	44	1	He	349438.6065	1.6	30542368.603
Ti	47	1	He	0.176992	9.8	102.667
V	51	1	He	8.244915	3.9	107403.390
Cr	52	1	He	4.642431	2.0	74164.430
Mn	55	1	He	9.760626	1.1	117861.573
Fe	56	1	He	4.643266	1.8	85731.483
Co	59	1	He	0.256692	3.0	5680.243
Ni	60	1	He	0.817768	3.3	5230.783
Cu	63	1	He	2.323053	0.9	32150.660
Zn	66	1	He	16.789313	1.8	47636.900
As	75	1	He	2.901226	1.8	6984.703
Se	78	2	H2	6.519896	2.0	7428.897
Sr	88	1	He	4739.814998	0.7	87701255.357
Mo	95	1	He	0.898797	1.2	7718.440
Pd	105	1	He	0.680129	4.8	8065.430
Ag	107	1	He	0.075381	14.1	2630.230
Cd	111	1	He	0.062052	15.4	281.023
Sn	118	1	He	0.190556	2.1	2406.863
Sb	121	1	He	0.123128	3.1	1980.133
Ba	138	1	He	51.204503	0.4	1965200.907
Pt	195	1	He	0.011278	38.0	250.010
Hg	202	1	He	0.022798	37.6	240.007
Tl	205	1	He	0.031238	21.7	2378.540
Pb	206	1	He	0.077948	8.1	1475.087
Pb	207	1	He	0.074333	3.4	2050.157
Pb	208	1	He	0.077959	3.4	6697.253
Bi	209	1	He	0.017265	13.3	2510.260
Th	232	1	He	0.014223	4.8	1116.720
U	238	1	He	7.744058	0.4	592802.153

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.7175304	1134282.917
Sc	45	2	H2	95.78972039	6419991.500
Ge	72	1	He	96.60771914	654170.917
Ge	72	2	H2	96.83892846	1756516.293
In	115	1	He	91.82032438	6693144.730
Tb	159	1	He	95.01569772	15385150.187
Ir	193	1	He	89.79126911	7019182.813

Sample Name	10607340004_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	040SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:34:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	60.489063	0.3	47171.723
Be	9	2	H2	0.053712	25.4	42.000
B	11	2	H2	1199.012011	1.8	839980.143
Na	23	1	He	324368.1456	1.3	686718283.100
Mg	24	1	He	111275.3220	2.0	130855308.050
Al	27	1	He	4.924952	1.1	3411.323
Si	28	2	H2	13173.76119	3.4	59496892.000
K	39	1	He	6816.786877	0.7	12081784.403
Ca	43	1	He	276500.6679	1.8	1487032.350
Ca	44	1	He	273127.9796	1.2	24599081.453
Ti	47	1	He	0.153177	12.0	92.000
V	51	1	He	8.373534	0.6	112443.390
Cr	52	1	He	30.438639	1.6	497615.803
Mn	55	1	He	0.280950	1.7	4505.910
Fe	56	1	He	5.033713	2.3	94165.467
Co	59	1	He	0.104965	3.2	2434.843
Ni	60	1	He	0.756869	3.0	5009.380
Cu	63	1	He	0.541315	0.4	7901.090
Zn	66	1	He	19.809522	1.3	57336.347
As	75	1	He	3.481261	2.7	8499.520
Se	78	2	H2	4.898948	2.0	5671.580
Sr	88	1	He	3806.019152	1.1	72574312.250
Mo	95	1	He	0.767860	3.2	6734.710
Pd	105	1	He	0.601766	6.7	7358.377
Ag	107	1	He	0.033551	15.6	1695.103
Cd	111	1	He	0.036417	8.8	171.313
Sn	118	1	He	0.081050	11.6	1153.383
Sb	121	1	He	0.074111	5.7	1265.060
Ba	138	1	He	39.675877	1.7	1569958.153
Pt	195	1	He	0.009193	34.5	226.673
Hg	202	1	He	0.025337	20.5	266.677
Tl	205	1	He	0.012401	16.9	1438.413
Pb	206	1	He	0.040976	2.4	845.030
Pb	207	1	He	0.030361	23.5	1443.410
Pb	208	1	He	0.037511	3.1	3990.217
Bi	209	1	He	0.020603	15.8	2776.973
Th	232	1	He	0.016568	8.6	1320.067
U	238	1	He	3.148269	1.2	246206.857

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	106.8738433	1168801.207
Sc	45	2	H2	97.62343946	6542890.500
Ge	72	1	He	98.62412155	667824.813
Ge	72	2	H2	98.31380851	1783268.457
In	115	1	He	94.63051256	6897990.403
Tb	159	1	He	97.96669834	15862982.680
Ir	193	1	He	91.71285963	7169397.810

Sample Name	10607340005_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	041SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:38:07
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	35.535064	0.7	27876.997
Be	9	2	H2	0.022365	38.1	21.333
B	11	2	H2	1106.482137	2.2	779266.370
Na	23	1	He	293379.7753	4.6	603607871.003
Mg	24	1	He	57560.52573	4.5	65787562.350
Al	27	1	He	7.222261	3.7	4738.277
Si	28	2	H2	16016.51364	4.3	72721482.667
K	39	1	He	4308.917872	4.8	7472508.637
Ca	43	1	He	186997.9247	4.1	977517.380
Ca	44	1	He	186736.0975	4.6	16344297.120
Ti	47	1	He	0.200116	4.4	116.000
V	51	1	He	12.021860	3.8	157732.710
Cr	52	1	He	34.357630	4.1	545860.207
Mn	55	1	He	0.727009	4.8	9727.303
Fe	56	1	He	8.246508	4.9	138136.660
Co	59	1	He	0.139308	1.9	3162.953
Ni	60	1	He	0.664814	4.8	4457.233
Cu	63	1	He	0.340611	2.3	5037.390
Zn	66	1	He	1.936810	5.9	5746.270
As	75	1	He	4.529304	5.1	10842.290
Se	78	2	H2	3.871219	1.1	4494.910
Sr	88	1	He	1956.644703	5.0	36649122.787
Mo	95	1	He	1.266738	7.1	10953.517
Pd	105	1	He	0.301444	10.2	3633.793
Ag	107	1	He	0.012976	33.0	1175.050
Cd	111	1	He	0.016199	9.8	76.710
Sn	118	1	He	0.111564	8.8	1495.083
Sb	121	1	He	0.053301	5.0	920.033
Ba	138	1	He	35.191803	2.9	1369600.603
Pt	195	1	He	0.014422	20.9	300.010
Hg	202	1	He	0.010161	95.7	150.003
Tl	205	1	He	0.005707	20.4	1061.710
Pb	206	1	He	0.020583	28.9	463.347
Pb	207	1	He	0.021444	22.1	1285.067
Pb	208	1	He	0.020419	4.7	2713.453
Bi	209	1	He	0.007785	18.8	2016.847
Th	232	1	He	0.005227	3.9	455.010
U	238	1	He	6.067895	2.2	476382.610

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.9806725	1137160.710
Sc	45	2	H2	98.09256601	6574332.167
Ge	72	1	He	97.57538401	660723.377
Ge	72	2	H2	98.50358642	1786710.750
In	115	1	He	93.06654142	6783986.393
Tb	159	1	He	96.40761365	15610532.267
Ir	193	1	He	92.10947589	7200402.183

Sample Name	10607340006_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	042SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:41:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	40.720847	1.1	31803.657
Be	9	2	H2	0.063637	16.4	48.667
B	11	2	H2	992.121507	1.8	696091.577
Na	23	1	He	274555.3450	0.7	574976711.433
Mg	24	1	He	57794.97811	1.3	67232525.667
Al	27	1	He	6.956091	2.7	4653.590
Si	28	2	H2	15429.49153	4.8	69761398.667
K	39	1	He	4367.111289	0.5	7707018.637
Ca	43	1	He	167439.1713	0.8	890785.130
Ca	44	1	He	167292.2686	1.5	14904102.807
Ti	47	1	He	0.174669	21.8	103.333
V	51	1	He	11.541983	2.6	154034.450
Cr	52	1	He	27.410311	0.4	443339.373
Mn	55	1	He	0.680285	2.3	9329.767
Fe	56	1	He	10.702254	1.6	176862.873
Co	59	1	He	0.092019	3.7	2186.810
Ni	60	1	He	0.436147	1.7	3329.650
Cu	63	1	He	0.400558	1.2	6041.700
Zn	66	1	He	3.469034	3.4	10421.717
As	75	1	He	4.101991	0.7	10150.050
Se	78	2	H2	4.132817	0.9	4820.660
Sr	88	1	He	1936.268883	0.3	37143351.947
Mo	95	1	He	1.292382	2.2	11528.890
Pd	105	1	He	0.297992	1.7	3683.803
Ag	107	1	He	0.010848	12.6	1151.717
Cd	111	1	He	0.060595	32.8	284.880
Sn	118	1	He	0.165563	6.0	2190.167
Sb	121	1	He	0.065008	9.7	1128.383
Ba	138	1	He	31.573898	0.9	1265041.727
Pt	195	1	He	0.010112	46.8	243.340
Hg	202	1	He	0.010282	63.7	156.670
Tl	205	1	He	0.011253	16.2	1393.410
Pb	206	1	He	0.064115	19.4	1283.400
Pb	207	1	He	0.059878	9.2	1916.800
Pb	208	1	He	0.062085	10.6	5832.110
Bi	209	1	He	0.045486	6.9	4240.660
Th	232	1	He	0.015983	1.7	1310.070
U	238	1	He	6.072052	0.8	487811.570

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.7133394	1156109.623
Sc	45	2	H2	97.68929125	6547304.000
Ge	72	1	He	100.4455957	680158.770
Ge	72	2	H2	98.99513457	1795626.713
In	115	1	He	95.19274603	6938973.813
Tb	159	1	He	99.18711987	16060596.010
Ir	193	1	He	94.23088962	7366237.803

Sample Name	10607340007_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	043SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:45:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	28.343458	0.4	22081.370
Be	9	2	H2	0.024237	9.7	22.333
B	11	2	H2	792.181559	4.1	554978.457
Na	23	1	He	188492.8968	4.1	377144487.713
Mg	24	1	He	50280.70819	3.8	55888450.833
Al	27	1	He	5.324364	3.6	3464.663
Si	28	2	H2	15581.39281	4.9	70229644.000
K	39	1	He	3737.951622	3.8	6322409.283
Ca	43	1	He	177196.4842	3.1	900863.970
Ca	44	1	He	176584.8538	3.7	15031974.173
Ti	47	1	He	0.161298	30.8	92.000
V	51	1	He	12.195745	3.8	155609.363
Cr	52	1	He	20.984459	3.8	324419.357
Mn	55	1	He	0.594742	3.2	7919.090
Fe	56	1	He	5.786657	3.5	99646.077
Co	59	1	He	0.061275	7.6	1441.400
Ni	60	1	He	0.404636	2.0	3052.937
Cu	63	1	He	0.294223	3.9	4375.217
Zn	66	1	He	6.885618	3.1	19772.237
As	75	1	He	5.537866	3.8	13145.660
Se	78	2	H2	3.412184	3.1	3954.780
Sr	88	1	He	1544.018460	4.1	28957589.567
Mo	95	1	He	1.246342	4.0	10753.410
Pd	105	1	He	0.238893	10.4	2890.303
Ag	107	1	He	0.006296	76.6	1020.043
Cd	111	1	He	0.024993	22.1	116.770
Sn	118	1	He	0.131286	12.7	1735.110
Sb	121	1	He	0.049266	9.9	860.030
Ba	138	1	He	41.072642	3.0	1609065.393
Pt	195	1	He	0.012326	44.7	270.010
Hg	202	1	He	0.012755	110.8	173.340
Tl	205	1	He	0.003394	21.8	945.037
Pb	206	1	He	0.035361	10.7	736.693
Pb	207	1	He	0.029200	20.7	1410.077
Pb	208	1	He	0.033420	2.2	3660.193
Bi	209	1	He	0.020626	10.8	2750.297
Th	232	1	He	0.007141	7.8	606.687
U	238	1	He	4.827040	2.1	381936.077

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.0931402	1105581.877
Sc	45	2	H2	97.35165691	6524675.167
Ge	72	1	He	97.16502514	657944.667
Ge	72	2	H2	98.29689718	1782961.710
In	115	1	He	93.14776267	6789906.930
Tb	159	1	He	97.03914122	15712790.597
Ir	193	1	He	92.83165278	7256856.353

Sample Name	10607340008_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	044SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:48:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	28.831038	0.7	22311.643
Be	9	2	H2	0.051307	9.3	40.000
B	11	2	H2	696.695898	2.0	484735.030
Na	23	1	He	175233.0129	0.7	357007701.347
Mg	24	1	He	50793.60998	1.5	57480149.143
Al	27	1	He	8.875715	2.7	5703.217
Si	28	2	H2	15124.10410	4.6	67728881.333
K	39	1	He	3621.718532	0.9	6241147.200
Ca	43	1	He	178686.9271	0.5	924773.380
Ca	44	1	He	177695.3361	1.0	15400122.257
Ti	47	1	He	0.167824	21.7	96.667
V	51	1	He	12.367656	1.6	160708.763
Cr	52	1	He	13.202563	0.7	208037.913
Mn	55	1	He	0.709435	0.4	9422.470
Fe	56	1	He	3.488001	0.7	68414.677
Co	59	1	He	0.075864	4.4	1794.097
Ni	60	1	He	0.301278	6.0	2544.190
Cu	63	1	He	0.297148	1.8	4498.577
Zn	66	1	He	3.588363	1.4	10607.157
As	75	1	He	5.303491	1.2	12839.103
Se	78	2	H2	3.532226	2.2	4099.147
Sr	88	1	He	1599.667833	0.5	30144271.217
Mo	95	1	He	1.104667	2.7	9704.443
Pd	105	1	He	0.218900	3.9	2666.933
Ag	107	1	He	0.003963	70.7	966.700
Cd	111	1	He	0.034469	30.5	160.420
Sn	118	1	He	0.090174	5.3	1248.390
Sb	121	1	He	0.052981	1.6	920.030
Ba	138	1	He	35.694486	1.0	1410899.300
Pt	195	1	He	0.015324	22.3	316.677
Hg	202	1	He	0.005176	116.8	116.667
Tl	205	1	He	0.012699	15.8	1451.747
Pb	206	1	He	0.061974	9.1	1226.727
Pb	207	1	He	0.057334	12.4	1851.793
Pb	208	1	He	0.061389	4.5	5703.760
Bi	209	1	He	0.040734	10.8	3913.897
Th	232	1	He	0.016124	5.5	1313.403
U	238	1	He	3.879474	0.2	309875.203

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.8393477	1124678.873
Sc	45	2	H2	96.69705565	6480802.667
Ge	72	1	He	98.89588899	669665.063
Ge	72	2	H2	98.44050249	1785566.500
In	115	1	He	93.51358062	6816572.840
Tb	159	1	He	97.85943747	15845614.763
Ir	193	1	He	93.67879140	7323079.060

Sample Name	10607546001_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	045SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:52:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	58.481397	1.7	44798.057
Be	9	2	H2	0.021498	29.9	20.333
B	11	2	H2	120.672413	4.6	85726.490
Na	23	1	He	63631.16888	0.7	128805968.083
Mg	24	1	He	93991.61841	0.6	105676291.760
Al	27	1	He	4.870025	1.3	3227.620
Si	28	2	H2	14333.63163	5.3	63598396.000
K	39	1	He	4643.374886	1.0	7911285.713
Ca	43	1	He	217182.9090	0.1	1116709.073
Ca	44	1	He	216523.5443	1.2	18643660.350
Ti	47	1	He	0.154461	5.3	88.667
V	51	1	He	8.109770	1.5	104048.547
Cr	52	1	He	11.481224	0.8	179819.707
Mn	55	1	He	2.230906	1.5	27304.533
Fe	56	1	He	12.241122	0.2	192891.820
Co	59	1	He	0.064583	3.6	1534.073
Ni	60	1	He	0.267757	4.0	2347.500
Cu	63	1	He	0.785705	3.5	11280.893
Zn	66	1	He	3.798796	1.5	11147.483
As	75	1	He	3.569520	0.2	8679.940
Se	78	2	H2	4.134789	1.2	4732.973
Sr	88	1	He	2579.056869	0.9	48617485.940
Mo	95	1	He	0.841245	2.2	7351.590
Pd	105	1	He	0.392298	2.1	4754.080
Ag	107	1	He	-0.001647		831.697
Cd	111	1	He	0.010502	35.7	51.127
Sn	118	1	He	0.144258	5.2	1896.787
Sb	121	1	He	0.056262	9.9	971.703
Ba	138	1	He	75.244777	0.6	2988942.873
Pt	195	1	He	0.011155	25.8	256.673
Hg	202	1	He	0.002413	29.2	96.667
Tl	205	1	He	-0.000409		751.693
Pb	206	1	He	0.018533	3.3	436.677
Pb	207	1	He	0.024473	5.9	1358.403
Pb	208	1	He	0.020508	5.1	2775.123
Bi	209	1	He	0.015592	18.1	2503.577
Th	232	1	He	0.008655	9.3	736.693
U	238	1	He	6.136224	0.8	494600.437

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.1701756	1117360.627
Sc	45	2	H2	95.84926328	6423982.167
Ge	72	1	He	98.29566975	665600.730
Ge	72	2	H2	97.14852237	1762131.873
In	115	1	He	93.55277346	6819429.760
Tb	159	1	He	98.34546306	15924313.093
Ir	193	1	He	94.54369525	7390690.513

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	046_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:56:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	83.504503	4.6	68846.330
Be	9	2	H2	82.783250	4.1	58150.800
B	11	2	H2	90.428203	5.7	69931.340
Na	23	1	He	2101.256602	1.2	4297178.163
Mg	24	1	He	2062.031787	1.3	2336021.320
Al	27	1	He	2023.298090	0.8	1239764.003
Si	28	2	H2	1013.711454	4.6	4850966.833
K	39	1	He	2003.536708	0.7	3512565.887
Ca	43	1	He	2035.698835	1.0	10541.607
Ca	44	1	He	2029.679987	1.6	176020.343
Ti	47	1	He	77.391661	1.1	42985.117
V	51	1	He	82.315816	0.8	1079672.477
Cr	52	1	He	82.765753	0.2	1300479.043
Mn	55	1	He	83.964821	0.5	997304.123
Fe	56	1	He	1038.641918	1.6	14931030.667
Co	59	1	He	82.157374	0.8	1902081.167
Ni	60	1	He	83.485607	0.6	474012.270
Cu	63	1	He	86.041189	0.9	1256804.083
Zn	66	1	He	81.501612	0.8	245546.277
As	75	1	He	77.995300	0.5	192585.000
Se	78	2	H2	78.123973	0.8	95641.507
Sr	88	1	He	77.352465	1.3	1538629.560
Mo	95	1	He	81.177440	0.8	740691.787
Pd	105	1	He	82.361464	0.9	1045576.263
Ag	107	1	He	41.071787	3.1	1040089.230
Cd	111	1	He	80.757371	1.0	388932.020
Sn	118	1	He	79.477679	0.4	1005132.590
Sb	121	1	He	76.811971	1.4	1267261.830
Ba	138	1	He	79.719659	1.1	3265696.723
Pt	195	1	He	82.540157	0.3	1258396.960
Hg	202	1	He	3.802256	4.0	29323.823
Tl	205	1	He	40.027874	0.2	2230301.580
Pb	206	1	He	81.014037	2.0	1532419.250
Pb	207	1	He	85.669971	1.5	1354058.990
Pb	208	1	He	81.959890	1.6	6115489.340
Bi	209	1	He	83.115721	1.2	4880786.697
Th	232	1	He	77.487317	1.2	6552710.527
U	238	1	He	76.066687	1.0	6579560.530

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.7951065	1124195.040
Sc	45	2	H2	103.1632980	6914181.333
Ge	72	1	He	102.9718310	697264.957
Ge	72	2	H2	104.2675857	1891261.253
In	115	1	He	98.70018234	7194644.647
Tb	159	1	He	101.4284097	16423510.587
Ir	193	1	He	101.4735786	7932414.883

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	047_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:59:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.116884	4.4	173.000
Be	9	2	H2	0.015734	13.0	18.333
B	11	2	H2	7.208050	9.3	8795.560
Na	23	1	He	24.554621	6.8	68850.337
Mg	24	1	He	-0.010306		3705.413
Al	27	1	He	0.160783	48.6	363.333
Si	28	2	H2	0.988044	45.1	18422.423
K	39	1	He	5.772913	82.9	147838.107
Ca	43	1	He	3.416944	57.2	28.687
Ca	44	1	He	2.762858	36.0	434.823
Ti	47	1	He	0.004612	77.9	6.000
V	51	1	He	-0.101976		-3223.500
Cr	52	1	He	0.005402	48.7	685.350
Mn	55	1	He	-0.067422		200.667
Fe	56	1	He	-0.149876		16217.280
Co	59	1	He	-0.000198		106.000
Ni	60	1	He	-0.111566		306.667
Cu	63	1	He	0.027900	9.2	744.020
Zn	66	1	He	-0.008127		216.667
As	75	1	He	0.024185	25.7	348.167
Se	78	2	H2	0.009459	31.3	31.333
Sr	88	1	He	0.040525	13.2	1053.377
Mo	95	1	He	0.004151	42.4	63.333
Pd	105	1	He	0.007764	33.8	136.667
Ag	107	1	He	0.221665	19.1	6609.677
Cd	111	1	He	0.004762	31.8	26.650
Sn	118	1	He	0.014079	39.3	360.010
Sb	121	1	He	0.003429	29.6	156.667
Ba	138	1	He	0.006239	25.7	420.010
Pt	195	1	He	0.008824	54.5	230.007
Hg	202	1	He	0.025585	18.5	280.010
Tl	205	1	He	0.046416	25.1	3398.727
Pb	206	1	He	0.004018	36.9	176.667
Pb	207	1	He	0.012105	52.6	1215.060
Pb	208	1	He	0.006454	28.4	1826.737
Bi	209	1	He	0.005585	21.5	2010.177
Th	232	1	He	0.006998	7.9	648.353
U	238	1	He	0.003855	12.5	426.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.3688548	1130469.707
Sc	45	2	H2	106.7191877	7152503.167
Ge	72	1	He	101.9647603	690445.663
Ge	72	2	H2	107.5171910	1950204.333
In	115	1	He	100.3765978	7316845.170
Tb	159	1	He	102.2847675	16562173.920
Ir	193	1	He	101.2211951	7912685.503

Sample Name	10607546002_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	048SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:03:22
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	19.237529	4.5	15685.350
Be	9	2	H2	0.049248	12.6	40.667
B	11	2	H2	50.617285	5.4	39953.037
Na	23	1	He	23334.76010	2.2	47724855.957
Mg	24	1	He	31542.60223	1.8	35825397.797
Al	27	1	He	38.582099	2.1	23995.117
Si	28	2	H2	4997.677823	7.1	23532753.333
K	39	1	He	4787.443164	1.8	8235232.587
Ca	43	1	He	79481.66846	1.2	412841.890
Ca	44	1	He	79571.28715	2.3	6920746.817
Ti	47	1	He	0.182785	36.7	105.333
V	51	1	He	5.803685	4.7	74663.390
Cr	52	1	He	9.830594	2.1	155612.270
Mn	55	1	He	131.146681	1.7	1563371.540
Fe	56	1	He	14.912164	1.8	233370.277
Co	59	1	He	0.658508	1.5	15011.600
Ni	60	1	He	0.972779	3.0	6308.460
Cu	63	1	He	0.334533	1.2	5112.077
Zn	66	1	He	4.327380	1.1	12970.043
As	75	1	He	2.420833	1.5	6119.887
Se	78	2	H2	1.251963	1.2	1522.737
Sr	88	1	He	945.759054	0.7	18518616.390
Mo	95	1	He	1.044208	0.7	9339.267
Pd	105	1	He	0.142777	6.9	1820.133
Ag	107	1	He	0.057674	12.7	2341.847
Cd	111	1	He	0.031778	18.5	153.863
Sn	118	1	He	0.165503	3.4	2235.170
Sb	121	1	He	0.189226	5.3	3168.663
Ba	138	1	He	24.664368	0.7	998620.167
Pt	195	1	He	0.011485	11.6	266.677
Hg	202	1	He	0.027172	26.4	286.677
Tl	205	1	He	0.031159	8.5	2503.553
Pb	206	1	He	0.053050	14.3	1090.053
Pb	207	1	He	0.052931	8.8	1828.457
Pb	208	1	He	0.053384	4.7	5252.040
Bi	209	1	He	0.026036	13.2	3157.060
Th	232	1	He	0.018464	6.4	1575.097
U	238	1	He	1.195773	1.8	100616.280

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.2177064	1128816.707
Sc	45	2	H2	101.6325479	6811587.833
Ge	72	1	He	100.6641645	681638.790
Ge	72	2	H2	102.3448810	1856386.207
In	115	1	He	97.16645144	7082844.967
Tb	159	1	He	100.2294620	16229374.343
Ir	193	1	He	98.62370924	7709634.263

Sample Name	10607546003_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	049SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:06:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	31.887970	1.3	24412.063
Be	9	2	H2	0.020515	12.0	19.500
B	11	2	H2	840.057665	2.6	578083.167
Na	23	1	He	186297.4890	0.3	378019074.367
Mg	24	1	He	51560.54500	0.7	58116009.133
Al	27	1	He	4.762360	3.4	3169.607
Si	28	2	H2	15035.20103	4.5	66629064.000
K	39	1	He	3971.885522	0.6	6804130.107
Ca	43	1	He	194086.3300	0.3	1000450.193
Ca	44	1	He	194344.8212	0.5	16775834.043
Ti	47	1	He	0.151721	16.2	87.333
V	51	1	He	10.437846	3.7	134795.897
Cr	52	1	He	42.464026	0.1	665125.310
Mn	55	1	He	0.271628	1.3	4208.503
Fe	56	1	He	3.462877	0.5	67778.973
Co	59	1	He	0.049201	5.0	1190.043
Ni	60	1	He	0.338759	3.2	2721.550
Cu	63	1	He	0.206734	1.4	3199.630
Zn	66	1	He	2.670028	2.2	7876.423
As	75	1	He	5.418646	0.4	12985.213
Se	78	2	H2	4.594009	1.2	5246.450
Sr	88	1	He	1517.255579	1.0	28510564.573
Mo	95	1	He	1.567027	5.8	13618.763
Pd	105	1	He	0.226469	8.8	2750.287
Ag	107	1	He	0.017278	27.4	1281.730
Cd	111	1	He	0.025167	17.9	117.580
Sn	118	1	He	0.054738	10.1	821.697
Sb	121	1	He	0.080926	14.1	1353.403
Ba	138	1	He	61.047031	1.5	2405442.360
Pt	195	1	He	0.009739	54.7	233.340
Hg	202	1	He	0.012831	86.7	173.337
Tl	205	1	He	0.001119	160.9	826.700
Pb	206	1	He	0.013712	21.6	345.010
Pb	207	1	He	0.006547	72.6	1075.047
Pb	208	1	He	0.011830	12.1	2130.080
Bi	209	1	He	0.001757	224.8	1700.123
Th	232	1	He	0.003671	32.8	336.673
U	238	1	He	4.418426	1.1	348154.580

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.4256935	1120155.040
Sc	45	2	H2	95.71159397	6414755.333
Ge	72	1	He	97.94697057	663239.543
Ge	72	2	H2	96.95191995	1758565.793
In	115	1	He	93.24835444	6797239.460
Tb	159	1	He	97.56330501	15797664.347
Ir	193	1	He	92.41633840	7224390.307

Sample Name	4319183_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	050SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:10:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	131.505305	1.1	100897.893
Be	9	2	H2	102.589014	1.6	67101.760
B	11	2	H2	953.463313	3.7	658506.473
Na	23	1	He	186281.3996	1.1	382463300.967
Mg	24	1	He	53472.34236	0.8	60986594.090
Al	27	1	He	2045.833756	0.6	1263907.833
Si	28	2	H2	15632.32226	5.3	69538177.333
K	39	1	He	6006.286554	0.3	10340085.473
Ca	43	1	He	195871.3306	0.1	1021641.090
Ca	44	1	He	194158.1504	0.6	16958574.180
Ti	47	1	He	100.594552	0.8	56330.527
V	51	1	He	116.661678	0.3	1543590.717
Cr	52	1	He	145.885447	0.5	2310738.000
Mn	55	1	He	102.180922	0.9	1223418.500
Fe	56	1	He	2050.669144	0.6	29706666.000
Co	59	1	He	105.066110	0.6	2338061.250
Ni	60	1	He	104.873173	0.7	572093.083
Cu	63	1	He	101.739882	1.4	1428337.420
Zn	66	1	He	102.883611	1.1	297873.970
As	75	1	He	111.323861	0.6	264095.210
Se	78	2	H2	110.073211	1.9	125214.277
Sr	88	1	He	1630.453993	0.9	30440061.217
Mo	95	1	He	109.884174	0.6	963726.263
Pd	105	1	He	20.190832	0.3	240645.200
Ag	107	1	He	46.346096	2.8	1101623.997
Cd	111	1	He	102.094220	1.1	461533.767
Sn	118	1	He	105.621621	0.3	1253853.237
Sb	121	1	He	102.051405	1.0	1580466.953
Ba	138	1	He	162.731751	0.6	6443456.360
Pt	195	1	He	20.239484	1.3	298299.170
Hg	202	1	He	0.014152	81.5	183.337
Tl	205	1	He	100.258772	0.9	5398094.920
Pb	206	1	He	99.075826	1.1	1811640.703
Pb	207	1	He	100.530897	2.2	1535677.113
Pb	208	1	He	98.771557	0.6	7123739.220
Bi	209	1	He	97.967377	1.6	5560326.377
Th	232	1	He	107.068294	0.5	8334090.710
U	238	1	He	106.618446	1.3	8488246.540

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.6418913	1133455.707
Sc	45	2	H2	96.08984699	6440106.500
Ge	72	1	He	98.97773698	670219.290
Ge	72	2	H2	96.88391317	1757332.250
In	115	1	He	92.65023417	6753640.120
Tb	159	1	He	98.03306250	15873728.510
Ir	193	1	He	93.40552723	7301717.393

Sample Name	10607546004_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	051SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:14:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	77.333483	2.0	60517.647
Be	9	2	H2	0.055437	17.4	43.333
B	11	2	H2	174.886722	3.2	125549.983
Na	23	1	He	136432.9572	1.1	286000069.070
Mg	24	1	He	101829.2589	0.8	118570914.900
Al	27	1	He	5.783574	3.6	3918.420
Si	28	2	H2	8608.450338	6.1	39041486.667
K	39	1	He	7552.520132	0.6	13238263.133
Ca	43	1	He	196875.7727	0.6	1048413.880
Ca	44	1	He	196081.1770	1.2	17485555.767
Ti	47	1	He	0.132627	9.5	79.333
V	51	1	He	6.635657	3.8	87813.120
Cr	52	1	He	5.244630	1.1	85404.187
Mn	55	1	He	355.872056	1.0	4347759.000
Fe	56	1	He	9.764803	0.4	163176.873
Co	59	1	He	0.667743	0.6	15114.360
Ni	60	1	He	1.821080	3.6	10930.003
Cu	63	1	He	0.221290	3.0	3471.680
Zn	66	1	He	23.618026	1.3	69240.763
As	75	1	He	2.152996	1.7	5436.327
Se	78	2	H2	3.070826	0.9	3607.703
Sr	88	1	He	2962.950013	0.4	56230169.163
Mo	95	1	He	7.768674	2.0	68828.267
Pd	105	1	He	0.443279	3.3	5404.293
Ag	107	1	He	0.228708	21.7	6402.963
Cd	111	1	He	0.043368	31.3	202.683
Sn	118	1	He	0.388000	2.4	4850.723
Sb	121	1	He	0.251572	4.0	4052.187
Ba	138	1	He	161.106715	1.1	6390887.613
Pt	195	1	He	0.014995	20.3	313.343
Hg	202	1	He	0.016749	17.4	203.340
Tl	205	1	He	0.043977	16.2	3145.340
Pb	206	1	He	0.053213	9.9	1071.713
Pb	207	1	He	0.047573	9.4	1710.107
Pb	208	1	He	0.052805	3.9	5105.350
Bi	209	1	He	0.047372	17.1	4304.023
Th	232	1	He	0.030796	9.1	2461.887
U	238	1	He	1.583633	0.5	126706.927

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.8176184	1157250.047
Sc	45	2	H2	97.93963299	6564082.333
Ge	72	1	He	99.95726840	676852.103
Ge	72	2	H2	99.57129503	1806077.420
In	115	1	He	94.17726282	6864951.247
Tb	159	1	He	98.21440219	15903091.430
Ir	193	1	He	93.80072568	7332610.933

Sample Name	10607546005_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	052SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:17:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	65.218254	1.0	48649.873
Be	9	2	H2	0.042558	9.0	33.167
B	11	2	H2	100.545083	3.0	70045.060
Na	23	1	He	80109.09644	0.7	158304734.310
Mg	24	1	He	125280.3140	1.6	137502574.617
Al	27	1	He	8.614766	1.7	5377.120
Si	28	2	H2	13606.12950	5.2	58826554.667
K	39	1	He	5586.400773	0.6	9264730.280
Ca	43	1	He	290257.0734	0.6	1456966.323
Ca	44	1	He	290019.1642	0.8	24378706.827
Ti	47	1	He	0.153471	13.8	86.000
V	51	1	He	7.675677	6.8	96052.683
Cr	52	1	He	37.035151	0.2	564964.750
Mn	55	1	He	3.664739	1.5	43165.290
Fe	56	1	He	7.246916	1.0	118720.050
Co	59	1	He	0.101431	6.9	2270.153
Ni	60	1	He	0.420667	3.1	3069.607
Cu	63	1	He	0.162854	2.3	2512.850
Zn	66	1	He	13.460646	1.3	37617.293
As	75	1	He	3.965674	1.1	9293.750
Se	78	2	H2	5.268251	2.5	5851.300
Sr	88	1	He	3746.775898	0.8	68452153.980
Mo	95	1	He	1.623998	3.5	13698.810
Pd	105	1	He	0.585310	3.6	6858.217
Ag	107	1	He	0.068491	3.1	2436.867
Cd	111	1	He	0.030069	42.6	135.887
Sn	118	1	He	0.126291	4.5	1630.093
Sb	121	1	He	0.066278	5.8	1093.380
Ba	138	1	He	73.387311	0.3	2847783.917
Pt	195	1	He	0.011327	33.5	253.340
Hg	202	1	He	0.008220	11.3	136.667
Tl	205	1	He	0.015125	15.8	1553.430
Pb	206	1	He	0.055479	3.9	1088.383
Pb	207	1	He	0.050981	7.5	1723.443
Pb	208	1	He	0.055256	1.4	5167.027
Bi	209	1	He	0.028285	8.7	3150.380
Th	232	1	He	0.018338	9.8	1441.753
U	238	1	He	6.659204	0.9	515701.843

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.74080894	1090792.417
Sc	45	2	H2	93.36737370	6257641.667
Ge	72	1	He	95.04098889	643561.937
Ge	72	2	H2	94.34290972	1711242.170
In	115	1	He	90.66118482	6608650.487
Tb	159	1	He	96.07204098	15556195.603
Ir	193	1	He	90.83547258	7100810.517

Sample Name	10607546006_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	053SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:21:27
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.634206	0.5	60852.737
Be	9	2	H2	0.029152	41.1	26.167
B	11	2	H2	139.819684	2.6	102500.790
Na	23	1	He	234338.0165	5.6	476452846.233
Mg	24	1	He	312.508693	5.9	356593.967
Al	27	1	He	26.467005	5.8	16451.280
Si	28	2	H2	867.109903	4.9	4003106.667
K	39	1	He	66174.67500	5.3	111444891.673
Ca	43	1	He	87209.44582	5.6	450433.807
Ca	44	1	He	87477.19619	4.7	7567885.897
Ti	47	1	He	0.178485	18.9	102.000
V	51	1	He	0.486392	26.7	4550.363
Cr	52	1	He	12.959057	5.1	203821.227
Mn	55	1	He	0.045346	17.3	1536.737
Fe	56	1	He	4.401615	7.0	81376.490
Co	59	1	He	0.060583	5.5	1422.730
Ni	60	1	He	0.702439	6.3	4621.943
Cu	63	1	He	1.177486	3.4	16476.223
Zn	66	1	He	2.680112	5.8	7803.053
As	75	1	He	0.849286	3.3	2242.143
Se	78	2	H2	2.845021	0.6	3402.333
Sr	88	1	He	1871.754886	5.2	35072306.147
Mo	95	1	He	33.967321	4.9	291067.577
Pd	105	1	He	0.306755	9.7	3703.813
Ag	107	1	He	0.039984	14.3	1818.447
Cd	111	1	He	0.028817	7.4	134.347
Sn	118	1	He	0.324200	11.5	4022.173
Sb	121	1	He	0.570371	5.5	8955.757
Ba	138	1	He	300.980764	5.9	11645695.663
Pt	195	1	He	0.018749	8.3	360.013
Hg	202	1	He	0.012695	39.5	170.003
Tl	205	1	He	0.035698	5.9	2636.920
Pb	206	1	He	0.051595	10.6	1015.043
Pb	207	1	He	0.053474	13.3	1763.453
Pb	208	1	He	0.051397	2.7	4888.653
Bi	209	1	He	0.024903	23.7	2967.020
Th	232	1	He	0.010104	0.9	828.363
U	238	1	He	0.007720	20.4	686.690

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.7960212	1124205.043
Sc	45	2	H2	99.42001883	6663300.333
Ge	72	1	He	96.80328389	655495.167
Ge	72	2	H2	101.3172278	1837746.083
In	115	1	He	93.13295047	6788827.210
Tb	159	1	He	96.01513348	15546981.017
Ir	193	1	He	92.01362718	7192909.477

Sample Name	10607546007_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	054SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:25:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	58.316883	1.4	45022.290
Be	9	2	H2	0.032603	11.5	27.667
B	11	2	H2	137.536673	2.8	98030.303
Na	23	1	He	104625.0182	0.8	216396396.777
Mg	24	1	He	107996.0778	0.9	124069604.817
Al	27	1	He	11.656929	0.5	7520.867
Si	28	2	H2	10130.84461	4.5	45306334.667
K	39	1	He	6893.655127	0.5	11934043.987
Ca	43	1	He	214045.9445	0.3	1124614.037
Ca	44	1	He	214336.5617	0.9	18857991.657
Ti	47	1	He	0.148699	18.0	87.333
V	51	1	He	6.247727	0.6	81469.330
Cr	52	1	He	2.829733	1.2	45742.727
Mn	55	1	He	196.053831	0.4	2363667.250
Fe	56	1	He	4.968708	1.2	91048.260
Co	59	1	He	0.852086	0.9	19058.740
Ni	60	1	He	2.170599	0.4	12721.863
Cu	63	1	He	0.224794	2.8	3484.353
Zn	66	1	He	39.551527	0.6	114603.370
As	75	1	He	1.646651	1.3	4180.990
Se	78	2	H2	4.299617	1.9	4948.360
Sr	88	1	He	3741.480720	0.6	70448653.950
Mo	95	1	He	3.473170	2.4	30474.977
Pd	105	1	He	0.603849	9.2	7288.337
Ag	107	1	He	0.014800	17.7	1225.053
Cd	111	1	He	0.040872	32.2	189.193
Sn	118	1	He	0.245938	3.3	3111.973
Sb	121	1	He	0.101841	8.9	1681.767
Ba	138	1	He	357.709512	0.8	14087023.957
Pt	195	1	He	0.006982	62.3	193.340
Hg	202	1	He	0.012909	17.0	173.340
Tl	205	1	He	0.012655	12.0	1445.080
Pb	206	1	He	0.033393	13.7	703.357
Pb	207	1	He	0.034359	39.2	1496.757
Pb	208	1	He	0.033265	14.6	3666.863
Bi	209	1	He	0.028112	20.8	3187.063
Th	232	1	He	0.008104	2.4	683.353
U	238	1	He	2.484394	1.7	197306.130

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	104.4010895	1141758.503
Sc	45	2	H2	96.61013855	6474977.333
Ge	72	1	He	98.93220292	669910.960
Ge	72	2	H2	97.68040105	1771779.373
In	115	1	He	93.44036891	6811236.150
Tb	159	1	He	97.50494879	15788215.180
Ir	193	1	He	93.12749261	7279982.810

Sample Name	FB 5/11/22
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	055SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:28:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.145763	18.7	195.167
Be	9	2	H2	0.023388	16.6	23.667
B	11	2	H2	7.962328	10.9	9275.827
Na	23	1	He	61.666491	3.0	148087.840
Mg	24	1	He	8.675893	8.8	13891.967
Al	27	1	He	17.123316	1.0	11048.293
Si	28	2	H2	16.296997	5.7	93048.880
K	39	1	He	13.048502	6.5	163863.897
Ca	43	1	He	35.179440	7.9	198.420
Ca	44	1	He	34.933294	16.3	3310.707
Ti	47	1	He	0.228651	8.2	134.000
V	51	1	He	-0.054367		-2659.493
Cr	52	1	He	0.357981	3.5	6389.810
Mn	55	1	He	0.024006	20.7	1320.720
Fe	56	1	He	4.942598	0.2	91714.733
Co	59	1	He	0.011881	4.8	388.010
Ni	60	1	He	-0.069808		548.010
Cu	63	1	He	0.104792	5.1	1880.107
Zn	66	1	He	1.236628	0.5	3977.123
As	75	1	He	0.163412	12.1	697.180
Se	78	2	H2	0.108741	7.0	154.333
Sr	88	1	He	0.224606	10.2	4874.060
Mo	95	1	He	0.110666	4.6	1038.377
Pd	105	1	He	0.075426	7.8	1030.050
Ag	107	1	He	-0.010938		666.687
Cd	111	1	He	0.013271	19.8	69.687
Sn	118	1	He	0.251565	6.2	3482.063
Sb	121	1	He	0.095926	4.0	1741.773
Ba	138	1	He	0.083496	10.1	3630.433
Pt	195	1	He	0.010832	40.1	263.343
Hg	202	1	He	0.009152	60.7	153.337
Tl	205	1	He	-0.003137		631.687
Pb	206	1	He	0.032281	7.7	720.027
Pb	207	1	He	0.045696	4.7	1760.117
Pb	208	1	He	0.035050	5.7	4001.900
Bi	209	1	He	0.025334	10.5	3197.067
Th	232	1	He	0.010680	13.3	970.040
U	238	1	He	0.004448	5.2	481.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.6094460	1154973.417
Sc	45	2	H2	105.6112036	7078244.167
Ge	72	1	He	103.2665474	699260.603
Ge	72	2	H2	105.9369021	1921540.207
In	115	1	He	102.3391588	7459903.960
Tb	159	1	He	102.8398541	16652054.750
Ir	193	1	He	102.2879637	7996077.173

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	056_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:32:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.849601	4.8	66997.107
Be	9	2	H2	82.417415	3.8	56779.840
B	11	2	H2	88.098613	4.7	66893.263
Na	23	1	He	2109.144673	0.7	4264540.560
Mg	24	1	He	2055.196627	0.7	2301992.883
Al	27	1	He	2021.388028	0.7	1224556.420
Si	28	2	H2	1018.878077	5.0	4782609.667
K	39	1	He	2040.038980	0.9	3533565.153
Ca	43	1	He	2039.002315	0.8	10439.487
Ca	44	1	He	2016.908903	1.5	172933.243
Ti	47	1	He	77.146564	1.1	42362.993
V	51	1	He	82.512657	0.9	1070003.227
Cr	52	1	He	82.765299	0.6	1285732.917
Mn	55	1	He	83.580618	0.9	981459.873
Fe	56	1	He	1031.821400	1.1	14666117.667
Co	59	1	He	82.196637	0.9	1883430.710
Ni	60	1	He	83.607405	0.9	469806.957
Cu	63	1	He	84.883577	0.5	1227127.873
Zn	66	1	He	80.527464	0.2	240123.773
As	75	1	He	77.480722	0.3	189350.287
Se	78	2	H2	78.333709	0.6	94278.417
Sr	88	1	He	76.664290	0.8	1524836.227
Mo	95	1	He	79.817940	0.2	720820.873
Pd	105	1	He	80.094657	1.3	1016726.030
Ag	107	1	He	40.215954	4.3	1018153.133
Cd	111	1	He	79.670834	0.4	383653.760
Sn	118	1	He	79.327899	0.8	1003118.213
Sb	121	1	He	75.373790	1.4	1243423.810
Ba	138	1	He	80.106761	1.4	3227608.700
Pt	195	1	He	81.028452	1.0	1214974.120
Hg	202	1	He	3.690344	5.3	27981.360
Tl	205	1	He	39.667260	0.5	2173726.480
Pb	206	1	He	82.150511	0.8	1528504.507
Pb	207	1	He	85.378075	0.4	1327335.243
Pb	208	1	He	82.276268	1.0	6038435.433
Bi	209	1	He	83.464362	1.6	4820483.367
Th	232	1	He	77.600727	1.3	6443326.987
U	238	1	He	76.301644	0.7	6480342.613

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.6278057	1111429.123
Sc	45	2	H2	101.1775188	6781091.000
Ge	72	1	He	101.9127898	690093.750
Ge	72	2	H2	102.5058574	1859306.083
In	115	1	He	98.69000403	7193902.710
Tb	159	1	He	99.75400736	16152387.677
Ir	193	1	He	99.63434098	7788637.590

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	057_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:35:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.105094	15.4	160.667
Be	9	2	H2	0.012565	36.3	15.833
B	11	2	H2	4.381508	8.8	6531.277
Na	23	1	He	23.459897	5.1	67027.023
Mg	24	1	He	-0.745988		2891.920
Al	27	1	He	0.168902	33.6	371.003
Si	28	2	H2	0.118233	146.9	13961.443
K	39	1	He	7.455903	28.3	151656.937
Ca	43	1	He	1.762957	65.0	20.430
Ca	44	1	He	1.535595	26.2	331.703
Ti	47	1	He	0.003354	63.2	5.333
V	51	1	He	-0.042395		-2461.633
Cr	52	1	He	0.007889	22.2	729.353
Mn	55	1	He	-0.064419		238.667
Fe	56	1	He	-0.132698		16568.257
Co	59	1	He	0.000448	344.8	122.000
Ni	60	1	He	-0.117635		274.667
Cu	63	1	He	0.023005	2.1	678.687
Zn	66	1	He	-0.014336		200.000
As	75	1	He	0.026715	22.1	357.167
Se	78	2	H2	0.013740	62.3	36.000
Sr	88	1	He	0.028603	8.3	831.693
Mo	95	1	He	0.004867	29.6	70.000
Pd	105	1	He	0.006762	55.7	126.670
Ag	107	1	He	0.192757	16.7	6019.450
Cd	111	1	He	0.005637	53.8	31.643
Sn	118	1	He	0.015920	26.8	393.343
Sb	121	1	He	0.003462	38.2	160.000
Ba	138	1	He	0.007758	14.7	488.343
Pt	195	1	He	0.003660	52.3	153.337
Hg	202	1	He	0.017558	25.0	220.007
Tl	205	1	He	0.039119	32.7	3025.323
Pb	206	1	He	0.002780	62.3	155.000
Pb	207	1	He	0.009540	97.2	1185.057
Pb	208	1	He	0.004834	65.3	1721.733
Bi	209	1	He	0.006297	80.2	2070.187
Th	232	1	He	0.007851	6.6	725.027
U	238	1	He	0.002343	19.7	296.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.8966323	1136241.623
Sc	45	2	H2	105.1113731	7044744.667
Ge	72	1	He	102.6943720	695386.167
Ge	72	2	H2	105.5736057	1914950.543
In	115	1	He	102.4948366	7471251.930
Tb	159	1	He	103.2425140	16717254.333
Ir	193	1	He	101.7078184	7950725.923

Sample Name	4323170_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	058SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:39:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.100903	18.4	157.833
Be	9	2	H2	0.010060	37.9	14.000
B	11	2	H2	4.270530	6.2	6474.597
Na	23	1	He	22.034506	2.9	64292.343
Mg	24	1	He	0.974855	22.6	4874.023
Al	27	1	He	2.462106	1.0	1796.423
Si	28	2	H2	0.792254	20.1	17303.483
K	39	1	He	6.468437	10.9	150432.510
Ca	43	1	He	7.020239	19.6	48.083
Ca	44	1	He	7.628396	13.4	867.580
Ti	47	1	He	0.054283	29.1	34.000
V	51	1	He	-0.075632		-2904.767
Cr	52	1	He	0.272872	1.1	4950.020
Mn	55	1	He	-0.038415		552.010
Fe	56	1	He	2.525480	1.3	55308.747
Co	59	1	He	-0.000021		110.667
Ni	60	1	He	-0.107469		330.670
Cu	63	1	He	0.033099	10.7	822.020
Zn	66	1	He	0.209220	4.9	867.357
As	75	1	He	0.019062	30.8	336.833
Se	78	2	H2	0.005593	76.7	26.000
Sr	88	1	He	0.025951	14.9	778.360
Mo	95	1	He	0.012072	15.4	135.000
Pd	105	1	He	0.002446	124.0	70.000
Ag	107	1	He	0.056154	13.8	2435.197
Cd	111	1	He	0.001971	77.0	13.297
Sn	118	1	He	0.022578	37.3	481.680
Sb	121	1	He	0.002086	114.6	136.667
Ba	138	1	He	0.012944	8.7	706.690
Pt	195	1	He	0.004700	24.3	170.003
Hg	202	1	He	0.015812	38.5	206.670
Tl	205	1	He	0.004088	21.7	1046.710
Pb	206	1	He	0.005593	17.2	210.003
Pb	207	1	He	0.006018	80.8	1131.717
Pb	208	1	He	0.005793	23.9	1800.063
Bi	209	1	He	0.006531	35.7	2093.513
Th	232	1	He	0.002559	13.8	283.340
U	238	1	He	0.001266	25.8	208.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	104.1989596	1139547.957
Sc	45	2	H2	105.5002594	7070808.500
Ge	72	1	He	102.2415400	692319.853
Ge	72	2	H2	105.6775303	1916835.583
In	115	1	He	102.6810152	7484823.220
Tb	159	1	He	103.5356100	16764713.083
Ir	193	1	He	104.2794187	8151753.627

Sample Name	4323171_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	059SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:43:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	107.262134	6.5	87270.110
Be	9	2	H2	107.701518	5.1	74675.663
B	11	2	H2	111.074508	4.4	84038.923
Na	23	1	He	2171.431761	1.4	4390555.250
Mg	24	1	He	2143.760775	0.7	2401448.247
Al	27	1	He	2073.999519	0.4	1256646.750
Si	28	2	H2	533.740285	6.2	2527204.167
K	39	1	He	2111.037610	0.2	3652455.780
Ca	43	1	He	2099.385810	0.4	10749.970
Ca	44	1	He	2065.915322	1.0	177158.920
Ti	47	1	He	99.770481	1.2	54792.593
V	51	1	He	104.490095	0.9	1355735.763
Cr	52	1	He	105.986040	0.8	1646580.333
Mn	55	1	He	106.185007	0.4	1246848.413
Fe	56	1	He	2124.550235	1.6	30182586.667
Co	59	1	He	108.776510	1.8	2472525.583
Ni	60	1	He	110.315902	0.8	614673.817
Cu	63	1	He	109.108310	0.9	1564697.627
Zn	66	1	He	105.121713	0.7	310896.457
As	75	1	He	102.495517	0.7	248400.207
Se	78	2	H2	102.027358	2.3	122316.923
Sr	88	1	He	101.703244	0.5	2015843.980
Mo	95	1	He	105.138260	1.3	941916.940
Pd	105	1	He	21.255797	0.7	268916.717
Ag	107	1	He	50.274750	2.8	1268280.870
Cd	111	1	He	102.586948	0.6	492301.853
Sn	118	1	He	100.332024	0.4	1264355.423
Sb	121	1	He	97.841317	0.8	1608576.433
Ba	138	1	He	102.626784	0.3	4116287.960
Pt	195	1	He	20.756234	0.5	309881.070
Hg	202	1	He	0.021755	57.6	243.340
Tl	205	1	He	105.404268	0.7	5748555.953
Pb	206	1	He	107.667790	0.6	1994201.113
Pb	207	1	He	108.048549	0.7	1671915.547
Pb	208	1	He	107.958683	0.5	7887118.783
Bi	209	1	He	108.732749	1.6	6250925.950
Th	232	1	He	104.617720	1.8	8726479.663
U	238	1	He	99.027279	1.6	8448975.917

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.6457390	1111625.247
Sc	45	2	H2	101.8698242	6827490.500
Ge	72	1	He	101.1062897	684632.603
Ge	72	2	H2	102.1416720	1852700.293
In	115	1	He	98.35044094	7169150.620
Tb	159	1	He	99.30190236	16079181.843
Ir	193	1	He	100.0981886	7824897.593

Sample Name	10608161001_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	060SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:46:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.900135	1.3	4906.810
Be	9	2	H2	0.019628	19.2	17.500
B	11	2	H2	8.702775	8.1	8201.953
Na	23	1	He	85864.36374	0.4	164160564.220
Mg	24	1	He	13579.69297	0.6	14423613.537
Al	27	1	He	98.821717	1.1	57081.907
Si	28	2	H2	1423.655664	3.8	5810918.833
K	39	1	He	31656.36401	0.7	50191685.920
Ca	43	1	He	539946.3669	0.8	2622208.807
Ca	44	1	He	540380.6853	0.6	43947332.770
Ti	47	1	He	0.367183	13.1	194.667
V	51	1	He	2.857199	1.7	33483.473
Cr	52	1	He	0.574602	0.9	9032.933
Mn	55	1	He	97.595505	0.9	1088075.210
Fe	56	1	He	7.058109	1.8	112321.740
Co	59	1	He	0.080719	2.1	1728.757
Ni	60	1	He	0.415933	5.8	2879.577
Cu	63	1	He	1.627449	0.6	21042.307
Zn	66	1	He	1.290128	5.4	3601.040
As	75	1	He	2.170793	1.7	4925.847
Se	78	2	H2	3.123644	3.2	3275.973
Sr	88	1	He	2688.858259	1.1	48493430.943
Mo	95	1	He	865.885372	1.0	6895168.440
Pd	105	1	He	0.439336	3.2	5090.857
Ag	107	1	He	0.209071	14.7	5625.987
Cd	111	1	He	0.124566	43.0	548.347
Sn	118	1	He	0.041199	4.6	633.353
Sb	121	1	He	0.214588	6.5	3297.017
Ba	138	1	He	28.767259	0.5	1092519.567
Pt	195	1	He	0.019963	15.0	370.013
Hg	202	1	He	0.179032	19.6	1350.083
Tl	205	1	He	0.025071	12.4	2033.487
Pb	206	1	He	0.017172	24.5	393.343
Pb	207	1	He	0.019945	50.3	1231.727
Pb	208	1	He	0.018734	13.3	2530.103
Bi	209	1	He	0.008490	20.0	2006.830
Th	232	1	He	0.029833	13.8	2261.857
U	238	1	He	3.925925	1.3	297526.297

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.50055853	1055356.163
Sc	45	2	H2	88.06979230	5902588.667
Ge	72	1	He	89.87085746	608552.833
Ge	72	2	H2	88.90462359	1612599.627
In	115	1	He	89.50217362	6524165.600
Tb	159	1	He	94.01746623	15223514.353
Ir	193	1	He	88.88248774	6948141.357

Sample Name	10608161001_B70212Dx50
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	061SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:50:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.246575	17.1	273.500
Be	9	2	H2	0.012922	35.6	15.667
B	11	2	H2	4.138338	2.8	6211.153
Na	23	1	He	1784.341176	0.8	3639594.740
Mg	24	1	He	282.414700	0.7	322056.747
Al	27	1	He	2.954328	4.6	2066.453
Si	28	2	H2	32.450697	5.8	167444.927
K	39	1	He	653.115426	1.0	1233497.900
Ca	43	1	He	10846.06101	1.3	55926.700
Ca	44	1	He	11127.09562	0.8	960843.080
Ti	47	1	He	0.016745	90.3	12.667
V	51	1	He	0.022908	294.3	-1569.813
Cr	52	1	He	0.048006	8.3	1346.720
Mn	55	1	He	1.962860	0.7	24208.850
Fe	56	1	He	0.283139	11.1	22287.040
Co	59	1	He	-0.000621		94.667
Ni	60	1	He	-0.095714		388.010
Cu	63	1	He	0.053783	8.5	1097.373
Zn	66	1	He	-0.000412		235.333
As	75	1	He	0.042302	16.0	385.167
Se	78	2	H2	0.052515	13.3	81.333
Sr	88	1	He	51.724401	0.7	1041917.743
Mo	95	1	He	16.529361	0.9	146541.723
Pd	105	1	He	0.014005	7.0	216.677
Ag	107	1	He	0.032095	3.7	1753.440
Cd	111	1	He	0.001235	121.6	9.370
Sn	118	1	He	0.112221	1.2	1616.760
Sb	121	1	He	0.005197	24.0	185.000
Ba	138	1	He	0.571503	0.7	23733.473
Pt	195	1	He	0.002905	58.6	140.000
Hg	202	1	He	0.011417	20.2	170.003
Tl	205	1	He	-0.006393		445.010
Pb	206	1	He	0.002170	98.7	141.667
Pb	207	1	He	0.004829	119.3	1098.383
Pb	208	1	He	0.002600	35.2	1536.727
Bi	209	1	He	0.005966	46.5	2030.167
Th	232	1	He	0.001849	14.4	213.333
U	238	1	He	0.076782	3.0	6663.140

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.4446634	1120362.500
Sc	45	2	H2	102.8428695	6892705.667
Ge	72	1	He	100.0388766	677404.707
Ge	72	2	H2	101.9813801	1849792.833
In	115	1	He	99.93986888	7285010.277
Tb	159	1	He	102.1139859	16534520.587
Ir	193	1	He	100.3910090	7847788.010

Sample Name	10608163001_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	062SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:53:51
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	8.124837	1.5	5426.947
Be	9	2	H2	0.007502	72.0	9.667
B	11	2	H2	8.745620	12.5	7735.107
Na	23	1	He	105359.2272	1.5	194131637.107
Mg	24	1	He	17102.98662	0.9	17507259.323
Al	27	1	He	100.676578	0.7	56044.067
Si	28	2	H2	1608.141586	2.9	6174164.333
K	39	1	He	39055.30252	0.4	59653817.443
Ca	43	1	He	682484.8494	1.0	3194432.543
Ca	44	1	He	689160.4502	0.8	54018662.487
Ti	47	1	He	0.408986	9.2	208.667
V	51	1	He	3.561926	1.0	40651.383
Cr	52	1	He	1.201491	1.6	17615.223
Mn	55	1	He	134.122155	1.2	1440809.080
Fe	56	1	He	12.750337	0.7	182212.293
Co	59	1	He	0.098340	2.4	1984.117
Ni	60	1	He	0.526649	7.1	3261.643
Cu	63	1	He	2.076600	3.0	25474.677
Zn	66	1	He	1.470597	2.2	3879.100
As	75	1	He	2.823231	1.2	6024.687
Se	78	2	H2	3.926118	0.6	3833.087
Sr	88	1	He	3398.983339	0.3	58775939.127
Mo	95	1	He	1093.752156	0.5	8289895.087
Pd	105	1	He	0.530773	3.2	5891.130
Ag	107	1	He	0.025615	11.0	1363.400
Cd	111	1	He	0.168857	7.2	710.033
Sn	118	1	He	0.049724	19.9	701.687
Sb	121	1	He	0.244795	6.6	3597.080
Ba	138	1	He	36.126490	0.7	1323190.500
Pt	195	1	He	0.009697	23.4	216.677
Hg	202	1	He	0.200507	7.7	1450.097
Tl	205	1	He	0.012716	5.8	1346.737
Pb	206	1	He	0.008645	41.9	235.003
Pb	207	1	He	0.007551	64.3	1013.377
Pb	208	1	He	0.007917	27.2	1718.390
Bi	209	1	He	0.002738	34.6	1633.450
Th	232	1	He	0.008975	2.3	683.353
U	238	1	He	5.080277	1.5	367059.437

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.00976810	1017179.937
Sc	45	2	H2	82.87768666	5554604.833
Ge	72	1	He	85.53570616	579197.727
Ge	72	2	H2	82.84240798	1502639.917
In	115	1	He	85.81307149	6255252.430
Tb	159	1	He	90.67394428	14682123.947
Ir	193	1	He	84.74501787	6624706.153

Sample Name	4323885_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	063SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:57:27
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	87.233260	5.6	53047.613
Be	9	2	H2	76.540140	6.1	39660.127
B	11	2	H2	79.956961	3.8	45936.690
Na	23	1	He	106093.9276	0.9	189337923.847
Mg	24	1	He	18654.92197	1.1	18494073.473
Al	27	1	He	2012.549600	0.6	1080652.207
Si	28	2	H2	2614.950882	4.9	9223151.333
K	39	1	He	40579.97033	0.8	60024757.440
Ca	43	1	He	676715.8472	0.9	3067710.427
Ca	44	1	He	679242.5732	1.4	51564798.640
Ti	47	1	He	78.281921	0.5	38101.013
V	51	1	He	85.537926	0.9	983206.013
Cr	52	1	He	79.931310	1.2	1100591.913
Mn	55	1	He	210.106205	1.2	2185594.083
Fe	56	1	He	947.558167	0.5	11939165.333
Co	59	1	He	82.202302	0.3	1553018.293
Ni	60	1	He	81.263794	0.8	376518.230
Cu	63	1	He	81.069521	0.7	966284.147
Zn	66	1	He	77.021589	0.9	189360.560
As	75	1	He	89.896356	0.7	181091.417
Se	78	2	H2	106.732359	4.6	95108.520
Sr	88	1	He	3486.845857	0.5	58201077.467
Mo	95	1	He	1150.685816	0.9	8567109.663
Pd	105	1	He	74.068615	1.6	789085.457
Ag	107	1	He	36.653684	4.3	778741.367
Cd	111	1	He	75.768556	1.4	306214.467
Sn	118	1	He	78.938690	1.2	837768.060
Sb	121	1	He	78.255873	1.2	1083497.770
Ba	138	1	He	115.005293	1.2	4094310.147
Pt	195	1	He	74.631063	0.9	988776.703
Hg	202	1	He	0.228947	4.0	1600.120
Tl	205	1	He	38.729902	1.1	1875316.067
Pb	206	1	He	76.393776	0.3	1255964.773
Pb	207	1	He	76.501543	0.5	1050985.297
Pb	208	1	He	75.691533	0.9	4908653.833
Bi	209	1	He	71.355970	1.5	3641684.633
Th	232	1	He	78.813883	1.4	5372277.833
U	238	1	He	86.642963	1.8	6041019.287

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.07867673	985124.730
Sc	45	2	H2	76.32626787	5115517.500
Ge	72	1	He	84.02843567	568991.373
Ge	72	2	H2	76.01978311	1378887.497
In	115	1	He	82.83480966	6038155.207
Tb	159	1	He	88.14305801	14272317.290
Ir	193	1	He	81.79839889	6394362.407

Sample Name	4323886_B70212Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	064SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:01:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.018005	5.6	1496.227
Be	9	2	H2	0.014866	28.0	14.833
B	11	2	H2	4.528341	13.0	5634.300
Na	23	1	He	23199.96925	1.2	42689692.697
Mg	24	1	He	3814.210957	1.1	3900419.423
Al	27	1	He	23.245680	1.2	13101.953
Si	28	2	H2	387.886105	7.0	1610440.457
K	39	1	He	8460.057828	0.9	12997300.227
Ca	43	1	He	149514.3915	0.7	698655.013
Ca	44	1	He	150175.6444	0.9	11751559.713
Ti	47	1	He	0.128073	9.1	67.333
V	51	1	He	0.728766	17.1	6958.890
Cr	52	1	He	0.295989	5.3	4738.640
Mn	55	1	He	30.135305	0.8	323891.103
Fe	56	1	He	3.011572	2.0	55589.007
Co	59	1	He	0.023075	0.9	560.010
Ni	60	1	He	0.034952	24.4	988.030
Cu	63	1	He	0.497087	3.2	6589.897
Zn	66	1	He	0.372659	8.1	1183.377
As	75	1	He	0.583084	6.0	1499.230
Se	78	2	H2	0.779053	4.5	823.687
Sr	88	1	He	714.825727	0.6	13124068.970
Mo	95	1	He	237.428995	0.5	1877731.587
Pd	105	1	He	0.112954	26.3	1356.753
Ag	107	1	He	0.199672	17.4	5510.950
Cd	111	1	He	0.044345	57.9	200.037
Sn	118	1	He	0.101341	9.4	1346.737
Sb	121	1	He	0.054862	11.6	925.033
Ba	138	1	He	7.964283	1.1	309928.243
Pt	195	1	He	0.008524	4.3	213.343
Hg	202	1	He	0.045618	23.5	410.013
Tl	205	1	He	0.058458	29.4	3850.510
Pb	206	1	He	0.005580	47.2	195.000
Pb	207	1	He	0.010796	41.9	1125.053
Pb	208	1	He	0.007389	12.3	1788.397
Bi	209	1	He	0.006723	51.6	1956.823
Th	232	1	He	0.010119	13.1	833.363
U	238	1	He	1.122787	1.6	88565.737

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.85235429	1015458.417
Sc	45	2	H2	89.00244025	5965096.333
Ge	72	1	He	89.25068620	604353.397
Ge	72	2	H2	88.29669577	1601572.707
In	115	1	He	91.10902661	6641295.437
Tb	159	1	He	96.30181440	15593401.020
Ir	193	1	He	92.45387045	7227324.270

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	065_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:04:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	81.703583	4.0	59698.193
Be	9	2	H2	82.210764	3.6	51176.843
B	11	2	H2	84.926290	5.6	58335.000
Na	23	1	He	2082.307714	0.7	3817837.963
Mg	24	1	He	2043.601609	1.0	2075544.397
Al	27	1	He	2024.561320	0.4	1112115.710
Si	28	2	H2	1029.432297	3.6	4365926.083
K	39	1	He	2027.543933	1.1	3185122.140
Ca	43	1	He	2039.081799	2.1	9465.770
Ca	44	1	He	2051.858658	0.8	159524.023
Ti	47	1	He	77.463647	0.7	38570.003
V	51	1	He	82.119638	1.3	965569.633
Cr	52	1	He	82.771782	0.4	1165921.377
Mn	55	1	He	84.374405	0.7	898415.043
Fe	56	1	He	1042.129912	0.7	13430858.667
Co	59	1	He	82.932535	1.0	1717862.837
Ni	60	1	He	84.103767	0.3	427250.300
Cu	63	1	He	85.703446	0.1	1120088.333
Zn	66	1	He	81.835098	0.5	220606.583
As	75	1	He	78.460362	0.5	173338.990
Se	78	2	H2	80.131645	1.2	85919.740
Sr	88	1	He	76.610261	0.4	1425012.220
Mo	95	1	He	82.102958	0.7	670290.120
Pd	105	1	He	79.999067	1.5	949620.323
Ag	107	1	He	40.638000	4.0	962109.310
Cd	111	1	He	80.823478	1.7	363946.383
Sn	118	1	He	79.838502	0.8	944172.410
Sb	121	1	He	76.045809	0.9	1173222.770
Ba	138	1	He	79.770888	1.3	3085587.450
Pt	195	1	He	81.411066	1.5	1171821.260
Hg	202	1	He	3.674820	2.3	26749.390
Tl	205	1	He	40.519513	2.0	2131476.637
Pb	206	1	He	82.643607	1.1	1476151.750
Pb	207	1	He	85.656942	1.2	1278363.760
Pb	208	1	He	82.938803	0.8	5843582.443
Bi	209	1	He	85.314476	0.4	4730363.157
Th	232	1	He	79.948409	1.8	6361493.030
U	238	1	He	77.971780	1.8	6346029.077

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.15169279	1007795.793
Sc	45	2	H2	91.45743058	6129634.000
Ge	72	1	He	92.13286635	623869.833
Ge	72	2	H2	91.32301993	1656465.793
In	115	1	He	92.29363587	6727646.267
Tb	159	1	He	95.76575447	15506601.020
Ir	193	1	He	95.49986135	7465436.140

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	066_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:08:15
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.081694	18.5	127.167
Be	9	2	H2	0.023014	35.2	21.000
B	11	2	H2	2.796997	7.5	4820.727
Na	23	1	He	21.777027	0.5	57933.310
Mg	24	1	He	-2.175735		1146.713
Al	27	1	He	0.176679	8.8	342.667
Si	28	2	H2	-0.054854		11847.960
K	39	1	He	7.502564	6.9	138284.157
Ca	43	1	He	5.464812	25.3	36.300
Ca	44	1	He	5.466736	26.4	615.873
Ti	47	1	He	-0.000963		2.667
V	51	1	He	0.008371	498.4	-1622.723
Cr	52	1	He	0.003837	106.7	606.010
Mn	55	1	He	-0.066128		198.667
Fe	56	1	He	-0.111810		15374.543
Co	59	1	He	0.000951	77.9	121.333
Ni	60	1	He	-0.099752		341.337
Cu	63	1	He	0.028958	16.1	695.350
Zn	66	1	He	0.002377	567.7	227.333
As	75	1	He	-0.000306		264.167
Se	78	2	H2	0.004476	64.9	22.000
Sr	88	1	He	0.028819	16.3	780.027
Mo	95	1	He	0.025798	18.1	236.670
Pd	105	1	He	0.006635	37.9	116.667
Ag	107	1	He	0.234763	17.5	6644.680
Cd	111	1	He	0.005012	109.3	26.597
Sn	118	1	He	0.016291	15.0	371.677
Sb	121	1	He	0.006319	70.2	195.000
Ba	138	1	He	0.009031	27.9	518.350
Pt	195	1	He	0.008576	84.3	220.007
Hg	202	1	He	0.028142	32.9	290.010
Tl	205	1	He	0.044622	30.2	3198.693
Pb	206	1	He	0.005216	42.5	193.337
Pb	207	1	He	0.012787	44.4	1185.060
Pb	208	1	He	0.007208	34.3	1821.740
Bi	209	1	He	0.005244	58.9	1923.493
Th	232	1	He	0.007569	4.6	670.020
U	238	1	He	0.003731	30.8	398.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.67252454	1035364.290
Sc	45	2	H2	94.87601904	6358753.667
Ge	72	1	He	93.30596885	631813.397
Ge	72	2	H2	94.22587730	1709119.373
In	115	1	He	95.63600037	6971284.367
Tb	159	1	He	98.83893566	16004217.260
Ir	193	1	He	97.23254739	7600884.053

Sample Name	4323172_B70212Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	067SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:11:50
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	23.073502	2.3	16278.847
Be	9	2	H2	21.276143	1.7	12761.653
B	11	2	H2	24.617665	4.3	18232.570
Na	23	1	He	23444.49491	2.9	41807291.043
Mg	24	1	He	4191.791186	3.4	4153322.750
Al	27	1	He	456.651497	3.2	245121.763
Si	28	2	H2	495.671029	4.3	2031677.917
K	39	1	He	8931.350018	2.8	13291791.050
Ca	43	1	He	149431.2838	3.3	676657.290
Ca	44	1	He	149529.2621	2.5	11340125.817
Ti	47	1	He	21.195728	4.3	10305.603
V	51	1	He	23.380520	4.2	267249.687
Cr	52	1	He	22.389973	3.1	308343.657
Mn	55	1	He	52.092707	3.9	541856.497
Fe	56	1	He	443.376810	2.7	5589043.167
Co	59	1	He	22.829077	2.9	449576.217
Ni	60	1	He	22.351434	2.5	108538.717
Cu	63	1	He	22.792759	2.2	283405.543
Zn	66	1	He	22.099156	3.2	56769.383
As	75	1	He	22.867890	3.0	48200.080
Se	78	2	H2	23.360119	0.5	24234.803
Sr	88	1	He	737.316560	2.8	13055511.057
Mo	95	1	He	256.536699	2.4	1990762.000
Pd	105	1	He	4.188527	3.0	47382.020
Ag	107	1	He	9.430156	5.6	213200.120
Cd	111	1	He	21.353720	4.1	91540.533
Sn	118	1	He	21.746852	3.1	244946.423
Sb	121	1	He	21.249044	3.9	312112.523
Ba	138	1	He	29.566512	3.5	1106828.450
Pt	195	1	He	4.253062	3.1	59325.947
Hg	202	1	He	0.062010	19.8	510.020
Tl	205	1	He	21.918107	3.1	1116289.203
Pb	206	1	He	21.767127	3.5	376323.067
Pb	207	1	He	21.830933	3.8	315984.877
Pb	208	1	He	21.661674	3.2	1477909.467
Bi	209	1	He	22.154309	3.0	1189896.807
Th	232	1	He	22.441970	3.8	1694217.840
U	238	1	He	22.361637	4.0	1726545.080

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.03113035	984604.750
Sc	45	2	H2	88.09185977	5904067.667
Ge	72	1	He	87.61286988	593263.063
Ge	72	2	H2	88.31370394	1601881.210
In	115	1	He	87.90092234	6407444.093
Tb	159	1	He	92.71152781	15012053.940
Ir	193	1	He	90.64008403	7085536.560

Sample Name	4323173_B70212Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	068SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:15:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	24.326069	3.0	16614.627
Be	9	2	H2	22.377093	3.6	12996.810
B	11	2	H2	25.656778	5.3	18286.007
Na	23	1	He	23691.43772	1.0	42752712.693
Mg	24	1	He	4263.984739	0.9	4275870.353
Al	27	1	He	465.852678	1.7	253038.773
Si	28	2	H2	520.629403	5.3	2065216.207
K	39	1	He	8956.972010	1.0	13488061.050
Ca	43	1	He	151634.3807	1.2	694886.040
Ca	44	1	He	151150.1886	1.2	11599435.667
Ti	47	1	He	21.003121	0.6	10336.280
V	51	1	He	23.860092	1.3	276055.413
Cr	52	1	He	22.929468	0.8	319542.717
Mn	55	1	He	53.094880	1.8	558958.710
Fe	56	1	He	451.073639	0.9	5753809.167
Co	59	1	He	23.436388	1.1	462882.200
Ni	60	1	He	23.403449	0.6	113918.040
Cu	63	1	He	23.638698	1.2	294728.113
Zn	66	1	He	22.617150	1.4	58272.063
As	75	1	He	23.570097	1.4	49815.453
Se	78	2	H2	24.363875	1.4	24669.053
Sr	88	1	He	756.144610	1.2	13482811.467
Mo	95	1	He	261.515475	0.2	2035361.270
Pd	105	1	He	4.331726	4.1	49323.990
Ag	107	1	He	9.976525	5.3	227044.760
Cd	111	1	He	21.947188	2.1	94754.413
Sn	118	1	He	22.198796	1.6	251792.837
Sb	121	1	He	21.759675	2.3	321893.587
Ba	138	1	He	30.470332	2.6	1139509.513
Pt	195	1	He	4.422595	1.2	61634.463
Hg	202	1	He	0.071993	17.9	580.027
Tl	205	1	He	22.520246	3.4	1145569.750
Pb	206	1	He	22.397932	2.6	386838.927
Pb	207	1	He	22.394251	1.9	323820.087
Pb	208	1	He	22.347131	2.1	1523132.440
Bi	209	1	He	22.872403	2.4	1227152.457
Th	232	1	He	23.256778	1.2	1739615.340
U	238	1	He	23.107527	1.8	1767847.683

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.06382157	995898.540
Sc	45	2	H2	85.28946463	5716246.333
Ge	72	1	He	87.83253397	594750.500
Ge	72	2	H2	86.20558146	1563642.957
In	115	1	He	88.49086392	6450447.257
Tb	159	1	He	92.60142608	14994226.027
Ir	193	1	He	89.75957891	7016705.520

Sample Name	10608163001_B70212Dx50
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	069SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:18:59
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.220128	5.7	232.167
Be	9	2	H2	0.013347	17.6	14.833
B	11	2	H2	2.864862	19.3	4880.733
Na	23	1	He	2125.949983	1.0	4024412.230
Mg	24	1	He	346.757944	1.0	366495.853
Al	27	1	He	2.983777	2.2	1936.107
Si	28	2	H2	36.688601	4.4	173482.287
K	39	1	He	779.081512	0.6	1342089.457
Ca	43	1	He	13493.51302	0.7	64622.023
Ca	44	1	He	13831.59678	1.0	1109274.503
Ti	47	1	He	0.026311	74.9	16.667
V	51	1	He	0.134059	8.3	-103.860
Cr	52	1	He	0.045819	15.8	1219.380
Mn	55	1	He	2.710492	1.0	30695.240
Fe	56	1	He	0.304939	4.1	20990.827
Co	59	1	He	0.001817	119.8	139.337
Ni	60	1	He	-0.090236		389.343
Cu	63	1	He	0.061414	3.9	1122.043
Zn	66	1	He	0.033181	35.8	310.670
As	75	1	He	0.045759	17.8	366.167
Se	78	2	H2	0.065961	19.6	90.000
Sr	88	1	He	63.431389	1.7	1225316.493
Mo	95	1	He	21.014838	0.3	173350.397
Pd	105	1	He	0.014459	12.4	213.340
Ag	107	1	He	0.125987	16.2	3987.173
Cd	111	1	He	0.003875	28.5	21.330
Sn	118	1	He	0.103222	2.2	1440.077
Sb	121	1	He	0.007221	33.8	210.000
Ba	138	1	He	0.753133	0.7	29841.453
Pt	195	1	He	0.002653	53.1	130.000
Hg	202	1	He	0.011978	5.5	166.670
Tl	205	1	He	0.001469	103.0	846.700
Pb	206	1	He	0.003789	25.0	165.000
Pb	207	1	He	0.007186	44.1	1085.047
Pb	208	1	He	0.005131	8.5	1650.057
Bi	209	1	He	-0.000052		1600.120
Th	232	1	He	0.007078	2.1	628.353
U	238	1	He	0.098386	2.5	8218.900

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.14883929	1040573.397
Sc	45	2	H2	95.06229199	6371238.000
Ge	72	1	He	93.07954546	630280.190
Ge	72	2	H2	94.22529382	1709108.790
In	115	1	He	95.84764336	6986711.857
Tb	159	1	He	97.58668301	15801449.763
Ir	193	1	He	96.93944185	7577971.343

Sample Name	4323885_B70212Dx50
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	070SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:22:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	95.868551	4.7	70267.520
Be	9	2	H2	95.144125	3.6	59418.927
B	11	2	H2	97.759286	3.5	66967.023
Na	23	1	He	4659.208065	1.3	8486770.080
Mg	24	1	He	2708.310408	0.7	2738335.063
Al	27	1	He	2300.463292	1.5	1258401.710
Si	28	2	H2	1211.371444	3.9	5151756.333
K	39	1	He	3164.008069	1.7	4881071.387
Ca	43	1	He	17548.00136	2.0	81049.527
Ca	44	1	He	17465.92980	2.0	1350930.673
Ti	47	1	He	91.648574	2.0	45444.393
V	51	1	He	96.429764	2.3	1129397.860
Cr	52	1	He	96.748622	1.7	1357044.167
Mn	55	1	He	100.139651	1.2	1061684.670
Fe	56	1	He	1182.094353	1.3	15169681.000
Co	59	1	He	98.487634	0.8	2022635.667
Ni	60	1	He	97.999431	0.7	493421.613
Cu	63	1	He	99.756192	0.9	1292503.373
Zn	66	1	He	95.653061	0.5	255617.933
As	75	1	He	94.070959	0.5	206000.500
Se	78	2	H2	94.959126	0.8	101752.210
Sr	88	1	He	161.170790	0.6	2976818.500
Mo	95	1	He	121.339514	1.4	982105.767
Pd	105	1	He	94.742861	1.4	1116900.843
Ag	107	1	He	43.794581	2.7	1029760.893
Cd	111	1	He	94.172858	0.4	421153.447
Sn	118	1	He	93.555712	1.2	1098672.613
Sb	121	1	He	90.321173	1.1	1383819.147
Ba	138	1	He	93.913411	1.2	3628029.010
Pt	195	1	He	95.525453	1.6	1373261.853
Hg	202	1	He	0.015190	22.4	186.673
Tl	205	1	He	48.151344	1.6	2529849.860
Pb	206	1	He	97.163077	1.7	1733342.683
Pb	207	1	He	98.292752	2.1	1464977.370
Pb	208	1	He	96.935563	1.6	6821022.187
Bi	209	1	He	95.642569	1.5	5296107.840
Th	232	1	He	90.922658	2.3	7170888.017
U	238	1	He	93.887350	1.5	7574530.930

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.77625582	1003689.913
Sc	45	2	H2	91.74513335	6148916.333
Ge	72	1	He	91.34560495	618538.960
Ge	72	2	H2	91.26930353	1655491.457
In	115	1	He	91.65104528	6680805.310
Tb	159	1	He	95.64958242	15487790.187
Ir	193	1	He	94.65263744	7399206.767

Sample Name	4323886_B70212Dx250
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	071SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:26:08
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.100826	8.7	141.833
Be	9	2	H2	0.025060	30.8	22.333
B	11	2	H2	2.852268	19.2	4867.390
Na	23	1	He	450.570267	0.4	858931.577
Mg	24	1	He	72.856972	2.6	79020.683
Al	27	1	He	1.638289	3.0	1163.040
Si	28	2	H2	7.633667	7.3	45637.120
K	39	1	He	169.861205	0.9	388744.863
Ca	43	1	He	2800.800749	0.5	13305.167
Ca	44	1	He	2881.550541	0.5	229238.633
Ti	47	1	He	0.030478	48.8	18.667
V	51	1	He	0.036388	156.6	-1280.117
Cr	52	1	He	0.040229	5.9	1128.040
Mn	55	1	He	0.529020	0.9	6677.920
Fe	56	1	He	0.249459	6.7	20077.807
Co	59	1	He	0.001248	83.5	126.667
Ni	60	1	He	-0.067898		501.343
Cu	63	1	He	0.032103	7.7	732.020
Zn	66	1	He	-0.007843		198.000
As	75	1	He	-0.000308		262.333
Se	78	2	H2	0.023229	45.8	42.667
Sr	88	1	He	13.195668	0.4	254389.423
Mo	95	1	He	4.356522	3.4	35798.363
Pd	105	1	He	0.008001	51.6	133.333
Ag	107	1	He	0.191540	11.3	5582.620
Cd	111	1	He	0.003803	139.4	20.923
Sn	118	1	He	0.114981	2.5	1580.093
Sb	121	1	He	0.006852	37.3	203.333
Ba	138	1	He	0.148312	8.3	6029.480
Pt	195	1	He	0.010069	34.4	240.007
Hg	202	1	He	0.004700	108.3	113.333
Tl	205	1	He	0.047576	25.4	3333.720
Pb	206	1	He	0.010413	4.0	286.677
Pb	207	1	He	0.010145	23.2	1135.053
Pb	208	1	He	0.008080	15.6	1870.077
Bi	209	1	He	0.007295	27.4	2023.510
Th	232	1	He	0.008245	1.8	716.690
U	238	1	He	0.024333	3.4	2081.827

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.32334821	1031545.603
Sc	45	2	H2	94.96063091	6364424.500
Ge	72	1	He	92.68751708	627625.603
Ge	72	2	H2	94.14309553	1707617.833
In	115	1	He	95.58332452	6967444.617
Tb	159	1	He	98.00006569	15868385.593
Ir	193	1	He	96.12660518	7514430.097

Sample Name	10608162001_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	072SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:29:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.310496	2.0	1047.530
Be	9	2	H2	0.015762	42.3	16.167
B	11	2	H2	8.854129	4.7	8842.267
Na	23	1	He	15395.59381	4.3	27700463.757
Mg	24	1	He	518.213324	4.3	520897.453
Al	27	1	He	7.923198	6.5	4517.557
Si	28	2	H2	541.725788	4.3	2367177.667
K	39	1	He	5406.449465	4.0	8164661.753
Ca	43	1	He	20516.12137	3.5	93750.247
Ca	44	1	He	20753.70153	4.3	1587780.393
Ti	47	1	He	0.075203	39.2	40.000
V	51	1	He	0.186346	19.9	503.090
Cr	52	1	He	0.633706	3.5	9319.083
Mn	55	1	He	4.178270	3.9	44668.190
Fe	56	1	He	8.970980	4.4	129924.157
Co	59	1	He	0.005376	30.8	206.000
Ni	60	1	He	0.072842	13.8	1175.373
Cu	63	1	He	0.149831	11.4	2194.140
Zn	66	1	He	1.082241	3.5	3038.267
As	75	1	He	0.084353	12.8	434.010
Se	78	2	H2	0.135292	8.3	166.333
Sr	88	1	He	95.042291	4.8	1767757.313
Mo	95	1	He	38.879373	4.9	307734.547
Pd	105	1	He	0.017927	28.7	246.677
Ag	107	1	He	0.072845	7.7	2590.223
Cd	111	1	He	0.015483	35.0	72.680
Sn	118	1	He	0.033265	2.2	560.020
Sb	121	1	He	0.021795	9.0	426.677
Ba	138	1	He	1.061567	3.5	40999.827
Pt	195	1	He	0.009346	9.1	223.343
Hg	202	1	He	0.021339	12.4	230.010
Tl	205	1	He	0.013106	33.2	1431.750
Pb	206	1	He	0.010882	12.5	286.677
Pb	207	1	He	0.010419	12.4	1108.383
Pb	208	1	He	0.010285	19.5	1971.743
Bi	209	1	He	0.005326	5.3	1860.143
Th	232	1	He	0.005369	22.4	473.347
U	238	1	He	0.126487	4.8	10190.063

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.87672853	993852.440
Sc	45	2	H2	93.99992241	6300036.167
Ge	72	1	He	89.44987501	605702.187
Ge	72	2	H2	94.05195660	1705964.707
In	115	1	He	92.41545794	6736526.357
Tb	159	1	He	95.35721978	15440450.187
Ir	193	1	He	93.82158241	7334241.350

Sample Name	10608162001_B70212Dx50
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	073SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:33:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.081877	30.2	127.167
Be	9	2	H2	0.010786	52.6	13.000
B	11	2	H2	3.267178	25.0	5114.140
Na	23	1	He	313.724542	0.9	600951.750
Mg	24	1	He	10.748886	6.1	14500.770
Al	27	1	He	1.289622	2.4	963.363
Si	28	2	H2	11.023198	5.9	60269.333
K	39	1	He	114.487500	2.1	302009.003
Ca	43	1	He	409.041584	1.8	1944.457
Ca	44	1	He	414.179350	1.1	32978.980
Ti	47	1	He	0.013537	50.4	10.000
V	51	1	He	-0.008121		-1809.640
Cr	52	1	He	0.016226	37.6	779.353
Mn	55	1	He	0.019976	10.2	1131.373
Fe	56	1	He	0.211629	14.4	19504.520
Co	59	1	He	-0.002641		45.333
Ni	60	1	He	-0.103179		319.337
Cu	63	1	He	0.027164	29.8	662.680
Zn	66	1	He	0.167831	15.5	669.350
As	75	1	He	-0.009733		239.833
Se	78	2	H2	0.005555	16.1	23.000
Sr	88	1	He	1.845578	1.5	35537.643
Mo	95	1	He	0.736348	5.2	6027.767
Pd	105	1	He	0.003965	51.3	83.333
Ag	107	1	He	0.010300	49.3	1135.050
Cd	111	1	He	0.001082	97.2	8.190
Sn	118	1	He	0.098874	5.1	1373.400
Sb	121	1	He	0.001784	103.1	121.667
Ba	138	1	He	0.021725	28.9	1013.373
Pt	195	1	He	0.003555	97.5	143.337
Hg	202	1	He	0.008364	98.6	140.003
Tl	205	1	He	-0.004472		528.347
Pb	206	1	He	0.003314	106.7	156.667
Pb	207	1	He	0.001084	123.0	993.377
Pb	208	1	He	0.002486	17.7	1461.720
Bi	209	1	He	0.003986	32.8	1830.143
Th	232	1	He	0.001690	28.7	191.667
U	238	1	He	0.002964	34.4	331.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.96908940	1027671.333
Sc	45	2	H2	94.55887556	6337498.167
Ge	72	1	He	92.04455394	623271.833
Ge	72	2	H2	93.59471901	1697671.087
In	115	1	He	94.95442524	6921601.673
Tb	159	1	He	97.68402400	15817211.430
Ir	193	1	He	96.31483006	7529144.053

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	074_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:36:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.541200	5.1	60012.863
Be	9	2	H2	82.028254	3.7	50807.167
B	11	2	H2	83.458410	1.6	57094.070
Na	23	1	He	2055.767761	0.5	3737975.257
Mg	24	1	He	2043.366213	0.7	2058018.980
Al	27	1	He	2017.006412	0.6	1098712.210
Si	28	2	H2	1025.393956	4.5	4326676.250
K	39	1	He	2026.014831	0.7	3156296.310
Ca	43	1	He	2024.743827	1.0	9321.160
Ca	44	1	He	1996.712920	1.2	153941.290
Ti	47	1	He	77.672734	1.3	38351.500
V	51	1	He	81.922477	0.7	955227.493
Cr	52	1	He	83.329203	1.1	1163954.337
Mn	55	1	He	83.949033	1.1	886388.627
Fe	56	1	He	1041.279076	0.7	13307942.333
Co	59	1	He	83.545565	1.3	1707489.960
Ni	60	1	He	84.563887	0.3	423852.847
Cu	63	1	He	86.169089	0.3	1111196.333
Zn	66	1	He	81.792866	0.5	217548.493
As	75	1	He	79.101140	0.5	172424.413
Se	78	2	H2	80.149159	1.3	85102.007
Sr	88	1	He	76.726761	0.5	1417334.510
Mo	95	1	He	82.861463	1.0	667451.267
Pd	105	1	He	80.175909	1.0	945196.160
Ag	107	1	He	40.410662	3.6	950208.527
Cd	111	1	He	79.171090	0.3	354074.177
Sn	118	1	He	79.419891	1.8	932683.393
Sb	121	1	He	75.734555	1.7	1160330.867
Ba	138	1	He	80.022497	0.5	3059782.350
Pt	195	1	He	80.920434	1.5	1151435.480
Hg	202	1	He	3.618094	3.6	26038.217
Tl	205	1	He	40.489190	0.5	2105548.563
Pb	206	1	He	83.210459	1.5	1469278.623
Pb	207	1	He	86.435427	0.7	1275208.863
Pb	208	1	He	84.168187	0.9	5862191.713
Bi	209	1	He	85.813043	0.2	4703294.200
Th	232	1	He	79.853351	0.9	6288478.240
U	238	1	He	77.514678	0.5	6243888.867

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.38342353	999393.793
Sc	45	2	H2	91.00215527	6099120.667
Ge	72	1	He	90.90682366	615567.790
Ge	72	2	H2	90.44525223	1640544.373
In	115	1	He	91.65441478	6681050.927
Tb	159	1	He	94.66344263	15328112.270
Ir	193	1	He	94.49544439	7386918.637

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	075_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:40:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.062608	26.9	112.000
Be	9	2	H2	0.019707	33.9	18.667
B	11	2	H2	2.498292	28.4	4590.650
Na	23	1	He	11.679002	3.4	38357.877
Mg	24	1	He	-2.423970		873.360
Al	27	1	He	0.236648	16.9	370.337
Si	28	2	H2	-0.194803		11153.487
K	39	1	He	6.676231	20.9	134765.120
Ca	43	1	He	0.481724	175.1	12.343
Ca	44	1	He	0.341445	124.2	203.480
Ti	47	1	He	0.004452	104.1	5.333
V	51	1	He	-0.019436		-1929.720
Cr	52	1	He	0.000291	1401.5	545.343
Mn	55	1	He	-0.062373		236.000
Fe	56	1	He	-0.139467		14762.707
Co	59	1	He	0.001891	60.5	139.333
Ni	60	1	He	-0.116550		252.000
Cu	63	1	He	0.024912	7.9	634.010
Zn	66	1	He	0.000720	2137.6	220.000
As	75	1	He	-0.000205		261.167
Se	78	2	H2	0.011591	26.2	29.667
Sr	88	1	He	0.004191	61.3	303.340
Mo	95	1	He	0.012071	12.5	121.667
Pd	105	1	He	0.010768	71.5	166.670
Ag	107	1	He	0.197970	14.4	5702.667
Cd	111	1	He	0.007222	52.0	36.630
Sn	118	1	He	0.015976	11.4	365.010
Sb	121	1	He	0.007045	58.7	205.000
Ba	138	1	He	0.009647	13.6	535.013
Pt	195	1	He	0.006765	43.8	190.007
Hg	202	1	He	0.028303	47.5	286.680
Tl	205	1	He	0.045542	18.4	3202.027
Pb	206	1	He	0.007658	56.9	235.007
Pb	207	1	He	0.014818	34.8	1198.393
Pb	208	1	He	0.009137	10.6	1933.410
Bi	209	1	He	0.005042	35.9	1883.480
Th	232	1	He	0.009005	7.6	783.360
U	238	1	He	0.004899	12.9	493.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.12810735	1018474.127
Sc	45	2	H2	94.22453866	6315090.333
Ge	72	1	He	92.16668499	624098.833
Ge	72	2	H2	93.76817550	1700817.333
In	115	1	He	94.89718010	6917428.850
Tb	159	1	He	97.36571013	15765669.350
Ir	193	1	He	96.83854019	7570083.637

Sample Name	CRDL
Sample Type	CRDL
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	076CRD.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:44:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.549126	9.5	474.510
Be	9	2	H2	0.213603	6.6	142.000
B	11	2	H2	12.998262	5.0	11590.473
Na	23	1	He	62.711752	0.8	131972.330
Mg	24	1	He	30.208708	3.4	34179.933
Al	27	1	He	31.237893	0.6	17504.900
Si	28	2	H2	103.584691	7.2	460560.270
K	39	1	He	112.279630	2.1	294729.517
Ca	43	1	He	97.628094	0.8	465.747
Ca	44	1	He	107.240868	3.6	8556.843
Ti	47	1	He	0.967814	6.4	488.010
V	51	1	He	0.856795	1.0	8467.677
Cr	52	1	He	2.081487	1.0	30035.470
Mn	55	1	He	0.477194	2.2	6011.683
Fe	56	1	He	53.231257	1.2	706136.543
Co	59	1	He	0.537106	0.8	11231.537
Ni	60	1	He	0.429009	1.5	3019.600
Cu	63	1	He	1.089966	0.9	14557.250
Zn	66	1	He	5.048345	2.0	13820.687
As	75	1	He	0.500013	2.1	1365.217
Se	78	2	H2	0.503764	1.2	570.010
Sr	88	1	He	0.477045	2.4	9290.873
Mo	95	1	He	0.512494	6.6	4208.887
Pd	105	1	He	0.484168	3.4	5911.120
Ag	107	1	He	0.504686	4.8	13081.717
Cd	111	1	He	0.076538	28.8	355.413
Sn	118	1	He	0.472580	3.8	5882.723
Sb	121	1	He	0.500031	4.9	7976.943
Ba	138	1	He	0.308277	1.4	12299.590
Pt	195	1	He	0.479880	5.5	7125.063
Hg	202	1	He	0.136399	10.6	1086.730
Tl	205	1	He	0.094361	4.1	5821.113
Pb	206	1	He	0.516444	2.9	9491.223
Pb	207	1	He	0.516667	2.5	8822.517
Pb	208	1	He	0.508593	0.6	37770.690
Bi	209	1	He	0.508282	4.0	30292.370
Th	232	1	He	0.489148	1.2	39604.980
U	238	1	He	0.478028	1.7	39620.090

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.75072396	1014346.960
Sc	45	2	H2	93.63748765	6275745.167
Ge	72	1	He	92.18309613	624209.960
Ge	72	2	H2	93.51972214	1696310.753
In	115	1	He	94.34583172	6877238.897
Tb	159	1	He	97.53402399	15792923.100
Ir	193	1	He	97.02415068	7584593.220

Sample Name	4310637_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	077SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:47:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.037922	24.5	93.167
Be	9	2	H2	0.011329	19.2	13.333
B	11	2	H2	5.163907	16.4	6384.563
Na	23	1	He	13.729709	9.9	40849.807
Mg	24	1	He	0.381478	84.4	3630.393
Al	27	1	He	5.539906	8.3	3209.947
Si	28	2	H2	4.003469	8.5	29420.073
K	39	1	He	9.080172	80.6	134091.703
Ca	43	1	He	11.794392	6.7	63.407
Ca	44	1	He	10.987602	6.9	1007.293
Ti	47	1	He	0.042734	29.1	24.000
V	51	1	He	-0.030353		-1995.950
Cr	52	1	He	0.105294	6.3	1978.117
Mn	55	1	He	-0.032217		543.343
Fe	56	1	He	1.307680	12.6	32553.880
Co	59	1	He	-0.000022		94.667
Ni	60	1	He	-0.110513		272.000
Cu	63	1	He	0.064270	16.5	1098.703
Zn	66	1	He	0.693480	9.1	1998.783
As	75	1	He	-0.002674		245.167
Se	78	2	H2	0.003524	125.4	20.667
Sr	88	1	He	0.020280	35.2	588.350
Mo	95	1	He	0.005044	8.6	61.667
Pd	105	1	He	0.003326	52.7	73.333
Ag	107	1	He	0.031828	31.0	1596.757
Cd	111	1	He	0.003028	18.1	16.647
Sn	118	1	He	0.029230	22.1	506.680
Sb	121	1	He	0.005599	32.5	176.667
Ba	138	1	He	0.019076	4.9	873.363
Pt	195	1	He	0.008230	52.6	203.340
Hg	202	1	He	0.014801	53.4	180.007
Tl	205	1	He	0.001753	111.9	826.697
Pb	206	1	He	0.010847	36.8	280.007
Pb	207	1	He	0.007891	90.0	1051.717
Pb	208	1	He	0.008430	42.2	1808.400
Bi	209	1	He	0.004884	51.4	1806.807
Th	232	1	He	0.002199	6.7	230.000
U	238	1	He	0.001254	20.0	188.337

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.48744834	989595.167
Sc	45	2	H2	94.10807143	6307284.500
Ge	72	1	He	88.57698108	599791.460
Ge	72	2	H2	93.21078484	1690707.083
In	115	1	He	91.88656478	6697973.253
Tb	159	1	He	93.99815401	15220387.277
Ir	193	1	He	95.02626493	7428414.057

Sample Name	4310638_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	078SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:51:15
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	108.770799	5.6	78787.307
Be	9	2	H2	109.541624	4.5	67609.143
B	11	2	H2	115.230789	5.5	77504.417
Na	23	1	He	2195.310751	0.3	3947553.900
Mg	24	1	He	2171.655438	0.8	2163424.967
Al	27	1	He	2142.016060	0.1	1154222.917
Si	28	2	H2	549.666075	5.8	2316668.167
K	39	1	He	2176.273922	0.2	3344869.013
Ca	43	1	He	2153.409818	1.5	9806.393
Ca	44	1	He	2109.012210	0.5	160840.397
Ti	47	1	He	100.055741	0.7	48869.850
V	51	1	He	106.738129	1.0	1231647.013
Cr	52	1	He	109.612747	0.8	1514431.210
Mn	55	1	He	109.665153	0.3	1145183.330
Fe	56	1	He	2211.169986	0.9	27936992.667
Co	59	1	He	111.342549	0.3	2268553.000
Ni	60	1	He	112.217518	0.4	560417.127
Cu	63	1	He	111.311101	0.9	1430730.003
Zn	66	1	He	108.700868	0.2	288138.533
As	75	1	He	102.899118	0.6	223515.483
Se	78	2	H2	105.971260	0.8	112358.757
Sr	88	1	He	102.152309	0.4	1860707.523
Mo	95	1	He	106.713433	0.4	856914.310
Pd	105	1	He	20.913979	1.4	243155.617
Ag	107	1	He	52.287520	3.3	1212145.997
Cd	111	1	He	105.976926	1.5	467363.723
Sn	118	1	He	101.065083	1.1	1170365.140
Sb	121	1	He	98.801740	0.5	1492720.913
Ba	138	1	He	104.296769	0.9	4000705.987
Pt	195	1	He	21.109960	1.0	301415.753
Hg	202	1	He	0.015379	36.4	186.673
Tl	205	1	He	110.280391	0.4	5752171.997
Pb	206	1	He	110.669164	0.7	1960361.583
Pb	207	1	He	110.571989	0.7	1636293.360
Pb	208	1	He	110.259746	0.6	7703804.153
Bi	209	1	He	110.783819	0.9	6091049.280
Th	232	1	He	108.322524	1.9	8543089.870
U	238	1	He	103.358933	2.3	8337645.500

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.39659225	988601.540
Sc	45	2	H2	90.65878149	6076107.167
Ge	72	1	He	90.61919346	613620.127
Ge	72	2	H2	90.31069543	1638103.710
In	115	1	He	90.38140946	6588256.560
Tb	159	1	He	94.97205279	15378083.103
Ir	193	1	He	94.65334895	7399262.387

Sample Name	10606561001_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	079SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:54:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.064451	32.6	114.833
Be	9	2	H2	0.023822	31.5	21.667
B	11	2	H2	4.190235	6.5	5791.027
Na	23	1	He	75.677255	1.0	156952.803
Mg	24	1	He	1.976362	9.1	5400.837
Al	27	1	He	9.592252	1.5	5581.510
Si	28	2	H2	8.904937	5.4	51385.150
K	39	1	He	9.226216	6.5	139125.600
Ca	43	1	He	23.673465	6.8	121.437
Ca	44	1	He	27.559923	4.2	2347.390
Ti	47	1	He	0.110032	17.6	58.667
V	51	1	He	-0.009588		-1817.990
Cr	52	1	He	0.462787	1.0	7150.093
Mn	55	1	He	0.165165	3.6	2690.880
Fe	56	1	He	6.662931	1.0	103600.790
Co	59	1	He	0.012264	12.7	352.003
Ni	60	1	He	-0.007886		798.687
Cu	63	1	He	0.072661	7.5	1251.380
Zn	66	1	He	1.810338	1.0	5065.397
As	75	1	He	-0.003390		252.667
Se	78	2	H2	0.004251	127.4	21.667
Sr	88	1	He	0.145180	3.9	2986.953
Mo	95	1	He	0.032165	37.6	283.337
Pd	105	1	He	0.001532	111.4	53.333
Ag	107	1	He	0.219843	23.8	6206.207
Cd	111	1	He	0.005077	48.9	26.580
Sn	118	1	He	0.072951	8.3	1053.380
Sb	121	1	He	0.016691	25.5	356.677
Ba	138	1	He	0.135139	3.2	5479.267
Pt	195	1	He	0.011522	35.5	260.010
Hg	202	1	He	0.007061	102.8	130.003
Tl	205	1	He	0.021125	37.2	1898.467
Pb	206	1	He	0.039717	5.0	818.363
Pb	207	1	He	0.041687	6.2	1608.427
Pb	208	1	He	0.040601	7.4	4193.573
Bi	209	1	He	0.008982	57.2	2110.190
Th	232	1	He	0.013295	7.5	1140.057
U	238	1	He	0.004668	12.4	478.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.44058409	1021891.457
Sc	45	2	H2	95.28964368	6386475.500
Ge	72	1	He	91.63366933	620489.563
Ge	72	2	H2	93.91387599	1703460.127
In	115	1	He	94.51515856	6889581.797
Tb	159	1	He	97.51391402	15789666.850
Ir	193	1	He	97.70700195	7637973.220

Sample Name	4312121_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	080SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:58:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	83.379327	6.1	61404.173
Be	9	2	H2	83.334664	5.2	52286.730
B	11	2	H2	84.257246	6.6	58391.737
Na	23	1	He	2156.892313	0.7	3955826.507
Mg	24	1	He	2066.644579	1.2	2099887.157
Al	27	1	He	2058.809696	0.3	1131450.583
Si	28	2	H2	1050.006551	5.9	4487376.417
K	39	1	He	2073.609607	0.4	3256244.223
Ca	43	1	He	2116.256847	1.2	9828.403
Ca	44	1	He	2066.198063	1.2	160709.543
Ti	47	1	He	77.483212	0.4	38597.997
V	51	1	He	84.340651	0.0	992218.080
Cr	52	1	He	86.033214	0.3	1212405.290
Mn	55	1	He	85.182930	0.5	907407.000
Fe	56	1	He	1065.205943	0.6	13734273.333
Co	59	1	He	85.770708	0.8	1776634.333
Ni	60	1	He	86.347957	0.5	438623.623
Cu	63	1	He	87.403181	0.1	1142275.750
Zn	66	1	He	84.556982	0.3	227925.547
As	75	1	He	80.769500	0.2	178431.650
Se	78	2	H2	81.171924	1.8	87792.273
Sr	88	1	He	79.537622	0.4	1480548.000
Mo	95	1	He	81.922371	0.5	668801.763
Pd	105	1	He	81.256337	1.1	965326.707
Ag	107	1	He	42.048700	2.5	996357.120
Cd	111	1	He	82.149009	0.6	370222.167
Sn	118	1	He	78.487863	0.9	928874.593
Sb	121	1	He	76.544587	1.5	1181822.927
Ba	138	1	He	81.520747	1.3	3166161.310
Pt	195	1	He	81.010764	0.4	1170996.990
Hg	202	1	He	0.010929	17.4	156.667
Tl	205	1	He	42.326114	0.7	2235797.833
Pb	206	1	He	84.762279	0.5	1520327.840
Pb	207	1	He	85.538208	0.6	1282000.993
Pb	208	1	He	84.401310	0.2	5971436.807
Bi	209	1	He	84.627889	1.3	4711512.323
Th	232	1	He	79.595280	1.2	6331021.367
U	238	1	He	80.429317	1.8	6543176.570

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.19424051	1008261.107
Sc	45	2	H2	92.16339828	6176949.167
Ge	72	1	He	92.13158942	623861.187
Ge	72	2	H2	92.13235321	1671145.913
In	115	1	He	92.36015905	6732495.403
Tb	159	1	He	96.16282532	15570895.603
Ir	193	1	He	95.45392913	7461845.517

Sample Name	4312122_B69998Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	081SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:02:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.053125	60.8	106.333
Be	9	2	H2	0.022104	53.3	20.500
B	11	2	H2	2.692258	38.9	4780.717
Na	23	1	He	25.423004	1.1	64138.330
Mg	24	1	He	2.560761	6.3	6021.027
Al	27	1	He	3.460231	5.7	2173.797
Si	28	2	H2	2.101679	11.2	21397.077
K	39	1	He	7.071316	33.1	136260.740
Ca	43	1	He	259.102281	1.5	1232.617
Ca	44	1	He	270.337863	2.0	21534.843
Ti	47	1	He	0.034675	53.9	20.667
V	51	1	He	-0.012775		-1864.893
Cr	52	1	He	0.100214	4.5	1980.117
Mn	55	1	He	0.077679	13.8	1752.760
Fe	56	1	He	1.956457	1.1	42309.243
Co	59	1	He	0.004976	25.4	204.667
Ni	60	1	He	-0.092237		378.003
Cu	63	1	He	0.712286	1.6	9687.967
Zn	66	1	He	1.064480	3.3	3108.283
As	75	1	He	-0.001116		261.000
Se	78	2	H2	0.004959	109.8	22.667
Sr	88	1	He	0.862906	4.2	16768.130
Mo	95	1	He	0.016013	14.7	155.000
Pd	105	1	He	0.005310	25.6	100.000
Ag	107	1	He	0.202714	18.1	5827.723
Cd	111	1	He	0.006871	69.5	34.953
Sn	118	1	He	0.024783	2.6	473.343
Sb	121	1	He	0.008906	35.5	235.003
Ba	138	1	He	0.455511	1.7	18179.890
Pt	195	1	He	0.009859	14.1	236.677
Hg	202	1	He	0.010582	46.7	156.670
Tl	205	1	He	0.045429	26.6	3215.370
Pb	206	1	He	0.046554	4.0	946.703
Pb	207	1	He	0.036389	17.8	1535.090
Pb	208	1	He	0.043181	7.5	4398.597
Bi	209	1	He	0.008002	31.3	2063.517
Th	232	1	He	0.008488	11.7	750.027
U	238	1	He	0.004253	9.4	445.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.74916950	1025266.230
Sc	45	2	H2	95.27086369	6385216.833
Ge	72	1	He	92.82993292	628589.960
Ge	72	2	H2	94.88431893	1721062.540
In	115	1	He	95.14872902	6935765.240
Tb	159	1	He	97.95579033	15861216.430
Ir	193	1	He	97.97041343	7658564.680

Sample Name	4310639_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	082SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:05:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	105.263939	6.0	77072.687
Be	9	2	H2	105.461213	5.6	65801.873
B	11	2	H2	108.733739	5.7	74100.463
Na	23	1	He	2219.280453	1.6	4097406.710
Mg	24	1	He	2131.997157	1.0	2180968.823
Al	27	1	He	2097.156642	1.1	1160342.540
Si	28	2	H2	542.651060	6.1	2311761.083
K	39	1	He	2143.779939	1.5	3385082.343
Ca	43	1	He	2144.408687	1.3	10026.780
Ca	44	1	He	2124.986222	0.5	166412.777
Ti	47	1	He	98.501040	1.9	49397.270
V	51	1	He	105.135612	0.9	1245694.590
Cr	52	1	He	108.728168	1.8	1542442.207
Mn	55	1	He	108.175232	0.9	1159929.290
Fe	56	1	He	2170.761590	1.4	28161572.000
Co	59	1	He	110.452526	1.0	2300566.167
Ni	60	1	He	111.031117	0.8	566860.250
Cu	63	1	He	109.409812	0.8	1437677.543
Zn	66	1	He	110.779543	0.1	300192.303
As	75	1	He	102.041802	0.9	226598.503
Se	78	2	H2	101.707400	1.1	109254.647
Sr	88	1	He	101.883694	0.9	1883791.380
Mo	95	1	He	105.476875	1.2	865845.483
Pd	105	1	He	21.136429	1.6	249455.157
Ag	107	1	He	52.064502	2.6	1225357.663
Cd	111	1	He	104.193477	0.5	466446.150
Sn	118	1	He	100.191397	0.5	1177795.507
Sb	121	1	He	97.546659	1.4	1495941.177
Ba	138	1	He	104.330679	1.2	4015311.500
Pt	195	1	He	21.333195	2.2	305591.003
Hg	202	1	He	0.015304	26.9	186.673
Tl	205	1	He	109.118839	1.2	5710374.707
Pb	206	1	He	110.225224	0.6	1959030.907
Pb	207	1	He	110.022573	1.9	1633512.060
Pb	208	1	He	109.625759	1.5	7684781.863
Bi	209	1	He	109.597164	1.6	6045704.493
Th	232	1	He	107.546625	1.8	8477349.667
U	238	1	He	101.975769	0.8	8222229.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.82551119	1015164.853
Sc	45	2	H2	91.66452266	6143513.667
Ge	72	1	He	92.63960784	627301.190
Ge	72	2	H2	91.49453984	1659576.913
In	115	1	He	91.74566143	6687702.253
Tb	159	1	He	95.29044645	15429638.103
Ir	193	1	He	94.58871073	7394209.473

Sample Name	4310640_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	083SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:09:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	105.859008	6.6	78799.987
Be	9	2	H2	105.686410	5.9	67041.430
B	11	2	H2	101.493080	6.9	70520.210
Na	23	1	He	2251.565487	1.5	4139859.937
Mg	24	1	He	2155.452268	0.9	2195941.270
Al	27	1	He	2135.186477	1.3	1176571.293
Si	28	2	H2	539.154585	6.9	2335745.167
K	39	1	He	2176.630070	1.6	3421063.283
Ca	43	1	He	2195.103293	2.2	10221.597
Ca	44	1	He	2155.739797	2.0	168122.230
Ti	47	1	He	100.043610	0.9	49970.147
V	51	1	He	107.460198	2.1	1268066.133
Cr	52	1	He	109.787405	1.4	1551156.337
Mn	55	1	He	109.417065	0.8	1168470.377
Fe	56	1	He	2219.280253	1.3	28674035.333
Co	59	1	He	110.353149	0.6	2325867.750
Ni	60	1	He	111.864391	0.3	577917.187
Cu	63	1	He	110.316275	0.8	1466857.500
Zn	66	1	He	109.171819	0.4	299363.873
As	75	1	He	102.334779	0.8	229954.697
Se	78	2	H2	103.466823	1.2	112869.453
Sr	88	1	He	105.230823	1.4	1922379.033
Mo	95	1	He	107.330777	1.3	891556.757
Pd	105	1	He	21.804029	0.2	254254.990
Ag	107	1	He	53.021594	1.0	1232845.580
Cd	111	1	He	106.732181	0.6	472083.580
Sn	118	1	He	101.433395	0.4	1178112.170
Sb	121	1	He	100.012410	0.4	1515462.217
Ba	138	1	He	106.092995	1.9	4092778.690
Pt	195	1	He	21.618163	1.3	310426.923
Hg	202	1	He	0.009235	45.0	143.333
Tl	205	1	He	109.563136	1.4	5747245.957
Pb	206	1	He	111.061426	1.0	1978566.430
Pb	207	1	He	111.784874	1.4	1663712.267
Pb	208	1	He	110.640022	1.3	7774497.907
Bi	209	1	He	111.177709	0.8	6147694.700
Th	232	1	He	109.560688	1.2	8606636.333
U	238	1	He	104.871807	2.1	8426351.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.44633133	1011018.040
Sc	45	2	H2	93.17275022	6244597.667
Ge	72	1	He	93.74333734	634775.000
Ge	72	2	H2	92.91845840	1685404.710
In	115	1	He	90.64792976	6607684.273
Tb	159	1	He	95.51420361	15465869.353
Ir	193	1	He	94.26684396	7369048.433

Sample Name	10606563001_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	084SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:12:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.088223	14.9	122.000
Be	9	2	H2	0.048921	1.0	34.833
B	11	2	H2	4.133887	12.4	5287.503
Na	23	1	He	219.971330	0.7	401694.540
Mg	24	1	He	7.260407	4.5	10267.940
Al	27	1	He	38.111996	0.3	20334.453
Si	28	2	H2	26.915734	6.4	120181.777
K	39	1	He	15.516144	14.5	140878.807
Ca	43	1	He	40.884163	3.4	191.650
Ca	44	1	He	44.015809	2.1	3452.740
Ti	47	1	He	0.571246	9.2	276.000
V	51	1	He	0.038534	317.0	-1201.643
Cr	52	1	He	0.433839	4.0	6379.807
Mn	55	1	He	0.310126	5.2	4028.463
Fe	56	1	He	13.739158	0.6	185652.973
Co	59	1	He	0.012489	15.7	340.003
Ni	60	1	He	-0.005463		772.020
Cu	63	1	He	0.111339	2.0	1669.420
Zn	66	1	He	1.381654	3.6	3731.070
As	75	1	He	0.014922	67.5	279.000
Se	78	2	H2	0.015092	35.4	31.333
Sr	88	1	He	0.159014	4.5	3081.960
Mo	95	1	He	0.033373	6.8	280.007
Pd	105	1	He	0.002683	138.5	63.333
Ag	107	1	He	0.245747	13.2	6494.643
Cd	111	1	He	0.008431	35.6	39.917
Sn	118	1	He	0.045113	4.3	680.023
Sb	121	1	He	0.015483	7.6	320.010
Ba	138	1	He	0.260050	2.0	9751.257
Pt	195	1	He	0.013947	23.0	276.677
Hg	202	1	He	0.006417	108.0	116.667
Tl	205	1	He	0.030345	31.1	2251.853
Pb	206	1	He	0.091837	11.6	1653.437
Pb	207	1	He	0.078908	12.8	2038.490
Pb	208	1	He	0.090676	2.5	7295.710
Bi	209	1	He	0.010932	39.4	2083.510
Th	232	1	He	0.016006	2.0	1258.393
U	238	1	He	0.007835	16.5	688.357

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.52554938	968139.310
Sc	45	2	H2	87.59603044	5870836.333
Ge	72	1	He	87.24592587	590778.333
Ge	72	2	H2	87.76598404	1591946.373
In	115	1	He	89.67220780	6536560.060
Tb	159	1	He	91.42483474	14803709.777
Ir	193	1	He	90.40350707	7067042.813

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	085_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:16:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	80.217085	5.7	59463.513
Be	9	2	H2	80.308144	5.2	50713.800
B	11	2	H2	81.300899	6.0	56806.660
Na	23	1	He	2003.747340	1.0	3723686.613
Mg	24	1	He	1984.398178	0.9	2042557.783
Al	27	1	He	1960.979712	0.1	1091675.667
Si	28	2	H2	1006.748261	5.2	4331142.083
K	39	1	He	2002.202636	0.4	3189175.580
Ca	43	1	He	1979.088814	0.2	9311.600
Ca	44	1	He	1977.076710	0.3	155780.907
Ti	47	1	He	76.348763	0.2	38525.917
V	51	1	He	80.975300	1.2	964890.650
Cr	52	1	He	81.425563	0.5	1162374.163
Mn	55	1	He	82.810829	0.4	893602.853
Fe	56	1	He	1018.634342	0.9	13304506.333
Co	59	1	He	82.535092	1.0	1719682.960
Ni	60	1	He	82.929940	0.9	423747.510
Cu	63	1	He	85.069290	0.5	1118308.087
Zn	66	1	He	80.504003	0.3	218298.863
As	75	1	He	78.403136	0.6	174230.593
Se	78	2	H2	78.836129	0.7	85896.303
Sr	88	1	He	75.310913	0.1	1407854.877
Mo	95	1	He	81.122862	0.5	666212.597
Pd	105	1	He	78.960878	1.1	942072.953
Ag	107	1	He	40.020426	2.8	952421.183
Cd	111	1	He	79.093116	1.0	357969.040
Sn	118	1	He	78.394640	0.6	931717.953
Sb	121	1	He	75.122114	0.5	1164785.007
Ba	138	1	He	79.112568	0.6	3058296.307
Pt	195	1	He	79.279926	1.0	1140487.743
Hg	202	1	He	3.579725	0.4	26044.870
Tl	205	1	He	39.805137	1.1	2092745.803
Pb	206	1	He	80.847306	1.6	1443236.437
Pb	207	1	He	83.770895	1.5	1249511.803
Pb	208	1	He	81.457318	0.7	5735800.590
Bi	209	1	He	83.753781	0.6	4640981.283
Th	232	1	He	79.284366	0.0	6203869.490
U	238	1	He	77.121252	0.9	6172374.700

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.38960541	1021333.940
Sc	45	2	H2	92.75586047	6216657.000
Ge	72	1	He	92.67513660	627541.770
Ge	72	2	H2	92.79276836	1683124.877
In	115	1	He	92.75293760	6761126.577
Tb	159	1	He	95.70531906	15496815.187
Ir	193	1	He	93.89292063	7339818.017

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	086_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:19:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.067492	20.0	116.833
Be	9	2	H2	0.027795	11.3	24.167
B	11	2	H2	1.965688	33.6	4273.907
Na	23	1	He	6.964150	2.5	30196.257
Mg	24	1	He	-2.621402		683.353
Al	27	1	He	0.451970	12.2	498.677
Si	28	2	H2	-0.222689		11139.447
K	39	1	He	5.819478	25.0	135870.213
Ca	43	1	He	0.515571	40.7	12.717
Ca	44	1	He	0.595848	84.2	227.430
Ti	47	1	He	0.001654	236.8	4.000
V	51	1	He	-0.011026		-1862.120
Cr	52	1	He	-0.001546		528.677
Mn	55	1	He	-0.064282		219.333
Fe	56	1	He	-0.146605		14935.523
Co	59	1	He	0.002383	72.7	151.333
Ni	60	1	He	-0.121335		230.667
Cu	63	1	He	0.013545	30.3	491.343
Zn	66	1	He	0.030234	14.1	303.333
As	75	1	He	-0.014785		231.833
Se	78	2	H2	0.015354	26.2	34.333
Sr	88	1	He	0.002051	44.3	265.003
Mo	95	1	He	0.006252	44.8	75.000
Pd	105	1	He	0.006600	67.4	116.670
Ag	107	1	He	0.213317	15.5	6137.810
Cd	111	1	He	0.005367	57.3	28.310
Sn	118	1	He	0.012955	28.8	331.677
Sb	121	1	He	0.009813	52.5	251.670
Ba	138	1	He	0.004615	23.4	340.010
Pt	195	1	He	0.005966	48.2	180.003
Hg	202	1	He	0.023470	31.3	253.343
Tl	205	1	He	0.043380	27.2	3110.347
Pb	206	1	He	0.006473	23.3	215.000
Pb	207	1	He	0.005961	12.0	1073.380
Pb	208	1	He	0.006834	13.9	1783.393
Bi	209	1	He	0.005873	20.9	1946.817
Th	232	1	He	0.008783	7.0	778.363
U	238	1	He	0.003787	4.2	408.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.80910767	1036858.000
Sc	45	2	H2	95.18848741	6379695.833
Ge	72	1	He	93.31690010	631887.417
Ge	72	2	H2	95.10042661	1724982.417
In	115	1	He	95.89027128	6989819.173
Tb	159	1	He	98.20674417	15901851.427
Ir	193	1	He	98.49383036	7699481.343

Sample Name	4310659_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	087SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:23:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.072678	0.8	121.000
Be	9	2	H2	0.017605	33.7	17.667
B	11	2	H2	1.616242	34.7	4047.177
Na	23	1	He	8.043274	3.9	31206.250
Mg	24	1	He	0.859610	19.9	4183.837
Al	27	1	He	8.252276	3.8	4752.617
Si	28	2	H2	0.356735	50.1	13730.663
K	39	1	He	8.525755	28.6	135628.143
Ca	43	1	He	8.379837	20.3	48.523
Ca	44	1	He	8.943846	15.9	864.563
Ti	47	1	He	0.014137	103.1	10.000
V	51	1	He	-0.131087		-3203.523
Cr	52	1	He	0.038881	4.8	1080.037
Mn	55	1	He	-0.031617		558.010
Fe	56	1	He	0.242514	21.3	19447.780
Co	59	1	He	0.003628	21.0	170.667
Ni	60	1	He	-0.110583		275.333
Cu	63	1	He	0.258118	0.9	3591.040
Zn	66	1	He	0.495991	4.1	1516.740
As	75	1	He	0.012652	41.0	282.167
Se	78	2	H2	0.012087	24.8	30.667
Sr	88	1	He	0.017338	7.4	550.017
Mo	95	1	He	0.006388	53.3	73.333
Pd	105	1	He	0.008443	43.9	136.670
Ag	107	1	He	0.107742	22.4	3467.053
Cd	111	1	He	0.002616	76.6	14.980
Sn	118	1	He	1.505057	1.0	18323.223
Sb	121	1	He	0.002887	174.8	136.670
Ba	138	1	He	0.091568	8.9	3703.777
Pt	195	1	He	0.002863	165.6	130.003
Hg	202	1	He	0.017032	27.8	200.007
Tl	205	1	He	0.008164	40.7	1181.723
Pb	206	1	He	0.015058	26.2	363.343
Pb	207	1	He	0.020143	7.3	1260.063
Pb	208	1	He	0.017051	21.2	2461.770
Bi	209	1	He	0.004183	116.8	1803.470
Th	232	1	He	0.006003	0.8	540.013
U	238	1	He	0.001679	22.8	226.670

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.84770980	1004471.353
Sc	45	2	H2	95.43110529	6395956.500
Ge	72	1	He	89.87525683	608582.623
Ge	72	2	H2	95.14310040	1725756.457
In	115	1	He	94.14695422	6862741.933
Tb	159	1	He	95.88542614	15525978.520
Ir	193	1	He	96.67087624	7556976.973

Sample Name	4310660_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	088SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:27:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	58.874300	3.7	43972.027
Be	9	2	H2	59.529984	3.3	37866.897
B	11	2	H2	62.459474	4.8	44620.637
Na	23	1	He	1162.870434	0.8	2148265.853
Mg	24	1	He	1151.008955	1.6	1175324.750
Al	27	1	He	1134.444297	1.2	625844.187
Si	28	2	H2	301.027392	3.8	1312582.627
K	39	1	He	1154.493819	0.8	1874445.023
Ca	43	1	He	1158.718650	1.6	5405.837
Ca	44	1	He	1131.119714	2.7	88381.823
Ti	47	1	He	53.953284	1.3	26975.917
V	51	1	He	58.808227	1.9	693880.470
Cr	52	1	He	59.026334	1.2	835034.957
Mn	55	1	He	58.432172	1.0	625013.877
Fe	56	1	He	1175.775057	0.5	15213772.000
Co	59	1	He	59.819897	1.2	1245664.543
Ni	60	1	He	59.744842	0.9	305321.617
Cu	63	1	He	60.180076	0.9	790690.563
Zn	66	1	He	56.528367	0.6	153238.383
As	75	1	He	54.587649	0.6	121303.340
Se	78	2	H2	56.044329	0.8	61665.897
Sr	88	1	He	54.929785	2.1	1024284.853
Mo	95	1	He	57.492414	1.0	471813.990
Pd	105	1	He	11.470424	1.4	136527.513
Ag	107	1	He	28.836803	4.6	684720.527
Cd	111	1	He	55.693139	2.0	251417.647
Sn	118	1	He	55.600282	2.2	659164.573
Sb	121	1	He	53.364779	2.6	825337.253
Ba	138	1	He	55.849369	1.4	2180103.667
Pt	195	1	He	11.176157	2.0	162426.083
Hg	202	1	He	3.976645	1.7	29207.080
Tl	205	1	He	57.261872	1.1	3039620.787
Pb	206	1	He	57.474701	2.4	1036049.153
Pb	207	1	He	57.837389	2.8	871422.223
Pb	208	1	He	57.575647	1.9	4094166.500
Bi	209	1	He	58.216805	1.3	3257938.283
Th	232	1	He	56.097507	1.6	4537036.077
U	238	1	He	53.315679	1.2	4410618.477

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.52964950	1011929.230
Sc	45	2	H2	93.44975496	6263163.000
Ge	72	1	He	92.60489673	627066.147
Ge	72	2	H2	93.70556258	1699681.627
In	115	1	He	92.51573821	6743836.180
Tb	159	1	He	96.64021252	15648195.187
Ir	193	1	He	97.04598546	7586300.093

Sample Name	10606560001_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	089SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:30:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.456000	5.5	4152.960
Be	9	2	H2	0.206180	7.6	137.667
B	11	2	H2	2.569183	6.4	4617.330
Na	23	1	He	356.168405	0.7	665773.557
Mg	24	1	He	2897.157373	0.4	2936521.730
Al	27	1	He	5830.970722	0.3	3197616.000
Si	28	2	H2	896.847327	4.9	3905780.500
K	39	1	He	728.400660	0.9	1221456.757
Ca	43	1	He	6160.814364	0.0	28536.920
Ca	44	1	He	6391.867470	0.3	495804.650
Ti	47	1	He	934.455329	0.6	464536.480
V	51	1	He	44.619100	0.6	523071.573
Cr	52	1	He	9.676309	0.5	136564.890
Mn	55	1	He	298.457429	0.7	3170588.667
Fe	56	1	He	14446.49756	0.6	185695925.333
Co	59	1	He	5.854894	0.1	119945.403
Ni	60	1	He	10.881289	0.2	55349.787
Cu	63	1	He	9.564252	0.7	123788.027
Zn	66	1	He	55.467015	0.7	147827.163
As	75	1	He	2.069049	1.0	4769.137
Se	78	2	H2	0.174767	11.7	207.000
Sr	88	1	He	27.558904	1.4	507361.460
Mo	95	1	He	0.220075	9.8	1796.780
Pd	105	1	He	0.034044	6.3	433.350
Ag	107	1	He	0.319712	17.1	8335.447
Cd	111	1	He	0.144419	18.1	646.143
Sn	118	1	He	1.620003	5.1	19115.737
Sb	121	1	He	0.085508	5.2	1395.070
Ba	138	1	He	80.125236	0.6	3128750.683
Pt	195	1	He	0.001814	122.3	116.667
Hg	202	1	He	0.044960	5.6	406.680
Tl	205	1	He	0.078378	5.1	4920.823
Pb	206	1	He	6.537541	2.5	117970.273
Pb	207	1	He	6.631048	1.2	100793.443
Pb	208	1	He	6.565545	1.3	468151.617
Bi	209	1	He	0.086535	10.1	6431.423
Th	232	1	He	4.870870	1.3	389645.320
U	238	1	He	0.787116	0.9	64482.383

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.00939107	1006239.543
Sc	45	2	H2	93.87401048	6291597.333
Ge	72	1	He	91.04634153	616512.523
Ge	72	2	H2	92.73040812	1681993.753
In	115	1	He	91.32487205	6657029.260
Tb	159	1	He	96.67422061	15653701.850
Ir	193	1	He	95.96964938	7502160.513

Sample Name	10606560002_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	090SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:34:18
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.783783	3.1	4492.537
Be	9	2	H2	0.225053	10.1	153.167
B	11	2	H2	2.081117	47.3	4387.277
Na	23	1	He	328.287401	0.4	631685.273
Mg	24	1	He	2851.667966	0.3	2969141.203
Al	27	1	He	6119.110965	0.7	3446874.750
Si	28	2	H2	931.538874	5.2	4144817.917
K	39	1	He	862.072602	1.1	1461552.373
Ca	43	1	He	3006.227017	1.7	14309.067
Ca	44	1	He	3119.221215	1.1	248630.797
Ti	47	1	He	803.031553	0.5	410053.907
V	51	1	He	37.581238	1.2	452297.943
Cr	52	1	He	10.535283	1.3	152674.667
Mn	55	1	He	194.106721	0.7	2118476.833
Fe	56	1	He	13371.93557	0.7	176552250.667
Co	59	1	He	5.560849	1.0	116976.700
Ni	60	1	He	10.340587	2.1	54053.860
Cu	63	1	He	8.322975	1.3	110654.297
Zn	66	1	He	61.088074	2.2	167140.917
As	75	1	He	1.942426	1.9	4613.097
Se	78	2	H2	0.162541	6.0	198.333
Sr	88	1	He	23.462148	2.0	445410.643
Mo	95	1	He	0.190655	6.6	1603.427
Pd	105	1	He	0.036249	15.2	473.350
Ag	107	1	He	0.114684	2.6	3645.423
Cd	111	1	He	0.184832	14.6	852.880
Sn	118	1	He	1.278467	0.7	15592.173
Sb	121	1	He	0.055449	22.5	965.037
Ba	138	1	He	85.505375	1.5	3413314.117
Pt	195	1	He	0.004545	49.4	160.003
Hg	202	1	He	0.024630	21.7	263.343
Tl	205	1	He	0.084603	1.5	5369.290
Pb	206	1	He	5.569740	2.2	102758.743
Pb	207	1	He	5.709106	3.5	88853.883
Pb	208	1	He	5.595271	2.2	408067.940
Bi	209	1	He	0.041790	16.7	4017.280
Th	232	1	He	2.324623	3.5	190310.560
U	238	1	He	0.574314	3.6	48167.210

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.51005294	1033587.457
Sc	45	2	H2	95.91564972	6428431.500
Ge	72	1	He	93.48625171	633034.167
Ge	72	2	H2	94.97195942	1722652.210
In	115	1	He	94.16474193	6864038.550
Tb	159	1	He	98.83983115	16004362.260
Ir	193	1	He	98.21123585	7677390.303

Sample Name	10606560003_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	091SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:37:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.034933	3.9	4746.597
Be	9	2	H2	0.224701	10.1	155.167
B	11	2	H2	2.304942	19.5	4600.660
Na	23	1	He	253.908479	0.5	499378.340
Mg	24	1	He	2937.774741	0.5	3101767.663
Al	27	1	He	5812.589422	0.6	3320307.167
Si	28	2	H2	953.633556	3.4	4297312.917
K	39	1	He	871.214673	0.5	1496571.490
Ca	43	1	He	2857.569991	1.0	13792.317
Ca	44	1	He	2928.319237	1.1	236721.460
Ti	47	1	He	785.042099	0.3	406504.783
V	51	1	He	34.588599	2.0	422041.700
Cr	52	1	He	10.596829	1.3	155741.447
Mn	55	1	He	135.369301	0.7	1498577.337
Fe	56	1	He	12392.23673	0.3	165916954.667
Co	59	1	He	5.720599	1.9	121206.367
Ni	60	1	He	10.119843	2.9	53301.773
Cu	63	1	He	8.550537	1.9	114494.067
Zn	66	1	He	54.971116	1.6	151517.920
As	75	1	He	1.773689	1.1	4265.843
Se	78	2	H2	0.207676	4.9	252.667
Sr	88	1	He	20.985475	2.5	401781.530
Mo	95	1	He	0.193789	16.4	1641.763
Pd	105	1	He	0.024726	20.4	336.680
Ag	107	1	He	0.084925	3.8	2951.957
Cd	111	1	He	0.197055	2.9	916.207
Sn	118	1	He	1.260039	4.4	15498.770
Sb	121	1	He	0.047885	7.1	853.363
Ba	138	1	He	69.352477	1.5	2774196.623
Pt	195	1	He	0.002520	53.8	130.003
Hg	202	1	He	0.022308	34.0	246.677
Tl	205	1	He	0.117943	2.4	7193.347
Pb	206	1	He	4.010720	2.5	74177.700
Pb	207	1	He	3.997676	1.5	62647.300
Pb	208	1	He	4.008073	2.4	293279.673
Bi	209	1	He	0.042351	12.0	4053.937
Th	232	1	He	2.604155	1.9	213325.320
U	238	1	He	0.588157	0.8	49356.117

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.83769176	1048106.873
Sc	45	2	H2	97.13717668	6510300.333
Ge	72	1	He	94.14952376	637525.457
Ge	72	2	H2	96.45499448	1749552.293
In	115	1	He	94.95250231	6921461.503
Tb	159	1	He	99.03409370	16035817.677
Ir	193	1	He	98.26560035	7681640.097

Sample Name	4312117_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	092SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:41:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	94.997236	5.4	73093.293
Be	9	2	H2	88.494623	4.4	58015.910
B	11	2	H2	90.960865	5.5	65626.100
Na	23	1	He	2556.016270	4.7	4775776.073
Mg	24	1	He	5269.360535	5.5	5451468.043
Al	27	1	He	8132.438902	5.3	4554431.833
Si	28	2	H2	2052.582343	5.6	9154806.500
K	39	1	He	3181.899600	5.0	5026189.507
Ca	43	1	He	5265.533852	5.2	24911.303
Ca	44	1	He	5306.064311	4.9	420457.167
Ti	47	1	He	883.715553	4.9	448714.617
V	51	1	He	128.600958	6.1	1542488.297
Cr	52	1	He	104.667497	6.0	1502897.917
Mn	55	1	He	230.516205	4.7	2501777.000
Fe	56	1	He	13810.63063	5.0	181318330.667
Co	59	1	He	101.466221	4.6	2113911.917
Ni	60	1	He	106.031308	3.8	541610.750
Cu	63	1	He	105.129270	4.2	1381890.000
Zn	66	1	He	148.013182	4.3	401132.093
As	75	1	He	91.333652	3.6	202947.070
Se	78	2	H2	87.490209	1.5	99139.110
Sr	88	1	He	111.991838	4.1	2050096.690
Mo	95	1	He	92.732904	3.9	761539.860
Pd	105	1	He	91.128072	3.7	1064906.543
Ag	107	1	He	47.453083	5.7	1105502.403
Cd	111	1	He	91.251962	4.4	404418.537
Sn	118	1	He	92.540047	4.4	1076907.247
Sb	121	1	He	88.282026	4.7	1340209.773
Ba	138	1	He	163.690937	4.0	6339868.863
Pt	195	1	He	91.098847	4.2	1313008.887
Hg	202	1	He	0.019841	31.2	220.010
Tl	205	1	He	46.408200	4.0	2444439.393
Pb	206	1	He	97.137453	4.0	1737296.537
Pb	207	1	He	97.615153	4.1	1458602.060
Pb	208	1	He	97.071992	3.8	6848372.813
Bi	209	1	He	94.469882	4.1	5244420.757
Th	232	1	He	93.631046	4.2	7324151.143
U	238	1	He	91.076156	4.4	7286908.433

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.12418097	1029367.457
Sc	45	2	H2	96.30453363	6454495.167
Ge	72	1	He	92.75867700	628107.457
Ge	72	2	H2	96.51578347	1750654.917
In	115	1	He	90.92077917	6627573.340
Tb	159	1	He	95.98228077	15541661.433
Ir	193	1	He	93.96430413	7345398.223

Sample Name	4312118_B69995Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	093SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:45:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.266538	5.7	1016.360
Be	9	2	H2	0.072602	11.2	52.667
B	11	2	H2	1.314274	10.0	3783.777
Na	23	1	He	56.992467	1.1	121212.297
Mg	24	1	He	599.850978	0.8	614294.900
Al	27	1	He	1188.950976	0.4	656099.917
Si	28	2	H2	190.573534	5.5	841586.497
K	39	1	He	184.209401	0.8	403241.623
Ca	43	1	He	584.477654	1.7	2732.493
Ca	44	1	He	610.180490	1.5	47770.983
Ti	47	1	He	157.737779	0.5	78884.827
V	51	1	He	7.052233	2.0	81752.897
Cr	52	1	He	2.153045	1.4	30985.057
Mn	55	1	He	27.707228	0.2	296933.677
Fe	56	1	He	2525.008681	1.0	32662513.333
Co	59	1	He	1.145637	1.4	23861.760
Ni	60	1	He	2.000152	2.3	10998.047
Cu	63	1	He	1.788686	1.2	23708.273
Zn	66	1	He	11.234084	1.7	30509.873
As	75	1	He	0.341103	3.4	1015.197
Se	78	2	H2	0.046009	5.9	68.000
Sr	88	1	He	4.216309	0.4	79361.317
Mo	95	1	He	0.049393	18.5	426.677
Pd	105	1	He	0.012411	49.1	183.337
Ag	107	1	He	0.237043	17.0	6529.637
Cd	111	1	He	0.046603	26.7	214.873
Sn	118	1	He	0.241815	10.5	3055.310
Sb	121	1	He	0.011374	35.1	268.340
Ba	138	1	He	14.015554	1.4	546453.000
Pt	195	1	He	0.011001	20.5	250.010
Hg	202	1	He	0.006735	80.4	126.667
Tl	205	1	He	0.076379	12.4	4810.783
Pb	206	1	He	0.837912	3.1	15175.663
Pb	207	1	He	0.846768	0.3	13692.640
Pb	208	1	He	0.837894	2.3	60740.073
Bi	209	1	He	0.014791	20.6	2410.247
Th	232	1	He	0.531296	1.0	42841.770
U	238	1	He	0.123706	2.7	10276.810

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.56005871	1012261.793
Sc	45	2	H2	94.10664901	6307189.167
Ge	72	1	He	92.25032729	624665.210
Ge	72	2	H2	94.33510846	1711100.667
In	115	1	He	93.14926202	6790016.223
Tb	159	1	He	96.51258433	15627529.350
Ir	193	1	He	96.62729725	7553570.307

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	094_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:48:47
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	79.661009	4.4	60982.200
Be	9	2	H2	79.703997	4.0	51981.440
B	11	2	H2	79.689826	6.0	57568.913
Na	23	1	He	2032.225135	0.4	3855969.527
Mg	24	1	He	2022.411565	0.8	2125456.167
Al	27	1	He	1991.205128	0.2	1131831.163
Si	28	2	H2	1004.910277	5.0	4465092.833
K	39	1	He	2027.244809	0.6	3295404.427
Ca	43	1	He	2021.361087	1.2	9710.073
Ca	44	1	He	2025.939331	0.8	162982.680
Ti	47	1	He	78.087723	0.5	40232.193
V	51	1	He	82.833457	0.3	1007869.690
Cr	52	1	He	83.069887	0.5	1210782.873
Mn	55	1	He	84.122670	0.7	926850.897
Fe	56	1	He	1041.066791	0.8	13883435.667
Co	59	1	He	83.370125	1.1	1783995.167
Ni	60	1	He	84.327617	0.2	442533.730
Cu	63	1	He	86.578408	0.2	1168898.120
Zn	66	1	He	81.864526	0.7	227970.027
As	75	1	He	79.191857	0.3	180736.697
Se	78	2	H2	79.306093	0.5	89348.840
Sr	88	1	He	76.925258	0.5	1462114.147
Mo	95	1	He	82.372686	0.3	694731.420
Pd	105	1	He	81.056771	0.9	983260.273
Ag	107	1	He	41.005360	3.5	992213.343
Cd	111	1	He	79.583004	0.6	366220.340
Sn	118	1	He	80.183076	0.7	968920.403
Sb	121	1	He	76.833087	0.6	1211283.133
Ba	138	1	He	80.474544	0.8	3161682.663
Pt	195	1	He	80.207822	0.5	1172723.523
Hg	202	1	He	3.609797	1.2	26692.583
Tl	205	1	He	40.308288	0.5	2153851.740
Pb	206	1	He	82.412207	1.2	1495188.207
Pb	207	1	He	86.376313	0.3	1309411.357
Pb	208	1	He	83.384853	0.9	5967378.373
Bi	209	1	He	84.813700	1.3	4776362.010
Th	232	1	He	79.847015	0.7	6400591.987
U	238	1	He	76.961134	0.7	6310256.367

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.35527561	1042831.040
Sc	45	2	H2	95.77846782	6419237.333
Ge	72	1	He	95.17702989	644483.127
Ge	72	2	H2	95.95393178	1740463.750
In	115	1	He	94.30690447	6874401.337
Tb	159	1	He	97.27056668	15750263.513
Ir	193	1	He	96.18723521	7519169.680

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	095_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:52:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.060135	31.4	114.667
Be	9	2	H2	0.021032	39.6	20.333
B	11	2	H2	0.923672	30.3	3673.773
Na	23	1	He	5.318991	6.5	27583.817
Mg	24	1	He	-2.537234		785.023
Al	27	1	He	0.363895	15.0	456.677
Si	28	2	H2	-0.279800		11231.520
K	39	1	He	4.589933	28.9	136301.920
Ca	43	1	He	1.110935	50.4	15.840
Ca	44	1	He	1.082342	38.4	270.977
Ti	47	1	He	0.021991	10.9	14.667
V	51	1	He	0.042983	169.9	-1231.923
Cr	52	1	He	-0.000555		552.677
Mn	55	1	He	-0.062162		246.667
Fe	56	1	He	0.063890	7.1	18034.327
Co	59	1	He	0.002008	61.7	146.667
Ni	60	1	He	-0.123566		224.000
Cu	63	1	He	0.015686	24.9	531.343
Zn	66	1	He	0.026159	16.6	298.667
As	75	1	He	-0.011697		244.000
Se	78	2	H2	0.012939	61.8	32.667
Sr	88	1	He	0.001098	235.4	251.673
Mo	95	1	He	0.007040	34.5	83.333
Pd	105	1	He	0.011482	53.0	180.007
Ag	107	1	He	0.205881	18.5	6069.470
Cd	111	1	He	0.005621	86.2	29.977
Sn	118	1	He	0.032381	3.6	581.683
Sb	121	1	He	0.006252	15.6	198.333
Ba	138	1	He	0.011535	0.5	623.353
Pt	195	1	He	0.008711	13.3	223.343
Hg	202	1	He	0.023883	4.4	260.010
Tl	205	1	He	0.044206	31.0	3197.033
Pb	206	1	He	0.010156	44.7	286.673
Pb	207	1	He	0.009638	77.5	1145.050
Pb	208	1	He	0.008749	26.4	1948.403
Bi	209	1	He	0.004766	47.7	1910.163
Th	232	1	He	0.006851	14.5	621.683
U	238	1	He	0.004189	21.7	443.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.47152121	1055038.603
Sc	45	2	H2	98.15364820	6578426.000
Ge	72	1	He	95.39582022	645964.647
Ge	72	2	H2	98.45189628	1785773.167
In	115	1	He	97.78960278	7128268.920
Tb	159	1	He	99.59749958	16127045.593
Ir	193	1	He	98.82720485	7725541.967

Sample Name	4310661_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	096SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:55:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	59.575884	5.5	46257.537
Be	9	2	H2	54.826746	4.5	36256.257
B	11	2	H2	55.014365	3.8	41202.813
Na	23	1	He	1577.832835	1.0	3023488.707
Mg	24	1	He	4005.474400	1.4	4242323.270
Al	27	1	He	7922.031417	1.4	4540929.500
Si	28	2	H2	1022.796489	4.8	4607069.167
K	39	1	He	1911.172626	1.5	3140951.517
Ca	43	1	He	4656.122818	0.9	22546.897
Ca	44	1	He	4713.370391	1.6	382236.037
Ti	47	1	He	837.028520	1.2	434961.430
V	51	1	He	88.838062	2.4	1090389.357
Cr	52	1	He	65.995204	1.8	970384.810
Mn	55	1	He	186.496758	1.2	2071369.790
Fe	56	1	He	13010.86453	0.8	174812986.667
Co	59	1	He	61.969839	0.2	1314399.710
Ni	60	1	He	66.411942	0.4	345612.520
Cu	63	1	He	64.323282	0.4	860786.790
Zn	66	1	He	104.682796	0.5	288879.330
As	75	1	He	53.864515	0.7	121937.630
Se	78	2	H2	53.091487	0.3	60166.477
Sr	88	1	He	79.491090	0.4	1488105.393
Mo	95	1	He	54.300483	1.2	453878.313
Pd	105	1	He	10.135231	1.5	121131.167
Ag	107	1	He	27.519043	2.7	656211.293
Cd	111	1	He	52.904698	0.8	239788.873
Sn	118	1	He	53.851345	1.2	641002.803
Sb	121	1	He	34.986535	0.6	543293.937
Ba	138	1	He	123.588137	1.0	4865460.553
Pt	195	1	He	10.455009	1.4	153255.283
Hg	202	1	He	3.952071	2.3	29277.140
Tl	205	1	He	54.367726	1.3	2910782.560
Pb	206	1	He	58.339068	2.2	1060672.510
Pb	207	1	He	58.968983	2.3	896093.817
Pb	208	1	He	58.352978	1.3	4184942.440
Bi	209	1	He	55.174693	0.1	3114114.017
Th	232	1	He	56.732840	0.2	4524056.497
U	238	1	He	52.585980	0.6	4289257.123

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.18051706	1051856.103
Sc	45	2	H2	97.14300315	6510690.833
Ge	72	1	He	94.33330515	638769.917
Ge	72	2	H2	96.50958341	1750542.457
In	115	1	He	92.88155749	6770502.187
Tb	159	1	He	97.46435576	15781642.267
Ir	193	1	He	95.68759317	7480111.553

Sample Name	4310662_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	097SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:59:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	58.644350	4.6	46343.250
Be	9	2	H2	53.968482	4.5	36323.237
B	11	2	H2	55.036949	5.9	41964.423
Na	23	1	He	1625.452307	4.1	3094779.953
Mg	24	1	He	3987.563245	5.0	4196043.687
Al	27	1	He	8012.005260	4.2	4563699.500
Si	28	2	H2	1054.832013	4.8	4835098.167
K	39	1	He	1940.054110	4.6	3166166.727
Ca	43	1	He	4705.797864	3.9	22645.453
Ca	44	1	He	4771.676321	4.2	384504.493
Ti	47	1	He	824.582887	4.1	425794.343
V	51	1	He	90.817357	3.1	1108058.883
Cr	52	1	He	67.759396	3.3	990264.960
Mn	55	1	He	190.584984	4.3	2103379.500
Fe	56	1	He	13067.30446	3.9	174480277.333
Co	59	1	He	63.240426	4.6	1340457.710
Ni	60	1	He	67.979002	3.7	353612.653
Cu	63	1	He	65.811866	4.2	880283.417
Zn	66	1	He	108.055453	3.8	298049.017
As	75	1	He	55.013809	4.0	124464.743
Se	78	2	H2	52.143866	0.7	60274.503
Sr	88	1	He	81.240652	3.4	1517013.520
Mo	95	1	He	55.022651	5.4	459526.073
Pd	105	1	He	10.468046	4.1	124759.987
Ag	107	1	He	28.343482	1.0	674425.527
Cd	111	1	He	55.029847	2.6	248829.010
Sn	118	1	He	55.251615	2.6	656124.247
Sb	121	1	He	36.790164	2.1	570017.217
Ba	138	1	He	125.177781	4.0	4872041.177
Pt	195	1	He	10.807487	3.1	156659.477
Hg	202	1	He	3.991950	6.0	29216.960
Tl	205	1	He	55.828207	5.7	2953512.350
Pb	206	1	He	59.816690	4.2	1075102.250
Pb	207	1	He	60.182906	3.7	904178.293
Pb	208	1	He	59.533061	4.0	4221183.583
Bi	209	1	He	56.366798	4.3	3145199.117
Th	232	1	He	59.113051	3.2	4634698.160
U	238	1	He	53.834634	4.4	4315900.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.68613186	1046449.373
Sc	45	2	H2	98.86150832	6625868.000
Ge	72	1	He	94.41157536	639299.917
Ge	72	2	H2	98.43600011	1785484.833
In	115	1	He	92.72475057	6759071.913
Tb	159	1	He	96.47668489	15621716.433
Ir	193	1	He	94.16362370	7360979.477

Sample Name	10606565001_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	098SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:03:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.624305	6.4	5396.107
Be	9	2	H2	0.257437	14.8	182.833
B	11	2	H2	2.368820	23.6	4810.730
Na	23	1	He	347.721232	1.1	697702.020
Mg	24	1	He	3335.909088	1.3	3626731.197
Al	27	1	He	6773.910570	1.2	3984940.000
Si	28	2	H2	1017.961290	5.2	4756080.000
K	39	1	He	1038.790689	1.4	1812242.887
Ca	43	1	He	3218.706374	2.4	15998.447
Ca	44	1	He	3298.282161	0.6	274550.187
Ti	47	1	He	831.117012	1.4	443214.320
V	51	1	He	36.721184	1.6	461496.833
Cr	52	1	He	11.180868	1.9	169191.027
Mn	55	1	He	196.253453	1.5	2236898.667
Fe	56	1	He	14740.33549	1.7	203248778.667
Co	59	1	He	6.296035	1.9	136914.167
Ni	60	1	He	11.389604	2.1	61455.457
Cu	63	1	He	9.338845	1.2	128319.733
Zn	66	1	He	63.817323	1.0	180506.963
As	75	1	He	1.962008	3.8	4815.320
Se	78	2	H2	0.187519	6.8	238.333
Sr	88	1	He	26.957183	1.8	524757.283
Mo	95	1	He	0.210464	6.6	1826.783
Pd	105	1	He	0.035001	14.1	470.017
Ag	107	1	He	0.317367	15.4	8755.680
Cd	111	1	He	0.218157	14.8	1031.160
Sn	118	1	He	1.399754	4.4	17490.750
Sb	121	1	He	0.068677	12.2	1203.393
Ba	138	1	He	105.300764	2.0	4239772.857
Pt	195	1	He	0.008930	68.0	226.673
Hg	202	1	He	0.043265	9.5	406.680
Tl	205	1	He	0.103105	3.7	6428.020
Pb	206	1	He	5.685962	1.3	105811.380
Pb	207	1	He	5.726015	2.7	89890.887
Pb	208	1	He	5.652201	1.4	415759.460
Bi	209	1	He	0.049927	9.9	4517.410
Th	232	1	He	2.307575	0.2	188487.307
U	238	1	He	0.512493	1.1	42898.883

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	98.70216262	1079433.500
Sc	45	2	H2	100.7587863	6753026.833
Ge	72	1	He	96.64063004	654393.770
Ge	72	2	H2	100.1352667	1816307.040
In	115	1	He	96.55921752	7038581.297
Tb	159	1	He	99.67964037	16140346.010
Ir	193	1	He	97.98404517	7659630.303

Sample Name	10606565002_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	099SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:06:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.614234	4.7	4605.397
Be	9	2	H2	0.229937	12.9	165.167
B	11	2	H2	1.188946	25.6	3977.153
Na	23	1	He	323.701594	0.8	656923.910
Mg	24	1	He	2914.582898	0.8	3199045.577
Al	27	1	He	5988.807526	0.8	3556334.167
Si	28	2	H2	956.505126	5.6	4491748.833
K	39	1	He	887.014745	0.7	1581599.560
Ca	43	1	He	3185.085709	0.3	15981.650
Ca	44	1	He	3245.151083	0.7	272675.920
Ti	47	1	He	833.675403	0.2	448782.317
V	51	1	He	39.554406	0.5	501926.067
Cr	52	1	He	11.640586	0.5	177782.953
Mn	55	1	He	165.031733	0.4	1899006.540
Fe	56	1	He	13751.47080	0.7	191404357.333
Co	59	1	He	6.044851	1.4	132125.980
Ni	60	1	He	10.370814	0.9	56335.557
Cu	63	1	He	8.430373	1.1	116471.213
Zn	66	1	He	66.269132	1.1	188403.543
As	75	1	He	1.686544	2.3	4198.660
Se	78	2	H2	0.168338	8.1	216.667
Sr	88	1	He	25.265982	0.7	492774.080
Mo	95	1	He	0.194100	7.2	1695.100
Pd	105	1	He	0.033082	20.8	446.680
Ag	107	1	He	0.118863	4.4	3848.800
Cd	111	1	He	0.279067	15.2	1321.227
Sn	118	1	He	1.232261	2.2	15445.407
Sb	121	1	He	0.060525	7.8	1073.377
Ba	138	1	He	88.953150	0.3	3607189.010
Pt	195	1	He	0.002179	93.0	126.667
Hg	202	1	He	0.030622	8.8	313.343
Tl	205	1	He	0.102175	1.5	6423.000
Pb	206	1	He	5.324405	1.6	99799.143
Pb	207	1	He	5.447162	0.9	86170.533
Pb	208	1	He	5.335426	0.5	395341.303
Bi	209	1	He	0.042529	7.8	4120.607
Th	232	1	He	2.735289	1.2	225859.530
U	238	1	He	0.568245	2.2	48072.120

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.63683138	1089655.290
Sc	45	2	H2	101.2124975	6783435.333
Ge	72	1	He	97.15647203	657886.750
Ge	72	2	H2	100.4622571	1822238.167
In	115	1	He	96.74022558	7051775.687
Tb	159	1	He	100.3961933	16256371.843
Ir	193	1	He	99.05645027	7743462.590

Sample Name	10606565003_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	100SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:10:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.050970	4.7	4973.327
Be	9	2	H2	0.247320	2.7	177.333
B	11	2	H2	2.068631	18.9	4634.000
Na	23	1	He	314.635773	0.2	640237.320
Mg	24	1	He	3146.561115	0.3	3460114.220
Al	27	1	He	6108.118695	0.5	3634245.917
Si	28	2	H2	983.042622	4.1	4628207.833
K	39	1	He	923.091192	0.7	1643742.423
Ca	43	1	He	3993.618962	1.4	20075.790
Ca	44	1	He	4122.222237	0.8	347007.600
Ti	47	1	He	850.636011	1.0	458788.177
V	51	1	He	40.736522	0.6	517987.157
Cr	52	1	He	11.723839	1.6	179412.670
Mn	55	1	He	146.952054	0.4	1694334.127
Fe	56	1	He	14104.30627	0.8	196703909.333
Co	59	1	He	6.893510	1.1	151590.287
Ni	60	1	He	11.597438	0.8	63269.717
Cu	63	1	He	9.567171	0.8	132935.280
Zn	66	1	He	76.406525	0.7	218515.373
As	75	1	He	1.696633	2.2	4248.343
Se	78	2	H2	0.233434	2.5	294.333
Sr	88	1	He	25.569950	2.1	500614.160
Mo	95	1	He	0.238604	5.5	2091.810
Pd	105	1	He	0.030770	6.7	420.013
Ag	107	1	He	0.069428	8.4	2633.563
Cd	111	1	He	0.378052	8.7	1794.487
Sn	118	1	He	2.398047	2.5	30009.667
Sb	121	1	He	0.089305	3.6	1545.087
Ba	138	1	He	81.840981	1.3	3346760.990
Pt	195	1	He	0.004945	91.0	170.003
Hg	202	1	He	0.027671	14.3	293.343
Tl	205	1	He	0.150764	4.9	9179.387
Pb	206	1	He	6.850791	1.4	129456.797
Pb	207	1	He	6.879299	2.2	109473.297
Pb	208	1	He	6.814856	2.4	508838.307
Bi	209	1	He	0.084332	3.5	6604.820
Th	232	1	He	2.383309	1.3	197038.453
U	238	1	He	0.659914	2.2	55879.453

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.82688704	1091733.790
Sc	45	2	H2	101.4706825	6800739.333
Ge	72	1	He	97.73219221	661785.190
Ge	72	2	H2	100.7740472	1827893.583
In	115	1	He	97.10901900	7078658.490
Tb	159	1	He	101.2403101	16393053.090
Ir	193	1	He	99.17409914	7752659.463

Sample Name	10606565004_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	101SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:14:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.847389	7.1	4739.937
Be	9	2	H2	0.228791	5.6	162.333
B	11	2	H2	1.904581	16.3	4447.273
Na	23	1	He	336.037399	0.7	667327.260
Mg	24	1	He	2824.977399	0.8	3037447.767
Al	27	1	He	6354.316311	0.8	3696312.667
Si	28	2	H2	922.424160	6.3	4281698.333
K	39	1	He	1090.272053	1.0	1874382.057
Ca	43	1	He	7862.883291	0.7	38630.480
Ca	44	1	He	8070.583424	0.6	664024.523
Ti	47	1	He	828.670732	0.4	436987.927
V	51	1	He	39.471285	0.7	490647.423
Cr	52	1	He	11.768978	0.5	176067.847
Mn	55	1	He	151.481161	0.7	1707517.503
Fe	56	1	He	13951.13740	1.0	190212677.333
Co	59	1	He	7.254106	0.5	155935.373
Ni	60	1	He	10.358313	0.8	55337.777
Cu	63	1	He	11.801512	1.1	160234.980
Zn	66	1	He	76.084775	1.5	212712.407
As	75	1	He	1.988406	0.6	4820.150
Se	78	2	H2	0.256026	1.8	317.667
Sr	88	1	He	29.778443	0.8	575261.863
Mo	95	1	He	0.235684	5.7	2020.140
Pd	105	1	He	0.033657	8.4	450.013
Ag	107	1	He	0.058793	24.3	2336.850
Cd	111	1	He	0.478626	3.2	2241.230
Sn	118	1	He	1.558248	0.5	19302.670
Sb	121	1	He	0.068522	6.0	1191.720
Ba	138	1	He	81.216332	1.5	3244456.517
Pt	195	1	He	0.001400	196.9	113.333
Hg	202	1	He	0.044145	18.6	410.013
Tl	205	1	He	0.193698	7.9	11297.407
Pb	206	1	He	6.660130	1.0	122954.537
Pb	207	1	He	6.689059	3.9	104007.297
Pb	208	1	He	6.622396	2.1	483078.133
Bi	209	1	He	0.055418	3.3	4797.480
Th	232	1	He	2.508163	2.2	202870.003
U	238	1	He	0.728969	1.8	60382.857

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.60361988	1067419.540
Sc	45	2	H2	100.0488498	6705445.667
Ge	72	1	He	95.55086562	647014.523
Ge	72	2	H2	99.69769241	1808370.083
In	115	1	He	95.82818916	6985293.763
Tb	159	1	He	98.90743307	16015308.510
Ir	193	1	He	97.03976257	7585813.637

Sample Name	10606565005_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	102SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:17:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.488257	4.2	4566.223
Be	9	2	H2	0.213779	9.4	156.167
B	11	2	H2	0.998318	10.8	3893.813
Na	23	1	He	316.595837	1.4	655119.483
Mg	24	1	He	2736.512777	0.7	3061089.223
Al	27	1	He	6207.762989	0.4	3756590.417
Si	28	2	H2	935.389167	3.9	4453081.583
K	39	1	He	877.318331	1.3	1595580.760
Ca	43	1	He	3236.899803	2.2	16551.000
Ca	44	1	He	3324.921032	0.7	284698.307
Ti	47	1	He	793.801292	0.8	435446.930
V	51	1	He	36.673538	1.5	474101.000
Cr	52	1	He	11.047632	1.2	171973.073
Mn	55	1	He	177.301749	0.5	2078941.043
Fe	56	1	He	13175.14304	0.8	186876736.000
Co	59	1	He	5.773597	0.7	128311.430
Ni	60	1	He	10.172879	0.6	56192.403
Cu	63	1	He	9.936091	1.1	139495.817
Zn	66	1	He	68.022701	0.6	196602.320
As	75	1	He	1.805932	1.3	4550.747
Se	78	2	H2	0.211061	5.6	271.333
Sr	88	1	He	23.795506	3.3	472496.737
Mo	95	1	He	0.208474	8.6	1850.123
Pd	105	1	He	0.032166	16.4	443.347
Ag	107	1	He	0.072719	5.8	2753.577
Cd	111	1	He	0.242997	5.1	1171.167
Sn	118	1	He	1.272815	3.5	16237.850
Sb	121	1	He	0.069359	9.4	1238.390
Ba	138	1	He	85.203222	0.8	3485451.093
Pt	195	1	He	0.001444	129.0	116.667
Hg	202	1	He	0.034125	41.6	343.347
Tl	205	1	He	0.082966	3.8	5410.970
Pb	206	1	He	5.855654	3.1	110701.093
Pb	207	1	He	6.002113	3.8	95670.627
Pb	208	1	He	5.884125	2.2	439668.643
Bi	209	1	He	0.049185	3.4	4547.400
Th	232	1	He	2.024733	0.9	167810.650
U	238	1	He	0.659814	2.2	56006.690

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.5320543	1110381.960
Sc	45	2	H2	102.6352602	6878791.333
Ge	72	1	He	98.76207599	668758.960
Ge	72	2	H2	102.1067533	1852066.920
In	115	1	He	98.50548772	7180452.590
Tb	159	1	He	101.2801441	16399503.090
Ir	193	1	He	99.41782916	7771712.380

Sample Name	10606565006_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	103SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:21:17
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.447629	4.3	4527.377
Be	9	2	H2	0.239753	5.4	174.000
B	11	2	H2	1.809104	20.3	4487.303
Na	23	1	He	335.906533	0.8	689904.780
Mg	24	1	He	3002.919539	0.8	3339084.223
Al	27	1	He	6191.019926	1.0	3724600.417
Si	28	2	H2	958.349137	4.6	4556494.750
K	39	1	He	882.276417	0.7	1594474.973
Ca	43	1	He	3116.456589	1.4	15842.307
Ca	44	1	He	3177.405482	0.9	270487.677
Ti	47	1	He	928.797565	1.2	506538.293
V	51	1	He	48.453258	0.9	623317.663
Cr	52	1	He	11.894760	0.9	184031.113
Mn	55	1	He	230.500382	0.8	2686671.917
Fe	56	1	He	14673.12804	0.3	206906400.000
Co	59	1	He	6.066042	0.8	134223.543
Ni	60	1	He	11.200693	0.7	61509.593
Cu	63	1	He	12.608015	0.2	176148.600
Zn	66	1	He	73.578458	0.3	211717.643
As	75	1	He	3.241618	1.5	7912.257
Se	78	2	H2	0.187290	2.9	243.000
Sr	88	1	He	24.244155	0.7	479961.543
Mo	95	1	He	0.197755	6.8	1746.770
Pd	105	1	He	0.035156	12.7	480.020
Ag	107	1	He	0.058212	3.1	2380.197
Cd	111	1	He	0.238822	12.1	1147.857
Sn	118	1	He	1.294370	0.5	16459.683
Sb	121	1	He	0.104102	1.8	1805.113
Ba	138	1	He	84.978071	1.0	3465085.053
Pt	195	1	He	0.002999	98.4	140.003
Hg	202	1	He	0.016486	40.1	206.673
Tl	205	1	He	0.076275	3.6	5022.517
Pb	206	1	He	9.767407	3.2	184013.567
Pb	207	1	He	10.231272	1.3	161856.253
Pb	208	1	He	9.899113	2.6	736419.230
Bi	209	1	He	0.059514	15.0	5137.623
Th	232	1	He	1.984343	1.5	163708.413
U	238	1	He	0.585892	0.6	49516.657

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.9382806	1103888.290
Sc	45	2	H2	102.5016344	6869835.500
Ge	72	1	He	98.33421364	665861.727
Ge	72	2	H2	102.1137616	1852194.040
In	115	1	He	98.19374752	7157728.620
Tb	159	1	He	100.9553173	16346906.423
Ir	193	1	He	98.96717358	7736483.633

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	104_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:24:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	80.869098	6.3	62244.150
Be	9	2	H2	80.676676	5.4	52899.650
B	11	2	H2	77.719246	5.1	56505.980
Na	23	1	He	2035.192408	1.2	3944982.130
Mg	24	1	He	2027.514464	1.7	2176843.977
Al	27	1	He	1987.848056	0.4	1154346.293
Si	28	2	H2	1018.201144	6.1	4548535.000
K	39	1	He	2049.505316	0.9	3402171.823
Ca	43	1	He	2040.634589	2.9	10014.040
Ca	44	1	He	2031.166080	1.3	166934.500
Ti	47	1	He	77.621267	0.8	40856.247
V	51	1	He	82.830653	0.9	1029596.620
Cr	52	1	He	83.280284	0.2	1240104.920
Mn	55	1	He	84.098984	0.7	946611.060
Fe	56	1	He	1047.450169	1.5	14270321.667
Co	59	1	He	84.014972	1.2	1835680.710
Ni	60	1	He	84.610335	0.7	453367.407
Cu	63	1	He	86.834492	0.7	1197048.207
Zn	66	1	He	81.970707	0.4	233077.673
As	75	1	He	79.682246	0.4	185683.880
Se	78	2	H2	79.895843	1.2	91670.587
Sr	88	1	He	77.163786	1.3	1499440.343
Mo	95	1	He	82.738234	0.3	712521.523
Pd	105	1	He	80.953635	0.8	1003983.710
Ag	107	1	He	41.117148	4.6	1016955.143
Cd	111	1	He	79.775471	1.8	375295.353
Sn	118	1	He	79.461866	0.6	981721.623
Sb	121	1	He	76.108200	0.5	1226696.493
Ba	138	1	He	80.432930	0.4	3231347.347
Pt	195	1	He	80.493292	2.1	1203326.027
Hg	202	1	He	3.601602	3.5	27233.420
Tl	205	1	He	39.505961	0.6	2158574.710
Pb	206	1	He	81.098848	1.1	1504518.210
Pb	207	1	He	84.521295	0.9	1310173.157
Pb	208	1	He	82.096769	0.3	6007769.963
Bi	209	1	He	84.457490	0.3	4863774.823
Th	232	1	He	79.045433	1.2	6461549.487
U	238	1	He	76.938936	0.9	6433574.073

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.41612115	1065369.003
Sc	45	2	H2	96.31544302	6455226.333
Ge	72	1	He	97.18312821	658067.250
Ge	72	2	H2	97.72396172	1772569.500
In	115	1	He	96.42112884	7028515.470
Tb	159	1	He	99.46344343	16105338.927
Ir	193	1	He	98.09556710	7668348.220

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	105_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:28:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.061189	13.8	114.333
Be	9	2	H2	0.013715	74.8	15.333
B	11	2	H2	0.738822	25.7	3503.723
Na	23	1	He	4.264544	8.4	25372.413
Mg	24	1	He	-2.553447		761.690
Al	27	1	He	0.319568	9.8	428.010
Si	28	2	H2	-0.346124		10819.260
K	39	1	He	4.956804	8.4	135852.770
Ca	43	1	He	-0.204344		9.363
Ca	44	1	He	0.844501	28.4	249.750
Ti	47	1	He	0.033758	62.9	20.667
V	51	1	He	0.041721	51.4	-1234.990
Cr	52	1	He	-0.002679		517.343
Mn	55	1	He	-0.059766		271.333
Fe	56	1	He	0.185730	18.1	19527.213
Co	59	1	He	0.001958	46.8	145.333
Ni	60	1	He	-0.126296		209.333
Cu	63	1	He	0.012431	13.4	486.677
Zn	66	1	He	0.009274	66.7	251.333
As	75	1	He	-0.022675		218.667
Se	78	2	H2	0.002262	120.2	20.333
Sr	88	1	He	0.005060	36.5	328.343
Mo	95	1	He	0.007830	18.9	90.000
Pd	105	1	He	0.010434	31.1	166.673
Ag	107	1	He	0.200999	12.3	5927.743
Cd	111	1	He	0.007389	30.4	38.307
Sn	118	1	He	0.026156	39.6	501.683
Sb	121	1	He	0.004764	14.9	173.333
Ba	138	1	He	0.011968	15.9	641.683
Pt	195	1	He	0.005089	70.7	170.003
Hg	202	1	He	0.029515	13.3	303.343
Tl	205	1	He	0.040463	26.8	3003.650
Pb	206	1	He	0.008865	12.8	263.337
Pb	207	1	He	0.001966	555.0	1028.377
Pb	208	1	He	0.007224	31.8	1841.730
Bi	209	1	He	-0.000429		1616.777
Th	232	1	He	0.006243	15.2	580.020
U	238	1	He	0.003467	18.5	388.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.74213298	1047061.817
Sc	45	2	H2	97.15289298	6511353.667
Ge	72	1	He	95.25981959	645043.730
Ge	72	2	H2	98.15991644	1780477.080
In	115	1	He	97.41232558	7100767.700
Tb	159	1	He	99.83547653	16165579.343
Ir	193	1	He	100.3137969	7841752.173

Sample Name	4322471_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	106SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:32:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.052443	42.7	108.833
Be	9	2	H2	0.020378	19.2	20.000
B	11	2	H2	0.619538	35.7	3457.053
Na	23	1	He	9.176881	3.1	35053.093
Mg	24	1	He	0.068096	146.6	3560.380
Al	27	1	He	5.026161	2.7	3145.937
Si	28	2	H2	1.022263	18.6	17131.990
K	39	1	He	5.099828	34.7	137498.423
Ca	43	1	He	10.374798	11.3	60.980
Ca	44	1	He	7.957363	5.1	832.070
Ti	47	1	He	0.062658	17.4	36.000
V	51	1	He	-3.386103		-44141.097
Cr	52	1	He	0.725473	1.2	11286.197
Mn	55	1	He	0.021700	19.2	1184.043
Fe	56	1	He	5.897904	1.5	96926.117
Co	59	1	He	0.005958	9.7	228.000
Ni	60	1	He	-0.084317		424.010
Cu	63	1	He	0.060948	6.9	1126.707
Zn	66	1	He	0.610067	3.1	1898.107
As	75	1	He	-0.022064		217.167
Se	78	2	H2	0.010589	24.1	30.000
Sr	88	1	He	0.018923	7.8	601.683
Mo	95	1	He	0.016779	12.7	163.333
Pd	105	1	He	0.003541	118.8	80.000
Ag	107	1	He	0.044439	13.2	2020.140
Cd	111	1	He	0.011590	43.9	58.280
Sn	118	1	He	1.142368	2.4	14456.207
Sb	121	1	He	0.006070	13.7	195.000
Ba	138	1	He	0.066458	3.5	2831.933
Pt	195	1	He	0.012051	13.1	273.343
Hg	202	1	He	0.013778	65.4	183.340
Tl	205	1	He	0.007071	19.9	1170.057
Pb	206	1	He	0.083815	6.1	1655.100
Pb	207	1	He	0.074949	5.7	2158.503
Pb	208	1	He	0.081735	2.5	7295.683
Bi	209	1	He	0.006799	43.0	2026.843
Th	232	1	He	0.004667	15.5	446.680
U	238	1	He	0.001215	25.6	195.000

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.75243814	1058110.787
Sc	45	2	H2	98.07168721	6572932.833
Ge	72	1	He	93.98449473	636407.977
Ge	72	2	H2	98.39660185	1784770.207
In	115	1	He	97.58796973	7113571.093
Tb	159	1	He	99.57831598	16123939.343
Ir	193	1	He	99.85913580	7806210.300

Sample Name	4322472_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	107SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:35:42
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.579686	4.8	83657.600
Be	9	2	H2	107.885263	4.1	72159.697
B	11	2	H2	106.634309	3.6	77952.617
Na	23	1	He	2218.306234	0.6	4297827.123
Mg	24	1	He	2180.940835	0.9	2341050.280
Al	27	1	He	2137.676109	0.3	1241148.833
Si	28	2	H2	546.063901	5.1	2494239.417
K	39	1	He	2218.459452	0.7	3671421.510
Ca	43	1	He	2204.335550	0.9	10815.643
Ca	44	1	He	2177.953932	1.1	178965.347
Ti	47	1	He	102.374508	0.5	53877.143
V	51	1	He	109.517721	0.6	1361715.407
Cr	52	1	He	111.780638	0.3	1664053.337
Mn	55	1	He	111.049106	0.4	1249493.457
Fe	56	1	He	2251.130131	0.7	30645686.667
Co	59	1	He	114.161766	0.7	2505110.583
Ni	60	1	He	114.888237	1.6	617903.520
Cu	63	1	He	114.411263	0.3	1583896.667
Zn	66	1	He	111.197667	0.9	317454.790
As	75	1	He	107.614606	1.0	251749.907
Se	78	2	H2	107.152578	1.0	123945.130
Sr	88	1	He	106.004886	1.0	2035223.353
Mo	95	1	He	108.884099	1.2	941657.043
Pd	105	1	He	21.810827	0.6	267298.730
Ag	107	1	He	49.671428	3.2	1213912.793
Cd	111	1	He	106.714336	0.6	496072.407
Sn	118	1	He	103.770649	0.7	1266691.723
Sb	121	1	He	101.221241	0.7	1611911.277
Ba	138	1	He	109.560815	0.0	4332672.333
Pt	195	1	He	21.456214	0.5	315834.937
Hg	202	1	He	0.019120	53.9	220.007
Tl	205	1	He	111.800559	0.9	6011614.703
Pb	206	1	He	111.894753	0.6	2043344.450
Pb	207	1	He	112.232717	1.4	1712163.623
Pb	208	1	He	111.501226	0.8	8031334.783
Bi	209	1	He	113.014343	1.1	6406133.237
Th	232	1	He	112.225368	1.4	8918811.327
U	238	1	He	106.018371	1.1	8618174.873

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.40190576	1065213.540
Sc	45	2	H2	98.23949351	6584179.500
Ge	72	1	He	97.60065544	660894.500
Ge	72	2	H2	98.51638385	1786942.877
In	115	1	He	95.26704142	6944389.497
Tb	159	1	He	97.90716613	15853343.093
Ir	193	1	He	95.36404737	7454819.260

Sample Name	10607436003_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	108SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:39:17
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.784054	4.5	2114.783
Be	9	2	H2	0.056435	24.6	41.667
B	11	2	H2	22.649274	4.4	17785.437
Na	23	1	He	24577.21884	0.7	46670970.970
Mg	24	1	He	24242.25000	0.3	25565818.787
Al	27	1	He	305.653363	0.9	174799.257
Si	28	2	H2	3669.491933	6.9	15690205.000
K	39	1	He	8404.360055	0.6	13325956.883
Ca	43	1	He	141179.7172	0.2	680843.713
Ca	44	1	He	141427.0150	0.7	11421738.103
Ti	47	1	He	0.148465	15.2	80.000
V	51	1	He	1.459119	9.3	16118.937
Cr	52	1	He	0.751679	2.8	11562.383
Mn	55	1	He	26.729910	0.6	296595.937
Fe	56	1	He	11.004155	1.0	164353.217
Co	59	1	He	0.717496	0.9	15076.330
Ni	60	1	He	1.854062	0.9	10322.313
Cu	63	1	He	5.419151	1.6	71651.753
Zn	66	1	He	121.497548	1.5	329890.290
As	75	1	He	1.926618	1.9	4545.750
Se	78	2	H2	0.468053	4.2	528.677
Sr	88	1	He	383.747937	0.3	7196331.767
Mo	95	1	He	1.746957	3.0	14391.017
Pd	105	1	He	0.063422	5.1	793.370
Ag	107	1	He	0.225722	18.4	6254.540
Cd	111	1	He	0.042790	6.4	197.350
Sn	118	1	He	5.854484	1.7	69960.183
Sb	121	1	He	0.353284	5.4	5587.640
Ba	138	1	He	132.192863	1.9	5137902.007
Pt	195	1	He	0.009496	65.1	226.673
Hg	202	1	He	0.017314	19.1	203.337
Tl	205	1	He	0.069867	2.4	4448.997
Pb	206	1	He	2.535566	2.3	45606.503
Pb	207	1	He	2.559499	1.6	39320.070
Pb	208	1	He	2.522508	0.7	179828.073
Bi	209	1	He	0.052519	12.1	4507.407
Th	232	1	He	0.026228	2.6	2116.830
U	238	1	He	0.036542	4.6	3025.323

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.82649660	1047984.440
Sc	45	2	H2	92.24375780	6182335.000
Ge	72	1	He	92.84356276	628682.253
Ge	72	2	H2	93.16060383	1689796.873
In	115	1	He	93.05732392	6783314.493
Tb	159	1	He	96.23705593	15582915.187
Ir	193	1	He	94.33519727	7374391.763

Sample Name	4323804_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	109SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:42:52
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.734190	2.6	59852.827
Be	9	2	H2	82.076917	2.8	50597.160
B	11	2	H2	99.593332	1.5	67267.900
Na	23	1	He	26358.58902	0.8	48750280.937
Mg	24	1	He	25894.72316	1.2	26596940.437
Al	27	1	He	2299.648744	0.8	1279369.997
Si	28	2	H2	4613.011696	4.4	19338946.667
K	39	1	He	10309.85862	1.2	15893412.260
Ca	43	1	He	141086.3187	0.4	662694.540
Ca	44	1	He	141040.6097	1.2	11093768.540
Ti	47	1	He	78.678103	0.7	39676.997
V	51	1	He	86.926596	0.4	1035326.023
Cr	52	1	He	84.690982	0.5	1208233.583
Mn	55	1	He	108.361541	1.0	1168306.127
Fe	56	1	He	1042.380190	1.0	13606118.000
Co	59	1	He	83.947079	0.9	1720012.373
Ni	60	1	He	84.651824	0.6	425349.097
Cu	63	1	He	88.472927	0.5	1143743.337
Zn	66	1	He	200.939237	0.4	535467.627
As	75	1	He	85.270353	0.1	186319.363
Se	78	2	H2	83.245386	0.8	89809.787
Sr	88	1	He	466.559826	1.3	8330419.047
Mo	95	1	He	86.506687	0.7	698572.070
Pd	105	1	He	78.977397	1.5	900168.817
Ag	107	1	He	40.562971	3.2	922239.463
Cd	111	1	He	81.374254	0.5	351831.907
Sn	118	1	He	86.687771	0.4	984219.230
Sb	121	1	He	80.053448	0.7	1185755.893
Ba	138	1	He	209.380416	1.0	7993505.927
Pt	195	1	He	80.156468	1.2	1138818.917
Hg	202	1	He	0.018770	23.1	210.010
Tl	205	1	He	40.721386	0.7	2114511.477
Pb	206	1	He	84.544188	0.4	1490684.610
Pb	207	1	He	84.474552	0.7	1244501.493
Pb	208	1	He	83.590605	0.2	5813464.077
Bi	209	1	He	80.469266	1.1	4403763.373
Th	232	1	He	80.961994	0.8	6262316.577
U	238	1	He	82.096590	0.5	6495317.193

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.33437024	1020729.873
Sc	45	2	H2	90.53520960	6067825.167
Ge	72	1	He	91.13236787	617095.043
Ge	72	2	H2	91.88533785	1666665.417
In	115	1	He	88.60733644	6458937.397
Tb	159	1	He	94.52737162	15306079.353
Ir	193	1	He	92.81579830	7255616.973

Sample Name	4323805_B70205Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	110SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:46:26
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.680415	6.7	591.177
Be	9	2	H2	0.030936	26.5	26.667
B	11	2	H2	5.881122	7.9	7038.120
Na	23	1	He	5292.538323	0.4	10053742.763
Mg	24	1	He	5309.213735	0.8	5595963.877
Al	27	1	He	66.351825	0.5	38099.903
Si	28	2	H2	812.116355	6.0	3640822.667
K	39	1	He	1810.032314	1.3	2967466.207
Ca	43	1	He	29911.31919	0.4	144108.170
Ca	44	1	He	30341.59411	1.4	2447866.153
Ti	47	1	He	0.044174	32.4	26.000
V	51	1	He	0.359545	6.6	2655.620
Cr	52	1	He	0.169792	3.6	3039.600
Mn	55	1	He	5.766942	0.7	64654.727
Fe	56	1	He	2.529927	0.6	50872.513
Co	59	1	He	0.152430	5.7	3331.650
Ni	60	1	He	0.296836	8.8	2400.837
Cu	63	1	He	1.195068	2.2	16284.057
Zn	66	1	He	26.651706	0.3	73630.643
As	75	1	He	0.394242	2.4	1156.873
Se	78	2	H2	0.107188	6.1	139.333
Sr	88	1	He	80.196373	0.6	1547975.757
Mo	95	1	He	0.371634	4.0	3126.983
Pd	105	1	He	0.020951	48.0	293.340
Ag	107	1	He	0.190376	18.7	5562.633
Cd	111	1	He	0.014086	19.4	69.060
Sn	118	1	He	1.374647	1.5	17040.310
Sb	121	1	He	0.077171	8.7	1330.060
Ba	138	1	He	27.603054	0.4	1101486.260
Pt	195	1	He	0.004108	23.4	153.333
Hg	202	1	He	0.013527	70.2	180.003
Tl	205	1	He	0.061111	22.4	4093.920
Pb	206	1	He	0.547244	4.5	10178.350
Pb	207	1	He	0.543527	3.3	9349.460
Pb	208	1	He	0.547301	1.1	41065.760
Bi	209	1	He	0.013237	22.9	2380.233
Th	232	1	He	0.009930	8.6	861.703
U	238	1	He	0.009072	7.0	841.697

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.72892342	1046917.353
Sc	45	2	H2	96.57033553	6472309.667
Ge	72	1	He	94.23010466	638071.103
Ge	72	2	H2	96.82960209	1756347.127
In	115	1	He	95.77523199	6981433.507
Tb	159	1	He	98.78606305	15995656.010
Ir	193	1	He	97.30521549	7606564.680

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	111_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:50:02
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	81.265811	5.3	61572.057
Be	9	2	H2	80.976264	4.8	52274.060
B	11	2	H2	79.594148	5.2	56910.670
Na	23	1	He	2065.033907	0.9	3869320.257
Mg	24	1	He	2041.942398	0.8	2119370.127
Al	27	1	He	1997.949106	0.4	1121559.583
Si	28	2	H2	1003.480800	4.9	4412981.667
K	39	1	He	2023.472200	0.2	3248725.157
Ca	43	1	He	2031.568435	1.5	9638.367
Ca	44	1	He	1988.705998	0.8	158007.373
Ti	47	1	He	77.479520	1.0	39424.470
V	51	1	He	82.601762	0.4	992567.620
Cr	52	1	He	83.356242	0.5	1199893.707
Mn	55	1	He	84.058316	0.8	914650.207
Fe	56	1	He	1041.027463	0.4	13710939.333
Co	59	1	He	83.903584	1.9	1764549.167
Ni	60	1	He	84.741169	1.3	437059.147
Cu	63	1	He	86.968272	1.5	1153951.580
Zn	66	1	He	82.454410	0.3	225675.330
As	75	1	He	79.949524	1.0	179326.830
Se	78	2	H2	78.563911	0.6	87925.470
Sr	88	1	He	76.390883	0.4	1440743.730
Mo	95	1	He	83.317592	0.8	690626.060
Pd	105	1	He	80.905617	0.6	973819.440
Ag	107	1	He	41.092888	3.3	986425.323
Cd	111	1	He	79.863633	1.5	364651.270
Sn	118	1	He	79.136280	1.3	948840.430
Sb	121	1	He	76.528365	1.4	1197066.910
Ba	138	1	He	79.428925	0.5	3111609.433
Pt	195	1	He	81.614025	1.7	1189747.013
Hg	202	1	He	3.632584	0.5	26782.633
Tl	205	1	He	40.209607	1.0	2142298.770
Pb	206	1	He	82.113057	1.3	1485429.667
Pb	207	1	He	86.130115	1.0	1301849.693
Pb	208	1	He	83.486722	1.0	5957204.107
Bi	209	1	He	84.683799	1.2	4755157.533
Th	232	1	He	78.648731	0.5	6365099.280
U	238	1	He	76.253630	1.0	6312338.657

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.17105862	1029880.123
Sc	45	2	H2	94.82770385	6355515.500
Ge	72	1	He	93.54583749	633437.647
Ge	72	2	H2	95.31684210	1728907.877
In	115	1	He	93.57828066	6821289.080
Tb	159	1	He	96.98787434	15704489.350
Ir	193	1	He	97.11289704	7591530.720

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	112_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:53:38
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.066993	23.6	119.833
Be	9	2	H2	0.037296	27.0	31.333
B	11	2	H2	1.088270	38.8	3783.810
Na	23	1	He	4.192190	4.3	25257.270
Mg	24	1	He	-2.272696		1058.377
Al	27	1	He	0.284992	3.9	408.677
Si	28	2	H2	-0.118129		11950.020
K	39	1	He	7.679903	11.8	140242.410
Ca	43	1	He	1.982858	36.1	19.937
Ca	44	1	He	2.179626	24.2	357.623
Ti	47	1	He	0.011875	19.3	9.333
V	51	1	He	-0.005030		-1806.207
Cr	52	1	He	-0.000514		549.343
Mn	55	1	He	-0.058223		288.667
Fe	56	1	He	-0.034306		16598.297
Co	59	1	He	0.001867	54.8	142.000
Ni	60	1	He	-0.123842		220.000
Cu	63	1	He	0.015590	17.8	524.010
Zn	66	1	He	0.015769	59.5	266.667
As	75	1	He	-0.007089		251.667
Se	78	2	H2	0.008932	53.8	28.000
Sr	88	1	He	0.012050	51.0	461.680
Mo	95	1	He	0.009139	22.5	100.000
Pd	105	1	He	0.008150	35.1	136.667
Ag	107	1	He	0.205778	13.7	5994.427
Cd	111	1	He	0.008167	59.1	41.633
Sn	118	1	He	0.048462	20.7	773.360
Sb	121	1	He	0.010013	8.9	256.670
Ba	138	1	He	0.013394	6.6	693.353
Pt	195	1	He	0.007918	59.9	210.007
Hg	202	1	He	0.031693	24.3	316.677
Tl	205	1	He	0.041641	20.4	3040.323
Pb	206	1	He	0.009541	6.7	273.343
Pb	207	1	He	0.010332	40.8	1148.387
Pb	208	1	He	0.008163	5.8	1893.407
Bi	209	1	He	0.004224	70.9	1866.820
Th	232	1	He	0.008618	11.3	761.693
U	238	1	He	0.004926	16.3	501.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.82040067	1047917.773
Sc	45	2	H2	97.98557830	6567161.667
Ge	72	1	He	94.31262361	638629.873
Ge	72	2	H2	98.21983969	1781564.000
In	115	1	He	96.60085303	7041616.273
Tb	159	1	He	98.92471760	16018107.260
Ir	193	1	He	98.10776239	7669301.553

Sample Name	4322473_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	113SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:57:14
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	108.684183	4.5	77934.423
Be	9	2	H2	108.304916	4.0	66179.530
B	11	2	H2	129.035386	6.5	85643.630
Na	23	1	He	27124.57797	1.3	50113469.253
Mg	24	1	He	26758.63710	1.4	27455367.090
Al	27	1	He	2434.868885	1.3	1353150.997
Si	28	2	H2	4246.245109	6.4	17650146.000
K	39	1	He	10712.33188	1.6	16491824.340
Ca	43	1	He	144538.3326	1.0	678199.500
Ca	44	1	He	144774.0656	0.7	11375880.473
Ti	47	1	He	103.966597	1.2	52375.007
V	51	1	He	113.991924	0.9	1356791.017
Cr	52	1	He	110.625117	1.3	1576356.667
Mn	55	1	He	133.730400	1.2	1440121.833
Fe	56	1	He	2189.726579	1.3	28534392.667
Co	59	1	He	113.072929	0.5	2304690.917
Ni	60	1	He	112.824268	0.9	563641.333
Cu	63	1	He	114.371625	0.2	1470673.707
Zn	66	1	He	228.992464	0.1	607011.813
As	75	1	He	113.081009	0.6	245704.320
Se	78	2	H2	109.335367	1.7	116516.317
Sr	88	1	He	505.672209	0.4	9007928.410
Mo	95	1	He	115.975679	0.9	931609.827
Pd	105	1	He	20.954329	1.3	238282.457
Ag	107	1	He	48.870402	2.5	1108168.550
Cd	111	1	He	106.918393	0.1	461174.560
Sn	118	1	He	112.317614	1.0	1272131.283
Sb	121	1	He	105.532577	0.2	1559421.073
Ba	138	1	He	241.706132	1.7	8941410.493
Pt	195	1	He	21.694688	0.3	298778.457
Hg	202	1	He	0.033704	29.4	306.680
Tl	205	1	He	109.562118	1.7	5511155.127
Pb	206	1	He	112.824336	1.6	1927397.577
Pb	207	1	He	112.816554	1.2	1610107.267
Pb	208	1	He	112.960086	1.2	7611700.720
Bi	209	1	He	110.988660	1.5	5885414.703
Th	232	1	He	111.896766	1.3	8418802.790
U	238	1	He	109.797613	0.5	8449836.537

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.24077892	1019706.333
Sc	45	2	H2	89.74710684	6015005.167
Ge	72	1	He	90.65534101	613864.897
Ge	72	2	H2	90.77221727	1646475.040
In	115	1	He	88.39784640	6443666.843
Tb	159	1	He	91.60139590	14832298.947
Ir	193	1	He	90.28335569	7057650.313

Sample Name	4322474_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	114SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:00:50
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	107.929902	3.7	77484.880
Be	9	2	H2	107.446440	2.5	65719.893
B	11	2	H2	126.315543	3.8	83958.850
Na	23	1	He	26970.93153	0.6	49837325.923
Mg	24	1	He	26583.67480	0.4	27280038.757
Al	27	1	He	2404.288071	0.7	1336333.917
Si	28	2	H2	4216.275305	5.5	17546397.333
K	39	1	He	10618.03510	0.6	16350027.260
Ca	43	1	He	143472.2299	0.8	673257.933
Ca	44	1	He	143634.1322	0.3	11287539.567
Ti	47	1	He	102.225199	2.4	51499.633
V	51	1	He	112.282464	0.6	1336564.810
Cr	52	1	He	109.057645	0.4	1554249.167
Mn	55	1	He	132.387069	0.2	1425853.497
Fe	56	1	He	2161.534754	0.4	28170984.000
Co	59	1	He	111.142070	0.7	2269331.333
Ni	60	1	He	111.430718	1.0	557690.523
Cu	63	1	He	112.981156	1.0	1455353.123
Zn	66	1	He	225.986092	1.0	600094.460
As	75	1	He	111.035914	0.8	241692.473
Se	78	2	H2	109.733471	0.3	116875.647
Sr	88	1	He	496.066601	0.3	8851344.450
Mo	95	1	He	114.239806	0.6	919323.347
Pd	105	1	He	20.445468	1.6	232868.397
Ag	107	1	He	48.489989	2.8	1101265.243
Cd	111	1	He	105.993808	1.2	457923.730
Sn	118	1	He	111.016887	0.1	1259478.497
Sb	121	1	He	103.767787	0.9	1535877.057
Ba	138	1	He	234.905677	0.1	8800623.200
Pt	195	1	He	21.276865	0.5	296714.007
Hg	202	1	He	0.025443	55.6	253.340
Tl	205	1	He	106.904154	0.7	5446165.960
Pb	206	1	He	109.362050	0.7	1892084.297
Pb	207	1	He	110.776022	0.0	1601093.937
Pb	208	1	He	110.464376	0.2	7538215.360
Bi	209	1	He	107.505897	0.8	5773090.327
Th	232	1	He	108.232346	0.8	8192121.547
U	238	1	He	108.247272	1.2	8380557.587

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.24630914	1019766.813
Sc	45	2	H2	89.83685636	6021020.333
Ge	72	1	He	90.81683459	614958.437
Ge	72	2	H2	90.71520697	1645440.957
In	115	1	He	88.54422849	6454337.210
Tb	159	1	He	92.75557936	15019186.863
Ir	193	1	He	90.82537471	7100021.143

Sample Name	10607436003_B70205Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	115SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:04:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.207885	21.0	228.000
Be	9	2	H2	0.048452	22.9	38.333
B	11	2	H2	2.371975	26.8	4634.003
Na	23	1	He	1251.040337	1.0	2389011.213
Mg	24	1	He	1243.173704	1.4	1312607.923
Al	27	1	He	16.736461	0.7	9791.260
Si	28	2	H2	189.924848	6.0	864414.103
K	39	1	He	435.210797	0.7	810577.590
Ca	43	1	He	6931.771074	0.5	33394.870
Ca	44	1	He	7136.230460	0.8	575733.890
Ti	47	1	He	0.023501	34.4	15.333
V	51	1	He	0.103007	31.2	-484.440
Cr	52	1	He	0.046761	5.5	1240.050
Mn	55	1	He	1.299646	0.3	15288.487
Fe	56	1	He	0.876843	4.8	28757.463
Co	59	1	He	0.039843	11.5	948.693
Ni	60	1	He	-0.019015		765.353
Cu	63	1	He	0.297797	5.7	4305.197
Zn	66	1	He	6.194335	1.0	17326.373
As	75	1	He	0.095409	11.3	483.843
Se	78	2	H2	0.031901	26.6	54.333
Sr	88	1	He	18.265777	0.9	354856.517
Mo	95	1	He	0.091922	11.5	793.360
Pd	105	1	He	0.004940	76.9	96.667
Ag	107	1	He	0.207036	17.6	6014.453
Cd	111	1	He	0.011326	11.3	56.427
Sn	118	1	He	0.463919	1.5	5899.403
Sb	121	1	He	0.023316	14.2	470.010
Ba	138	1	He	6.464198	0.4	257382.367
Pt	195	1	He	0.005275	68.7	170.003
Hg	202	1	He	0.013112	31.7	176.673
Tl	205	1	He	0.028795	12.5	2333.533
Pb	206	1	He	0.135431	3.5	2585.237
Pb	207	1	He	0.141658	9.8	3158.677
Pb	208	1	He	0.139773	3.1	11423.300
Bi	209	1	He	0.010899	24.1	2240.207
Th	232	1	He	0.013256	4.4	1138.387
U	238	1	He	0.007550	18.6	720.027

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.70108790	1046612.937
Sc	45	2	H2	97.00555516	6501478.833
Ge	72	1	He	94.46186322	639640.437
Ge	72	2	H2	97.81640542	1774246.293
In	115	1	He	96.34819228	7023198.837
Tb	159	1	He	98.51978804	15952540.177
Ir	193	1	He	97.86178575	7650073.013

Sample Name	4323804_B70205Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	116SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:08:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	87.828096	4.5	64963.983
Be	9	2	H2	87.458874	3.2	55107.360
B	11	2	H2	86.236725	3.4	59939.907
Na	23	1	He	3505.327009	5.2	6253270.740
Mg	24	1	He	3497.262398	4.8	3460164.113
Al	27	1	He	2220.245870	3.8	1189186.043
Si	28	2	H2	1300.011936	4.9	5578126.667
K	39	1	He	2662.737596	4.9	4040090.253
Ca	43	1	He	9417.713252	3.7	42597.623
Ca	44	1	He	9651.019731	3.8	731001.683
Ti	47	1	He	83.821100	5.8	40673.163
V	51	1	He	89.888440	3.8	1030750.753
Cr	52	1	He	90.912198	3.9	1248562.750
Mn	55	1	He	91.048104	4.0	945171.937
Fe	56	1	He	1146.252719	4.7	14399472.333
Co	59	1	He	90.436774	5.1	1826596.330
Ni	60	1	He	90.661337	4.1	449105.197
Cu	63	1	He	92.639520	4.0	1180816.127
Zn	66	1	He	95.533317	3.9	251143.287
As	75	1	He	87.093764	3.9	187642.860
Se	78	2	H2	84.798165	0.5	93030.207
Sr	88	1	He	103.075477	2.6	1853390.230
Mo	95	1	He	90.200992	3.9	718261.913
Pd	105	1	He	88.257608	2.4	1012896.390
Ag	107	1	He	44.183631	1.8	1011788.267
Cd	111	1	He	86.618152	2.7	377075.677
Sn	118	1	He	85.922034	3.7	982036.600
Sb	121	1	He	84.883237	1.9	1266137.170
Ba	138	1	He	92.999389	3.5	3510215.883
Pt	195	1	He	87.742136	4.1	1232248.653
Hg	202	1	He	0.006820	14.5	123.333
Tl	205	1	He	44.546686	3.7	2286594.237
Pb	206	1	He	89.689948	3.5	1563308.517
Pb	207	1	He	90.102615	3.2	1312243.813
Pb	208	1	He	89.155935	3.8	6129131.760
Bi	209	1	He	92.139725	4.3	4983958.053
Th	232	1	He	88.055802	3.7	6733186.567
U	238	1	He	86.847423	3.5	6793075.733

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	89.94975373	983714.793
Sc	45	2	H2	92.55069314	6202906.333
Ge	72	1	He	89.95715159	609137.167
Ge	72	2	H2	93.43442014	1694763.500
In	115	1	He	89.26516337	6506888.990
Tb	159	1	He	93.53204535	15144913.940
Ir	193	1	He	91.82663624	7178291.980

Sample Name	4323805_B70205Dx100
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	117SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:11:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.102968	25.9	144.667
Be	9	2	H2	0.039013	21.4	31.667
B	11	2	H2	1.007774	19.3	3633.743
Na	23	1	He	252.652055	0.2	490162.287
Mg	24	1	He	252.484924	0.9	266027.853
Al	27	1	He	4.369934	4.2	2704.203
Si	28	2	H2	38.994701	5.2	184628.260
K	39	1	He	94.317756	2.4	272549.350
Ca	43	1	He	1417.146057	1.2	6751.557
Ca	44	1	He	1460.152518	0.6	116495.967
Ti	47	1	He	0.016058	92.8	11.333
V	51	1	He	0.045922	173.0	-1168.990
Cr	52	1	He	0.030595	12.4	991.363
Mn	55	1	He	0.213331	2.5	3247.633
Fe	56	1	He	0.299460	2.4	20780.620
Co	59	1	He	0.010125	16.0	314.667
Ni	60	1	He	-0.095305		365.340
Cu	63	1	He	0.115582	3.4	1847.437
Zn	66	1	He	1.251900	3.1	3646.383
As	75	1	He	0.010503	68.7	289.167
Se	78	2	H2	0.010038	71.6	28.667
Sr	88	1	He	3.724136	2.0	71446.130
Mo	95	1	He	0.026931	17.4	246.670
Pd	105	1	He	0.005334	70.4	100.000
Ag	107	1	He	0.187420	22.1	5444.267
Cd	111	1	He	0.010113	47.0	49.923
Sn	118	1	He	0.199369	2.6	2595.217
Sb	121	1	He	0.010403	4.5	258.337
Ba	138	1	He	1.318100	2.4	52225.520
Pt	195	1	He	0.005343	20.6	170.000
Hg	202	1	He	0.007894	40.9	136.667
Tl	205	1	He	0.045986	19.6	3240.363
Pb	206	1	He	0.036069	21.4	755.027
Pb	207	1	He	0.031221	16.8	1453.420
Pb	208	1	He	0.034486	5.4	3766.870
Bi	209	1	He	0.003412	80.7	1800.143
Th	232	1	He	0.008143	8.1	718.357
U	238	1	He	0.004439	16.6	458.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.52483768	1033749.147
Sc	45	2	H2	95.60080153	6407329.833
Ge	72	1	He	93.59534659	633772.893
Ge	72	2	H2	96.08857165	1742905.920
In	115	1	He	94.91312720	6918591.297
Tb	159	1	He	97.81864627	15839009.763
Ir	193	1	He	97.48180737	7620369.260

Sample Name	10607436004_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	118SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:15:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.808999	3.6	2737.867
Be	9	2	H2	0.053948	20.1	38.167
B	11	2	H2	27.128251	8.0	19814.220
Na	23	1	He	41976.85281	0.5	75906505.537
Mg	24	1	He	40392.53735	1.1	40566484.397
Al	27	1	He	591.916164	0.5	322180.553
Si	28	2	H2	6273.567469	7.0	25586334.667
K	39	1	He	13617.05151	0.2	20488185.527
Ca	43	1	He	228230.5424	0.1	1048251.353
Ca	44	1	He	228856.0994	1.3	17601500.440
Ti	47	1	He	0.188401	16.6	96.000
V	51	1	He	2.568814	6.1	28310.630
Cr	52	1	He	0.980720	6.9	14208.933
Mn	55	1	He	46.530659	0.4	491072.227
Fe	56	1	He	10.793249	0.7	153848.650
Co	59	1	He	1.238757	0.8	24492.583
Ni	60	1	He	2.530018	1.6	12996.030
Cu	63	1	He	6.101134	0.9	76085.050
Zn	66	1	He	6.575195	2.0	17041.423
As	75	1	He	3.171392	1.4	6899.833
Se	78	2	H2	0.792425	2.8	841.353
Sr	88	1	He	637.522002	0.5	11302559.830
Mo	95	1	He	2.976430	1.9	23122.063
Pd	105	1	He	0.103234	13.2	1200.063
Ag	107	1	He	0.054770	6.9	2055.147
Cd	111	1	He	0.066024	10.4	286.407
Sn	118	1	He	0.111929	3.5	1420.073
Sb	121	1	He	0.579236	2.6	8605.587
Ba	138	1	He	216.963243	0.7	8195747.583
Pt	195	1	He	0.009402	47.6	220.007
Hg	202	1	He	0.023811	45.6	243.340
Tl	205	1	He	0.067429	5.0	4198.937
Pb	206	1	He	0.051086	3.8	983.377
Pb	207	1	He	0.038188	21.6	1491.750
Pb	208	1	He	0.046909	7.5	4456.937
Bi	209	1	He	0.007587	38.4	1946.830
Th	232	1	He	0.008257	7.6	683.353
U	238	1	He	0.041728	6.5	3340.387

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.26499284	998098.603
Sc	45	2	H2	88.06320488	5902147.167
Ge	72	1	He	87.60662696	593220.790
Ge	72	2	H2	88.71261047	1609116.790
In	115	1	He	87.97889193	6413127.603
Tb	159	1	He	93.52833989	15144313.943
Ir	193	1	He	91.57779460	7158839.477

Sample Name	10607436004_B70205Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	119SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:18:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.250966	4.6	256.000
Be	9	2	H2	0.023888	10.5	21.667
B	11	2	H2	1.490391	25.0	3950.490
Na	23	1	He	2151.100099	2.7	3936809.523
Mg	24	1	He	2110.222991	2.5	2139640.073
Al	27	1	He	31.130814	2.9	17304.040
Si	28	2	H2	336.611422	4.6	1493907.957
K	39	1	He	724.940277	2.8	1216031.673
Ca	43	1	He	11593.67671	3.0	53682.287
Ca	44	1	He	11907.26174	2.5	923378.877
Ti	47	1	He	0.035497	19.9	20.667
V	51	1	He	0.119343	59.7	-286.227
Cr	52	1	He	0.056098	10.0	1322.720
Mn	55	1	He	2.359446	2.6	25951.903
Fe	56	1	He	0.604996	7.5	24152.763
Co	59	1	He	0.064174	3.5	1406.727
Ni	60	1	He	0.014809	84.3	902.693
Cu	63	1	He	0.765807	3.5	10148.887
Zn	66	1	He	1.547918	5.3	4315.870
As	75	1	He	0.158296	6.2	601.010
Se	78	2	H2	0.044259	18.0	67.000
Sr	88	1	He	31.228692	2.2	581737.737
Mo	95	1	He	0.154942	8.7	1266.727
Pd	105	1	He	0.010653	45.3	160.003
Ag	107	1	He	0.018555	48.3	1298.397
Cd	111	1	He	0.004377	50.0	22.953
Sn	118	1	He	0.124654	12.8	1645.097
Sb	121	1	He	0.030083	10.0	555.017
Ba	138	1	He	10.942412	2.4	423424.357
Pt	195	1	He	0.003262	57.6	136.667
Hg	202	1	He	0.005882	117.5	120.003
Tl	205	1	He	0.000887	75.8	800.030
Pb	206	1	He	0.303554	5.8	5514.337
Pb	207	1	He	0.321387	6.8	5751.103
Pb	208	1	He	0.311492	0.9	23206.690
Bi	209	1	He	0.002420	99.4	1706.803
Th	232	1	He	0.001777	45.1	196.670
U	238	1	He	0.002562	12.1	295.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.03819035	1006554.500
Sc	45	2	H2	95.14989544	6377109.333
Ge	72	1	He	90.70942522	614231.123
Ge	72	2	H2	95.74925244	1736751.167
In	115	1	He	92.43654072	6738063.163
Tb	159	1	He	95.80170023	15512421.437
Ir	193	1	He	95.26335896	7446948.223

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	120_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:22:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	84.223470	5.4	61409.840
Be	9	2	H2	84.102949	4.2	52243.080
B	11	2	H2	82.179231	4.7	56439.103
Na	23	1	He	2063.816924	0.8	3757307.443
Mg	24	1	He	2061.273025	0.4	2078680.127
Al	27	1	He	2013.307907	0.7	1098098.790
Si	28	2	H2	1024.286914	5.5	4334461.333
K	39	1	He	2028.870836	0.5	3164621.727
Ca	43	1	He	2009.361700	1.9	9262.040
Ca	44	1	He	2005.958061	0.5	154854.940
Ti	47	1	He	77.134784	1.4	38133.707
V	51	1	He	82.295672	1.5	960793.320
Cr	52	1	He	83.172473	0.7	1163261.707
Mn	55	1	He	84.215825	0.7	890352.083
Fe	56	1	He	1047.366849	0.7	13402800.667
Co	59	1	He	84.443946	0.7	1725382.710
Ni	60	1	He	85.117103	0.9	426493.720
Cu	63	1	He	87.285496	0.8	1125219.877
Zn	66	1	He	82.743415	0.2	220006.280
As	75	1	He	79.540407	0.1	173327.947
Se	78	2	H2	79.845186	1.1	86229.850
Sr	88	1	He	76.310874	0.3	1403794.197
Mo	95	1	He	82.601649	0.5	665170.930
Pd	105	1	He	80.030346	1.4	939531.653
Ag	107	1	He	40.452759	4.8	947109.857
Cd	111	1	He	79.991144	1.3	356239.080
Sn	118	1	He	79.556826	0.9	930415.197
Sb	121	1	He	76.447070	0.9	1166376.157
Ba	138	1	He	78.639239	1.0	3042278.077
Pt	195	1	He	80.463821	1.3	1158438.447
Hg	202	1	He	3.601276	3.4	26221.680
Tl	205	1	He	40.182685	1.2	2114182.417
Pb	206	1	He	81.399674	1.5	1454196.020
Pb	207	1	He	84.852583	1.4	1266600.840
Pb	208	1	He	82.509038	1.1	5814259.313
Bi	209	1	He	84.199317	0.9	4669237.640
Th	232	1	He	79.299864	0.2	6281184.490
U	238	1	He	77.132434	0.7	6249099.907

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.49920219	1000659.980
Sc	45	2	H2	91.26402312	6116671.500
Ge	72	1	He	90.87656460	615362.893
Ge	72	2	H2	91.98556167	1668483.330
In	115	1	He	91.27415965	6653332.633
Tb	159	1	He	95.78155166	15509158.937
Ir	193	1	He	95.04492028	7429872.387

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	121_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:26:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.075518	22.5	117.333
Be	9	2	H2	0.029076	2.8	23.833
B	11	2	H2	0.855961	44.4	3350.360
Na	23	1	He	4.081404	5.0	23131.197
Mg	24	1	He	-2.237471		1011.703
Al	27	1	He	0.187901	67.6	326.003
Si	28	2	H2	-0.061810		11306.933
K	39	1	He	8.336838	5.4	130464.180
Ca	43	1	He	2.107319	90.7	18.977
Ca	44	1	He	2.212497	52.7	332.597
Ti	47	1	He	0.006416	173.6	6.000
V	51	1	He	0.057716	111.6	-962.193
Cr	52	1	He	0.002399	149.8	546.677
Mn	55	1	He	-0.065458		192.667
Fe	56	1	He	-0.075489		14819.423
Co	59	1	He	-0.000153		92.667
Ni	60	1	He	-0.126176		194.000
Cu	63	1	He	0.009207	23.9	409.343
Zn	66	1	He	0.018793	87.9	256.667
As	75	1	He	-0.003368		242.833
Se	78	2	H2	0.002873	209.8	19.667
Sr	88	1	He	0.002386	38.8	255.003
Mo	95	1	He	0.009803	43.4	98.333
Pd	105	1	He	0.006925	49.9	113.333
Ag	107	1	He	0.192563	16.0	5285.873
Cd	111	1	He	0.003100	41.7	16.637
Sn	118	1	He	0.033174	10.2	545.013
Sb	121	1	He	0.003181	124.2	136.667
Ba	138	1	He	0.009251	26.4	495.010
Pt	195	1	He	0.004286	89.4	146.670
Hg	202	1	He	0.032052	42.0	300.007
Tl	205	1	He	0.044145	17.7	2978.647
Pb	206	1	He	0.006754	51.4	208.337
Pb	207	1	He	0.000435	1022.7	933.370
Pb	208	1	He	0.005972	25.8	1625.050
Bi	209	1	He	0.003643	67.9	1716.803
Th	232	1	He	0.005081	7.9	448.343
U	238	1	He	0.001886	34.1	235.000

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.49006013	967751.190
Sc	45	2	H2	90.75227855	6082373.500
Ge	72	1	He	87.99230512	595832.377
Ge	72	2	H2	91.62518748	1661946.670
In	115	1	He	90.05686600	6564599.310
Tb	159	1	He	92.66430350	15004407.277
Ir	193	1	He	92.99866381	7269911.977

Sample Name	4322831_B70209Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	122SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:29:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.045797	36.6	100.167
Be	9	2	H2	0.026108	34.5	23.000
B	11	2	H2	0.056553	335.3	2960.290
Na	23	1	He	4.705374	1.9	25317.353
Mg	24	1	He	0.173104	32.5	3510.367
Al	27	1	He	2.471324	3.0	1599.407
Si	28	2	H2	1.427609	17.0	18349.137
K	39	1	He	5.316563	17.4	131771.587
Ca	43	1	He	8.955677	12.7	51.697
Ca	44	1	He	9.939003	8.9	949.970
Ti	47	1	He	0.059252	28.5	32.667
V	51	1	He	0.034578	362.1	-1273.753
Cr	52	1	He	0.284902	3.2	4563.253
Mn	55	1	He	-0.022742		657.347
Fe	56	1	He	2.454818	0.7	48175.820
Co	59	1	He	0.003296	59.7	165.333
Ni	60	1	He	-0.103177		314.000
Cu	63	1	He	0.018589	14.6	541.343
Zn	66	1	He	1.339596	3.4	3757.737
As	75	1	He	-0.001389		253.833
Se	78	2	H2	0.010151	37.4	28.333
Sr	88	1	He	0.016116	14.1	525.013
Mo	95	1	He	0.007151	39.8	80.000
Pd	105	1	He	0.003775	37.4	80.000
Ag	107	1	He	0.037469	19.4	1775.107
Cd	111	1	He	0.006609	94.3	33.310
Sn	118	1	He	0.079856	7.3	1128.380
Sb	121	1	He	0.022610	10.0	446.677
Ba	138	1	He	0.010786	26.7	575.017
Pt	195	1	He	0.009633	38.6	230.007
Hg	202	1	He	0.019580	36.1	220.007
Tl	205	1	He	0.006815	15.0	1120.053
Pb	206	1	He	0.009914	39.0	273.337
Pb	207	1	He	0.011472	46.8	1136.720
Pb	208	1	He	0.010596	16.9	2018.410
Bi	209	1	He	0.003696	93.1	1790.150
Th	232	1	He	0.003201	14.5	316.673
U	238	1	He	0.001073	22.1	178.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.48275661	1011416.397
Sc	45	2	H2	94.81757529	6354836.667
Ge	72	1	He	90.49237309	612761.373
Ge	72	2	H2	94.58854018	1715697.547
In	115	1	He	93.78407414	6836290.177
Tb	159	1	He	96.44863901	15617175.183
Ir	193	1	He	97.31457516	7607296.347

Sample Name	4322832_B70209Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	123SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:33:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	113.470669	10.5	77001.003
Be	9	2	H2	113.034961	10.4	65373.397
B	11	2	H2	110.833756	8.7	70081.460
Na	23	1	He	2119.019028	0.3	3814780.983
Mg	24	1	He	2101.195233	0.9	2095501.947
Al	27	1	He	2057.631509	0.3	1109884.420
Si	28	2	H2	561.736277	8.6	2221516.043
K	39	1	He	2095.816425	0.3	3228929.637
Ca	43	1	He	2079.905116	0.9	9481.400
Ca	44	1	He	2049.291107	1.5	156441.223
Ti	47	1	He	96.592335	0.9	47226.837
V	51	1	He	104.836014	0.7	1210900.967
Cr	52	1	He	106.569785	0.5	1473901.710
Mn	55	1	He	105.337494	0.3	1101143.293
Fe	56	1	He	2135.838671	0.6	27013390.000
Co	59	1	He	108.046631	1.3	2196053.333
Ni	60	1	He	108.475525	0.5	540448.373
Cu	63	1	He	108.503230	0.5	1391314.667
Zn	66	1	He	106.392660	0.4	281344.060
As	75	1	He	102.976023	0.8	223143.000
Se	78	2	H2	110.612466	12.4	110738.093
Sr	88	1	He	100.058494	1.4	1798708.827
Mo	95	1	He	105.517716	0.2	845269.260
Pd	105	1	He	21.112672	0.9	242255.147
Ag	107	1	He	50.029028	3.3	1144796.260
Cd	111	1	He	103.200740	0.6	449167.220
Sn	118	1	He	99.582710	1.1	1138150.557
Sb	121	1	He	99.499737	0.9	1483561.330
Ba	138	1	He	101.298915	1.6	3850166.090
Pt	195	1	He	20.789882	1.0	294142.450
Hg	202	1	He	0.021230	16.8	226.673
Tl	205	1	He	106.432188	1.6	5500723.043
Pb	206	1	He	107.875677	1.7	1893385.703
Pb	207	1	He	106.836130	2.4	1566498.413
Pb	208	1	He	106.760180	1.9	7390873.640
Bi	209	1	He	107.694321	1.1	5867221.163
Th	232	1	He	104.432941	0.9	8211670.087
U	238	1	He	99.884210	1.2	8033477.383

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.48731118	989593.667
Sc	45	2	H2	85.84774885	5753663.500
Ge	72	1	He	90.40127937	612144.540
Ge	72	2	H2	86.11634695	1562024.373
In	115	1	He	89.19846093	6502026.787
Tb	159	1	He	94.10636952	15237909.770
Ir	193	1	He	94.35645644	7376053.640

Sample Name	92603477004_B70209Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	124SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:36:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.427048	6.0	380.000
Be	9	2	H2	0.027442	20.3	23.333
B	11	2	H2	41.287488	5.5	30244.870
Na	23	1	He	9445.377178	0.8	16965697.250
Mg	24	1	He	680.027981	0.5	681109.420
Al	27	1	He	179.172519	1.0	96962.080
Si	28	2	H2	1086.616631	2.4	4670786.333
K	39	1	He	2623.756859	0.5	4016120.877
Ca	43	1	He	2041.539216	0.5	9316.610
Ca	44	1	He	2105.859750	0.1	160935.280
Ti	47	1	He	4.032179	21.7	1976.887
V	51	1	He	0.282464	16.1	1618.837
Cr	52	1	He	0.567674	0.8	8383.297
Mn	55	1	He	13.437764	0.5	141390.313
Fe	56	1	He	396.734289	0.9	5036177.833
Co	59	1	He	0.149200	6.3	3092.947
Ni	60	1	He	0.500488	6.3	3276.977
Cu	63	1	He	6.590364	0.2	83767.600
Zn	66	1	He	113.311000	0.6	296006.650
As	75	1	He	0.089544	8.5	445.010
Se	78	2	H2	0.149197	7.7	178.667
Sr	88	1	He	7.959808	1.3	147670.287
Mo	95	1	He	0.592222	6.5	4709.010
Pd	105	1	He	0.003336	76.2	73.333
Ag	107	1	He	0.280557	16.0	7471.690
Cd	111	1	He	0.035030	6.4	160.253
Sn	118	1	He	1.079939	0.5	12884.923
Sb	121	1	He	0.216879	3.1	3423.707
Ba	138	1	He	8.908369	0.8	346537.403
Pt	195	1	He	0.005543	55.4	170.003
Hg	202	1	He	0.015516	36.5	190.003
Tl	205	1	He	0.054957	32.6	3663.807
Pb	206	1	He	0.559959	0.9	10149.987
Pb	207	1	He	0.554422	4.7	9276.100
Pb	208	1	He	0.560337	1.5	40945.670
Bi	209	1	He	1.633181	1.6	92594.360
Th	232	1	He	0.011914	17.7	1015.063
U	238	1	He	0.013249	6.6	1180.057

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.58501146	990662.143
Sc	45	2	H2	92.72913530	6214865.833
Ge	72	1	He	89.30908759	604748.857
Ge	72	2	H2	92.42969898	1676539.330
In	115	1	He	91.93508949	6701510.410
Tb	159	1	He	96.27419051	15588928.100
Ir	193	1	He	96.65940849	7556080.513

Sample Name	4323874_B70209Dx25
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	125SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:40:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.113998	22.2	145.000
Be	9	2	H2	0.023196	16.3	20.167
B	11	2	H2	8.628603	9.0	8382.040
Na	23	1	He	1901.752571	1.1	3389846.720
Mg	24	1	He	137.988154	1.5	139205.970
Al	27	1	He	36.562210	1.9	19742.830
Si	28	2	H2	215.417219	5.2	913941.313
K	39	1	He	542.439793	1.0	915863.607
Ca	43	1	He	423.323256	1.4	1917.447
Ca	44	1	He	425.224013	1.8	32262.033
Ti	47	1	He	1.024398	13.3	498.707
V	51	1	He	0.170203	25.2	317.043
Cr	52	1	He	0.101226	5.0	1905.443
Mn	55	1	He	2.628223	2.2	28039.690
Fe	56	1	He	80.684504	1.0	1025229.647
Co	59	1	He	0.030781	8.5	708.017
Ni	60	1	He	0.005606	187.2	836.020
Cu	63	1	He	1.319434	0.8	16840.573
Zn	66	1	He	22.647300	1.4	58740.933
As	75	1	He	0.004649	179.0	260.833
Se	78	2	H2	0.037146	17.8	56.333
Sr	88	1	He	1.580369	1.2	29317.900
Mo	95	1	He	0.123305	15.8	988.370
Pd	105	1	He	0.003101	47.6	70.000
Ag	107	1	He	0.066963	5.8	2420.190
Cd	111	1	He	0.008221	62.4	39.703
Sn	118	1	He	0.296641	9.4	3637.100
Sb	121	1	He	0.048457	2.6	830.030
Ba	138	1	He	1.775260	1.2	67579.397
Pt	195	1	He	0.006543	52.0	180.003
Hg	202	1	He	0.005333	83.2	113.333
Tl	205	1	He	0.002935	22.2	891.703
Pb	206	1	He	0.117660	3.5	2156.837
Pb	207	1	He	0.116817	9.1	2651.910
Pb	208	1	He	0.116490	0.2	9294.410
Bi	209	1	He	0.333399	1.4	19692.427
Th	232	1	He	0.004124	9.7	378.343
U	238	1	He	0.003365	14.3	356.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	89.55093372	979353.190
Sc	45	2	H2	90.59534931	6071855.833
Ge	72	1	He	88.42106191	598735.667
Ge	72	2	H2	91.27816588	1655652.207
In	115	1	He	91.38500147	6661412.330
Tb	159	1	He	94.04994069	15228772.690
Ir	193	1	He	94.16019904	7360711.763

Sample Name	4322833_B70209Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	126SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:43:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	23.640465	3.5	17368.320
Be	9	2	H2	23.307895	4.1	14557.790
B	11	2	H2	65.966153	4.7	46100.920
Na	23	1	He	10139.40111	1.4	18420379.727
Mg	24	1	He	1173.664931	1.5	1186648.993
Al	27	1	He	660.108331	0.6	360711.173
Si	28	2	H2	1271.778418	7.0	5409150.000
K	39	1	He	3142.169749	0.8	4840859.200
Ca	43	1	He	2568.516942	1.5	11853.727
Ca	44	1	He	2630.899602	0.8	203331.510
Ti	47	1	He	23.879135	1.7	11823.917
V	51	1	He	23.778382	1.7	276815.683
Cr	52	1	He	24.033790	0.7	337008.967
Mn	55	1	He	37.190594	1.1	394245.187
Fe	56	1	He	857.646574	1.2	10993304.000
Co	59	1	He	24.507071	0.7	497386.530
Ni	60	1	He	24.924398	0.6	124616.663
Cu	63	1	He	31.423517	0.1	402519.627
Zn	66	1	He	141.101123	0.2	372467.790
As	75	1	He	22.792109	0.1	49512.287
Se	78	2	H2	22.405823	1.9	24137.333
Sr	88	1	He	30.379572	0.5	558183.493
Mo	95	1	He	24.037275	1.2	192265.127
Pd	105	1	He	2.765764	2.3	32454.497
Ag	107	1	He	10.465001	3.8	245357.430
Cd	111	1	He	22.641476	1.0	100695.763
Sn	118	1	He	17.626361	0.8	205971.803
Sb	121	1	He	21.572411	1.0	328745.023
Ba	138	1	He	32.622753	1.4	1257219.253
Pt	195	1	He	4.338624	0.4	62303.717
Hg	202	1	He	0.024010	30.2	250.010
Tl	205	1	He	22.742115	2.0	1192225.113
Pb	206	1	He	23.883165	1.7	425068.353
Pb	207	1	He	23.936982	1.8	356596.570
Pb	208	1	He	23.752446	1.3	1668155.273
Bi	209	1	He	25.836093	1.1	1428228.783
Th	232	1	He	4.080656	7.8	325480.067
U	238	1	He	21.336790	1.9	1740263.207

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.63092748	1002100.563
Sc	45	2	H2	91.70400489	6146159.833
Ge	72	1	He	90.25907619	611181.623
Ge	72	2	H2	91.70845605	1663457.040
In	115	1	He	91.14234214	6643723.937
Tb	159	1	He	95.40591858	15448335.603
Ir	193	1	He	95.68604744	7479990.720

Sample Name	4322834_B70209Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	127SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:47:32
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	21.119119	4.9	15543.567
Be	9	2	H2	20.803346	4.1	13008.990
B	11	2	H2	58.700326	2.7	41373.013
Na	23	1	He	9232.740128	1.2	16718018.083
Mg	24	1	He	1051.847663	0.7	1060244.230
Al	27	1	He	579.988438	0.7	315883.800
Si	28	2	H2	1096.189574	4.1	4666927.167
K	39	1	He	2842.272810	1.3	4375530.143
Ca	43	1	He	2334.045227	1.0	10736.213
Ca	44	1	He	2375.411275	1.1	182983.917
Ti	47	1	He	23.283555	6.0	11488.093
V	51	1	He	21.323617	1.7	247220.683
Cr	52	1	He	21.644355	0.5	302520.893
Mn	55	1	He	33.480697	0.7	353802.810
Fe	56	1	He	765.013443	0.9	9774584.000
Co	59	1	He	21.866109	0.7	442555.353
Ni	60	1	He	22.305883	0.8	111298.600
Cu	63	1	He	28.295409	1.1	361443.957
Zn	66	1	He	127.727734	0.6	336237.260
As	75	1	He	20.544302	1.2	44526.400
Se	78	2	H2	20.001846	1.0	21743.920
Sr	88	1	He	27.192817	0.4	503289.300
Mo	95	1	He	21.599148	1.3	172273.363
Pd	105	1	He	2.064977	0.4	24417.747
Ag	107	1	He	9.564138	3.7	225930.463
Cd	111	1	He	19.866140	1.6	88996.813
Sn	118	1	He	16.004391	2.0	188394.450
Sb	121	1	He	19.065302	1.3	292652.577
Ba	138	1	He	28.786051	0.7	1111532.977
Pt	195	1	He	3.798567	1.7	54659.483
Hg	202	1	He	0.061653	9.3	523.353
Tl	205	1	He	20.472455	0.7	1075444.123
Pb	206	1	He	21.332258	1.9	380385.957
Pb	207	1	He	21.139989	1.4	315635.263
Pb	208	1	He	21.113421	1.2	1485787.903
Bi	209	1	He	22.562327	0.9	1249915.660
Th	232	1	He	3.845865	8.1	305590.703
U	238	1	He	19.241373	0.3	1564207.630

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.31965438	998696.397
Sc	45	2	H2	91.82987205	6154595.667
Ge	72	1	He	90.00637222	609470.460
Ge	72	2	H2	92.53850526	1678512.917
In	115	1	He	91.80736642	6692200.173
Tb	159	1	He	95.59487507	15478931.853
Ir	193	1	He	95.36422062	7454832.803

Sample Name	92603477005_B70209Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	128SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:51:07
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.220184	3.2	959.360
Be	9	2	H2	0.020123	21.1	18.500
B	11	2	H2	203.937189	4.8	137064.447
Na	23	1	He	43903.65024	0.8	79442880.483
Mg	24	1	He	2032.429747	0.5	2045763.357
Al	27	1	He	71.765430	2.4	39294.360
Si	28	2	H2	4472.085792	5.9	19051599.333
K	39	1	He	10157.85569	0.9	15324534.770
Ca	43	1	He	7993.743050	1.1	36748.327
Ca	44	1	He	8213.571420	0.7	632321.773
Ti	47	1	He	2.081263	61.5	1031.927
V	51	1	He	0.383355	42.8	2808.710
Cr	52	1	He	0.544207	3.6	8123.833
Mn	55	1	He	43.114877	0.4	455393.447
Fe	56	1	He	83.275508	1.4	1078653.667
Co	59	1	He	0.366320	1.5	7505.587
Ni	60	1	He	1.127043	3.3	6399.827
Cu	63	1	He	2.020048	1.2	26066.187
Zn	66	1	He	78.362827	1.1	206227.990
As	75	1	He	0.142226	2.1	561.677
Se	78	2	H2	0.111991	5.7	139.000
Sr	88	1	He	31.391889	0.8	575957.010
Mo	95	1	He	0.688775	3.9	5512.583
Pd	105	1	He	0.002550	83.4	63.333
Ag	107	1	He	0.142011	12.8	4160.550
Cd	111	1	He	0.000824	209.9	6.680
Sn	118	1	He	0.443500	7.1	5334.220
Sb	121	1	He	0.368654	3.2	5697.680
Ba	138	1	He	11.304710	1.0	434387.523
Pt	195	1	He	0.009675	67.2	226.677
Hg	202	1	He	0.008415	20.9	136.667
Tl	205	1	He	0.034665	30.5	2556.900
Pb	206	1	He	0.182902	18.5	3338.233
Pb	207	1	He	0.152694	7.4	3213.687
Pb	208	1	He	0.157879	5.7	12294.680
Bi	209	1	He	0.215780	3.4	13439.280
Th	232	1	He	0.006914	17.5	598.353
U	238	1	He	0.004028	15.8	410.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.32603956	998766.227
Sc	45	2	H2	91.97245270	6164151.667
Ge	72	1	He	89.95052422	609092.290
Ge	72	2	H2	92.96797545	1686302.877
In	115	1	He	91.01565117	6634488.933
Tb	159	1	He	95.10830908	15400146.020
Ir	193	1	He	94.30602292	7372111.140

Sample Name	92603492004_B70209Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	129SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:54:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.356405	13.0	330.333
Be	9	2	H2	0.017269	28.0	17.000
B	11	2	H2	39.468485	5.6	29256.710
Na	23	1	He	11928.60007	1.3	21848996.343
Mg	24	1	He	709.242290	0.3	724447.747
Al	27	1	He	207.633292	1.4	114564.317
Si	28	2	H2	1094.923086	5.3	4743411.833
K	39	1	He	2639.147165	1.0	4119556.397
Ca	43	1	He	2382.824773	1.5	11089.057
Ca	44	1	He	2408.197728	1.8	187678.157
Ti	47	1	He	2.655611	18.4	1329.450
V	51	1	He	0.366435	29.8	2636.803
Cr	52	1	He	0.640181	3.2	9573.210
Mn	55	1	He	15.455411	0.9	165731.007
Fe	56	1	He	307.390807	1.2	3983570.917
Co	59	1	He	0.139692	1.1	2952.917
Ni	60	1	He	0.579684	3.5	3730.403
Cu	63	1	He	11.707975	1.3	151185.033
Zn	66	1	He	66.636434	1.2	177214.863
As	75	1	He	0.092997	7.9	460.343
Se	78	2	H2	0.121438	3.4	151.000
Sr	88	1	He	9.675354	0.4	182137.777
Mo	95	1	He	0.603845	3.6	4885.727
Pd	105	1	He	0.000758	168.5	43.333
Ag	107	1	He	0.101157	5.5	3288.677
Cd	111	1	He	0.045499	12.4	210.200
Sn	118	1	He	1.134568	3.4	13728.927
Sb	121	1	He	0.199104	0.8	3197.000
Ba	138	1	He	8.525613	1.5	334404.537
Pt	195	1	He	0.004777	68.8	160.003
Hg	202	1	He	0.013885	24.1	180.003
Tl	205	1	He	0.011807	39.2	1393.410
Pb	206	1	He	0.510348	4.6	9332.797
Pb	207	1	He	0.525740	3.0	8919.233
Pb	208	1	He	0.513668	3.5	37945.907
Bi	209	1	He	1.984000	1.8	113057.603
Th	232	1	He	0.004047	9.8	381.677
U	238	1	He	0.029089	6.2	2480.223

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.39692783	1010477.750
Sc	45	2	H2	93.43712970	6262316.833
Ge	72	1	He	90.87663549	615363.373
Ge	72	2	H2	93.99799469	1704985.917
In	115	1	He	93.30622881	6801458.150
Tb	159	1	He	97.07905751	15719253.930
Ir	193	1	He	96.52714176	7545740.930

Sample Name	92603492005_B70209Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	130SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:58:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.657016	3.9	4221.143
Be	9	2	H2	0.014751	20.4	15.167
B	11	2	H2	235.973223	5.8	158345.233
Na	23	1	He	77910.84836	1.1	142598654.540
Mg	24	1	He	14593.46623	0.3	14839586.447
Al	27	1	He	97.339525	2.9	53824.853
Si	28	2	H2	5339.258814	8.1	22776978.667
K	39	1	He	16384.26263	0.5	24929586.297
Ca	43	1	He	15233.57389	0.8	70836.033
Ca	44	1	He	15483.96125	1.1	1205690.037
Ti	47	1	He	2.714113	13.0	1356.753
V	51	1	He	1.688495	3.3	18258.883
Cr	52	1	He	2.251160	1.2	32311.350
Mn	55	1	He	33.200177	0.7	354956.843
Fe	56	1	He	248.712209	0.6	3226081.000
Co	59	1	He	0.584836	2.5	11930.640
Ni	60	1	He	3.963179	1.1	20452.250
Cu	63	1	He	13.785749	1.1	176267.440
Zn	66	1	He	159.221969	0.6	419121.363
As	75	1	He	1.301454	0.9	3060.267
Se	78	2	H2	0.353097	7.8	404.010
Sr	88	1	He	55.387747	0.6	996986.963
Mo	95	1	He	2.175611	3.4	17368.710
Pd	105	1	He	0.014833	28.9	203.340
Ag	107	1	He	0.041107	7.9	1773.440
Cd	111	1	He	0.050147	5.7	221.453
Sn	118	1	He	0.621080	3.1	7266.607
Sb	121	1	He	1.180939	2.8	17717.657
Ba	138	1	He	7.485382	0.9	287294.423
Pt	195	1	He	0.013637	15.1	283.343
Hg	202	1	He	0.015833	31.2	190.010
Tl	205	1	He	0.000532	157.7	775.027
Pb	206	1	He	0.228753	2.6	4145.580
Pb	207	1	He	0.232394	7.0	4387.317
Pb	208	1	He	0.232436	1.4	17485.487
Bi	209	1	He	1.301588	1.5	73110.937
Th	232	1	He	0.008080	11.7	683.360
U	238	1	He	0.038366	3.8	3138.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.38955573	1010397.127
Sc	45	2	H2	92.06952323	6170657.500
Ge	72	1	He	90.01506957	609529.353
Ge	72	2	H2	93.42744126	1694636.913
In	115	1	He	89.30755743	6509979.260
Tb	159	1	He	94.97437386	15378458.937
Ir	193	1	He	93.36241465	7298347.187

Sample Name	92603407002_B70209Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	131SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:02:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.228127	2.3	238.167
Be	9	2	H2	0.007733	107.9	11.167
B	11	2	H2	9.330272	5.8	9262.470
Na	23	1	He	30813.33009	0.8	57806020.807
Mg	24	1	He	800.358113	1.6	837155.693
Al	27	1	He	18.068154	3.1	10436.000
Si	28	2	H2	647.374081	4.6	2855121.167
K	39	1	He	3470.521759	1.2	5510918.460
Ca	43	1	He	2278.566414	1.1	10865.963
Ca	44	1	He	2356.650549	2.1	188190.110
Ti	47	1	He	1.808272	98.3	933.300
V	51	1	He	-0.003223		-1768.810
Cr	52	1	He	0.659914	1.2	10095.503
Mn	55	1	He	5.705763	1.6	63271.203
Fe	56	1	He	347.898154	0.8	4617570.833
Co	59	1	He	0.038588	8.1	904.693
Ni	60	1	He	0.368886	3.0	2728.883
Cu	63	1	He	10.763969	0.8	141763.510
Zn	66	1	He	95.730751	0.5	259518.347
As	75	1	He	0.048295	15.6	370.167
Se	78	2	H2	0.106570	21.6	136.333
Sr	88	1	He	11.285728	0.6	213789.010
Mo	95	1	He	0.156131	7.7	1305.067
Pd	105	1	He	0.004599	65.2	90.000
Ag	107	1	He	0.138019	3.0	4197.227
Cd	111	1	He	0.007962	47.4	39.610
Sn	118	1	He	0.686822	3.1	8432.177
Sb	121	1	He	0.028842	10.7	545.017
Ba	138	1	He	8.550097	1.1	335986.467
Pt	195	1	He	0.015678	19.0	320.013
Hg	202	1	He	0.011576	70.3	163.337
Tl	205	1	He	-0.004562		521.680
Pb	206	1	He	0.493828	1.0	9052.623
Pb	207	1	He	0.470746	4.1	8102.120
Pb	208	1	He	0.475404	1.8	35283.457
Bi	209	1	He	0.155217	8.8	10336.930
Th	232	1	He	0.002270	16.5	236.667
U	238	1	He	0.002195	10.2	266.673

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.67551916	1035397.040
Sc	45	2	H2	94.93145132	6362468.833
Ge	72	1	He	92.66729383	627488.663
Ge	72	2	H2	95.33156435	1729174.917
In	115	1	He	93.90999074	6845468.733
Tb	159	1	He	97.25059568	15747029.767
Ir	193	1	He	95.61767012	7474645.513

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	132_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:05:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	80.842042	5.5	59563.667
Be	9	2	H2	80.706962	5.3	50663.873
B	11	2	H2	79.178641	3.9	55051.703
Na	23	1	He	2073.150530	1.0	3764571.507
Mg	24	1	He	2061.146189	0.9	2073230.233
Al	27	1	He	2004.203640	1.0	1090341.003
Si	28	2	H2	1002.324118	5.5	4286149.000
K	39	1	He	2050.571828	0.9	3188983.913
Ca	43	1	He	2040.561160	0.6	9382.270
Ca	44	1	He	1999.827380	0.3	153988.993
Ti	47	1	He	77.440124	0.7	38187.827
V	51	1	He	82.540486	0.8	961213.183
Cr	52	1	He	83.079595	0.8	1158997.210
Mn	55	1	He	83.890535	0.7	884655.353
Fe	56	1	He	1046.439708	0.8	13356795.000
Co	59	1	He	83.846078	0.8	1725945.210
Ni	60	1	He	84.294225	0.2	425523.303
Cu	63	1	He	85.943501	0.2	1116174.083
Zn	66	1	He	81.621561	0.3	218645.560
As	75	1	He	79.016335	0.3	173471.967
Se	78	2	H2	78.232161	2.0	84948.537
Sr	88	1	He	76.617905	0.8	1408888.363
Mo	95	1	He	81.877759	0.6	664277.490
Pd	105	1	He	80.526146	0.7	945044.727
Ag	107	1	He	40.705014	3.4	952871.157
Cd	111	1	He	79.656292	1.1	354633.200
Sn	118	1	He	78.707849	0.7	920151.833
Sb	121	1	He	75.837332	0.5	1156665.633
Ba	138	1	He	79.791554	0.9	3064953.393
Pt	195	1	He	80.572509	0.4	1151753.160
Hg	202	1	He	3.559497	0.9	25734.337
Tl	205	1	He	40.073177	0.6	2093507.727
Pb	206	1	He	81.031526	0.3	1437367.737
Pb	207	1	He	85.300353	0.5	1264268.130
Pb	208	1	He	82.634810	0.2	5781873.840
Bi	209	1	He	84.800884	1.7	4669125.033
Th	232	1	He	78.187720	0.3	6210617.407
U	238	1	He	76.558541	0.3	6220212.823

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.26637784	998113.750
Sc	45	2	H2	92.20673000	6179853.333
Ge	72	1	He	91.55490981	619956.250
Ge	72	2	H2	92.48735266	1677585.083
In	115	1	He	91.23844350	6650729.143
Tb	159	1	He	95.09979933	15398768.103
Ir	193	1	He	95.31336074	7450856.973

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	133_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:09:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.034412	29.7	91.667
Be	9	2	H2	0.020035	21.5	19.167
B	11	2	H2	0.116483	68.1	3006.973
Na	23	1	He	4.113073	5.5	24397.830
Mg	24	1	He	-2.385021		913.370
Al	27	1	He	0.308973	34.8	410.340
Si	28	2	H2	0.397327	45.6	13860.610
K	39	1	He	6.909890	3.8	135103.933
Ca	43	1	He	0.606270	106.7	12.920
Ca	44	1	He	0.942155	118.2	250.363
Ti	47	1	He	0.005757	118.9	6.000
V	51	1	He	0.057349	80.2	-1014.620
Cr	52	1	He	-0.001921		514.010
Mn	55	1	He	-0.063105		228.000
Fe	56	1	He	-0.063917		15743.537
Co	59	1	He	0.002306	74.9	147.333
Ni	60	1	He	-0.121352		226.667
Cu	63	1	He	0.008591	54.0	418.673
Zn	66	1	He	0.008291	133.1	239.333
As	75	1	He	-0.003712		252.333
Se	78	2	H2	0.012824	68.0	31.667
Sr	88	1	He	0.003519	18.8	290.007
Mo	95	1	He	0.007834	29.8	86.667
Pd	105	1	He	0.008629	1.0	140.003
Ag	107	1	He	0.226478	10.3	6387.903
Cd	111	1	He	0.006168	62.1	31.640
Sn	118	1	He	0.030839	22.3	545.013
Sb	121	1	He	0.006206	44.9	191.667
Ba	138	1	He	0.013655	12.7	688.357
Pt	195	1	He	0.005248	46.1	166.673
Hg	202	1	He	0.022636	27.3	243.340
Tl	205	1	He	0.037748	20.0	2766.930
Pb	206	1	He	0.007657	42.7	233.340
Pb	207	1	He	-0.001041		951.703
Pb	208	1	He	0.004863	27.9	1616.720
Bi	209	1	He	0.004780	23.0	1856.820
Th	232	1	He	0.010490	8.9	916.703
U	238	1	He	0.004819	27.0	495.013

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.11332840	1018312.500
Sc	45	2	H2	95.07645656	6372187.333
Ge	72	1	He	91.76494126	621378.460
Ge	72	2	H2	95.52943957	1732764.083
In	115	1	He	94.79382839	6909895.137
Tb	159	1	He	96.73827145	15664073.103
Ir	193	1	He	98.44673618	7695799.887

Sample Name	4322600_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	134SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:12:47
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.045622	14.0	98.833
Be	9	2	H2	0.014501	3.1	15.333
B	11	2	H2	0.055161	1123.6	2936.963
Na	23	1	He	3.915244	3.2	23525.037
Mg	24	1	He	0.614092	6.9	3902.123
Al	27	1	He	1.637400	8.4	1123.370
Si	28	2	H2	0.644380	41.6	14760.947
K	39	1	He	7.930304	12.9	133764.433
Ca	43	1	He	0.630915	61.6	12.760
Ca	44	1	He	1.325249	25.7	274.523
Ti	47	1	He	0.019563	47.9	12.667
V	51	1	He	-0.039146		-2120.540
Cr	52	1	He	0.050861	11.8	1238.047
Mn	55	1	He	-0.057066		286.667
Fe	56	1	He	0.727026	5.3	25483.253
Co	59	1	He	-0.000850		80.000
Ni	60	1	He	-0.115977		247.333
Cu	63	1	He	0.031357	7.5	696.687
Zn	66	1	He	0.051224	25.8	345.337
As	75	1	He	0.005546	93.5	265.667
Se	78	2	H2	0.005649	140.3	23.333
Sr	88	1	He	0.001042	275.7	238.337
Mo	95	1	He	0.002636	82.5	43.333
Pd	105	1	He	0.005793	71.9	103.337
Ag	107	1	He	0.088200	6.7	2970.287
Cd	111	1	He	0.001521	73.0	9.987
Sn	118	1	He	1.042761	4.4	12593.053
Sb	121	1	He	0.003877	40.1	151.667
Ba	138	1	He	0.004833	18.5	341.677
Pt	195	1	He	0.003471	41.9	140.000
Hg	202	1	He	0.007726	26.8	133.333
Tl	205	1	He	0.004819	70.6	1011.710
Pb	206	1	He	0.005317	27.9	190.000
Pb	207	1	He	0.001630	364.5	986.710
Pb	208	1	He	0.004784	35.1	1601.720
Bi	209	1	He	0.002501	9.4	1720.140
Th	232	1	He	0.005095	22.6	465.013
U	238	1	He	0.000264	22.0	110.000

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.14345750	996769.460
Sc	45	2	H2	93.84311254	6289526.500
Ge	72	1	He	89.39994404	605364.083
Ge	72	2	H2	94.26886607	1709899.127
In	115	1	He	93.02471887	6780937.783
Tb	159	1	He	96.22937218	15581671.017
Ir	193	1	He	96.31285528	7528989.680

Sample Name	4322601_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	135SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:16:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	55.032711	6.2	39898.187
Be	9	2	H2	54.483726	5.4	33637.087
B	11	2	H2	52.596259	6.5	36907.113
Na	23	1	He	1118.129500	4.7	1964408.253
Mg	24	1	He	1105.356760	3.8	1073424.540
Al	27	1	He	1078.617694	3.1	565945.040
Si	28	2	H2	272.973618	5.6	1156344.127
K	39	1	He	1102.496167	4.4	1707335.237
Ca	43	1	He	1075.127151	5.6	4768.370
Ca	44	1	He	1086.133450	2.5	80734.427
Ti	47	1	He	50.983968	3.1	24244.790
V	51	1	He	55.177445	3.6	618992.737
Cr	52	1	He	56.370449	3.4	758414.147
Mn	55	1	He	55.416752	3.5	563757.687
Fe	56	1	He	1120.572534	4.1	13787400.333
Co	59	1	He	57.249468	3.5	1128855.417
Ni	60	1	He	56.887354	2.6	275403.803
Cu	63	1	He	57.158461	3.5	711161.230
Zn	66	1	He	54.044344	3.5	138745.360
As	75	1	He	52.632017	3.6	110762.043
Se	78	2	H2	51.023135	1.1	55209.570
Sr	88	1	He	51.948360	2.8	926198.840
Mo	95	1	He	55.301138	3.1	429801.790
Pd	105	1	He	10.677189	2.3	121544.290
Ag	107	1	He	26.872619	2.4	610795.070
Cd	111	1	He	52.731480	1.3	227682.370
Sn	118	1	He	52.767498	2.9	598124.273
Sb	121	1	He	50.304117	1.9	744017.280
Ba	138	1	He	52.831264	2.6	1991487.003
Pt	195	1	He	10.627190	2.2	149160.190
Hg	202	1	He	3.794491	1.6	26933.070
Tl	205	1	He	54.379536	2.6	2787550.480
Pb	206	1	He	54.883815	1.4	955643.087
Pb	207	1	He	55.017115	1.9	800645.773
Pb	208	1	He	54.709330	2.5	3756914.977
Bi	209	1	He	54.859645	3.4	2964273.707
Th	232	1	He	53.323457	3.7	4146101.187
U	238	1	He	50.978232	3.6	4054346.400

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.07655809	963229.020
Sc	45	2	H2	90.70106878	6078941.333
Ge	72	1	He	87.78745132	594445.227
Ge	72	2	H2	92.14977247	1671461.873
In	115	1	He	88.51130966	6451937.627
Tb	159	1	He	93.37683706	15119782.273
Ir	193	1	He	93.35759887	7297970.727

Sample Name	10607968001_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	136SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:19:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.462417	3.6	4786.940
Be	9	2	H2	0.424863	3.8	270.667
B	11	2	H2	8.496982	5.3	8385.403
Na	23	1	He	667.504913	0.6	1188645.503
Mg	24	1	He	7517.814317	1.1	7339352.183
Al	27	1	He	5885.801589	1.0	3110950.833
Si	28	2	H2	724.622017	3.7	3079810.083
K	39	1	He	1202.312757	0.6	1865935.493
Ca	43	1	He	11566.87398	1.0	51631.100
Ca	44	1	He	11835.88989	0.9	884732.280
Ti	47	1	He	155.643813	2.0	74574.760
V	51	1	He	28.498714	1.5	321422.373
Cr	52	1	He	13.842061	1.0	188064.327
Mn	55	1	He	379.194256	0.9	3882475.083
Fe	56	1	He	13638.73744	1.2	168966714.667
Co	59	1	He	7.620048	0.6	150540.690
Ni	60	1	He	24.267374	1.3	118081.990
Cu	63	1	He	14.198475	1.5	177126.063
Zn	66	1	He	50.050504	1.0	128683.183
As	75	1	He	3.694182	1.2	8016.467
Se	78	2	H2	0.355036	5.2	399.343
Sr	88	1	He	16.390935	1.7	291896.280
Mo	95	1	He	0.408094	5.2	3196.993
Pd	105	1	He	0.047019	17.0	566.690
Ag	107	1	He	0.332415	17.0	8343.797
Cd	111	1	He	0.131378	8.3	569.053
Sn	118	1	He	1.299771	2.5	14863.210
Sb	121	1	He	0.127126	4.1	1963.470
Ba	138	1	He	106.835604	2.3	4060651.397
Pt	195	1	He	0.007668	49.1	196.673
Hg	202	1	He	0.056667	13.3	480.020
Tl	205	1	He	0.234830	2.1	12876.923
Pb	206	1	He	7.534504	2.3	132328.303
Pb	207	1	He	7.026321	2.3	103910.160
Pb	208	1	He	7.233143	2.5	501893.860
Bi	209	1	He	0.126581	1.0	8442.433
Th	232	1	He	4.194565	3.0	325713.947
U	238	1	He	0.762991	3.0	60675.670

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.68064675	969835.497
Sc	45	2	H2	91.56903371	6137113.833
Ge	72	1	He	87.81792944	594651.607
Ge	72	2	H2	91.83843274	1665814.627
In	115	1	He	88.30615839	6436983.343
Tb	159	1	He	94.11925896	15239996.857
Ir	193	1	He	93.16955781	7283271.140

Sample Name	4323797_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	137SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:23:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	95.668538	4.8	69888.373
Be	9	2	H2	89.652024	4.6	55811.653
B	11	2	H2	95.174453	6.7	65090.860
Na	23	1	He	3017.073082	3.9	5300313.673
Mg	24	1	He	10206.76076	3.7	9933865.897
Al	27	1	He	8437.583044	3.8	4446367.667
Si	28	2	H2	1898.413904	5.4	8044283.500
K	39	1	He	3567.217672	3.4	5287745.340
Ca	43	1	He	14599.45960	3.5	64976.937
Ca	44	1	He	14940.90526	3.6	1113534.260
Ti	47	1	He	255.393018	4.0	122010.697
V	51	1	He	124.340465	4.3	1403445.703
Cr	52	1	He	109.295129	4.1	1476875.917
Mn	55	1	He	493.392298	3.5	5036897.667
Fe	56	1	He	15613.46096	3.5	192868117.333
Co	59	1	He	103.453985	4.1	2028716.497
Ni	60	1	He	121.478219	3.5	583924.000
Cu	63	1	He	110.175152	3.5	1363268.043
Zn	66	1	He	144.942805	3.2	369810.303
As	75	1	He	94.477085	3.5	197572.847
Se	78	2	H2	87.187477	0.9	94331.293
Sr	88	1	He	106.663589	3.8	1863513.513
Mo	95	1	He	95.146741	3.1	735549.367
Pd	105	1	He	90.416512	2.7	1008481.857
Ag	107	1	He	47.061010	1.1	1047512.693
Cd	111	1	He	90.722522	2.9	383841.423
Sn	118	1	He	92.692780	3.3	1029726.183
Sb	121	1	He	88.838163	2.8	1287712.407
Ba	138	1	He	204.777929	3.3	7681849.470
Pt	195	1	He	90.850093	2.7	1268507.613
Hg	202	1	He	0.032164	26.4	300.010
Tl	205	1	He	46.909467	1.9	2394114.077
Pb	206	1	He	100.756135	2.6	1745774.350
Pb	207	1	He	100.689654	1.7	1457906.123
Pb	208	1	He	100.607791	2.8	6875510.837
Bi	209	1	He	93.317055	4.1	5016979.300
Th	232	1	He	95.029632	3.3	7285739.060
U	238	1	He	91.541760	3.2	7179008.433

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.50713024	967937.873
Sc	45	2	H2	91.43950853	6128432.833
Ge	72	1	He	87.32094417	591286.313
Ge	72	2	H2	92.15312427	1671522.670
In	115	1	He	86.77445376	6325331.367
Tb	159	1	He	92.95173836	15050949.360
Ir	193	1	He	92.07136824	7197423.223

Sample Name	4323798_B70201Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	138SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:27:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.231200	4.6	978.193
Be	9	2	H2	0.103535	13.9	71.667
B	11	2	H2	1.540569	26.0	3893.810
Na	23	1	He	130.820798	0.6	253642.157
Mg	24	1	He	1466.157540	0.4	1479516.383
Al	27	1	He	1137.727946	0.4	620675.480
Si	28	2	H2	132.493448	4.3	581834.147
K	39	1	He	242.621430	0.7	486230.437
Ca	43	1	He	2244.131457	0.8	10343.483
Ca	44	1	He	2319.416778	1.9	179016.927
Ti	47	1	He	29.348551	1.3	14511.137
V	51	1	He	5.564149	1.3	63406.233
Cr	52	1	He	2.707217	0.3	38379.737
Mn	55	1	He	73.913628	0.1	781574.500
Fe	56	1	He	2662.212423	0.6	34042620.000
Co	59	1	He	1.491792	1.8	30686.707
Ni	60	1	He	4.606196	0.7	23948.567
Cu	63	1	He	2.728084	1.1	35583.707
Zn	66	1	He	9.810554	0.7	26364.683
As	75	1	He	0.711347	0.8	1811.923
Se	78	2	H2	0.076410	13.3	101.333
Sr	88	1	He	3.145866	1.1	58916.627
Mo	95	1	He	0.093507	2.2	778.357
Pd	105	1	He	0.017018	19.8	236.677
Ag	107	1	He	0.208887	13.9	5821.060
Cd	111	1	He	0.034334	10.4	158.100
Sn	118	1	He	0.342793	3.3	4233.907
Sb	121	1	He	0.028901	27.0	538.350
Ba	138	1	He	20.717227	1.1	803830.923
Pt	195	1	He	0.007662	51.6	200.007
Hg	202	1	He	0.006849	95.2	126.667
Tl	205	1	He	0.090605	12.7	5531.017
Pb	206	1	He	1.484872	1.3	26692.273
Pb	207	1	He	1.391024	1.6	21768.253
Pb	208	1	He	1.416372	1.6	101329.440
Bi	209	1	He	0.029238	5.5	3203.723
Th	232	1	He	0.783242	1.4	62746.437
U	238	1	He	0.146814	1.1	12108.127

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.50132205	1000683.163
Sc	45	2	H2	93.03061470	6235071.500
Ge	72	1	He	91.19032523	617487.497
Ge	72	2	H2	94.14596235	1707669.833
In	115	1	He	92.59833447	6749856.947
Tb	159	1	He	96.04318710	15551523.520
Ir	193	1	He	96.04572342	7508107.390

Sample Name	4322602_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	139SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:30:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	58.472812	4.5	43578.003
Be	9	2	H2	51.673996	3.6	32796.280
B	11	2	H2	57.040403	5.8	40918.533
Na	23	1	He	1714.897132	0.6	3129478.183
Mg	24	1	He	8467.647058	0.8	8541379.040
Al	27	1	He	9609.397309	0.4	5248035.000
Si	28	2	H2	949.296240	3.0	4103130.583
K	39	1	He	2355.984449	0.5	3660497.550
Ca	43	1	He	12023.47033	0.4	55455.617
Ca	44	1	He	12300.82736	0.2	950111.610
Ti	47	1	He	222.863785	1.2	110340.257
V	51	1	He	93.644180	0.4	1095175.173
Cr	52	1	He	70.479835	0.4	987284.520
Mn	55	1	He	427.819336	0.3	4526085.500
Fe	56	1	He	16334.82241	0.5	209102736.000
Co	59	1	He	61.840531	0.7	1252320.247
Ni	60	1	He	78.089434	0.5	387857.803
Cu	63	1	He	67.324678	1.0	860199.583
Zn	66	1	He	100.326950	0.8	264336.460
As	75	1	He	54.204223	0.8	117144.770
Se	78	2	H2	49.296746	0.3	54088.423
Sr	88	1	He	70.096758	1.1	1256609.227
Mo	95	1	He	50.844550	1.2	405784.277
Pd	105	1	He	9.451680	2.9	108162.813
Ag	107	1	He	26.376193	2.7	602187.843
Cd	111	1	He	51.661357	1.1	224214.723
Sn	118	1	He	51.856454	0.8	591062.060
Sb	121	1	He	25.154810	0.4	374076.673
Ba	138	1	He	177.359709	0.5	6776453.647
Pt	195	1	He	10.417584	1.6	148201.687
Hg	202	1	He	3.873119	3.1	27844.587
Tl	205	1	He	53.274297	0.4	2768164.960
Pb	206	1	He	61.071140	0.3	1077582.793
Pb	207	1	He	61.073398	0.8	900645.453
Pb	208	1	He	60.898399	0.4	4238740.710
Bi	209	1	He	52.969704	0.5	2901743.810
Th	232	1	He	55.910914	0.8	4397474.620
U	238	1	He	50.474911	0.9	4060685.773

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.63418118	1002136.147
Sc	45	2	H2	93.20300907	6246625.667
Ge	72	1	He	90.07104950	609908.417
Ge	72	2	H2	93.43517599	1694777.210
In	115	1	He	88.94593759	6483619.367
Tb	159	1	He	94.59608003	15317204.770
Ir	193	1	He	94.37630049	7377604.893

Sample Name	4322603_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	140SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:34:26
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	65.089971	4.3	49006.930
Be	9	2	H2	58.096406	4.1	37260.750
B	11	2	H2	64.669455	5.5	46484.967
Na	23	1	He	1846.281003	0.3	3442348.073
Mg	24	1	He	8416.308325	0.2	8677306.953
Al	27	1	He	10541.74365	0.9	5884163.167
Si	28	2	H2	1140.621421	3.9	4981060.000
K	39	1	He	2543.751983	0.2	4029642.750
Ca	43	1	He	11773.13451	0.6	55499.867
Ca	44	1	He	12003.23798	0.5	947619.287
Ti	47	1	He	249.840746	0.6	126430.387
V	51	1	He	102.559426	0.6	1226076.907
Cr	52	1	He	77.249587	1.0	1105988.123
Mn	55	1	He	422.788568	1.0	4571547.167
Fe	56	1	He	16968.56181	0.6	222005930.667
Co	59	1	He	66.882184	0.4	1393395.873
Ni	60	1	He	85.750255	0.3	438079.010
Cu	63	1	He	74.608336	0.4	980682.207
Zn	66	1	He	110.480791	1.5	299465.480
As	75	1	He	58.713999	0.2	130521.177
Se	78	2	H2	55.696810	0.8	61954.960
Sr	88	1	He	76.032540	0.8	1390118.730
Mo	95	1	He	55.676876	0.8	457153.367
Pd	105	1	He	10.181906	2.6	118835.377
Ag	107	1	He	28.884674	3.2	672488.183
Cd	111	1	He	56.916367	1.2	251937.610
Sn	118	1	He	56.900735	1.4	661443.573
Sb	121	1	He	27.380318	2.0	415261.893
Ba	138	1	He	190.538155	1.1	7372311.973
Pt	195	1	He	11.137941	1.1	160453.113
Hg	202	1	He	4.290650	3.7	31234.153
Tl	205	1	He	57.922090	1.2	3047796.933
Pb	206	1	He	65.304072	1.9	1166880.943
Pb	207	1	He	65.276196	1.1	974789.383
Pb	208	1	He	64.632471	0.7	4555699.147
Bi	209	1	He	58.389234	0.4	3239063.803
Th	232	1	He	61.594484	1.0	4879587.637
U	238	1	He	55.612882	1.4	4506566.390

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.65811926	1024270.480
Sc	45	2	H2	94.18283576	6312295.333
Ge	72	1	He	92.65712609	627419.813
Ge	72	2	H2	94.72994924	1718262.500
In	115	1	He	90.71600571	6612646.597
Tb	159	1	He	95.79638132	15511560.187
Ir	193	1	He	95.06267492	7431260.307

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	141_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:38:04
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	78.753633	7.2	59099.597
Be	9	2	H2	78.419272	6.4	50136.143
B	11	2	H2	75.460972	5.1	53590.397
Na	23	1	He	2038.392070	1.3	3763230.150
Mg	24	1	He	2022.084585	1.4	2067738.303
Al	27	1	He	1977.098192	1.4	1093446.833
Si	28	2	H2	978.294307	6.9	4261632.167
K	39	1	He	2028.802318	1.3	3208806.823
Ca	43	1	He	2028.649719	0.8	9482.363
Ca	44	1	He	2005.241547	1.4	156964.277
Ti	47	1	He	77.843798	0.6	39025.593
V	51	1	He	83.010348	1.3	982743.567
Cr	52	1	He	82.746712	0.5	1173603.750
Mn	55	1	He	83.816735	1.1	898549.937
Fe	56	1	He	1044.799001	1.5	13556872.667
Co	59	1	He	83.486743	0.6	1749316.580
Ni	60	1	He	83.878632	0.5	431004.657
Cu	63	1	He	85.587966	0.5	1131448.580
Zn	66	1	He	81.088786	0.8	221107.420
As	75	1	He	78.878307	0.6	176269.627
Se	78	2	H2	77.326256	2.3	85922.103
Sr	88	1	He	75.791317	0.5	1423300.707
Mo	95	1	He	81.626109	0.9	674072.310
Pd	105	1	He	79.765201	0.7	955983.373
Ag	107	1	He	40.584774	2.7	970197.590
Cd	111	1	He	79.507276	0.5	361482.173
Sn	118	1	He	78.160338	0.2	933164.177
Sb	121	1	He	75.062829	0.5	1169167.713
Ba	138	1	He	79.143421	1.2	3105040.477
Pt	195	1	He	79.102031	1.5	1154892.977
Hg	202	1	He	3.617347	0.8	26712.550
Tl	205	1	He	39.522320	1.3	2108975.230
Pb	206	1	He	80.268955	0.8	1454335.447
Pb	207	1	He	83.791739	0.8	1268527.037
Pb	208	1	He	81.281934	1.7	5808689.727
Bi	209	1	He	84.112138	2.3	4730003.367
Th	232	1	He	79.483735	0.9	6365508.863
U	238	1	He	76.544654	1.2	6270333.243

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.78681945	1014741.710
Sc	45	2	H2	93.94059835	6296060.167
Ge	72	1	He	93.19323071	631050.000
Ge	72	2	H2	94.66078710	1717008.000
In	115	1	He	93.17628649	6791986.143
Tb	159	1	He	97.14024946	15729162.263
Ir	193	1	He	96.09980803	7512335.303

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	142_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:41:41
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.051337	47.7	104.667
Be	9	2	H2	0.019567	13.0	18.833
B	11	2	H2	-0.302517		2723.597
Na	23	1	He	1.425437	3.6	19425.303
Mg	24	1	He	-2.482222		813.360
Al	27	1	He	0.437031	13.4	481.010
Si	28	2	H2	0.047505	64.1	12310.307
K	39	1	He	6.862398	14.2	134921.487
Ca	43	1	He	0.305186	348.3	11.507
Ca	44	1	He	0.626216	82.5	225.467
Ti	47	1	He	0.005826	182.8	6.000
V	51	1	He	0.064651	115.2	-925.107
Cr	52	1	He	-0.007449		434.677
Mn	55	1	He	-0.050611		362.010
Fe	56	1	He	0.187165	17.9	18993.293
Co	59	1	He	0.002815	31.7	158.000
Ni	60	1	He	-0.126975		198.667
Cu	63	1	He	0.008590	46.4	419.343
Zn	66	1	He	0.017545	54.1	264.667
As	75	1	He	-0.019555		217.833
Se	78	2	H2	0.009137	9.1	27.667
Sr	88	1	He	0.003253	112.0	283.340
Mo	95	1	He	0.009017	49.2	96.667
Pd	105	1	He	0.008388	80.9	136.670
Ag	107	1	He	0.217504	15.5	6142.830
Cd	111	1	He	0.006571	69.3	33.303
Sn	118	1	He	0.034083	15.5	581.687
Sb	121	1	He	0.003522	57.5	148.333
Ba	138	1	He	0.015807	25.0	780.030
Pt	195	1	He	0.003774	135.4	146.667
Hg	202	1	He	0.038518	16.4	363.343
Tl	205	1	He	0.044020	25.2	3130.353
Pb	206	1	He	0.011101	17.0	298.340
Pb	207	1	He	0.004921	169.0	1051.710
Pb	208	1	He	0.009701	21.6	1980.070
Bi	209	1	He	0.003638	40.2	1810.147
Th	232	1	He	0.009898	7.6	863.367
U	238	1	He	0.004664	14.2	478.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.04162906	1017528.377
Sc	45	2	H2	95.09107122	6373166.833
Ge	72	1	He	91.92763499	622480.127
Ge	72	2	H2	96.11335737	1743355.497
In	115	1	He	94.35353734	6877800.590
Tb	159	1	He	97.67249838	15815345.177
Ir	193	1	He	97.74154645	7640673.640

Sample Name	10607968002_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	143SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:45:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.216064	3.6	3993.923
Be	9	2	H2	0.381486	5.1	251.167
B	11	2	H2	6.178818	13.0	7081.497
Na	23	1	He	529.752169	8.7	936515.870
Mg	24	1	He	2974.809801	8.1	2875756.310
Al	27	1	He	5165.156709	7.6	2702323.667
Si	28	2	H2	806.997290	4.5	3533058.500
K	39	1	He	1151.713897	7.6	1774691.433
Ca	43	1	He	4141.353886	7.4	18305.950
Ca	44	1	He	4310.129450	6.9	319127.807
Ti	47	1	He	142.783804	8.9	67672.367
V	51	1	He	20.917449	7.8	233059.557
Cr	52	1	He	12.168854	7.1	163754.097
Mn	55	1	He	244.690201	7.2	2480667.417
Fe	56	1	He	12869.43747	7.8	157797312.000
Co	59	1	He	6.291363	6.9	121854.263
Ni	60	1	He	19.589654	6.6	93602.427
Cu	63	1	He	10.808777	7.2	132230.217
Zn	66	1	He	43.861971	7.1	110558.320
As	75	1	He	2.827360	8.6	6067.530
Se	78	2	H2	0.229164	5.1	269.667
Sr	88	1	He	11.842099	5.7	208206.577
Mo	95	1	He	0.171087	14.3	1321.733
Pd	105	1	He	0.037222	37.1	443.353
Ag	107	1	He	0.173278	19.7	4660.680
Cd	111	1	He	0.145255	3.9	621.290
Sn	118	1	He	1.328369	8.8	14971.700
Sb	121	1	He	0.089220	19.0	1378.403
Ba	138	1	He	82.844294	6.0	3064788.393
Pt	195	1	He	0.005481	61.6	163.340
Hg	202	1	He	0.044129	29.7	383.347
Tl	205	1	He	0.227602	5.9	12171.390
Pb	206	1	He	5.777947	5.6	98806.013
Pb	207	1	He	5.553665	4.8	80172.767
Pb	208	1	He	5.631109	5.3	380694.997
Bi	209	1	He	0.120622	7.7	7898.820
Th	232	1	He	3.686579	6.6	281381.980
U	238	1	He	0.593399	7.0	46395.513

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.12823080	963794.127
Sc	45	2	H2	94.39376490	6326432.167
Ge	72	1	He	86.39008598	584983.087
Ge	72	2	H2	93.89430899	1703105.210
In	115	1	He	87.39646240	6370672.023
Tb	159	1	He	91.81919081	14867564.777
Ir	193	1	He	91.85573324	7180566.557

Sample Name	10607968003_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	144SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:48:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.535530	5.6	2745.700
Be	9	2	H2	0.373293	12.0	247.500
B	11	2	H2	2.449571	14.6	4590.643
Na	23	1	He	183.326052	0.3	356368.823
Mg	24	1	He	1300.790148	0.5	1341448.783
Al	27	1	He	7238.819017	0.7	4033190.167
Si	28	2	H2	831.835348	4.9	3667379.167
K	39	1	He	898.533101	0.9	1501566.643
Ca	43	1	He	1927.046406	0.8	9075.717
Ca	44	1	He	1984.373859	0.9	156507.750
Ti	47	1	He	150.693734	1.1	76113.527
V	51	1	He	19.423219	0.4	230379.953
Cr	52	1	He	12.976564	0.2	185883.677
Mn	55	1	He	70.375730	0.4	760306.227
Fe	56	1	He	6715.234825	0.8	87705736.000
Co	59	1	He	1.765586	2.8	36525.490
Ni	60	1	He	5.241393	1.4	27308.627
Cu	63	1	He	9.422344	1.3	122933.090
Zn	66	1	He	35.125269	2.6	94432.047
As	75	1	He	0.953256	2.0	2354.990
Se	78	2	H2	0.200740	18.4	241.667
Sr	88	1	He	8.806871	2.2	165474.503
Mo	95	1	He	0.101631	11.8	850.030
Pd	105	1	He	0.029989	0.9	393.343
Ag	107	1	He	0.089711	2.1	3008.623
Cd	111	1	He	0.150102	16.3	684.767
Sn	118	1	He	1.258181	2.8	15176.810
Sb	121	1	He	0.051835	5.5	898.370
Ba	138	1	He	67.398008	0.5	2653089.857
Pt	195	1	He	0.002874	87.8	133.333
Hg	202	1	He	0.039140	26.6	366.680
Tl	205	1	He	0.150599	3.0	8827.493
Pb	206	1	He	6.720784	1.9	122250.737
Pb	207	1	He	6.393832	2.2	98006.253
Pb	208	1	He	6.496069	2.2	466934.720
Bi	209	1	He	0.096067	5.6	7018.343
Th	232	1	He	4.044939	1.0	324479.890
U	238	1	He	1.096817	0.9	90067.437

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.48079281	1022331.190
Sc	45	2	H2	94.98553329	6366093.500
Ge	72	1	He	91.77744431	621463.123
Ge	72	2	H2	95.48652688	1731985.710
In	115	1	He	93.10848945	6787044.150
Tb	159	1	He	97.45819022	15780643.930
Ir	193	1	He	96.24099203	7523371.970

Sample Name	10608145001_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	145SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:52:29
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.510924	4.5	4919.477
Be	9	2	H2	0.400943	5.1	261.000
B	11	2	H2	4.823062	6.9	6101.143
Na	23	1	He	139.476648	1.3	270782.240
Mg	24	1	He	8481.151753	0.6	8588452.790
Al	27	1	He	6873.766470	0.5	3768737.833
Si	28	2	H2	1069.346734	12.9	4639238.917
K	39	1	He	857.666874	1.2	1415999.717
Ca	43	1	He	15642.76473	0.5	72428.723
Ca	44	1	He	15892.04585	0.7	1232225.417
Ti	47	1	He	209.123988	0.7	103943.220
V	51	1	He	26.797871	1.2	313429.467
Cr	52	1	He	14.762307	0.2	208021.577
Mn	55	1	He	386.069909	0.2	4100476.167
Fe	56	1	He	12485.57531	0.5	160455498.667
Co	59	1	He	6.282161	1.0	127022.717
Ni	60	1	He	15.883426	0.5	79367.393
Cu	63	1	He	12.640557	0.7	161392.470
Zn	66	1	He	49.115965	1.1	129228.277
As	75	1	He	3.785342	0.6	8399.813
Se	78	2	H2	0.206930	9.8	245.333
Sr	88	1	He	15.758856	1.1	289134.630
Mo	95	1	He	0.277671	4.6	2233.500
Pd	105	1	He	0.041598	8.8	520.020
Ag	107	1	He	0.065521	16.1	2375.187
Cd	111	1	He	0.118955	15.3	531.007
Sn	118	1	He	1.398600	1.3	16466.363
Sb	121	1	He	0.104523	9.5	1678.430
Ba	138	1	He	74.454652	0.5	2892825.687
Pt	195	1	He	0.003699	102.7	143.333
Hg	202	1	He	0.024637	17.3	256.677
Tl	205	1	He	0.156866	1.6	9042.633
Pb	206	1	He	7.681919	1.4	137915.750
Pb	207	1	He	7.072080	1.9	106897.763
Pb	208	1	He	7.283301	0.5	516608.673
Bi	209	1	He	0.098587	6.5	7068.377
Th	232	1	He	3.587077	0.7	285555.283
U	238	1	He	0.573851	0.3	46804.747

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.99218715	1006051.397
Sc	45	2	H2	93.39989053	6259821.000
Ge	72	1	He	89.86407010	608506.873
Ge	72	2	H2	93.99291361	1704893.753
In	115	1	He	90.98104052	6631966.027
Tb	159	1	He	96.19263130	15575721.853
Ir	193	1	He	95.50453049	7465801.137

Sample Name	10608145002_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	146SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:56:08
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.727983	4.5	4517.377
Be	9	2	H2	0.507665	3.5	342.667
B	11	2	H2	3.080170	23.2	5150.837
Na	23	1	He	87.532667	0.3	180211.547
Mg	24	1	He	2390.161367	0.2	2479060.847
Al	27	1	He	9612.408937	0.2	5392566.167
Si	28	2	H2	835.781426	2.9	3770113.167
K	39	1	He	710.644221	2.5	1222035.267
Ca	43	1	He	2555.277823	0.6	12114.593
Ca	44	1	He	2623.208924	0.7	208272.987
Ti	47	1	He	198.334885	1.1	100870.987
V	51	1	He	31.541616	0.2	377772.240
Cr	52	1	He	16.740268	0.3	241295.140
Mn	55	1	He	263.368882	0.3	2862478.833
Fe	56	1	He	15927.75139	0.4	209435440.000
Co	59	1	He	6.120109	0.8	126305.847
Ni	60	1	He	11.023723	0.4	56480.687
Cu	63	1	He	15.665717	0.8	204092.190
Zn	66	1	He	52.952269	0.6	142189.863
As	75	1	He	6.226330	0.8	13933.420
Se	78	2	H2	0.408781	2.1	482.010
Sr	88	1	He	10.198960	1.7	190904.383
Mo	95	1	He	0.247536	3.2	2035.140
Pd	105	1	He	0.050738	15.5	640.023
Ag	107	1	He	0.049953	13.1	2053.480
Cd	111	1	He	0.048533	26.5	222.727
Sn	118	1	He	1.386034	1.2	16643.167
Sb	121	1	He	0.085984	7.3	1425.070
Ba	138	1	He	73.677423	1.5	2891904.750
Pt	195	1	He	0.002708	118.9	130.000
Hg	202	1	He	0.037904	15.7	356.680
Tl	205	1	He	0.125581	3.7	7468.490
Pb	206	1	He	9.688596	0.9	175716.643
Pb	207	1	He	9.145208	0.8	139391.423
Pb	208	1	He	9.338767	0.3	668883.100
Bi	209	1	He	0.111311	5.7	7855.430
Th	232	1	He	4.060578	0.9	326703.220
U	238	1	He	0.610290	2.7	50305.710

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.12664220	1029394.373
Sc	45	2	H2	97.32196504	6522685.167
Ge	72	1	He	91.72249567	621091.043
Ge	72	2	H2	96.81895478	1756154.000
In	115	1	He	92.78554703	6763503.607
Tb	159	1	He	97.18550012	15736489.350
Ir	193	1	He	96.52396502	7545492.597

Sample Name	10608145003_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	147SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:59:47
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.923618	6.5	3730.707
Be	9	2	H2	0.284367	8.8	186.833
B	11	2	H2	4.791843	18.6	6081.110
Na	23	1	He	242.251869	2.3	458376.087
Mg	24	1	He	9878.146593	1.7	10009469.227
Al	27	1	He	4493.064948	2.1	2465172.667
Si	28	2	H2	1094.680314	12.3	4743920.750
K	39	1	He	719.002757	0.1	1207889.357
Ca	43	1	He	35460.26291	1.9	164282.940
Ca	44	1	He	35792.67749	1.9	2776916.570
Ti	47	1	He	185.474705	1.6	92249.370
V	51	1	He	21.886647	1.7	255849.020
Cr	52	1	He	10.922423	1.7	154155.173
Mn	55	1	He	314.819240	1.4	3346172.250
Fe	56	1	He	10440.31402	1.9	134264768.000
Co	59	1	He	4.379806	1.4	88027.143
Ni	60	1	He	11.440075	2.0	57030.350
Cu	63	1	He	9.563608	1.0	121410.670
Zn	66	1	He	28.091606	1.0	73535.617
As	75	1	He	2.491226	2.9	5579.373
Se	78	2	H2	0.138962	13.4	170.000
Sr	88	1	He	26.314465	1.3	482249.720
Mo	95	1	He	0.355012	7.7	2831.933
Pd	105	1	He	0.032520	31.7	413.347
Ag	107	1	He	0.047953	20.0	1965.133
Cd	111	1	He	0.125395	4.9	559.167
Sn	118	1	He	1.214751	4.6	14309.430
Sb	121	1	He	0.091512	7.5	1480.083
Ba	138	1	He	56.043406	1.3	2172256.217
Pt	195	1	He	0.002560	60.5	126.667
Hg	202	1	He	0.022439	54.9	240.007
Tl	205	1	He	0.102403	1.4	6151.257
Pb	206	1	He	4.832386	1.4	86580.717
Pb	207	1	He	4.447058	1.2	67416.443
Pb	208	1	He	4.611498	1.0	326774.480
Bi	209	1	He	0.070192	5.2	5474.387
Th	232	1	He	2.930103	1.0	232296.307
U	238	1	He	0.529604	0.9	43024.053

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.06025363	1006795.790
Sc	45	2	H2	93.26138567	6250538.167
Ge	72	1	He	89.30356782	604711.480
Ge	72	2	H2	93.82545925	1701856.377
In	115	1	He	90.90669057	6626546.367
Tb	159	1	He	95.96396180	15538695.187
Ir	193	1	He	95.11465682	7435323.847

Sample Name	10608145004_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	148SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:03:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.680540	5.9	3569.340
Be	9	2	H2	0.242633	5.7	160.833
B	11	2	H2	3.323755	17.5	5120.817
Na	23	1	He	346.591170	1.6	651156.357
Mg	24	1	He	11370.71661	1.3	11565833.580
Al	27	1	He	4112.618719	0.6	2265302.583
Si	28	2	H2	1250.955527	9.4	5442926.000
K	39	1	He	649.094235	0.8	1106670.010
Ca	43	1	He	30353.43701	0.5	141177.930
Ca	44	1	He	30728.05930	0.9	2393305.933
Ti	47	1	He	189.994317	1.4	94859.433
V	51	1	He	20.746668	1.6	243371.603
Cr	52	1	He	10.473739	0.7	148420.020
Mn	55	1	He	272.579252	0.5	2908620.750
Fe	56	1	He	9117.277894	0.9	117708146.667
Co	59	1	He	3.937433	0.2	79877.540
Ni	60	1	He	10.647754	0.4	53629.320
Cu	63	1	He	10.089542	0.5	129254.797
Zn	66	1	He	24.197150	1.9	63961.300
As	75	1	He	1.517916	1.1	3531.187
Se	78	2	H2	0.124008	8.2	154.333
Sr	88	1	He	21.461603	1.9	393549.593
Mo	95	1	He	0.156858	20.0	1276.730
Pd	105	1	He	0.034465	10.0	436.683
Ag	107	1	He	0.033645	13.0	1631.763
Cd	111	1	He	0.107312	12.9	479.630
Sn	118	1	He	1.194785	2.7	14089.217
Sb	121	1	He	0.086828	5.3	1410.073
Ba	138	1	He	45.628095	0.5	1768387.683
Pt	195	1	He	0.003498	118.7	140.003
Hg	202	1	He	0.017865	23.3	206.677
Tl	205	1	He	0.103389	5.1	6204.587
Pb	206	1	He	3.947425	0.8	70733.523
Pb	207	1	He	3.698531	0.5	56226.793
Pb	208	1	He	3.815255	0.3	270537.423
Bi	209	1	He	0.057767	18.0	4787.500
Th	232	1	He	2.164728	0.5	172125.243
U	238	1	He	0.410629	1.0	33474.287

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.41790360	1010707.147
Sc	45	2	H2	93.74976469	6283270.167
Ge	72	1	He	90.12123547	610248.247
Ge	72	2	H2	94.30202972	1710500.667
In	115	1	He	90.95901235	6630360.307
Tb	159	1	He	95.95144550	15536668.520
Ir	193	1	He	95.37897173	7455985.930

Sample Name	10608145005_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	149SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:07:02
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.827349	5.5	2142.957
Be	9	2	H2	0.111389	21.2	76.000
B	11	2	H2	1.651229	23.0	3930.507
Na	23	1	He	349.634180	7.2	618606.240
Mg	24	1	He	4409.729998	6.8	4227327.227
Al	27	1	He	2362.455590	7.4	1225509.793
Si	28	2	H2	511.836145	1.6	2191322.290
K	39	1	He	342.310986	10.5	604327.020
Ca	43	1	He	9724.858641	7.7	42596.190
Ca	44	1	He	10100.96044	7.9	740843.157
Ti	47	1	He	178.707095	7.1	84043.653
V	51	1	He	14.816433	6.0	163341.603
Cr	52	1	He	15.342816	8.2	204437.297
Mn	55	1	He	105.574923	7.3	1061455.793
Fe	56	1	He	6590.892061	6.8	80160842.667
Co	59	1	He	3.015028	7.5	58895.497
Ni	60	1	He	8.823477	6.7	42930.923
Cu	63	1	He	15.647235	6.7	192846.697
Zn	66	1	He	72.183243	7.3	183245.947
As	75	1	He	1.094544	10.6	2517.680
Se	78	2	H2	0.138823	15.6	169.000
Sr	88	1	He	9.195522	8.3	160124.470
Mo	95	1	He	0.506915	4.8	3923.817
Pd	105	1	He	0.023502	7.6	293.343
Ag	107	1	He	0.046095	22.6	1820.117
Cd	111	1	He	0.116596	4.0	497.170
Sn	118	1	He	1.977413	11.3	21980.877
Sb	121	1	He	0.305998	11.9	4490.643
Ba	138	1	He	20.755967	8.4	754315.693
Pt	195	1	He	0.004039	32.1	140.000
Hg	202	1	He	0.054628	18.8	443.350
Tl	205	1	He	0.030345	25.4	2196.843
Pb	206	1	He	4.995638	10.1	83834.763
Pb	207	1	He	4.759212	8.4	67578.843
Pb	208	1	He	4.808059	8.9	319271.747
Bi	209	1	He	0.045286	9.9	3840.547
Th	232	1	He	1.030486	8.4	76796.957
U	238	1	He	0.382241	9.7	29184.033

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	87.33558912	955125.583
Sc	45	2	H2	92.10704341	6173172.167
Ge	72	1	He	87.03799590	589370.353
Ge	72	2	H2	93.45929352	1695214.667
In	115	1	He	86.71103921	6320708.830
Tb	159	1	He	90.35163158	14629934.367
Ir	193	1	He	89.76467450	7017103.853

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	150_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:10:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	79.604210	4.7	60514.193
Be	9	2	H2	79.198478	3.4	51279.483
B	11	2	H2	76.304039	5.2	54851.120
Na	23	1	He	2026.732483	1.4	3809639.943
Mg	24	1	He	2018.374841	1.2	2101448.770
Al	27	1	He	1969.355676	1.1	1108946.417
Si	28	2	H2	996.936740	5.1	4398455.083
K	39	1	He	2039.583758	1.7	3283645.367
Ca	43	1	He	2011.971486	0.5	9575.533
Ca	44	1	He	1997.426060	1.3	159191.523
Ti	47	1	He	76.170206	2.2	38875.243
V	51	1	He	81.785483	1.6	985751.717
Cr	52	1	He	82.294528	1.5	1188253.420
Mn	55	1	He	83.548467	0.9	911965.773
Fe	56	1	He	1035.363368	1.2	13678775.667
Co	59	1	He	83.866390	0.8	1767693.960
Ni	60	1	He	84.467751	0.4	436609.263
Cu	63	1	He	86.821273	0.3	1154564.460
Zn	66	1	He	81.714983	0.7	224137.313
As	75	1	He	79.526183	0.3	178768.663
Se	78	2	H2	78.670275	0.9	88320.477
Sr	88	1	He	75.886984	0.9	1436863.467
Mo	95	1	He	81.709252	0.7	678780.797
Pd	105	1	He	79.364452	0.9	959029.203
Ag	107	1	He	39.928733	3.3	962357.823
Cd	111	1	He	78.629405	0.3	360441.190
Sn	118	1	He	78.619842	1.1	946389.777
Sb	121	1	He	75.367912	0.5	1183604.127
Ba	138	1	He	79.756479	1.3	3117855.787
Pt	195	1	He	79.932272	0.3	1162898.080
Hg	202	1	He	3.600145	1.4	26492.280
Tl	205	1	He	39.729007	0.6	2112410.853
Pb	206	1	He	80.365474	0.7	1450905.393
Pb	207	1	He	83.576069	0.7	1260722.220
Pb	208	1	He	81.706123	0.9	5818387.567
Bi	209	1	He	84.285361	1.0	4723105.450
Th	232	1	He	78.725950	0.4	6323118.033
U	238	1	He	76.096949	0.9	6251693.867

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.47199730	1033171.270
Sc	45	2	H2	95.08740077	6372920.833
Ge	72	1	He	93.74640169	634795.750
Ge	72	2	H2	95.60954086	1734217.003
In	115	1	He	93.94603302	6848095.997
Tb	159	1	He	96.78989347	15672431.853
Ir	193	1	He	96.37694987	7534000.097

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	151_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:14:15
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.021901	24.6	83.667
Be	9	2	H2	0.026220	31.0	23.667
B	11	2	H2	-0.691142		2506.893
Na	23	1	He	0.174219	251.3	17540.047
Mg	24	1	He	-2.553407		758.360
Al	27	1	He	0.321717	12.8	427.343
Si	28	2	H2	-0.084376		11963.373
K	39	1	He	7.328354	5.6	138954.007
Ca	43	1	He	1.141022	36.9	15.780
Ca	44	1	He	1.224923	82.0	278.990
Ti	47	1	He	0.024897	26.7	16.000
V	51	1	He	-0.022804		-2012.247
Cr	52	1	He	-0.006652		457.343
Mn	55	1	He	-0.054522		328.003
Fe	56	1	He	0.135392	10.2	18770.420
Co	59	1	He	0.001525	119.2	134.000
Ni	60	1	He	-0.131745		178.000
Cu	63	1	He	0.004584	28.7	374.677
Zn	66	1	He	0.002964	342.1	230.000
As	75	1	He	-0.014603		233.333
Se	78	2	H2	0.004414	80.1	22.667
Sr	88	1	He	0.002261	114.7	271.670
Mo	95	1	He	0.011023	16.9	115.000
Pd	105	1	He	0.002233	19.0	63.333
Ag	107	1	He	0.199320	14.5	5847.717
Cd	111	1	He	0.008504	29.5	43.300
Sn	118	1	He	0.021585	25.2	441.677
Sb	121	1	He	0.005763	21.2	188.333
Ba	138	1	He	0.011869	10.1	633.353
Pt	195	1	He	0.001617	132.5	116.667
Hg	202	1	He	0.022730	34.8	250.010
Tl	205	1	He	0.042584	29.3	3097.003
Pb	206	1	He	0.006999	24.1	226.670
Pb	207	1	He	0.001258	253.0	1010.043
Pb	208	1	He	0.006068	19.8	1743.393
Bi	209	1	He	0.003944	3.6	1853.477
Th	232	1	He	0.006627	22.0	600.017
U	238	1	He	0.003536	3.1	386.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.31680850	1042410.353
Sc	45	2	H2	96.89738624	6494229.167
Ge	72	1	He	93.75123180	634828.457
Ge	72	2	H2	97.48564295	1768246.747
In	115	1	He	96.74443055	7052082.203
Tb	159	1	He	99.05814589	16039712.260
Ir	193	1	He	98.33904123	7687381.133

Sample Name	10608145006_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	152SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:17:51
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.844600	5.2	2944.397
Be	9	2	H2	0.231820	15.7	154.333
B	11	2	H2	2.812315	33.2	4784.050
Na	23	1	He	1006.332550	0.5	1829563.047
Mg	24	1	He	4936.668181	0.8	4944011.697
Al	27	1	He	4563.958299	0.8	2474113.083
Si	28	2	H2	959.509621	1.8	4170519.917
K	39	1	He	593.336799	0.9	1006046.623
Ca	43	1	He	12296.96539	0.6	56294.990
Ca	44	1	He	12675.76271	0.1	971770.973
Ti	47	1	He	157.829328	0.7	77559.973
V	51	1	He	17.040911	1.0	196452.637
Cr	52	1	He	9.651954	0.9	134655.187
Mn	55	1	He	172.831515	0.7	1815373.627
Fe	56	1	He	7787.092402	0.5	98949392.000
Co	59	1	He	3.543190	1.0	71264.463
Ni	60	1	He	8.819117	1.8	44171.173
Cu	63	1	He	7.989783	1.0	101526.070
Zn	66	1	He	26.611912	2.0	69700.460
As	75	1	He	2.055791	1.6	4651.610
Se	78	2	H2	0.172607	5.0	207.333
Sr	88	1	He	11.768960	1.0	214078.963
Mo	95	1	He	0.307710	6.9	2458.530
Pd	105	1	He	0.032473	19.5	410.013
Ag	107	1	He	0.117757	9.2	3562.070
Cd	111	1	He	0.103702	4.2	459.273
Sn	118	1	He	1.172518	1.2	13708.923
Sb	121	1	He	0.081171	12.5	1311.730
Ba	138	1	He	51.516145	0.9	1978363.460
Pt	195	1	He	0.004055	37.7	146.667
Hg	202	1	He	0.038068	32.5	350.013
Tl	205	1	He	0.098575	1.1	5894.483
Pb	206	1	He	5.193008	0.4	92179.833
Pb	207	1	He	4.902174	0.3	73535.000
Pb	208	1	He	5.001698	0.8	351063.733
Bi	209	1	He	0.061523	1.9	4947.533
Th	232	1	He	2.182382	1.7	171710.807
U	238	1	He	0.473770	1.6	38203.310

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.95173125	994672.690
Sc	45	2	H2	93.80573908	6287021.667
Ge	72	1	He	89.34394540	604984.893
Ge	72	2	H2	93.96837322	1704448.627
In	115	1	He	90.18027590	6573595.143
Tb	159	1	He	95.07631583	15394965.603
Ir	193	1	He	94.38306436	7378133.640

Sample Name	10608146001_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	153SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:21:26
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.880786	4.7	3750.710
Be	9	2	H2	0.470487	4.7	309.167
B	11	2	H2	3.034197	24.9	4977.420
Na	23	1	He	119.779664	1.4	234891.540
Mg	24	1	He	2760.398027	1.1	2797602.357
Al	27	1	He	6145.145044	0.7	3369287.417
Si	28	2	H2	1068.233978	6.5	4687806.500
K	39	1	He	773.879508	0.8	1289676.727
Ca	43	1	He	5008.812997	1.6	23198.857
Ca	44	1	He	5152.976435	0.8	399666.543
Ti	47	1	He	123.039116	4.0	61161.290
V	51	1	He	23.074034	0.4	269630.037
Cr	52	1	He	12.262270	0.9	172883.000
Mn	55	1	He	320.391920	0.7	3403034.167
Fe	56	1	He	11020.78881	0.0	141630997.333
Co	59	1	He	5.285732	1.2	106821.723
Ni	60	1	He	12.274603	1.1	61482.167
Cu	63	1	He	10.577793	0.3	135011.977
Zn	66	1	He	49.342666	0.7	129733.303
As	75	1	He	2.039983	1.0	4640.940
Se	78	2	H2	0.233382	3.7	276.000
Sr	88	1	He	11.756285	1.3	218247.980
Mo	95	1	He	0.164101	7.0	1328.397
Pd	105	1	He	0.038819	8.9	493.353
Ag	107	1	He	0.082557	1.5	2805.257
Cd	111	1	He	0.110569	5.2	499.613
Sn	118	1	He	1.237797	1.4	14759.800
Sb	121	1	He	0.061291	6.8	1033.377
Ba	138	1	He	82.390894	1.0	3196704.223
Pt	195	1	He	0.002324	169.0	123.333
Hg	202	1	He	0.029735	5.2	293.343
Tl	205	1	He	0.112592	1.9	6694.790
Pb	206	1	He	7.372150	2.1	132172.847
Pb	207	1	He	7.004587	2.0	105743.453
Pb	208	1	He	7.132706	1.6	505247.717
Bi	209	1	He	0.098686	5.5	7065.067
Th	232	1	He	3.329671	1.5	265410.923
U	238	1	He	0.466130	2.6	38087.980

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.98957139	1006022.790
Sc	45	2	H2	94.58953975	6339553.333
Ge	72	1	He	89.80148495	608083.083
Ge	72	2	H2	94.51173280	1714304.373
In	115	1	He	92.03319440	6708661.663
Tb	159	1	He	96.05737858	15553821.437
Ir	193	1	He	95.63561925	7476048.637

Sample Name	10608146002_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	154SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:25:04
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.317565	4.1	2513.503
Be	9	2	H2	0.306746	7.7	199.167
B	11	2	H2	2.665359	12.8	4614.003
Na	23	1	He	134.321869	2.7	257468.677
Mg	24	1	He	1752.310467	0.5	1750547.110
Al	27	1	He	4535.974933	0.3	2449888.667
Si	28	2	H2	948.029605	1.4	4065887.750
K	39	1	He	680.966284	0.6	1132456.153
Ca	43	1	He	3165.578489	0.9	14445.920
Ca	44	1	He	3237.032292	0.8	247376.020
Ti	47	1	He	102.035446	3.1	49960.333
V	51	1	He	16.102053	2.6	184864.887
Cr	52	1	He	8.965632	1.1	124655.283
Mn	55	1	He	371.806383	0.9	3889947.250
Fe	56	1	He	9699.902229	0.4	122798170.667
Co	59	1	He	3.542725	1.4	71037.610
Ni	60	1	He	8.147913	1.3	40749.880
Cu	63	1	He	9.099189	1.0	115229.920
Zn	66	1	He	38.191451	1.1	99638.397
As	75	1	He	1.864826	1.1	4229.673
Se	78	2	H2	0.244836	8.1	284.000
Sr	88	1	He	8.825136	0.9	161459.723
Mo	95	1	He	0.138459	0.4	1115.050
Pd	105	1	He	0.026584	18.9	343.347
Ag	107	1	He	0.054082	7.4	2101.813
Cd	111	1	He	0.110388	6.9	491.343
Sn	118	1	He	1.178672	2.0	13854.033
Sb	121	1	He	0.056351	11.4	943.370
Ba	138	1	He	77.988065	0.5	2985725.997
Pt	195	1	He	0.013221	27.0	276.677
Hg	202	1	He	0.032998	42.5	313.343
Tl	205	1	He	0.083067	1.9	5069.180
Pb	206	1	He	5.748491	1.7	101710.717
Pb	207	1	He	5.469514	1.7	81677.233
Pb	208	1	He	5.586537	1.0	390736.513
Bi	209	1	He	0.069379	5.7	5364.333
Th	232	1	He	2.375336	1.3	187393.250
U	238	1	He	0.511579	1.0	41356.207

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.61687638	991010.627
Sc	45	2	H2	92.53482018	6201842.500
Ge	72	1	He	89.06811086	603117.103
Ge	72	2	H2	92.96084716	1686173.580
In	115	1	He	90.67301484	6609512.823
Tb	159	1	He	94.78385798	15347610.187
Ir	193	1	He	94.64082856	7398283.640

Sample Name	10608146003_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	155SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:28:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.722065	3.9	3731.370
Be	9	2	H2	0.494577	4.0	333.833
B	11	2	H2	3.437098	15.0	5394.223
Na	23	1	He	160.709700	0.7	318399.163
Mg	24	1	He	2291.649512	0.7	2389982.360
Al	27	1	He	6910.590619	0.4	3898344.667
Si	28	2	H2	1043.752832	5.8	4707387.667
K	39	1	He	926.601850	0.7	1563750.863
Ca	43	1	He	4341.460213	0.8	20690.150
Ca	44	1	He	4480.812577	0.5	357596.800
Ti	47	1	He	116.974477	0.2	59819.057
V	51	1	He	23.021337	0.5	276782.380
Cr	52	1	He	12.540198	1.0	181903.147
Mn	55	1	He	924.877981	1.0	10105916.667
Fe	56	1	He	14530.87824	0.4	192122848.000
Co	59	1	He	6.445766	1.0	132857.777
Ni	60	1	He	12.275613	0.5	62719.660
Cu	63	1	He	9.627681	0.7	125385.223
Zn	66	1	He	53.586052	1.5	143712.530
As	75	1	He	3.917505	2.2	8852.860
Se	78	2	H2	0.279622	4.2	335.667
Sr	88	1	He	12.699613	1.1	240058.093
Mo	95	1	He	0.231060	2.9	1898.460
Pd	105	1	He	0.032844	23.0	430.013
Ag	107	1	He	0.061092	12.7	2341.850
Cd	111	1	He	0.153075	7.7	702.787
Sn	118	1	He	1.222081	0.9	14839.863
Sb	121	1	He	0.061450	8.3	1055.043
Ba	138	1	He	103.707341	1.4	4069277.753
Pt	195	1	He	-0.000052		90.000
Hg	202	1	He	0.035169	16.0	336.677
Tl	205	1	He	0.118764	2.9	7099.983
Pb	206	1	He	9.498387	2.4	172190.707
Pb	207	1	He	9.050043	2.4	137883.447
Pb	208	1	He	9.248244	2.1	662148.793
Bi	209	1	He	0.118012	4.1	8232.290
Th	232	1	He	3.321947	2.7	267027.297
U	238	1	He	0.606489	4.4	49942.977

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.64524741	1035065.980
Sc	45	2	H2	97.26683117	6518990.000
Ge	72	1	He	91.60715148	620310.000
Ge	72	2	H2	96.95147448	1758557.713
In	115	1	He	93.71346630	6831143.293
Tb	159	1	He	97.14545517	15730005.183
Ir	193	1	He	96.43741466	7538726.763

Sample Name	10608146004_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	156SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:32:18
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.824242	3.7	4689.417
Be	9	2	H2	0.510194	5.5	351.167
B	11	2	H2	3.826639	5.0	5784.363
Na	23	1	He	229.629530	0.2	454414.300
Mg	24	1	He	3031.459651	0.5	3208473.490
Al	27	1	He	7440.429180	0.5	4260698.667
Si	28	2	H2	966.733483	5.2	4458949.667
K	39	1	He	1034.660868	0.2	1757679.560
Ca	43	1	He	5279.006661	0.5	25536.353
Ca	44	1	He	5426.131880	0.9	439552.573
Ti	47	1	He	121.665890	2.0	63157.380
V	51	1	He	28.337896	0.5	346272.883
Cr	52	1	He	14.281348	0.3	210209.747
Mn	55	1	He	761.453923	0.8	8445758.333
Fe	56	1	He	16304.12128	0.4	218835936.000
Co	59	1	He	10.609123	0.7	222426.197
Ni	60	1	He	17.651696	0.4	91393.137
Cu	63	1	He	13.899303	0.7	184043.373
Zn	66	1	He	55.395445	0.8	151148.253
As	75	1	He	5.507848	1.3	12556.573
Se	78	2	H2	0.279934	5.6	342.000
Sr	88	1	He	15.572055	1.3	298275.647
Mo	95	1	He	0.170971	8.4	1435.073
Pd	105	1	He	0.038073	22.4	500.017
Ag	107	1	He	0.079414	2.4	2818.590
Cd	111	1	He	0.207811	3.0	966.277
Sn	118	1	He	1.286508	2.1	15825.767
Sb	121	1	He	0.092485	3.6	1561.753
Ba	138	1	He	125.309419	0.8	4982752.323
Pt	195	1	He	0.001231	289.3	110.000
Hg	202	1	He	0.029619	40.9	300.007
Tl	205	1	He	0.126549	5.3	7615.220
Pb	206	1	He	14.934748	0.8	274320.310
Pb	207	1	He	14.344224	2.4	220884.553
Pb	208	1	He	14.480206	0.9	1049925.340
Bi	209	1	He	0.123841	4.7	8672.543
Th	232	1	He	3.826348	1.2	308954.047
U	238	1	He	0.611284	0.7	50566.600

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.08109254	1050768.770
Sc	45	2	H2	99.40920890	6662575.833
Ge	72	1	He	93.20994312	631163.167
Ge	72	2	H2	98.60210816	1788497.790
In	115	1	He	94.98215411	6923622.940
Tb	159	1	He	98.45022531	15941276.427
Ir	193	1	He	96.87273823	7572756.973

Sample Name	10608146005_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	157SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:35:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.251195	4.7	5054.013
Be	9	2	H2	0.564647	10.2	390.670
B	11	2	H2	5.125868	18.0	6754.690
Na	23	1	He	220.854887	0.9	445874.303
Mg	24	1	He	4115.251016	0.6	4435585.767
Al	27	1	He	7416.552819	0.0	4326307.500
Si	28	2	H2	904.162885	2.4	4188247.583
K	39	1	He	1085.862963	0.8	1872582.157
Ca	43	1	He	6909.874289	0.9	34044.803
Ca	44	1	He	7049.942362	0.4	581684.370
Ti	47	1	He	133.225390	2.4	70452.133
V	51	1	He	34.191263	1.0	425956.257
Cr	52	1	He	14.592250	1.2	218776.947
Mn	55	1	He	879.183633	0.4	9933543.667
Fe	56	1	He	20326.67398	0.5	277914528.000
Co	59	1	He	7.112096	0.7	151434.667
Ni	60	1	He	20.609005	0.8	108200.520
Cu	63	1	He	15.709050	0.4	211160.317
Zn	66	1	He	55.387617	0.5	153453.333
As	75	1	He	10.684837	0.4	24482.213
Se	78	2	H2	0.285031	3.2	348.667
Sr	88	1	He	17.257902	0.2	334462.520
Mo	95	1	He	0.369076	3.4	3118.643
Pd	105	1	He	0.041367	14.3	546.690
Ag	107	1	He	0.071903	3.7	2666.903
Cd	111	1	He	0.203540	15.9	957.437
Sn	118	1	He	1.311267	5.4	16317.877
Sb	121	1	He	0.138109	7.8	2313.513
Ba	138	1	He	123.258512	0.3	4928557.323
Pt	195	1	He	0.002748	259.4	133.337
Hg	202	1	He	0.041875	36.3	393.347
Tl	205	1	He	0.161398	3.1	9552.913
Pb	206	1	He	14.140392	1.1	261182.907
Pb	207	1	He	13.517774	0.4	209392.347
Pb	208	1	He	13.755973	0.4	1003011.797
Bi	209	1	He	0.166981	1.2	11194.137
Th	232	1	He	4.315031	1.1	351343.550
U	238	1	He	0.593249	1.5	49491.473

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.87283507	1070363.750
Sc	45	2	H2	99.88849882	6694698.667
Ge	72	1	He	94.64578885	640885.873
Ge	72	2	H2	98.89342184	1793781.793
In	115	1	He	96.10885444	7005752.560
Tb	159	1	He	98.99612021	16029668.927
Ir	193	1	He	97.68612122	7636340.927

Sample Name	10608146006_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	158SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:39:32
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.654000	5.3	4287.490
Be	9	2	H2	0.348356	11.5	228.000
B	11	2	H2	5.702825	3.6	6697.983
Na	23	1	He	112.296917	1.9	219712.020
Mg	24	1	He	5593.520958	1.5	5626140.960
Al	27	1	He	5654.631804	0.9	3078893.500
Si	28	2	H2	936.582221	4.1	4064187.667
K	39	1	He	1021.581819	1.1	1651670.130
Ca	43	1	He	14560.91103	0.9	66953.040
Ca	44	1	He	15099.28325	0.8	1162664.147
Ti	47	1	He	133.435863	2.9	65868.320
V	51	1	He	22.373298	1.4	259583.587
Cr	52	1	He	11.639853	0.9	162997.273
Mn	55	1	He	476.742504	0.8	5028204.333
Fe	56	1	He	13430.87962	1.0	171407520.000
Co	59	1	He	7.771402	0.6	156349.760
Ni	60	1	He	16.117185	0.7	80134.087
Cu	63	1	He	10.870907	0.4	138165.567
Zn	66	1	He	42.899887	0.6	112352.593
As	75	1	He	3.938404	0.6	8686.610
Se	78	2	H2	0.246349	15.0	288.333
Sr	88	1	He	19.133928	0.6	351294.227
Mo	95	1	He	0.402418	7.6	3211.993
Pd	105	1	He	0.029600	10.7	380.013
Ag	107	1	He	0.044544	7.2	1888.460
Cd	111	1	He	0.128926	6.4	575.717
Sn	118	1	He	1.261569	3.6	14881.553
Sb	121	1	He	0.098693	11.5	1591.757
Ba	138	1	He	126.452278	0.3	4850197.323
Pt	195	1	He	0.004518	89.8	153.337
Hg	202	1	He	0.025116	22.8	256.673
Tl	205	1	He	0.133192	4.6	7693.590
Pb	206	1	He	11.361872	1.2	201332.533
Pb	207	1	He	10.903449	1.4	162201.343
Pb	208	1	He	11.116039	0.7	777738.950
Bi	209	1	He	0.100874	11.1	7105.077
Th	232	1	He	3.257920	0.9	255859.540
U	238	1	He	0.449094	2.6	36153.687

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.35718607	999106.853
Sc	45	2	H2	93.57342135	6271451.333
Ge	72	1	He	89.42906498	605561.273
Ge	72	2	H2	94.00199630	1705058.500
In	115	1	He	91.05374803	6637265.963
Tb	159	1	He	94.96077165	15376256.437
Ir	193	1	He	94.21782560	7365216.560

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	159_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:43:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	78.334342	4.7	59626.413
Be	9	2	H2	78.509852	3.3	50897.143
B	11	2	H2	73.962564	4.7	53323.117
Na	23	1	He	2019.627531	1.3	3800107.237
Mg	24	1	He	2011.293140	1.4	2096121.217
Al	27	1	He	1977.973545	0.7	1114931.170
Si	28	2	H2	983.572127	4.8	4344874.333
K	39	1	He	2043.327225	2.1	3292689.430
Ca	43	1	He	2012.710984	1.6	9587.960
Ca	44	1	He	2003.468221	1.2	159834.490
Ti	47	1	He	77.422109	0.8	39556.757
V	51	1	He	82.472600	1.6	995053.920
Cr	52	1	He	82.629823	0.9	1194325.997
Mn	55	1	He	83.044063	1.4	907329.790
Fe	56	1	He	1032.506328	1.7	13654164.000
Co	59	1	He	83.840552	1.3	1772282.540
Ni	60	1	He	84.201163	0.7	436503.583
Cu	63	1	He	86.409489	0.7	1152449.247
Zn	66	1	He	81.548968	0.8	224334.033
As	75	1	He	79.418180	0.8	179045.963
Se	78	2	H2	78.838914	0.5	88777.960
Sr	88	1	He	76.020253	0.7	1445147.267
Mo	95	1	He	82.167784	0.4	684594.207
Pd	105	1	He	79.523315	1.5	964789.257
Ag	107	1	He	39.917369	4.3	965893.787
Cd	111	1	He	78.519974	0.6	361392.977
Sn	118	1	He	78.185982	1.9	944912.850
Sb	121	1	He	75.062618	1.0	1183519.227
Ba	138	1	He	80.852121	1.0	3141407.037
Pt	195	1	He	80.030511	2.2	1157085.557
Hg	202	1	He	3.640342	1.3	26619.040
Tl	205	1	He	40.165941	1.4	2122464.293
Pb	206	1	He	81.222677	1.0	1457440.553
Pb	207	1	He	84.467628	1.1	1266411.230
Pb	208	1	He	82.298348	0.5	5824700.797
Bi	209	1	He	83.852619	1.9	4669876.080
Th	232	1	He	78.377666	2.0	6251360.743
U	238	1	He	76.477466	1.7	6239522.827

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.56311978	1034167.810
Sc	45	2	H2	95.20267435	6380646.667
Ge	72	1	He	94.02366724	636673.230
Ge	72	2	H2	95.90324797	1739544.420
In	115	1	He	94.32345185	6875607.540
Tb	159	1	He	96.19761569	15576528.937
Ir	193	1	He	95.72131150	7482747.390

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	160_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:46:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.038334	24.2	94.167
Be	9	2	H2	0.018121	13.8	17.833
B	11	2	H2	-1.341429		2006.813
Na	23	1	He	-0.547849		15781.820
Mg	24	1	He	-2.517473		776.690
Al	27	1	He	0.391259	9.5	455.677
Si	28	2	H2	-0.096923		11632.300
K	39	1	He	7.516847	8.2	135886.860
Ca	43	1	He	1.034017	91.0	14.897
Ca	44	1	He	0.628487	107.8	225.603
Ti	47	1	He	-0.004825		0.667
V	51	1	He	-0.010720		-1818.427
Cr	52	1	He	-0.007740		430.677
Mn	55	1	He	-0.045940		412.007
Fe	56	1	He	0.268219	9.8	20042.440
Co	59	1	He	0.001401	58.5	128.667
Ni	60	1	He	-0.127704		194.667
Cu	63	1	He	0.001548	108.1	327.337
Zn	66	1	He	0.019652	78.6	270.000
As	75	1	He	-0.020660		215.167
Se	78	2	H2	0.009134	27.7	27.667
Sr	88	1	He	0.002745	117.2	275.007
Mo	95	1	He	0.008032	56.3	88.333
Pd	105	1	He	0.006435	84.6	113.337
Ag	107	1	He	0.215472	17.4	6114.487
Cd	111	1	He	0.006875	81.4	34.973
Sn	118	1	He	0.017932	7.2	388.343
Sb	121	1	He	0.003681	73.3	151.667
Ba	138	1	He	0.012999	3.0	666.687
Pt	195	1	He	0.006318	37.9	183.337
Hg	202	1	He	0.023348	21.4	250.010
Tl	205	1	He	0.043872	31.5	3108.683
Pb	206	1	He	0.007855	11.7	238.333
Pb	207	1	He	-0.002955		928.373
Pb	208	1	He	0.005267	28.6	1655.053
Bi	209	1	He	0.002089	99.5	1716.797
Th	232	1	He	0.007550	9.8	665.020
U	238	1	He	0.003372	20.3	366.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.01663943	1017255.083
Sc	45	2	H2	94.65305399	6343810.167
Ge	72	1	He	91.80404240	621643.230
Ge	72	2	H2	96.13289459	1743709.873
In	115	1	He	94.78706065	6909401.810
Tb	159	1	He	97.32258240	15758686.013
Ir	193	1	He	96.73798235	7562222.807

Sample Name	4322455_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	161SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:50:21
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.019861	45.9	82.333
Be	9	2	H2	0.014195	17.8	15.667
B	11	2	H2	-1.161119		2190.180
Na	23	1	He	9.270099	5.1	34445.387
Mg	24	1	He	0.588270	25.4	4022.133
Al	27	1	He	3.627474	7.6	2287.150
Si	28	2	H2	1.653996	10.7	19809.723
K	39	1	He	7.964274	3.5	138875.233
Ca	43	1	He	9.605892	18.6	55.967
Ca	44	1	He	12.070441	1.8	1141.503
Ti	47	1	He	0.216921	6.5	114.000
V	51	1	He	0.080122	60.5	-756.837
Cr	52	1	He	0.424706	2.1	6687.247
Mn	55	1	He	0.054867	16.9	1519.403
Fe	56	1	He	5.653448	1.5	91529.667
Co	59	1	He	0.008366	20.9	275.333
Ni	60	1	He	-0.061074		536.677
Cu	63	1	He	0.329525	3.7	4643.283
Zn	66	1	He	1.350969	2.2	3881.763
As	75	1	He	-0.032677		190.667
Se	78	2	H2	-0.001730		15.667
Sr	88	1	He	0.042885	16.1	1055.043
Mo	95	1	He	0.012188	17.7	123.333
Pd	105	1	He	0.003357	74.7	76.667
Ag	107	1	He	0.042149	16.8	1931.793
Cd	111	1	He	0.011389	35.0	56.630
Sn	118	1	He	0.034030	6.4	591.687
Sb	121	1	He	0.007509	29.0	215.000
Ba	138	1	He	0.084617	4.5	3530.400
Pt	195	1	He	0.007948	39.2	210.007
Hg	202	1	He	0.012626	79.6	173.337
Tl	205	1	He	0.006282	34.1	1116.720
Pb	206	1	He	0.037740	8.4	791.697
Pb	207	1	He	0.028842	0.5	1430.077
Pb	208	1	He	0.036175	4.5	3921.880
Bi	209	1	He	0.006055	36.3	1966.830
Th	232	1	He	0.007418	12.3	665.023
U	238	1	He	0.004453	24.7	463.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.58490722	1034406.083
Sc	45	2	H2	97.16774886	6512349.333
Ge	72	1	He	92.73371668	627938.440
Ge	72	2	H2	97.79418275	1773843.207
In	115	1	He	96.05543710	7001858.760
Tb	159	1	He	98.67642448	15977903.093
Ir	193	1	He	98.29145937	7683661.553

Sample Name	4322456_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	162SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:53:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.334786	4.6	80201.057
Be	9	2	H2	106.868533	3.9	68684.457
B	11	2	H2	102.582873	4.1	72176.233
Na	23	1	He	2251.585043	4.2	4115310.980
Mg	24	1	He	2216.495406	4.4	2244505.590
Al	27	1	He	2175.689917	4.1	1191787.667
Si	28	2	H2	541.150047	5.3	2375352.667
K	39	1	He	2261.376063	3.9	3528808.903
Ca	43	1	He	2252.635074	3.3	10429.830
Ca	44	1	He	2195.002987	5.3	170116.473
Ti	47	1	He	103.964306	4.3	51617.323
V	51	1	He	112.344599	4.6	1317778.347
Cr	52	1	He	113.937822	4.4	1600123.833
Mn	55	1	He	112.085769	4.0	1189886.873
Fe	56	1	He	2285.376038	4.3	29351180.000
Co	59	1	He	116.328144	5.7	2408729.917
Ni	60	1	He	116.320369	4.6	590554.793
Cu	63	1	He	117.348053	4.9	1533320.957
Zn	66	1	He	113.302466	4.4	305341.927
As	75	1	He	108.802101	4.2	240285.843
Se	78	2	H2	105.742432	0.4	118939.333
Sr	88	1	He	109.271474	4.1	1975677.523
Mo	95	1	He	110.579748	4.6	902729.857
Pd	105	1	He	21.847662	3.3	252177.550
Ag	107	1	He	51.317302	0.7	1181729.303
Cd	111	1	He	108.944654	2.7	477045.267
Sn	118	1	He	104.715775	2.8	1203993.707
Sb	121	1	He	104.261664	3.9	1563625.290
Ba	138	1	He	110.346488	2.9	4154527.960
Pt	195	1	He	21.682299	2.0	303915.527
Hg	202	1	He	0.027184	20.8	266.677
Tl	205	1	He	112.093450	3.9	5737448.663
Pb	206	1	He	113.464386	2.7	1972790.023
Pb	207	1	He	114.183185	3.4	1658338.257
Pb	208	1	He	113.323864	3.1	7771291.343
Bi	209	1	He	114.809058	3.4	6195051.993
Th	232	1	He	112.251993	4.1	8598578.623
U	238	1	He	105.894564	3.9	8297512.170

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.99045347	1006032.437
Sc	45	2	H2	94.38531739	6325866.000
Ge	72	1	He	92.25545620	624699.940
Ge	72	2	H2	95.80380480	1737740.667
In	115	1	He	89.78623626	6544872.043
Tb	159	1	He	93.26422124	15101547.273
Ir	193	1	He	91.98997214	7191060.310

Sample Name	10607514001_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	163SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:57:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.791692	8.6	650.177
Be	9	2	H2	0.044499	17.8	34.167
B	11	2	H2	3.889945	15.5	5440.913
Na	23	1	He	1027.109321	0.3	1868266.223
Mg	24	1	He	250.965790	0.4	254614.853
Al	27	1	He	276.378100	0.8	150150.253
Si	28	2	H2	729.107337	3.1	3136660.583
K	39	1	He	845.299387	2.0	1382665.347
Ca	43	1	He	1904.065303	1.1	8731.343
Ca	44	1	He	1945.256239	0.9	149365.750
Ti	47	1	He	9.022705	17.3	4444.840
V	51	1	He	0.872127	10.6	8482.787
Cr	52	1	He	1.680550	0.5	23898.397
Mn	55	1	He	16.679554	0.1	176115.103
Fe	56	1	He	367.215336	0.8	4684918.667
Co	59	1	He	0.642132	2.0	13037.403
Ni	60	1	He	2.294677	1.1	12138.100
Cu	63	1	He	111.625088	1.5	1419182.623
Zn	66	1	He	46.466329	0.1	121951.223
As	75	1	He	0.969317	3.1	2334.653
Se	78	2	H2	0.130594	10.3	160.000
Sr	88	1	He	6.586391	0.5	122548.173
Mo	95	1	He	0.168009	15.9	1356.790
Pd	105	1	He	0.008120	55.4	130.000
Ag	107	1	He	0.222869	21.8	6126.160
Cd	111	1	He	0.162017	11.4	731.280
Sn	118	1	He	0.444432	4.5	5414.237
Sb	121	1	He	0.656748	2.9	10209.793
Ba	138	1	He	10.847964	1.0	413691.023
Pt	195	1	He	0.011640	17.1	253.343
Hg	202	1	He	0.028596	35.4	280.013
Tl	205	1	He	0.035127	13.7	2563.567
Pb	206	1	He	1.996354	0.3	35235.420
Pb	207	1	He	2.019964	0.7	30634.377
Pb	208	1	He	1.993502	0.8	139640.797
Bi	209	1	He	0.020431	14.3	2666.953
Th	232	1	He	0.056145	3.4	4440.670
U	238	1	He	0.023748	4.7	1983.480

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.01156610	995327.060
Sc	45	2	H2	92.68158604	6211679.000
Ge	72	1	He	89.63244740	606938.460
Ge	72	2	H2	93.41286162	1694372.460
In	115	1	He	92.16714679	6718425.980
Tb	159	1	He	94.38194169	15282531.020
Ir	193	1	He	93.73130366	7327184.060

Sample Name	4323803_B70204Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	164SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:01:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.163067	5.1	191.167
Be	9	2	H2	0.019906	37.1	19.333
B	11	2	H2	-0.420984		2680.253
Na	23	1	He	209.794441	1.0	410071.243
Mg	24	1	He	50.565998	1.0	56024.300
Al	27	1	He	58.513835	3.7	33214.037
Si	28	2	H2	149.853831	5.4	679321.667
K	39	1	He	176.812617	0.7	400496.373
Ca	43	1	He	384.240929	4.3	1839.157
Ca	44	1	He	393.730808	2.8	31561.373
Ti	47	1	He	1.672553	8.9	858.023
V	51	1	He	0.245406	53.3	1243.577
Cr	52	1	He	0.487547	42.6	7602.800
Mn	55	1	He	3.388891	1.1	37911.530
Fe	56	1	He	74.444852	1.0	1000211.897
Co	59	1	He	0.129630	1.5	2814.897
Ni	60	1	He	0.364736	1.2	2720.217
Cu	63	1	He	22.364209	0.7	295606.123
Zn	66	1	He	9.675348	1.1	26552.953
As	75	1	He	0.170306	5.0	644.010
Se	78	2	H2	0.029797	18.0	51.333
Sr	88	1	He	1.350980	0.2	26254.810
Mo	95	1	He	0.029927	22.0	270.003
Pd	105	1	He	0.000941	217.9	46.667
Ag	107	1	He	0.047915	17.9	2065.147
Cd	111	1	He	0.030022	20.8	143.253
Sn	118	1	He	0.165976	9.8	2205.167
Sb	121	1	He	0.127195	1.2	2126.820
Ba	138	1	He	2.214976	0.8	87947.780
Pt	195	1	He	0.005326	111.7	170.007
Hg	202	1	He	0.009200	95.5	146.670
Tl	205	1	He	0.000900	280.7	820.030
Pb	206	1	He	0.405873	6.2	7526.830
Pb	207	1	He	0.409937	2.8	7246.697
Pb	208	1	He	0.401574	3.5	30279.503
Bi	209	1	He	0.003653	73.0	1820.147
Th	232	1	He	0.012518	5.7	1065.050
U	238	1	He	0.005820	7.5	568.353

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.56287594	1034165.143
Sc	45	2	H2	96.18988173	6446811.000
Ge	72	1	He	93.10367237	630443.563
Ge	72	2	H2	96.82551760	1756273.040
In	115	1	He	95.61414840	6969691.490
Tb	159	1	He	98.13093358	15889576.010
Ir	193	1	He	96.66971956	7556886.553

Sample Name	4322457_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	165SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:04:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.903493	4.7	79670.743
Be	9	2	H2	107.192367	4.6	68076.580
B	11	2	H2	108.579397	6.4	75335.747
Na	23	1	He	3186.803854	0.3	5910857.203
Mg	24	1	He	2398.140314	0.1	2467154.023
Al	27	1	He	2378.978293	0.1	1323959.210
Si	28	2	H2	1331.308418	5.8	5756326.167
K	39	1	He	2993.967672	0.7	4705673.783
Ca	43	1	He	4004.662572	0.6	18825.870
Ca	44	1	He	4089.922772	1.0	321979.587
Ti	47	1	He	111.774226	0.7	56386.730
V	51	1	He	111.309588	1.4	1326629.087
Cr	52	1	He	111.643581	0.5	1593083.127
Mn	55	1	He	124.038413	0.6	1337650.710
Fe	56	1	He	2542.196353	0.2	33171188.667
Co	59	1	He	114.294985	0.9	2367689.583
Ni	60	1	He	115.861451	0.7	588283.857
Cu	63	1	He	221.755647	0.6	2897808.250
Zn	66	1	He	155.225439	0.2	418261.657
As	75	1	He	107.001274	0.3	236311.803
Se	78	2	H2	105.445974	0.7	116847.710
Sr	88	1	He	110.538076	0.6	2057318.823
Mo	95	1	He	110.873397	0.5	905222.047
Pd	105	1	He	21.426052	0.7	254540.417
Ag	107	1	He	48.625374	2.3	1152006.960
Cd	111	1	He	104.917362	0.3	472787.163
Sn	118	1	He	103.000631	1.2	1218891.857
Sb	121	1	He	101.435182	1.1	1565856.903
Ba	138	1	He	117.725168	0.5	4460023.893
Pt	195	1	He	20.892121	1.2	294622.893
Hg	202	1	He	0.021804	39.4	230.007
Tl	205	1	He	108.938063	0.5	5611894.293
Pb	206	1	He	111.990796	1.0	1959300.963
Pb	207	1	He	112.871423	0.7	1649679.457
Pb	208	1	He	112.754770	1.1	7780831.297
Bi	209	1	He	112.177704	1.2	6091502.200
Th	232	1	He	110.525071	2.0	8499828.207
U	238	1	He	106.407325	1.6	8370421.963

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.36391841	1021053.020
Sc	45	2	H2	93.29927886	6253077.833
Ge	72	1	He	92.13649386	623894.397
Ge	72	2	H2	94.38797914	1712059.663
In	115	1	He	92.35337609	6732000.967
Tb	159	1	He	93.79628232	15187699.770
Ir	193	1	He	92.29902797	7215219.890

Sample Name	4322458_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	166SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:08:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	101.878229	4.1	76168.160
Be	9	2	H2	101.640857	3.6	64750.760
B	11	2	H2	105.131852	4.7	73260.587
Na	23	1	He	3026.472976	0.1	5569829.920
Mg	24	1	He	2287.032945	0.2	2334339.340
Al	27	1	He	2289.124884	0.8	1263877.793
Si	28	2	H2	1283.664706	5.4	5569976.667
K	39	1	He	2856.594389	1.2	4459957.953
Ca	43	1	He	3843.716435	0.5	17926.533
Ca	44	1	He	3842.005835	0.4	300075.317
Ti	47	1	He	105.266347	0.8	52680.367
V	51	1	He	105.746607	0.7	1250276.377
Cr	52	1	He	106.767886	0.7	1511462.960
Mn	55	1	He	119.441327	0.3	1277920.087
Fe	56	1	He	2437.924487	0.2	31558892.667
Co	59	1	He	108.638991	1.5	2258377.833
Ni	60	1	He	110.396013	0.9	562538.873
Cu	63	1	He	208.198180	0.9	2730263.000
Zn	66	1	He	146.729910	0.8	396774.293
As	75	1	He	102.054417	0.8	226191.870
Se	78	2	H2	100.724372	0.5	111363.760
Sr	88	1	He	106.443026	0.9	1959969.290
Mo	95	1	He	104.657706	1.1	857478.320
Pd	105	1	He	20.537536	0.6	241387.040
Ag	107	1	He	47.046633	3.0	1102508.477
Cd	111	1	He	100.468488	1.1	447889.910
Sn	118	1	He	99.123037	0.6	1160409.983
Sb	121	1	He	96.163243	0.7	1468673.673
Ba	138	1	He	112.203193	1.0	4278787.747
Pt	195	1	He	20.057939	0.6	284755.953
Hg	202	1	He	0.022534	10.9	236.677
Tl	205	1	He	104.627508	0.2	5425706.377
Pb	206	1	He	107.689750	0.8	1896441.220
Pb	207	1	He	108.317607	2.0	1593431.383
Pb	208	1	He	107.878746	1.0	7493250.463
Bi	209	1	He	107.085840	1.0	5853298.663
Th	232	1	He	103.470258	0.4	8063824.673
U	238	1	He	99.399222	0.5	7923190.297

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.62305795	1012950.770
Sc	45	2	H2	93.55673521	6270333.000
Ge	72	1	He	92.46408715	626112.667
Ge	72	2	H2	94.17115274	1708126.750
In	115	1	He	91.37017358	6660331.467
Tb	159	1	He	94.42048903	15288772.690
Ir	193	1	He	93.51417354	7310210.517

Sample Name	10607926001_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	167SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:11:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.035279	20.8	90.000
Be	9	2	H2	0.036847	11.5	29.333
B	11	2	H2	-0.722398		2390.217
Na	23	1	He	4.196848	2.8	24421.160
Mg	24	1	He	0.768032	8.7	4122.157
Al	27	1	He	3.289916	6.9	2054.113
Si	28	2	H2	1.504405	18.0	18300.443
K	39	1	He	8.376074	5.3	136614.867
Ca	43	1	He	9.303129	9.9	53.370
Ca	44	1	He	9.997820	11.6	955.783
Ti	47	1	He	0.103174	28.0	54.667
V	51	1	He	0.037031	212.0	-1249.590
Cr	52	1	He	0.339364	5.2	5341.470
Mn	55	1	He	0.012581	26.1	1036.033
Fe	56	1	He	2.884312	0.8	53803.503
Co	59	1	He	0.008153	15.3	266.667
Ni	60	1	He	-0.081064		428.010
Cu	63	1	He	0.068596	10.5	1193.380
Zn	66	1	He	1.100208	4.3	3151.623
As	75	1	He	-0.018887		217.833
Se	78	2	H2	0.010973	75.9	29.333
Sr	88	1	He	0.018820	17.5	578.347
Mo	95	1	He	0.020237	13.4	186.667
Pd	105	1	He	0.005945	62.0	106.667
Ag	107	1	He	0.224770	18.3	6309.563
Cd	111	1	He	0.011650	20.3	56.610
Sn	118	1	He	0.049077	11.6	761.690
Sb	121	1	He	0.010424	27.6	256.673
Ba	138	1	He	0.030987	22.4	1365.070
Pt	195	1	He	0.010324	53.7	240.007
Hg	202	1	He	0.004915	14.7	113.333
Tl	205	1	He	0.024563	20.4	2065.157
Pb	206	1	He	0.019403	22.2	445.010
Pb	207	1	He	0.015633	29.2	1201.723
Pb	208	1	He	0.019672	8.4	2668.443
Bi	209	1	He	0.011108	48.5	2210.207
Th	232	1	He	0.016782	10.6	1411.747
U	238	1	He	0.006016	17.6	586.683

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.61953969	1012912.293
Sc	45	2	H2	92.87266092	6224485.167
Ge	72	1	He	91.29772278	618214.730
Ge	72	2	H2	94.52877772	1714613.543
In	115	1	He	94.18278459	6865353.750
Tb	159	1	He	96.65709306	15650928.520
Ir	193	1	He	96.95553883	7579229.680

Sample Name	10608170001_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	168SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:15:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	7.791491	2.1	5259.067
Be	9	2	H2	0.026175	14.9	20.333
B	11	2	H2	178.102511	1.4	109116.313
Na	23	1	He	962531.6100	1.4	1793160399.95
Mg	24	1	He	34074.93431	0.8	35267401.973
Al	27	1	He	36.965199	3.2	20969.943
Si	28	2	H2	8531.109206	0.8	33007590.000
K	39	1	He	368441.3475	0.4	568023591.533
Ca	43	1	He	115297.8303	0.7	545724.850
Ca	44	1	He	116967.2401	0.8	9271383.657
Ti	47	1	He	1.125160	11.2	576.013
V	51	1	He	0.276484	13.9	1600.937
Cr	52	1	He	1.178346	1.8	17481.103
Mn	55	1	He	223.526594	1.0	2427499.833
Fe	56	1	He	3632.743668	1.6	47733894.667
Co	59	1	He	0.711194	0.8	13956.100
Ni	60	1	He	2.425858	1.8	12360.263
Cu	63	1	He	4.538255	1.6	56068.940
Zn	66	1	He	21.473329	2.1	54599.300
As	75	1	He	3.368676	1.9	7235.133
Se	78	2	H2	1.102438	0.8	1144.040
Sr	88	1	He	225.472988	0.6	3801351.403
Mo	95	1	He	41.179280	1.8	316209.747
Pd	105	1	He	0.037793	17.5	436.680
Ag	107	1	He	0.152369	20.3	4040.523
Cd	111	1	He	0.027270	66.9	113.473
Sn	118	1	He	0.173240	4.4	2008.470
Sb	121	1	He	0.255132	0.6	3650.420
Ba	138	1	He	62.208405	0.6	2179173.143
Pt	195	1	He	0.009899	28.1	210.010
Hg	202	1	He	0.012763	29.0	153.340
Tl	205	1	He	0.074656	9.3	4237.283
Pb	206	1	He	0.310169	0.6	5102.533
Pb	207	1	He	0.279180	5.1	4639.050
Pb	208	1	He	0.294218	0.7	19909.917
Bi	209	1	He	0.005933	41.2	1723.457
Th	232	1	He	0.030549	3.4	2071.820
U	238	1	He	1.139996	1.6	77375.427

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.06152646	1028682.250
Sc	45	2	H2	83.68997809	5609046.000
Ge	72	1	He	86.68090360	586952.333
Ge	72	2	H2	87.18258760	1581364.417
In	115	1	He	83.66503232	6098673.403
Tb	159	1	He	86.72843569	14043258.540
Ir	193	1	He	79.55460038	6218959.697

Sample Name	10608170001_B70204Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	169SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:19:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.499338	8.4	443.010
Be	9	2	H2	0.013730	22.0	15.000
B	11	2	H2	9.569844	9.8	9419.203
Na	23	1	He	49619.06046	1.3	96215415.230
Mg	24	1	He	1774.845768	1.4	1914901.950
Al	27	1	He	2.942463	6.4	1967.110
Si	28	2	H2	481.367892	6.3	2124688.417
K	39	1	He	18886.17827	0.8	30421886.213
Ca	43	1	He	5863.167586	1.4	28887.473
Ca	44	1	He	6020.284731	1.1	496726.283
Ti	47	1	He	0.073254	15.3	42.000
V	51	1	He	0.031505	164.2	-1388.690
Cr	52	1	He	0.087321	6.3	1874.767
Mn	55	1	He	11.628380	0.9	132317.503
Fe	56	1	He	193.587291	1.1	2663959.583
Co	59	1	He	0.031712	7.1	778.020
Ni	60	1	He	0.020841	62.9	975.367
Cu	63	1	He	0.315592	4.6	4556.597
Zn	66	1	He	1.189709	3.3	3518.357
As	75	1	He	0.153567	4.5	617.177
Se	78	2	H2	0.047759	3.1	71.333
Sr	88	1	He	10.704011	1.9	206550.883
Mo	95	1	He	1.995481	1.3	16771.513
Pd	105	1	He	0.004175	97.0	86.667
Ag	107	1	He	0.001899	277.5	938.370
Cd	111	1	He	0.003230	94.6	18.300
Sn	118	1	He	0.108051	10.4	1496.747
Sb	121	1	He	0.013829	20.8	315.010
Ba	138	1	He	3.066312	0.6	121033.173
Pt	195	1	He	0.001963	33.4	120.000
Hg	202	1	He	0.012429	19.2	170.003
Tl	205	1	He	-0.003909		558.353
Pb	206	1	He	0.017065	8.5	406.677
Pb	207	1	He	0.008033	68.6	1098.383
Pb	208	1	He	0.015337	14.8	2383.430
Bi	209	1	He	-0.001772		1503.433
Th	232	1	He	0.004174	74.5	380.023
U	238	1	He	0.055161	8.1	4479.020

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.87020589	1070334.997
Sc	45	2	H2	94.86139940	6357773.833
Ge	72	1	He	94.71745974	641371.187
Ge	72	2	H2	96.26495230	1746105.207
In	115	1	He	95.65989239	6973025.950
Tb	159	1	He	97.60290222	15804076.013
Ir	193	1	He	93.41193667	7302218.433

Sample Name	10608381001_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	170SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:22:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	9.132707	3.1	6578.647
Be	9	2	H2	0.019244	49.2	17.667
B	11	2	H2	58.338570	3.3	40060.080
Na	23	1	He	44028.79845	1.4	80660662.133
Mg	24	1	He	9942.628914	1.5	10119163.393
Al	27	1	He	41.739693	1.0	23239.217
Si	28	2	H2	8363.637469	5.3	34619846.667
K	39	1	He	1798.282816	1.1	2848547.563
Ca	43	1	He	71694.42345	1.0	333616.290
Ca	44	1	He	72347.98603	1.2	5637726.867
Ti	47	1	He	0.972286	4.8	488.677
V	51	1	He	0.232005	52.4	1058.063
Cr	52	1	He	1.016550	3.4	14896.130
Mn	55	1	He	16.770975	1.0	179895.260
Fe	56	1	He	119.984833	2.3	1566030.210
Co	59	1	He	0.264512	1.4	5357.483
Ni	60	1	He	0.626870	3.8	3861.100
Cu	63	1	He	3.804691	0.4	48035.093
Zn	66	1	He	361.598885	0.5	935340.293
As	75	1	He	0.269447	7.0	822.020
Se	78	2	H2	0.300988	2.6	332.667
Sr	88	1	He	419.759948	0.6	7725984.467
Mo	95	1	He	0.433031	3.5	3417.037
Pd	105	1	He	0.059280	17.5	730.030
Ag	107	1	He	-0.001192		823.360
Cd	111	1	He	0.027876	18.3	127.307
Sn	118	1	He	0.089665	10.2	1213.387
Sb	121	1	He	0.889905	3.9	13675.577
Ba	138	1	He	20.102960	0.7	763931.030
Pt	195	1	He	0.009092	73.5	216.673
Hg	202	1	He	0.011410	24.6	156.670
Tl	205	1	He	-0.000775		700.023
Pb	206	1	He	0.301447	2.4	5380.967
Pb	207	1	He	0.265500	3.3	4830.770
Pb	208	1	He	0.286898	1.3	21088.857
Bi	209	1	He	0.004259	77.0	1776.813
Th	232	1	He	0.008662	17.8	716.690
U	238	1	He	0.233983	5.1	18390.923

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.46744609	1011248.957
Sc	45	2	H2	89.38716132	5990881.000
Ge	72	1	He	88.47641716	599110.500
Ge	72	2	H2	89.55296481	1624359.587
In	115	1	He	91.33589807	6657832.990
Tb	159	1	He	94.06971354	15231974.353
Ir	193	1	He	91.81044865	7177026.560

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	171_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:26:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.886856	5.6	55474.130
Be	9	2	H2	76.986770	5.2	47321.077
B	11	2	H2	74.751531	5.1	51046.880
Na	23	1	He	2022.289890	1.6	3684745.050
Mg	24	1	He	1987.701047	1.7	2006105.857
Al	27	1	He	1972.203986	1.2	1076492.627
Si	28	2	H2	966.099710	5.6	4046136.500
K	39	1	He	2042.320917	1.1	3187176.823
Ca	43	1	He	2003.227134	1.3	9241.250
Ca	44	1	He	1987.711371	1.3	153564.307
Ti	47	1	He	76.541640	1.0	37869.180
V	51	1	He	80.838604	1.1	944468.110
Cr	52	1	He	81.449213	0.8	1140053.000
Mn	55	1	He	82.382490	1.6	871621.167
Fe	56	1	He	1021.101110	1.7	13076619.333
Co	59	1	He	82.292261	1.8	1686568.623
Ni	60	1	He	82.771298	0.7	416036.803
Cu	63	1	He	84.322422	1.2	1090348.917
Zn	66	1	He	80.377901	0.6	214383.550
As	75	1	He	78.172099	1.1	170873.580
Se	78	2	H2	76.452402	1.4	81412.217
Sr	88	1	He	75.189799	1.4	1395776.180
Mo	95	1	He	80.161936	1.4	647508.923
Pd	105	1	He	77.951851	0.7	923496.547
Ag	107	1	He	39.182347	2.6	925854.123
Cd	111	1	He	77.449909	0.3	348071.303
Sn	118	1	He	77.031302	0.6	909088.970
Sb	121	1	He	73.925639	0.5	1138194.930
Ba	138	1	He	79.941332	1.4	3056053.290
Pt	195	1	He	78.106678	0.7	1111154.490
Hg	202	1	He	3.530242	2.5	25400.633
Tl	205	1	He	39.346397	0.3	2045701.220
Pb	206	1	He	79.354643	1.1	1400853.313
Pb	207	1	He	83.134029	0.7	1226259.617
Pb	208	1	He	80.930222	0.6	5635453.820
Bi	209	1	He	83.452677	0.3	4573035.243
Th	232	1	He	78.750988	1.2	6092980.117
U	238	1	He	75.417935	1.6	5968463.037

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.56998531	1001434.083
Sc	45	2	H2	90.28881186	6051311.167
Ge	72	1	He	91.15912250	617276.210
Ge	72	2	H2	90.70391903	1645236.210
In	115	1	He	92.10318619	6713763.640
Tb	159	1	He	94.64366719	15324910.187
Ir	193	1	He	92.83937875	7257460.310

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	172_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:29:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.055899	25.6	104.667
Be	9	2	H2	0.022495	45.4	20.167
B	11	2	H2	-0.837490		2300.190
Na	23	1	He	22.009821	6.1	56490.680
Mg	24	1	He	-2.305748		978.367
Al	27	1	He	0.299692	22.7	398.670
Si	28	2	H2	0.345879	34.4	13249.300
K	39	1	He	12.075113	9.0	140710.700
Ca	43	1	He	1.744860	27.6	17.963
Ca	44	1	He	2.325155	48.7	353.023
Ti	47	1	He	0.011294	88.7	8.667
V	51	1	He	-0.026497		-1976.190
Cr	52	1	He	-0.003599		482.010
Mn	55	1	He	-0.057632		282.000
Fe	56	1	He	0.026047	62.9	16645.000
Co	59	1	He	0.001943	8.5	138.000
Ni	60	1	He	-0.134007		160.667
Cu	63	1	He	0.037686	7.0	787.353
Zn	66	1	He	0.010411	92.1	242.000
As	75	1	He	-0.009038		237.500
Se	78	2	H2	0.007303	57.9	25.000
Sr	88	1	He	0.011432	8.5	436.677
Mo	95	1	He	0.009009	6.5	95.000
Pd	105	1	He	0.007901	78.5	130.003
Ag	107	1	He	0.218088	22.7	6122.837
Cd	111	1	He	0.006221	43.5	31.637
Sn	118	1	He	0.024664	32.0	465.010
Sb	121	1	He	0.005914	9.8	185.000
Ba	138	1	He	0.014244	7.9	701.687
Pt	195	1	He	0.005868	41.4	173.337
Hg	202	1	He	0.020795	14.6	226.677
Tl	205	1	He	0.042707	25.8	2986.983
Pb	206	1	He	0.003438	22.6	155.000
Pb	207	1	He	-0.003099		908.367
Pb	208	1	He	0.003349	52.0	1488.377
Bi	209	1	He	0.006205	64.1	1910.160
Th	232	1	He	0.009369	7.7	793.367
U	238	1	He	0.004462	30.1	446.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.63700451	1002167.023
Sc	45	2	H2	92.55048674	6202892.500
Ge	72	1	He	90.58606941	613395.830
Ge	72	2	H2	93.74086238	1700321.913
In	115	1	He	93.82158567	6839024.540
Tb	159	1	He	95.42866098	15452018.103
Ir	193	1	He	94.52804335	7389466.970

Sample Name	4319206_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	173SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:33:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.061640	21.4	109.167
Be	9	2	H2	0.034208	29.8	27.500
B	11	2	H2	-0.751141		2356.860
Na	23	1	He	24.432807	4.0	60812.350
Mg	24	1	He	3.226379	11.1	6547.880
Al	27	1	He	7.205051	1.0	4164.483
Si	28	2	H2	1.548423	16.2	18435.243
K	39	1	He	10.336889	23.6	137917.930
Ca	43	1	He	17.202092	8.0	89.130
Ca	44	1	He	17.219167	4.3	1501.613
Ti	47	1	He	0.089608	30.2	47.333
V	51	1	He	-0.002526		-1697.753
Cr	52	1	He	0.840635	1.3	12285.503
Mn	55	1	He	0.035223	42.6	1262.717
Fe	56	1	He	7.170284	1.4	107947.923
Co	59	1	He	0.017484	2.8	448.677
Ni	60	1	He	-0.049328		575.343
Cu	63	1	He	0.636634	1.3	8372.643
Zn	66	1	He	0.886206	2.9	2528.187
As	75	1	He	-0.009019		234.500
Se	78	2	H2	0.013588	35.5	31.667
Sr	88	1	He	0.044027	4.6	1050.040
Mo	95	1	He	0.046171	14.9	388.343
Pd	105	1	He	0.004632	95.4	90.003
Ag	107	1	He	0.044769	20.1	1945.130
Cd	111	1	He	0.014605	52.2	69.883
Sn	118	1	He	0.113338	10.2	1526.750
Sb	121	1	He	0.012120	25.5	281.673
Ba	138	1	He	0.045085	10.3	1895.127
Pt	195	1	He	0.007480	77.2	196.670
Hg	202	1	He	0.011929	34.6	163.333
Tl	205	1	He	0.010072	14.0	1281.733
Pb	206	1	He	0.174105	3.6	3202.020
Pb	207	1	He	0.174868	6.3	3563.763
Pb	208	1	He	0.181509	2.6	14034.187
Bi	209	1	He	0.082754	6.7	6154.653
Th	232	1	He	0.008514	3.0	735.027
U	238	1	He	0.003666	27.4	386.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.51296008	1000810.440
Sc	45	2	H2	92.64206900	6209030.500
Ge	72	1	He	89.43017849	605568.813
Ge	72	2	H2	92.98888636	1686682.170
In	115	1	He	93.57690789	6821189.013
Tb	159	1	He	95.70424602	15496641.437
Ir	193	1	He	95.71564555	7482304.470

Sample Name	4319207_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	174SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:37:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	104.570711	5.8	73132.043
Be	9	2	H2	105.636723	5.3	62956.803
B	11	2	H2	99.798169	6.0	65180.833
Na	23	1	He	2200.072037	1.0	3868836.297
Mg	24	1	He	2108.560234	0.7	2054388.927
Al	27	1	He	2091.128081	0.4	1101980.210
Si	28	2	H2	532.761014	6.0	2168279.123
K	39	1	He	2159.443613	1.5	3246723.390
Ca	43	1	He	2121.529598	0.8	9448.113
Ca	44	1	He	2115.066708	1.2	157749.107
Ti	47	1	He	99.545894	0.8	47549.000
V	51	1	He	107.905233	0.9	1217714.363
Cr	52	1	He	108.159589	1.1	1461408.997
Mn	55	1	He	107.839369	0.3	1101325.337
Fe	56	1	He	2172.070559	1.0	26838494.000
Co	59	1	He	109.595081	1.7	2182232.250
Ni	60	1	He	110.033204	0.3	537077.000
Cu	63	1	He	110.620269	0.2	1389689.293
Zn	66	1	He	108.741497	0.2	281718.530
As	75	1	He	104.641939	0.7	222147.157
Se	78	2	H2	104.718576	2.0	109132.223
Sr	88	1	He	101.279846	1.4	1810987.630
Mo	95	1	He	106.959201	1.2	839405.220
Pd	105	1	He	21.014053	0.8	239860.270
Ag	107	1	He	47.476076	3.0	1080610.243
Cd	111	1	He	103.052677	1.0	446138.690
Sn	118	1	He	101.186260	0.5	1150331.443
Sb	121	1	He	100.595823	0.8	1491985.547
Ba	138	1	He	104.062025	0.2	3906543.690
Pt	195	1	He	20.775652	0.4	290308.153
Hg	202	1	He	0.012156	30.7	160.003
Tl	205	1	He	107.645576	0.2	5494834.707
Pb	206	1	He	107.973311	0.7	1871791.900
Pb	207	1	He	107.978519	1.1	1563821.433
Pb	208	1	He	107.718840	0.5	7365618.797
Bi	209	1	He	109.001088	1.2	5865118.663
Th	232	1	He	106.436729	0.8	8174500.087
U	238	1	He	101.063936	1.4	7939360.713

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.40583885	966830.123
Sc	45	2	H2	87.54398760	5867348.333
Ge	72	1	He	88.56724949	599725.563
Ge	72	2	H2	88.76909261	1610141.293
In	115	1	He	88.72749559	6467696.270
Tb	159	1	He	92.94211442	15049391.030
Ir	193	1	He	92.15705516	7204121.560

Sample Name	10607493001_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	175SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:40:38
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	60.157676	1.2	39615.847
Be	9	2	H2	0.089809	7.3	55.667
B	11	2	H2	163.290115	4.2	98833.673
Na	23	1	He	93500.64344	1.1	162658347.577
Mg	24	1	He	95079.51952	2.0	91864628.633
Al	27	1	He	1107.698555	1.4	579890.060
Si	28	2	H2	14378.82588	5.8	54860330.667
K	39	1	He	5599.625970	2.0	8174666.753
Ca	43	1	He	220520.5532	1.5	974459.817
Ca	44	1	He	221956.7094	2.2	16423822.170
Ti	47	1	He	30.248670	1.1	14355.677
V	51	1	He	11.576769	2.0	128333.713
Cr	52	1	He	9.062268	1.8	122085.897
Mn	55	1	He	22.295463	0.8	226845.543
Fe	56	1	He	983.857224	1.7	12082780.333
Co	59	1	He	0.512175	1.4	9726.643
Ni	60	1	He	1.385720	4.5	7145.430
Cu	63	1	He	2.071463	1.9	24863.150
Zn	66	1	He	12.351334	2.2	30406.350
As	75	1	He	3.690681	1.3	7632.130
Se	78	2	H2	3.666015	3.9	3618.043
Sr	88	1	He	2874.873103	0.6	48119874.283
Mo	95	1	He	0.988606	2.5	7351.620
Pd	105	1	He	0.448697	2.9	4824.117
Ag	107	1	He	0.263677	23.5	6384.603
Cd	111	1	He	0.035364	25.5	146.127
Sn	118	1	He	0.380859	2.4	4202.220
Sb	121	1	He	0.082113	4.8	1221.723
Ba	138	1	He	166.658385	1.1	6004041.997
Pt	195	1	He	0.016651	15.0	306.677
Hg	202	1	He	0.007691	11.6	123.333
Tl	205	1	He	0.037252	17.8	2525.227
Pb	206	1	He	1.190914	2.4	19899.113
Pb	207	1	He	1.169842	3.3	17140.977
Pb	208	1	He	1.170523	2.2	77967.450
Bi	209	1	He	0.027289	11.6	2873.670
Th	232	1	He	0.201256	3.6	14264.950
U	238	1	He	2.986449	1.0	215830.777

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	87.81949512	960417.710
Sc	45	2	H2	82.40542431	5522953.000
Ge	72	1	He	83.69185558	566712.250
Ge	72	2	H2	83.70790639	1518338.790
In	115	1	He	83.06297748	6054787.257
Tb	159	1	He	89.19776208	14443097.287
Ir	193	1	He	84.75313563	6625340.737

Sample Name	4322684_B70174Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	176SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:44:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	12.727854	3.9	8794.050
Be	9	2	H2	0.029868	12.9	23.000
B	11	2	H2	34.197608	5.3	23678.770
Na	23	1	He	18963.39359	1.4	32864672.847
Mg	24	1	He	19586.35418	0.8	18849352.220
Al	27	1	He	225.910989	1.5	117953.000
Si	28	2	H2	3098.018343	6.4	12335198.667
K	39	1	He	1138.973315	1.8	1749061.067
Ca	43	1	He	44581.46990	1.2	196189.297
Ca	44	1	He	45063.84160	1.6	3321087.740
Ti	47	1	He	6.220417	4.0	2941.587
V	51	1	He	2.340760	4.6	24566.070
Cr	52	1	He	1.888438	1.6	25736.890
Mn	55	1	He	4.547683	1.8	46750.673
Fe	56	1	He	204.507096	0.7	2513525.500
Co	59	1	He	0.102223	2.5	2068.127
Ni	60	1	He	0.176737	12.0	1621.410
Cu	63	1	He	0.437591	2.4	5619.563
Zn	66	1	He	2.583616	2.9	6691.933
As	75	1	He	0.727739	4.3	1740.917
Se	78	2	H2	0.693465	3.3	729.353
Sr	88	1	He	556.409757	1.4	9783477.560
Mo	95	1	He	0.202961	2.2	1566.753
Pd	105	1	He	0.086794	15.2	1006.720
Ag	107	1	He	0.045707	9.1	1835.117
Cd	111	1	He	0.005874	50.7	27.863
Sn	118	1	He	0.164455	7.6	1995.137
Sb	121	1	He	0.014814	22.7	301.670
Ba	138	1	He	32.759231	0.8	1214931.517
Pt	195	1	He	0.003477	127.7	133.337
Hg	202	1	He	0.004302	22.5	103.333
Tl	205	1	He	0.000062	4615.2	726.690
Pb	206	1	He	0.241459	4.2	4223.940
Pb	207	1	He	0.235401	0.6	4283.950
Pb	208	1	He	0.239044	3.0	17348.743
Bi	209	1	He	0.007370	7.1	1900.143
Th	232	1	He	0.039584	4.8	2993.650
U	238	1	He	0.576852	0.3	43926.650

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	87.44344522	956305.127
Sc	45	2	H2	85.96354713	5761424.500
Ge	72	1	He	85.92193220	581813.023
Ge	72	2	H2	87.62754489	1589435.290
In	115	1	He	87.25792673	6360573.613
Tb	159	1	He	91.81500415	14866886.863
Ir	193	1	He	89.16701439	6970383.437

Sample Name	4319208_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	177SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:47:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	155.593966	1.3	101315.963
Be	9	2	H2	98.435313	2.2	54661.297
B	11	2	H2	251.083766	3.6	149061.993
Na	23	1	He	95186.22832	0.9	162363957.580
Mg	24	1	He	96873.39284	1.1	91782398.630
Al	27	1	He	3448.359035	1.3	1769635.790
Si	28	2	H2	15075.23786	5.8	56947948.000
K	39	1	He	7785.186805	0.4	11099906.497
Ca	43	1	He	223164.2439	0.9	966958.700
Ca	44	1	He	222263.2634	0.9	16127569.600
Ti	47	1	He	136.200262	0.4	63360.117
V	51	1	He	120.746608	0.8	1327264.727
Cr	52	1	He	116.499247	1.1	1533001.623
Mn	55	1	He	127.116527	0.5	1264177.377
Fe	56	1	He	3175.985052	1.1	38212094.667
Co	59	1	He	107.090507	1.8	2007457.837
Ni	60	1	He	105.533256	1.8	484953.020
Cu	63	1	He	105.618320	1.2	1249130.087
Zn	66	1	He	114.107581	1.3	278285.877
As	75	1	He	109.798759	1.3	219430.753
Se	78	2	H2	103.312372	1.5	100840.413
Sr	88	1	He	2977.268881	0.3	48946675.937
Mo	95	1	He	111.681884	1.5	825128.217
Pd	105	1	He	20.155862	0.5	211532.607
Ag	107	1	He	46.464624	2.4	972445.323
Cd	111	1	He	101.513708	1.0	404108.233
Sn	118	1	He	104.644295	0.4	1093856.183
Sb	121	1	He	102.193552	0.5	1393672.793
Ba	138	1	He	277.627002	1.2	9873640.270
Pt	195	1	He	20.167347	0.7	266986.403
Hg	202	1	He	0.021398	44.7	213.340
Tl	205	1	He	102.936337	1.8	4977936.907
Pb	206	1	He	103.346108	1.9	1697266.487
Pb	207	1	He	104.310737	1.3	1431257.947
Pb	208	1	He	103.204634	1.2	6685688.027
Bi	209	1	He	100.391197	1.1	5117797.840
Th	232	1	He	108.717551	0.6	7663975.510
U	238	1	He	107.100928	2.0	7722359.050

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.09952814	941607.687
Sc	45	2	H2	81.55097738	5465686.500
Ge	72	1	He	83.38481141	564633.127
Ge	72	2	H2	83.12358192	1507740.000
In	115	1	He	81.58301786	5946907.177
Tb	159	1	He	88.05477744	14258022.707
Ir	193	1	He	84.58973040	6612566.987

Sample Name	4319209_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	178SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:51:21
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	161.092189	2.0	103769.863
Be	9	2	H2	100.961677	3.3	55453.857
B	11	2	H2	270.089725	4.5	158361.953
Na	23	1	He	97427.87051	0.4	166439860.853
Mg	24	1	He	98876.18078	0.5	93822768.603
Al	27	1	He	3337.016855	0.7	1715110.543
Si	28	2	H2	15561.26762	5.5	58098076.000
K	39	1	He	7817.770637	0.7	11162622.747
Ca	43	1	He	227608.3418	0.1	987717.130
Ca	44	1	He	227609.0852	0.9	16540313.200
Ti	47	1	He	130.937985	0.7	61003.493
V	51	1	He	119.755988	1.4	1318362.513
Cr	52	1	He	115.229109	0.4	1518599.670
Mn	55	1	He	126.040348	0.4	1255386.170
Fe	56	1	He	3071.518760	0.9	37011625.333
Co	59	1	He	106.440205	1.0	1992678.877
Ni	60	1	He	105.260085	0.4	483077.783
Cu	63	1	He	104.368422	0.7	1232693.250
Zn	66	1	He	111.205716	0.2	270862.873
As	75	1	He	109.141331	0.4	217830.160
Se	78	2	H2	106.828273	1.7	102543.097
Sr	88	1	He	3063.521292	1.1	49809340.927
Mo	95	1	He	111.761285	0.4	824631.340
Pd	105	1	He	20.581700	1.4	213624.943
Ag	107	1	He	46.654362	2.2	965631.757
Cd	111	1	He	102.323211	0.7	402847.540
Sn	118	1	He	104.723705	1.1	1082617.743
Sb	121	1	He	103.028351	0.1	1389622.373
Ba	138	1	He	272.528597	0.4	9602682.773
Pt	195	1	He	20.185507	1.6	264749.477
Hg	202	1	He	0.018701	19.7	193.337
Tl	205	1	He	103.140455	0.9	4941694.927
Pb	206	1	He	103.739767	0.9	1687978.670
Pb	207	1	He	103.801970	1.0	1411038.053
Pb	208	1	He	103.192622	0.7	6622850.627
Bi	209	1	He	100.869801	1.2	5094324.193
Th	232	1	He	109.390502	1.0	7597943.430
U	238	1	He	107.652782	1.2	7648269.887

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.22947647	943028.837
Sc	45	2	H2	80.68595179	5407711.000
Ge	72	1	He	83.26882728	563847.750
Ge	72	2	H2	81.75978894	1483002.793
In	115	1	He	80.68678444	5881577.197
Tb	159	1	He	87.23725259	14125647.290
Ir	193	1	He	83.34873378	6515555.527

Sample Name	10607493002_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	179SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:54:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	57.066515	0.6	35722.920
Be	9	2	H2	0.048238	18.1	30.833
B	11	2	H2	1287.936413	2.4	723997.957
Na	23	1	He	360999.9938	0.5	611353190.887
Mg	24	1	He	102779.3357	1.2	96683588.560
Al	27	1	He	4.764581	3.8	2646.527
Si	28	2	H2	15347.94703	4.3	55627293.333
K	39	1	He	6098.081915	1.1	8657110.497
Ca	43	1	He	274237.4728	2.1	1179746.667
Ca	44	1	He	274893.8518	1.7	19804079.543
Ti	47	1	He	0.169904	13.8	81.333
V	51	1	He	10.382451	0.3	111890.030
Cr	52	1	He	21.627621	1.2	282969.083
Mn	55	1	He	0.880909	1.2	9524.530
Fe	56	1	He	7.773608	1.1	108041.977
Co	59	1	He	0.080926	4.6	1531.407
Ni	60	1	He	0.595074	1.6	3328.320
Cu	63	1	He	0.183835	3.2	2337.497
Zn	66	1	He	4.596085	2.9	10859.980
As	75	1	He	4.152169	1.8	8123.683
Se	78	2	H2	5.060609	2.1	4750.640
Sr	88	1	He	3773.605514	1.1	60683055.760
Mo	95	1	He	0.955544	1.9	6748.020
Pd	105	1	He	0.570285	4.9	5884.477
Ag	107	1	He	0.266770	21.4	6196.203
Cd	111	1	He	0.010325	64.7	42.977
Sn	118	1	He	0.097626	2.7	1141.717
Sb	121	1	He	0.032716	11.9	515.013
Ba	138	1	He	35.727798	0.1	1238619.720
Pt	195	1	He	0.006982	60.3	170.003
Hg	202	1	He	0.022815	55.5	216.673
Tl	205	1	He	0.025445	20.5	1873.457
Pb	206	1	He	0.017732	20.3	368.343
Pb	207	1	He	0.013211	41.8	1035.043
Pb	208	1	He	0.017228	13.3	2215.083
Bi	209	1	He	0.006766	55.3	1746.803
Th	232	1	He	0.023700	7.6	1638.443
U	238	1	He	5.828990	1.1	400435.227

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	85.48704418	934909.397
Sc	45	2	H2	78.35563746	5251529.333
Ge	72	1	He	79.45359491	538013.230
Ge	72	2	H2	79.72171548	1446035.127
In	115	1	He	79.80492483	5817294.980
Tb	159	1	He	85.82530645	13897021.873
Ir	193	1	He	80.57802187	6298962.827

Sample Name	10607493003_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	180SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:58:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	56.644288	1.0	35963.380
Be	9	2	H2	0.033112	12.6	23.000
B	11	2	H2	1087.893995	2.2	620730.963
Na	23	1	He	360462.4982	1.9	621070990.747
Mg	24	1	He	97414.68990	1.1	93240681.943
Al	27	1	He	14.832352	3.4	7913.037
Si	28	2	H2	14309.51328	4.1	52621754.667
K	39	1	He	5995.510467	1.6	8662170.500
Ca	43	1	He	253891.1613	1.1	1111361.243
Ca	44	1	He	257474.5007	1.5	18873016.543
Ti	47	1	He	0.230979	16.4	111.333
V	51	1	He	10.107394	1.8	110796.053
Cr	52	1	He	11.536791	1.3	153819.433
Mn	55	1	He	215.514987	1.2	2164604.833
Fe	56	1	He	13.027245	0.9	173776.233
Co	59	1	He	0.493625	2.9	9077.650
Ni	60	1	He	2.827311	1.9	13343.617
Cu	63	1	He	0.309937	1.5	3831.753
Zn	66	1	He	3.589127	2.0	8690.127
As	75	1	He	3.788055	2.7	7576.443
Se	78	2	H2	3.821025	2.6	3607.037
Sr	88	1	He	3452.814081	1.0	56167827.497
Mo	95	1	He	1.892831	2.2	13605.447
Pd	105	1	He	0.522757	0.8	5457.643
Ag	107	1	He	0.076052	17.1	2325.177
Cd	111	1	He	0.012671	46.4	52.587
Sn	118	1	He	0.147786	11.3	1673.430
Sb	121	1	He	0.039945	7.8	618.350
Ba	138	1	He	39.177148	1.1	1371757.637
Pt	195	1	He	0.010159	8.5	213.340
Hg	202	1	He	0.018367	0.4	190.010
Tl	205	1	He	0.005673	67.2	951.703
Pb	206	1	He	0.035135	10.9	653.353
Pb	207	1	He	0.022566	44.5	1171.723
Pb	208	1	He	0.032252	3.6	3195.153
Bi	209	1	He	0.007968	73.9	1823.483
Th	232	1	He	0.011407	25.1	825.033
U	238	1	He	10.406509	0.4	725204.470

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.98562611	951298.293
Sc	45	2	H2	79.47867643	5326797.333
Ge	72	1	He	81.01039321	548554.957
Ge	72	2	H2	80.08190150	1452568.373
In	115	1	He	80.72946783	5884688.557
Tb	159	1	He	86.68242079	14035807.707
Ir	193	1	He	81.74589724	6390258.237

Sample Name	10607493004_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	181SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:02:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	59.428566	0.1	37468.927
Be	9	2	H2	0.054174	26.7	34.167
B	11	2	H2	1132.263548	3.0	641408.310
Na	23	1	He	371731.9659	0.7	637322883.837
Mg	24	1	He	100844.7456	1.4	96039018.567
Al	27	1	He	4.321194	1.9	2450.833
Si	28	2	H2	15026.93650	4.6	54855833.333
K	39	1	He	6146.955372	0.6	8833927.577
Ca	43	1	He	261363.0400	0.2	1138352.023
Ca	44	1	He	262702.4807	0.8	19160411.420
Ti	47	1	He	0.149257	42.2	72.667
V	51	1	He	10.136922	1.7	110560.503
Cr	52	1	He	11.727123	0.5	155570.353
Mn	55	1	He	224.073673	1.0	2239310.583
Fe	56	1	He	11.176044	0.6	150514.313
Co	59	1	He	0.505740	3.1	9319.767
Ni	60	1	He	2.836018	1.1	13415.010
Cu	63	1	He	0.239462	7.4	3030.930
Zn	66	1	He	2.950575	1.7	7194.800
As	75	1	He	3.866856	0.7	7748.680
Se	78	2	H2	3.997865	3.4	3760.403
Sr	88	1	He	3571.078136	1.1	57998980.800
Mo	95	1	He	1.444185	0.8	10411.527
Pd	105	1	He	0.516542	1.8	5384.270
Ag	107	1	He	0.046015	5.0	1701.767
Cd	111	1	He	0.031138	22.1	125.213
Sn	118	1	He	0.150455	4.4	1698.437
Sb	121	1	He	0.040769	8.7	628.353
Ba	138	1	He	40.498683	0.3	1412571.697
Pt	195	1	He	0.011509	34.9	230.007
Hg	202	1	He	0.023569	9.7	223.343
Tl	205	1	He	0.004089	30.7	873.367
Pb	206	1	He	0.026388	17.2	510.013
Pb	207	1	He	0.024416	29.9	1191.723
Pb	208	1	He	0.028333	12.2	2933.463
Bi	209	1	He	0.016246	27.0	2230.213
Th	232	1	He	0.013193	5.1	943.370
U	238	1	He	10.652895	1.0	739918.453

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.54490424	946478.440
Sc	45	2	H2	78.92139438	5289447.333
Ge	72	1	He	81.20637048	549882.000
Ge	72	2	H2	79.82097708	1447835.587
In	115	1	He	80.59902451	5875180.030
Tb	159	1	He	86.34878575	13981784.790
Ir	193	1	He	81.47398164	6369001.990

Sample Name	10607493005_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	182SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:05:47
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	45.259031	0.8	28968.930
Be	9	2	H2	0.032194	19.0	22.667
B	11	2	H2	1148.506739	2.3	660165.760
Na	23	1	He	330888.3929	1.5	567630244.873
Mg	24	1	He	91507.04617	2.0	87196668.700
Al	27	1	He	14.081450	1.2	7489.517
Si	28	2	H2	14705.96605	4.5	54487246.667
K	39	1	He	5179.883399	1.1	7466802.597
Ca	43	1	He	259424.8479	1.2	1130568.393
Ca	44	1	He	260685.2520	1.5	19024647.260
Ti	47	1	He	0.199152	15.5	96.000
V	51	1	He	6.581844	8.8	71246.387
Cr	52	1	He	116.596723	1.5	1543134.460
Mn	55	1	He	0.235678	1.4	3198.967
Fe	56	1	He	14.954947	0.7	196326.930
Co	59	1	He	0.099692	5.5	1897.443
Ni	60	1	He	1.201058	1.9	6077.043
Cu	63	1	He	0.253882	4.3	3178.297
Zn	66	1	He	1.921717	1.9	4727.303
As	75	1	He	3.886275	1.8	7743.513
Se	78	2	H2	5.508641	3.3	5235.113
Sr	88	1	He	3190.967425	0.6	52226402.553
Mo	95	1	He	0.980315	3.1	7034.817
Pd	105	1	He	0.467791	6.7	4917.450
Ag	107	1	He	0.031684	14.1	1416.737
Cd	111	1	He	0.032032	29.4	129.557
Sn	118	1	He	0.162816	4.2	1840.120
Sb	121	1	He	0.041020	5.9	636.687
Ba	138	1	He	37.780489	1.0	1312462.297
Pt	195	1	He	0.008234	52.4	186.670
Hg	202	1	He	0.012957	16.5	153.333
Tl	205	1	He	0.005410	37.5	931.700
Pb	206	1	He	0.052712	4.5	930.037
Pb	207	1	He	0.048783	22.1	1513.420
Pb	208	1	He	0.052837	5.4	4471.940
Bi	209	1	He	0.026761	18.4	2743.623
Th	232	1	He	0.015590	2.6	1093.387
U	238	1	He	8.409359	0.8	577370.953

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.59989313	947079.813
Sc	45	2	H2	80.08284130	5367289.500
Ge	72	1	He	80.76282111	546878.543
Ge	72	2	H2	80.71959100	1464135.127
In	115	1	He	81.21908959	5920379.013
Tb	159	1	He	86.00324942	13925834.790
Ir	193	1	He	80.53429893	6295544.907

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	183_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:09:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	78.610044	6.5	53113.043
Be	9	2	H2	77.855331	6.3	44814.847
B	11	2	H2	87.470830	7.7	55509.867
Na	23	1	He	2123.732772	2.2	3625418.487
Mg	24	1	He	2027.319834	1.6	1917281.797
Al	27	1	He	1970.596402	1.4	1007925.087
Si	28	2	H2	964.331957	7.0	3781887.500
K	39	1	He	2021.540758	1.7	2957413.390
Ca	43	1	He	1999.385088	2.0	8642.740
Ca	44	1	He	1969.155285	2.9	142556.207
Ti	47	1	He	75.513959	1.7	35008.830
V	51	1	He	80.405265	1.6	880297.897
Cr	52	1	He	81.298297	2.0	1066312.520
Mn	55	1	He	82.636605	1.1	819305.540
Fe	56	1	He	1022.304742	2.3	12268490.000
Co	59	1	He	82.351711	2.0	1582124.960
Ni	60	1	He	82.171935	1.6	387149.520
Cu	63	1	He	84.184698	1.3	1020392.123
Zn	66	1	He	80.557095	1.0	201400.467
As	75	1	He	77.456253	1.3	158707.423
Se	78	2	H2	75.828622	1.7	75748.893
Sr	88	1	He	75.660503	1.0	1311318.313
Mo	95	1	He	80.934947	0.9	612799.143
Pd	105	1	He	78.941695	0.3	873144.310
Ag	107	1	He	39.494487	2.5	871198.190
Cd	111	1	He	77.562910	0.6	325443.897
Sn	118	1	He	77.387320	1.0	852719.467
Sb	121	1	He	74.346626	0.9	1068746.103
Ba	138	1	He	78.016651	0.9	2839461.210
Pt	195	1	He	78.303737	1.6	1060532.170
Hg	202	1	He	3.678452	3.8	25193.420
Tl	205	1	He	39.896537	0.3	1974841.223
Pb	206	1	He	80.247427	1.4	1348656.597
Pb	207	1	He	83.575557	0.8	1173640.737
Pb	208	1	He	81.418597	0.9	5397597.290
Bi	209	1	He	83.159208	1.4	4338441.707
Th	232	1	He	78.370465	2.0	5829233.663
U	238	1	He	76.352328	2.7	5808931.163

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	85.80391029	938374.730
Sc	45	2	H2	84.53795448	5665878.833
Ge	72	1	He	85.44474190	578581.770
Ge	72	2	H2	85.08691817	1543352.043
In	115	1	He	85.99005535	6268153.480
Tb	159	1	He	90.10525037	14590039.780
Ir	193	1	He	89.25519048	6977276.357

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	184_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:12:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.078484	5.2	116.167
Be	9	2	H2	0.025983	16.9	21.333
B	11	2	H2	6.993436	12.1	7151.510
Na	23	1	He	53.627384	3.1	109013.800
Mg	24	1	He	0.500494	65.8	3645.403
Al	27	1	He	0.275353	12.3	369.000
Si	28	2	H2	0.883729	81.6	14807.747
K	39	1	He	12.997785	13.2	136013.917
Ca	43	1	He	7.730237	28.0	43.613
Ca	44	1	He	7.718260	26.5	737.063
Ti	47	1	He	0.012119	72.2	8.667
V	51	1	He	-0.045931		-2112.697
Cr	52	1	He	0.005486	15.2	583.343
Mn	55	1	He	-0.061075		235.333
Fe	56	1	He	0.008526	74.7	15717.500
Co	59	1	He	0.001170	117.3	116.000
Ni	60	1	He	-0.131895		162.667
Cu	63	1	He	0.016794	17.6	492.677
Zn	66	1	He	0.006031	209.6	218.667
As	75	1	He	0.005607	110.4	255.667
Se	78	2	H2	0.006051	40.2	22.333
Sr	88	1	He	0.079274	5.5	1643.423
Mo	95	1	He	0.011158	28.1	106.667
Pd	105	1	He	0.014465	35.7	200.007
Ag	107	1	He	0.224224	9.0	5987.747
Cd	111	1	He	0.003498	114.1	18.300
Sn	118	1	He	0.028348	25.7	486.677
Sb	121	1	He	0.004362	63.2	153.333
Ba	138	1	He	0.014722	22.4	701.690
Pt	195	1	He	0.006170	63.3	173.337
Hg	202	1	He	0.013072	115.7	166.670
Tl	205	1	He	0.038240	19.6	2685.260
Pb	206	1	He	0.003654	33.2	155.000
Pb	207	1	He	0.002148	240.4	961.710
Pb	208	1	He	0.003159	39.3	1438.383
Bi	209	1	He	0.007027	21.8	1906.820
Th	232	1	He	0.008724	30.2	730.027
U	238	1	He	0.003431	4.9	356.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	87.70660593	959183.123
Sc	45	2	H2	88.39070321	5924096.667
Ge	72	1	He	86.00840748	582398.583
Ge	72	2	H2	88.84063220	1611438.917
In	115	1	He	89.67736904	6536936.283
Tb	159	1	He	93.04675571	15066334.777
Ir	193	1	He	92.86656501	7259585.520

Sample Name	10607493007_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	185SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:16:32
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	59.318496	1.9	37690.637
Be	9	2	H2	0.061053	4.2	38.167
B	11	2	H2	246.028001	4.9	142447.897
Na	23	1	He	77143.27973	0.7	127055001.440
Mg	24	1	He	87515.60211	1.1	80058250.473
Al	27	1	He	256.578181	1.3	127331.463
Si	28	2	H2	14310.49469	6.4	52689053.333
K	39	1	He	9174.048020	0.8	12609322.727
Ca	43	1	He	200645.3436	0.6	839431.683
Ca	44	1	He	202221.6863	1.1	14167390.527
Ti	47	1	He	6.178285	2.2	2777.560
V	51	1	He	8.730423	1.7	91258.700
Cr	52	1	He	7.302625	1.1	93235.470
Mn	55	1	He	17.377914	0.1	167567.853
Fe	56	1	He	212.406011	1.5	2481258.333
Co	59	1	He	0.179175	4.8	3288.983
Ni	60	1	He	0.590753	1.3	3312.980
Cu	63	1	He	0.716377	2.5	8344.623
Zn	66	1	He	6.500953	0.9	15299.200
As	75	1	He	3.250528	1.6	6414.657
Se	78	2	H2	4.259430	3.1	4020.460
Sr	88	1	He	2412.797792	1.6	39160083.583
Mo	95	1	He	0.696848	0.8	4930.737
Pd	105	1	He	0.376911	4.0	3933.867
Ag	107	1	He	0.082191	9.1	2446.860
Cd	111	1	He	0.024391	21.1	98.520
Sn	118	1	He	0.311650	3.3	3360.360
Sb	121	1	He	0.067287	4.1	985.040
Ba	138	1	He	90.027274	1.0	3139043.807
Pt	195	1	He	0.014052	35.1	263.343
Hg	202	1	He	0.028257	76.7	253.343
Tl	205	1	He	0.021344	21.1	1690.107
Pb	206	1	He	0.256468	2.1	4213.927
Pb	207	1	He	0.250610	7.0	4233.927
Pb	208	1	He	0.254038	0.7	17265.370
Bi	209	1	He	0.019709	12.8	2403.563
Th	232	1	He	0.038111	7.4	2693.590
U	238	1	He	6.791166	0.6	482072.520

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.13202856	909154.310
Sc	45	2	H2	79.48645501	5327318.667
Ge	72	1	He	79.52726883	538512.107
Ge	72	2	H2	80.10717918	1453026.873
In	115	1	He	80.54636050	5871341.143
Tb	159	1	He	86.32942717	13978650.207
Ir	193	1	He	83.26257253	6508820.110

Sample Name	10607493008_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	186SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:20:09
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	61.315485	3.8	41813.867
Be	9	2	H2	0.051923	1.6	35.667
B	11	2	H2	97.901823	2.8	62347.333
Na	23	1	He	30924.21841	0.7	52979825.877
Mg	24	1	He	10563.73528	0.6	10053293.393
Al	27	1	He	313.239060	0.4	161624.077
Si	28	2	H2	2292.714299	5.8	9063032.833
K	39	1	He	5846.709047	0.4	8399735.917
Ca	43	1	He	56511.42629	0.6	245890.733
Ca	44	1	He	57628.56277	1.0	4199152.020
Ti	47	1	He	8.428242	1.3	3939.770
V	51	1	He	2.887035	5.2	30326.067
Cr	52	1	He	2.479767	1.1	33260.380
Mn	55	1	He	13.100481	0.8	131583.840
Fe	56	1	He	296.018287	0.7	3590422.000
Co	59	1	He	0.204670	2.9	3951.113
Ni	60	1	He	0.749633	0.5	4228.513
Cu	63	1	He	3.259152	0.9	39058.870
Zn	66	1	He	23.884609	0.5	58769.720
As	75	1	He	0.559325	0.8	1361.717
Se	78	2	H2	0.791478	1.2	811.687
Sr	88	1	He	1870.024849	0.5	32565598.683
Mo	95	1	He	3.759310	2.5	27964.120
Pd	105	1	He	0.287190	6.6	3223.707
Ag	107	1	He	0.034825	4.1	1576.753
Cd	111	1	He	0.279150	2.8	1180.000
Sn	118	1	He	0.421086	4.3	4817.387
Sb	121	1	He	0.688001	3.1	10023.033
Ba	138	1	He	463.158899	0.2	17116260.993
Pt	195	1	He	0.010287	30.2	226.677
Hg	202	1	He	0.018255	27.1	200.007
Tl	205	1	He	0.016699	10.8	1558.423
Pb	206	1	He	0.599842	6.1	10323.420
Pb	207	1	He	0.604882	4.5	9536.270
Pb	208	1	He	0.605728	1.3	41968.413
Bi	209	1	He	0.056639	20.4	4504.100
Th	232	1	He	0.058037	4.8	4383.980
U	238	1	He	0.727749	1.4	55645.307

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.45899897	945538.957
Sc	45	2	H2	85.28928558	5716234.333
Ge	72	1	He	83.89837914	568110.707
Ge	72	2	H2	85.69344216	1554353.500
In	115	1	He	86.41816276	6299359.913
Tb	159	1	He	91.49734644	14815451.030
Ir	193	1	He	89.56851577	7001769.690

Sample Name	10607493012_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	187SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:23:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	54.180835	1.9	33809.770
Be	9	2	H2	0.023967	9.0	17.833
B	11	2	H2	1173.607008	2.5	658096.773
Na	23	1	He	368497.7434	0.5	620603764.087
Mg	24	1	He	101582.2507	0.5	95033185.250
Al	27	1	He	24.837298	1.4	12802.750
Si	28	2	H2	14780.85115	3.8	53436461.333
K	39	1	He	6281.551984	0.7	8865107.573
Ca	43	1	He	270187.8802	1.2	1156010.170
Ca	44	1	He	270633.6246	0.4	19390231.500
Ti	47	1	He	0.189811	12.1	90.000
V	51	1	He	9.469870	3.3	101348.137
Cr	52	1	He	31.586955	0.5	410782.583
Mn	55	1	He	0.975973	1.0	10405.013
Fe	56	1	He	10.672632	0.7	141877.603
Co	59	1	He	0.141271	5.2	2601.530
Ni	60	1	He	4.090293	1.0	18558.233
Cu	63	1	He	0.874341	1.4	10090.853
Zn	66	1	He	17.592775	2.4	40923.770
As	75	1	He	3.827447	1.1	7485.737
Se	78	2	H2	5.235182	3.0	4856.003
Sr	88	1	He	3473.386326	0.7	55417934.177
Mo	95	1	He	0.928501	2.0	6537.957
Pd	105	1	He	0.501330	1.5	5134.227
Ag	107	1	He	0.036970	12.2	1488.413
Cd	111	1	He	0.035048	3.3	138.040
Sn	118	1	He	0.089145	3.9	1046.710
Sb	121	1	He	0.038322	18.7	585.013
Ba	138	1	He	40.428177	1.4	1379560.343
Pt	195	1	He	0.005598	28.0	150.000
Hg	202	1	He	0.006625	23.4	110.000
Tl	205	1	He	0.007122	4.1	995.043
Pb	206	1	He	0.131620	9.0	2156.827
Pb	207	1	He	0.110367	4.0	2296.860
Pb	208	1	He	0.121064	1.1	8632.603
Bi	209	1	He	0.016411	17.8	2190.197
Th	232	1	He	0.010777	10.2	755.027
U	238	1	He	9.749798	0.6	656157.897

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	85.01424617	929738.750
Sc	45	2	H2	78.12971069	5236387.333
Ge	72	1	He	79.23477948	536531.540
Ge	72	2	H2	78.81994530	1429678.337
In	115	1	He	79.17397467	5771302.540
Tb	159	1	He	84.47857688	13678956.467
Ir	193	1	He	78.94436659	6171256.367

Sample Name	10607493013_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	188SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:27:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	54.481462	1.1	34385.450
Be	9	2	H2	0.029218	5.6	20.833
B	11	2	H2	1193.471453	2.1	676412.853
Na	23	1	He	373931.3523	0.4	634765363.873
Mg	24	1	He	103310.3043	0.5	97416321.880
Al	27	1	He	82.005374	0.3	42099.123
Si	28	2	H2	14978.35424	4.6	54727730.667
K	39	1	He	6389.535002	1.5	9086890.907
Ca	43	1	He	277676.0720	1.0	1197425.880
Ca	44	1	He	274301.5670	1.4	19808684.403
Ti	47	1	He	0.278761	30.0	132.000
V	51	1	He	9.775289	1.5	105504.643
Cr	52	1	He	31.414656	0.7	411787.657
Mn	55	1	He	16.712003	1.0	166131.347
Fe	56	1	He	825.207074	1.7	9892242.000
Co	59	1	He	0.144489	3.7	2657.537
Ni	60	1	He	2.372783	2.0	11058.760
Cu	63	1	He	0.564164	0.8	6597.890
Zn	66	1	He	3.564973	1.9	8435.337
As	75	1	He	3.953914	1.3	7718.000
Se	78	2	H2	5.306468	3.1	4962.363
Sr	88	1	He	3500.127122	1.5	56418715.827
Mo	95	1	He	0.971066	4.3	6829.743
Pd	105	1	He	0.564298	4.4	5834.437
Ag	107	1	He	0.022804	16.0	1213.390
Cd	111	1	He	0.015031	18.4	61.287
Sn	118	1	He	0.133332	6.0	1510.087
Sb	121	1	He	0.040239	5.5	616.687
Ba	138	1	He	41.904750	2.3	1445711.070
Pt	195	1	He	0.005467	98.5	150.003
Hg	202	1	He	0.021357	53.9	206.673
Tl	205	1	He	-0.002744		543.350
Pb	206	1	He	0.058770	7.5	1020.043
Pb	207	1	He	0.058214	10.6	1628.437
Pb	208	1	He	0.060519	5.5	4923.663
Bi	209	1	He	0.011666	9.2	1980.163
Th	232	1	He	0.009023	17.5	643.357
U	238	1	He	10.339023	2.2	699644.547

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	85.69101927	937140.123
Sc	45	2	H2	78.97745830	5293204.833
Ge	72	1	He	79.15433740	535986.833
Ge	72	2	H2	79.44141905	1440950.960
In	115	1	He	79.99391436	5831071.170
Tb	159	1	He	85.41566783	13830692.290
Ir	193	1	He	79.37934102	6205259.283

Sample Name	10607493014_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	189SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:30:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	55.931084	0.7	34166.387
Be	9	2	H2	0.020003	12.1	15.333
B	11	2	H2	1224.648485	1.3	671817.283
Na	23	1	He	371916.0226	0.2	614242324.180
Mg	24	1	He	102740.8727	0.3	94255931.927
Al	27	1	He	16.762323	1.4	8542.307
Si	28	2	H2	15224.37446	3.5	53857600.000
K	39	1	He	6308.572322	0.3	8730577.370
Ca	43	1	He	270879.5156	0.7	1136480.600
Ca	44	1	He	273989.8228	0.1	19250640.387
Ti	47	1	He	0.243873	13.1	112.667
V	51	1	He	9.296601	3.5	97560.157
Cr	52	1	He	32.786186	0.2	418105.170
Mn	55	1	He	1.361760	2.3	13916.690
Fe	56	1	He	19.996223	0.4	247709.407
Co	59	1	He	0.164881	3.5	2948.253
Ni	60	1	He	5.674866	1.8	24830.387
Cu	63	1	He	1.306570	0.7	14573.263
Zn	66	1	He	18.532838	1.0	42029.017
As	75	1	He	3.855202	1.7	7349.513
Se	78	2	H2	5.421587	0.5	4892.017
Sr	88	1	He	3506.316996	1.6	54545764.190
Mo	95	1	He	0.992642	5.6	6814.717
Pd	105	1	He	0.550385	4.5	5494.330
Ag	107	1	He	0.011818	4.6	953.370
Cd	111	1	He	0.019551	33.7	76.290
Sn	118	1	He	0.362281	1.9	3722.103
Sb	121	1	He	0.033511	19.9	508.347
Ba	138	1	He	41.346933	1.5	1384194.040
Pt	195	1	He	0.014936	42.2	263.343
Hg	202	1	He	0.017045	11.5	173.340
Tl	205	1	He	-0.003487		493.343
Pb	206	1	He	0.174489	2.6	2778.607
Pb	207	1	He	0.174296	0.9	3078.663
Pb	208	1	He	0.169811	0.5	11441.630
Bi	209	1	He	0.006506	27.2	1673.460
Th	232	1	He	0.005703	0.8	413.343
U	238	1	He	9.825919	0.9	648818.770

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.36935841	911749.813
Sc	45	2	H2	76.47151184	5125252.000
Ge	72	1	He	77.25279135	523110.677
Ge	72	2	H2	76.64276874	1390187.543
In	115	1	He	77.20149273	5627520.570
Tb	159	1	He	82.88182232	13420406.467
Ir	193	1	He	77.45420059	6054766.783

Sample Name	10607493015_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	190SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:34:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	70.100857	1.3	43201.830
Be	9	2	H2	0.013049	20.5	11.833
B	11	2	H2	259.482753	3.8	145576.437
Na	23	1	He	130128.0647	0.5	213700663.480
Mg	24	1	He	112709.8587	1.2	102811301.803
Al	27	1	He	7.262668	0.5	3800.730
Si	28	2	H2	12345.88145	5.6	44085550.667
K	39	1	He	5894.965969	0.6	8118915.920
Ca	43	1	He	257762.1561	0.1	1075307.357
Ca	44	1	He	260716.4983	0.6	18213563.607
Ti	47	1	He	0.246913	13.8	113.333
V	51	1	He	9.027986	1.5	94148.300
Cr	52	1	He	27.650734	0.6	350685.207
Mn	55	1	He	1.497412	0.6	15135.007
Fe	56	1	He	1102.817912	1.2	12784373.667
Co	59	1	He	0.286088	2.2	5100.743
Ni	60	1	He	7.633271	1.4	33473.000
Cu	63	1	He	0.481950	2.7	5591.557
Zn	66	1	He	30.088152	0.6	68772.227
As	75	1	He	3.966375	1.1	7627.463
Se	78	2	H2	4.839858	1.3	4412.557
Sr	88	1	He	3682.731382	1.1	58124235.800
Mo	95	1	He	0.992770	4.4	6879.747
Pd	105	1	He	0.567814	10.1	5747.740
Ag	107	1	He	-0.004057		648.350
Cd	111	1	He	0.004433	111.5	19.603
Sn	118	1	He	0.043263	11.4	575.020
Sb	121	1	He	0.028998	9.1	456.677
Ba	138	1	He	103.850322	0.4	3514253.073
Pt	195	1	He	0.008611	19.4	186.673
Hg	202	1	He	0.013060	63.5	150.003
Tl	205	1	He	-0.007914		295.007
Pb	206	1	He	0.015103	24.5	318.340
Pb	207	1	He	0.009745	128.5	965.040
Pb	208	1	He	0.014464	18.3	1991.733
Bi	209	1	He	-0.001163		1320.087
Th	232	1	He	0.003375	31.5	270.007
U	238	1	He	5.080122	0.5	344333.313

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.89430857	906554.540
Sc	45	2	H2	77.13788043	5169913.167
Ge	72	1	He	77.98689940	528081.627
Ge	72	2	H2	77.41745442	1404239.207
In	115	1	He	78.32418755	5709358.213
Tb	159	1	He	83.77942936	13565748.967
Ir	193	1	He	79.50082224	6214755.740

Sample Name	4319210_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	191SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:38:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	164.608590	0.9	103554.530
Be	9	2	H2	97.439049	1.3	52263.263
B	11	2	H2	326.145977	4.3	186382.070
Na	23	1	He	126461.0478	0.8	210564996.867
Mg	24	1	He	109668.5468	1.0	101424441.823
Al	27	1	He	2102.817489	0.7	1053491.477
Si	28	2	H2	10764.05902	6.4	39287904.000
K	39	1	He	7804.402518	0.6	10861862.340
Ca	43	1	He	251168.4146	0.7	1062347.827
Ca	44	1	He	251479.4596	0.5	17812771.140
Ti	47	1	He	101.829068	2.0	46235.720
V	51	1	He	117.352098	1.3	1259083.683
Cr	52	1	He	132.790440	1.4	1705528.500
Mn	55	1	He	106.198937	1.3	1031035.707
Fe	56	1	He	3109.693436	1.5	36520485.333
Co	59	1	He	107.428147	1.4	1929732.623
Ni	60	1	He	111.661238	0.5	491694.940
Cu	63	1	He	103.574210	0.9	1173836.710
Zn	66	1	He	129.878557	0.5	303513.313
As	75	1	He	112.228560	0.3	214929.207
Se	78	2	H2	111.881043	0.4	104199.330
Sr	88	1	He	3655.133679	0.9	58179364.133
Mo	95	1	He	112.564206	1.2	796915.850
Pd	105	1	He	20.241701	0.6	205681.360
Ag	107	1	He	41.706630	4.2	845178.660
Cd	111	1	He	100.892921	0.8	388859.773
Sn	118	1	He	104.104486	0.6	1053617.903
Sb	121	1	He	103.432770	1.0	1365713.937
Ba	138	1	He	205.514166	1.3	6985230.523
Pt	195	1	He	20.209770	1.0	255709.217
Hg	202	1	He	0.019757	18.3	193.340
Tl	205	1	He	102.937624	0.7	4757690.970
Pb	206	1	He	102.601444	0.7	1610475.027
Pb	207	1	He	102.502370	0.7	1344187.950
Pb	208	1	He	101.701513	0.8	6296639.490
Bi	209	1	He	99.729554	1.7	4858890.550
Th	232	1	He	110.037366	1.1	7387063.430
U	238	1	He	109.222061	1.5	7499911.557

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	84.05111340	919205.670
Sc	45	2	H2	78.80589699	5281706.500
Ge	72	1	He	79.90274085	541054.583
Ge	72	2	H2	79.32291683	1438801.503
In	115	1	He	78.99056472	5757933.067
Tb	159	1	He	84.15597337	13626719.800
Ir	193	1	He	80.55611772	6297250.530

Sample Name	10607493016_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	192SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:41:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	65.851158	1.6	40187.713
Be	9	2	H2	0.041916	22.9	26.833
B	11	2	H2	252.187795	4.3	140175.427
Na	23	1	He	123851.1924	1.2	202900063.643
Mg	24	1	He	106591.1369	1.6	96995688.553
Al	27	1	He	10.373217	1.1	5324.437
Si	28	2	H2	11304.96057	6.1	39976277.333
K	39	1	He	5679.103582	1.1	7806673.220
Ca	43	1	He	250745.9725	0.7	1043490.033
Ca	44	1	He	252823.9169	1.3	17619373.450
Ti	47	1	He	0.205684	13.9	94.667
V	51	1	He	7.538671	2.3	78178.003
Cr	52	1	He	12.674599	0.4	160613.827
Mn	55	1	He	5.645808	1.9	54696.140
Fe	56	1	He	65.716987	1.0	773821.393
Co	59	1	He	0.265562	3.0	4743.310
Ni	60	1	He	1.050210	3.9	5222.773
Cu	63	1	He	0.609091	0.8	7000.720
Zn	66	1	He	3.124353	2.2	7310.180
As	75	1	He	3.218940	0.3	6235.087
Se	78	2	H2	4.543163	0.9	4113.817
Sr	88	1	He	3529.795691	1.1	55905574.167
Mo	95	1	He	1.090367	7.1	7558.377
Pd	105	1	He	0.522493	3.8	5310.927
Ag	107	1	He	0.294893	21.8	6673.030
Cd	111	1	He	0.064781	12.0	251.070
Sn	118	1	He	0.227131	4.6	2428.533
Sb	121	1	He	0.054765	8.2	796.693
Ba	138	1	He	98.197670	0.3	3333320.263
Pt	195	1	He	0.007770	15.2	176.670
Hg	202	1	He	0.009869	97.3	130.003
Tl	205	1	He	0.053915	25.1	3148.683
Pb	206	1	He	0.536406	1.5	8490.677
Pb	207	1	He	0.525944	4.4	7723.617
Pb	208	1	He	0.542116	0.6	34616.667
Bi	209	1	He	0.030354	6.0	2856.980
Th	232	1	He	0.030279	12.9	2031.823
U	238	1	He	4.117238	1.8	276294.737

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.69146457	904336.183
Sc	45	2	H2	76.37304127	5118652.333
Ge	72	1	He	78.02599463	528346.357
Ge	72	2	H2	76.87337795	1394370.457
In	115	1	He	78.59615138	5729182.727
Tb	159	1	He	84.04053985	13608028.550
Ir	193	1	He	78.71229881	6153115.113

Sample Name	10607493017_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	193SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:45:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	67.671343	1.3	40698.833
Be	9	2	H2	0.034986	23.6	22.667
B	11	2	H2	259.309691	4.0	142003.293
Na	23	1	He	127220.6269	0.5	203347330.303
Mg	24	1	He	108962.3052	1.2	96738238.560
Al	27	1	He	51.944920	0.7	25184.683
Si	28	2	H2	11707.36911	5.4	40803497.333
K	39	1	He	5834.682020	0.5	7822461.340
Ca	43	1	He	251997.7859	0.7	1023181.933
Ca	44	1	He	254595.3152	1.1	17311030.153
Ti	47	1	He	2.160696	18.1	944.057
V	51	1	He	7.855136	3.3	79530.047
Cr	52	1	He	21.686897	0.8	267800.147
Mn	55	1	He	10.359769	0.5	97267.020
Fe	56	1	He	652.733951	0.7	7370734.500
Co	59	1	He	0.219330	0.9	3851.757
Ni	60	1	He	7.986926	1.7	34285.843
Cu	63	1	He	606.147159	2.1	6568455.500
Zn	66	1	He	747.124633	1.6	1668940.663
As	75	1	He	3.464353	1.3	6555.533
Se	78	2	H2	4.664643	1.5	4161.160
Sr	88	1	He	3615.582090	1.1	56027994.167
Mo	95	1	He	1.268526	3.7	8612.197
Pd	105	1	He	0.578504	7.3	5751.107
Ag	107	1	He	0.108580	4.6	2856.940
Cd	111	1	He	0.149237	10.6	562.430
Sn	118	1	He	0.395035	3.9	4030.517
Sb	121	1	He	0.085792	15.1	1178.387
Ba	138	1	He	109.956517	0.9	3659676.720
Pt	195	1	He	0.008319	73.4	180.003
Hg	202	1	He	0.013470	31.9	150.003
Tl	205	1	He	0.015106	18.3	1331.737
Pb	206	1	He	20.199628	1.0	310530.530
Pb	207	1	He	21.165475	1.2	272441.957
Pb	208	1	He	20.594187	1.4	1249403.053
Bi	209	1	He	0.025086	3.2	2550.253
Th	232	1	He	0.027147	2.1	1818.457
U	238	1	He	4.497849	1.4	300463.570

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.68157638	882355.503
Sc	45	2	H2	75.26804620	5044593.667
Ge	72	1	He	76.42419491	517499.907
Ge	72	2	H2	75.74559724	1373914.167
In	115	1	He	76.90077704	5605600.220
Tb	159	1	He	82.40269302	13342824.800
Ir	193	1	He	78.35156486	6124915.740

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	194_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:48:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.686888	6.7	49827.783
Be	9	2	H2	75.644671	6.0	41873.597
B	11	2	H2	82.139062	5.9	50264.800
Na	23	1	He	2093.791796	1.6	3381799.117
Mg	24	1	He	2043.484374	1.9	1828346.117
Al	27	1	He	1982.690918	1.6	959453.813
Si	28	2	H2	966.548492	7.0	3645412.333
K	39	1	He	2045.549890	1.3	2829954.750
Ca	43	1	He	2032.272415	2.3	8311.250
Ca	44	1	He	1999.121862	2.3	136920.300
Ti	47	1	He	77.668803	2.3	34068.447
V	51	1	He	81.205110	0.9	841159.700
Cr	52	1	He	81.391546	1.4	1009992.460
Mn	55	1	He	82.923346	1.0	777848.517
Fe	56	1	He	1029.681835	1.8	11690705.333
Co	59	1	He	82.790756	1.1	1500609.710
Ni	60	1	He	82.820338	1.2	368143.887
Cu	63	1	He	84.766568	1.6	969323.457
Zn	66	1	He	81.099486	1.1	191289.300
As	75	1	He	78.054737	1.4	150885.817
Se	78	2	H2	76.144327	2.2	72731.413
Sr	88	1	He	76.417759	1.2	1264121.123
Mo	95	1	He	81.495774	2.0	582146.397
Pd	105	1	He	78.565882	0.5	829416.447
Ag	107	1	He	39.543309	2.8	832600.717
Cd	111	1	He	77.733427	0.4	311310.163
Sn	118	1	He	77.342094	0.9	813363.737
Sb	121	1	He	74.706219	0.7	1024954.670
Ba	138	1	He	79.389185	1.2	2756256.833
Pt	195	1	He	78.499785	0.7	1014263.553
Hg	202	1	He	3.571715	1.1	23340.723
Tl	205	1	He	39.981879	0.4	1887953.723
Pb	206	1	He	80.526072	1.2	1291029.307
Pb	207	1	He	84.170707	1.4	1127548.163
Pb	208	1	He	82.160684	1.6	5195779.927
Bi	209	1	He	84.667530	1.9	4213521.603
Th	232	1	He	79.021019	1.0	5584610.337
U	238	1	He	76.702504	0.3	5544631.793

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	81.18348577	887844.520
Sc	45	2	H2	81.29994432	5448861.833
Ge	72	1	He	80.61810393	545898.603
Ge	72	2	H2	81.36589458	1475858.127
In	115	1	He	82.07467920	5982746.307
Tb	159	1	He	85.95941407	13918736.873
Ir	193	1	He	84.80099202	6629081.777

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	195_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:52:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.106668	11.0	128.333
Be	9	2	H2	0.020864	29.9	17.167
B	11	2	H2	7.318557	14.2	6938.140
Na	23	1	He	41.606868	5.6	80930.130
Mg	24	1	He	-0.164879		2753.570
Al	27	1	He	0.375892	33.0	386.007
Si	28	2	H2	4.784051	28.0	28909.050
K	39	1	He	21.790553	24.5	136487.577
Ca	43	1	He	3.279062	23.1	21.943
Ca	44	1	He	3.449049	45.1	384.660
Ti	47	1	He	0.007373	101.9	6.000
V	51	1	He	-0.002374		-1507.960
Cr	52	1	He	0.004517	69.5	523.343
Mn	55	1	He	-0.064162		187.333
Fe	56	1	He	0.080941	127.9	15234.427
Co	59	1	He	0.002188	101.7	124.000
Ni	60	1	He	-0.136502		129.333
Cu	63	1	He	0.025834	13.4	555.343
Zn	66	1	He	0.005785	82.0	200.667
As	75	1	He	0.027690	51.2	276.333
Se	78	2	H2	0.012756	62.2	27.667
Sr	88	1	He	0.039984	13.1	855.030
Mo	95	1	He	0.013043	24.2	111.667
Pd	105	1	He	0.014770	31.4	186.670
Ag	107	1	He	0.254523	18.6	6116.153
Cd	111	1	He	0.002209	137.9	11.633
Sn	118	1	He	0.036946	16.2	540.017
Sb	121	1	He	0.008634	39.4	200.000
Ba	138	1	He	0.014571	13.0	638.353
Pt	195	1	He	0.005168	30.9	146.667
Hg	202	1	He	0.032979	38.3	280.010
Tl	205	1	He	0.044388	22.8	2745.270
Pb	206	1	He	0.004845	55.9	161.667
Pb	207	1	He	0.007100	114.2	946.700
Pb	208	1	He	0.004854	36.2	1425.043
Bi	209	1	He	0.007667	34.5	1783.467
Th	232	1	He	0.011361	9.8	856.700
U	238	1	He	0.004063	33.0	371.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.66294358	882151.730
Sc	45	2	H2	83.30807452	5583450.167
Ge	72	1	He	79.10730439	535668.353
Ge	72	2	H2	83.75324486	1519161.163
In	115	1	He	82.39513572	6006105.643
Tb	159	1	He	85.45971421	13837824.377
Ir	193	1	He	85.41466911	6677054.277

Sample Name	4319217_B70178Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	196SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:56:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.091075	8.0	118.500
Be	9	2	H2	0.029121	3.8	22.000
B	11	2	H2	6.439898	17.5	6444.587
Na	23	1	He	51.884420	1.7	99904.980
Mg	24	1	He	2.711176	2.4	5447.517
Al	27	1	He	10.131886	2.1	5204.740
Si	28	2	H2	6.195222	11.9	34586.053
K	39	1	He	20.822190	8.5	138811.660
Ca	43	1	He	22.684133	11.4	103.313
Ca	44	1	He	22.933469	12.0	1754.447
Ti	47	1	He	0.090857	45.5	43.333
V	51	1	He	0.014168	362.2	-1356.747
Cr	52	1	He	0.200797	4.0	3016.930
Mn	55	1	He	0.025073	6.9	1044.030
Fe	56	1	He	3.623145	1.5	56560.553
Co	59	1	He	0.007950	5.9	230.667
Ni	60	1	He	-0.092276		326.670
Cu	63	1	He	0.744904	2.9	8748.150
Zn	66	1	He	1.892998	2.3	4631.280
As	75	1	He	0.021426	32.7	269.000
Se	78	2	H2	0.005939	86.2	21.000
Sr	88	1	He	0.057112	11.2	1186.717
Mo	95	1	He	0.027642	15.1	216.667
Pd	105	1	He	0.001385	77.3	46.667
Ag	107	1	He	0.064288	11.5	2210.163
Cd	111	1	He	0.013661	46.3	59.933
Sn	118	1	He	0.149846	4.4	1798.443
Sb	121	1	He	0.010995	25.3	241.670
Ba	138	1	He	0.693154	0.2	24664.763
Pt	195	1	He	0.007466	41.6	180.003
Hg	202	1	He	0.014046	5.9	163.333
Tl	205	1	He	0.006348	48.3	995.040
Pb	206	1	He	0.038177	12.4	710.023
Pb	207	1	He	0.041853	12.6	1446.750
Pb	208	1	He	0.038208	9.0	3611.853
Bi	209	1	He	0.015743	21.0	2236.870
Th	232	1	He	0.007116	16.1	573.350
U	238	1	He	0.003372	32.7	333.340

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.67792248	904188.083
Sc	45	2	H2	83.71631533	5610811.167
Ge	72	1	He	80.26787578	543527.063
Ge	72	2	H2	83.72671074	1518679.873
In	115	1	He	85.65063164	6243411.550
Tb	159	1	He	87.59888462	14184203.540
Ir	193	1	He	88.04959911	6883032.603

Sample Name	4319218_B70178Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	197SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:59:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	103.758462	5.0	66337.437
Be	9	2	H2	104.616594	4.5	56992.423
B	11	2	H2	108.763915	7.9	64776.250
Na	23	1	He	2220.906934	2.3	3559953.177
Mg	24	1	He	2149.150943	2.5	1908648.307
Al	27	1	He	2118.835241	1.9	1017834.893
Si	28	2	H2	533.893881	5.5	1986678.960
K	39	1	He	2197.887466	2.2	3010395.060
Ca	43	1	He	2156.273518	3.8	8752.680
Ca	44	1	He	2097.613437	2.0	142617.580
Ti	47	1	He	100.451095	3.0	43736.237
V	51	1	He	109.065204	2.1	1121991.377
Cr	52	1	He	109.504893	2.3	1348728.787
Mn	55	1	He	108.785551	1.6	1012751.897
Fe	56	1	He	2195.127527	2.3	24724422.000
Co	59	1	He	110.946093	2.3	2003288.710
Ni	60	1	He	111.319009	1.8	492707.313
Cu	63	1	He	111.622025	0.9	1271623.877
Zn	66	1	He	108.357448	1.4	254566.370
As	75	1	He	104.766062	1.0	201691.103
Se	78	2	H2	103.463329	1.2	97871.960
Sr	88	1	He	101.793228	1.5	1677142.893
Mo	95	1	He	107.904612	1.3	767920.537
Pd	105	1	He	20.666933	0.5	217346.807
Ag	107	1	He	47.586139	2.4	997952.013
Cd	111	1	He	103.254121	0.7	411891.733
Sn	118	1	He	101.551322	0.9	1063749.747
Sb	121	1	He	99.685007	0.7	1362281.807
Ba	138	1	He	105.675404	2.1	3651237.443
Pt	195	1	He	21.012554	1.1	270250.080
Hg	202	1	He	0.018211	63.7	186.673
Tl	205	1	He	109.107717	2.1	5126003.780
Pb	206	1	He	110.300997	2.4	1759885.913
Pb	207	1	He	109.955147	2.5	1465643.470
Pb	208	1	He	109.632730	2.5	6899566.413
Bi	209	1	He	110.309639	1.8	5463077.000
Th	232	1	He	107.499043	1.7	7615442.387
U	238	1	He	102.195378	2.1	7405073.640

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.59580064	881417.437
Sc	45	2	H2	79.99571531	5361450.167
Ge	72	1	He	80.31827096	543868.310
Ge	72	2	H2	80.56619052	1461352.667
In	115	1	He	81.75245111	5959257.833
Tb	159	1	He	85.54884651	13852256.873
Ir	193	1	He	85.01337301	6645684.070

Sample Name	92603486001_B70178Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	198SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:03:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.325406	8.6	272.667
Be	9	2	H2	0.027808	21.4	21.000
B	11	2	H2	11.003491	8.5	9085.767
Na	23	1	He	11499.03577	1.6	18817847.220
Mg	24	1	He	1022.001023	1.1	931265.900
Al	27	1	He	82.310626	0.5	40703.800
Si	28	2	H2	1393.227666	5.1	5354612.667
K	39	1	He	6689.377999	0.8	9159363.820
Ca	43	1	He	3518.156346	0.7	14623.437
Ca	44	1	He	3642.179499	1.0	253523.143
Ti	47	1	He	3.887282	7.5	1736.460
V	51	1	He	0.222280	74.5	841.463
Cr	52	1	He	1.273490	2.8	16539.737
Mn	55	1	He	36.318684	0.8	346851.270
Fe	56	1	He	205.305846	1.7	2381911.667
Co	59	1	He	0.090592	2.6	1733.420
Ni	60	1	He	1.255338	2.1	6321.127
Cu	63	1	He	11.050552	1.2	126897.680
Zn	66	1	He	566.120841	1.7	1337238.873
As	75	1	He	0.091266	8.8	406.003
Se	78	2	H2	0.177023	4.6	188.000
Sr	88	1	He	18.580805	0.9	314789.447
Mo	95	1	He	0.431023	4.0	3106.973
Pd	105	1	He	0.007648	74.4	113.337
Ag	107	1	He	0.612619	6.6	13980.753
Cd	111	1	He	5.580645	1.0	22882.710
Sn	118	1	He	1.266337	0.9	13782.300
Sb	121	1	He	0.122648	1.9	1805.113
Ba	138	1	He	6.358545	0.8	225102.933
Pt	195	1	He	0.003902	57.7	133.337
Hg	202	1	He	0.024097	16.9	230.010
Tl	205	1	He	0.073647	31.4	4228.970
Pb	206	1	He	47.970190	1.3	783792.800
Pb	207	1	He	48.298173	1.2	659734.053
Pb	208	1	He	48.180474	1.5	3105521.413
Bi	209	1	He	2.447424	1.2	125521.143
Th	232	1	He	0.021521	8.3	1605.107
U	238	1	He	0.016319	14.5	1285.063

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.54485609	902732.833
Sc	45	2	H2	82.91219040	5556917.333
Ge	72	1	He	80.80612471	547171.770
Ge	72	2	H2	83.26099673	1510232.503
In	115	1	He	84.02185712	6124683.767
Tb	159	1	He	87.59893865	14184212.290
Ir	193	1	He	86.67692745	6775727.813

Sample Name	4322689_B70178Dx25
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	199SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:06:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.135514	14.3	147.000
Be	9	2	H2	0.016428	22.5	14.667
B	11	2	H2	5.867789	15.5	6051.117
Na	23	1	He	2339.129025	1.5	3866135.463
Mg	24	1	He	208.646660	1.1	193815.153
Al	27	1	He	17.813052	3.4	9035.913
Si	28	2	H2	280.184606	6.8	1087801.393
K	39	1	He	1374.189198	1.4	1982809.607
Ca	43	1	He	701.477306	2.6	2942.843
Ca	44	1	He	743.278619	3.0	52216.097
Ti	47	1	He	1.131396	44.7	510.753
V	51	1	He	0.014180	296.0	-1364.607
Cr	52	1	He	0.262933	3.0	3821.750
Mn	55	1	He	7.259055	1.8	70446.753
Fe	56	1	He	42.461033	1.1	507740.343
Co	59	1	He	0.020662	11.1	466.010
Ni	60	1	He	0.146682	16.2	1400.060
Cu	63	1	He	2.255870	0.2	26282.500
Zn	66	1	He	114.861956	0.6	273166.863
As	75	1	He	0.015957	59.4	261.833
Se	78	2	H2	0.044202	12.8	58.333
Sr	88	1	He	3.703549	0.5	64149.707
Mo	95	1	He	0.101059	7.9	748.357
Pd	105	1	He	0.005627	81.4	93.333
Ag	107	1	He	0.155593	2.1	4215.543
Cd	111	1	He	1.081603	2.0	4525.423
Sn	118	1	He	0.343201	5.9	3920.493
Sb	121	1	He	0.028324	16.3	490.010
Ba	138	1	He	1.283449	0.9	45674.973
Pt	195	1	He	0.002111	59.4	110.000
Hg	202	1	He	0.004967	62.7	103.333
Tl	205	1	He	0.002743	20.8	823.363
Pb	206	1	He	9.610952	1.9	157536.017
Pb	207	1	He	9.689753	0.7	133434.510
Pb	208	1	He	9.540396	0.9	617590.237
Bi	209	1	He	0.482831	5.4	25984.877
Th	232	1	He	0.004840	29.6	401.677
U	238	1	He	0.003551	11.7	343.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.11121494	908926.687
Sc	45	2	H2	83.11841460	5570738.833
Ge	72	1	He	81.30459565	550547.123
Ge	72	2	H2	83.43489868	1513386.830
In	115	1	He	85.68517676	6245929.680
Tb	159	1	He	87.84354430	14223819.373
Ir	193	1	He	87.02933048	6803275.940

Sample Name	4319219_B70178Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	200SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:10:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	20.467076	5.3	13523.343
Be	9	2	H2	20.405778	3.6	11451.983
B	11	2	H2	28.481221	6.7	19333.637
Na	23	1	He	11765.39956	2.0	19291558.047
Mg	24	1	He	1445.598012	2.1	1318624.957
Al	27	1	He	502.839549	1.7	248074.730
Si	28	2	H2	1460.751839	5.7	5580211.000
K	39	1	He	7025.754520	1.4	9633754.233
Ca	43	1	He	3909.215966	1.1	16281.087
Ca	44	1	He	4004.624890	1.2	279301.373
Ti	47	1	He	20.508828	7.9	9164.173
V	51	1	He	21.662821	1.8	227512.287
Cr	52	1	He	22.679303	1.6	287077.427
Mn	55	1	He	57.315266	1.9	547994.833
Fe	56	1	He	634.064420	1.9	7340187.333
Co	59	1	He	22.187183	1.4	404579.220
Ni	60	1	He	23.286412	2.5	104640.960
Cu	63	1	He	33.806002	1.8	389006.563
Zn	66	1	He	581.801374	1.8	1379125.583
As	75	1	He	20.735116	1.7	40486.327
Se	78	2	H2	20.069896	1.2	19426.597
Sr	88	1	He	38.900351	0.5	655809.260
Mo	95	1	He	21.837522	1.6	156924.287
Pd	105	1	He	3.093188	4.6	33302.523
Ag	107	1	He	9.159815	3.5	197167.743
Cd	111	1	He	26.227113	0.5	107033.873
Sn	118	1	He	12.950998	0.6	138916.233
Sb	121	1	He	19.243452	1.0	269111.110
Ba	138	1	He	26.779140	0.9	941726.600
Pt	195	1	He	3.795214	2.8	49736.983
Hg	202	1	He	0.010683	50.0	140.000
Tl	205	1	He	20.673178	0.6	988979.257
Pb	206	1	He	67.816659	0.7	1101222.717
Pb	207	1	He	68.227756	0.1	925881.417
Pb	208	1	He	68.189723	0.9	4367657.223
Bi	209	1	He	24.198726	0.3	1220743.027
Th	232	1	He	5.012840	8.1	362286.257
U	238	1	He	19.828580	0.5	1465872.113

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.71772673	904623.393
Sc	45	2	H2	82.38927780	5521870.833
Ge	72	1	He	81.10265950	549179.730
Ge	72	2	H2	82.38829431	1494402.960
In	115	1	He	83.63677629	6096613.710
Tb	159	1	He	87.05740799	14096526.457
Ir	193	1	He	86.72263581	6779300.937

Sample Name	4319220_B70178Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	201SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:13:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	20.812360	5.9	13767.857
Be	9	2	H2	20.708945	4.1	11636.430
B	11	2	H2	28.411803	9.4	19323.743
Na	23	1	He	11898.51605	0.8	19564614.710
Mg	24	1	He	1472.643795	1.4	1347008.520
Al	27	1	He	511.974888	1.2	253281.227
Si	28	2	H2	1509.776911	6.9	5774206.667
K	39	1	He	7120.685257	1.2	9789414.437
Ca	43	1	He	3970.861577	1.6	16582.993
Ca	44	1	He	4054.401458	1.2	283552.577
Ti	47	1	He	20.986675	1.8	9407.263
V	51	1	He	21.890923	0.4	230567.540
Cr	52	1	He	22.980714	1.3	291694.780
Mn	55	1	He	57.875861	0.7	554904.187
Fe	56	1	He	639.475722	1.4	7423436.667
Co	59	1	He	22.511462	1.5	412409.707
Ni	60	1	He	23.702097	2.8	106990.737
Cu	63	1	He	33.680798	2.1	389373.617
Zn	66	1	He	604.057305	2.3	1438526.040
As	75	1	He	21.138846	2.0	41463.057
Se	78	2	H2	20.178507	1.6	19579.753
Sr	88	1	He	39.140548	1.4	664271.240
Mo	95	1	He	21.922841	2.7	158260.173
Pd	105	1	He	2.509485	2.5	27211.950
Ag	107	1	He	9.838077	2.3	213131.337
Cd	111	1	He	26.497716	0.7	108870.477
Sn	118	1	He	12.914299	1.5	139449.697
Sb	121	1	He	19.264716	1.4	271204.370
Ba	138	1	He	27.456899	1.0	965659.230
Pt	195	1	He	3.791649	1.8	49697.010
Hg	202	1	He	0.014154	53.3	163.340
Tl	205	1	He	21.149894	2.0	1011824.127
Pb	206	1	He	68.927771	1.6	1119329.620
Pb	207	1	He	69.369988	1.3	941412.873
Pb	208	1	He	69.307913	1.2	4439821.623
Bi	209	1	He	24.288663	1.5	1225342.273
Th	232	1	He	5.013609	2.4	362382.393
U	238	1	He	20.068091	1.1	1483438.990

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.94200917	907076.207
Sc	45	2	H2	82.49376135	5528873.500
Ge	72	1	He	81.47862674	551725.560
Ge	72	2	H2	82.59458385	1498144.750
In	115	1	He	84.20050065	6137705.797
Tb	159	1	He	87.06835975	14098299.790
Ir	193	1	He	86.71583463	6778769.273

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	202_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:17:29
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.348566	5.1	50014.237
Be	9	2	H2	75.937808	4.8	42375.837
B	11	2	H2	77.584383	6.0	48025.547
Na	23	1	He	2040.493872	1.4	3331814.533
Mg	24	1	He	1999.629849	1.6	1808576.120
Al	27	1	He	1953.940084	0.7	955810.437
Si	28	2	H2	954.891505	5.8	3631245.833
K	39	1	He	2052.638868	1.2	2870153.397
Ca	43	1	He	1990.066400	1.3	8227.540
Ca	44	1	He	1972.455237	0.4	136566.487
Ti	47	1	He	76.455045	2.1	33899.467
V	51	1	He	80.861992	1.8	846655.410
Cr	52	1	He	81.181331	1.3	1018302.147
Mn	55	1	He	83.289090	1.1	789737.293
Fe	56	1	He	1026.282760	1.8	11778453.333
Co	59	1	He	82.277605	2.0	1521836.873
Ni	60	1	He	82.092392	1.3	372392.107
Cu	63	1	He	83.933878	1.6	979493.127
Zn	66	1	He	80.398129	1.4	193527.423
As	75	1	He	77.821570	1.4	153524.630
Se	78	2	H2	75.818368	0.8	73784.387
Sr	88	1	He	74.665620	1.3	1257482.793
Mo	95	1	He	80.447699	1.4	586469.040
Pd	105	1	He	77.898071	1.0	837275.923
Ag	107	1	He	39.382767	3.3	844204.673
Cd	111	1	He	76.977006	0.9	313867.513
Sn	118	1	He	76.804324	0.6	822394.833
Sb	121	1	He	73.370413	1.0	1024884.073
Ba	138	1	He	79.175630	1.4	2771630.373
Pt	195	1	He	77.492534	1.9	1009476.677
Hg	202	1	He	3.542811	3.6	23340.700
Tl	205	1	He	39.640240	1.3	1887256.640
Pb	206	1	He	79.509444	1.1	1285299.953
Pb	207	1	He	82.921203	0.9	1120045.167
Pb	208	1	He	80.917586	1.2	5159675.597
Bi	209	1	He	83.373363	1.4	4183623.060
Th	232	1	He	78.203907	1.7	5579446.170
U	238	1	He	75.944281	1.9	5542028.670

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.06222261	897454.623
Sc	45	2	H2	81.95940718	5493060.167
Ge	72	1	He	82.27373091	557109.540
Ge	72	2	H2	82.88675867	1503444.373
In	115	1	He	83.56738273	6091555.340
Tb	159	1	He	86.66959055	14033730.207
Ir	193	1	He	85.60973256	6692302.820

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	203_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:21:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.054785	53.2	95.167
Be	9	2	H2	0.025488	44.9	20.167
B	11	2	H2	3.050198	14.2	4450.640
Na	23	1	He	20.233143	1.8	48805.623
Mg	24	1	He	-1.834939		1331.727
Al	27	1	He	0.332546	35.0	382.007
Si	28	2	H2	0.649925	12.0	13301.993
K	39	1	He	17.369218	5.5	136198.673
Ca	43	1	He	1.551035	34.5	15.640
Ca	44	1	He	1.023693	20.3	231.653
Ti	47	1	He	0.007086	225.3	6.000
V	51	1	He	0.007781	268.6	-1447.200
Cr	52	1	He	-0.001029		474.677
Mn	55	1	He	-0.066441		173.333
Fe	56	1	He	0.025311	90.7	15240.447
Co	59	1	He	0.003847	27.7	160.000
Ni	60	1	He	-0.134207		144.667
Cu	63	1	He	0.011120	15.9	404.010
Zn	66	1	He	0.028292	15.6	262.000
As	75	1	He	-0.003194		226.667
Se	78	2	H2	0.008790	94.1	24.333
Sr	88	1	He	0.006393	53.2	313.343
Mo	95	1	He	0.013455	21.5	118.333
Pd	105	1	He	0.012199	30.5	166.667
Ag	107	1	He	0.257115	20.4	6479.623
Cd	111	1	He	0.008033	60.1	36.630
Sn	118	1	He	0.028402	31.5	468.347
Sb	121	1	He	0.007549	47.8	193.333
Ba	138	1	He	0.014530	23.0	666.690
Pt	195	1	He	0.005976	76.1	163.337
Hg	202	1	He	0.016071	19.1	180.003
Tl	205	1	He	0.046716	14.1	2991.980
Pb	206	1	He	0.010042	25.4	255.007
Pb	207	1	He	0.000892	902.2	905.037
Pb	208	1	He	0.006158	47.0	1576.720
Bi	209	1	He	0.005317	35.9	1740.133
Th	232	1	He	0.013453	12.1	1041.727
U	238	1	He	0.005042	15.9	460.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.95172302	918118.710
Sc	45	2	H2	84.52307125	5664881.333
Ge	72	1	He	82.05990705	555661.650
Ge	72	2	H2	85.42399280	1549466.083
In	115	1	He	86.16300038	6280760.123
Tb	159	1	He	89.22613732	14447691.867
Ir	193	1	He	88.28735676	6901618.647

Sample Name	4322412_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	204SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:24:38
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.051065	30.0	93.167
Be	9	2	H2	0.023678	12.6	19.167
B	11	2	H2	3.397542	14.1	4680.683
Na	23	1	He	24.020769	1.5	55223.487
Mg	24	1	He	1.052201	12.5	4007.133
Al	27	1	He	6.371892	1.6	3410.983
Si	28	2	H2	4.282406	22.5	27639.223
K	39	1	He	18.181487	2.9	137621.033
Ca	43	1	He	9.465020	15.0	49.187
Ca	44	1	He	8.453519	13.2	759.187
Ti	47	1	He	0.080385	8.7	39.333
V	51	1	He	0.029936	88.7	-1210.680
Cr	52	1	He	0.421255	3.2	5903.650
Mn	55	1	He	0.150038	4.9	2276.153
Fe	56	1	He	10.590689	1.7	139441.483
Co	59	1	He	0.003920	5.3	161.333
Ni	60	1	He	-0.103714		282.000
Cu	63	1	He	0.080980	12.3	1215.380
Zn	66	1	He	1.102110	5.8	2834.233
As	75	1	He	-0.002763		227.167
Se	78	2	H2	0.009829	90.8	25.000
Sr	88	1	He	0.021000	36.7	573.350
Mo	95	1	He	0.013708	36.9	120.000
Pd	105	1	He	0.003082	71.6	66.667
Ag	107	1	He	0.058195	10.6	2111.817
Cd	111	1	He	0.004806	85.9	23.297
Sn	118	1	He	0.112102	11.4	1408.407
Sb	121	1	He	0.003598	112.7	138.333
Ba	138	1	He	0.067986	2.0	2606.897
Pt	195	1	He	0.016049	19.6	300.010
Hg	202	1	He	0.012910	89.8	160.003
Tl	205	1	He	0.004519	44.3	928.370
Pb	206	1	He	0.011972	20.0	288.340
Pb	207	1	He	0.010010	49.5	1036.713
Pb	208	1	He	0.011548	11.4	1940.073
Bi	209	1	He	0.001963	182.0	1576.783
Th	232	1	He	0.006548	28.0	540.033
U	238	1	He	0.001308	26.9	181.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	84.13532798	920126.663
Sc	45	2	H2	84.86495795	5687795.167
Ge	72	1	He	81.98137152	555129.853
Ge	72	2	H2	84.69380483	1536221.543
In	115	1	He	87.16109951	6353515.497
Tb	159	1	He	89.71819978	14527367.700
Ir	193	1	He	89.44653616	6992234.273

Sample Name	4322413_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	205SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:28:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	103.877692	5.1	66937.597
Be	9	2	H2	104.588313	4.9	57432.040
B	11	2	H2	103.612100	6.3	62284.230
Na	23	1	He	2200.421967	1.3	3563424.737
Mg	24	1	He	2138.739225	1.7	1918884.247
Al	27	1	He	2102.300411	1.1	1020219.147
Si	28	2	H2	523.447405	5.5	1963421.163
K	39	1	He	2214.744983	1.9	3063642.457
Ca	43	1	He	2143.777626	2.3	8791.670
Ca	44	1	He	2123.196924	0.7	145826.100
Ti	47	1	He	99.912743	1.7	43948.030
V	51	1	He	109.081299	1.9	1133652.950
Cr	52	1	He	110.196588	1.3	1371151.040
Mn	55	1	He	108.334400	1.4	1018833.043
Fe	56	1	He	2184.312243	1.3	24854690.000
Co	59	1	He	111.995582	1.6	2037738.080
Ni	60	1	He	111.460433	0.8	497104.690
Cu	63	1	He	111.562273	1.2	1280617.540
Zn	66	1	He	109.074767	1.3	258201.370
As	75	1	He	104.928402	0.9	203542.823
Se	78	2	H2	103.963553	0.3	99203.563
Sr	88	1	He	102.333461	1.6	1701426.640
Mo	95	1	He	107.249515	0.5	769099.417
Pd	105	1	He	20.684065	0.9	219508.827
Ag	107	1	He	46.987232	3.7	994054.853
Cd	111	1	He	102.793977	1.4	413768.043
Sn	118	1	He	101.669811	1.3	1074623.030
Sb	121	1	He	99.069182	1.9	1366043.467
Ba	138	1	He	105.525192	0.8	3677418.070
Pt	195	1	He	20.516907	1.4	266101.677
Hg	202	1	He	0.011303	63.7	143.337
Tl	205	1	He	107.839953	0.3	5109844.197
Pb	206	1	He	109.921405	1.0	1768752.107
Pb	207	1	He	108.716888	1.7	1461387.740
Pb	208	1	He	108.803469	0.8	6905764.793
Bi	209	1	He	110.081684	0.5	5498796.170
Th	232	1	He	107.727605	0.5	7611173.013
U	238	1	He	102.061201	1.1	7375309.263

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	81.41252882	890349.397
Sc	45	2	H2	80.64454730	5404936.000
Ge	72	1	He	80.92793580	547996.603
Ge	72	2	H2	81.27229753	1474160.413
In	115	1	He	82.50574003	6014168.027
Tb	159	1	He	86.27706663	13970171.873
Ir	193	1	He	84.78183027	6627583.860

Sample Name	10607799001_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	206SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:31:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.039856	4.7	2027.110
Be	9	2	H2	0.027976	32.0	20.833
B	11	2	H2	10.978681	18.2	8902.320
Na	23	1	He	5989.750378	1.2	9690141.107
Mg	24	1	He	7011.421541	1.7	6294014.073
Al	27	1	He	6.177040	3.4	3210.950
Si	28	2	H2	6756.420925	5.8	25408456.000
K	39	1	He	539.408623	1.1	829901.397
Ca	43	1	He	48313.50185	1.5	198265.963
Ca	44	1	He	49117.84921	1.6	3375458.923
Ti	47	1	He	0.148451	38.8	68.000
V	51	1	He	0.383651	36.8	2519.050
Cr	52	1	He	3.291781	1.0	41485.160
Mn	55	1	He	0.679207	4.7	7186.120
Fe	56	1	He	9.592979	1.1	123785.007
Co	59	1	He	0.267173	2.4	4830.660
Ni	60	1	He	0.131765	17.0	1295.383
Cu	63	1	He	0.336898	2.8	4038.467
Zn	66	1	He	2.130512	3.1	5106.740
As	75	1	He	0.324883	2.5	838.687
Se	78	2	H2	0.287121	14.3	291.000
Sr	88	1	He	97.979620	0.9	1646626.537
Mo	95	1	He	0.732850	7.7	5149.133
Pd	105	1	He	0.012683	3.7	166.667
Ag	107	1	He	0.219879	16.0	5475.920
Cd	111	1	He	0.007952	17.8	35.123
Sn	118	1	He	0.055198	10.8	740.023
Sb	121	1	He	0.100770	3.2	1486.750
Ba	138	1	He	1.937843	1.2	68086.583
Pt	195	1	He	0.011660	30.6	233.340
Hg	202	1	He	0.004632	117.3	100.000
Tl	205	1	He	0.018959	24.8	1586.767
Pb	206	1	He	0.026014	11.7	506.680
Pb	207	1	He	0.016047	51.3	1085.047
Pb	208	1	He	0.024404	8.2	2698.447
Bi	209	1	He	0.007646	28.4	1810.150
Th	232	1	He	0.023740	2.9	1725.113
U	238	1	He	0.570637	0.4	41282.687

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	81.54629808	891812.333
Sc	45	2	H2	81.19942466	5442124.833
Ge	72	1	He	78.99374466	534899.393
Ge	72	2	H2	81.88618632	1485295.457
In	115	1	He	83.39034495	6078650.360
Tb	159	1	He	86.81223365	14056827.290
Ir	193	1	He	84.71139284	6622077.610

Sample Name	4323800_B70202Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	207SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:35:21
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.646933	4.5	495.010
Be	9	2	H2	0.024944	52.5	20.000
B	11	2	H2	4.434090	8.0	5290.847
Na	23	1	He	1263.690090	3.6	2068078.353
Mg	24	1	He	1470.253172	3.1	1330127.763
Al	27	1	He	2.513881	6.8	1439.727
Si	28	2	H2	1366.856599	5.2	5360385.333
K	39	1	He	127.181715	5.6	280692.280
Ca	43	1	He	9935.010229	4.0	41013.390
Ca	44	1	He	10244.94744	4.1	708237.693
Ti	47	1	He	0.047778	14.8	24.000
V	51	1	He	0.003217	5199.0	-1412.757
Cr	52	1	He	0.681978	3.3	9027.600
Mn	55	1	He	0.101016	4.4	1755.427
Fe	56	1	He	2.246619	6.3	40336.793
Co	59	1	He	0.058823	0.4	1150.707
Ni	60	1	He	-0.082632		370.007
Cu	63	1	He	0.090538	7.7	1299.383
Zn	66	1	He	0.527696	5.4	1428.727
As	75	1	He	0.070922	21.7	364.167
Se	78	2	H2	0.060720	14.1	76.333
Sr	88	1	He	19.593794	3.2	334518.603
Mo	95	1	He	0.149665	11.3	1088.377
Pd	105	1	He	0.007651	88.6	113.333
Ag	107	1	He	0.051701	15.6	1910.127
Cd	111	1	He	0.003283	111.2	16.337
Sn	118	1	He	0.100860	14.3	1243.400
Sb	121	1	He	0.024695	25.3	433.343
Ba	138	1	He	0.401930	4.1	14191.053
Pt	195	1	He	0.002228	87.2	110.000
Hg	202	1	He	0.006850	78.6	113.333
Tl	205	1	He	-0.001901		591.687
Pb	206	1	He	0.007040	24.5	198.333
Pb	207	1	He	-0.007226		768.363
Pb	208	1	He	0.004365	46.0	1415.043
Bi	209	1	He	0.000784	790.2	1453.437
Th	232	1	He	0.015142	100.7	1095.443
U	238	1	He	0.113190	5.4	8315.620

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.10384832	897909.853
Sc	45	2	H2	84.59300132	5669568.167
Ge	72	1	He	80.40133189	544430.750
Ge	72	2	H2	85.41269089	1549261.083
In	115	1	He	84.74263895	6177224.390
Tb	159	1	He	86.67072535	14033913.957
Ir	193	1	He	85.44817952	6679673.860

Sample Name	4322414_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	208SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:38:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	117.802539	23.1	65738.363
Be	9	2	H2	117.220389	22.3	55799.887
B	11	2	H2	124.319960	25.7	64110.527
Na	23	1	He	8065.328981	1.4	12938152.307
Mg	24	1	He	9029.312120	1.1	8040043.837
Al	27	1	He	2111.938482	0.7	1018352.373
Si	28	2	H2	8203.717428	25.0	26462750.667
K	39	1	He	2720.784287	1.0	3714885.880
Ca	43	1	He	50400.34588	0.9	205178.953
Ca	44	1	He	50886.39143	0.8	3469053.593
Ti	47	1	He	101.815335	1.0	44500.043
V	51	1	He	111.560072	0.3	1152017.750
Cr	52	1	He	113.883829	0.9	1407931.873
Mn	55	1	He	109.305259	1.2	1021363.730
Fe	56	1	He	2189.218707	1.6	24750332.667
Co	59	1	He	110.942498	1.5	1993041.417
Ni	60	1	He	109.710643	0.9	483125.887
Cu	63	1	He	109.220136	1.0	1237875.293
Zn	66	1	He	108.235256	0.7	252979.190
As	75	1	He	107.852691	0.6	206565.120
Se	78	2	H2	116.777926	22.4	96770.383
Sr	88	1	He	201.224617	1.1	3274427.140
Mo	95	1	He	111.277013	0.8	787879.443
Pd	105	1	He	20.552944	0.9	213493.977
Ag	107	1	He	47.299695	3.4	979607.303
Cd	111	1	He	102.943785	1.2	405583.693
Sn	118	1	He	105.212799	1.6	1088437.590
Sb	121	1	He	102.622356	1.7	1385088.573
Ba	138	1	He	108.302535	1.4	3727622.337
Pt	195	1	He	20.736072	2.9	265625.793
Hg	202	1	He	0.017290	48.9	180.003
Tl	205	1	He	108.859415	1.0	5094859.923
Pb	206	1	He	108.350358	1.3	1722120.857
Pb	207	1	He	107.162951	1.2	1422959.717
Pb	208	1	He	107.508666	0.7	6740260.937
Bi	209	1	He	108.942239	0.7	5374870.543
Th	232	1	He	109.632977	1.2	7633612.803
U	238	1	He	104.832208	1.2	7465887.180

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.89124933	884648.543
Sc	45	2	H2	71.95628879	4822634.000
Ge	72	1	He	79.90605429	541077.020
Ge	72	2	H2	72.61445149	1317119.770
In	115	1	He	80.74821799	5886055.330
Tb	159	1	He	85.22356170	13799586.043
Ir	193	1	He	83.55256527	6531489.487

Sample Name	4322415_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	209SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:42:29
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	102.391811	5.6	65041.270
Be	9	2	H2	101.787591	4.0	55084.707
B	11	2	H2	110.835468	6.2	65491.700
Na	23	1	He	8003.839227	0.6	12850731.893
Mg	24	1	He	8895.196618	1.0	7927241.130
Al	27	1	He	2080.182992	0.7	1003865.290
Si	28	2	H2	7177.547809	6.7	26413955.333
K	39	1	He	2683.612661	1.2	3668734.320
Ca	43	1	He	49977.68570	0.5	203627.057
Ca	44	1	He	50074.55043	0.6	3416596.753
Ti	47	1	He	101.549157	0.5	44419.877
V	51	1	He	109.537424	1.0	1132026.187
Cr	52	1	He	111.746204	1.1	1382693.913
Mn	55	1	He	108.152326	0.2	1011456.817
Fe	56	1	He	2151.438580	1.4	24344702.000
Co	59	1	He	108.285592	1.9	1960242.750
Ni	60	1	He	107.692858	1.2	477885.780
Cu	63	1	He	107.435701	0.9	1226998.917
Zn	66	1	He	108.215336	1.1	254869.840
As	75	1	He	105.256383	0.9	203141.857
Se	78	2	H2	102.703342	0.5	96106.960
Sr	88	1	He	199.548863	1.3	3247413.493
Mo	95	1	He	108.966155	1.2	777433.453
Pd	105	1	He	20.400117	0.9	211923.357
Ag	107	1	He	47.148154	1.4	976654.153
Cd	111	1	He	101.958093	1.0	401740.853
Sn	118	1	He	102.039482	1.5	1055743.450
Sb	121	1	He	101.166925	1.4	1365591.073
Ba	138	1	He	107.160888	1.3	3688222.757
Pt	195	1	He	20.377296	0.4	261060.990
Hg	202	1	He	0.013179	35.5	153.337
Tl	205	1	He	107.512274	1.4	5031481.593
Pb	206	1	He	107.119238	1.3	1702495.547
Pb	207	1	He	105.962754	0.4	1407002.060
Pb	208	1	He	106.209753	0.6	6658379.740
Bi	209	1	He	108.959039	1.4	5375220.963
Th	232	1	He	108.045938	1.1	7569727.597
U	238	1	He	103.250332	1.2	7399076.350

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.95630411	885360.000
Sc	45	2	H2	79.46970919	5326196.333
Ge	72	1	He	80.51674943	545212.290
Ge	72	2	H2	79.69997981	1445640.873
In	115	1	He	80.75303348	5886406.350
Tb	159	1	He	85.21230629	13797763.543
Ir	193	1	He	84.06837085	6571811.153

Sample Name	10607799001_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	210SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:46:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.228119	10.6	207.167
Be	9	2	H2	0.037956	12.1	26.667
B	11	2	H2	3.374911	20.0	4543.970
Na	23	1	He	315.088404	0.7	534705.380
Mg	24	1	He	354.153213	0.9	327460.130
Al	27	1	He	1.651973	1.2	1033.363
Si	28	2	H2	345.020091	6.5	1329246.127
K	39	1	He	42.952998	4.2	169981.710
Ca	43	1	He	2434.161576	1.7	10207.797
Ca	44	1	He	2507.803529	0.4	176119.153
Ti	47	1	He	0.014591	126.8	9.333
V	51	1	He	-0.078113		-2349.033
Cr	52	1	He	0.194457	1.0	2957.583
Mn	55	1	He	-0.017239		644.680
Fe	56	1	He	1.093217	3.3	27534.917
Co	59	1	He	0.018414	15.2	428.010
Ni	60	1	He	-0.121843		200.000
Cu	63	1	He	0.041826	14.5	760.020
Zn	66	1	He	0.099000	26.2	430.677
As	75	1	He	0.014107	56.5	260.167
Se	78	2	H2	0.027272	24.4	42.000
Sr	88	1	He	4.792350	2.0	83450.310
Mo	95	1	He	0.053688	9.4	410.010
Pd	105	1	He	0.004353	53.7	80.000
Ag	107	1	He	0.216986	19.1	5600.977
Cd	111	1	He	0.007989	74.4	36.547
Sn	118	1	He	0.116354	1.1	1440.077
Sb	121	1	He	0.016098	10.1	316.677
Ba	138	1	He	0.107849	2.5	3980.500
Pt	195	1	He	0.004599	61.6	143.333
Hg	202	1	He	-0.002061		56.667
Tl	205	1	He	0.020481	17.6	1685.110
Pb	206	1	He	0.007300	17.7	206.670
Pb	207	1	He	0.009704	95.7	1015.037
Pb	208	1	He	0.008617	23.1	1716.717
Bi	209	1	He	0.006630	59.4	1786.803
Th	232	1	He	0.020539	3.1	1545.090
U	238	1	He	0.034590	7.3	2655.247

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.25693403	910520.310
Sc	45	2	H2	82.61079804	5536717.500
Ge	72	1	He	81.89692978	554558.063
Ge	72	2	H2	83.97097211	1523110.417
In	115	1	He	86.19733785	6283263.117
Tb	159	1	He	88.14445271	14272543.123
Ir	193	1	He	87.30758896	6825028.023

Sample Name	4323800_B70202Dx100
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	211SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:49:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.082368	21.6	112.333
Be	9	2	H2	0.024664	12.7	19.333
B	11	2	H2	2.136023	40.4	3847.143
Na	23	1	He	77.728882	1.1	143030.003
Mg	24	1	He	73.552842	0.6	70289.087
Al	27	1	He	1.520412	2.1	966.697
Si	28	2	H2	70.102553	5.0	280800.030
K	39	1	He	22.861424	5.6	142368.363
Ca	43	1	He	499.718278	2.0	2099.733
Ca	44	1	He	512.082559	1.6	36036.290
Ti	47	1	He	0.017633	77.8	10.667
V	51	1	He	0.007366	563.3	-1438.270
Cr	52	1	He	0.060429	9.2	1250.713
Mn	55	1	He	-0.055979		272.000
Fe	56	1	He	0.459050	0.9	20131.873
Co	59	1	He	0.002396	15.1	132.667
Ni	60	1	He	-0.130928		158.667
Cu	63	1	He	0.028700	11.0	605.343
Zn	66	1	He	0.020492	44.1	242.000
As	75	1	He	-0.009728		212.667
Se	78	2	H2	0.007007	105.0	22.000
Sr	88	1	He	0.968250	1.8	16969.940
Mo	95	1	He	0.016538	36.6	140.000
Pd	105	1	He	0.001976	140.0	53.333
Ag	107	1	He	0.061674	15.0	2158.483
Cd	111	1	He	0.002501	100.6	13.290
Sn	118	1	He	0.111624	4.7	1383.407
Sb	121	1	He	0.006993	51.5	185.000
Ba	138	1	He	0.028276	8.7	1151.717
Pt	195	1	He	0.003576	66.1	130.003
Hg	202	1	He	0.002346	235.8	86.667
Tl	205	1	He	-0.003664		518.343
Pb	206	1	He	0.005933	8.3	185.000
Pb	207	1	He	0.004841	13.3	951.707
Pb	208	1	He	0.005210	29.0	1501.713
Bi	209	1	He	-0.000266		1440.097
Th	232	1	He	0.007196	20.3	581.683
U	238	1	He	0.007405	11.4	638.357

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.14245655	909268.353
Sc	45	2	H2	83.29896304	5582839.500
Ge	72	1	He	81.62285165	552702.167
Ge	72	2	H2	83.94178710	1522581.043
In	115	1	He	85.94141907	6264608.190
Tb	159	1	He	88.48611885	14327866.453
Ir	193	1	He	88.30416260	6902932.397

Sample Name	10607799002_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	212SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:53:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.609398	2.7	1094.700
Be	9	2	H2	0.032002	10.7	22.833
B	11	2	H2	7.270613	5.4	6701.343
Na	23	1	He	6246.145578	2.2	10024779.013
Mg	24	1	He	6265.494631	1.4	5580805.543
Al	27	1	He	52.903410	1.2	25715.410
Si	28	2	H2	3423.566432	6.1	12828321.000
K	39	1	He	670.360977	1.1	996994.620
Ca	43	1	He	22562.89622	1.4	91870.963
Ca	44	1	He	23088.08244	1.7	1574281.347
Ti	47	1	He	0.992798	19.1	436.677
V	51	1	He	0.954997	10.2	8398.477
Cr	52	1	He	0.844375	3.7	10906.637
Mn	55	1	He	1.068180	2.3	10762.553
Fe	56	1	He	42.454181	1.2	494177.563
Co	59	1	He	0.134624	1.2	2484.847
Ni	60	1	He	1.121242	1.7	5614.893
Cu	63	1	He	1.033157	2.0	11876.617
Zn	66	1	He	3.641255	2.8	8622.093
As	75	1	He	0.597858	3.5	1359.387
Se	78	2	H2	15.157979	0.8	14580.313
Sr	88	1	He	82.539755	2.5	1385594.823
Mo	95	1	He	2.152161	3.2	15133.313
Pd	105	1	He	0.014871	49.4	190.007
Ag	107	1	He	0.041482	10.9	1661.767
Cd	111	1	He	0.039646	17.6	163.793
Sn	118	1	He	0.131680	3.8	1555.087
Sb	121	1	He	0.185640	4.9	2666.903
Ba	138	1	He	22.565368	0.4	791466.423
Pt	195	1	He	0.007586	71.1	180.003
Hg	202	1	He	0.001108	692.5	76.667
Tl	205	1	He	0.005529	16.1	946.703
Pb	206	1	He	0.056591	6.4	1001.707
Pb	207	1	He	0.041792	8.3	1433.413
Pb	208	1	He	0.048849	2.1	4260.247
Bi	209	1	He	0.005853	77.0	1720.133
Th	232	1	He	0.018820	11.0	1388.413
U	238	1	He	0.956552	1.2	69662.663

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.90386606	884786.523
Sc	45	2	H2	80.89981779	5422044.667
Ge	72	1	He	79.25602073	536675.373
Ge	72	2	H2	81.85082679	1484654.087
In	115	1	He	83.29236703	6071508.363
Tb	159	1	He	86.82438455	14058794.790
Ir	193	1	He	85.33959184	6671185.320

Sample Name	10607799002_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	213SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:56:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.117735	12.1	133.833
Be	9	2	H2	0.016650	29.6	14.667
B	11	2	H2	1.640056	29.9	3497.077
Na	23	1	He	313.831010	1.9	526323.780
Mg	24	1	He	301.576186	2.1	275983.023
Al	27	1	He	3.731548	2.1	2040.783
Si	28	2	H2	164.764319	6.0	636584.960
K	39	1	He	49.649791	4.8	177000.760
Ca	43	1	He	1083.644134	3.0	4495.540
Ca	44	1	He	1116.041215	1.3	77540.193
Ti	47	1	He	0.065817	31.1	32.000
V	51	1	He	0.042799	26.7	-1049.847
Cr	52	1	He	0.085032	12.3	1546.737
Mn	55	1	He	-0.008635		718.687
Fe	56	1	He	2.274249	0.9	40783.127
Co	59	1	He	0.004767	8.7	174.000
Ni	60	1	He	-0.070980		422.677
Cu	63	1	He	0.052791	4.7	873.357
Zn	66	1	He	0.168546	8.4	588.010
As	75	1	He	0.017243	19.9	262.167
Se	78	2	H2	0.728011	3.7	727.020
Sr	88	1	He	3.937267	1.8	68118.017
Mo	95	1	He	0.108703	5.2	796.693
Pd	105	1	He	0.001687	1.4	50.000
Ag	107	1	He	0.029804	3.2	1451.743
Cd	111	1	He	0.002063	146.3	11.427
Sn	118	1	He	0.104815	14.8	1303.397
Sb	121	1	He	0.010434	49.3	233.337
Ba	138	1	He	1.077881	0.2	38642.453
Pt	195	1	He	0.002064	110.4	110.000
Hg	202	1	He	0.004874	124.8	103.333
Tl	205	1	He	-0.009385		240.000
Pb	206	1	He	0.002305	47.1	125.000
Pb	207	1	He	-0.005031		815.033
Pb	208	1	He	0.001079	93.4	1231.710
Bi	209	1	He	-0.000505		1426.757
Th	232	1	He	0.005195	28.8	426.707
U	238	1	He	0.043576	6.8	3307.050

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.27584877	899790.897
Sc	45	2	H2	82.15705705	5506307.000
Ge	72	1	He	80.62902632	545972.563
Ge	72	2	H2	83.29047338	1510767.167
In	115	1	He	85.59908707	6239654.263
Tb	159	1	He	88.43606139	14319761.040
Ir	193	1	He	86.89593906	6792848.437

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	214_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:00:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.646842	5.3	47140.407
Be	9	2	H2	76.479795	4.9	40068.960
B	11	2	H2	76.687673	9.0	44614.030
Na	23	1	He	2029.636269	0.8	3129496.620
Mg	24	1	He	2010.314843	1.5	1716956.693
Al	27	1	He	1954.208478	0.8	902656.917
Si	28	2	H2	949.958423	6.4	3392006.417
K	39	1	He	2055.706327	1.0	2714131.940
Ca	43	1	He	1985.167117	1.3	7749.380
Ca	44	1	He	1996.456084	0.5	130521.613
Ti	47	1	He	75.517753	0.9	31618.000
V	51	1	He	80.107710	1.0	791978.027
Cr	52	1	He	81.267004	0.7	962581.060
Mn	55	1	He	82.613331	1.2	739695.460
Fe	56	1	He	1025.383821	1.6	11112943.000
Co	59	1	He	82.291382	1.5	1432279.210
Ni	60	1	He	82.275853	1.5	351188.500
Cu	63	1	He	83.989521	0.5	922289.897
Zn	66	1	He	80.610428	1.4	182581.030
As	75	1	He	78.510640	1.1	145736.167
Se	78	2	H2	76.331906	0.9	69619.460
Sr	88	1	He	74.023276	1.2	1187828.470
Mo	95	1	He	80.893820	0.9	554898.503
Pd	105	1	He	77.251952	1.3	791129.700
Ag	107	1	He	38.789223	3.5	792337.643
Cd	111	1	He	76.941994	0.6	298913.877
Sn	118	1	He	76.233000	1.2	777707.227
Sb	121	1	He	73.831228	0.7	982642.797
Ba	138	1	He	78.333885	2.0	2623073.713
Pt	195	1	He	77.078120	1.0	960573.997
Hg	202	1	He	3.598100	0.7	22679.760
Tl	205	1	He	39.936787	2.1	1818761.120
Pb	206	1	He	78.840563	1.9	1219134.590
Pb	207	1	He	82.520865	0.9	1066279.777
Pb	208	1	He	80.850204	1.5	4931572.037
Bi	209	1	He	83.469710	2.6	4006501.503
Th	232	1	He	79.210494	2.5	5395497.420
U	238	1	He	76.031524	2.2	5297160.443

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.48623007	847410.333
Sc	45	2	H2	76.93310352	5156188.667
Ge	72	1	He	77.41051024	524178.657
Ge	72	2	H2	77.67625206	1408933.417
In	115	1	He	79.61855176	5803709.513
Tb	159	1	He	82.91165918	13425237.717
Ir	193	1	He	81.73725978	6389583.027

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	215_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:03:54
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.069542	22.5	96.000
Be	9	2	H2	0.029931	39.5	20.667
B	11	2	H2	1.772686	17.5	3353.713
Na	23	1	He	15.196627	2.6	37290.690
Mg	24	1	He	-2.099016		1003.373
Al	27	1	He	0.305946	28.0	340.000
Si	28	2	H2	0.163939	158.1	10408.047
K	39	1	He	23.470036	3.0	133371.800
Ca	43	1	He	0.613395	171.2	10.780
Ca	44	1	He	1.432342	31.5	240.390
Ti	47	1	He	0.009769	27.5	6.667
V	51	1	He	0.019980	247.3	-1212.330
Cr	52	1	He	0.000265	874.6	453.343
Mn	55	1	He	-0.065229		170.667
Fe	56	1	He	0.112229	34.7	14997.783
Co	59	1	He	0.002038	86.1	118.667
Ni	60	1	He	-0.142109		102.000
Cu	63	1	He	0.009939	29.2	365.337
Zn	66	1	He	0.005720	332.3	194.667
As	75	1	He	-0.000282		217.500
Se	78	2	H2	0.016198	42.3	29.000
Sr	88	1	He	0.006154	73.6	288.337
Mo	95	1	He	0.009662	7.5	85.000
Pd	105	1	He	0.003278	68.6	63.333
Ag	107	1	He	0.265741	6.9	6219.500
Cd	111	1	He	0.003986	36.5	18.307
Sn	118	1	He	0.037265	27.9	528.347
Sb	121	1	He	0.006408	15.7	165.000
Ba	138	1	He	0.013774	24.7	585.017
Pt	195	1	He	0.005189	41.8	140.000
Hg	202	1	He	0.027675	13.6	236.677
Tl	205	1	He	0.043924	25.8	2613.587
Pb	206	1	He	0.005122	30.1	158.333
Pb	207	1	He	-0.001858		793.363
Pb	208	1	He	0.004418	63.7	1338.373
Bi	209	1	He	0.002082	210.4	1440.107
Th	232	1	He	0.013110	15.9	941.707
U	238	1	He	0.004538	7.8	391.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.43716763	846873.773
Sc	45	2	H2	77.06693079	5165158.000
Ge	72	1	He	76.81878700	520171.853
Ge	72	2	H2	78.37214379	1421555.873
In	115	1	He	80.32989453	5855562.087
Tb	159	1	He	81.68515447	13226639.383
Ir	193	1	He	81.86879896	6399865.737

Sample Name	10607799003_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	216SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:07:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	7.527115	6.0	4706.087
Be	9	2	H2	0.027527	23.3	19.500
B	11	2	H2	16.121013	4.3	11303.703
Na	23	1	He	6832.863244	6.4	10061852.767
Mg	24	1	He	12860.44222	6.1	10509125.467
Al	27	1	He	6.642351	4.6	3131.613
Si	28	2	H2	8751.630275	6.1	31365394.667
K	39	1	He	923.156412	6.3	1222606.807
Ca	43	1	He	50490.71844	6.5	188619.993
Ca	44	1	He	51093.86710	7.0	3196189.950
Ti	47	1	He	0.129898	31.0	55.333
V	51	1	He	0.197126	39.5	489.610
Cr	52	1	He	1.398181	6.0	16293.320
Mn	55	1	He	1.014884	7.4	9417.137
Fe	56	1	He	5.810878	7.8	73479.267
Co	59	1	He	0.192183	4.1	3232.970
Ni	60	1	He	1.218200	7.5	5556.210
Cu	63	1	He	1.247536	5.1	13152.827
Zn	66	1	He	2.536395	5.4	5581.553
As	75	1	He	0.176619	26.1	513.677
Se	78	2	H2	0.153661	4.8	154.000
Sr	88	1	He	216.377690	5.1	3359967.553
Mo	95	1	He	0.705731	4.2	4583.983
Pd	105	1	He	0.030925	19.8	336.677
Ag	107	1	He	0.073306	9.9	2168.490
Cd	111	1	He	0.010406	22.2	41.960
Sn	118	1	He	0.045693	25.8	590.013
Sb	121	1	He	0.084110	3.7	1160.050
Ba	138	1	He	6.662745	5.7	216778.053
Pt	195	1	He	0.006008	114.8	150.003
Hg	202	1	He	0.017736	11.9	173.340
Tl	205	1	He	0.009934	19.8	1071.713
Pb	206	1	He	0.034496	10.9	596.683
Pb	207	1	He	0.025562	18.7	1128.383
Pb	208	1	He	0.032615	12.0	2986.793
Bi	209	1	He	0.007944	46.4	1700.130
Th	232	1	He	0.012940	13.7	890.037
U	238	1	He	0.813380	5.5	54473.003

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.41727176	813847.377
Sc	45	2	H2	77.38171930	5186255.667
Ge	72	1	He	73.09555905	494960.333
Ge	72	2	H2	77.59547798	1407468.293
In	115	1	He	77.17905588	5625885.060
Tb	159	1	He	80.65503270	13059839.807
Ir	193	1	He	78.59686466	6144091.370

Sample Name	10607799003_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	217SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:11:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.407247	11.9	309.667
Be	9	2	H2	0.012578	25.6	11.833
B	11	2	H2	2.033502	28.7	3560.397
Na	23	1	He	336.895342	0.3	542152.177
Mg	24	1	He	616.500978	0.8	539456.500
Al	27	1	He	1.581994	3.5	948.697
Si	28	2	H2	448.323923	7.0	1639281.003
K	39	1	He	64.079923	1.1	188870.143
Ca	43	1	He	2427.943389	1.3	9672.790
Ca	44	1	He	2478.215508	1.2	165357.650
Ti	47	1	He	0.018811	15.0	10.667
V	51	1	He	0.015008	637.3	-1283.030
Cr	52	1	He	0.092203	6.9	1574.077
Mn	55	1	He	-0.007365		702.687
Fe	56	1	He	0.775199	2.4	22644.857
Co	59	1	He	0.008094	12.9	226.000
Ni	60	1	He	-0.076718		382.677
Cu	63	1	He	0.066622	9.7	994.700
Zn	66	1	He	0.124784	3.6	467.343
As	75	1	He	0.000038	7647.2	220.667
Se	78	2	H2	0.005201	8.6	19.333
Sr	88	1	He	10.145405	0.9	167295.573
Mo	95	1	He	0.027183	20.4	206.667
Pd	105	1	He	0.003793	89.6	70.000
Ag	107	1	He	0.077517	9.4	2385.193
Cd	111	1	He	0.000563	224.2	4.940
Sn	118	1	He	0.105319	7.8	1250.060
Sb	121	1	He	0.007178	31.7	178.333
Ba	138	1	He	0.319115	1.8	10945.293
Pt	195	1	He	0.003052	85.6	116.667
Hg	202	1	He	0.004645	50.3	96.667
Tl	205	1	He	-0.003833		483.347
Pb	206	1	He	0.002727	72.5	125.000
Pb	207	1	He	-0.004387		781.693
Pb	208	1	He	0.001890	61.5	1218.370
Bi	209	1	He	-0.001877		1286.747
Th	232	1	He	0.002994	33.2	256.673
U	238	1	He	0.037642	0.6	2753.607

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	79.09555207	865010.313
Sc	45	2	H2	78.58413305	5266843.500
Ge	72	1	He	77.71819435	526262.113
Ge	72	2	H2	80.01560416	1451365.837
In	115	1	He	81.73337367	5957867.203
Tb	159	1	He	83.88196060	13582351.050
Ir	193	1	He	83.43552135	6522339.903

Sample Name	10607799004_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	218SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:14:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.287839	6.2	3318.127
Be	9	2	H2	0.032938	47.7	22.500
B	11	2	H2	13.374382	8.7	9782.767
Na	23	1	He	5933.958477	1.3	9037212.573
Mg	24	1	He	14328.21950	1.4	12105527.737
Al	27	1	He	4.380840	3.0	2201.137
Si	28	2	H2	5759.766220	7.1	20618363.333
K	39	1	He	739.918532	1.0	1033468.840
Ca	43	1	He	65294.15665	1.5	252242.730
Ca	44	1	He	66035.45287	1.9	4272083.513
Ti	47	1	He	0.093503	7.8	41.333
V	51	1	He	0.166199	66.6	231.417
Cr	52	1	He	1.723517	0.8	20659.757
Mn	55	1	He	0.260459	1.5	3054.937
Fe	56	1	He	10.648614	0.7	127844.353
Co	59	1	He	0.180034	1.3	3120.953
Ni	60	1	He	-0.010373		644.013
Cu	63	1	He	0.168437	7.9	2044.790
Zn	66	1	He	1.401385	2.6	3253.640
As	75	1	He	0.231043	5.4	628.510
Se	78	2	H2	0.479564	2.3	450.677
Sr	88	1	He	135.130126	1.6	2157198.043
Mo	95	1	He	0.285219	11.1	1916.790
Pd	105	1	He	0.015169	33.1	183.337
Ag	107	1	He	0.021947	14.7	1183.387
Cd	111	1	He	0.017732	17.8	71.093
Sn	118	1	He	0.040146	1.0	550.013
Sb	121	1	He	0.119903	3.4	1665.100
Ba	138	1	He	21.306671	1.1	709870.223
Pt	195	1	He	0.010199	44.1	203.340
Hg	202	1	He	0.016637	16.1	170.007
Tl	205	1	He	0.001391	100.2	711.690
Pb	206	1	He	0.035688	6.1	630.020
Pb	207	1	He	0.023247	30.0	1123.383
Pb	208	1	He	0.032094	7.6	3030.133
Bi	209	1	He	0.011418	32.6	1900.150
Th	232	1	He	0.008063	11.7	591.680
U	238	1	He	0.832863	1.3	57597.313

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.76043050	839472.793
Sc	45	2	H2	77.26968845	5178747.167
Ge	72	1	He	75.09021120	508466.950
Ge	72	2	H2	77.57885573	1407166.790
In	115	1	He	79.21259855	5774117.987
Tb	159	1	He	82.47081731	13353855.633
Ir	193	1	He	81.02106605	6333596.573

Sample Name	10607799004_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	219SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:18:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.307248	14.4	244.833
Be	9	2	H2	0.014601	34.6	12.833
B	11	2	H2	1.857845	49.1	3433.730
Na	23	1	He	309.432029	1.3	495593.613
Mg	24	1	He	713.452425	1.7	619451.750
Al	27	1	He	1.418268	2.2	865.353
Si	28	2	H2	293.825346	6.2	1068910.040
K	39	1	He	56.206230	4.5	177402.237
Ca	43	1	He	3233.369984	1.8	12788.140
Ca	44	1	He	3321.390621	1.5	219998.857
Ti	47	1	He	0.003257	143.0	4.000
V	51	1	He	-0.012156		-1554.877
Cr	52	1	He	0.109214	5.9	1766.760
Mn	55	1	He	-0.044229		363.340
Fe	56	1	He	0.924385	2.6	24122.070
Co	59	1	He	0.007321	19.4	211.333
Ni	60	1	He	-0.130677		151.333
Cu	63	1	He	0.024976	16.0	532.677
Zn	66	1	He	0.080681	6.7	365.340
As	75	1	He	0.000024	50208.	219.500
Se	78	2	H2	0.021679	23.8	34.333
Sr	88	1	He	6.536060	1.5	107588.223
Mo	95	1	He	0.012259	25.0	103.333
Pd	105	1	He	0.005097	57.6	83.333
Ag	107	1	He	0.030007	15.5	1386.733
Cd	111	1	He	0.001402	185.6	8.303
Sn	118	1	He	0.102580	3.1	1218.390
Sb	121	1	He	0.007565	29.0	183.333
Ba	138	1	He	1.072470	1.4	36243.863
Pt	195	1	He	0.003096	14.4	116.667
Hg	202	1	He	0.013722	92.7	153.337
Tl	205	1	He	-0.008430		270.003
Pb	206	1	He	0.003626	59.4	138.333
Pb	207	1	He	-0.007077		741.690
Pb	208	1	He	0.001580	226.1	1191.697
Bi	209	1	He	-0.001301		1306.750
Th	232	1	He	0.002348	37.4	210.003
U	238	1	He	0.040311	6.6	2915.297

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	78.54080931	858943.497
Sc	45	2	H2	77.93847168	5223570.167
Ge	72	1	He	77.32697575	523613.010
Ge	72	2	H2	79.07939716	1434384.413
In	115	1	He	81.53734236	5943577.710
Tb	159	1	He	83.36287898	13498300.217
Ir	193	1	He	82.64039924	6460183.443

Sample Name	10607799005_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	220SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:21:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.164073	4.9	1996.440
Be	9	2	H2	0.015309	68.0	12.833
B	11	2	H2	11.654819	2.5	8775.563
Na	23	1	He	6480.110249	2.2	9826160.270
Mg	24	1	He	6714.305852	2.2	5650254.290
Al	27	1	He	21.666715	2.5	10066.767
Si	28	2	H2	6217.424820	6.0	22143469.333
K	39	1	He	510.395063	1.8	741617.747
Ca	43	1	He	37332.67249	1.7	143619.283
Ca	44	1	He	37905.95249	2.5	2441972.610
Ti	47	1	He	0.334502	7.6	140.667
V	51	1	He	0.185284	71.3	418.703
Cr	52	1	He	1.296659	1.5	15588.037
Mn	55	1	He	4.363118	1.9	39241.680
Fe	56	1	He	26.747062	2.0	299196.053
Co	59	1	He	0.248253	4.2	4290.523
Ni	60	1	He	1.276311	4.8	5985.683
Cu	63	1	He	3.223827	1.0	34728.740
Zn	66	1	He	4.487522	0.3	10070.183
As	75	1	He	0.618376	4.8	1330.550
Se	78	2	H2	0.419680	5.9	394.003
Sr	88	1	He	57.685691	0.9	923861.083
Mo	95	1	He	0.895046	5.1	5999.430
Pd	105	1	He	0.009535	31.0	126.667
Ag	107	1	He	0.004980	125.2	841.697
Cd	111	1	He	0.006606	52.7	28.200
Sn	118	1	He	0.130843	8.7	1475.077
Sb	121	1	He	0.110845	6.0	1550.083
Ba	138	1	He	30.104039	0.6	1009624.857
Pt	195	1	He	0.008202	48.3	180.007
Hg	202	1	He	0.016460	53.6	170.003
Tl	205	1	He	-0.004158		463.347
Pb	206	1	He	0.138529	2.7	2226.840
Pb	207	1	He	0.118329	4.2	2360.197
Pb	208	1	He	0.127873	4.0	8899.330
Bi	209	1	He	0.001731	312.5	1446.760
Th	232	1	He	0.019996	8.3	1408.413
U	238	1	He	0.294670	2.1	20582.003

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.44304959	836001.830
Sc	45	2	H2	76.89089581	5153359.833
Ge	72	1	He	75.41173240	510644.103
Ge	72	2	H2	77.16848870	1399723.333
In	115	1	He	79.46142744	5792256.103
Tb	159	1	He	83.02525026	13443630.633
Ir	193	1	He	81.64808436	6382611.987

Sample Name	10607799005_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	221SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:25:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.200086	22.5	177.500
Be	9	2	H2	0.007490	58.9	9.000
B	11	2	H2	0.813937	38.5	2833.607
Na	23	1	He	341.288029	5.7	520093.887
Mg	24	1	He	347.468664	5.6	289192.157
Al	27	1	He	2.505977	12.9	1310.050
Si	28	2	H2	312.303151	6.0	1129116.207
K	39	1	He	50.055942	14.1	161703.047
Ca	43	1	He	1911.424887	5.6	7215.407
Ca	44	1	He	1960.999597	4.6	124000.900
Ti	47	1	He	0.018779	58.1	10.000
V	51	1	He	0.003370	1111.1	-1328.737
Cr	52	1	He	0.079380	11.3	1344.720
Mn	55	1	He	0.158658	11.7	2101.463
Fe	56	1	He	1.526383	7.1	29326.373
Co	59	1	He	0.011298	1.5	268.000
Ni	60	1	He	-0.067507		400.677
Cu	63	1	He	0.168127	7.1	2006.787
Zn	66	1	He	0.267013	15.6	749.353
As	75	1	He	0.025613	64.0	254.333
Se	78	2	H2	0.024094	23.3	36.667
Sr	88	1	He	2.946166	5.1	46142.180
Mo	95	1	He	0.034912	18.2	248.340
Pd	105	1	He	-0.000172		26.667
Ag	107	1	He	0.016102	7.4	1041.707
Cd	111	1	He	0.002326	140.5	11.590
Sn	118	1	He	0.109050	13.7	1223.390
Sb	121	1	He	0.007422	58.0	171.667
Ba	138	1	He	1.542265	5.7	49967.007
Pt	195	1	He	0.004786	71.2	133.333
Hg	202	1	He	0.010364	81.8	126.667
Tl	205	1	He	0.011388	321.9	1090.477
Pb	206	1	He	0.006642	54.7	176.667
Pb	207	1	He	0.002569	367.9	835.030
Pb	208	1	He	0.005549	42.1	1378.370
Bi	209	1	He	-0.000359		1300.087
Th	232	1	He	0.002033	26.4	181.667
U	238	1	He	0.015343	11.3	1116.720

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.03603239	820614.310
Sc	45	2	H2	77.44814802	5190707.833
Ge	72	1	He	73.91985260	500541.967
Ge	72	2	H2	79.14682745	1435607.500
In	115	1	He	77.50113727	5649362.840
Tb	159	1	He	80.10855881	12971353.557
Ir	193	1	He	80.00537859	6254198.030

Sample Name	10607799006_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	222SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:28:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.986630	4.7	1823.257
Be	9	2	H2	0.013107	41.1	11.500
B	11	2	H2	13.002482	7.8	9199.080
Na	23	1	He	5532.822595	1.8	8301917.790
Mg	24	1	He	8207.370985	1.2	6832121.980
Al	27	1	He	4.882747	4.5	2394.827
Si	28	2	H2	6268.197235	6.7	21565028.667
K	39	1	He	839.457336	0.7	1141455.297
Ca	43	1	He	102103.9095	1.0	388572.800
Ca	44	1	He	103534.8328	1.9	6598398.330
Ti	47	1	He	0.117812	14.2	50.667
V	51	1	He	0.314985	22.7	1665.820
Cr	52	1	He	1.914570	2.1	22560.003
Mn	55	1	He	3.661536	1.7	32698.127
Fe	56	1	He	10.504142	1.1	124416.620
Co	59	1	He	0.150919	7.6	2577.533
Ni	60	1	He	0.225937	9.3	1588.743
Cu	63	1	He	0.396671	3.5	4387.220
Zn	66	1	He	3.886037	3.1	8536.047
As	75	1	He	0.320960	6.2	774.687
Se	78	2	H2	1.084191	0.8	964.030
Sr	88	1	He	211.170430	2.3	3300371.720
Mo	95	1	He	0.121881	14.9	813.363
Pd	105	1	He	0.037588	23.5	403.347
Ag	107	1	He	0.037411	30.0	1466.747
Cd	111	1	He	0.005864	45.2	24.757
Sn	118	1	He	0.059750	13.3	733.357
Sb	121	1	He	0.078971	5.3	1100.047
Ba	138	1	He	38.101764	1.1	1247074.720
Pt	195	1	He	0.014885	59.0	256.673
Hg	202	1	He	0.008446	22.9	116.667
Tl	205	1	He	-0.004735		426.677
Pb	206	1	He	0.024290	10.7	446.677
Pb	207	1	He	0.022287	31.2	1091.717
Pb	208	1	He	0.023806	7.6	2483.430
Bi	209	1	He	0.000187	2402.6	1340.087
Th	232	1	He	0.002227	42.2	195.003
U	238	1	He	0.770869	1.6	52650.067

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.61933425	826993.457
Sc	45	2	H2	74.30143413	4979809.667
Ge	72	1	He	73.61492074	498477.147
Ge	72	2	H2	74.68347526	1354648.830
In	115	1	He	77.55548180	5653324.227
Tb	159	1	He	81.02880275	13120361.473
Ir	193	1	He	80.01645460	6255063.867

Sample Name	10607799006_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	223SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:32:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.183504	10.0	168.000
Be	9	2	H2	0.008303	33.0	9.500
B	11	2	H2	1.777166	33.9	3393.780
Na	23	1	He	293.000096	2.8	461839.277
Mg	24	1	He	418.106867	1.1	357830.373
Al	27	1	He	1.434296	5.4	857.687
Si	28	2	H2	317.255372	5.8	1155788.917
K	39	1	He	60.529991	7.0	179774.597
Ca	43	1	He	5099.218198	1.9	19811.590
Ca	44	1	He	5281.514327	1.8	343627.400
Ti	47	1	He	0.011414	63.8	7.333
V	51	1	He	-0.016978		-1574.850
Cr	52	1	He	0.126339	3.7	1938.113
Mn	55	1	He	0.126666	2.0	1879.440
Fe	56	1	He	0.883997	2.6	23267.627
Co	59	1	He	0.005193	9.6	172.000
Ni	60	1	He	-0.114954		215.333
Cu	63	1	He	0.038211	15.5	668.683
Zn	66	1	He	0.234682	5.1	704.020
As	75	1	He	0.003512	75.8	223.000
Se	78	2	H2	0.058017	28.6	68.000
Sr	88	1	He	10.257176	0.3	167755.657
Mo	95	1	He	0.002110	113.1	33.333
Pd	105	1	He	0.005120	70.0	83.333
Ag	107	1	He	0.000557	1063.0	766.690
Cd	111	1	He	0.001856	119.3	9.993
Sn	118	1	He	0.092993	14.2	1111.717
Sb	121	1	He	0.004321	33.1	138.333
Ba	138	1	He	1.895952	2.3	64176.327
Pt	195	1	He	0.003064	13.0	116.667
Hg	202	1	He	0.002636	254.4	83.333
Tl	205	1	He	-0.009801		208.337
Pb	206	1	He	0.003387	86.4	135.000
Pb	207	1	He	-0.002801		800.030
Pb	208	1	He	0.000895	152.2	1153.363
Bi	209	1	He	-0.002124		1270.077
Th	232	1	He	0.001252	4.1	135.000
U	238	1	He	0.037550	5.9	2731.937

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.17212815	843975.230
Sc	45	2	H2	78.06025062	5231732.000
Ge	72	1	He	76.30226519	516674.270
Ge	72	2	H2	78.95737132	1432171.043
In	115	1	He	81.06753363	5909331.503
Tb	159	1	He	83.63379871	13542168.133
Ir	193	1	He	82.95327147	6484641.360

Sample Name	10607799007_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	224SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:36:02
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.641230	5.2	3466.653
Be	9	2	H2	0.005958	25.7	8.000
B	11	2	H2	12.732878	10.7	9249.197
Na	23	1	He	6056.712508	1.8	9085535.697
Mg	24	1	He	12555.94671	2.4	10448877.763
Al	27	1	He	16.587451	3.3	7668.263
Si	28	2	H2	6730.578823	6.2	23621122.000
K	39	1	He	775.557101	1.7	1062158.573
Ca	43	1	He	60972.78070	1.4	232023.557
Ca	44	1	He	62080.90545	2.2	3955878.117
Ti	47	1	He	0.260922	26.2	109.333
V	51	1	He	0.061531	157.0	-785.037
Cr	52	1	He	1.614630	2.9	19092.737
Mn	55	1	He	2.937006	0.9	26371.837
Fe	56	1	He	14.986576	2.0	171744.383
Co	59	1	He	0.083598	2.2	1473.400
Ni	60	1	He	1.851897	3.1	8229.903
Cu	63	1	He	0.433692	2.2	4805.990
Zn	66	1	He	2.132465	2.2	4794.657
As	75	1	He	0.118892	2.6	421.343
Se	78	2	H2	0.279103	4.3	262.333
Sr	88	1	He	136.257898	1.9	2120966.687
Mo	95	1	He	0.756611	1.9	4987.423
Pd	105	1	He	0.015246	16.2	180.003
Ag	107	1	He	0.027846	23.7	1271.730
Cd	111	1	He	0.011262	56.8	45.170
Sn	118	1	He	0.162784	1.5	1750.113
Sb	121	1	He	0.043511	14.8	638.350
Ba	138	1	He	5.717121	1.1	189923.820
Pt	195	1	He	0.010272	45.1	203.340
Hg	202	1	He	0.010294	52.8	130.000
Tl	205	1	He	-0.006272		363.343
Pb	206	1	He	0.043307	15.1	745.027
Pb	207	1	He	0.033220	42.4	1246.730
Pb	208	1	He	0.040216	4.2	3511.840
Bi	209	1	He	0.001651	226.8	1430.093
Th	232	1	He	0.005479	6.9	416.677
U	238	1	He	0.782875	0.9	54074.740

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.62156871	827017.893
Sc	45	2	H2	75.81195697	5081047.500
Ge	72	1	He	74.11565659	501867.837
Ge	72	2	H2	75.91383960	1376965.837
In	115	1	He	77.24801429	5630911.710
Tb	159	1	He	82.19750960	13309601.050
Ir	193	1	He	80.91705962	6325466.160

Sample Name	10607799007_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	225SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:39:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.315893	10.2	245.833
Be	9	2	H2	0.006908	149.7	8.667
B	11	2	H2	1.032985	28.5	2923.617
Na	23	1	He	310.267750	1.8	491027.050
Mg	24	1	He	620.227793	2.3	532467.987
Al	27	1	He	2.035869	7.7	1140.703
Si	28	2	H2	339.216605	7.1	1211016.127
K	39	1	He	57.044322	3.1	176376.230
Ca	43	1	He	3002.647574	2.0	11735.807
Ca	44	1	He	3090.167440	2.5	202256.343
Ti	47	1	He	0.027201	62.9	14.000
V	51	1	He	0.004665	833.3	-1366.947
Cr	52	1	He	0.100622	7.8	1644.747
Mn	55	1	He	0.086764	4.6	1532.737
Fe	56	1	He	0.877463	2.3	23329.023
Co	59	1	He	0.001263	50.2	104.000
Ni	60	1	He	-0.046185		501.343
Cu	63	1	He	0.037477	5.8	657.347
Zn	66	1	He	0.164266	5.6	544.010
As	75	1	He	-0.009948		197.333
Se	78	2	H2	0.013867	58.5	26.667
Sr	88	1	He	6.470386	0.8	105353.330
Mo	95	1	He	0.031374	22.7	230.000
Pd	105	1	He	0.004217	35.3	73.333
Ag	107	1	He	0.001465	454.3	781.693
Cd	111	1	He	0.000572	221.8	4.930
Sn	118	1	He	0.113051	5.5	1313.397
Sb	121	1	He	-0.001305		61.667
Ba	138	1	He	0.285527	3.7	9731.230
Pt	195	1	He	0.000727	263.2	86.667
Hg	202	1	He	0.004246	57.8	93.333
Tl	205	1	He	-0.011304		138.333
Pb	206	1	He	0.001160	114.7	100.000
Pb	207	1	He	-0.001750		810.033
Pb	208	1	He	0.000893	81.2	1148.370
Bi	209	1	He	-0.003377		1203.403
Th	232	1	He	0.001210	19.4	131.667
U	238	1	He	0.036974	7.5	2681.930

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.61475317	848815.897
Sc	45	2	H2	76.49386032	5126749.833
Ge	72	1	He	75.89310696	513903.690
Ge	72	2	H2	77.53711697	1406409.710
In	115	1	He	80.65508647	5879266.607
Tb	159	1	He	83.23927281	13478285.633
Ir	193	1	He	82.63715589	6459929.903

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	226_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:43:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	78.122210	6.8	46138.287
Be	9	2	H2	77.779372	5.9	39133.353
B	11	2	H2	75.857168	4.0	42381.687
Na	23	1	He	2027.873430	0.0	3055153.080
Mg	24	1	He	2002.885372	0.8	1671503.723
Al	27	1	He	1948.937779	0.5	879640.707
Si	28	2	H2	959.637375	6.7	3290253.000
K	39	1	He	2027.649895	0.4	2617226.213
Ca	43	1	He	1946.516760	1.7	7426.277
Ca	44	1	He	1960.926461	1.3	125280.917
Ti	47	1	He	75.699893	0.9	30966.253
V	51	1	He	80.472099	0.7	777390.860
Cr	52	1	He	80.670293	0.7	933688.000
Mn	55	1	He	82.437464	0.3	721180.167
Fe	56	1	He	1016.925625	0.6	10769131.000
Co	59	1	He	81.979940	1.3	1389236.457
Ni	60	1	He	82.039495	0.5	340932.467
Cu	63	1	He	83.879488	0.7	896694.393
Zn	66	1	He	80.603960	0.6	177734.507
As	75	1	He	78.119201	0.3	141177.807
Se	78	2	H2	75.736592	1.9	67517.017
Sr	88	1	He	74.892735	0.9	1164072.483
Mo	95	1	He	80.825157	0.9	539776.127
Pd	105	1	He	77.889790	0.9	772759.700
Ag	107	1	He	38.668715	2.8	764967.670
Cd	111	1	He	77.001298	1.8	289732.503
Sn	118	1	He	76.308306	1.1	754083.427
Sb	121	1	He	74.281563	0.6	957690.507
Ba	138	1	He	78.513190	0.4	2569691.370
Pt	195	1	He	78.593991	1.6	957123.320
Hg	202	1	He	3.722559	2.7	22923.280
Tl	205	1	He	40.068755	0.8	1783569.973
Pb	206	1	He	79.875669	1.0	1207122.873
Pb	207	1	He	83.492380	1.3	1054251.627
Pb	208	1	He	81.761565	0.4	4874131.650
Bi	209	1	He	84.365670	1.3	3958431.400
Th	232	1	He	77.811129	0.3	5255921.590
U	238	1	He	75.879256	0.7	5243143.047

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.71191244	828005.917
Sc	45	2	H2	73.92410121	4954520.167
Ge	72	1	He	75.36571248	510332.483
Ge	72	2	H2	75.94225277	1377481.210
In	115	1	He	77.12805630	5622167.500
Tb	159	1	He	81.02815684	13120256.887
Ir	193	1	He	81.05499486	6336248.863

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	227_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:46:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.032810	54.7	71.167
Be	9	2	H2	0.016682	31.8	13.333
B	11	2	H2	0.741809	95.2	2706.927
Na	23	1	He	12.321557	2.4	31563.557
Mg	24	1	He	-2.169716		905.033
Al	27	1	He	0.945292	8.7	609.343
Si	28	2	H2	-0.031925		9413.780
K	39	1	He	22.425885	4.9	126739.777
Ca	43	1	He	1.981867	17.1	15.453
Ca	44	1	He	0.807899	88.6	191.587
Ti	47	1	He	0.012097	85.3	7.333
V	51	1	He	-0.082770		-2141.950
Cr	52	1	He	-0.001527		414.677
Mn	55	1	He	-0.068303		137.333
Fe	56	1	He	0.007266	310.9	13305.577
Co	59	1	He	-0.000011		79.333
Ni	60	1	He	-0.137585		115.333
Cu	63	1	He	0.001371	175.7	259.333
Zn	66	1	He	0.023700	92.1	224.000
As	75	1	He	-0.005881		197.500
Se	78	2	H2	0.013086	78.4	25.333
Sr	88	1	He	0.002043	97.4	213.333
Mo	95	1	He	0.009254	71.1	78.333
Pd	105	1	He	0.003187	31.0	60.000
Ag	107	1	He	0.215372	17.8	4984.110
Cd	111	1	He	0.005066	15.2	21.643
Sn	118	1	He	0.021521	37.7	351.673
Sb	121	1	He	0.011426	11.3	223.333
Ba	138	1	He	0.003734	9.4	250.003
Pt	195	1	He	0.005635	15.9	143.333
Hg	202	1	He	0.021152	57.0	193.337
Tl	205	1	He	0.039933	28.9	2395.213
Pb	206	1	He	0.002403	134.5	115.000
Pb	207	1	He	-0.000490		798.367
Pb	208	1	He	0.002713	109.2	1216.710
Bi	209	1	He	0.001683	36.9	1400.087
Th	232	1	He	0.012132	20.3	860.030
U	238	1	He	0.003562	18.3	318.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.32702130	812860.373
Sc	45	2	H2	74.78503609	5012221.500
Ge	72	1	He	73.21636000	495778.327
Ge	72	2	H2	75.74799765	1373957.707
In	115	1	He	77.18515296	5626329.500
Tb	159	1	He	80.45077050	13026765.223
Ir	193	1	He	80.49919212	6292800.530

Sample Name	10607799008_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	228SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:50:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.126520	5.4	731.347
Be	9	2	H2	0.025837	55.6	18.167
B	11	2	H2	8.349690	17.8	6851.363
Na	23	1	He	4607.367814	2.0	6841706.773
Mg	24	1	He	12562.79797	2.1	10344757.140
Al	27	1	He	6.435983	0.9	3061.923
Si	28	2	H2	4328.204620	7.0	15143686.333
K	39	1	He	736.539620	2.1	1003105.220
Ca	43	1	He	45970.29297	2.1	173083.390
Ca	44	1	He	46862.53236	2.0	2954772.197
Ti	47	1	He	0.109383	37.2	46.667
V	51	1	He	1.107880	10.8	9227.753
Cr	52	1	He	0.771066	3.8	9247.713
Mn	55	1	He	0.780942	3.2	7472.233
Fe	56	1	He	4.815353	0.7	63643.570
Co	59	1	He	0.475271	5.1	7917.100
Ni	60	1	He	0.077678	4.8	984.697
Cu	63	1	He	0.560211	3.0	6073.043
Zn	66	1	He	1.916182	5.7	4281.193
As	75	1	He	0.590695	5.5	1245.543
Se	78	2	H2	9.963269	0.8	8943.923
Sr	88	1	He	73.501276	1.6	1142919.617
Mo	95	1	He	0.128203	2.1	851.697
Pd	105	1	He	0.012593	8.6	153.333
Ag	107	1	He	0.086651	16.7	2433.530
Cd	111	1	He	0.018278	30.0	71.410
Sn	118	1	He	0.064544	8.1	776.690
Sb	121	1	He	0.384425	2.3	5034.127
Ba	138	1	He	21.752919	2.0	712846.370
Pt	195	1	He	0.007712	54.1	170.003
Hg	202	1	He	0.018168	58.2	176.673
Tl	205	1	He	0.018552	23.0	1465.080
Pb	206	1	He	0.028978	17.7	518.347
Pb	207	1	He	0.017585	46.3	1033.380
Pb	208	1	He	0.025490	10.2	2586.770
Bi	209	1	He	0.012940	14.2	1940.150
Th	232	1	He	0.010385	19.5	740.027
U	238	1	He	0.268694	1.8	18410.953

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.81835884	818233.773
Sc	45	2	H2	75.54860203	5063397.000
Ge	72	1	He	73.36650194	496795.000
Ge	72	2	H2	76.34821389	1384844.750
In	115	1	He	77.15642217	5624235.200
Tb	159	1	He	81.12612313	13136119.803
Ir	193	1	He	80.06861508	6259141.367

Sample Name	10607799008_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	229SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:53:52
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.078375	21.4	100.833
Be	9	2	H2	0.007819	52.1	9.000
B	11	2	H2	0.680642	48.1	2733.590
Na	23	1	He	242.206577	1.4	384753.207
Mg	24	1	He	638.816349	2.0	546041.397
Al	27	1	He	1.528693	3.8	902.357
Si	28	2	H2	222.373210	6.6	798484.290
K	39	1	He	54.868590	1.9	172870.020
Ca	43	1	He	2285.912506	0.7	8898.463
Ca	44	1	He	2376.856932	2.0	154951.660
Ti	47	1	He	0.009811	28.4	6.667
V	51	1	He	0.062415	69.3	-791.240
Cr	52	1	He	0.096132	9.9	1584.073
Mn	55	1	He	-0.018107		590.677
Fe	56	1	He	0.566282	3.8	19870.243
Co	59	1	He	0.021351	14.0	448.677
Ni	60	1	He	-0.126827		165.333
Cu	63	1	He	0.043746	7.5	728.020
Zn	66	1	He	0.138920	2.8	490.010
As	75	1	He	0.008002	55.0	231.000
Se	78	2	H2	0.519416	5.8	491.010
Sr	88	1	He	3.595172	1.7	58395.007
Mo	95	1	He	0.007060	80.6	66.667
Pd	105	1	He	0.004256	86.6	73.333
Ag	107	1	He	0.048536	32.6	1746.773
Cd	111	1	He	0.004428	58.4	19.980
Sn	118	1	He	0.111175	19.9	1288.393
Sb	121	1	He	0.016723	25.8	303.343
Ba	138	1	He	1.099599	1.2	36880.280
Pt	195	1	He	0.005837	95.8	150.003
Hg	202	1	He	0.016008	34.4	166.670
Tl	205	1	He	-0.004353		453.343
Pb	206	1	He	0.001534	58.0	105.000
Pb	207	1	He	-0.000470		821.697
Pb	208	1	He	0.001666	74.5	1188.367
Bi	209	1	He	0.000357	876.2	1376.753
Th	232	1	He	0.003447	23.7	283.337
U	238	1	He	0.014423	11.2	1083.383

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.27959502	845150.517
Sc	45	2	H2	76.64662175	5136988.167
Ge	72	1	He	76.23919368	516247.187
Ge	72	2	H2	78.24253704	1419204.997
In	115	1	He	80.33667840	5856056.590
Tb	159	1	He	82.73985084	13397418.133
Ir	193	1	He	82.01267735	6411113.030

Sample Name	10607799009_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	230SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:57:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.092265	4.8	3679.863
Be	9	2	H2	0.006584	45.4	8.167
B	11	2	H2	13.256065	3.9	9372.547
Na	23	1	He	5452.077965	2.0	8104249.463
Mg	24	1	He	17642.22915	1.7	14545701.033
Al	27	1	He	7.460063	3.2	3522.673
Si	28	2	H2	5559.905207	6.6	19213765.333
K	39	1	He	649.819578	1.4	897986.703
Ca	43	1	He	57811.52466	2.0	217952.537
Ca	44	1	He	58664.01829	2.6	3703578.440
Ti	47	1	He	0.114464	61.7	48.667
V	51	1	He	0.145524	111.1	35.260
Cr	52	1	He	4.149026	3.4	47918.320
Mn	55	1	He	0.885296	3.6	8385.963
Fe	56	1	He	10.761617	1.6	125949.070
Co	59	1	He	0.075148	4.4	1320.053
Ni	60	1	He	0.826382	2.3	4010.467
Cu	63	1	He	0.534109	1.8	5806.953
Zn	66	1	He	2.932922	2.8	6467.183
As	75	1	He	0.321826	4.4	774.020
Se	78	2	H2	2.873038	2.1	2552.520
Sr	88	1	He	122.356237	1.8	1908590.073
Mo	95	1	He	0.238978	3.7	1573.417
Pd	105	1	He	0.023576	24.3	263.343
Ag	107	1	He	0.042824	16.7	1571.757
Cd	111	1	He	0.002280	32.3	11.193
Sn	118	1	He	0.047661	14.7	611.683
Sb	121	1	He	0.079932	8.1	1110.047
Ba	138	1	He	4.921515	1.3	161776.217
Pt	195	1	He	0.005511	22.5	143.333
Hg	202	1	He	0.002432	406.5	80.000
Tl	205	1	He	-0.003429		486.677
Pb	206	1	He	0.024401	24.9	450.013
Pb	207	1	He	0.020799	28.2	1076.717
Pb	208	1	He	0.022797	5.5	2431.763
Bi	209	1	He	-0.001682		1256.747
Th	232	1	He	0.002891	25.5	240.003
U	238	1	He	0.369745	2.5	25343.913

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.91933965	819338.127
Sc	45	2	H2	74.57674042	4998261.167
Ge	72	1	He	73.42194334	497170.417
Ge	72	2	H2	75.28035606	1365475.373
In	115	1	He	77.40784533	5642562.423
Tb	159	1	He	81.32032132	13167564.800
Ir	193	1	He	80.18421723	6268178.243

Sample Name	10607799009_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	231SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:00:59
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.335779	13.3	261.667
Be	9	2	H2	0.006842	36.5	8.667
B	11	2	H2	0.562574	67.0	2706.920
Na	23	1	He	276.903928	0.2	440982.990
Mg	24	1	He	880.445901	0.4	756860.403
Al	27	1	He	1.521081	4.9	905.357
Si	28	2	H2	282.729028	6.3	1025271.023
K	39	1	He	49.125345	3.5	166774.243
Ca	43	1	He	2843.616583	1.8	11146.723
Ca	44	1	He	2949.087192	0.6	193584.510
Ti	47	1	He	0.017616	71.2	10.000
V	51	1	He	-0.061331		-2027.153
Cr	52	1	He	0.256301	2.7	3500.350
Mn	55	1	He	-0.011366		655.347
Fe	56	1	He	0.873135	2.6	23347.040
Co	59	1	He	0.001216	27.0	104.000
Ni	60	1	He	-0.090694		318.000
Cu	63	1	He	0.033754	8.6	622.013
Zn	66	1	He	0.155173	15.9	528.010
As	75	1	He	0.011391	114.3	238.000
Se	78	2	H2	0.130090	7.1	135.667
Sr	88	1	He	5.900033	0.8	96091.003
Mo	95	1	He	0.011190	36.7	95.000
Pd	105	1	He	0.003247	104.2	63.333
Ag	107	1	He	0.036898	23.7	1515.083
Cd	111	1	He	-0.000688		-0.030
Sn	118	1	He	0.102389	9.7	1203.390
Sb	121	1	He	0.002407	90.5	111.667
Ba	138	1	He	0.242046	5.3	8263.787
Pt	195	1	He	0.000972	211.2	90.000
Hg	202	1	He	0.006878	59.8	110.000
Tl	205	1	He	-0.008964		245.000
Pb	206	1	He	0.000303	605.8	86.667
Pb	207	1	He	-0.006849		743.360
Pb	208	1	He	-0.000918		1036.697
Bi	209	1	He	0.000550	417.3	1393.427
Th	232	1	He	0.000797	76.0	103.333
U	238	1	He	0.019128	0.4	1425.080

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.83014836	851171.517
Sc	45	2	H2	77.58452422	5199848.000
Ge	72	1	He	76.48615734	517919.480
Ge	72	2	H2	79.41834901	1440532.503
In	115	1	He	80.66111537	5879706.077
Tb	159	1	He	83.19078758	13470434.800
Ir	193	1	He	82.74400864	6468282.820

Sample Name	10607799010_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	232SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:04:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.958937	4.3	3023.243
Be	9	2	H2	0.024424	14.3	17.333
B	11	2	H2	16.035895	9.3	10930.053
Na	23	1	He	14400.07100	1.3	21544140.513
Mg	24	1	He	25017.03676	1.6	20780086.357
Al	27	1	He	22.984025	0.5	10532.997
Si	28	2	H2	5863.035507	8.2	20376152.000
K	39	1	He	1314.139742	1.4	1726407.527
Ca	43	1	He	50195.20682	1.4	190665.323
Ca	44	1	He	50901.47851	1.5	3237836.567
Ti	47	1	He	0.513409	11.7	212.000
V	51	1	He	0.946644	7.8	7754.370
Cr	52	1	He	1.131414	3.1	13487.037
Mn	55	1	He	40.482751	1.4	353428.900
Fe	56	1	He	34.408051	1.6	376196.157
Co	59	1	He	0.388632	2.8	6554.540
Ni	60	1	He	0.784724	3.5	3877.097
Cu	63	1	He	0.362627	4.1	4057.803
Zn	66	1	He	5.580490	1.0	12262.210
As	75	1	He	0.536046	3.0	1161.540
Se	78	2	H2	6.998636	1.6	6257.777
Sr	88	1	He	269.316864	1.4	4182002.123
Mo	95	1	He	0.674065	3.8	4443.937
Pd	105	1	He	0.045240	26.0	476.687
Ag	107	1	He	0.033349	17.1	1376.737
Cd	111	1	He	0.025563	9.1	98.667
Sn	118	1	He	0.098898	12.0	1115.050
Sb	121	1	He	0.105276	6.7	1431.743
Ba	138	1	He	44.781142	0.9	1480182.687
Pt	195	1	He	0.010608	89.2	206.673
Hg	202	1	He	0.009349	95.4	123.333
Tl	205	1	He	0.030707	4.7	2023.487
Pb	206	1	He	0.111025	5.8	1775.113
Pb	207	1	He	0.105964	5.7	2168.500
Pb	208	1	He	0.110943	1.8	7752.440
Bi	209	1	He	0.015332	19.3	2070.180
Th	232	1	He	0.015344	4.3	1070.047
U	238	1	He	0.813406	2.8	55564.993

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.48037188	825473.727
Sc	45	2	H2	75.07318647	5031533.833
Ge	72	1	He	74.10146556	501771.743
Ge	72	2	H2	76.01310102	1378766.293
In	115	1	He	77.05405028	5616772.910
Tb	159	1	He	81.82796740	13249763.967
Ir	193	1	He	80.04057865	6256949.697

Sample Name	10607799010_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	233SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:08:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.288940	10.2	231.500
Be	9	2	H2	0.007518	71.5	9.000
B	11	2	H2	0.363301	94.0	2580.233
Na	23	1	He	733.049518	1.3	1141133.627
Mg	24	1	He	1260.382416	0.7	1079275.740
Al	27	1	He	2.417255	1.6	1317.383
Si	28	2	H2	300.839239	5.3	1085938.250
K	39	1	He	86.675482	0.8	214081.200
Ca	43	1	He	2512.544044	1.7	9822.583
Ca	44	1	He	2551.986027	0.5	167077.417
Ti	47	1	He	0.044709	12.2	21.333
V	51	1	He	0.060336	65.7	-815.623
Cr	52	1	He	0.087889	3.5	1493.403
Mn	55	1	He	1.972315	1.2	18426.053
Fe	56	1	He	2.336653	0.9	39151.483
Co	59	1	He	0.017852	25.4	391.340
Ni	60	1	He	-0.094663		302.667
Cu	63	1	He	0.027546	13.7	557.343
Zn	66	1	He	0.317454	1.1	894.693
As	75	1	He	0.014804	83.8	245.333
Se	78	2	H2	0.327438	7.8	316.000
Sr	88	1	He	13.024639	0.1	210960.250
Mo	95	1	He	0.031934	27.6	236.673
Pd	105	1	He	0.001984	212.3	50.000
Ag	107	1	He	1.173401	86.7	24911.197
Cd	111	1	He	0.001854	68.7	9.930
Sn	118	1	He	0.109398	16.6	1270.060
Sb	121	1	He	0.006661	33.0	168.333
Ba	138	1	He	2.181748	0.9	73114.237
Pt	195	1	He	0.000740	378.3	86.667
Hg	202	1	He	0.006429	74.9	106.667
Tl	205	1	He	-0.007545		308.343
Pb	206	1	He	0.008752	28.5	216.670
Pb	207	1	He	0.002608	216.4	861.700
Pb	208	1	He	0.006717	25.6	1496.713
Bi	209	1	He	0.000268	273.3	1373.423
Th	232	1	He	0.000992	30.9	115.000
U	238	1	He	0.039445	6.5	2811.947

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.61708303	848841.377
Sc	45	2	H2	77.31285605	5181640.333
Ge	72	1	He	76.82263307	520197.897
Ge	72	2	H2	78.53984863	1424597.793
In	115	1	He	80.30503828	5853750.217
Tb	159	1	He	82.81970401	13410348.133
Ir	193	1	He	81.41887625	6364694.280

Sample Name	10607799011_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	234SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:11:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.640337	4.7	2905.560
Be	9	2	H2	0.008151	63.4	9.333
B	11	2	H2	12.038065	11.3	9015.687
Na	23	1	He	6554.309815	1.4	10007950.060
Mg	24	1	He	29547.25635	1.6	25029128.793
Al	27	1	He	11.468653	1.9	5458.477
Si	28	2	H2	5785.172477	5.7	20623690.667
K	39	1	He	1099.068153	1.4	1489352.163
Ca	43	1	He	44088.32835	1.0	170793.583
Ca	44	1	He	44868.85483	0.9	2910816.620
Ti	47	1	He	0.123675	3.5	54.000
V	51	1	He	1.189627	5.8	10303.817
Cr	52	1	He	2.692890	1.4	32116.973
Mn	55	1	He	0.750100	0.8	7414.207
Fe	56	1	He	16.063786	0.6	186428.470
Co	59	1	He	0.237127	1.2	4057.140
Ni	60	1	He	0.188221	12.6	1454.730
Cu	63	1	He	0.375993	3.8	4225.847
Zn	66	1	He	10.810579	2.3	23741.677
As	75	1	He	0.255130	5.4	667.343
Se	78	2	H2	0.176100	6.1	174.000
Sr	88	1	He	110.919833	0.7	1733925.963
Mo	95	1	He	0.627068	5.0	4162.210
Pd	105	1	He	0.015522	3.8	183.337
Ag	107	1	He	1.232405	82.0	25214.090
Cd	111	1	He	0.012202	11.0	48.753
Sn	118	1	He	0.163585	3.9	1765.113
Sb	121	1	He	5.962947	0.2	77387.273
Ba	138	1	He	45.271328	1.0	1496146.853
Pt	195	1	He	0.008154	23.3	176.673
Hg	202	1	He	0.012024	13.7	140.000
Tl	205	1	He	0.018802	5.9	1488.417
Pb	206	1	He	0.048357	4.0	818.363
Pb	207	1	He	0.040953	1.6	1340.067
Pb	208	1	He	0.046784	3.3	3890.217
Bi	209	1	He	-0.000227		1333.423
Th	232	1	He	0.002530	17.7	216.670
U	238	1	He	1.218327	0.8	83684.460

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.97604698	841830.833
Sc	45	2	H2	76.97653969	5159099.833
Ge	72	1	He	74.58173449	505023.843
Ge	72	2	H2	77.39561565	1403843.083
In	115	1	He	77.56581577	5654077.510
Tb	159	1	He	81.81753801	13248075.217
Ir	193	1	He	80.50990300	6293637.823

Sample Name	10607799011_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	235SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:15:14
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.239165	6.1	207.833
Be	9	2	H2	0.001482	240.9	6.000
B	11	2	H2	0.156018	229.5	2556.897
Na	23	1	He	338.117764	1.1	548530.277
Mg	24	1	He	1507.026033	0.8	1325332.793
Al	27	1	He	1.803343	1.6	1061.697
Si	28	2	H2	294.635889	6.8	1100525.247
K	39	1	He	74.870030	3.3	204513.760
Ca	43	1	He	2219.353966	1.2	8915.290
Ca	44	1	He	2277.858578	1.0	153236.000
Ti	47	1	He	0.007675	261.1	6.000
V	51	1	He	0.098563	132.8	-452.967
Cr	52	1	He	0.142211	2.2	2196.140
Mn	55	1	He	-0.028282		516.010
Fe	56	1	He	0.900571	5.3	24226.867
Co	59	1	He	0.008397	15.7	230.667
Ni	60	1	He	-0.123465		182.667
Cu	63	1	He	0.015428	14.7	429.343
Zn	66	1	He	0.541796	3.4	1412.063
As	75	1	He	0.018924	20.2	255.333
Se	78	2	H2	0.013311	88.5	27.000
Sr	88	1	He	5.284708	2.0	87484.760
Mo	95	1	He	0.029917	15.0	225.000
Pd	105	1	He	0.004129	158.1	73.333
Ag	107	1	He	0.123051	11.5	3350.360
Cd	111	1	He	0.000549	228.0	4.933
Sn	118	1	He	0.107207	2.6	1273.393
Sb	121	1	He	0.284813	5.5	3983.830
Ba	138	1	He	2.154492	1.3	73743.493
Pt	195	1	He	-0.000691		70.000
Hg	202	1	He	0.002977	83.0	86.667
Tl	205	1	He	-0.009667		216.670
Pb	206	1	He	0.001384	26.0	105.000
Pb	207	1	He	0.003977	160.5	898.367
Pb	208	1	He	0.001726	65.8	1218.367
Bi	209	1	He	-0.002344		1276.753
Th	232	1	He	0.000375	4.2	75.000
U	238	1	He	0.060609	5.7	4397.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	79.74934385	872160.357
Sc	45	2	H2	80.01603709	5362812.167
Ge	72	1	He	77.56810754	525245.813
Ge	72	2	H2	80.52711644	1460643.920
In	115	1	He	81.96791312	5974963.707
Tb	159	1	He	84.59795775	13698286.880
Ir	193	1	He	83.64563435	6538764.903

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	236_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:18:50
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	77.792543	5.9	47512.863
Be	9	2	H2	77.383683	4.9	40261.410
B	11	2	H2	76.796588	6.3	44343.373
Na	23	1	He	2032.395076	0.8	3082610.890
Mg	24	1	He	2016.844780	1.5	1694367.003
Al	27	1	He	1954.832059	0.7	888220.063
Si	28	2	H2	961.861561	6.0	3410270.750
K	39	1	He	2043.710888	1.5	2654801.313
Ca	43	1	He	1948.635840	2.9	7482.673
Ca	44	1	He	1945.699698	1.1	125130.130
Ti	47	1	He	76.065199	0.9	31327.513
V	51	1	He	80.587436	0.8	783782.247
Cr	52	1	He	80.837782	0.5	941877.897
Mn	55	1	He	82.124443	0.4	723323.293
Fe	56	1	He	1021.583442	1.5	10890549.000
Co	59	1	He	82.481196	1.2	1409057.877
Ni	60	1	He	81.966652	1.0	343409.810
Cu	63	1	He	83.868152	0.3	903960.893
Zn	66	1	He	80.376626	1.0	178689.957
As	75	1	He	78.194088	0.9	142468.470
Se	78	2	H2	77.051604	0.5	69740.527
Sr	88	1	He	74.786655	1.3	1174926.050
Mo	95	1	He	81.545556	0.5	549044.223
Pd	105	1	He	77.093572	0.6	773008.037
Ag	107	1	He	39.981057	5.5	799676.290
Cd	111	1	He	76.919505	1.2	292572.823
Sn	118	1	He	75.861397	0.2	757730.067
Sb	121	1	He	73.332169	0.8	955575.063
Ba	138	1	He	78.226234	1.3	2585148.867
Pt	195	1	He	76.836603	1.0	944946.730
Hg	202	1	He	3.540939	3.2	22025.613
Tl	205	1	He	39.438157	0.6	1772576.793
Pb	206	1	He	78.907005	0.8	1204179.463
Pb	207	1	He	81.809446	1.2	1043201.780
Pb	208	1	He	80.511931	0.7	4846544.020
Bi	209	1	He	84.047088	1.0	3981417.337
Th	232	1	He	78.263365	0.7	5281081.173
U	238	1	He	76.120293	0.7	5253930.443

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.22444459	833611.107
Sc	45	2	H2	76.38843429	5119684.000
Ge	72	1	He	75.98238816	514508.250
Ge	72	2	H2	77.08525890	1398213.667
In	115	1	He	77.95199298	5682227.487
Tb	159	1	He	81.81724723	13248028.133
Ir	193	1	He	80.96987834	6329595.117

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	237_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:22:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.038619	36.5	75.000
Be	9	2	H2	0.017548	6.1	13.833
B	11	2	H2	0.204383	93.8	2426.877
Na	23	1	He	10.366766	2.9	29136.277
Mg	24	1	He	-1.996460		1063.370
Al	27	1	He	0.923469	8.0	609.343
Si	28	2	H2	0.017539	238.0	9626.560
K	39	1	He	23.755723	6.4	130393.593
Ca	43	1	He	1.129693	147.8	12.490
Ca	44	1	He	0.821294	132.4	195.187
Ti	47	1	He	0.016706	15.9	9.333
V	51	1	He	-0.023709		-1607.480
Cr	52	1	He	0.001063	623.0	451.343
Mn	55	1	He	-0.064745		170.667
Fe	56	1	He	0.047009	59.7	13935.483
Co	59	1	He	0.003285	75.8	135.333
Ni	60	1	He	-0.142242		98.000
Cu	63	1	He	0.003621	75.8	286.667
Zn	66	1	He	0.024450	81.3	228.667
As	75	1	He	0.014773	28.4	237.000
Se	78	2	H2	0.009838	23.5	22.667
Sr	88	1	He	0.000834	497.7	196.670
Mo	95	1	He	0.022515	16.3	166.667
Pd	105	1	He	0.007108	42.6	100.000
Ag	107	1	He	0.979474	64.8	20312.330
Cd	111	1	He	0.005416	73.4	23.283
Sn	118	1	He	0.015602	36.4	296.673
Sb	121	1	He	0.012493	26.8	240.000
Ba	138	1	He	0.004735	36.6	281.673
Pt	195	1	He	0.002632	66.4	106.667
Hg	202	1	He	0.032762	20.7	263.340
Tl	205	1	He	0.046038	27.4	2658.587
Pb	206	1	He	0.007207	36.0	186.667
Pb	207	1	He	0.004605	156.4	860.030
Pb	208	1	He	0.004992	53.9	1348.370
Bi	209	1	He	0.003619	117.8	1486.767
Th	232	1	He	0.013827	20.5	980.043
U	238	1	He	0.004685	13.8	396.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.50620732	825756.270
Sc	45	2	H2	75.15043258	5036711.000
Ge	72	1	He	74.25415990	502805.700
Ge	72	2	H2	76.56456250	1388768.997
In	115	1	He	78.11384596	5694025.587
Tb	159	1	He	80.23980757	12992605.643
Ir	193	1	He	80.83794204	6319281.363

Sample Name	4322416_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	238SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:25:59
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.452022	4.5	64897.620
Be	9	2	H2	102.933758	3.9	53469.823
B	11	2	H2	111.259538	5.5	63100.697
Na	23	1	He	8797.348801	1.3	13412406.050
Mg	24	1	He	32116.40800	1.4	27173212.930
Al	27	1	He	2081.476722	0.8	953956.623
Si	28	2	H2	6486.732260	6.7	22920153.333
K	39	1	He	3276.294023	1.0	4230863.893
Ca	43	1	He	47577.31884	0.9	184095.687
Ca	44	1	He	47874.30546	1.4	3102024.373
Ti	47	1	He	101.146367	1.1	42017.553
V	51	1	He	108.883763	1.1	1068641.687
Cr	52	1	He	109.731877	1.2	1289422.453
Mn	55	1	He	106.322815	1.0	944354.627
Fe	56	1	He	2140.551791	1.8	23001345.333
Co	59	1	He	107.143581	1.7	1828938.460
Ni	60	1	He	106.117020	0.7	444062.123
Cu	63	1	He	105.651750	1.1	1137831.877
Zn	66	1	He	114.464928	0.7	254211.413
As	75	1	He	105.760351	0.4	192482.310
Se	78	2	H2	103.730232	0.9	93067.760
Sr	88	1	He	217.199291	0.2	3331904.950
Mo	95	1	He	110.340065	0.3	742380.927
Pd	105	1	He	20.016010	2.4	195986.240
Ag	107	1	He	47.509705	6.0	927563.060
Cd	111	1	He	102.132398	1.1	379354.850
Sn	118	1	He	103.074010	0.6	1005295.063
Sb	121	1	He	107.655835	0.8	1369830.083
Ba	138	1	He	148.447565	1.2	4941662.320
Pt	195	1	He	19.945299	1.2	247162.960
Hg	202	1	He	0.026266	1.1	230.010
Tl	205	1	He	104.189676	1.3	4716196.493
Pb	206	1	He	103.710175	1.4	1594253.047
Pb	207	1	He	103.412233	0.4	1328211.440
Pb	208	1	He	103.802096	0.7	6294223.187
Bi	209	1	He	104.977910	1.0	5009165.550
Th	232	1	He	107.733018	1.2	7172723.017
U	238	1	He	103.515595	1.0	7049487.603

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.88880852	840876.770
Sc	45	2	H2	76.25799896	5110942.000
Ge	72	1	He	75.92919888	514148.083
Ge	72	2	H2	76.41034001	1385971.627
In	115	1	He	76.12239408	5548860.823
Tb	159	1	He	82.42122816	13345826.050
Ir	193	1	He	79.89113566	6245267.407

Sample Name	10607799012_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	239SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:29:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	8.716254	3.8	5072.020
Be	9	2	H2	0.039962	13.8	24.333
B	11	2	H2	15.902611	9.1	10443.140
Na	23	1	He	5656.928841	1.3	8435735.707
Mg	24	1	He	57447.17244	1.1	47512642.627
Al	27	1	He	9.138295	2.6	4285.833
Si	28	2	H2	6774.062460	8.0	22651266.000
K	39	1	He	1520.734905	1.3	1973550.593
Ca	43	1	He	134715.4476	1.1	509536.923
Ca	44	1	He	136434.6997	1.5	8641736.373
Ti	47	1	He	0.172791	1.2	72.667
V	51	1	He	0.010654	450.2	-1268.273
Cr	52	1	He	0.403198	2.4	5066.727
Mn	55	1	He	365.032190	1.5	3167565.167
Fe	56	1	He	194.990735	2.1	2060458.207
Co	59	1	He	0.291284	2.0	4851.337
Ni	60	1	He	3.921425	3.2	16390.133
Cu	63	1	He	0.189045	8.4	2196.813
Zn	66	1	He	3.532526	2.9	7697.677
As	75	1	He	3.015974	2.5	5468.840
Se	78	2	H2	0.462128	3.5	411.677
Sr	88	1	He	167.833628	1.2	2564893.240
Mo	95	1	He	4.318916	1.8	27905.713
Pd	105	1	He	0.028933	12.9	310.010
Ag	107	1	He	1.599728	73.8	31794.157
Cd	111	1	He	0.018685	43.4	71.630
Sn	118	1	He	0.154944	3.4	1641.760
Sb	121	1	He	0.448760	3.0	5762.687
Ba	138	1	He	12.027549	0.2	393217.237
Pt	195	1	He	0.016798	34.0	280.010
Hg	202	1	He	0.012829	53.5	143.337
Tl	205	1	He	0.033289	13.3	2115.160
Pb	206	1	He	0.064855	7.6	1058.377
Pb	207	1	He	0.059056	6.3	1553.427
Pb	208	1	He	0.065794	2.0	4978.677
Bi	209	1	He	0.009199	54.1	1760.137
Th	232	1	He	0.031642	13.5	2106.833
U	238	1	He	0.275409	2.6	18419.243

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.15729403	821940.460
Sc	45	2	H2	72.14944509	4835579.667
Ge	72	1	He	72.87546422	493469.980
Ge	72	2	H2	73.42930635	1331900.043
In	115	1	He	75.83251394	5527730.320
Tb	159	1	He	80.91695891	13102251.473
Ir	193	1	He	78.15221335	6109331.990

Sample Name	10607799012_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	240SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:33:07
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.494283	13.6	362.500
Be	9	2	H2	0.018524	44.5	15.000
B	11	2	H2	0.207531	139.4	2526.893
Na	23	1	He	298.257753	1.9	473576.840
Mg	24	1	He	2967.289564	1.2	2542400.900
Al	27	1	He	1.934081	5.5	1096.033
Si	28	2	H2	358.739806	5.3	1306974.583
K	39	1	He	96.626520	2.7	227208.213
Ca	43	1	He	6763.894268	1.6	26483.613
Ca	44	1	He	6930.541586	1.2	454426.743
Ti	47	1	He	0.098598	154.8	44.003
V	51	1	He	-0.032501		-1742.957
Cr	52	1	He	0.054797	7.9	1103.370
Mn	55	1	He	18.520281	0.7	167033.597
Fe	56	1	He	10.566641	1.6	128646.407
Co	59	1	He	0.013199	1.4	311.333
Ni	60	1	He	0.069620	21.3	996.700
Cu	63	1	He	0.027199	8.8	553.343
Zn	66	1	He	0.237537	12.1	715.350
As	75	1	He	0.164164	10.0	519.843
Se	78	2	H2	0.031165	59.3	43.000
Sr	88	1	He	8.003997	1.0	130828.837
Mo	95	1	He	0.198874	13.0	1371.740
Pd	105	1	He	0.004185	70.2	73.333
Ag	107	1	He	1.125153	83.1	24093.850
Cd	111	1	He	0.000901	79.6	6.257
Sn	118	1	He	0.109790	1.2	1285.063
Sb	121	1	He	0.020471	26.6	356.677
Ba	138	1	He	0.611411	1.7	20681.130
Pt	195	1	He	0.003904	115.6	126.670
Hg	202	1	He	0.010594	23.5	133.337
Tl	205	1	He	0.000663	384.7	685.023
Pb	206	1	He	0.009657	12.2	231.667
Pb	207	1	He	0.004454	170.0	890.037
Pb	208	1	He	0.007463	30.5	1550.047
Bi	209	1	He	-0.001109		1313.410
Th	232	1	He	0.006613	20.8	501.683
U	238	1	He	0.015800	10.5	1181.727

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.78096035	850633.583
Sc	45	2	H2	78.14387276	5237336.500
Ge	72	1	He	76.80011488	520045.417
Ge	72	2	H2	79.01854624	1433280.667
In	115	1	He	80.99719362	5904204.143
Tb	159	1	He	83.20746741	13473135.633
Ir	193	1	He	82.20515831	6426159.693

Sample Name	10607799013_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	241SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:36:42
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	9.276935	5.4	5710.370
Be	9	2	H2	0.027606	19.4	19.333
B	11	2	H2	23.875445	11.4	15416.697
Na	23	1	He	15127.17060	0.9	22954240.493
Mg	24	1	He	49496.54698	0.9	41698047.710
Al	27	1	He	8.110163	3.6	3896.417
Si	28	2	H2	5267.395984	6.3	18631914.000
K	39	1	He	1887.418065	0.5	2470288.037
Ca	43	1	He	26396.15479	0.2	101702.607
Ca	44	1	He	26992.70824	0.8	1741607.843
Ti	47	1	He	0.109867	11.3	48.000
V	51	1	He	-0.043136		-1814.833
Cr	52	1	He	0.585325	3.1	7290.823
Mn	55	1	He	57.882470	0.4	512244.273
Fe	56	1	He	284.310487	0.6	3053924.833
Co	59	1	He	0.266594	5.1	4585.267
Ni	60	1	He	0.055880	27.5	918.693
Cu	63	1	He	0.139100	5.9	1734.090
Zn	66	1	He	2.479111	2.6	5622.897
As	75	1	He	0.124344	4.2	437.010
Se	78	2	H2	0.014441	30.0	27.000
Sr	88	1	He	63.700478	0.8	983622.593
Mo	95	1	He	0.128128	10.7	871.693
Pd	105	1	He	0.014053	14.5	166.667
Ag	107	1	He	1.406735	72.2	28395.527
Cd	111	1	He	0.020653	13.2	79.737
Sn	118	1	He	0.616952	5.7	6194.513
Sb	121	1	He	0.221521	4.7	2911.937
Ba	138	1	He	16.556653	1.0	549888.860
Pt	195	1	He	0.011317	25.0	216.673
Hg	202	1	He	0.015660	51.8	163.337
Tl	205	1	He	-0.000476		625.020
Pb	206	1	He	0.061494	9.0	1023.380
Pb	207	1	He	0.048193	31.0	1438.413
Pb	208	1	He	0.055751	6.6	4450.267
Bi	209	1	He	0.007848	40.3	1723.463
Th	232	1	He	0.009375	23.4	670.020
U	238	1	He	0.014931	4.0	1088.383

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.55472112	837223.100
Sc	45	2	H2	76.39467605	5120102.333
Ge	72	1	He	75.14549360	508841.290
Ge	72	2	H2	77.22880449	1400817.373
In	115	1	He	76.61469585	5584746.637
Tb	159	1	He	82.21344575	13312181.467
Ir	193	1	He	79.77448352	6236148.450

Sample Name	10607799013_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	242SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:40:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.479471	4.6	354.333
Be	9	2	H2	0.007701	79.8	9.167
B	11	2	H2	0.752984	38.6	2840.267
Na	23	1	He	775.689363	1.1	1216119.123
Mg	24	1	He	2519.894875	1.0	2171848.717
Al	27	1	He	1.728842	4.7	1006.697
Si	28	2	H2	267.157117	5.4	979863.250
K	39	1	He	117.414117	1.3	255152.647
Ca	43	1	He	1327.886150	2.1	5235.450
Ca	44	1	He	1373.525073	1.9	90689.140
Ti	47	1	He	0.015938	18.0	9.333
V	51	1	He	-0.091650		-2339.037
Cr	52	1	He	0.078163	5.7	1388.723
Mn	55	1	He	2.877507	3.3	26741.063
Fe	56	1	He	14.820654	1.2	175865.073
Co	59	1	He	0.014546	3.5	335.333
Ni	60	1	He	-0.125328		173.333
Cu	63	1	He	0.013230	21.7	402.010
Zn	66	1	He	0.159988	9.3	542.010
As	75	1	He	0.022047	56.1	259.000
Se	78	2	H2	0.003882	215.9	18.000
Sr	88	1	He	3.121193	1.2	50736.413
Mo	95	1	He	0.013316	24.5	110.000
Pd	105	1	He	0.004561	68.1	76.667
Ag	107	1	He	1.273802	82.1	26978.277
Cd	111	1	He	0.002282	84.9	11.630
Sn	118	1	He	0.131818	4.4	1501.743
Sb	121	1	He	0.013226	18.8	256.673
Ba	138	1	He	0.838584	0.9	28093.430
Pt	195	1	He	0.004261	32.5	130.000
Hg	202	1	He	0.003838	151.0	90.003
Tl	205	1	He	-0.007855		293.340
Pb	206	1	He	0.005554	41.4	166.667
Pb	207	1	He	0.002022	436.3	851.700
Pb	208	1	He	0.003937	39.9	1323.373
Bi	209	1	He	-0.002011		1260.080
Th	232	1	He	0.002672	43.9	230.003
U	238	1	He	0.001602	21.8	186.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	78.22398343	855478.603
Sc	45	2	H2	78.47702100	5259664.667
Ge	72	1	He	76.96133821	521137.127
Ge	72	2	H2	79.62152364	1444217.793
In	115	1	He	80.36858156	5858382.137
Tb	159	1	He	82.55391792	13367311.467
Ir	193	1	He	81.77027185	6392163.653

Sample Name	10607799014_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	243SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:43:51
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.394299	3.6	2050.447
Be	9	2	H2	0.021821	29.5	15.667
B	11	2	H2	12.357168	15.2	8815.597
Na	23	1	He	5905.717926	1.0	8744912.993
Mg	24	1	He	46121.83732	1.4	37881172.770
Al	27	1	He	45.747436	3.2	20541.627
Si	28	2	H2	7209.950337	7.2	24646619.333
K	39	1	He	1036.644774	0.2	1367688.677
Ca	43	1	He	121231.0274	0.7	455326.197
Ca	44	1	He	123354.3358	1.4	7758904.030
Ti	47	1	He	0.694457	14.5	282.670
V	51	1	He	1.414362	4.7	12132.943
Cr	52	1	He	1.357092	4.2	15911.027
Mn	55	1	He	175.864902	0.6	1515785.747
Fe	56	1	He	187.004368	1.5	1962828.873
Co	59	1	He	0.256454	1.3	4271.187
Ni	60	1	He	16.074254	0.6	64975.623
Cu	63	1	He	0.292758	1.2	3261.643
Zn	66	1	He	31.684508	1.9	67502.103
As	75	1	He	5.325264	1.8	9475.843
Se	78	2	H2	0.189234	8.4	179.000
Sr	88	1	He	159.767017	0.9	2421668.037
Mo	95	1	He	23.397373	0.5	150756.443
Pd	105	1	He	0.028176	24.4	300.010
Ag	107	1	He	1.401705	80.5	27620.840
Cd	111	1	He	0.016980	28.4	64.777
Sn	118	1	He	2.378049	2.5	23047.217
Sb	121	1	He	3.484451	0.7	43879.550
Ba	138	1	He	43.436297	1.8	1406712.117
Pt	195	1	He	0.010115	13.9	196.673
Hg	202	1	He	0.010326	94.0	126.667
Tl	205	1	He	0.133019	9.3	6484.717
Pb	206	1	He	0.133384	1.8	2073.490
Pb	207	1	He	0.113099	4.1	2213.507
Pb	208	1	He	0.122896	1.1	8300.880
Bi	209	1	He	-0.000079		1313.423
Th	232	1	He	0.032575	4.9	2173.507
U	238	1	He	12.527251	1.0	837083.163

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.63101953	816184.980
Sc	45	2	H2	73.80170307	4946316.833
Ge	72	1	He	72.70513743	492316.627
Ge	72	2	H2	74.48719903	1351088.667
In	115	1	He	75.21237213	5482525.743
Tb	159	1	He	80.17013934	12981324.810
Ir	193	1	He	78.38519787	6127544.907

Sample Name	10607799014_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	244SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:47:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.164964	5.9	154.667
Be	9	2	H2	0.007029	79.0	8.667
B	11	2	H2	0.674281	60.1	2753.590
Na	23	1	He	247.754297	30.9	437190.163
Mg	24	1	He	1914.390280	30.0	1812950.440
Al	27	1	He	2.830732	32.8	1673.747
Si	28	2	H2	328.657923	8.7	1184137.937
K	39	1	He	49.759256	70.0	186157.150
Ca	43	1	He	4899.499549	30.2	21176.710
Ca	44	1	He	4998.607950	30.6	361522.517
Ti	47	1	He	0.032994	99.5	16.667
V	51	1	He	0.132347	66.7	-168.720
Cr	52	1	He	0.102714	44.6	1837.437
Mn	55	1	He	6.948563	29.9	69773.187
Fe	56	1	He	7.992098	34.7	111182.457
Co	59	1	He	0.010892	59.6	292.000
Ni	60	1	He	0.523583	41.9	3199.630
Cu	63	1	He	0.016777	82.5	483.343
Zn	66	1	He	1.314974	33.7	3440.343
As	75	1	He	0.200674	50.3	644.510
Se	78	2	H2	0.013283	43.9	26.333
Sr	88	1	He	6.178220	29.0	110035.080
Mo	95	1	He	0.935295	34.8	6978.137
Pd	105	1	He	0.002898	60.0	66.667
Ag	107	1	He	1.317390	117.5	28396.953
Cd	111	1	He	0.005708	117.5	26.243
Sn	118	1	He	0.195552	28.5	2380.187
Sb	121	1	He	0.138696	34.5	2115.160
Ba	138	1	He	1.746424	30.9	64247.420
Pt	195	1	He	0.003101	72.7	130.000
Hg	202	1	He	0.014432	36.8	186.670
Tl	205	1	He	-0.000376		708.357
Pb	206	1	He	0.006064	45.1	195.000
Pb	207	1	He	-0.002937		898.370
Pb	208	1	He	0.003970	109.8	1491.713
Bi	209	1	He	-0.002096		1436.770
Th	232	1	He	0.004464	21.0	400.010
U	238	1	He	0.491449	30.7	37313.233

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.03168081	995547.040
Sc	45	2	H2	77.21445014	5175045.000
Ge	72	1	He	89.99071474	609364.437
Ge	72	2	H2	78.19722632	1418383.127
In	115	1	He	93.10320730	6786659.113
Tb	159	1	He	96.22553289	15581049.350
Ir	193	1	He	94.03322247	7350785.723

Sample Name	10607799015_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	245SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:50:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	10.355343	3.6	5884.420
Be	9	2	H2	0.018695	49.6	13.667
B	11	2	H2	7.555271	5.5	5987.803
Na	23	1	He	12867.24836	1.8	18469409.307
Mg	24	1	He	81066.90656	2.0	64593007.370
Al	27	1	He	11.240899	0.8	5037.023
Si	28	2	H2	288.965341	7.9	953666.520
K	39	1	He	2404.021029	1.2	2949601.100
Ca	43	1	He	244942.1159	1.1	892599.083
Ca	44	1	He	249278.3316	2.2	15211129.890
Ti	47	1	He	0.494258	74.8	194.693
V	51	1	He	0.037815	219.5	-975.750
Cr	52	1	He	0.218607	3.3	2840.237
Mn	55	1	He	4646.483524	1.5	38836693.333
Fe	56	1	He	30471.77146	1.4	308222826.667
Co	59	1	He	0.654879	2.5	10361.667
Ni	60	1	He	0.411042	4.7	2218.817
Cu	63	1	He	0.289023	4.8	3096.277
Zn	66	1	He	2.371397	2.1	5008.050
As	75	1	He	0.226792	1.4	577.677
Se	78	2	H2	0.092986	20.4	92.333
Sr	88	1	He	544.671404	1.8	8042258.007
Mo	95	1	He	0.274687	7.9	1716.770
Pd	105	1	He	0.081728	14.0	796.700
Ag	107	1	He	2.090906	82.1	40127.000
Cd	111	1	He	0.024329	19.3	89.483
Sn	118	1	He	0.063751	17.9	730.027
Sb	121	1	He	0.042555	2.0	593.353
Ba	138	1	He	18.444145	0.5	593114.210
Pt	195	1	He	0.008814	42.3	180.007
Hg	202	1	He	0.013196	13.4	143.333
Tl	205	1	He	-0.002581		513.347
Pb	206	1	He	0.035470	10.6	605.020
Pb	207	1	He	0.024908	37.8	1105.050
Pb	208	1	He	0.034659	4.3	3075.140
Bi	209	1	He	0.002964	160.3	1443.437
Th	232	1	He	0.012341	19.1	840.033
U	238	1	He	0.014616	5.5	1033.377

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.41655488	791966.997
Sc	45	2	H2	70.57215534	4729867.000
Ge	72	1	He	69.87066813	473123.260
Ge	72	2	H2	72.60980099	1317035.417
In	115	1	He	73.27936375	5341621.157
Tb	159	1	He	79.60098481	12889166.060
Ir	193	1	He	77.24387707	6038325.327

Sample Name	10607799015_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	246SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:54:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.553680	7.0	389.670
Be	9	2	H2	0.010382	27.0	10.333
B	11	2	H2	-0.182876		2250.180
Na	23	1	He	652.959639	0.7	993226.910
Mg	24	1	He	4176.782212	0.8	3483312.240
Al	27	1	He	1.830094	2.9	1020.363
Si	28	2	H2	16.320448	5.5	67277.823
K	39	1	He	138.131562	0.6	272734.410
Ca	43	1	He	12347.76879	0.4	47067.113
Ca	44	1	He	12758.33518	0.2	814397.033
Ti	47	1	He	0.029692	9.7	14.667
V	51	1	He	0.011744	353.5	-1266.890
Cr	52	1	He	0.030874	17.6	797.353
Mn	55	1	He	239.460767	0.4	2093978.250
Fe	56	1	He	1584.845540	0.4	16778580.667
Co	59	1	He	0.029517	5.3	577.343
Ni	60	1	He	-0.109350		234.000
Cu	63	1	He	0.041239	11.1	687.350
Zn	66	1	He	0.800675	7.2	1926.777
As	75	1	He	-0.021014		174.667
Se	78	2	H2	0.000841	1087.1	14.667
Sr	88	1	He	26.130094	0.4	416592.833
Mo	95	1	He	0.015305	31.4	120.000
Pd	105	1	He	0.008951	48.3	120.000
Ag	107	1	He	1.014186	81.9	21264.377
Cd	111	1	He	0.000606	0.8	4.963
Sn	118	1	He	0.114613	11.1	1303.397
Sb	121	1	He	0.003828	15.7	128.333
Ba	138	1	He	0.943919	2.2	31544.430
Pt	195	1	He	-0.000302		73.333
Hg	202	1	He	0.004914	178.5	96.667
Tl	205	1	He	-0.010423		176.667
Pb	206	1	He	0.008932	39.7	218.337
Pb	207	1	He	-0.002251		795.027
Pb	208	1	He	0.004753	19.8	1370.040
Bi	209	1	He	-0.002508		1233.407
Th	232	1	He	0.001773	69.3	168.333
U	238	1	He	0.000480	43.8	108.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.72953148	828198.603
Sc	45	2	H2	76.26918439	5111691.667
Ge	72	1	He	74.76567242	506269.363
Ge	72	2	H2	77.25275681	1401251.833
In	115	1	He	79.08178108	5764582.187
Tb	159	1	He	82.39550850	13341661.467
Ir	193	1	He	81.67797563	6384948.653

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	247_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:58:08
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	-0.055206		32.667
Be	9	2	H2	-0.003607		5.167
B	11	2	H2	-1.050024		3063.653
Na	23	1	He	-3.891166		22352.057
Mg	24	1	He	-1.329282		4567.550
Al	27	1	He	0.642833	71.6	1380.127
Si	28	2	H2	11.242327	46.0	83031.480
K	39	1	He	-55.541613		91635.260
Ca	43	1	He	3.572044	100.8	59.027
Ca	44	1	He	3.793184	107.7	1032.463
Ti	47	1	He	0.360029	155.4	515.923
V	51	1	He	0.136954	10.1	-201.710
Cr	52	1	He	-0.030146		251.333
Mn	55	1	He	0.005300	621.5	2222.840
Fe	56	1	He	-0.232104		31168.473
Co	59	1	He	-0.004255		26.667
Ni	60	1	He	-0.153182		152.667
Cu	63	1	He	-0.012199		292.670
Zn	66	1	He	-0.067305		90.667
As	75	1	He	-0.101438		92.333
Se	78	2	H2	-0.005587		15.667
Sr	88	1	He	0.001823	442.1	578.363
Mo	95	1	He	-0.000968		33.333
Pd	105	1	He	0.003322	60.6	176.673
Ag	107	1	He	0.076973	161.9	5462.533
Cd	111	1	He	-0.000214		4.993
Sn	118	1	He	0.009888	9.6	726.697
Sb	121	1	He	-0.000205		208.333
Ba	138	1	He	0.004669	160.8	740.260
Pt	195	1	He	0.001386	110.3	273.343
Hg	202	1	He	0.021935	47.9	573.357
Tl	205	1	He	-0.011925		305.007
Pb	206	1	He	-0.002251		125.000
Pb	207	1	He	-0.033364		1111.733
Pb	208	1	He	-0.008845		1506.737
Bi	209	1	He	-0.015208		1846.867
Th	232	1	He	0.011190	100.0	2670.363
U	238	1	He	-0.000086		205.003

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	230.2237990	2517789.627
Sc	45	2	H2	132.8244103	8902120.000
Ge	72	1	He	232.8134081	1576476.103
Ge	72	2	H2	137.9102235	2501489.417
In	115	1	He	235.2753676	17150147.287
Tb	159	1	He	247.4104962	40061250.237
Ir	193	1	He	252.6358068	19749101.787

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	248_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:01:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.021079	32.0	65.667
Be	9	2	H2	0.011233	18.9	10.833
B	11	2	H2	-0.611623		2033.480
Na	23	1	He	7.301065	3.2	24349.420
Mg	24	1	He	-2.116884		953.367
Al	27	1	He	0.887072	4.5	588.010
Si	28	2	H2	0.638042	206.5	11963.193
K	39	1	He	19.863936	13.3	124526.227
Ca	43	1	He	1.524307	74.9	13.910
Ca	44	1	He	0.763200	106.4	189.813
Ti	47	1	He	0.010290	24.9	6.667
V	51	1	He	0.044258	259.3	-957.007
Cr	52	1	He	-0.005571		372.007
Mn	55	1	He	-0.022331		537.360
Fe	56	1	He	0.155814	14.6	14960.867
Co	59	1	He	-0.001377		57.333
Ni	60	1	He	-0.141582		100.000
Cu	63	1	He	-0.000716		239.333
Zn	66	1	He	0.011004	101.2	198.667
As	75	1	He	-0.006024		198.833
Se	78	2	H2	0.008654	69.6	22.000
Sr	88	1	He	0.002217	136.2	220.003
Mo	95	1	He	0.004816	56.1	50.000
Pd	105	1	He	0.004041	84.9	70.000
Ag	107	1	He	0.872412	77.0	18492.610
Cd	111	1	He	0.001877	179.8	9.983
Sn	118	1	He	0.023930	28.9	383.343
Sb	121	1	He	0.009229	21.5	198.333
Ba	138	1	He	0.002834	60.8	225.003
Pt	195	1	He	0.006502	74.3	156.670
Hg	202	1	He	0.013933	107.0	150.003
Tl	205	1	He	-0.009371		221.667
Pb	206	1	He	0.000431	251.1	86.667
Pb	207	1	He	0.000988	574.8	830.030
Pb	208	1	He	0.000949	117.8	1130.030
Bi	209	1	He	-0.003677		1170.067
Th	232	1	He	0.003539	72.2	290.003
U	238	1	He	0.001863	67.5	205.003

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.89645525	819087.857
Sc	45	2	H2	76.75493241	5144247.333
Ge	72	1	He	73.77202725	499540.980
Ge	72	2	H2	78.09704366	1416565.960
In	115	1	He	78.58633707	5728467.323
Tb	159	1	He	81.60222114	13213210.637
Ir	193	1	He	81.50563180	6371476.153

Sample Name	10607799016_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	249SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:05:17
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	10.611330	4.4	6596.823
Be	9	2	H2	0.006837	89.5	8.500
B	11	2	H2	17.474810	6.4	12040.777
Na	23	1	He	7279.072223	0.7	11095303.167
Mg	24	1	He	20214.95806	0.5	17097498.497
Al	27	1	He	9.104261	2.3	4366.853
Si	28	2	H2	7172.860708	6.3	25656580.667
K	39	1	He	844.328130	0.2	1166163.447
Ca	43	1	He	45625.67425	0.3	176464.470
Ca	44	1	He	46895.30309	0.9	3037310.407
Ti	47	1	He	0.183384	18.3	78.667
V	51	1	He	0.398188	22.2	2512.717
Cr	52	1	He	0.597016	1.3	7456.887
Mn	55	1	He	0.941650	1.6	9100.990
Fe	56	1	He	15.636717	1.3	181535.380
Co	59	1	He	0.320305	1.4	5475.513
Ni	60	1	He	0.095751	10.5	1080.037
Cu	63	1	He	0.286581	0.5	3294.980
Zn	66	1	He	2.600486	1.2	5870.980
As	75	1	He	0.606986	2.1	1301.383
Se	78	2	H2	0.577622	2.3	541.010
Sr	88	1	He	146.538282	0.2	2314529.237
Mo	95	1	He	0.157339	7.4	1063.377
Pd	105	1	He	0.024279	21.2	273.343
Ag	107	1	He	1.189990	81.8	24712.987
Cd	111	1	He	0.032753	26.5	128.017
Sn	118	1	He	0.050906	21.0	651.690
Sb	121	1	He	0.157099	0.4	2135.157
Ba	138	1	He	9.190436	1.1	305871.863
Pt	195	1	He	0.003227	145.7	116.667
Hg	202	1	He	0.004936	20.7	96.667
Tl	205	1	He	-0.009389		223.333
Pb	206	1	He	0.042917	11.8	740.027
Pb	207	1	He	0.034598	26.1	1266.733
Pb	208	1	He	0.041588	7.0	3600.190
Bi	209	1	He	-0.003215		1200.067
Th	232	1	He	0.005244	17.1	398.343
U	238	1	He	0.261622	2.4	18012.127

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.85017987	840454.317
Sc	45	2	H2	77.22057253	5175455.333
Ge	72	1	He	74.90882468	507238.707
Ge	72	2	H2	77.72207310	1409764.543
In	115	1	He	78.37492653	5713056.777
Tb	159	1	He	82.36569480	13336833.967
Ir	193	1	He	80.44310604	6288416.157

Sample Name	10607799016_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	250SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:08:51
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.525526	3.6	382.333
Be	9	2	H2	0.006408	34.3	8.500
B	11	2	H2	-0.090273		2363.517
Na	23	1	He	378.398350	4.7	586881.307
Mg	24	1	He	1047.767392	4.8	884152.380
Al	27	1	He	1.853404	10.6	1039.697
Si	28	2	H2	365.114288	6.1	1332299.087
K	39	1	He	69.424572	11.1	189227.803
Ca	43	1	He	2343.798224	4.6	9026.117
Ca	44	1	He	2419.315874	5.3	155993.000
Ti	47	1	He	0.027732	5.0	14.000
V	51	1	He	0.038903	145.0	-1026.197
Cr	52	1	He	0.060336	9.9	1148.707
Mn	55	1	He	0.011041	46.9	841.353
Fe	56	1	He	1.409741	8.2	28666.673
Co	59	1	He	0.015108	22.4	335.337
Ni	60	1	He	-0.124987		170.000
Cu	63	1	He	0.064091	6.8	930.030
Zn	66	1	He	0.218739	6.5	655.343
As	75	1	He	0.029702	40.7	266.333
Se	78	2	H2	0.021446	29.0	34.333
Sr	88	1	He	7.255472	4.1	114962.833
Mo	95	1	He	0.008975	24.1	78.333
Pd	105	1	He	0.003041	80.6	60.000
Ag	107	1	He	1.019086	81.2	21578.653
Cd	111	1	He	0.005470	54.7	23.310
Sn	118	1	He	0.107921	10.5	1225.053
Sb	121	1	He	0.009354	10.7	200.000
Ba	138	1	He	0.483364	5.2	15867.553
Pt	195	1	He	-0.000958		63.333
Hg	202	1	He	0.005318	49.2	96.667
Tl	205	1	He	-0.011569		123.333
Pb	206	1	He	0.007793	2.2	196.667
Pb	207	1	He	-0.004243		751.693
Pb	208	1	He	0.004842	43.8	1345.037
Bi	209	1	He	-0.003814		1146.733
Th	232	1	He	0.001447	24.3	143.333
U	238	1	He	0.013160	7.4	968.373

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.54273897	837092.060
Sc	45	2	H2	78.29395099	5247395.000
Ge	72	1	He	74.89078069	507116.523
Ge	72	2	H2	79.58317067	1443522.127
In	115	1	He	78.57886434	5727922.607
Tb	159	1	He	80.73187771	13072282.720
Ir	193	1	He	79.81490444	6239308.243

Sample Name	10607799017_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	251SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:12:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.339772	4.1	3520.500
Be	9	2	H2	0.010497	59.6	9.333
B	11	2	H2	14.637706	4.8	9292.517
Na	23	1	He	9489.236893	1.4	13586438.550
Mg	24	1	He	85205.41052	1.4	67703298.993
Al	27	1	He	9.555677	3.3	4297.180
Si	28	2	H2	6068.995579	6.2	19285558.000
K	39	1	He	2568.454471	1.9	3135788.077
Ca	43	1	He	238360.9187	1.0	866189.203
Ca	44	1	He	242101.9775	1.4	14732586.877
Ti	47	1	He	0.417754	6.5	165.333
V	51	1	He	2.703714	2.4	23636.133
Cr	52	1	He	0.953723	0.6	10942.657
Mn	55	1	He	2233.093119	0.9	18613777.333
Fe	56	1	He	1008.636132	2.0	10185927.333
Co	59	1	He	2.653884	0.2	41531.560
Ni	60	1	He	69.773329	0.6	267409.283
Cu	63	1	He	0.309773	3.9	3284.980
Zn	66	1	He	56.794134	0.8	115507.077
As	75	1	He	14.805116	0.3	24826.857
Se	78	2	H2	79.505233	1.1	65324.597
Sr	88	1	He	422.502588	0.5	6210910.533
Mo	95	1	He	0.971770	7.1	5999.413
Pd	105	1	He	0.065692	14.3	643.360
Ag	107	1	He	0.164916	24.2	3762.133
Cd	111	1	He	0.163690	12.2	584.883
Sn	118	1	He	0.051220	11.1	610.017
Sb	121	1	He	0.300881	5.2	3740.440
Ba	138	1	He	37.185660	0.7	1172183.030
Pt	195	1	He	0.010541	39.3	196.673
Hg	202	1	He	0.004081	185.9	86.667
Tl	205	1	He	0.014025	12.7	1215.057
Pb	206	1	He	0.029437	33.8	505.017
Pb	207	1	He	0.018218	28.6	1001.710
Pb	208	1	He	0.027103	17.3	2580.107
Bi	209	1	He	0.004178	119.1	1470.103
Th	232	1	He	0.009195	15.1	628.353
U	238	1	He	1.548708	1.4	100691.627

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.21295712	789740.397
Sc	45	2	H2	68.57891086	4596276.333
Ge	72	1	He	69.48031346	470480.007
Ge	72	2	H2	69.97098773	1269171.210
In	115	1	He	72.94676361	5317376.623
Tb	159	1	He	78.03900004	12636246.060
Ir	193	1	He	76.22321930	5958538.243

Sample Name	10607799017_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	252SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:16:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.331794	4.1	252.667
Be	9	2	H2	0.004697	37.9	7.333
B	11	2	H2	-0.057250		2310.193
Na	23	1	He	478.807465	0.9	724623.400
Mg	24	1	He	4327.650225	1.7	3572812.237
Al	27	1	He	1.739891	7.1	969.030
Si	28	2	H2	306.247496	6.5	1082784.980
K	39	1	He	147.483745	2.6	281457.603
Ca	43	1	He	11754.60125	1.8	44357.490
Ca	44	1	He	12133.75946	1.2	766762.047
Ti	47	1	He	0.028539	33.0	14.000
V	51	1	He	0.031677	377.3	-1080.170
Cr	52	1	He	0.057956	9.0	1100.040
Mn	55	1	He	111.720737	2.0	967614.333
Fe	56	1	He	51.378236	1.7	551452.353
Co	59	1	He	0.123370	4.7	2144.137
Ni	60	1	He	3.437152	1.2	14744.710
Cu	63	1	He	0.012843	29.4	384.673
Zn	66	1	He	2.916985	4.1	6513.877
As	75	1	He	0.715661	3.7	1485.397
Se	78	2	H2	3.413646	2.9	3097.940
Sr	88	1	He	19.920705	0.6	313969.880
Mo	95	1	He	0.038277	28.0	270.003
Pd	105	1	He	0.005052	118.4	80.000
Ag	107	1	He	2.304411	86.7	46607.827
Cd	111	1	He	0.012909	63.0	51.587
Sn	118	1	He	0.102413	6.4	1166.720
Sb	121	1	He	0.014402	15.8	265.003
Ba	138	1	He	1.851792	1.1	61428.000
Pt	195	1	He	0.002183	59.6	103.333
Hg	202	1	He	0.002341	74.2	80.000
Tl	205	1	He	-0.010027		193.333
Pb	206	1	He	0.001506	96.1	103.333
Pb	207	1	He	-0.006041		741.690
Pb	208	1	He	0.000408	293.9	1100.027
Bi	209	1	He	-0.002656		1220.067
Th	232	1	He	0.000782	42.4	100.000
U	238	1	He	0.072270	3.4	5054.200

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.97551938	819952.523
Sc	45	2	H2	75.70201748	5073679.167
Ge	72	1	He	74.35477748	503487.023
Ge	72	2	H2	76.94248515	1395623.960
In	115	1	He	78.16162995	5697508.750
Tb	159	1	He	81.94433247	13268606.053
Ir	193	1	He	80.86040582	6321037.407

Sample Name	10607799018_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	253SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:19:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.116879	3.0	2837.217
Be	9	2	H2	0.031279	31.1	19.000
B	11	2	H2	91.935645	5.3	47053.083
Na	23	1	He	11078.19091	0.8	15717105.183
Mg	24	1	He	132658.0151	1.6	104460918.443
Al	27	1	He	65.549295	1.7	28138.237
Si	28	2	H2	5179.776039	5.9	16392132.000
K	39	1	He	2260.720069	1.0	2746879.437
Ca	43	1	He	276608.4692	1.1	996134.833
Ca	44	1	He	281106.8489	2.0	16952461.750
Ti	47	1	He	0.193905	9.7	77.333
V	51	1	He	11.799404	2.3	106623.387
Cr	52	1	He	1.416309	1.2	15900.980
Mn	55	1	He	947.384893	1.5	7826196.333
Fe	56	1	He	4454.064572	1.8	44534664.000
Co	59	1	He	9.329587	1.3	143450.433
Ni	60	1	He	585.166059	2.4	2201570.333
Cu	63	1	He	1.311431	1.3	12941.337
Zn	66	1	He	4007.019856	2.4	8005633.000
As	75	1	He	2.773516	1.7	4733.130
Se	78	2	H2	512.173416	1.8	420244.540
Sr	88	1	He	537.997227	0.5	7771749.677
Mo	95	1	He	1.266571	2.4	7688.440
Pd	105	1	He	0.082093	9.4	783.373
Ag	107	1	He	1.224086	82.9	23106.507
Cd	111	1	He	2.160294	3.8	7557.750
Sn	118	1	He	0.071079	8.8	781.690
Sb	121	1	He	0.374853	1.4	4562.320
Ba	138	1	He	34.756160	0.9	1093421.703
Pt	195	1	He	0.008591	20.5	173.337
Hg	202	1	He	0.010340	50.1	123.333
Tl	205	1	He	1.403446	1.9	60636.090
Pb	206	1	He	0.055993	15.1	890.037
Pb	207	1	He	0.039125	27.1	1253.393
Pb	208	1	He	0.051647	9.2	3981.893
Bi	209	1	He	0.001930	278.9	1366.760
Th	232	1	He	0.008427	19.2	570.017
U	238	1	He	0.430769	2.6	27567.817

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.56021690	782601.853
Sc	45	2	H2	68.31011739	4578261.333
Ge	72	1	He	68.35981198	462892.627
Ge	72	2	H2	69.89283441	1267753.623
In	115	1	He	71.68457812	5225370.957
Tb	159	1	He	77.88264408	12610928.560
Ir	193	1	He	74.89335911	5854580.120

Sample Name	10607799018_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	254SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:23:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.260930	6.2	212.167
Be	9	2	H2	0.000682	394.3	5.333
B	11	2	H2	4.759114	12.7	4967.430
Na	23	1	He	567.657329	1.0	877330.690
Mg	24	1	He	6799.363403	0.1	5748071.790
Al	27	1	He	4.523598	2.0	2267.480
Si	28	2	H2	280.395919	6.2	1002708.730
K	39	1	He	130.165351	0.4	266523.237
Ca	43	1	He	13838.06372	0.2	53484.863
Ca	44	1	He	14354.50218	0.6	929094.943
Ti	47	1	He	0.014702	49.3	8.667
V	51	1	He	0.448865	19.6	3008.313
Cr	52	1	He	0.114158	4.1	1785.427
Mn	55	1	He	48.039152	0.5	426566.593
Fe	56	1	He	232.266771	0.7	2505131.667
Co	59	1	He	0.474003	1.4	8094.493
Ni	60	1	He	30.046389	1.5	125006.250
Cu	63	1	He	0.096140	2.9	1276.717
Zn	66	1	He	206.345986	1.5	453677.010
As	75	1	He	0.150860	10.1	485.010
Se	78	2	H2	22.752564	0.8	20671.653
Sr	88	1	He	25.621752	0.8	411729.577
Mo	95	1	He	0.057215	3.6	400.010
Pd	105	1	He	0.002667	104.7	56.667
Ag	107	1	He	1.042254	85.3	21964.737
Cd	111	1	He	0.105536	10.0	413.223
Sn	118	1	He	0.095453	10.5	1118.380
Sb	121	1	He	0.022267	11.8	375.010
Ba	138	1	He	1.799402	0.2	60705.390
Pt	195	1	He	0.005515	86.1	146.670
Hg	202	1	He	0.004711	133.6	96.667
Tl	205	1	He	0.062689	3.2	3525.420
Pb	206	1	He	0.007380	37.5	196.667
Pb	207	1	He	0.003315	72.9	876.700
Pb	208	1	He	0.006771	13.9	1510.043
Bi	209	1	He	-0.000602		1340.087
Th	232	1	He	0.001143	77.1	126.667
U	238	1	He	0.020457	0.8	1516.760

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.78856106	839780.437
Sc	45	2	H2	76.53365339	5129416.833
Ge	72	1	He	75.18967294	509140.447
Ge	72	2	H2	77.34102873	1402852.957
In	115	1	He	79.70549891	5810047.433
Tb	159	1	He	83.34444678	13495315.633
Ir	193	1	He	82.63268393	6459580.320

Sample Name	10607799019_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	255SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:26:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.506043	3.1	3122.427
Be	9	2	H2	0.014003	36.5	11.167
B	11	2	H2	21.232908	7.9	12777.997
Na	23	1	He	11531.62335	1.0	16926414.750
Mg	24	1	He	63819.12440	1.8	51993387.557
Al	27	1	He	15.872012	1.7	7194.070
Si	28	2	H2	6053.320923	5.9	19616680.667
K	39	1	He	3012.778177	0.8	3754587.757
Ca	43	1	He	226930.1856	1.0	845539.820
Ca	44	1	He	229293.7335	1.2	14306795.703
Ti	47	1	He	0.202368	21.6	83.333
V	51	1	He	0.617781	9.3	4493.643
Cr	52	1	He	0.447347	2.6	5491.517
Mn	55	1	He	842.410845	1.5	7199847.167
Fe	56	1	He	169.747234	1.5	1768667.457
Co	59	1	He	1.329721	1.0	21378.643
Ni	60	1	He	131.917689	0.7	517898.770
Cu	63	1	He	0.514663	2.2	5438.843
Zn	66	1	He	445.460660	1.4	927888.960
As	75	1	He	1.092117	3.0	2065.620
Se	78	2	H2	180.823269	1.3	151603.453
Sr	88	1	He	507.040649	0.9	7633744.470
Mo	95	1	He	0.729481	0.3	4623.983
Pd	105	1	He	0.080457	14.4	800.033
Ag	107	1	He	1.393198	79.5	27493.700
Cd	111	1	He	1.234939	1.3	4504.250
Sn	118	1	He	0.100117	15.4	1093.380
Sb	121	1	He	0.226256	5.1	2898.607
Ba	138	1	He	31.565853	0.6	1026372.067
Pt	195	1	He	0.006446	92.4	153.337
Hg	202	1	He	0.006358	80.5	103.333
Tl	205	1	He	0.796832	3.3	35856.857
Pb	206	1	He	0.032803	4.3	571.687
Pb	207	1	He	0.031425	27.4	1198.390
Pb	208	1	He	0.031503	8.7	2921.797
Bi	209	1	He	0.002939	118.6	1460.097
Th	232	1	He	0.005066	27.8	376.677
U	238	1	He	2.170893	2.2	145022.300

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.04340663	809758.687
Sc	45	2	H2	69.92164728	4686268.833
Ge	72	1	He	71.25788591	482516.687
Ge	72	2	H2	71.40326051	1295150.540
In	115	1	He	74.71374258	5446178.673
Tb	159	1	He	80.49357141	13033695.640
Ir	193	1	He	78.32364045	6122732.827

Sample Name	10607799019_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	256SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:30:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.289060	4.1	231.167
Be	9	2	H2	0.002160	215.8	6.167
B	11	2	H2	-0.054044		2350.193
Na	23	1	He	590.950563	1.5	897425.300
Mg	24	1	He	3281.455005	2.7	2728645.377
Al	27	1	He	2.128529	4.0	1151.373
Si	28	2	H2	325.700148	6.4	1172647.080
K	39	1	He	175.146011	1.7	317689.037
Ca	43	1	He	11415.14824	1.0	43378.863
Ca	44	1	He	11742.28123	1.4	747240.070
Ti	47	1	He	0.031365	58.3	15.333
V	51	1	He	0.015323	103.3	-1228.147
Cr	52	1	He	0.053381	13.7	1054.703
Mn	55	1	He	42.758158	1.6	373349.230
Fe	56	1	He	9.150508	1.6	109939.123
Co	59	1	He	0.067338	5.8	1211.380
Ni	60	1	He	6.695066	0.2	28190.017
Cu	63	1	He	0.039680	14.0	670.013
Zn	66	1	He	23.466696	0.8	51389.227
As	75	1	He	0.071443	17.3	339.667
Se	78	2	H2	8.437873	0.4	7760.030
Sr	88	1	He	24.703837	0.1	391231.870
Mo	95	1	He	0.030172	22.6	218.337
Pd	105	1	He	0.005058	51.3	80.000
Ag	107	1	He	1.340070	83.9	27680.337
Cd	111	1	He	0.063637	11.6	246.603
Sn	118	1	He	0.107199	10.2	1220.060
Sb	121	1	He	0.008340	27.3	186.667
Ba	138	1	He	1.586231	1.8	52536.637
Pt	195	1	He	0.001376	180.2	93.333
Hg	202	1	He	0.013097	37.2	146.670
Tl	205	1	He	0.030020	8.1	1991.813
Pb	206	1	He	0.006959	36.2	186.667
Pb	207	1	He	-0.004027		766.693
Pb	208	1	He	0.004775	10.4	1361.703
Bi	209	1	He	-0.001556		1270.073
Th	232	1	He	0.000558	114.1	85.000
U	238	1	He	0.101637	3.9	7101.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.49964872	825684.543
Sc	45	2	H2	77.17207333	5172204.833
Ge	72	1	He	74.66212586	505568.207
Ge	72	2	H2	78.19782578	1418394.000
In	115	1	He	78.55258580	5726007.060
Tb	159	1	He	81.79575286	13244547.717
Ir	193	1	He	81.09812612	6339620.530

Sample Name	10607799020_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	257SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:33:54
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.090143	2.2	2226.630
Be	9	2	H2	0.009045	85.6	8.333
B	11	2	H2	3.166541	29.6	3590.420
Na	23	1	He	9684.046397	2.2	13408070.633
Mg	24	1	He	61543.56506	2.3	47290524.293
Al	27	1	He	7.887511	3.2	3461.330
Si	28	2	H2	50.953007	5.0	166215.010
K	39	1	He	1621.682866	1.8	1949211.010
Ca	43	1	He	261350.6955	1.8	918447.537
Ca	44	1	He	265644.1973	2.2	15632419.563
Ti	47	1	He	0.164007	42.2	64.000
V	51	1	He	0.095567	83.3	-418.810
Cr	52	1	He	0.535776	2.8	6121.733
Mn	55	1	He	7678.208160	1.9	61890345.333
Fe	56	1	He	34217.50867	2.5	333756650.667
Co	59	1	He	0.169840	5.7	2637.537
Ni	60	1	He	0.294050	5.2	1700.753
Cu	63	1	He	0.144050	6.8	1596.077
Zn	66	1	He	1.947468	3.1	3982.460
As	75	1	He	0.343404	8.5	742.517
Se	78	2	H2	0.130264	6.9	117.667
Sr	88	1	He	819.402368	1.3	11801418.570
Mo	95	1	He	0.158761	7.7	961.703
Pd	105	1	He	0.110929	9.0	1046.717
Ag	107	1	He	1.661360	87.7	31180.940
Cd	111	1	He	0.018393	37.7	66.377
Sn	118	1	He	0.056227	4.4	643.353
Sb	121	1	He	0.098109	8.2	1241.720
Ba	138	1	He	33.821732	1.5	1054388.423
Pt	195	1	He	0.009290	23.2	180.003
Hg	202	1	He	0.003694	96.3	83.333
Tl	205	1	He	-0.002692		493.347
Pb	206	1	He	0.034144	24.0	566.680
Pb	207	1	He	0.022083	61.5	1038.383
Pb	208	1	He	0.032074	2.8	2835.127
Bi	209	1	He	0.003440	162.7	1420.097
Th	232	1	He	0.007006	22.7	483.347
U	238	1	He	0.011460	14.2	805.030

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.84109207	763801.040
Sc	45	2	H2	66.83028859	4479080.667
Ge	72	1	He	67.15803010	454754.863
Ge	72	2	H2	68.76051235	1247214.960
In	115	1	He	71.47684232	5210228.277
Tb	159	1	He	77.18355061	12497729.813
Ir	193	1	He	75.30813774	5887004.287

Sample Name	10607799020_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	258SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:37:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.199955	11.7	166.833
Be	9	2	H2	0.002586	149.7	6.000
B	11	2	H2	-1.051272		1703.450
Na	23	1	He	489.945560	0.7	719432.413
Mg	24	1	He	3179.028960	1.5	2548204.910
Al	27	1	He	2.145902	3.6	1117.370
Si	28	2	H2	2.789503	5.6	18733.253
K	39	1	He	99.309395	3.1	215773.273
Ca	43	1	He	13221.76049	1.0	48428.013
Ca	44	1	He	13660.76146	1.0	837920.953
Ti	47	1	He	0.406872	165.0	163.430
V	51	1	He	0.042402	154.2	-932.170
Cr	52	1	He	0.065752	2.8	1154.040
Mn	55	1	He	401.241134	1.1	3371072.667
Fe	56	1	He	1795.733039	1.4	18266277.333
Co	59	1	He	0.006984	1.9	191.333
Ni	60	1	He	-0.109043		226.667
Cu	63	1	He	0.048214	6.0	733.353
Zn	66	1	He	0.306673	2.6	816.020
As	75	1	He	-0.013985		180.333
Se	78	2	H2	0.005746	159.7	18.333
Sr	88	1	He	39.837058	0.6	620398.490
Mo	95	1	He	0.010231	23.2	83.333
Pd	105	1	He	0.007221	49.2	100.000
Ag	107	1	He	1.180413	80.9	24148.287
Cd	111	1	He	0.002852	27.2	13.310
Sn	118	1	He	0.109537	3.8	1223.393
Sb	121	1	He	0.005995	21.5	153.333
Ba	138	1	He	1.691311	0.9	55340.297
Pt	195	1	He	-0.000999		63.333
Hg	202	1	He	0.003045	110.7	83.333
Tl	205	1	He	-0.009671		206.667
Pb	206	1	He	0.006007	52.9	170.000
Pb	207	1	He	-0.008201		705.023
Pb	208	1	He	0.001713	121.6	1163.367
Bi	209	1	He	-0.004302		1126.737
Th	232	1	He	0.001240	54.8	130.000
U	238	1	He	0.000724	24.9	123.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.77265801	795861.437
Sc	45	2	H2	73.11159094	4900064.333
Ge	72	1	He	72.01684845	487655.937
Ge	72	2	H2	73.71984543	1337169.997
In	115	1	He	77.26044798	5631818.050
Tb	159	1	He	80.82309438	13087052.723
Ir	193	1	He	80.36458019	6282277.617

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	259_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:41:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	75.584116	4.9	45508.040
Be	9	2	H2	75.117539	5.1	38533.627
B	11	2	H2	72.610861	5.4	41459.877
Na	23	1	He	2025.162037	1.3	2920447.870
Mg	24	1	He	1997.356853	1.8	1595252.787
Al	27	1	He	1926.794071	1.2	832369.063
Si	28	2	H2	960.706484	5.9	3358130.667
K	39	1	He	2034.631861	1.6	2513287.410
Ca	43	1	He	1938.392853	0.7	7078.370
Ca	44	1	He	1971.924172	2.1	120555.943
Ti	47	1	He	76.445661	0.9	29935.210
V	51	1	He	80.354578	0.5	743105.917
Cr	52	1	He	81.302500	1.3	900626.667
Mn	55	1	He	82.651924	0.7	692170.400
Fe	56	1	He	1021.342587	1.8	10351024.333
Co	59	1	He	81.210080	0.9	1331621.043
Ni	60	1	He	81.597165	0.3	328169.207
Cu	63	1	He	83.608031	0.9	864974.250
Zn	66	1	He	80.134521	0.8	170999.597
As	75	1	He	77.837952	0.8	136126.947
Se	78	2	H2	77.832882	1.1	70025.240
Sr	88	1	He	74.517116	0.4	1129156.470
Mo	95	1	He	81.392457	0.9	526002.597
Pd	105	1	He	77.324902	1.0	747765.953
Ag	107	1	He	40.071761	5.4	773372.800
Cd	111	1	He	77.004178	0.3	282502.260
Sn	118	1	He	76.558304	0.5	737505.170
Sb	121	1	He	74.016604	0.7	930292.150
Ba	138	1	He	77.724466	0.7	2519094.443
Pt	195	1	He	77.593106	0.9	935901.447
Hg	202	1	He	3.560749	1.9	21721.643
Tl	205	1	He	39.609245	0.8	1745861.693
Pb	206	1	He	79.276719	0.4	1186512.690
Pb	207	1	He	82.666515	0.5	1033798.160
Pb	208	1	He	81.091568	0.8	4787081.853
Bi	209	1	He	83.420757	0.8	3875368.797
Th	232	1	He	77.123921	0.5	5137768.987
U	238	1	He	75.203772	0.9	5124237.633

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.48420835	792706.873
Sc	45	2	H2	75.33642951	5049176.833
Ge	72	1	He	72.94030887	493909.070
Ge	72	2	H2	76.63341223	1390017.830
In	115	1	He	75.18413942	5480467.750
Tb	159	1	He	80.24357222	12993215.223
Ir	193	1	He	79.93923996	6249027.827

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	260_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:44:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.021083	87.3	62.833
Be	9	2	H2	0.022648	32.3	16.167
B	11	2	H2	-0.823643		1840.133
Na	23	1	He	5.301265	9.0	20821.813
Mg	24	1	He	-2.100578		943.370
Al	27	1	He	0.991836	8.2	618.343
Si	28	2	H2	-0.064629		9143.723
K	39	1	He	27.564652	1.9	130472.347
Ca	43	1	He	1.883335	38.6	14.817
Ca	44	1	He	2.001998	43.1	261.630
Ti	47	1	He	0.000583	1001.7	2.667
V	51	1	He	0.007373	406.1	-1261.920
Cr	52	1	He	0.000078	7761.9	424.677
Mn	55	1	He	0.023602	29.4	908.693
Fe	56	1	He	0.410606	2.6	17162.143
Co	59	1	He	0.001711	82.5	106.000
Ni	60	1	He	-0.137141		115.333
Cu	63	1	He	0.006821	15.1	310.667
Zn	66	1	He	0.024812	26.1	222.667
As	75	1	He	-0.002462		200.167
Se	78	2	H2	0.022115	35.2	33.000
Sr	88	1	He	0.008800	21.7	315.010
Mo	95	1	He	0.032157	31.6	223.337
Pd	105	1	He	0.010748	70.3	133.337
Ag	107	1	He	1.316051	67.7	26447.067
Cd	111	1	He	0.005097	83.5	21.600
Sn	118	1	He	0.016457	37.4	298.337
Sb	121	1	He	0.012413	43.0	233.337
Ba	138	1	He	0.005953	17.8	316.677
Pt	195	1	He	0.005848	9.0	143.333
Hg	202	1	He	0.017282	39.7	166.670
Tl	205	1	He	0.043812	23.8	2525.233
Pb	206	1	He	0.006140	26.8	168.333
Pb	207	1	He	-0.001693		770.023
Pb	208	1	He	0.003490	49.3	1241.700
Bi	209	1	He	0.004696	49.3	1513.433
Th	232	1	He	0.010089	12.4	711.690
U	238	1	He	0.005794	13.3	463.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.91272709	797393.270
Sc	45	2	H2	73.60107159	4932870.167
Ge	72	1	He	72.02472814	487709.293
Ge	72	2	H2	74.86664900	1357971.333
In	115	1	He	76.38564968	5568050.560
Tb	159	1	He	79.05893434	12801396.060
Ir	193	1	He	79.14487737	6186930.740

Sample Name	4322449_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	261SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:48:15
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.036379	25.0	72.000
Be	9	2	H2	0.035855	28.2	22.667
B	11	2	H2	-0.724053		1883.467
Na	23	1	He	12.683108	1.6	31783.967
Mg	24	1	He	1.299545	13.7	3707.077
Al	27	1	He	5.565869	2.1	2630.527
Si	28	2	H2	2.051031	32.6	16367.923
K	39	1	He	25.066709	5.5	128708.393
Ca	43	1	He	12.399128	16.7	53.877
Ca	44	1	He	13.133691	26.5	953.980
Ti	47	1	He	0.097836	20.0	41.333
V	51	1	He	0.093500	8.5	-462.097
Cr	52	1	He	0.271308	3.0	3479.013
Mn	55	1	He	0.102039	6.3	1583.410
Fe	56	1	He	3.662691	1.5	50767.523
Co	59	1	He	0.021298	8.1	425.343
Ni	60	1	He	-0.103656		249.333
Cu	63	1	He	0.058412	2.2	842.020
Zn	66	1	He	0.859865	5.0	1990.783
As	75	1	He	-0.010081		188.000
Se	78	2	H2	0.009719	129.0	22.000
Sr	88	1	He	0.039462	9.5	795.027
Mo	95	1	He	0.023950	28.5	171.667
Pd	105	1	He	0.002212	199.4	50.000
Ag	107	1	He	1.163466	79.4	23691.997
Cd	111	1	He	0.020167	32.4	78.283
Sn	118	1	He	0.040025	20.4	535.017
Sb	121	1	He	0.003792	77.6	125.000
Ba	138	1	He	0.042224	10.6	1481.747
Pt	195	1	He	0.006338	71.9	150.003
Hg	202	1	He	0.009995	56.2	123.333
Tl	205	1	He	0.013141	10.1	1196.723
Pb	206	1	He	0.028856	5.6	505.010
Pb	207	1	He	0.027595	39.8	1135.057
Pb	208	1	He	0.027289	5.7	2635.110
Bi	209	1	He	0.021782	22.8	2303.557
Th	232	1	He	0.014297	9.0	995.043
U	238	1	He	0.005657	7.4	456.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	73.61165522	805036.937
Sc	45	2	H2	73.48112042	4924830.833
Ge	72	1	He	72.40165234	490261.603
Ge	72	2	H2	74.71588563	1355236.707
In	115	1	He	77.14015868	5623049.690
Tb	159	1	He	79.36893920	12851592.727
Ir	193	1	He	79.60846384	6223170.323

Sample Name	4322450_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	262SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:51:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	102.181140	5.0	59225.033
Be	9	2	H2	102.642211	4.6	50698.337
B	11	2	H2	100.526328	5.2	54402.873
Na	23	1	He	2169.002614	1.4	3133328.390
Mg	24	1	He	2144.697105	1.2	1716417.317
Al	27	1	He	2096.537419	0.5	907547.083
Si	28	2	H2	521.181774	4.3	1757903.750
K	39	1	He	2224.486349	1.3	2744398.813
Ca	43	1	He	2118.953813	1.2	7751.720
Ca	44	1	He	2115.933555	0.4	129635.067
Ti	47	1	He	101.480427	1.2	39817.923
V	51	1	He	108.664392	0.7	1007334.490
Cr	52	1	He	109.497950	0.2	1215333.083
Mn	55	1	He	108.920118	0.5	913723.750
Fe	56	1	He	2192.864350	0.9	22257122.000
Co	59	1	He	110.924190	1.3	1820254.623
Ni	60	1	He	110.186191	0.5	443218.147
Cu	63	1	He	110.963213	0.3	1148785.750
Zn	66	1	He	108.430983	0.8	231498.803
As	75	1	He	105.229277	0.2	184101.540
Se	78	2	H2	103.332283	1.0	89949.770
Sr	88	1	He	101.862912	0.3	1539604.610
Mo	95	1	He	107.498731	0.6	695249.753
Pd	105	1	He	20.573300	0.7	198478.220
Ag	107	1	He	48.406325	4.8	931132.877
Cd	111	1	He	103.098344	1.0	377270.707
Sn	118	1	He	100.885609	0.6	969427.277
Sb	121	1	He	99.207840	0.2	1243713.680
Ba	138	1	He	106.704807	0.4	3384126.300
Pt	195	1	He	20.674688	0.3	244063.463
Hg	202	1	He	0.026413	10.9	220.010
Tl	205	1	He	109.479731	1.1	4721276.803
Pb	206	1	He	110.330320	0.6	1615831.747
Pb	207	1	He	109.475953	0.6	1339435.867
Pb	208	1	He	109.816747	0.4	6343779.333
Bi	209	1	He	112.076529	0.4	5094750.130
Th	232	1	He	109.510919	1.1	7085948.437
U	238	1	He	103.695908	0.9	6862997.813

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.61970580	794188.710
Sc	45	2	H2	72.51455560	4860050.000
Ge	72	1	He	72.98799856	494231.997
Ge	72	2	H2	74.14230495	1344832.793
In	115	1	He	74.99625054	5466771.790
Tb	159	1	He	78.51863884	12713910.227
Ir	193	1	He	77.64215099	6069459.283

Sample Name	10607799001_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	263SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:55:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.955708	8.0	1810.590
Be	9	2	H2	0.039027	17.4	24.667
B	11	2	H2	7.282744	11.4	6181.147
Na	23	1	He	5835.288468	1.7	8459059.873
Mg	24	1	He	6865.050954	2.0	5521981.377
Al	27	1	He	35.583938	1.4	15682.640
Si	28	2	H2	6537.838284	7.8	22557130.000
K	39	1	He	542.285741	0.7	747096.500
Ca	43	1	He	47701.08452	1.2	175407.710
Ca	44	1	He	48566.17738	2.0	2990558.060
Ti	47	1	He	0.553408	40.9	221.343
V	51	1	He	0.483763	10.0	3188.307
Cr	52	1	He	3.192400	1.6	36062.340
Mn	55	1	He	9.470946	1.7	80587.333
Fe	56	1	He	43.019207	1.5	452071.020
Co	59	1	He	0.047521	1.4	841.353
Ni	60	1	He	-0.013235		602.010
Cu	63	1	He	0.134445	1.5	1602.077
Zn	66	1	He	0.916263	2.3	2083.460
As	75	1	He	0.319125	5.1	748.853
Se	78	2	H2	0.303497	3.3	279.000
Sr	88	1	He	95.223939	1.6	1468920.657
Mo	95	1	He	0.726458	4.9	4617.317
Pd	105	1	He	0.012066	57.8	146.670
Ag	107	1	He	2.612760	75.2	52109.033
Cd	111	1	He	0.016351	0.5	63.613
Sn	118	1	He	0.094713	13.9	1066.707
Sb	121	1	He	0.041271	17.8	603.347
Ba	138	1	He	1.982852	1.0	64062.487
Pt	195	1	He	0.009346	86.3	186.670
Hg	202	1	He	0.003801	136.2	86.667
Tl	205	1	He	0.035365	1.0	2178.503
Pb	206	1	He	0.053684	15.5	878.367
Pb	207	1	He	0.047983	1.2	1395.077
Pb	208	1	He	0.052804	2.9	4150.240
Bi	209	1	He	0.009798	38.7	1763.467
Th	232	1	He	0.037238	7.8	2470.227
U	238	1	He	0.589348	1.8	39296.103

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	73.07026679	799116.167
Sc	45	2	H2	74.55506834	4996808.667
Ge	72	1	He	71.48421922	484049.283
Ge	72	2	H2	74.54476983	1352132.917
In	115	1	He	76.54527370	5579686.183
Tb	159	1	He	79.83748984	12927461.473
Ir	193	1	He	78.08727929	6104255.950

Sample Name	4323801_B70203Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	264SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:58:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.642798	5.3	428.007
Be	9	2	H2	0.016456	15.4	13.000
B	11	2	H2	0.901133	35.1	2743.583
Na	23	1	He	1191.865085	1.8	1749984.190
Mg	24	1	He	1390.846792	1.8	1128409.020
Al	27	1	He	8.408967	4.0	3874.413
Si	28	2	H2	1369.322685	5.4	4673089.167
K	39	1	He	127.368568	2.9	251932.717
Ca	43	1	He	9682.675868	1.9	35850.677
Ca	44	1	He	9956.765944	1.3	617386.250
Ti	47	1	He	0.076014	45.1	32.667
V	51	1	He	0.080441	25.8	-582.937
Cr	52	1	He	0.652421	3.0	7760.350
Mn	55	1	He	1.906547	0.9	16905.240
Fe	56	1	He	9.272679	1.8	108373.023
Co	59	1	He	0.007584	17.5	202.667
Ni	60	1	He	-0.116381		199.333
Cu	63	1	He	0.030236	6.6	554.677
Zn	66	1	He	0.250115	10.3	702.683
As	75	1	He	0.052665	19.9	297.833
Se	78	2	H2	0.056125	24.3	62.333
Sr	88	1	He	18.833021	0.7	293311.637
Mo	95	1	He	0.146771	8.5	963.373
Pd	105	1	He	0.006546	78.9	93.333
Ag	107	1	He	1.331777	76.1	27156.923
Cd	111	1	He	0.001882	184.4	9.710
Sn	118	1	He	0.103056	8.4	1158.387
Sb	121	1	He	0.005990	14.5	153.333
Ba	138	1	He	0.395325	2.1	12849.993
Pt	195	1	He	0.001004	260.5	86.667
Hg	202	1	He	0.008280	78.4	113.333
Tl	205	1	He	-0.002021		538.343
Pb	206	1	He	0.007867	21.0	195.000
Pb	207	1	He	0.004239	203.1	848.367
Pb	208	1	He	0.008717	12.4	1556.717
Bi	209	1	He	-0.000873		1266.743
Th	232	1	He	0.009604	19.0	676.690
U	238	1	He	0.119395	2.3	8083.817

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	73.56694345	804547.957
Sc	45	2	H2	73.58579047	4931846.000
Ge	72	1	He	72.64269995	491893.837
Ge	72	2	H2	74.46683024	1350719.207
In	115	1	He	77.24154782	5630440.343
Tb	159	1	He	79.66658471	12899788.140
Ir	193	1	He	78.72781481	6154328.033

Sample Name	4322451_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	265SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:02:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	92.842312	4.6	53593.873
Be	9	2	H2	91.862916	4.6	45186.710
B	11	2	H2	95.446159	4.4	51548.253
Na	23	1	He	7469.732163	2.2	10642858.173
Mg	24	1	He	8360.815702	2.4	6611574.487
Al	27	1	He	1966.995577	2.0	842314.500
Si	28	2	H2	6557.909909	6.3	21930239.333
K	39	1	He	2538.558154	2.4	3084520.370
Ca	43	1	He	46677.43100	2.4	168752.313
Ca	44	1	He	47119.56329	2.6	2852721.393
Ti	47	1	He	94.368775	2.7	36628.000
V	51	1	He	102.445595	2.8	939304.260
Cr	52	1	He	104.433409	2.0	1146646.123
Mn	55	1	He	108.233824	1.9	898200.063
Fe	56	1	He	2046.564373	2.7	20548416.000
Co	59	1	He	101.282856	2.0	1628367.543
Ni	60	1	He	99.777850	1.2	393293.283
Cu	63	1	He	100.446119	1.5	1018853.163
Zn	66	1	He	99.195673	1.5	207510.370
As	75	1	He	98.699304	1.5	169191.203
Se	78	2	H2	92.809938	0.9	79502.413
Sr	88	1	He	186.185089	1.7	2744780.377
Mo	95	1	He	102.208840	1.2	647682.007
Pd	105	1	He	18.906390	1.0	177914.080
Ag	107	1	He	46.370757	6.8	870060.143
Cd	111	1	He	95.733587	0.8	341711.747
Sn	118	1	He	95.119183	0.8	891543.553
Sb	121	1	He	92.880590	0.8	1135769.487
Ba	138	1	He	98.874126	2.1	3119236.513
Pt	195	1	He	18.782261	1.7	220569.690
Hg	202	1	He	0.013626	110.7	143.337
Tl	205	1	He	100.263881	2.0	4301103.477
Pb	206	1	He	99.455088	2.0	1448880.133
Pb	207	1	He	99.094812	0.2	1206166.570
Pb	208	1	He	99.089287	1.3	5694071.137
Bi	209	1	He	101.607604	1.5	4594689.723
Th	232	1	He	102.099919	2.8	6510524.697
U	238	1	He	96.917863	2.8	6321143.657

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.84926640	785762.977
Sc	45	2	H2	72.23261465	4841153.833
Ge	72	1	He	71.51442856	484253.843
Ge	72	2	H2	72.96123051	1323409.833
In	115	1	He	73.15178835	5332321.683
Tb	159	1	He	78.10811502	12647437.310
Ir	193	1	He	76.52924767	5982461.160

Sample Name	4322452_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	266SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:06:04
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	102.043800	4.5	58458.407
Be	9	2	H2	101.543172	4.6	49575.197
B	11	2	H2	107.259621	4.8	57224.707
Na	23	1	He	7809.900901	1.1	11178584.830
Mg	24	1	He	8741.371531	1.3	6944526.353
Al	27	1	He	2111.782390	1.2	908485.850
Si	28	2	H2	6991.213765	6.7	23205426.667
K	39	1	He	2686.873821	0.6	3274387.450
Ca	43	1	He	48951.31872	1.2	177796.203
Ca	44	1	He	49033.79955	0.9	2982466.287
Ti	47	1	He	101.671276	0.9	39646.257
V	51	1	He	110.113153	2.1	1014433.890
Cr	52	1	He	112.307015	1.4	1238774.337
Mn	55	1	He	116.580351	0.6	971900.523
Fe	56	1	He	2205.058268	1.0	22242507.333
Co	59	1	He	107.727369	1.7	1749339.420
Ni	60	1	He	106.720674	1.1	424830.457
Cu	63	1	He	106.846770	1.0	1094655.960
Zn	66	1	He	105.489589	1.2	222880.100
As	75	1	He	104.963831	1.1	181723.340
Se	78	2	H2	101.862461	1.7	86968.733
Sr	88	1	He	193.540163	0.3	2895952.040
Mo	95	1	He	109.694755	0.9	702077.620
Pd	105	1	He	20.105527	1.9	192015.460
Ag	107	1	He	47.726050	5.0	908752.123
Cd	111	1	He	101.185035	0.4	366604.643
Sn	118	1	He	101.120119	1.7	961913.293
Sb	121	1	He	99.289935	2.1	1232220.063
Ba	138	1	He	105.759604	1.3	3323827.243
Pt	195	1	He	20.493657	1.6	239739.097
Hg	202	1	He	0.019975	39.0	180.003
Tl	205	1	He	108.111679	1.4	4620070.557
Pb	206	1	He	108.013237	1.0	1567613.207
Pb	207	1	He	107.607821	1.5	1304685.240
Pb	208	1	He	107.486589	1.0	6153129.647
Bi	209	1	He	108.573954	0.7	4891127.533
Th	232	1	He	108.354545	0.6	6932893.650
U	238	1	He	103.739902	0.5	6789396.567

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.17202665	789292.770
Sc	45	2	H2	71.67918706	4804062.167
Ge	72	1	He	72.23115768	489107.113
Ge	72	2	H2	72.72057583	1319044.710
In	115	1	He	74.25035538	5412400.557
Tb	159	1	He	77.81388420	12599794.810
Ir	193	1	He	76.77695131	6001824.703

Sample Name	10607799001_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	267SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:09:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.165622	7.6	148.333
Be	9	2	H2	0.051866	14.8	30.833
B	11	2	H2	-0.193120		2173.517
Na	23	1	He	296.946745	1.0	443168.783
Mg	24	1	He	347.345182	1.5	282018.647
Al	27	1	He	3.391012	1.1	1664.747
Si	28	2	H2	335.216856	5.2	1153096.877
K	39	1	He	50.743090	2.4	158560.937
Ca	43	1	He	2413.012783	0.1	8884.010
Ca	44	1	He	2474.265949	0.6	152553.657
Ti	47	1	He	0.068041	50.4	29.333
V	51	1	He	0.040690	217.8	-952.817
Cr	52	1	He	0.185143	7.5	2492.847
Mn	55	1	He	0.431448	2.9	4351.873
Fe	56	1	He	2.735681	1.3	40944.130
Co	59	1	He	0.009134	14.6	228.000
Ni	60	1	He	-0.125023		164.667
Cu	63	1	He	0.023863	15.9	488.677
Zn	66	1	He	0.056302	12.4	291.333
As	75	1	He	0.015382	31.8	232.833
Se	78	2	H2	0.042976	14.3	51.000
Sr	88	1	He	4.583901	2.8	71362.287
Mo	95	1	He	0.095881	15.0	635.020
Pd	105	1	He	0.006223	80.9	90.000
Ag	107	1	He	1.720233	71.4	34716.343
Cd	111	1	He	0.008587	107.6	34.810
Sn	118	1	He	0.125905	3.1	1381.733
Sb	121	1	He	0.009517	8.7	198.333
Ba	138	1	He	0.102648	1.9	3423.713
Pt	195	1	He	0.004382	95.9	126.667
Hg	202	1	He	0.005484	122.0	96.667
Tl	205	1	He	0.032971	12.1	2065.153
Pb	206	1	He	0.016421	24.8	321.677
Pb	207	1	He	0.006579	94.0	876.700
Pb	208	1	He	0.012607	9.8	1781.727
Bi	209	1	He	0.007618	41.7	1656.797
Th	232	1	He	0.020929	26.4	1418.420
U	238	1	He	0.037605	8.2	2593.580

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	73.09298935	799364.667
Sc	45	2	H2	73.73559266	4941886.000
Ge	72	1	He	72.60868540	491663.510
Ge	72	2	H2	74.42678437	1349992.833
In	115	1	He	77.06116830	5617291.770
Tb	159	1	He	79.51132497	12874648.143
Ir	193	1	He	78.68689021	6151128.867

Sample Name	4323801_B70203Dx100
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	268SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:13:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.052643	8.7	79.833
Be	9	2	H2	0.018327	20.2	13.667
B	11	2	H2	-0.544701		1940.137
Na	23	1	He	65.807268	1.8	106579.810
Mg	24	1	He	70.171314	2.7	58035.537
Al	27	1	He	5.291805	2.7	2449.167
Si	28	2	H2	69.101733	6.3	239428.483
K	39	1	He	30.375591	6.1	131808.790
Ca	43	1	He	487.880826	1.7	1770.950
Ca	44	1	He	506.242284	1.2	30774.427
Ti	47	1	He	0.014434	94.0	8.000
V	51	1	He	0.030741	307.3	-1028.307
Cr	52	1	He	0.065554	2.2	1136.707
Mn	55	1	He	0.064898	15.2	1236.713
Fe	56	1	He	1.357884	2.5	26404.560
Co	59	1	He	0.003377	28.0	130.667
Ni	60	1	He	-0.130655		138.667
Cu	63	1	He	0.026698	12.0	504.677
Zn	66	1	He	0.083562	58.5	340.673
As	75	1	He	-0.007211		188.667
Se	78	2	H2	0.017161	47.3	27.667
Sr	88	1	He	0.950768	1.4	14602.837
Mo	95	1	He	0.026142	17.3	181.667
Pd	105	1	He	0.005062	23.5	76.667
Ag	107	1	He	1.468212	75.7	29036.547
Cd	111	1	He	0.004289	91.3	18.277
Sn	118	1	He	0.113629	12.0	1231.723
Sb	121	1	He	0.006171	69.4	151.667
Ba	138	1	He	0.029192	15.7	1048.373
Pt	195	1	He	0.001702	52.5	93.333
Hg	202	1	He	0.007998	77.8	110.000
Tl	205	1	He	0.002925	80.2	741.690
Pb	206	1	He	0.011034	18.7	238.333
Pb	207	1	He	0.001406	741.2	800.030
Pb	208	1	He	0.008323	24.1	1508.373
Bi	209	1	He	-0.000382		1270.077
Th	232	1	He	0.006997	20.9	500.013
U	238	1	He	0.009455	9.1	700.027

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.81068316	785341.020
Sc	45	2	H2	72.03917237	4828189.000
Ge	72	1	He	70.77605995	479254.043
Ge	72	2	H2	72.54896844	1315932.003
In	115	1	He	75.29325573	5488421.667
Tb	159	1	He	78.36886268	12689658.143
Ir	193	1	He	77.95268864	6093734.700

Sample Name	10607799002_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	269SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:16:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.014422	3.3	1191.203
Be	9	2	H2	0.063242	21.8	35.167
B	11	2	H2	5.332969	12.1	4904.087
Na	23	1	He	7087.714810	0.4	10115166.933
Mg	24	1	He	6814.850671	0.4	5398134.710
Al	27	1	He	501.889568	0.8	215396.153
Si	28	2	H2	4559.232976	7.1	15010903.667
K	39	1	He	821.310866	0.1	1064660.610
Ca	43	1	He	24452.75911	0.2	88548.147
Ca	44	1	He	25135.13060	0.7	1524243.593
Ti	47	1	He	7.585408	3.1	2950.943
V	51	1	He	2.484183	4.7	21533.760
Cr	52	1	He	2.067876	2.1	23150.837
Mn	55	1	He	31.808297	0.4	264875.490
Fe	56	1	He	567.950370	0.9	5720952.500
Co	59	1	He	0.187204	4.4	3066.937
Ni	60	1	He	2.650968	4.5	11012.060
Cu	63	1	He	1.470937	3.0	15055.663
Zn	66	1	He	11.908134	0.9	24897.240
As	75	1	He	0.879252	0.8	1697.247
Se	78	2	H2	16.060414	1.8	13503.130
Sr	88	1	He	89.689605	2.5	1359777.063
Mo	95	1	He	2.404685	1.5	15156.653
Pd	105	1	He	0.017153	51.9	193.337
Ag	107	1	He	1.325838	78.8	26212.193
Cd	111	1	He	0.122049	7.8	450.463
Sn	118	1	He	0.114280	4.3	1236.723
Sb	121	1	He	0.149504	7.4	1953.463
Ba	138	1	He	27.589809	0.2	884947.720
Pt	195	1	He	0.010270	17.8	196.673
Hg	202	1	He	0.004957	20.2	93.333
Tl	205	1	He	0.015769	21.8	1311.737
Pb	206	1	He	0.600412	3.3	8969.267
Pb	207	1	He	0.563841	4.0	7765.283
Pb	208	1	He	0.574241	3.2	34579.637
Bi	209	1	He	0.012902	25.1	1896.813
Th	232	1	He	0.144186	1.1	9471.297
U	238	1	He	1.159257	1.2	77584.660

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.94962267	786860.500
Sc	45	2	H2	70.99750503	4758374.667
Ge	72	1	He	71.04400298	481068.397
Ge	72	2	H2	71.53281214	1297500.417
In	115	1	He	75.22311848	5483309.087
Tb	159	1	He	79.40316346	12857134.393
Ir	193	1	He	78.44017268	6131842.410

Sample Name	10607799002_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	270SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:20:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.108811	27.0	111.667
Be	9	2	H2	0.027152	37.1	18.000
B	11	2	H2	-0.775002		1823.467
Na	23	1	He	350.762834	0.7	512257.543
Mg	24	1	He	336.107852	1.7	268349.247
Al	27	1	He	26.878759	2.6	11694.450
Si	28	2	H2	222.984689	5.7	752003.980
K	39	1	He	62.627791	2.8	169870.630
Ca	43	1	He	1223.742180	2.1	4433.033
Ca	44	1	He	1259.104863	0.3	76381.550
Ti	47	1	He	0.345942	13.7	136.667
V	51	1	He	0.098813	49.3	-401.253
Cr	52	1	He	0.114013	3.0	1669.420
Mn	55	1	He	1.532727	1.3	13412.327
Fe	56	1	He	28.501776	1.5	298871.747
Co	59	1	He	0.008140	12.5	206.667
Ni	60	1	He	0.010394	114.8	688.683
Cu	63	1	He	0.092833	8.5	1170.043
Zn	66	1	He	0.621121	10.2	1454.067
As	75	1	He	0.046591	8.0	280.167
Se	78	2	H2	0.787537	5.1	684.347
Sr	88	1	He	4.299126	0.7	65856.097
Mo	95	1	He	0.123532	8.1	793.360
Pd	105	1	He	0.003976	64.1	66.667
Ag	107	1	He	1.975016	77.8	39024.960
Cd	111	1	He	0.017249	39.4	66.427
Sn	118	1	He	0.123526	10.2	1336.733
Sb	121	1	He	0.010944	19.9	213.333
Ba	138	1	He	1.384760	0.5	43798.360
Pt	195	1	He	0.002310	74.9	100.000
Hg	202	1	He	0.001266	262.5	70.000
Tl	205	1	He	-0.005199		391.677
Pb	206	1	He	0.032036	8.1	543.350
Pb	207	1	He	0.026391	15.4	1101.717
Pb	208	1	He	0.030810	11.0	2795.123
Bi	209	1	He	-0.003532		1123.407
Th	232	1	He	0.009062	13.4	631.683
U	238	1	He	0.059432	6.1	4003.893

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.85366887	785811.123
Sc	45	2	H2	71.99467187	4825206.500
Ge	72	1	He	70.85881567	479814.417
Ge	72	2	H2	72.58880977	1316654.667
In	115	1	He	75.81404935	5526384.363
Tb	159	1	He	78.08640964	12643922.727
Ir	193	1	He	77.62809813	6068360.740

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	271_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:23:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	74.240416	5.9	41291.917
Be	9	2	H2	74.354167	5.7	35231.857
B	11	2	H2	70.828176	7.2	37407.890
Na	23	1	He	1993.271427	2.5	2778797.667
Mg	24	1	He	1971.585133	2.5	1522346.330
Al	27	1	He	1920.324578	1.6	801926.440
Si	28	2	H2	928.544026	6.0	2997838.417
K	39	1	He	2040.660036	2.4	2436450.433
Ca	43	1	He	1915.126372	1.5	6759.413
Ca	44	1	He	1937.848977	1.9	114540.313
Ti	47	1	He	75.200786	2.3	28464.847
V	51	1	He	79.701306	1.5	712402.227
Cr	52	1	He	80.356772	1.2	860501.627
Mn	55	1	He	81.766023	1.6	661877.167
Fe	56	1	He	1011.773662	2.2	9913295.333
Co	59	1	He	80.532241	2.1	1275097.043
Ni	60	1	He	80.579279	1.6	312907.853
Cu	63	1	He	82.939544	1.5	828544.357
Zn	66	1	He	79.286760	1.4	163373.303
As	75	1	He	77.065584	1.6	130142.453
Se	78	2	H2	74.769392	0.9	62451.970
Sr	88	1	He	73.263937	0.5	1083480.427
Mo	95	1	He	79.761747	1.8	497734.040
Pd	105	1	He	75.974263	1.3	717006.967
Ag	107	1	He	40.929258	7.8	770117.877
Cd	111	1	He	75.278319	0.5	269526.903
Sn	118	1	He	75.523669	0.6	710048.893
Sb	121	1	He	72.919730	0.5	894396.757
Ba	138	1	He	77.220843	1.1	2423559.857
Pt	195	1	He	75.903307	0.8	886445.090
Hg	202	1	He	3.522872	2.8	20807.113
Tl	205	1	He	39.263314	0.7	1675888.830
Pb	206	1	He	77.971483	0.8	1129986.570
Pb	207	1	He	81.551082	0.9	987546.417
Pb	208	1	He	80.259972	0.6	4588233.107
Bi	209	1	He	83.295034	1.0	3747286.713
Th	232	1	He	76.873170	0.6	4979000.237
U	238	1	He	74.079158	0.7	4907712.323

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.05624373	766153.997
Sc	45	2	H2	69.60680406	4665167.500
Ge	72	1	He	70.42551429	476880.353
Ge	72	2	H2	71.14063603	1290386.917
In	115	1	He	73.37587192	5348656.017
Tb	159	1	He	77.69738792	12580931.477
Ir	193	1	He	77.71678855	6075293.867

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	272_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:27:27
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.025435	52.4	62.667
Be	9	2	H2	0.029195	50.6	18.333
B	11	2	H2	-0.624646		1846.793
Na	23	1	He	4.084647	3.3	18204.003
Mg	24	1	He	-2.406488		666.687
Al	27	1	He	0.981777	8.4	586.010
Si	28	2	H2	-0.078233		8671.543
K	39	1	He	25.524693	3.6	122263.573
Ca	43	1	He	1.490301	40.8	12.750
Ca	44	1	He	0.579637	107.2	166.080
Ti	47	1	He	0.008015	101.0	5.333
V	51	1	He	-0.000286		-1271.957
Cr	52	1	He	0.004563	68.8	453.343
Mn	55	1	He	-0.048659		286.667
Fe	56	1	He	0.108717	32.0	13451.020
Co	59	1	He	0.003236	7.6	125.333
Ni	60	1	He	-0.138524		105.333
Cu	63	1	He	0.004370	36.2	274.000
Zn	66	1	He	0.026014	44.3	216.000
As	75	1	He	0.000649	562.1	197.167
Se	78	2	H2	0.018815	20.0	28.333
Sr	88	1	He	0.004987	56.1	245.003
Mo	95	1	He	0.045080	15.1	293.343
Pd	105	1	He	0.011342	29.1	133.337
Ag	107	1	He	1.591418	69.9	30456.710
Cd	111	1	He	0.006770	106.4	26.577
Sn	118	1	He	0.021040	21.2	328.343
Sb	121	1	He	0.013914	16.8	241.670
Ba	138	1	He	0.007463	14.3	351.677
Pt	195	1	He	0.008043	45.0	163.337
Hg	202	1	He	0.029844	58.1	233.340
Tl	205	1	He	0.045227	15.7	2491.880
Pb	206	1	He	0.005750	39.4	156.667
Pb	207	1	He	0.000805	48.5	771.697
Pb	208	1	He	0.005604	12.4	1315.040
Bi	209	1	He	0.003962	120.6	1426.763
Th	232	1	He	0.012573	7.8	838.367
U	238	1	He	0.006640	12.5	498.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.62616321	761450.520
Sc	45	2	H2	70.12498685	4699897.000
Ge	72	1	He	69.08453845	467800.050
Ge	72	2	H2	70.59831678	1280550.040
In	115	1	He	73.06457350	5325964.250
Tb	159	1	He	76.20882582	12339900.237
Ir	193	1	He	75.80046422	5925490.540

Sample Name	10607799003_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	273SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:31:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	7.034019	4.3	4046.107
Be	9	2	H2	0.065143	32.4	36.333
B	11	2	H2	12.471426	13.5	8555.457
Na	23	1	He	6357.124463	2.4	8845589.453
Mg	24	1	He	12033.88645	2.2	9290572.153
Al	27	1	He	119.417741	2.8	50096.903
Si	28	2	H2	8574.954081	7.0	28264088.667
K	39	1	He	886.943101	2.5	1113327.277
Ca	43	1	He	47685.95622	2.2	168331.837
Ca	44	1	He	48518.96787	2.6	2868071.953
Ti	47	1	He	2.181618	24.7	828.750
V	51	1	He	0.293872	41.0	1349.120
Cr	52	1	He	3.594937	2.3	38933.563
Mn	55	1	He	57.308585	2.6	464664.353
Fe	56	1	He	130.133098	2.0	1287518.917
Co	59	1	He	0.226125	5.3	3579.027
Ni	60	1	He	1.438520	4.3	6087.047
Cu	63	1	He	6.358643	2.1	62392.240
Zn	66	1	He	4.273011	2.1	8773.500
As	75	1	He	0.208340	5.3	539.510
Se	78	2	H2	0.160138	6.4	146.667
Sr	88	1	He	206.405548	1.9	3049068.080
Mo	95	1	He	0.613681	7.1	3765.447
Pd	105	1	He	0.031770	18.3	326.677
Ag	107	1	He	3.026878	78.7	57587.330
Cd	111	1	He	0.040924	38.4	148.873
Sn	118	1	He	0.282198	4.8	2781.923
Sb	121	1	He	0.087951	6.2	1150.057
Ba	138	1	He	7.123905	1.1	224191.563
Pt	195	1	He	0.007748	28.8	163.337
Hg	202	1	He	0.019949	9.2	180.007
Tl	205	1	He	0.019163	15.6	1431.747
Pb	206	1	He	0.181191	5.0	2708.583
Pb	207	1	He	0.177260	5.4	2928.633
Pb	208	1	He	0.171680	3.2	10858.130
Bi	209	1	He	0.011572	43.4	1800.137
Th	232	1	He	0.291147	3.1	18501.023
U	238	1	He	0.880666	1.6	57165.647

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.15199972	767201.210
Sc	45	2	H2	71.17481323	4770258.167
Ge	72	1	He	68.93992809	466820.833
Ge	72	2	H2	71.20899657	1291626.877
In	115	1	He	73.30611335	5343571.040
Tb	159	1	He	77.87260839	12609303.560
Ir	193	1	He	76.05978213	5945761.997

Sample Name	10607799003_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	274SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:34:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.349596	9.3	250.167
Be	9	2	H2	0.019632	30.4	14.333
B	11	2	H2	-0.403968		2010.143
Na	23	1	He	319.500623	1.9	467358.900
Mg	24	1	He	600.800076	2.4	477244.730
Al	27	1	He	7.168723	2.2	3251.627
Si	28	2	H2	438.748391	6.8	1469825.170
K	39	1	He	65.018852	2.3	172532.043
Ca	43	1	He	2364.940054	1.1	8552.313
Ca	44	1	He	2453.758988	3.0	148600.807
Ti	47	1	He	0.072973	30.0	30.667
V	51	1	He	-0.038746		-1665.290
Cr	52	1	He	0.228217	3.0	2920.913
Mn	55	1	He	2.844096	2.3	24267.603
Fe	56	1	He	6.926551	1.1	82245.630
Co	59	1	He	0.013104	21.6	286.667
Ni	60	1	He	-0.048343		461.343
Cu	63	1	He	0.326100	6.6	3525.693
Zn	66	1	He	0.255546	3.2	699.350
As	75	1	He	0.001780	82.2	204.833
Se	78	2	H2	0.010891	14.4	22.333
Sr	88	1	He	9.861574	2.2	151156.707
Mo	95	1	He	0.031818	15.6	218.333
Pd	105	1	He	0.005684	28.8	83.333
Ag	107	1	He	2.453539	75.4	48278.677
Cd	111	1	He	0.008740	30.8	34.933
Sn	118	1	He	0.120680	9.8	1311.733
Sb	121	1	He	0.008145	37.6	178.333
Ba	138	1	He	0.362106	2.8	11637.470
Pt	195	1	He	0.004754	107.2	130.000
Hg	202	1	He	0.015758	80.9	156.673
Tl	205	1	He	-0.003070		486.677
Pb	206	1	He	0.012781	34.1	265.003
Pb	207	1	He	0.006891	64.1	871.700
Pb	208	1	He	0.010294	31.0	1630.050
Bi	209	1	He	0.000877	205.5	1333.420
Th	232	1	He	0.016641	6.3	1123.387
U	238	1	He	0.045802	1.8	3105.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.79275901	785144.997
Sc	45	2	H2	71.93286106	4821063.833
Ge	72	1	He	71.09872763	481438.960
Ge	72	2	H2	72.44052951	1313965.080
In	115	1	He	75.96587648	5537451.640
Tb	159	1	He	78.71442989	12745613.143
Ir	193	1	He	77.71715364	6075322.407

Sample Name	10607799004_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	275SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:38:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.340351	3.8	3119.923
Be	9	2	H2	0.028083	28.6	18.500
B	11	2	H2	10.939489	1.4	7851.820
Na	23	1	He	5979.762484	0.9	8362510.083
Mg	24	1	He	14552.08329	1.6	11288939.413
Al	27	1	He	154.947471	1.7	65267.900
Si	28	2	H2	6142.778912	5.5	20489772.000
K	39	1	He	787.563926	1.0	1004038.187
Ca	43	1	He	66737.95055	1.0	236745.583
Ca	44	1	He	68002.01596	1.3	4039562.400
Ti	47	1	He	1.463276	7.4	559.343
V	51	1	He	0.383379	19.0	2174.677
Cr	52	1	He	1.542240	3.5	17016.660
Mn	55	1	He	31.262869	1.2	255046.683
Fe	56	1	He	168.972058	1.3	1676253.293
Co	59	1	He	0.895262	2.6	14053.493
Ni	60	1	He	0.126515	4.8	1119.373
Cu	63	1	He	0.202837	3.5	2231.483
Zn	66	1	He	1.321688	2.2	2847.570
As	75	1	He	0.264558	2.8	637.343
Se	78	2	H2	0.501405	1.5	438.010
Sr	88	1	He	137.341949	1.7	2039631.427
Mo	95	1	He	0.295011	8.0	1831.780
Pd	105	1	He	0.029865	7.3	310.010
Ag	107	1	He	2.660881	78.2	51202.027
Cd	111	1	He	0.013065	9.9	49.450
Sn	118	1	He	0.082994	7.0	916.703
Sb	121	1	He	0.027680	4.2	413.343
Ba	138	1	He	22.955469	1.4	724349.157
Pt	195	1	He	0.014043	71.5	236.673
Hg	202	1	He	0.016470	20.7	160.003
Tl	205	1	He	0.002823	49.8	735.027
Pb	206	1	He	0.122857	7.0	1868.460
Pb	207	1	He	0.113387	6.4	2161.840
Pb	208	1	He	0.116491	2.3	7722.437
Bi	209	1	He	0.010079	21.7	1740.143
Th	232	1	He	0.061709	3.5	3970.537
U	238	1	He	0.868795	1.3	56630.600

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.49362442	770937.310
Sc	45	2	H2	72.04859221	4828820.333
Ge	72	1	He	69.46715668	470390.917
Ge	72	2	H2	72.20446487	1309683.213
In	115	1	He	73.69882787	5372197.547
Tb	159	1	He	78.12515510	12650196.477
Ir	193	1	He	76.38015647	5970806.370

Sample Name	10607799004_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	276SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:41:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.273343	8.0	207.500
Be	9	2	H2	0.009729	40.7	9.500
B	11	2	H2	-0.509009		1966.813
Na	23	1	He	300.246120	1.0	443901.543
Mg	24	1	He	726.906902	0.6	582002.897
Al	27	1	He	9.220316	4.6	4165.840
Si	28	2	H2	315.197749	6.2	1064464.480
K	39	1	He	60.166543	3.9	168310.147
Ca	43	1	He	3317.170830	1.2	12100.307
Ca	44	1	He	3414.350552	0.8	208562.463
Ti	47	1	He	0.079172	54.4	33.333
V	51	1	He	0.053964	112.8	-822.387
Cr	52	1	He	0.099901	2.2	1526.737
Mn	55	1	He	1.479600	3.2	13076.747
Fe	56	1	He	8.988505	1.4	103842.133
Co	59	1	He	0.042406	4.1	762.020
Ni	60	1	He	-0.117416		192.667
Cu	63	1	He	0.044347	8.4	691.350
Zn	66	1	He	0.141196	10.7	466.010
As	75	1	He	0.001836	267.9	206.833
Se	78	2	H2	0.027807	13.6	37.000
Sr	88	1	He	6.683325	1.8	102617.050
Mo	95	1	He	0.017665	40.9	130.000
Pd	105	1	He	0.005332	58.3	80.000
Ag	107	1	He	1.731251	71.5	34509.090
Cd	111	1	He	0.002900	53.5	13.297
Sn	118	1	He	0.111331	6.4	1221.723
Sb	121	1	He	0.001865	209.5	98.333
Ba	138	1	He	1.167403	1.5	37371.427
Pt	195	1	He	0.000811	337.3	83.333
Hg	202	1	He	0.014474	29.1	150.000
Tl	205	1	He	-0.007867		280.007
Pb	206	1	He	0.010461	26.0	231.670
Pb	207	1	He	0.000960	228.8	801.697
Pb	208	1	He	0.008169	17.2	1511.710
Bi	209	1	He	0.000779	552.6	1333.420
Th	232	1	He	0.004298	11.7	328.343
U	238	1	He	0.043924	2.6	3023.660

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.43593077	792178.897
Sc	45	2	H2	72.33273642	4847864.167
Ge	72	1	He	71.76598703	485957.250
Ge	72	2	H2	72.94002795	1323025.250
In	115	1	He	76.06588169	5544741.413
Tb	159	1	He	78.99824161	12791568.560
Ir	193	1	He	78.81720875	6161316.157

Sample Name	10607799005_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	277SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:45:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.916225	5.2	2284.140
Be	9	2	H2	0.066099	32.1	37.000
B	11	2	H2	10.612257	10.1	7638.373
Na	23	1	He	6518.029586	2.3	9133276.947
Mg	24	1	He	6855.347490	2.4	5331000.753
Al	27	1	He	957.775175	2.0	403388.437
Si	28	2	H2	8119.889597	5.2	26870574.000
K	39	1	He	714.260099	1.7	921356.963
Ca	43	1	He	37457.60185	2.0	133163.350
Ca	44	1	He	38374.24545	1.4	2284680.163
Ti	47	1	He	13.984719	9.9	5336.913
V	51	1	He	1.223090	10.4	9747.050
Cr	52	1	He	5.375214	2.0	58422.130
Mn	55	1	He	106.477078	1.2	868938.207
Fe	56	1	He	1079.990641	1.7	10669230.667
Co	59	1	He	0.452908	3.9	7174.120
Ni	60	1	He	2.315001	2.0	9519.203
Cu	63	1	He	1.069595	1.4	10807.943
Zn	66	1	He	4.682131	3.8	9703.980
As	75	1	He	1.123918	2.6	2073.623
Se	78	2	H2	0.441347	4.4	384.003
Sr	88	1	He	58.397242	0.5	878721.240
Mo	95	1	He	1.337932	7.4	8278.717
Pd	105	1	He	0.012406	33.3	146.667
Ag	107	1	He	1.390488	81.4	27373.847
Cd	111	1	He	0.014620	60.0	55.847
Sn	118	1	He	0.111070	9.3	1196.723
Sb	121	1	He	0.042336	1.7	601.687
Ba	138	1	He	40.675229	0.5	1298533.967
Pt	195	1	He	0.010048	45.6	193.340
Hg	202	1	He	0.015592	15.6	156.667
Tl	205	1	He	0.002915	47.2	748.360
Pb	206	1	He	0.789742	0.9	11719.347
Pb	207	1	He	0.738509	1.4	9879.783
Pb	208	1	He	0.761661	1.4	45316.773
Bi	209	1	He	0.012125	26.6	1853.490
Th	232	1	He	0.470709	0.2	30626.557
U	238	1	He	0.368348	1.8	24549.500

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.64981722	772645.477
Sc	45	2	H2	71.48928593	4791334.667
Ge	72	1	He	69.71132378	472044.273
Ge	72	2	H2	71.60459302	1298802.417
In	115	1	He	74.65780533	5442101.187
Tb	159	1	He	79.03449874	12797439.393
Ir	193	1	He	77.95827728	6094171.577

Sample Name	10607799005_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	278SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:48:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.180018	4.2	151.333
Be	9	2	H2	0.013974	55.8	11.333
B	11	2	H2	-0.912744		1726.790
Na	23	1	He	324.298234	0.5	471497.220
Mg	24	1	He	341.296173	0.6	270674.100
Al	27	1	He	49.199340	2.7	21116.467
Si	28	2	H2	421.000791	8.8	1396327.877
K	39	1	He	56.718086	1.1	161849.347
Ca	43	1	He	1867.130632	0.6	6715.633
Ca	44	1	He	1936.610352	1.5	116642.403
Ti	47	1	He	0.695735	9.9	270.670
V	51	1	He	0.206109	5.5	579.703
Cr	52	1	He	0.282701	9.4	3498.350
Mn	55	1	He	6.371775	0.3	53200.377
Fe	56	1	He	112.100429	0.8	1130551.957
Co	59	1	He	0.028720	10.0	533.343
Ni	60	1	He	0.014349	55.9	702.683
Cu	63	1	He	0.152172	0.6	1762.760
Zn	66	1	He	0.271507	9.9	728.683
As	75	1	He	0.044334	15.9	275.833
Se	78	2	H2	0.022360	5.3	31.667
Sr	88	1	He	2.843608	1.1	43456.927
Mo	95	1	He	0.065232	28.6	426.680
Pd	105	1	He	0.006414	16.9	90.000
Ag	107	1	He	1.074229	80.9	21443.233
Cd	111	1	He	0.006080	59.7	24.873
Sn	118	1	He	0.097722	4.7	1081.717
Sb	121	1	He	0.003084	110.8	113.333
Ba	138	1	He	2.046447	1.3	65043.147
Pt	195	1	He	0.001970	212.1	96.667
Hg	202	1	He	0.009073	106.1	116.670
Tl	205	1	He	-0.009292		216.670
Pb	206	1	He	0.040581	8.8	671.687
Pb	207	1	He	0.027212	36.1	1118.383
Pb	208	1	He	0.039041	10.9	3286.823
Bi	209	1	He	0.000901	508.3	1330.083
Th	232	1	He	0.024721	8.2	1641.777
U	238	1	He	0.018951	7.7	1323.403

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.38733468	780711.167
Sc	45	2	H2	71.21015004	4772626.500
Ge	72	1	He	70.71753549	478857.750
Ge	72	2	H2	71.47267314	1296409.583
In	115	1	He	75.53130571	5505774.067
Tb	159	1	He	78.54606456	12718351.060
Ir	193	1	He	77.49071719	6057621.367

Sample Name	10607799006_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	279SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:52:29
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.813349	3.5	1609.237
Be	9	2	H2	0.020210	78.5	14.167
B	11	2	H2	10.465736	7.8	7351.553
Na	23	1	He	5607.662592	1.9	7770521.760
Mg	24	1	He	8367.823163	2.0	6432977.193
Al	27	1	He	45.465020	1.2	19102.850
Si	28	2	H2	6281.679974	7.4	20228094.000
K	39	1	He	855.376645	2.0	1072401.703
Ca	43	1	He	105079.5550	1.7	369324.137
Ca	44	1	He	107027.8041	2.3	6299212.557
Ti	47	1	He	0.684827	4.8	260.667
V	51	1	He	0.373450	16.8	2058.457
Cr	52	1	He	2.071765	2.4	22512.613
Mn	55	1	He	23.794956	1.8	192497.190
Fe	56	1	He	49.819054	1.9	498433.417
Co	59	1	He	0.041829	10.4	716.017
Ni	60	1	He	0.324774	4.4	1844.100
Cu	63	1	He	0.388980	1.8	3993.790
Zn	66	1	He	4.815125	3.3	9767.350
As	75	1	He	0.345478	1.6	758.353
Se	78	2	H2	1.072625	3.9	892.023
Sr	88	1	He	216.332647	2.3	3193050.577
Mo	95	1	He	0.109850	3.6	681.687
Pd	105	1	He	0.034945	34.7	356.680
Ag	107	1	He	2.708677	81.5	51754.967
Cd	111	1	He	0.020243	23.8	74.793
Sn	118	1	He	0.085036	4.8	930.033
Sb	121	1	He	0.033452	5.0	481.677
Ba	138	1	He	38.390099	1.1	1206095.137
Pt	195	1	He	0.006895	37.2	153.337
Hg	202	1	He	0.005853	146.0	96.670
Tl	205	1	He	-0.001919		530.013
Pb	206	1	He	0.102501	4.4	1563.423
Pb	207	1	He	0.080684	8.5	1755.113
Pb	208	1	He	0.094690	1.8	6438.873
Bi	209	1	He	0.006335	69.7	1563.447
Th	232	1	He	0.018364	8.4	1211.727
U	238	1	He	0.787168	2.5	51228.777

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.84440307	763837.250
Sc	45	2	H2	69.51261817	4658855.000
Ge	72	1	He	68.26284948	462236.053
Ge	72	2	H2	69.84516445	1266888.960
In	115	1	He	73.25003072	5339482.957
Tb	159	1	He	77.77694259	12593813.143
Ir	193	1	He	76.24806300	5960480.330

Sample Name	10607799006_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	280SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:56:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.122174	18.9	118.500
Be	9	2	H2	0.013229	42.7	11.000
B	11	2	H2	-0.575284		1900.137
Na	23	1	He	296.553160	4.7	417487.847
Mg	24	1	He	441.414680	5.3	337288.053
Al	27	1	He	4.537628	39.6	2018.013
Si	28	2	H2	326.891622	6.0	1086387.417
K	39	1	He	67.246496	10.8	168195.453
Ca	43	1	He	5468.169076	4.1	18984.440
Ca	44	1	He	5609.151982	3.9	326119.193
Ti	47	1	He	0.086775	112.1	33.333
V	51	1	He	0.026491	376.9	-1045.187
Cr	52	1	He	0.137327	4.7	1849.433
Mn	55	1	He	1.214256	5.1	10333.633
Fe	56	1	He	3.945743	39.0	49821.357
Co	59	1	He	-0.000301		70.000
Ni	60	1	He	-0.117104		186.000
Cu	63	1	He	0.022707	19.7	450.010
Zn	66	1	He	0.297519	10.4	757.353
As	75	1	He	0.003470	272.0	200.167
Se	78	2	H2	0.063863	6.1	66.333
Sr	88	1	He	10.831939	3.6	159852.497
Mo	95	1	He	0.006422	92.1	56.667
Pd	105	1	He	0.001659	190.0	43.333
Ag	107	1	He	2.015452	85.9	37294.787
Cd	111	1	He	0.002012	132.2	9.983
Sn	118	1	He	0.121659	16.5	1266.723
Sb	121	1	He	0.000842	277.2	83.333
Ba	138	1	He	1.987904	3.4	61238.973
Pt	195	1	He	0.001986	140.6	93.333
Hg	202	1	He	0.011528	53.6	126.667
Tl	205	1	He	-0.009714		191.667
Pb	206	1	He	0.005809	45.1	156.667
Pb	207	1	He	-0.000989		751.693
Pb	208	1	He	0.003756	32.0	1211.700
Bi	209	1	He	-0.003576		1096.727
Th	232	1	He	0.001929	35.9	165.000
U	238	1	He	0.040056	5.2	2663.593

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.05849739	755242.373
Sc	45	2	H2	71.22973822	4773939.333
Ge	72	1	He	68.63841551	464779.167
Ge	72	2	H2	71.33410296	1293896.123
In	115	1	He	73.25336365	5339725.907
Tb	159	1	He	76.21122922	12340289.400
Ir	193	1	He	75.95064805	5937230.743

Sample Name	10607799007_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	281SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:59:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	8.387431	3.5	4747.267
Be	9	2	H2	0.218489	1.8	108.833
B	11	2	H2	13.019208	8.5	8695.550
Na	23	1	He	5949.943006	0.6	8206884.043
Mg	24	1	He	13229.10157	0.6	10122916.307
Al	27	1	He	3116.386387	0.9	1291367.580
Si	28	2	H2	12108.94889	6.3	39342314.667
K	39	1	He	1562.113910	4.3	1873027.473
Ca	43	1	He	62743.84546	0.4	219530.107
Ca	44	1	He	64207.57436	0.6	3762010.770
Ti	47	1	He	42.207311	8.8	15861.603
V	51	1	He	3.975448	8.1	34073.393
Cr	52	1	He	10.449298	0.6	111400.950
Mn	55	1	He	612.140990	0.5	4913062.000
Fe	56	1	He	3490.982257	1.6	33912582.667
Co	59	1	He	1.946829	1.5	29801.207
Ni	60	1	He	5.984954	1.5	22990.640
Cu	63	1	He	3.832500	1.0	37141.520
Zn	66	1	He	14.325582	0.2	28600.740
As	75	1	He	0.785119	3.0	1469.563
Se	78	2	H2	0.272751	6.5	236.667
Sr	88	1	He	141.236497	1.2	2039453.667
Mo	95	1	He	1.042505	2.0	6291.193
Pd	105	1	He	0.035868	12.3	356.677
Ag	107	1	He	2.572757	42.9	48000.400
Cd	111	1	He	0.049363	28.4	174.780
Sn	118	1	He	0.271286	6.9	2620.223
Sb	121	1	He	0.072898	5.0	943.370
Ba	138	1	He	34.466994	0.5	1066894.437
Pt	195	1	He	0.010576	25.5	193.340
Hg	202	1	He	0.014701	41.3	146.670
Tl	205	1	He	0.022464	13.9	1548.427
Pb	206	1	He	3.299912	1.4	47239.563
Pb	207	1	He	3.210695	1.6	39082.807
Pb	208	1	He	3.243145	0.1	183813.967
Bi	209	1	He	0.035343	19.3	2826.963
Th	232	1	He	1.071123	1.6	66885.520
U	238	1	He	0.943182	1.0	60273.990

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.52308328	760323.210
Sc	45	2	H2	70.17261071	4703088.833
Ge	72	1	He	67.91920341	459909.083
Ge	72	2	H2	69.95429197	1268868.373
In	115	1	He	71.65597583	5223286.023
Tb	159	1	He	76.62924634	12407975.650
Ir	193	1	He	74.88249365	5853730.743

Sample Name	10607799007_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	282SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:03:07
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.448468	11.9	303.333
Be	9	2	H2	0.009140	42.1	9.000
B	11	2	H2	-0.138049		2113.580
Na	23	1	He	302.520646	0.5	437288.730
Mg	24	1	He	666.736316	1.4	522249.277
Al	27	1	He	157.143801	1.3	66521.100
Si	28	2	H2	630.872948	6.9	2082339.207
K	39	1	He	97.021873	3.4	207384.857
Ca	43	1	He	3156.346388	1.8	11259.323
Ca	44	1	He	3251.207272	1.5	194218.950
Ti	47	1	He	1.861262	5.3	714.690
V	51	1	He	0.176053	55.5	303.530
Cr	52	1	He	0.543188	1.7	6290.443
Mn	55	1	He	30.600024	1.0	250889.977
Fe	56	1	He	179.879089	1.6	1792464.123
Co	59	1	He	0.098182	7.4	1616.747
Ni	60	1	He	0.188206	2.7	1361.390
Cu	63	1	He	0.241772	3.8	2626.870
Zn	66	1	He	0.787330	7.6	1771.427
As	75	1	He	0.033741	7.0	254.500
Se	78	2	H2	0.013233	20.9	24.000
Sr	88	1	He	6.885062	0.8	104072.567
Mo	95	1	He	0.052957	22.6	345.010
Pd	105	1	He	0.002679	118.2	53.333
Ag	107	1	He	1.268107	81.0	24998.053
Cd	111	1	He	0.003855	41.2	16.563
Sn	118	1	He	0.111520	19.1	1205.057
Sb	121	1	He	0.003175	44.6	113.333
Ba	138	1	He	1.738131	1.3	55093.377
Pt	195	1	He	0.002275	127.8	100.000
Hg	202	1	He	0.011347	111.6	130.003
Tl	205	1	He	-0.009681		200.000
Pb	206	1	He	0.160525	10.8	2421.880
Pb	207	1	He	0.145310	2.9	2555.230
Pb	208	1	He	0.158745	4.0	10173.020
Bi	209	1	He	-0.003305		1136.730
Th	232	1	He	0.050118	4.4	3298.717
U	238	1	He	0.044988	8.6	3055.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.83378123	774657.357
Sc	45	2	H2	71.02846515	4760449.667
Ge	72	1	He	69.79844393	472634.200
Ge	72	2	H2	71.39396869	1294982.000
In	115	1	He	74.88290229	5458509.390
Tb	159	1	He	78.30194268	12678822.310
Ir	193	1	He	77.86260710	6086692.827

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	283_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:06:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	74.709629	6.6	41625.503
Be	9	2	H2	74.140509	6.3	35193.807
B	11	2	H2	72.863000	9.8	38507.147
Na	23	1	He	1979.880212	1.4	2760860.583
Mg	24	1	He	1966.271953	1.3	1518612.583
Al	27	1	He	1913.994845	0.8	799465.770
Si	28	2	H2	933.814945	7.1	3020364.583
K	39	1	He	2029.795787	1.1	2424552.670
Ca	43	1	He	1928.013824	0.1	6806.400
Ca	44	1	He	1936.975921	1.2	114515.503
Ti	47	1	He	75.623998	2.7	28631.120
V	51	1	He	80.197847	0.5	717012.623
Cr	52	1	He	79.977410	1.4	856624.523
Mn	55	1	He	81.141587	0.7	656978.270
Fe	56	1	He	1009.797667	1.4	9896216.667
Co	59	1	He	80.143507	1.4	1266688.207
Ni	60	1	He	80.797346	1.8	313180.583
Cu	63	1	He	82.360803	1.8	821260.397
Zn	66	1	He	79.151455	1.6	162802.497
As	75	1	He	77.223642	1.2	130176.573
Se	78	2	H2	75.608116	1.3	63160.073
Sr	88	1	He	72.919061	1.1	1079570.817
Mo	95	1	He	79.975930	1.0	498219.967
Pd	105	1	He	75.077382	0.6	709388.400
Ag	107	1	He	40.168615	6.3	757127.697
Cd	111	1	He	74.739159	1.2	267891.983
Sn	118	1	He	74.931103	1.2	705289.807
Sb	121	1	He	72.489630	0.2	890160.273
Ba	138	1	He	77.676125	1.9	2420506.580
Pt	195	1	He	75.521284	0.5	875790.743
Hg	202	1	He	3.568689	2.7	20930.593
Tl	205	1	He	39.446382	1.0	1671796.693
Pb	206	1	He	78.317367	0.9	1127004.487
Pb	207	1	He	81.703967	0.7	982413.190
Pb	208	1	He	80.017002	1.2	4541921.757
Bi	209	1	He	82.830725	1.8	3699864.110
Th	232	1	He	77.126806	2.2	4945745.553
U	238	1	He	74.595175	2.0	4892824.410

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.07092729	766314.580
Sc	45	2	H2	69.69679976	4671199.167
Ge	72	1	He	70.30330988	476052.857
Ge	72	2	H2	71.15024963	1290561.293
In	115	1	He	73.45910212	5354722.993
Tb	159	1	He	77.15026557	12492340.227
Ir	193	1	He	76.95194949	6015504.700

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	284_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:10:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.021302	7.7	59.000
Be	9	2	H2	0.022228	7.4	14.833
B	11	2	H2	-0.863626		1696.773
Na	23	1	He	3.484857	4.7	16972.867
Mg	24	1	He	-2.327206		710.020
Al	27	1	He	1.029997	3.3	592.010
Si	28	2	H2	0.408331	73.5	10068.340
K	39	1	He	25.358371	1.5	119241.957
Ca	43	1	He	1.624125	5.6	12.917
Ca	44	1	He	-0.171528		119.147
Ti	47	1	He	0.022887	27.9	10.667
V	51	1	He	0.027561	198.4	-1001.820
Cr	52	1	He	0.004500	42.5	442.010
Mn	55	1	He	-0.049582		272.667
Fe	56	1	He	0.177696	19.8	13794.617
Co	59	1	He	0.003835	49.3	132.000
Ni	60	1	He	-0.138880		102.000
Cu	63	1	He	0.003349	72.0	258.667
Zn	66	1	He	0.032983	11.2	225.333
As	75	1	He	0.002105	405.9	195.500
Se	78	2	H2	0.017771	29.3	27.000
Sr	88	1	He	0.006350	55.0	261.673
Mo	95	1	He	0.032735	13.2	213.333
Pd	105	1	He	0.002535	41.5	50.000
Ag	107	1	He	2.145970	69.2	40484.373
Cd	111	1	He	0.008287	34.8	31.603
Sn	118	1	He	0.025290	5.5	363.343
Sb	121	1	He	0.013471	19.3	233.333
Ba	138	1	He	0.008689	14.4	381.677
Pt	195	1	He	0.009521	23.7	176.673
Hg	202	1	He	0.024199	64.0	196.673
Tl	205	1	He	0.042087	25.3	2313.527
Pb	206	1	He	0.009315	47.5	203.337
Pb	207	1	He	0.001264	418.9	761.693
Pb	208	1	He	0.006258	3.7	1325.040
Bi	209	1	He	0.005848	59.7	1480.103
Th	232	1	He	0.012897	18.2	846.703
U	238	1	He	0.006803	28.8	501.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.00974707	743772.957
Sc	45	2	H2	68.74335258	4607297.500
Ge	72	1	He	67.66436399	458183.460
Ge	72	2	H2	69.34053880	1257735.790
In	115	1	He	72.07786109	5254038.900
Tb	159	1	He	74.70332394	12096126.070
Ir	193	1	He	74.70721028	5840028.453

Sample Name	10607799008_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	285SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:13:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.438955	5.3	841.853
Be	9	2	H2	0.193275	7.5	95.500
B	11	2	H2	7.963795	8.4	6054.433
Na	23	1	He	4578.420282	1.0	6284609.283
Mg	24	1	He	13619.20041	1.2	10366146.513
Al	27	1	He	1258.769740	0.8	518971.717
Si	28	2	H2	6684.693050	5.3	21395530.667
K	39	1	He	854.564043	0.9	1060989.023
Ca	43	1	He	48486.48295	1.4	168746.673
Ca	44	1	He	49246.65993	2.2	2870072.717
Ti	47	1	He	10.187572	2.5	3808.407
V	51	1	He	1.845193	4.9	15046.923
Cr	52	1	He	1.399192	2.5	15185.707
Mn	55	1	He	23.699403	1.1	189852.490
Fe	56	1	He	703.458765	1.3	6807582.000
Co	59	1	He	0.275336	1.7	4331.200
Ni	60	1	He	0.560938	1.5	2751.557
Cu	63	1	He	1.326690	0.9	13167.507
Zn	66	1	He	5.831444	0.6	11884.633
As	75	1	He	0.792275	1.5	1499.730
Se	78	2	H2	10.111282	0.2	8276.937
Sr	88	1	He	76.293930	0.3	1121136.103
Mo	95	1	He	0.184725	8.4	1143.380
Pd	105	1	He	0.015964	32.4	176.670
Ag	107	1	He	1.345099	81.0	25865.533
Cd	111	1	He	0.046573	33.9	167.990
Sn	118	1	He	0.321440	1.7	3133.650
Sb	121	1	He	0.057734	9.6	775.023
Ba	138	1	He	27.983094	1.5	880843.710
Pt	195	1	He	0.008302	35.9	170.003
Hg	202	1	He	0.005887	170.3	96.667
Tl	205	1	He	0.030035	5.6	1898.467
Pb	206	1	He	1.715766	2.1	25012.953
Pb	207	1	He	1.610229	1.7	20321.377
Pb	208	1	He	1.659886	1.4	96173.160
Bi	209	1	He	0.035687	1.8	2890.330
Th	232	1	He	1.739785	1.3	110839.233
U	238	1	He	0.717718	1.8	46826.707

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.15735621	756323.520
Sc	45	2	H2	69.10663782	4631645.500
Ge	72	1	He	68.76882303	465662.210
Ge	72	2	H2	69.62358720	1262869.873
In	115	1	He	72.91227331	5314862.490
Tb	159	1	He	77.93482706	12619378.143
Ir	193	1	He	76.42037749	5973950.537

Sample Name	10607799008_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	286SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:17:27
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.064870	23.8	84.667
Be	9	2	H2	0.018783	56.7	13.667
B	11	2	H2	-1.269020		1533.430
Na	23	1	He	226.371719	2.5	328818.727
Mg	24	1	He	668.522602	1.9	521084.067
Al	27	1	He	63.227856	1.9	26742.587
Si	28	2	H2	329.285549	5.7	1080785.127
K	39	1	He	63.286007	2.5	167404.637
Ca	43	1	He	2351.781409	1.7	8350.310
Ca	44	1	He	2458.246220	2.3	146163.670
Ti	47	1	He	0.568065	13.6	218.667
V	51	1	He	0.055037	98.8	-789.160
Cr	52	1	He	0.119134	4.9	1692.753
Mn	55	1	He	1.131164	2.0	9890.050
Fe	56	1	He	35.307847	2.5	360197.093
Co	59	1	He	0.013363	10.6	288.000
Ni	60	1	He	-0.107377		228.000
Cu	63	1	He	0.930230	1.8	9521.873
Zn	66	1	He	0.769861	1.6	1750.760
As	75	1	He	0.026422	21.3	244.333
Se	78	2	H2	0.475720	9.9	412.007
Sr	88	1	He	3.615339	2.3	54796.957
Mo	95	1	He	0.013743	7.1	103.333
Pd	105	1	He	0.007167	60.1	96.667
Ag	107	1	He	2.541933	79.0	49590.457
Cd	111	1	He	0.007059	29.7	28.303
Sn	118	1	He	0.107777	9.0	1170.053
Sb	121	1	He	0.007816	27.9	171.667
Ba	138	1	He	1.382040	1.4	43688.070
Pt	195	1	He	0.004013	118.2	120.000
Hg	202	1	He	0.015373	31.9	153.340
Tl	205	1	He	-0.003284		473.347
Pb	206	1	He	0.106839	7.3	1631.763
Pb	207	1	He	0.094037	7.5	1923.470
Pb	208	1	He	0.101332	0.9	6842.280
Bi	209	1	He	0.000545	86.1	1306.747
Th	232	1	He	0.085658	2.1	5542.697
U	238	1	He	0.033936	2.1	2298.527

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.49261890	770926.313
Sc	45	2	H2	70.33437918	4713930.833
Ge	72	1	He	70.39714749	476688.270
Ge	72	2	H2	71.47704449	1296488.873
In	115	1	He	74.97248642	5465039.530
Tb	159	1	He	78.04267721	12636841.477
Ir	193	1	He	77.00789703	6019878.243

Sample Name	10607799009_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	287SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:21:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.959467	5.7	3372.303
Be	9	2	H2	0.008118	49.1	8.333
B	11	2	H2	11.489170	14.1	7908.523
Na	23	1	He	5536.709866	2.0	7587633.220
Mg	24	1	He	17789.72756	1.9	13522668.133
Al	27	1	He	9.378480	1.9	4037.777
Si	28	2	H2	5632.960394	5.6	18216816.667
K	39	1	He	664.432500	1.4	844465.430
Ca	43	1	He	59327.89321	1.5	206222.920
Ca	44	1	He	60612.54627	1.8	3528185.757
Ti	47	1	He	0.134932	13.6	52.667
V	51	1	He	0.178869	144.8	307.703
Cr	52	1	He	4.017079	1.6	42793.560
Mn	55	1	He	7.903477	0.9	63687.263
Fe	56	1	He	14.625265	1.4	153405.900
Co	59	1	He	0.046116	1.7	779.353
Ni	60	1	He	0.947695	2.5	4171.170
Cu	63	1	He	0.639921	2.4	6402.490
Zn	66	1	He	2.153394	0.7	4443.897
As	75	1	He	0.329137	0.8	729.353
Se	78	2	H2	2.851602	1.6	2365.160
Sr	88	1	He	124.772760	1.0	1826446.743
Mo	95	1	He	0.236625	8.5	1443.403
Pd	105	1	He	0.019302	59.9	206.673
Ag	107	1	He	1.446292	76.4	27511.230
Cd	111	1	He	0.003903	21.9	16.230
Sn	118	1	He	0.060651	4.7	695.020
Sb	121	1	He	0.026266	17.3	390.010
Ba	138	1	He	4.912377	0.7	154240.337
Pt	195	1	He	0.010066	66.8	190.003
Hg	202	1	He	0.006963	75.6	103.333
Tl	205	1	He	-0.004405		423.343
Pb	206	1	He	0.037876	6.8	625.020
Pb	207	1	He	0.027984	20.5	1115.057
Pb	208	1	He	0.032799	7.7	2893.467
Bi	209	1	He	-0.006356		990.053
Th	232	1	He	0.004050	15.4	301.677
U	238	1	He	0.372058	1.1	24238.867

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.07544833	755427.753
Sc	45	2	H2	69.83931576	4680750.833
Ge	72	1	He	68.04181836	460739.360
Ge	72	2	H2	70.28114894	1274797.080
In	115	1	He	72.63555363	5294691.303
Tb	159	1	He	77.67932369	12578006.477
Ir	193	1	He	76.20939836	5957457.830

Sample Name	10607799009_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	288SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:24:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.313654	7.3	226.500
Be	9	2	H2	0.003602	42.8	6.333
B	11	2	H2	-0.760731		1803.460
Na	23	1	He	273.931254	1.4	396916.217
Mg	24	1	He	884.778178	1.3	691752.803
Al	27	1	He	1.472061	7.8	802.687
Si	28	2	H2	285.599829	5.4	946184.980
K	39	1	He	53.514338	4.4	156777.410
Ca	43	1	He	2928.523899	1.2	10440.480
Ca	44	1	He	3011.160728	0.6	179772.733
Ti	47	1	He	0.039180	63.2	17.333
V	51	1	He	0.089019	95.9	-484.807
Cr	52	1	He	0.213453	6.3	2720.213
Mn	55	1	He	0.326025	2.5	3352.990
Fe	56	1	He	0.970397	1.7	22196.937
Co	59	1	He	-0.000215		72.667
Ni	60	1	He	-0.085907		309.333
Cu	63	1	He	0.024248	9.4	474.677
Zn	66	1	He	0.105508	6.3	381.343
As	75	1	He	0.008418	122.2	212.667
Se	78	2	H2	0.154745	14.7	143.000
Sr	88	1	He	5.995766	1.4	90457.917
Mo	95	1	He	0.010883	6.9	85.000
Pd	105	1	He	-0.000438		23.333
Ag	107	1	He	1.126293	83.8	22302.033
Cd	111	1	He	0.000683	199.8	4.973
Sn	118	1	He	0.097608	11.3	1068.377
Sb	121	1	He	0.000528	160.5	80.000
Ba	138	1	He	0.236536	3.4	7530.087
Pt	195	1	He	0.004372	49.6	123.337
Hg	202	1	He	0.005914	120.5	96.667
Tl	205	1	He	-0.009353		211.667
Pb	206	1	He	-0.000314		71.667
Pb	207	1	He	-0.010517		648.353
Pb	208	1	He	-0.001925		908.353
Bi	209	1	He	-0.003271		1126.733
Th	232	1	He	0.001287	37.7	128.333
U	238	1	He	0.017652	6.9	1235.067

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.78897040	774167.293
Sc	45	2	H2	70.91545949	4752875.833
Ge	72	1	He	69.96912171	473789.930
Ge	72	2	H2	71.67362652	1300054.583
In	115	1	He	74.72803828	5447220.743
Tb	159	1	He	77.51551044	12551481.477
Ir	193	1	He	77.39958558	6050497.407

Sample Name	10607799010_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	289SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:28:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.962764	1.4	2838.050
Be	9	2	H2	0.032346	37.3	20.167
B	11	2	H2	12.632105	6.4	8535.443
Na	23	1	He	13741.46251	1.5	19017552.217
Mg	24	1	He	24200.11189	1.9	18593989.723
Al	27	1	He	358.018337	1.4	149145.370
Si	28	2	H2	6085.653829	5.3	19850989.333
K	39	1	He	1313.634558	1.2	1596384.507
Ca	43	1	He	48833.25190	1.3	171583.467
Ca	44	1	He	49896.58217	1.7	2935904.107
Ti	47	1	He	8.700975	2.4	3284.317
V	51	1	He	1.560295	1.8	12651.240
Cr	52	1	He	1.571910	1.2	17173.470
Mn	55	1	He	40.364337	1.6	325972.523
Fe	56	1	He	258.736173	1.6	2535710.583
Co	59	1	He	0.172559	2.3	2736.217
Ni	60	1	He	0.959644	3.4	4250.517
Cu	63	1	He	0.508659	1.5	5178.760
Zn	66	1	He	3.661904	0.9	7506.260
As	75	1	He	0.641962	0.8	1249.377
Se	78	2	H2	6.894105	1.9	5747.933
Sr	88	1	He	259.055546	1.3	3796355.047
Mo	95	1	He	0.608891	3.7	3718.767
Pd	105	1	He	0.043823	12.0	436.683
Ag	107	1	He	2.466386	79.8	46629.690
Cd	111	1	He	0.013093	21.4	48.883
Sn	118	1	He	0.073609	19.1	816.697
Sb	121	1	He	0.054717	9.9	736.690
Ba	138	1	He	43.016515	1.1	1353868.883
Pt	195	1	He	0.010294	20.8	193.343
Hg	202	1	He	0.008081	37.4	110.000
Tl	205	1	He	0.029112	8.0	1858.463
Pb	206	1	He	0.601261	2.3	8814.167
Pb	207	1	He	0.552009	4.1	7476.827
Pb	208	1	He	0.576915	2.3	34087.683
Bi	209	1	He	0.005630	76.9	1533.443
Th	232	1	He	0.092614	5.3	5926.487
U	238	1	He	0.809517	0.7	52663.483

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.81875813	763556.790
Sc	45	2	H2	70.43619443	4720754.667
Ge	72	1	He	68.61267151	464604.843
Ge	72	2	H2	70.86564359	1285398.957
In	115	1	He	72.71912158	5300782.900
Tb	159	1	He	77.91864902	12616758.560
Ir	193	1	He	76.21858748	5958176.163

Sample Name	10607799010_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	290SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:31:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.219826	21.4	172.833
Be	9	2	H2	0.001645	327.6	5.333
B	11	2	H2	-0.861947		1736.783
Na	23	1	He	698.730106	4.9	966275.143
Mg	24	1	He	1240.045915	5.5	942642.043
Al	27	1	He	19.879605	10.5	8329.247
Si	28	2	H2	312.207137	5.8	1027785.730
K	39	1	He	92.275312	6.5	196458.293
Ca	43	1	He	2480.995174	5.6	8609.527
Ca	44	1	He	2537.487376	4.5	147510.267
Ti	47	1	He	0.416503	6.7	157.333
V	51	1	He	0.077092	42.7	-583.037
Cr	52	1	He	0.129924	9.2	1767.427
Mn	55	1	He	2.022208	6.5	16749.777
Fe	56	1	He	13.805613	6.2	145126.013
Co	59	1	He	0.006103	16.4	166.667
Ni	60	1	He	-0.086665		298.000
Cu	63	1	He	0.046161	15.8	670.013
Zn	66	1	He	0.311397	2.8	779.353
As	75	1	He	0.033492	45.4	246.667
Se	78	2	H2	0.305848	3.9	269.000
Sr	88	1	He	12.705058	5.3	185708.337
Mo	95	1	He	0.039693	15.4	256.670
Pd	105	1	He	0.002792	147.8	53.333
Ag	107	1	He	1.755911	79.5	33726.877
Cd	111	1	He	0.000683	203.5	4.923
Sn	118	1	He	0.225009	3.3	2223.500
Sb	121	1	He	0.003330	8.3	111.667
Ba	138	1	He	2.212669	4.3	67646.513
Pt	195	1	He	0.003680	82.3	113.333
Hg	202	1	He	0.002238	38.2	73.333
Tl	205	1	He	-0.006738		315.010
Pb	206	1	He	0.040315	16.8	641.687
Pb	207	1	He	0.018717	27.3	978.370
Pb	208	1	He	0.032935	2.4	2825.113
Bi	209	1	He	-0.003391		1096.737
Th	232	1	He	0.005331	10.2	376.677
U	238	1	He	0.039760	5.7	2603.580

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.99760491	754576.437
Sc	45	2	H2	70.50706947	4725504.833
Ge	72	1	He	67.91565565	459885.060
Ge	72	2	H2	71.31757994	1293596.420
In	115	1	He	72.56838155	5289794.867
Tb	159	1	He	75.63751488	12247392.317
Ir	193	1	He	74.83872550	5850309.290

Sample Name	10607799011_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	291SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:35:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.602739	1.6	2637.853
Be	9	2	H2	0.007807	23.6	8.333
B	11	2	H2	10.330673	6.8	7368.257
Na	23	1	He	6501.312004	0.7	9012441.117
Mg	24	1	He	29699.83084	0.8	22840042.993
Al	27	1	He	20.292505	3.5	8630.353
Si	28	2	H2	5790.827859	5.5	18902366.667
K	39	1	He	1109.822363	0.8	1364444.403
Ca	43	1	He	44772.65562	0.4	157460.800
Ca	44	1	He	45954.43125	1.0	2706402.507
Ti	47	1	He	0.341416	18.5	131.333
V	51	1	He	1.256136	14.9	9938.773
Cr	52	1	He	2.141514	1.1	23270.230
Mn	55	1	He	0.925371	2.6	8143.850
Fe	56	1	He	20.640067	1.0	213907.453
Co	59	1	He	0.027678	9.8	500.677
Ni	60	1	He	0.306861	10.0	1782.763
Cu	63	1	He	0.278286	3.9	2932.253
Zn	66	1	He	11.817788	2.8	23822.473
As	75	1	He	0.233827	2.5	578.010
Se	78	2	H2	0.167623	12.0	151.000
Sr	88	1	He	110.840279	1.0	1611188.620
Mo	95	1	He	0.682397	3.1	4158.870
Pd	105	1	He	0.018356	41.6	196.673
Ag	107	1	He	1.429979	78.1	27099.047
Cd	111	1	He	0.025947	23.6	93.750
Sn	118	1	He	0.202270	10.0	1998.470
Sb	121	1	He	5.875629	0.6	70909.397
Ba	138	1	He	43.692511	1.0	1359298.313
Pt	195	1	He	0.014229	54.4	236.673
Hg	202	1	He	0.006527	133.5	100.000
Tl	205	1	He	0.019529	15.2	1431.750
Pb	206	1	He	0.079064	2.7	1211.723
Pb	207	1	He	0.064680	16.1	1546.757
Pb	208	1	He	0.076287	2.3	5333.717
Bi	209	1	He	0.000984	330.3	1310.080
Th	232	1	He	0.011332	13.5	755.027
U	238	1	He	1.241322	0.9	79726.967

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.88091948	764236.603
Sc	45	2	H2	70.49475008	4724679.167
Ge	72	1	He	68.50820687	463897.470
Ge	72	2	H2	70.29044333	1274965.667
In	115	1	He	72.12804798	5257697.220
Tb	159	1	He	77.02332963	12471786.480
Ir	193	1	He	75.28353130	5885080.747

Sample Name	10607799011_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	292SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:38:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.223332	8.4	181.167
Be	9	2	H2	0.001785	265.7	5.667
B	11	2	H2	-1.340754		1556.763
Na	23	1	He	323.235353	1.2	478715.473
Mg	24	1	He	1484.885241	1.8	1190716.887
Al	27	1	He	2.285687	7.4	1177.040
Si	28	2	H2	289.205102	6.6	990846.750
K	39	1	He	77.000685	1.2	189022.143
Ca	43	1	He	2216.241054	1.7	8117.477
Ca	44	1	He	2285.100320	0.7	140164.053
Ti	47	1	He	0.009103	96.4	6.000
V	51	1	He	-0.016827		-1481.323
Cr	52	1	He	0.113602	3.4	1684.753
Mn	55	1	He	-0.002585		686.017
Fe	56	1	He	1.793972	2.1	31164.100
Co	59	1	He	-0.000408		71.333
Ni	60	1	He	-0.122107		174.000
Cu	63	1	He	0.013286	16.5	375.343
Zn	66	1	He	0.531428	9.6	1283.383
As	75	1	He	0.016152	84.4	231.167
Se	78	2	H2	0.013210	38.2	24.667
Sr	88	1	He	5.223814	2.4	80684.197
Mo	95	1	He	0.035508	21.2	243.337
Pd	105	1	He	0.002896	106.0	56.667
Ag	107	1	He	1.299508	78.7	26247.783
Cd	111	1	He	0.003321	70.1	14.927
Sn	118	1	He	0.109267	12.0	1208.393
Sb	121	1	He	0.282542	0.9	3687.107
Ba	138	1	He	2.179181	0.2	70335.883
Pt	195	1	He	0.005193	61.7	136.667
Hg	202	1	He	0.003256	131.6	83.333
Tl	205	1	He	-0.010147		183.333
Pb	206	1	He	0.003463	24.7	130.000
Pb	207	1	He	-0.002894		761.690
Pb	208	1	He	0.002519	51.5	1195.030
Bi	209	1	He	-0.005784		1043.390
Th	232	1	He	0.001165	50.3	123.333
U	238	1	He	0.059819	4.3	4117.257

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.71130437	795190.457
Sc	45	2	H2	73.32772238	4914549.833
Ge	72	1	He	71.72937774	485709.353
Ge	72	2	H2	73.57127132	1334475.080
In	115	1	He	76.48183427	5575061.833
Tb	159	1	He	79.76831054	12916259.810
Ir	193	1	He	79.31488931	6200220.950

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	293_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:42:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.327694	4.7	42594.267
Be	9	2	H2	75.300561	4.0	35798.413
B	11	2	H2	73.057887	2.5	38630.500
Na	23	1	He	2013.033218	1.2	2781044.127
Mg	24	1	He	2000.195092	1.8	1530510.083
Al	27	1	He	1938.246033	1.0	802144.190
Si	28	2	H2	938.312603	5.1	3039823.083
K	39	1	He	2049.430829	1.0	2424593.350
Ca	43	1	He	1956.939355	0.9	6844.833
Ca	44	1	He	1958.642012	0.6	114731.163
Ti	47	1	He	75.647117	1.8	28376.033
V	51	1	He	80.243325	0.8	710829.287
Cr	52	1	He	80.311823	1.2	852306.543
Mn	55	1	He	82.077531	0.8	658435.310
Fe	56	1	He	1016.774686	1.5	9872714.667
Co	59	1	He	80.568760	1.1	1263002.207
Ni	60	1	He	81.245910	0.6	312358.657
Cu	63	1	He	83.121216	0.4	822116.480
Zn	66	1	He	79.641420	0.2	162477.640
As	75	1	He	77.617163	0.3	129772.847
Se	78	2	H2	75.185875	0.4	62759.393
Sr	88	1	He	73.242741	0.4	1073435.557
Mo	95	1	He	80.585861	1.0	497878.887
Pd	105	1	He	75.860086	1.9	709540.877
Ag	107	1	He	39.480707	5.9	736426.943
Cd	111	1	He	75.370882	0.6	267431.690
Sn	118	1	He	75.881321	1.7	707017.077
Sb	121	1	He	72.925973	2.0	886424.520
Ba	138	1	He	77.707825	1.3	2406195.743
Pt	195	1	He	76.563083	0.5	882271.520
Hg	202	1	He	3.542494	1.6	20646.837
Tl	205	1	He	39.854713	0.3	1678433.253
Pb	206	1	He	78.719429	1.5	1125640.453
Pb	207	1	He	81.718250	0.7	976389.570
Pb	208	1	He	80.440945	0.9	4537192.437
Bi	209	1	He	83.623742	0.3	3711768.590
Th	232	1	He	77.756965	1.1	4964524.510
U	238	1	He	75.236138	1.2	4913478.780

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.42798291	759283.167
Sc	45	2	H2	69.81794706	4679318.667
Ge	72	1	He	69.72470060	472134.853
Ge	72	2	H2	71.08881946	1289447.040
In	115	1	He	72.71879233	5300758.900
Tb	159	1	He	76.66219939	12413311.480
Ir	193	1	He	76.61749837	5989359.913

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	294_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:46:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.014514	193.7	55.167
Be	9	2	H2	0.021494	28.0	14.500
B	11	2	H2	-1.369698		1443.420
Na	23	1	He	2.501525	8.9	15650.050
Mg	24	1	He	-2.055985		913.367
Al	27	1	He	1.099812	5.4	620.343
Si	28	2	H2	-0.065922		8516.013
K	39	1	He	25.557065	2.2	119471.350
Ca	43	1	He	1.875299	63.5	13.780
Ca	44	1	He	0.875622	24.8	179.173
Ti	47	1	He	0.026486	54.2	12.000
V	51	1	He	-0.068018		-1830.920
Cr	52	1	He	-0.002121		373.340
Mn	55	1	He	-0.056295		220.000
Fe	56	1	He	0.114735	15.3	13197.507
Co	59	1	He	0.002852	52.5	116.667
Ni	60	1	He	-0.141837		90.667
Cu	63	1	He	-0.002861		198.667
Zn	66	1	He	0.017349	100.0	194.000
As	75	1	He	-0.003511		186.000
Se	78	2	H2	0.011058	68.5	21.333
Sr	88	1	He	0.006272	28.6	260.007
Mo	95	1	He	0.035623	13.3	230.000
Pd	105	1	He	0.005433	23.2	76.667
Ag	107	1	He	0.426531	4.1	8535.500
Cd	111	1	He	0.001674	177.6	8.263
Sn	118	1	He	0.018856	22.8	303.343
Sb	121	1	He	0.012552	29.8	221.670
Ba	138	1	He	0.006660	20.6	320.010
Pt	195	1	He	0.007489	32.1	153.340
Hg	202	1	He	0.032556	22.9	243.343
Tl	205	1	He	0.044811	29.5	2416.887
Pb	206	1	He	0.008889	24.1	196.667
Pb	207	1	He	0.003469	256.2	785.027
Pb	208	1	He	0.007333	39.0	1380.037
Bi	209	1	He	0.001914	150.9	1306.750
Th	232	1	He	0.011433	11.9	756.693
U	238	1	He	0.005069	9.1	391.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.01468660	743826.977
Sc	45	2	H2	68.48983774	4590306.500
Ge	72	1	He	67.52553283	457243.377
Ge	72	2	H2	68.84191804	1248691.540
In	115	1	He	71.93605432	5243702.047
Tb	159	1	He	74.54204278	12070011.070
Ir	193	1	He	74.79618848	5846984.077

Sample Name	4322453_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	295SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:49:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.458713	4.4	60107.250
Be	9	2	H2	103.399947	4.0	49750.987
B	11	2	H2	110.358433	5.2	57977.210
Na	23	1	He	8855.198497	1.1	12258088.153
Mg	24	1	He	32791.24998	1.3	25190811.290
Al	27	1	He	2138.626267	0.7	889928.627
Si	28	2	H2	6492.142410	5.9	21237848.667
K	39	1	He	3364.814525	0.7	3942751.610
Ca	43	1	He	49260.80388	0.8	173064.493
Ca	44	1	He	49870.21469	2.1	2933815.373
Ti	47	1	He	102.966527	1.1	38837.200
V	51	1	He	112.831440	1.1	1005497.007
Cr	52	1	He	112.030305	1.0	1195266.960
Mn	55	1	He	109.611157	1.1	883903.417
Fe	56	1	He	2218.364133	1.4	21643456.667
Co	59	1	He	111.072871	0.9	1721277.377
Ni	60	1	He	108.807097	0.9	413332.780
Cu	63	1	He	110.140803	0.5	1076839.373
Zn	66	1	He	119.813611	0.1	241559.680
As	75	1	He	107.207950	0.4	177126.117
Se	78	2	H2	101.989409	0.7	86031.267
Sr	88	1	He	222.334466	1.4	3158704.537
Mo	95	1	He	112.718725	0.7	688480.277
Pd	105	1	He	20.011857	1.3	181497.420
Ag	107	1	He	49.110184	4.7	888268.347
Cd	111	1	He	103.691869	0.5	356709.740
Sn	118	1	He	103.774172	0.9	937397.460
Sb	121	1	He	108.973968	0.2	1284240.320
Ba	138	1	He	153.980573	1.2	4750432.323
Pt	195	1	He	20.466523	1.3	235026.903
Hg	202	1	He	0.029174	17.6	230.010
Tl	205	1	He	109.515055	2.0	4593875.350
Pb	206	1	He	109.613138	1.5	1561572.113
Pb	207	1	He	107.693276	0.6	1281849.250
Pb	208	1	He	108.562535	0.6	6100561.943
Bi	209	1	He	109.582769	1.2	4845628.470
Th	232	1	He	112.184693	1.3	6973771.150
U	238	1	He	108.095785	1.1	6873295.313

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.81062586	763467.853
Sc	45	2	H2	70.64531322	4734770.167
Ge	72	1	He	68.92875662	466745.187
Ge	72	2	H2	71.84712657	1303201.620
In	115	1	He	70.50051591	5139060.003
Tb	159	1	He	76.38353160	12368188.980
Ir	193	1	He	74.59616273	5831347.620

Sample Name	10607799012_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	296SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:53:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	8.849162	2.7	4867.800
Be	9	2	H2	0.068259	7.1	36.167
B	11	2	H2	15.827409	13.6	9852.887
Na	23	1	He	5683.465415	0.8	7923888.633
Mg	24	1	He	56654.65032	1.1	43808906.017
Al	27	1	He	607.019617	1.6	254388.363
Si	28	2	H2	7789.976432	6.4	24628419.333
K	39	1	He	1913.050948	1.3	2296935.800
Ca	43	1	He	133986.3080	1.1	473812.370
Ca	44	1	He	136656.9793	1.7	8092845.647
Ti	47	1	He	5.665691	20.6	2152.347
V	51	1	He	1.152674	3.6	9072.900
Cr	52	1	He	1.220460	2.4	13511.727
Mn	55	1	He	591.829171	1.5	4801078.500
Fe	56	1	He	1045.494405	1.1	10274500.333
Co	59	1	He	0.688393	1.6	10677.190
Ni	60	1	He	9.390459	1.9	36027.860
Cu	63	1	He	0.848605	0.9	8473.353
Zn	66	1	He	8.899981	1.4	17983.697
As	75	1	He	3.052577	1.1	5201.427
Se	78	2	H2	3.881724	2.9	3143.950
Sr	88	1	He	167.372612	2.3	2416306.057
Mo	95	1	He	5.453155	1.3	33119.783
Pd	105	1	He	0.035118	18.8	350.013
Ag	107	1	He	1.246569	67.7	23531.173
Cd	111	1	He	0.021286	27.7	76.730
Sn	118	1	He	0.289605	4.6	2786.920
Sb	121	1	He	0.636981	5.1	7698.463
Ba	138	1	He	17.940782	0.7	565125.527
Pt	195	1	He	0.009143	58.3	180.003
Hg	202	1	He	0.010313	8.3	123.333
Tl	205	1	He	0.057968	2.0	3095.327
Pb	206	1	He	0.814472	3.2	11919.530
Pb	207	1	He	0.777333	5.3	10216.690
Pb	208	1	He	0.787960	1.8	46212.853
Bi	209	1	He	0.017621	31.0	2076.847
Th	232	1	He	0.269744	2.3	16932.603
U	238	1	He	0.341410	0.7	21933.837

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.26482368	768435.083
Sc	45	2	H2	68.24521305	4573911.333
Ge	72	1	He	68.50318823	463863.487
Ge	72	2	H2	68.72931487	1246649.083
In	115	1	He	71.63293354	5221606.380
Tb	159	1	He	77.96955825	12625001.893
Ir	193	1	He	75.12981885	5873064.703

Sample Name	10607799012_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	297SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:56:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.437002	11.0	302.500
Be	9	2	H2	0.012306	55.5	10.667
B	11	2	H2	-0.792694		1823.467
Na	23	1	He	287.031330	0.9	418432.440
Mg	24	1	He	2909.529040	1.6	2286114.497
Al	27	1	He	31.698688	1.2	13657.760
Si	28	2	H2	408.012714	5.3	1374816.833
K	39	1	He	115.213393	2.6	230080.557
Ca	43	1	He	6686.082372	1.5	24006.697
Ca	44	1	He	6917.149395	1.0	415933.140
Ti	47	1	He	0.179080	24.1	71.333
V	51	1	He	-0.026923		-1544.937
Cr	52	1	He	0.073225	4.6	1212.713
Mn	55	1	He	29.562048	1.1	244080.523
Fe	56	1	He	53.428575	1.5	545005.063
Co	59	1	He	0.034078	5.4	618.013
Ni	60	1	He	0.343861	10.8	1982.780
Cu	63	1	He	0.048336	8.3	720.687
Zn	66	1	He	0.517655	7.2	1236.047
As	75	1	He	0.160232	1.6	471.510
Se	78	2	H2	0.177505	4.3	164.000
Sr	88	1	He	7.885250	0.4	120051.373
Mo	95	1	He	0.262390	4.4	1660.100
Pd	105	1	He	0.007819	81.5	103.337
Ag	107	1	He	1.025166	85.3	20472.023
Cd	111	1	He	0.002358	67.1	11.170
Sn	118	1	He	0.127030	4.1	1363.400
Sb	121	1	He	0.033353	17.4	495.010
Ba	138	1	He	0.932122	8.1	29871.437
Pt	195	1	He	0.005568	79.7	140.000
Hg	202	1	He	0.003323	223.5	83.333
Tl	205	1	He	0.000450	361.9	641.687
Pb	206	1	He	0.040633	11.1	676.687
Pb	207	1	He	0.042095	6.3	1308.400
Pb	208	1	He	0.043013	2.2	3538.510
Bi	209	1	He	0.001502	197.0	1366.753
Th	232	1	He	0.016798	10.1	1141.720
U	238	1	He	0.016228	11.4	1155.060

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.32680581	780049.207
Sc	45	2	H2	72.33035660	4847704.667
Ge	72	1	He	70.63884243	478324.887
Ge	72	2	H2	72.41729426	1313543.627
In	115	1	He	75.43988974	5499110.397
Tb	159	1	He	79.03541482	12797587.727
Ir	193	1	He	78.30365517	6121170.533

Sample Name	10607799013_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	298SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:00:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	10.351842	6.9	5738.547
Be	9	2	H2	0.261255	14.3	127.167
B	11	2	H2	32.673867	8.7	18212.557
Na	23	1	He	13244.70325	0.7	17914740.567
Mg	24	1	He	47095.85877	1.1	35363636.973
Al	27	1	He	3798.368552	1.1	1544771.667
Si	28	2	H2	11836.27793	6.8	37715401.333
K	39	1	He	3598.828408	0.8	4115298.377
Ca	43	1	He	43687.86657	0.7	150020.367
Ca	44	1	He	44651.07233	0.8	2567632.467
Ti	47	1	He	19.039980	9.4	7021.467
V	51	1	He	6.076903	1.2	51757.107
Cr	52	1	He	5.948381	1.3	62406.607
Mn	55	1	He	1287.430961	0.8	10140386.667
Fe	56	1	He	16375.19866	1.5	156085861.333
Co	59	1	He	3.230314	1.4	48706.757
Ni	60	1	He	7.236846	1.5	27280.607
Cu	63	1	He	3.023194	0.9	28934.563
Zn	66	1	He	109.126025	1.0	213765.133
As	75	1	He	0.832523	1.9	1524.900
Se	78	2	H2	0.129374	13.3	117.333
Sr	88	1	He	83.085476	0.3	1174309.593
Mo	95	1	He	0.334293	6.1	2000.133
Pd	105	1	He	0.034084	15.9	333.343
Ag	107	1	He	1.873702	82.7	34354.117
Cd	111	1	He	0.109212	4.7	376.077
Sn	118	1	He	2.248189	1.4	20325.493
Sb	121	1	He	0.496749	4.8	5892.743
Ba	138	1	He	33.043619	0.8	1030439.673
Pt	195	1	He	0.000967	313.4	83.333
Hg	202	1	He	0.015086	52.1	150.003
Tl	205	1	He	0.077292	3.8	3883.843
Pb	206	1	He	3.045512	1.2	43926.823
Pb	207	1	He	2.951348	1.8	36254.423
Pb	208	1	He	2.999749	1.2	171359.497
Bi	209	1	He	0.045179	8.3	3287.063
Th	232	1	He	1.309093	1.0	82386.333
U	238	1	He	0.171166	2.9	11082.360

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.23182553	746201.667
Sc	45	2	H2	68.79965772	4611071.167
Ge	72	1	He	66.96745742	453464.417
Ge	72	2	H2	69.01547800	1251839.663
In	115	1	He	70.12865036	5111953.260
Tb	159	1	He	77.19832878	12500122.727
Ir	193	1	He	75.47854675	5900325.537

Sample Name	10607799013_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	299SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:03:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.540492	11.2	359.833
Be	9	2	H2	0.020880	16.9	14.833
B	11	2	H2	0.044732	432.3	2236.857
Na	23	1	He	663.051406	0.9	971075.373
Mg	24	1	He	2418.433533	1.5	1943397.523
Al	27	1	He	193.316127	1.8	84207.007
Si	28	2	H2	633.850251	6.3	2115919.000
K	39	1	He	202.246703	2.3	339265.660
Ca	43	1	He	2198.492764	0.9	8076.670
Ca	44	1	He	2273.746635	1.1	139883.890
Ti	47	1	He	0.889142	13.8	352.673
V	51	1	He	0.327700	7.2	1725.903
Cr	52	1	He	0.298115	4.0	3745.733
Mn	55	1	He	65.280516	1.1	550248.663
Fe	56	1	He	843.815909	1.6	8608894.667
Co	59	1	He	0.167644	3.2	2797.560
Ni	60	1	He	0.241689	8.9	1619.413
Cu	63	1	He	0.348769	3.1	3809.753
Zn	66	1	He	5.751629	2.2	12300.240
As	75	1	He	0.023556	19.6	245.500
Se	78	2	H2	0.005744	51.2	18.000
Sr	88	1	He	4.030216	2.1	62890.367
Mo	95	1	He	0.020905	22.8	151.667
Pd	105	1	He	-0.000168		26.667
Ag	107	1	He	1.086664	74.9	22183.327
Cd	111	1	He	0.009044	22.9	36.620
Sn	118	1	He	0.228213	4.5	2396.860
Sb	121	1	He	0.028840	18.4	448.343
Ba	138	1	He	1.698868	1.0	56091.350
Pt	195	1	He	0.001673	58.3	96.667
Hg	202	1	He	0.003469	28.4	86.667
Tl	205	1	He	-0.003682		476.677
Pb	206	1	He	0.161591	4.7	2538.563
Pb	207	1	He	0.151922	1.2	2745.263
Pb	208	1	He	0.157320	1.9	10509.723
Bi	209	1	He	-0.000637		1310.087
Th	232	1	He	0.061863	4.2	4187.273
U	238	1	He	0.008538	18.9	658.357

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.92971765	797579.083
Sc	45	2	H2	71.78816915	4811366.333
Ge	72	1	He	72.14973403	488555.760
Ge	72	2	H2	72.54458293	1315852.457
In	115	1	He	77.21782582	5628711.153
Tb	159	1	He	81.55754174	13205976.050
Ir	193	1	He	80.31987386	6278782.823

Sample Name	10607799014_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	300SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:07:32
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.242471	6.4	2432.823
Be	9	2	H2	0.116634	6.3	60.333
B	11	2	H2	15.094070	10.5	9779.413
Na	23	1	He	9135.706658	1.4	12941547.310
Mg	24	1	He	41684.22928	1.9	32769834.513
Al	27	1	He	1072.816036	1.6	456935.013
Si	28	2	H2	8667.976593	7.1	28247217.333
K	39	1	He	1973.188439	1.6	2405610.170
Ca	43	1	He	103830.9532	1.0	373305.133
Ca	44	1	He	105183.7082	1.7	6332627.327
Ti	47	1	He	8.147355	7.6	3148.307
V	51	1	He	6.147609	2.3	54838.010
Cr	52	1	He	8.014659	1.5	87894.660
Mn	55	1	He	355.589473	1.3	2932970.000
Fe	56	1	He	1893.346217	1.4	18906592.000
Co	59	1	He	1.568501	3.7	24535.323
Ni	60	1	He	100.351640	1.6	383748.790
Cu	63	1	He	4.336589	2.5	42892.860
Zn	66	1	He	836.427530	2.8	1696037.040
As	75	1	He	11.351678	1.7	19052.463
Se	78	2	H2	3.901570	2.3	3257.970
Sr	88	1	He	148.096952	0.8	2177270.800
Mo	95	1	He	23.320549	1.6	143375.643
Pd	105	1	He	0.040132	12.5	403.347
Ag	107	1	He	1.588913	74.2	30342.177
Cd	111	1	He	0.138527	17.7	495.337
Sn	118	1	He	62.815157	0.4	587185.800
Sb	121	1	He	23.727850	0.9	289400.900
Ba	138	1	He	48.705307	1.4	1551785.343
Pt	195	1	He	0.014624	54.3	246.673
Hg	202	1	He	0.017350	39.8	166.667
Tl	205	1	He	2.256448	1.9	98372.957
Pb	206	1	He	2.367596	2.8	34908.167
Pb	207	1	He	2.253021	3.1	28463.760
Pb	208	1	He	2.281281	0.8	133401.243
Bi	209	1	He	0.021430	22.4	2273.557
Th	232	1	He	0.519231	2.1	33206.967
U	238	1	He	12.160916	0.9	794496.160

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.44403835	781331.293
Sc	45	2	H2	70.37331929	4716540.667
Ge	72	1	He	69.38814168	469855.873
Ge	72	2	H2	70.86741955	1285431.170
In	115	1	He	72.95067893	5317662.027
Tb	159	1	He	78.88150345	12772666.060
Ir	193	1	He	76.63845104	5990997.830

Sample Name	10607799014_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	301SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:11:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.216712	5.9	176.333
Be	9	2	H2	0.015708	51.1	12.500
B	11	2	H2	-0.922232		1763.453
Na	23	1	He	460.365276	0.9	685276.993
Mg	24	1	He	2155.795454	0.9	1750631.380
Al	27	1	He	56.777104	3.2	25125.013
Si	28	2	H2	464.668703	6.4	1577147.417
K	39	1	He	120.896088	0.5	244549.503
Ca	43	1	He	5217.822400	0.3	19356.143
Ca	44	1	He	5408.150471	0.7	335968.610
Ti	47	1	He	0.553356	22.7	222.677
V	51	1	He	0.324833	23.7	1718.553
Cr	52	1	He	0.417993	0.9	5134.090
Mn	55	1	He	17.958194	0.6	153452.057
Fe	56	1	He	97.276337	0.4	1014339.043
Co	59	1	He	0.077325	3.1	1347.390
Ni	60	1	He	5.049633	1.1	20937.487
Cu	63	1	He	0.222460	2.1	2545.527
Zn	66	1	He	41.998294	1.2	89729.230
As	75	1	He	0.574557	2.6	1210.540
Se	78	2	H2	0.206623	8.3	193.333
Sr	88	1	He	7.126944	0.7	111422.043
Mo	95	1	He	1.168073	3.4	7568.363
Pd	105	1	He	0.004511	46.7	73.333
Ag	107	1	He	1.029605	76.3	21089.963
Cd	111	1	He	0.005308	99.2	22.730
Sn	118	1	He	3.576096	0.9	35623.717
Sb	121	1	He	1.171730	3.5	15246.900
Ba	138	1	He	2.391614	1.0	78188.313
Pt	195	1	He	0.002832	115.1	110.000
Hg	202	1	He	-0.000219		63.333
Tl	205	1	He	0.118810	1.2	5907.823
Pb	206	1	He	0.125486	8.4	1970.143
Pb	207	1	He	0.109799	6.5	2190.180
Pb	208	1	He	0.116898	5.6	8009.163
Bi	209	1	He	0.001129	132.7	1380.090
Th	232	1	He	0.026929	4.0	1825.127
U	238	1	He	0.598143	1.1	40487.513

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	73.68161570	805802.043
Sc	45	2	H2	72.94040513	4888591.167
Ge	72	1	He	72.94972394	493972.823
Ge	72	2	H2	74.19113726	1345718.540
In	115	1	He	77.45407424	5645932.230
Tb	159	1	He	80.80814634	13084632.303
Ir	193	1	He	79.26577761	6196381.780

Sample Name	10607799015_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	302SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:14:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	9.113027	3.7	4855.963
Be	9	2	H2	0.027460	10.7	16.667
B	11	2	H2	5.935166	4.5	4844.050
Na	23	1	He	11812.40735	1.9	15935957.680
Mg	24	1	He	69751.36013	2.1	52232589.223
Al	27	1	He	37.608614	3.3	15426.440
Si	28	2	H2	330.039123	5.8	1018513.333
K	39	1	He	2346.948404	1.5	2708364.853
Ca	43	1	He	213012.2580	1.5	729499.677
Ca	44	1	He	217340.8174	1.5	12464598.343
Ti	47	1	He	0.840853	8.0	311.333
V	51	1	He	0.300842	16.9	1378.387
Cr	52	1	He	1.092310	1.8	11752.493
Mn	55	1	He	3907.866364	1.9	30697014.667
Fe	56	1	He	35579.02471	1.8	338213749.333
Co	59	1	He	0.583385	1.1	8738.803
Ni	60	1	He	1.083701	3.5	4544.587
Cu	63	1	He	0.585413	4.6	5705.593
Zn	66	1	He	3.220990	1.6	6378.483
As	75	1	He	0.282696	8.7	634.843
Se	78	2	H2	0.083391	2.7	78.667
Sr	88	1	He	469.736362	1.6	6685247.817
Mo	95	1	He	0.437990	7.4	2580.223
Pd	105	1	He	0.064294	9.4	610.027
Ag	107	1	He	1.823632	83.3	33770.007
Cd	111	1	He	0.109825	6.8	380.903
Sn	118	1	He	0.217159	3.5	2091.820
Sb	121	1	He	0.032251	12.4	450.010
Ba	138	1	He	19.087911	0.7	588384.197
Pt	195	1	He	0.008916	31.5	173.337
Hg	202	1	He	0.007840	177.5	106.670
Tl	205	1	He	0.009633	29.4	1003.377
Pb	206	1	He	0.146030	2.1	2153.503
Pb	207	1	He	0.122817	8.5	2223.507
Pb	208	1	He	0.139304	2.7	8822.687
Bi	209	1	He	0.003859	49.3	1423.427
Th	232	1	He	0.026662	2.8	1690.113
U	238	1	He	0.036862	3.5	2396.877

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.05465117	744264.040
Sc	45	2	H2	66.11609968	4431214.500
Ge	72	1	He	66.08553189	447492.533
Ge	72	2	H2	67.84276091	1230568.293
In	115	1	He	70.62752831	5148318.437
Tb	159	1	He	76.30714203	12355819.813
Ir	193	1	He	74.12489562	5794507.623

Sample Name	10607799015_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	303SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:18:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.486551	5.9	336.667
Be	9	2	H2	0.006732	39.4	8.167
B	11	2	H2	-1.596580		1430.083
Na	23	1	He	591.073314	1.5	861307.880
Mg	24	1	He	3593.206546	1.7	2866909.437
Al	27	1	He	3.035970	7.1	1496.397
Si	28	2	H2	18.034868	7.8	70820.433
K	39	1	He	136.231365	1.2	258649.363
Ca	43	1	He	10696.15977	0.9	39003.717
Ca	44	1	He	11036.37574	1.1	673933.840
Ti	47	1	He	0.043275	18.8	19.333
V	51	1	He	0.061596	90.4	-748.460
Cr	52	1	He	0.083786	10.0	1348.053
Mn	55	1	He	202.811604	1.3	1696668.750
Fe	56	1	He	1845.017584	1.9	18682788.667
Co	59	1	He	0.028113	10.5	531.343
Ni	60	1	He	-0.077736		349.337
Cu	63	1	He	0.498695	1.9	5313.470
Zn	66	1	He	0.159779	24.2	504.677
As	75	1	He	-0.016253		175.667
Se	78	2	H2	0.008995	106.1	21.000
Sr	88	1	He	22.591040	0.7	352129.263
Mo	95	1	He	0.020545	45.1	148.333
Pd	105	1	He	0.006513	63.2	93.333
Ag	107	1	He	1.529125	77.6	31130.597
Cd	111	1	He	0.006826	124.8	28.290
Sn	118	1	He	0.201722	10.8	2136.833
Sb	121	1	He	0.004300	48.4	131.667
Ba	138	1	He	0.968159	0.9	31898.550
Pt	195	1	He	0.002537	97.2	106.667
Hg	202	1	He	0.000866	693.7	70.000
Tl	205	1	He	-0.006330		356.673
Pb	206	1	He	0.008014	25.2	201.667
Pb	207	1	He	0.003637	90.4	858.363
Pb	208	1	He	0.006650	19.3	1465.040
Bi	209	1	He	-0.002089		1236.743
Th	232	1	He	0.001472	45.0	145.000
U	238	1	He	0.002344	23.4	233.340

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.44847130	792316.043
Sc	45	2	H2	73.62350462	4934373.667
Ge	72	1	He	71.73580968	485752.907
Ge	72	2	H2	73.62320275	1335417.040
In	115	1	He	77.31268959	5635626.147
Tb	159	1	He	81.24556324	13155459.807
Ir	193	1	He	80.02117175	6255432.617

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	304_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:21:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	73.072408	5.0	42047.207
Be	9	2	H2	72.116965	4.5	35351.410
B	11	2	H2	68.771709	3.9	37635.073
Na	23	1	He	2036.980966	4.8	2763846.833
Mg	24	1	He	2026.488835	5.3	1522768.673
Al	27	1	He	1962.988385	4.9	797879.627
Si	28	2	H2	919.514470	5.3	3071653.167
K	39	1	He	2073.485272	5.3	2407971.217
Ca	43	1	He	1983.822952	2.9	6819.010
Ca	44	1	He	1975.656560	4.6	113670.733
Ti	47	1	He	77.125839	5.2	28412.103
V	51	1	He	82.321578	4.7	716266.760
Cr	52	1	He	82.475747	4.7	859663.750
Mn	55	1	He	83.221627	4.9	655664.687
Fe	56	1	He	1042.574611	5.5	9940345.667
Co	59	1	He	82.578708	4.6	1272896.707
Ni	60	1	He	82.696494	4.9	312573.753
Cu	63	1	He	84.926964	5.2	825746.190
Zn	66	1	He	81.290946	5.6	163005.230
As	75	1	He	78.905614	5.2	129686.820
Se	78	2	H2	74.414744	0.6	64023.553
Sr	88	1	He	74.724551	4.8	1076871.990
Mo	95	1	He	82.792501	5.5	502813.170
Pd	105	1	He	78.276676	5.2	719818.923
Ag	107	1	He	41.167759	1.8	756721.943
Cd	111	1	He	76.594572	5.3	267190.480
Sn	118	1	He	77.556024	5.5	710397.023
Sb	121	1	He	74.640714	5.5	891947.250
Ba	138	1	He	78.966342	5.5	2433333.450
Pt	195	1	He	77.765177	4.0	892175.793
Hg	202	1	He	3.504346	7.7	20319.990
Tl	205	1	He	40.596372	4.4	1701927.057
Pb	206	1	He	80.000762	4.5	1138745.843
Pb	207	1	He	83.634328	4.4	994739.073
Pb	208	1	He	82.200240	4.5	4615251.233
Bi	209	1	He	84.970460	5.1	3753761.197
Th	232	1	He	79.474955	4.9	5010802.217
U	238	1	He	77.340950	4.8	4987787.740

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.28876329	746824.353
Sc	45	2	H2	72.00184368	4825687.167
Ge	72	1	He	68.66645889	464969.060
Ge	72	2	H2	73.27340640	1329072.247
In	115	1	He	71.62280041	5220867.737
Tb	159	1	He	76.41937445	12373992.733
Ir	193	1	He	75.75553398	5921978.243

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	305_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:25:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.014326	22.7	57.667
Be	9	2	H2	0.021149	24.7	15.000
B	11	2	H2	-1.292820		1550.097
Na	23	1	He	0.775304	20.9	13858.623
Mg	24	1	He	-1.874288		1091.710
Al	27	1	He	1.323367	20.4	740.033
Si	28	2	H2	0.595386	147.6	11085.667
K	39	1	He	23.455987	2.6	121827.000
Ca	43	1	He	3.819352	67.7	21.293
Ca	44	1	He	1.410698	88.3	217.950
Ti	47	1	He	0.014754	34.6	8.000
V	51	1	He	-0.033817		-1593.827
Cr	52	1	He	0.000520	620.8	416.673
Mn	55	1	He	-0.011996		590.677
Fe	56	1	He	0.423258	3.2	16775.803
Co	59	1	He	0.005490	16.4	163.333
Ni	60	1	He	-0.134413		123.333
Cu	63	1	He	0.005451	43.0	290.000
Zn	66	1	He	0.050596	61.3	270.667
As	75	1	He	-0.007010		188.000
Se	78	2	H2	0.015399	73.7	26.000
Sr	88	1	He	0.010533	43.4	336.673
Mo	95	1	He	0.042304	26.0	281.673
Pd	105	1	He	0.011279	50.9	136.670
Ag	107	1	He	2.277384	69.3	44681.407
Cd	111	1	He	0.012916	18.4	49.913
Sn	118	1	He	0.069287	13.9	803.363
Sb	121	1	He	0.016388	24.9	280.007
Ba	138	1	He	0.010235	19.7	450.010
Pt	195	1	He	0.009869	59.0	190.007
Hg	202	1	He	0.024163	44.4	206.673
Tl	205	1	He	0.048680	13.9	2711.927
Pb	206	1	He	0.014874	24.5	295.007
Pb	207	1	He	0.002474	374.6	815.030
Pb	208	1	He	0.009341	40.5	1570.050
Bi	209	1	He	0.007653	68.0	1636.787
Th	232	1	He	0.012449	26.3	865.033
U	238	1	He	0.009178	22.8	690.023

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.74022952	773634.250
Sc	45	2	H2	71.84594396	4815238.500
Ge	72	1	He	70.37987980	476571.343
Ge	72	2	H2	72.22698341	1310091.667
In	115	1	He	75.24388866	5484823.107
Tb	159	1	He	78.42328697	12698470.643
Ir	193	1	He	78.96660914	6172995.117

Sample Name	10607799016_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	306SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:28:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	10.005556	4.6	5901.093
Be	9	2	H2	0.030570	11.8	20.000
B	11	2	H2	15.780234	9.3	10526.503
Na	23	1	He	7281.632565	2.8	10125420.890
Mg	24	1	He	20411.47520	2.9	15748651.847
Al	27	1	He	40.524485	2.9	17111.540
Si	28	2	H2	7021.675581	6.0	23817484.000
K	39	1	He	877.230549	3.6	1101554.880
Ca	43	1	He	47339.21565	3.0	167020.947
Ca	44	1	He	48363.15548	3.1	2857427.160
Ti	47	1	He	0.649364	14.8	248.670
V	51	1	He	0.562063	2.1	3759.843
Cr	52	1	He	0.622236	6.2	7079.720
Mn	55	1	He	4.418793	3.7	36437.217
Fe	56	1	He	47.643319	2.8	479050.313
Co	59	1	He	0.037528	4.6	654.017
Ni	60	1	He	0.232952	4.5	1508.070
Cu	63	1	He	0.342664	2.0	3565.700
Zn	66	1	He	4.990084	3.7	10172.243
As	75	1	He	0.568855	7.7	1128.873
Se	78	2	H2	0.584271	4.7	512.677
Sr	88	1	He	145.927958	4.0	2149263.510
Mo	95	1	He	0.149947	7.1	928.367
Pd	105	1	He	0.020912	8.0	223.340
Ag	107	1	He	2.057478	77.6	39380.823
Cd	111	1	He	0.040471	18.5	146.387
Sn	118	1	He	0.173355	7.4	1755.107
Sb	121	1	He	0.088697	9.8	1155.053
Ba	138	1	He	11.948750	5.4	374878.313
Pt	195	1	He	0.011650	82.2	206.673
Hg	202	1	He	0.008099	52.9	110.000
Tl	205	1	He	0.016142	6.0	1300.067
Pb	206	1	He	0.113145	5.9	1715.110
Pb	207	1	He	0.097290	17.6	1956.810
Pb	208	1	He	0.104659	4.0	7002.300
Bi	209	1	He	0.014452	20.2	1930.163
Th	232	1	He	0.017684	20.1	1160.053
U	238	1	He	0.254227	5.1	16535.550

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.13436695	767008.373
Sc	45	2	H2	73.26338254	4910237.667
Ge	72	1	He	68.67458964	465024.117
Ge	72	2	H2	72.86469791	1321658.873
In	115	1	He	73.13852917	5331355.170
Tb	159	1	He	77.74329219	12588364.397
Ir	193	1	He	76.06522413	5946187.410

Sample Name	10607799016_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	307SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:32:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.512395	7.9	357.833
Be	9	2	H2	0.009502	35.5	9.667
B	11	2	H2	-1.032676		1753.453
Na	23	1	He	355.800402	0.6	535340.277
Mg	24	1	He	999.383577	1.3	817069.987
Al	27	1	He	3.301397	2.3	1647.077
Si	28	2	H2	362.954926	7.3	1266248.127
K	39	1	He	62.093886	2.6	174427.780
Ca	43	1	He	2343.737444	1.7	8743.083
Ca	44	1	He	2382.002463	2.1	148806.303
Ti	47	1	He	0.068789	25.9	30.000
V	51	1	He	-0.019802		-1536.983
Cr	52	1	He	0.073506	6.7	1262.050
Mn	55	1	He	0.183798	3.4	2292.153
Fe	56	1	He	2.981514	2.1	44025.937
Co	59	1	He	-0.000595		70.000
Ni	60	1	He	-0.127649		156.000
Cu	63	1	He	0.547288	3.1	5947.003
Zn	66	1	He	0.641962	5.7	1552.077
As	75	1	He	0.012886	28.8	231.167
Se	78	2	H2	0.030583	16.6	40.667
Sr	88	1	He	6.827070	0.7	108253.943
Mo	95	1	He	0.008954	21.6	76.667
Pd	105	1	He	0.003765	130.3	66.667
Ag	107	1	He	1.288653	84.6	26579.257
Cd	111	1	He	0.002343	127.2	11.643
Sn	118	1	He	0.149596	1.6	1646.767
Sb	121	1	He	0.002879	48.3	115.000
Ba	138	1	He	0.580071	1.1	19242.737
Pt	195	1	He	0.002216	57.7	103.333
Hg	202	1	He	0.009398	20.4	123.333
Tl	205	1	He	-0.004464		441.677
Pb	206	1	He	0.026615	23.1	485.013
Pb	207	1	He	0.018982	40.4	1056.717
Pb	208	1	He	0.024038	9.1	2513.437
Bi	209	1	He	0.000558	720.7	1366.757
Th	232	1	He	0.001562	39.1	151.667
U	238	1	He	0.012787	10.5	951.703

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.05692068	809906.480
Sc	45	2	H2	74.83893653	5015834.000
Ge	72	1	He	73.45400360	497387.510
Ge	72	2	H2	75.50324948	1369518.333
In	115	1	He	78.55458994	5726153.150
Tb	159	1	He	81.57302757	13208483.550
Ir	193	1	He	80.51036139	6293673.657

Sample Name	10607799017_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	308SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:36:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.998898	1.0	3202.607
Be	9	2	H2	0.016862	84.0	12.000
B	11	2	H2	13.625797	7.1	8472.097
Na	23	1	He	9475.504893	0.9	12983410.640
Mg	24	1	He	85189.61930	0.9	64779839.033
Al	27	1	He	39.353865	0.4	16384.557
Si	28	2	H2	6001.054001	6.8	18347872.667
K	39	1	He	2620.826065	0.5	3060359.533
Ca	43	1	He	240239.9256	0.4	835459.723
Ca	44	1	He	246085.7723	1.4	14331024.530
Ti	47	1	He	1.631279	11.4	611.347
V	51	1	He	3.847156	1.2	32720.837
Cr	52	1	He	1.066463	1.9	11661.107
Mn	55	1	He	2266.766473	0.6	18081498.667
Fe	56	1	He	1473.772924	0.6	14238109.000
Co	59	1	He	2.547298	1.4	37995.840
Ni	60	1	He	72.928167	0.8	266357.980
Cu	63	1	He	1.052955	1.3	10109.520
Zn	66	1	He	113.169310	1.3	219197.797
As	75	1	He	17.739353	1.3	28313.197
Se	78	2	H2	76.788085	1.4	60368.620
Sr	88	1	He	421.393054	1.2	6068245.117
Mo	95	1	He	1.038763	2.1	6112.797
Pd	105	1	He	0.070764	13.0	676.697
Ag	107	1	He	1.324143	73.1	24953.503
Cd	111	1	He	1.114929	7.7	3890.313
Sn	118	1	He	0.137058	1.1	1383.403
Sb	121	1	He	0.220575	7.5	2705.240
Ba	138	1	He	37.922816	0.9	1179403.107
Pt	195	1	He	0.009922	53.3	186.673
Hg	202	1	He	0.004877	71.4	90.000
Tl	205	1	He	0.226718	2.6	10191.633
Pb	206	1	He	0.150865	3.8	2241.837
Pb	207	1	He	0.132870	11.0	2363.533
Pb	208	1	He	0.144988	2.1	9222.757
Bi	209	1	He	0.008112	53.8	1626.790
Th	232	1	He	0.020975	18.0	1353.403
U	238	1	He	1.620758	1.5	103617.273

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.10236366	755722.107
Sc	45	2	H2	65.95656557	4420522.250
Ge	72	1	He	66.22404160	448430.440
Ge	72	2	H2	66.94657699	1214312.830
In	115	1	He	71.46106071	5209077.893
Tb	159	1	He	76.99005233	12466398.147
Ir	193	1	He	74.94965843	5858981.163

Sample Name	10607799017_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	309SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:39:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.306980	9.1	231.833
Be	9	2	H2	0.011123	107.0	10.333
B	11	2	H2	-1.179290		1650.117
Na	23	1	He	479.109232	0.8	704764.363
Mg	24	1	He	4363.582975	1.2	3501545.260
Al	27	1	He	3.438181	5.6	1680.080
Si	28	2	H2	320.953541	4.6	1104679.667
K	39	1	He	149.220926	1.0	275680.647
Ca	43	1	He	12088.83749	1.1	44339.450
Ca	44	1	He	12477.59069	1.0	766405.880
Ti	47	1	He	0.107337	36.4	44.667
V	51	1	He	0.189048	54.0	434.363
Cr	52	1	He	0.082076	4.7	1337.387
Mn	55	1	He	113.124803	0.4	952255.047
Fe	56	1	He	76.998272	1.3	796724.167
Co	59	1	He	0.124470	4.3	2101.463
Ni	60	1	He	3.611258	1.6	15026.970
Cu	63	1	He	0.268803	2.7	2997.593
Zn	66	1	He	6.267138	1.4	13413.720
As	75	1	He	0.856730	3.9	1688.083
Se	78	2	H2	3.472432	3.8	3062.600
Sr	88	1	He	20.440073	0.9	318106.917
Mo	95	1	He	0.057541	9.1	386.677
Pd	105	1	He	0.008212	41.5	110.000
Ag	107	1	He	1.191168	79.2	24234.960
Cd	111	1	He	0.052840	7.9	201.550
Sn	118	1	He	0.144228	11.0	1565.090
Sb	121	1	He	0.012982	15.6	243.337
Ba	138	1	He	1.896876	0.3	62294.360
Pt	195	1	He	0.007445	21.9	166.667
Hg	202	1	He	0.001362	415.5	73.333
Tl	205	1	He	0.004221	28.4	826.693
Pb	206	1	He	0.036793	6.9	636.687
Pb	207	1	He	0.032305	22.6	1220.060
Pb	208	1	He	0.037146	10.9	3283.490
Bi	209	1	He	-0.001210		1276.740
Th	232	1	He	0.002296	20.5	201.667
U	238	1	He	0.078682	2.7	5491.007

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.87063474	796932.937
Sc	45	2	H2	73.77163819	4944301.833
Ge	72	1	He	72.29128791	489514.280
Ge	72	2	H2	74.77426300	1356295.587
In	115	1	He	77.18709304	5626470.920
Tb	159	1	He	81.13986687	13138345.220
Ir	193	1	He	80.76272086	6313401.157

Sample Name	10607799018_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	310SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:43:14
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	7.113009	2.1	3863.563
Be	9	2	H2	0.214127	11.1	102.667
B	11	2	H2	95.213395	3.5	47881.600
Na	23	1	He	11404.84231	1.2	16107095.177
Mg	24	1	He	153523.4697	1.2	120346944.873
Al	27	1	He	2976.946690	0.9	1264056.040
Si	28	2	H2	10518.36404	5.6	32753536.000
K	39	1	He	2834.699295	1.1	3404569.427
Ca	43	1	He	313836.0210	0.8	1125116.110
Ca	44	1	He	317894.3829	1.3	19084752.780
Ti	47	1	He	71.909338	1.4	27678.963
V	51	1	He	93.563839	0.9	850659.673
Cr	52	1	He	29.589887	1.4	322470.377
Mn	55	1	He	1067.668251	1.3	8779935.667
Fe	56	1	He	14148.92305	0.7	140808650.667
Co	59	1	He	10.402779	1.0	157484.630
Ni	60	1	He	757.022419	1.1	2804317.167
Cu	63	1	He	132.488258	0.1	1264804.543
Zn	66	1	He	7832.181665	0.7	15408306.000
As	75	1	He	21.300378	0.2	34516.537
Se	78	2	H2	551.589097	0.7	444834.137
Sr	88	1	He	595.911650	1.6	8574599.873
Mo	95	1	He	2.827339	1.9	16879.930
Pd	105	1	He	0.190788	17.3	1776.803
Ag	107	1	He	1.610917	67.0	30268.693
Cd	111	1	He	32.211004	1.0	112233.737
Sn	118	1	He	0.554640	2.8	5202.500
Sb	121	1	He	1.950249	2.6	23349.367
Ba	138	1	He	118.971577	1.6	3760827.443
Pt	195	1	He	0.009649	12.8	186.673
Hg	202	1	He	0.066362	21.0	456.683
Tl	205	1	He	6.773838	3.0	291757.573
Pb	206	1	He	18.886836	1.6	275767.147
Pb	207	1	He	17.232080	1.7	210810.220
Pb	208	1	He	17.624255	1.5	1015683.700
Bi	209	1	He	0.092517	4.9	5477.730
Th	232	1	He	1.012092	0.8	63375.530
U	238	1	He	3.941441	0.8	252345.743

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.23853532	779083.857
Sc	45	2	H2	67.23077818	4505922.167
Ge	72	1	He	67.30549314	455753.397
Ge	72	2	H2	68.69474997	1246022.127
In	115	1	He	71.41020115	5205370.540
Tb	159	1	He	78.27119232	12673843.143
Ir	193	1	He	75.08672226	5869695.747

Sample Name	10607799018_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	311SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:46:52
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.394979	6.6	284.500
Be	9	2	H2	0.009893	76.8	9.833
B	11	2	H2	3.757778	9.4	4270.570
Na	23	1	He	588.967853	1.2	862662.880
Mg	24	1	He	8063.657297	1.8	6463326.360
Al	27	1	He	153.834963	1.5	66941.283
Si	28	2	H2	584.208075	6.5	2010260.667
K	39	1	He	164.409197	1.0	293578.847
Ca	43	1	He	16024.45988	0.9	58724.950
Ca	44	1	He	16431.13930	0.8	1008391.237
Ti	47	1	He	3.695046	3.9	1456.067
V	51	1	He	4.674015	1.0	42172.327
Cr	52	1	He	1.533659	2.0	17484.430
Mn	55	1	He	55.207427	1.0	464710.540
Fe	56	1	He	747.837348	1.4	7619111.000
Co	59	1	He	0.517733	0.6	8488.680
Ni	60	1	He	38.536869	1.0	153884.000
Cu	63	1	He	7.047939	1.5	72460.430
Zn	66	1	He	406.529035	1.0	858740.293
As	75	1	He	0.997337	1.1	1930.440
Se	78	2	H2	23.952410	2.2	21189.587
Sr	88	1	He	28.854762	0.4	445191.943
Mo	95	1	He	0.134393	7.9	878.363
Pd	105	1	He	0.014745	37.7	173.340
Ag	107	1	He	1.185580	81.1	23944.900
Cd	111	1	He	1.719798	6.0	6424.320
Sn	118	1	He	0.159541	11.9	1701.770
Sb	121	1	He	0.096650	3.4	1311.730
Ba	138	1	He	5.963354	0.9	194624.887
Pt	195	1	He	0.003678	78.4	120.000
Hg	202	1	He	0.015039	32.8	156.673
Tl	205	1	He	0.354992	1.1	16378.517
Pb	206	1	He	0.981086	2.0	14856.983
Pb	207	1	He	0.899564	2.6	12121.350
Pb	208	1	He	0.913182	1.4	55303.553
Bi	209	1	He	0.002415	116.9	1440.097
Th	232	1	He	0.046420	3.5	3160.360
U	238	1	He	0.185163	2.4	12776.977

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.81107940	796281.623
Sc	45	2	H2	74.05021208	4962972.333
Ge	72	1	He	72.25358234	489258.960
Ge	72	2	H2	75.33131810	1366399.750
In	115	1	He	76.53252756	5578757.067
Tb	159	1	He	80.75420840	13075898.553
Ir	193	1	He	80.48506468	6291696.157

Sample Name	10607799019_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	312SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:50:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.508697	2.9	2976.907
Be	9	2	H2	0.014410	77.0	11.000
B	11	2	H2	20.015382	8.1	11610.523
Na	23	1	He	11726.64038	1.7	16250219.760
Mg	24	1	He	64992.86330	1.9	49991815.923
Al	27	1	He	13.231585	3.9	5690.547
Si	28	2	H2	6227.380575	5.9	19222984.000
K	39	1	He	3086.509480	1.2	3629236.193
Ca	43	1	He	231977.9954	1.4	816045.560
Ca	44	1	He	234476.2496	2.1	13812082.497
Ti	47	1	He	0.476494	39.4	182.007
V	51	1	He	0.784415	13.4	5735.653
Cr	52	1	He	0.770711	1.7	8637.423
Mn	55	1	He	863.410581	1.9	6966956.833
Fe	56	1	He	217.531076	1.5	2136429.333
Co	59	1	He	1.305591	0.7	19722.773
Ni	60	1	He	134.549233	1.4	496236.230
Cu	63	1	He	0.660326	3.1	6491.857
Zn	66	1	He	474.404197	0.4	928450.647
As	75	1	He	1.192069	4.2	2100.293
Se	78	2	H2	187.440852	1.7	149641.103
Sr	88	1	He	521.561303	1.0	7501966.137
Mo	95	1	He	0.811636	2.8	4830.717
Pd	105	1	He	0.098894	21.2	933.387
Ag	107	1	He	1.010513	77.6	19188.863
Cd	111	1	He	3.003494	0.7	10463.500
Sn	118	1	He	0.043209	14.6	523.347
Sb	121	1	He	0.179503	3.4	2211.830
Ba	138	1	He	32.507368	0.5	1017202.850
Pt	195	1	He	0.020966	29.0	316.677
Hg	202	1	He	0.006481	69.7	100.000
Tl	205	1	He	0.891234	3.1	38524.563
Pb	206	1	He	0.056111	6.6	886.703
Pb	207	1	He	0.050200	18.2	1380.070
Pb	208	1	He	0.054942	11.4	4146.907
Bi	209	1	He	0.001593	414.6	1343.417
Th	232	1	He	0.007776	6.7	533.347
U	238	1	He	2.259512	0.4	145432.693

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.90830176	764536.063
Sc	45	2	H2	66.63978566	4466312.833
Ge	72	1	He	66.94419394	453306.890
Ge	72	2	H2	67.99954020	1233412.040
In	115	1	He	71.37953116	5203134.883
Tb	159	1	He	77.46511844	12543321.893
Ir	193	1	He	75.47306739	5899897.203

Sample Name	10607799019_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	313SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:53:59
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.271857	7.1	209.667
Be	9	2	H2	0.006140	44.1	7.833
B	11	2	H2	-0.803534		1843.463
Na	23	1	He	599.256816	0.6	876208.710
Mg	24	1	He	3377.575361	1.4	2704832.253
Al	27	1	He	1.967209	1.2	1039.030
Si	28	2	H2	334.737980	5.8	1145722.837
K	39	1	He	176.174248	1.7	307159.707
Ca	43	1	He	11806.17094	1.1	43205.460
Ca	44	1	He	12119.49933	1.4	742752.060
Ti	47	1	He	0.027731	55.4	13.333
V	51	1	He	-0.095899		-2216.313
Cr	52	1	He	0.064759	2.8	1142.040
Mn	55	1	He	44.031837	1.3	370235.897
Fe	56	1	He	11.749217	1.1	132269.647
Co	59	1	He	0.062521	1.0	1092.040
Ni	60	1	He	6.885044	2.1	27978.303
Cu	63	1	He	0.042769	1.5	678.683
Zn	66	1	He	25.020015	1.5	52904.187
As	75	1	He	0.063466	26.5	314.167
Se	78	2	H2	8.595368	0.8	7496.257
Sr	88	1	He	25.282034	1.1	395121.283
Mo	95	1	He	0.035331	37.7	243.337
Pd	105	1	He	0.004512	47.4	73.333
Ag	107	1	He	0.880624	83.2	18323.080
Cd	111	1	He	0.143349	4.0	544.940
Sn	118	1	He	0.114898	8.1	1280.063
Sb	121	1	He	0.009821	17.3	203.337
Ba	138	1	He	1.632882	1.2	53822.133
Pt	195	1	He	0.004421	116.4	130.003
Hg	202	1	He	0.011057	9.1	133.333
Tl	205	1	He	0.041036	6.5	2475.217
Pb	206	1	He	0.003293	66.4	130.000
Pb	207	1	He	-0.001240		798.363
Pb	208	1	He	0.002075	68.0	1193.370
Bi	209	1	He	-0.002698		1210.073
Th	232	1	He	0.000384	11.5	73.333
U	238	1	He	0.108600	2.7	7583.587

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.70546752	795126.623
Sc	45	2	H2	73.35597939	4916443.667
Ge	72	1	He	72.11250005	488303.633
Ge	72	2	H2	74.15830679	1345123.043
In	115	1	He	77.52551246	5651139.643
Tb	159	1	He	81.40881290	13181893.550
Ir	193	1	He	81.11988901	6341321.783

Sample Name	10607799020_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	314SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:57:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.449306	4.0	1903.430
Be	9	2	H2	0.012468	65.5	10.000
B	11	2	H2	2.927600	10.0	3490.407
Na	23	1	He	8492.982955	1.3	11463866.080
Mg	24	1	He	48641.17108	1.6	36432422.793
Al	27	1	He	13.188602	3.3	5523.497
Si	28	2	H2	62.885623	6.6	204866.923
K	39	1	He	1454.148243	0.8	1713232.840
Ca	43	1	He	165540.4828	0.9	567070.753
Ca	44	1	He	168553.6028	1.2	9668723.980
Ti	47	1	He	0.363099	25.2	136.000
V	51	1	He	0.162660	79.9	185.997
Cr	52	1	He	0.659474	2.0	7253.470
Mn	55	1	He	3203.014639	0.9	25167238.667
Fe	56	1	He	8485.630810	1.6	80689349.333
Co	59	1	He	0.072307	4.5	1138.040
Ni	60	1	He	0.599426	2.2	2764.890
Cu	63	1	He	0.281341	4.5	2837.570
Zn	66	1	He	2.304511	3.4	4575.937
As	75	1	He	0.269891	2.7	610.510
Se	78	2	H2	0.114708	9.8	104.000
Sr	88	1	He	493.375459	0.9	7075653.433
Mo	95	1	He	0.424878	3.7	2486.870
Pd	105	1	He	0.076140	6.4	723.367
Ag	107	1	He	0.906509	66.1	17319.937
Cd	111	1	He	0.032165	26.1	114.253
Sn	118	1	He	0.088422	8.5	935.037
Sb	121	1	He	0.027163	12.1	393.343
Ba	138	1	He	17.148523	0.6	539905.083
Pt	195	1	He	0.007686	94.7	163.337
Hg	202	1	He	0.008089	111.8	110.000
Tl	205	1	He	0.002077	47.8	701.690
Pb	206	1	He	0.123006	6.1	1865.130
Pb	207	1	He	0.115080	7.9	2175.167
Pb	208	1	He	0.117101	2.1	7735.760
Bi	209	1	He	0.001687	86.7	1356.750
Th	232	1	He	0.007772	7.1	533.343
U	238	1	He	0.015411	6.8	1061.713

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.07445164	744480.583
Sc	45	2	H2	67.41688452	4518395.333
Ge	72	1	He	65.63356577	444432.083
Ge	72	2	H2	68.11418121	1235491.460
In	115	1	He	71.17405247	5188156.733
Tb	159	1	He	77.93365108	12619187.727
Ir	193	1	He	75.52029751	5903589.287

Sample Name	10607799020_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	315SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 05:01:09
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.142496	22.5	135.833
Be	9	2	H2	0.008268	37.8	9.000
B	11	2	H2	-1.749403		1360.080
Na	23	1	He	426.121472	1.6	626220.643
Mg	24	1	He	2481.524221	2.4	1985854.290
Al	27	1	He	1.751474	3.8	944.693
Si	28	2	H2	4.089993	7.4	23498.337
K	39	1	He	91.425788	3.0	205980.187
Ca	43	1	He	8260.834345	1.2	30202.740
Ca	44	1	He	8558.635739	1.3	524020.477
Ti	47	1	He	0.036355	22.4	16.667
V	51	1	He	0.006684	471.4	-1263.417
Cr	52	1	He	0.054234	3.8	1024.030
Mn	55	1	He	164.137347	1.9	1376800.420
Fe	56	1	He	437.117313	2.0	4447707.500
Co	59	1	He	0.001095	141.8	95.333
Ni	60	1	He	-0.101195		256.000
Cu	63	1	He	0.033717	15.2	581.343
Zn	66	1	He	0.246214	13.1	684.017
As	75	1	He	-0.002929		198.000
Se	78	2	H2	0.011581	42.2	23.333
Sr	88	1	He	23.613341	2.6	368663.733
Mo	95	1	He	0.025576	19.2	180.000
Pd	105	1	He	0.005852	40.2	86.667
Ag	107	1	He	2.232251	80.0	45206.517
Cd	111	1	He	0.001075	73.3	6.613
Sn	118	1	He	0.119003	2.2	1320.060
Sb	121	1	He	0.001340	122.6	93.333
Ba	138	1	He	0.859861	0.5	28627.697
Pt	195	1	He	0.004320	85.4	130.003
Hg	202	1	He	0.006589	85.2	106.667
Tl	205	1	He	-0.007262		318.340
Pb	206	1	He	0.009653	28.7	228.333
Pb	207	1	He	0.007643	56.7	918.367
Pb	208	1	He	0.009260	15.6	1636.710
Bi	209	1	He	-0.000660		1316.753
Th	232	1	He	0.000562	48.7	85.000
U	238	1	He	0.001468	79.9	175.003

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.63570943	794363.730
Sc	45	2	H2	74.22705277	4974824.500
Ge	72	1	He	71.52409863	484319.323
Ge	72	2	H2	73.78996117	1338441.793
In	115	1	He	77.45181218	5645767.340
Tb	159	1	He	82.05259947	13286136.883
Ir	193	1	He	80.83740106	6319239.073

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	316_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 05:04:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	73.406492	5.9	42035.043
Be	9	2	H2	73.719153	5.2	35959.373
B	11	2	H2	69.176353	4.8	37655.103
Na	23	1	He	2002.011213	2.2	2812183.083
Mg	24	1	He	1976.240115	2.9	1537465.913
Al	27	1	He	1919.111012	1.6	807565.937
Si	28	2	H2	946.607135	6.0	3146172.000
K	39	1	He	2049.555684	1.5	2465469.753
Ca	43	1	He	1927.917079	2.2	6856.570
Ca	44	1	He	1967.383083	1.0	117183.573
Ti	47	1	He	75.899432	2.5	28946.977
V	51	1	He	80.532811	1.5	725367.563
Cr	52	1	He	80.627726	1.7	870000.290
Mn	55	1	He	82.109539	1.2	669781.250
Fe	56	1	He	1021.943706	2.2	10089031.333
Co	59	1	He	80.956582	1.2	1289605.163
Ni	60	1	He	81.579120	1.5	318691.323
Cu	63	1	He	83.395361	1.3	838120.980
Zn	66	1	He	79.670290	1.0	165165.327
As	75	1	He	77.378656	1.2	131460.393
Se	78	2	H2	76.259763	1.8	64761.860
Sr	88	1	He	73.537413	1.1	1105014.800
Mo	95	1	He	80.766531	1.9	507014.407
Pd	105	1	He	75.473615	0.3	723836.993
Ag	107	1	He	40.048039	5.7	766345.923
Cd	111	1	He	75.935074	0.8	276274.097
Sn	118	1	He	75.388068	1.4	720199.183
Sb	121	1	He	72.377788	0.6	902126.157
Ba	138	1	He	77.847073	1.7	2504804.023
Pt	195	1	He	76.158316	1.3	912054.543
Hg	202	1	He	3.469894	1.0	21017.393
Tl	205	1	He	40.001547	1.9	1750482.370
Pb	206	1	He	79.007844	1.6	1173981.780
Pb	207	1	He	82.520795	2.0	1024499.827
Pb	208	1	He	80.882744	2.4	4740132.507
Bi	209	1	He	83.943055	2.4	3871539.217
Th	232	1	He	77.595963	0.3	5138633.047
U	238	1	He	75.375619	0.5	5105661.483

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.60180451	772120.397
Sc	45	2	H2	71.64818468	4801984.333
Ge	72	1	He	70.85862024	479813.093
Ge	72	2	H2	72.33296661	1312014.047
In	115	1	He	74.56274031	5435171.523
Tb	159	1	He	79.67531318	12901201.473
Ir	193	1	He	79.46385527	6211865.950

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	317_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 05:08:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.003682	221.7	46.833
Be	9	2	H2	0.022116	6.6	14.167
B	11	2	H2	-1.379362		1363.417
Na	23	1	He	0.478528	25.5	13391.583
Mg	24	1	He	-1.400080		1455.070
Al	27	1	He	1.106462	4.5	645.677
Si	28	2	H2	0.822843	112.0	10715.033
K	39	1	He	21.811038	13.8	119455.580
Ca	43	1	He	3.439263	33.1	19.780
Ca	44	1	He	2.546835	28.9	284.513
Ti	47	1	He	0.013050	44.2	7.333
V	51	1	He	-0.049193		-1733.967
Cr	52	1	He	-0.003659		370.010
Mn	55	1	He	-0.009913		604.680
Fe	56	1	He	0.216202	21.8	14670.640
Co	59	1	He	0.002785	61.3	120.000
Ni	60	1	He	-0.138358		107.333
Cu	63	1	He	0.003249	147.3	266.000
Zn	66	1	He	0.060410	14.4	289.333
As	75	1	He	0.008787	66.1	213.333
Se	78	2	H2	0.028987	42.4	34.000
Sr	88	1	He	0.010952	27.4	343.340
Mo	95	1	He	0.045881	20.5	301.673
Pd	105	1	He	0.005072	13.6	76.667
Ag	107	1	He	1.278798	63.3	25215.293
Cd	111	1	He	0.003828	19.2	16.577
Sn	118	1	He	0.031527	21.0	440.010
Sb	121	1	He	0.011311	39.4	216.670
Ba	138	1	He	0.006613	29.2	335.010
Pt	195	1	He	0.002808	60.7	106.667
Hg	202	1	He	0.022588	44.1	196.670
Tl	205	1	He	0.042118	17.8	2440.213
Pb	206	1	He	0.008735	46.5	205.000
Pb	207	1	He	-0.000573		778.367
Pb	208	1	He	0.006298	28.1	1395.043
Bi	209	1	He	0.005115	16.8	1523.443
Th	232	1	He	0.009794	21.2	690.023
U	238	1	He	0.006297	10.1	496.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.48551715	770848.647
Sc	45	2	H2	65.63562730	4399012.417
Ge	72	1	He	70.00689668	474045.720
Ge	72	2	H2	65.73052674	1192255.460
In	115	1	He	75.25817567	5485864.543
Tb	159	1	He	78.59088032	12725607.727
Ir	193	1	He	79.03035992	6177978.657

Prep Log Report

Batch Information: MPRP 812961 6020BW_P

Template Version: ENV-EPL-MIN4-0013-Rev.00 (13Dec2020)

Prep Method	EPA 3020A	Analysis Method	EPA 6020B	Prepared By	HTV	Block ID	10MET49
Thermometer ID	200650896	Correction Factor (C)	-0.9	Block Temp (C)	97.7	Corrected Temp. (C)	96.80
Digestion Start Date/Time	05/04/2022 11:20:20:456	Digestion End Date/Time	05/04/2022 17:00:50:369	Block End Temp (C)	96.9	Corrected End Temp. (C)	96.00
Digestion Vessel	360406	Metals Pipette 1	Q705	Metals Pipette 2		Bottle Disp. 1	Q780
Bottle Disp. 2	Q592	Reviewed By	NJ1	Reviewed By Date	05/04/2022 20:29	Batch Notes	

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Matrix	Initial Volume (mL)	Conc. HNO3 (mL)	Conc. HCL (mL)	Final Volume (mL)	Sample Notes	METALS-STK1 (mL)	METALS-STK2 (mL)
6020BW_P	BLANK	**4310637**	Water	25	357589 (0.5)	363604 (0.25)	25			
6020BW_P	LCS	**4310638**	Water	25	357589 (0.5)	363604 (0.25)	25		343312 (.025)	343319 (.025)
6020BW_P	PS	**10606561001**	Water	25	357589 (0.5)	363604 (0.25)	25			
6020BW_P	PS	**10606561001**	Water	25	357589 (0.5)	363604 (0.25)	25			
6020BW_P	MS	**4310639**	Water	25	357589 (0.5)	363604 (0.25)	25		343312 (.025)	343319 (.025)
6020BW_P	MSD	**4310640**	Water	25	357589 (0.5)	363604 (0.25)	25		343312 (.025)	343319 (.025)
6020BW_P	PS	**10606563001**	Water	25	357589 (0.5)	363604 (0.25)	25			

Standard Notes:

343312: ZPACEMN-116 (MIX 1)

343319: ZPACEMN-106

SAMPLE NO.

EB01-042822-01

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Lab Sample ID: 10606563001 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury	ND	U	ug/L	1	05/10/2022 13:24

FORM II INORGANIC-1

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Initial Calibration Verification Source: 365348

Continuing Calibration Verification Source: 365348

Concentration Units: ug/L Instrument ID: 10HG08

	Initial Calibration Verification				Continuing Calibration Verification						
	05/10/2022 12:39				05/10/2022 12:56			05/10/2022 13:11			Control Limit
Analyte	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	
Mercury	5.0	4.9	98.8	90-110	5.0	4.9	97.8	5.0	5.1	101.4	90-110

FORM II INORGANIC-2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Initial Calibration Verification Source:

Continuing Calibration Verification Source: 365348

Concentration Units: ug/L Instrument ID: 10HG08

	Continuing Calibration Verification			
	05/10/2022 13:27			Control Limit
Analyte	True	Found	%R	
Mercury	5.0	5.1	101.2	90-110

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

CRDL Check Standard Source: 365084,365343 Analysis Date/Time: 05/10/2022 12:42

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Mercury	0.2	0.16	79.0	70-130

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

CRDL Check Standard Source: 365084,365343 Analysis Date/Time: 05/10/2022 12:55

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Mercury	0.2	0.15	77.0	70-130

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

CRDL Check Standard Source: 365084,365343 Analysis Date/Time: 05/10/2022 13:25

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Mercury	0.2	0.16	77.5	70-130

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract : D3593500

Method Blank Matrix: Water Instrument ID: 10HG08

Method Blank Concentration Units: ug/L

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Method Blank	
	05/10/2022 12:41	C	05/10/2022 12:58	C	05/10/2022 13:12	C	05/10/2022 13:28	C	4310706	C
Mercury	0.095	U	0.095	U	0.095	U	0.095	U	ND	U

SAMPLE NO.

4310708MS

FORM V INORGANIC-1

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Matrix: Water Basis: Wet Parent Sample ID: 10606199002

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Mercury	ug/L	80-120	5.1	<0.095	5.0	102

SAMPLE NO.

4310709MSD

FORM V INORGANIC-2

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Matrix: Water Basis: Wet Parent Sample ID: 10606199002

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Mercury	ug/L	80-120	5.2	<0.095	5.0	103

SAMPLE NO.

4310709MSD

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Matrix: Water Concentration Units: ug/L

Percent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Mercury	20	5.1	5.2	1

SAMPLE NO.

4310707LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Mercury	ug/L	5.0	5.2	103	80	120

FORM IX INORGANIC-1
INSTRUMENT DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Preparation Method: None Instrument ID: 10HG08

Concentration Units: ug/L

Analyte	PQL	IDL	IDL Date
Mercury	0.20	0.095	05/05/2022

FORM IX INORGANIC-2
METHOD DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Preparation Method: EPA 7470A Instrument ID: 10HG08

Concentration Units: ug/L

Analyte	PQL	MDL	MDL Date
Mercury	0.20	0.095	05/05/2022

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Preparation Method: EPA 7470A Batch: MERP 37115

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
4310706	4310706	05/05/2022	30	30
4310707	4310707	05/05/2022	30	30
4310708	4310708	05/05/2022	30	30
4310709	4310709	05/05/2022	30	30
10606563001	EB01-042822-01	05/05/2022	30	30

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Instrument ID: 10HG08 Analysis Method: EPA 7470A

Start Date: 05/10/2022 12:30 End Date: 05/10/2022 13:28

Sample Name	Lab Sample ID	D/F	Date	Time	Hg
29937919CAL0	29937919CAL0	1	05/10/2022	12:30	X
29937920CAL1	29937920CAL1	1	05/10/2022	12:31	X
29937922CAL2	29937922CAL2	1	05/10/2022	12:33	X
29937923CAL3	29937923CAL3	1	05/10/2022	12:34	X
29937924CAL4	29937924CAL4	1	05/10/2022	12:36	X
29937925CAL5	29937925CAL5	1	05/10/2022	12:37	X
29937927ICV	29937927ICV	1	05/10/2022	12:39	X
29937928ICB	29937928ICB	1	05/10/2022	12:41	X
29937929CRDL	29937929CRDL	1	05/10/2022	12:42	X
29937931CRDL	29937931CRDL	1	05/10/2022	12:55	X
29937932CCV	29937932CCV	1	05/10/2022	12:56	X
29937933CCB	29937933CCB	1	05/10/2022	12:58	X
4310706BLANK	4310706	1	05/10/2022	12:59	X
4310707LCS	4310707	1	05/10/2022	13:01	X
10606199002	10606199002	1	05/10/2022	13:04	X
4310708MS	4310708	1	05/10/2022	13:05	X
4310709MSD	4310709	1	05/10/2022	13:06	X
29937939CCV	29937939CCV	1	05/10/2022	13:11	X
29937941CCB	29937941CCB	1	05/10/2022	13:12	X
EB01-042822-01	10606563001	1	05/10/2022	13:24	X
29937945CRDL	29937945CRDL	1	05/10/2022	13:25	X
29937946CCV	29937946CCV	1	05/10/2022	13:27	X
29937947CCB	29937947CCB	1	05/10/2022	13:28	X

Report Generated By Teledyne Leeman QuickTrace

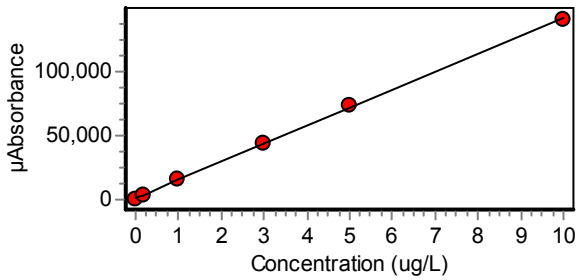
Analyst: 10metalsuser,LENA WIGER
Worksheet file: S:\DATA\Metals\10HG08\10MAY22WATERS10HG08.wszf
Creation Date: 5/10/2022 12:11:06 PM
Comment: EPA 7470A

Results

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
CAL0	STD	05/10/22 12:30:15 pm	0.000	490	3.24			N/A
Replicates	505.4	480.7	501.2	472.5				
CAL1	STD	05/10/22 12:31:42 pm	0.200	3606	0.68	-18.65%		N/A
Replicates	3616.0	3621.3	3616.6	3569.3				
CAL2	STD	05/10/22 12:33:09 pm	1.000	15472	0.46	0.78%		N/A
Replicates	15458.1	15508.1	15543.4	15380.4				
CAL3	STD	05/10/22 12:34:36 pm	3.000	44383	0.55	2.22%		N/A
Replicates	44336.9	44574.1	44566.6	44052.6				
CAL4	STD	05/10/22 12:36:03 pm	5.000	72717	0.52	1.69%		N/A
Replicates	72665.4	73018.0	72986.2	72198.0				
CAL5	STD	05/10/22 12:37:31 pm	10.000	140870	0.52	-0.62%		N/A
Replicates	140729.4	141463.0	141399.0	139890.3				

Calibration

Equation: Abs = 14042.225x + 1321.237
R2: 0.99972 RSE: 10.90%
SEE: 1002.0390
Flags:



ICV	ICV	05/10/22 12:39:38 pm	4.940	70721	0.52			98.85
Replicates	70412.6	70900.8	71147.0	70425.5				
ICB	ICB	05/10/22 12:41:06 pm	-0.061	463	2.97			N/A
Replicates	443.6	443.2	468.7	496.9				
CRDL	CRDL	05/10/22 12:42:32 pm	0.158	3539	2.74			78.97
Replicates	3515.1	3525.8	3627.0	3488.0				
4312925_43588	UNK	05/10/22 12:46:40 pm	0.015	1537	9.69			N/A
Replicates	1534.2	1566.9	1528.4	1518.7				
4312926_43588	UNK	05/10/22 12:48:06 pm	5.120	73282	0.64			N/A
Replicates	73470.0	73585.2	73474.4	72596.7				
10606797001_43588	UNK	05/10/22 12:49:32 pm	0.001	1337	97.42			N/A
Replicates	1345.2	1350.3	1315.0	1338.5				
4312927_43588	UNK	05/10/22 12:50:59 pm	4.850	69371	0.62			N/A
Replicates	69540.2	69664.6	69533.6	68747.3				

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual Flags	% Recovery
4312928_43588					UNK	05/10/22 12:52:25 pm	5.240	74856	0.57		N/A
	Replicates	74995.2	75173.6	75023.3	74233.6						
LB					UNK	05/10/22 12:53:52 pm	-0.001	1311	156.14		N/A
	Replicates	1302.7	1303.5	1334.8	1303.5						
CRDL					CRDL	05/10/22 12:55:19 pm	0.154	3482	1.72		76.95
	Replicates	3490.3	3530.5	3443.7	3465.2						
CCV					CCV	05/10/22 12:56:47 pm	4.890	69919	0.43		97.70
	Replicates	69726.0	70079.7	70251.9	69616.4						
CCB					CCB	05/10/22 12:58:15 pm	-0.059	486	3.18		N/A
	Replicates	470.8	484.1	523.6	464.4						
4310706_43586					UNK	05/10/22 12:59:42 pm	-0.055	543	2.25		N/A
	Replicates	545.4	563.1	520.4	543.9						
4310707_43586					UNK	05/10/22 01:01:09 pm	5.150	73591	0.51		N/A
	Replicates	73681.0	73817.4	73816.9	73046.6						
10606199001_43586					UNK	05/10/22 01:02:36 pm	-0.057	528	2.65		N/A
	Replicates	547.1	508.3	545.0	511.0						
10606199002_43586					UNK	05/10/22 01:04:03 pm	-0.056	534	1.59		N/A
	Replicates	524.8	543.6	545.4	521.1						
4310708_43586					UNK	05/10/22 01:05:31 pm	5.090	72831	0.53		N/A
	Replicates	72877.8	73134.2	73030.2	72281.0						
4310709_43586					UNK	05/10/22 01:06:58 pm	5.150	73622	0.58		N/A
	Replicates	73645.9	73963.9	73853.4	73025.4						
10606199003_43586					UNK	05/10/22 01:08:24 pm	-0.058	505	1.26		N/A
	Replicates	500.1	520.1	501.6	497.9						
10606631001_43586					UNK	05/10/22 01:09:50 pm	-0.055	549	3.24		N/A
	Replicates	540.7	523.7	583.2	548.4						
CCV					CCV	05/10/22 01:11:18 pm	5.070	72518	0.40		101.40
	Replicates	72340.0	72707.3	72808.1	72216.3						
CCB					CCB	05/10/22 01:12:47 pm	-0.060	477	1.59		N/A
	Replicates	470.0	465.9	477.4	496.1						
10606632001_43586					UNK	05/10/22 01:14:13 pm	-0.056	539	3.54		N/A
	Replicates	576.7	510.3	533.3	535.0						
10606633001_43586					UNK	05/10/22 01:15:40 pm	-0.049	636	4.73		N/A
	Replicates	645.0	657.1	654.1	588.1						
10606772001_43586					UNK	05/10/22 01:17:06 pm	-0.055	548	1.61		N/A
	Replicates	538.1	566.0	542.0	546.0						
10606782001_43586					UNK	05/10/22 01:18:33 pm	-0.055	544	1.50		N/A
	Replicates	544.8	560.4	534.9	536.7						

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual Flags	% Recovery
10606806001_43586					UNK	05/10/22 01:20:00 pm	-0.053	583	1.96		N/A
Replicates	589.4	588.3	561.5	593.0							
10606807001_43586					UNK	05/10/22 01:21:27 pm	-0.057	519	3.90		N/A
Replicates	565.1	512.5	498.8	500.3							
10606561001_43586					UNK	05/10/22 01:22:54 pm	-0.060	480	1.87		N/A
Replicates	485.7	456.4	488.9	488.6							
10606563001_43586					UNK	05/10/22 01:24:21 pm	-0.057	521	0.72		N/A
Replicates	519.3	523.6	514.1	527.6							
CRDL					CRDL	05/10/22 01:25:48 pm	0.155	3499	1.09		77.54
Replicates	3506.0	3524.2	3498.7	3467.2							
CCV					CCV	05/10/22 01:27:16 pm	5.060	72347	0.40		101.16
Replicates	72136.5	72471.4	72692.4	72086.6							
CCB					CCB	05/10/22 01:28:44 pm	-0.057	515	2.95		N/A
Replicates	529.5	540.5	494.3	494.8							
4312199_43585					UNK	05/10/22 01:30:11 pm	-0.058	506	1.94		N/A
Replicates	506.6	502.8	526.0	487.5							
4312200_43585					UNK	05/10/22 01:31:39 pm	5.390	76944	0.43		N/A
Replicates	76926.5	77167.5	77196.5	76486.2							
10606802001_43585					UNK	05/10/22 01:33:05 pm	-0.038	786	9.11		N/A
Replicates	804.3	840.2	772.5	725.2							
4312201_43585					UNK	05/10/22 01:34:31 pm	4.940	70635	0.66		N/A
Replicates	70847.4	70960.2	70779.4	69953.4							
4312202_43585					UNK	05/10/22 01:35:57 pm	4.890	69987	0.53		N/A
Replicates	70120.1	70230.0	70150.7	69447.2							
10606802002_43585					UNK	05/10/22 01:37:24 pm	-0.046	675	2.44		N/A
Replicates	662.8	697.9	667.1	671.9							
10606802003_43585					UNK	05/10/22 01:38:50 pm	-0.049	638	4.34		N/A
Replicates	613.4	679.4	620.2	639.7							
10606802004_43585					UNK	05/10/22 01:40:17 pm	-0.046	677	4.87		N/A
Replicates	713.5	689.6	662.9	641.4							
CCV					CCV	05/10/22 01:41:45 pm	5.020	71775	0.37		100.35
Replicates	71646.8	71964.4	72016.1	71472.9							
CCB					CCB	05/10/22 01:43:13 pm	-0.061	467	1.79		N/A
Replicates	459.5	483.5	474.0	449.0							
10606688001_43585					UNK	05/10/22 01:44:40 pm	-0.049	630	1.05		N/A
Replicates	628.0	624.1	640.3	626.6							
10606689001_43585					UNK	05/10/22 01:46:07 pm	-0.037	803	3.04		N/A
Replicates	821.0	798.3	808.8	783.8							

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual Flags	% Recovery
10606690001_43585	UNK	05/10/22 01:47:35 pm	-0.024	982	5.64		N/A
Replicates	974.0	971.0	1010.5	972.0			
CRDL	CRDL	05/10/22 01:49:01 pm	0.152	3455	1.34		75.97
Replicates	3471.6	3473.6	3461.1	3412.9			
CCV	CCV	05/10/22 01:50:29 pm	5.020	71795	0.38		100.37
Replicates	71605.2	71948.3	72092.8	71534.1			
CCB	CCB	05/10/22 01:51:58 pm	-0.060	473	2.33		N/A
Replicates	473.2	466.9	452.1	499.4			
4311594_43582	UNK	05/10/22 01:53:25 pm	-0.059	492	2.91		N/A
Replicates	523.9	494.9	482.1	467.1			
4311595_43582	UNK	05/10/22 01:54:53 pm	5.160	73809	0.42		N/A
Replicates	73840.1	73999.1	74022.8	73372.3			
10606414005_43582	UNK	05/10/22 01:56:20 pm	2.560	37255	0.41		N/A
Replicates	37247.8	37355.0	37370.5	37047.7			
4311596_43582	UNK	05/10/22 01:57:47 pm	7.930	112733	0.39		N/A
Replicates	112713.6	112988.2	113101.2	112130.2			
4311597_43582	UNK	05/10/22 01:59:13 pm	7.350	104468	0.40		N/A
Replicates	104567.8	104729.3	104723.8	103852.8			
10606414002_43582	UNK	05/10/22 02:00:39 pm	-0.051	611	3.49		N/A
Replicates	601.4	590.0	646.7	604.7			
10606414003_43582	UNK	05/10/22 02:02:06 pm	-0.041	740	6.80		N/A
Replicates	729.3	781.4	758.1	689.6			
10606414004_43582	UNK	05/10/22 02:03:32 pm	-0.026	952	3.22		N/A
Replicates	945.3	963.6	938.1	959.3			
10606414001_43582	UNK	05/10/22 02:04:59 pm	-0.055	547	3.09		N/A
Replicates	568.9	530.6	522.4	566.1			
4309481_43582	UNK	05/10/22 02:06:26 pm	-0.059	497	1.89		N/A
Replicates	493.9	507.3	510.8	476.5			
CRDL	CRDL	05/10/22 02:07:53 pm	0.156	3506	0.87		77.78
Replicates	3480.0	3525.9	3506.4	3510.4			
CCV	CCV	05/10/22 02:09:21 pm	5.030	72005	0.34		100.67
Replicates	71878.6	72096.6	72299.1	71746.6			
CCB	CCB	05/10/22 02:10:49 pm	-0.058	511	2.22		N/A
Replicates	490.0	511.3	510.0	534.0			
4315178_43598	UNK	05/10/22 02:12:16 pm	-0.055	543	1.67		N/A
Replicates	531.2	552.0	556.8	533.3			
4315179_43598	UNK	05/10/22 02:13:43 pm	5.250	75009	0.42		N/A
Replicates	75046.5	75178.6	75247.6	74562.1			

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual Flags	% Recovery
10607172002_43598	UNK	05/10/22 02:16:13 pm	-0.052	583	1.98		N/A
Replicates	601.6	566.3	585.5	580.0			
10607172004_43598	UNK	05/10/22 02:17:41 pm	-0.055	553	2.60		N/A
Replicates	574.1	554.4	556.4	525.9			
4315180_43598	UNK	05/10/22 02:19:09 pm	5.150	73646	0.40		N/A
Replicates	73634.2	73833.7	73872.7	73242.9			
4315181_43598	UNK	05/10/22 02:20:35 pm	5.770	82340	0.44		N/A
Replicates	82394.8	82597.8	82547.8	81818.0			
10607172006_43598	UNK	05/10/22 02:22:01 pm	-0.057	516	1.76		N/A
Replicates	510.9	506.1	509.3	536.8			
10607172008_43598	UNK	05/10/22 02:23:28 pm	-0.057	525	2.43		N/A
Replicates	510.0	546.6	535.9	507.4			
10607047001_43598	UNK	05/10/22 02:24:54 pm	-0.050	615	2.72		N/A
Replicates	604.6	640.4	619.9	596.9			
CRDL	CRDL	05/10/22 02:26:21 pm	0.152	3451	1.02		75.82
Replicates	3441.0	3451.8	3480.0	3429.3			
CCV	CCV	05/10/22 02:27:49 pm	5.000	71493	0.37		99.94
Replicates	71270.4	71624.5	71799.8	71279.3			
CCB	CCB	05/10/22 02:29:17 pm	-0.057	522	1.40		N/A
Replicates	535.7	525.3	510.8	514.8			
4316370_43604	UNK	05/10/22 02:30:43 pm	-0.059	499	3.24		N/A
Replicates	473.4	536.4	492.4	493.4			
4316371_43604	UNK	05/10/22 02:32:09 pm	5.190	74191	0.38		N/A
Replicates	74202.0	74389.1	74378.9	73792.6			
92600870002_43604	UNK	05/10/22 02:33:36 pm	-0.053	575	2.38		N/A
Replicates	569.8	585.9	551.9	591.4			
4316372_43604	UNK	05/10/22 02:35:02 pm	5.100	72954	0.36		N/A
Replicates	72958.1	73088.3	73179.8	72589.1			
4316373_43604	UNK	05/10/22 02:36:29 pm	4.870	69774	0.42		N/A
Replicates	69858.1	69950.2	69937.7	69349.7			
CRDL	CRDL	05/10/22 02:37:55 pm	0.148	3402	0.65		74.10
Replicates	3407.5	3390.5	3418.8	3392.0			
CCV	CCV	05/10/22 02:39:23 pm	5.000	71590	0.32		100.08
Replicates	71489.5	71742.2	71801.4	71325.9			
CCB	CCB	05/10/22 02:40:52 pm	-0.060	483	3.01		N/A
Replicates	478.4	520.0	462.5	473.0			
4315092_43593	UNK	05/10/22 02:42:18 pm	-0.052	589	2.20		N/A
Replicates	592.8	588.0	607.8	568.8			

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
4315093_43593				UNK	05/10/22 02:43:45 pm	5.260	75191	0.37			N/A
Replicates	75155.8	75367.7	75418.9	74820.7							
10606884001_43593				UNK	05/10/22 02:45:12 pm	-0.054	558	3.58			N/A
Replicates	545.9	595.0	531.0	558.7							
10606884002_43593				UNK	05/10/22 02:46:39 pm	-0.051	612	3.37			N/A
Replicates	647.7	603.2	601.2	596.2							
10606884003_43593				UNK	05/10/22 02:48:07 pm	-0.050	619	3.40			N/A
Replicates	596.3	650.9	606.4	623.4							
4315094_43593				UNK	05/10/22 02:49:34 pm	4.980	71244	0.50			N/A
Replicates	71319.5	71501.1	71419.1	70734.9							
4315095_43593				UNK	05/10/22 02:51:02 pm	5.030	71931	0.45			N/A
Replicates	72041.9	72137.5	72082.3	71462.5							
10606884004_43593				UNK	05/10/22 02:52:28 pm	-0.056	533	2.34			N/A
Replicates	520.5	559.8	521.3	529.5							
CRDL				CRDL	05/10/22 02:53:54 pm	0.149	3416	0.49			74.57
Replicates	3410.1	3430.2	3414.7	3407.2							
CCV				CCV	05/10/22 02:55:22 pm	4.980	71314	0.30			99.69
Replicates	71177.1	71437.7	71540.7	71102.2							
CCB				CCB	05/10/22 02:56:51 pm	-0.059	490	2.93			N/A
Replicates	525.7	474.1	475.1	484.9							
4316382_43605				UNK	05/10/22 03:46:16 pm	-0.062	453	4.65			N/A
Replicates	483.1	478.2	454.2	395.2							
4316383_43605				UNK	05/10/22 03:47:43 pm	5.160	73790	0.30			N/A
Replicates	73689.4	73934.5	74007.0	73530.3							
10604827001_43605				UNK	05/10/22 03:49:09 pm	-0.062	453	2.61			N/A
Replicates	425.4	442.7	471.7	470.9							
4316384_43605				UNK	05/10/22 03:50:35 pm	4.990	71433	0.30			N/A
Replicates	71387.2	71535.9	71649.2	71160.4							
4316385_43605				UNK	05/10/22 03:52:02 pm	5.350	76385	0.35			N/A
Replicates	76237.5	76539.8	76663.5	76098.8							
10605098001_43605				UNK	05/10/22 03:53:29 pm	-0.017	1089	16.49			N/A
Replicates	1122.1	1081.0	1114.7	1038.2							
10606340004_43605				UNK	05/10/22 03:54:56 pm	93.300	1311093	0.04		O	N/A
Replicates	1310625.1	1311391.4	1311740.1	1310614.1							
10606340006_43605				UNK	05/10/22 04:00:36 pm	29.200	411697	0.29		O	N/A
Replicates	410812.5	412341.1	413048.1	410585.1							
10606340008_43605				UNK	05/10/22 04:04:32 pm	4.040	58074	0.31			N/A
Replicates	57995.7	58181.1	58249.9	57868.4							

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
CCV					CCV	05/10/22 04:06:00 pm	5.000	71489	0.34			99.94
	Replicates	71333.3	71618.2	71752.7	71251.7							
CCB					CCB	05/10/22 04:07:28 pm	-0.059	496	0.63			N/A
	Replicates	491.2	492.7	502.9	495.4							
10606945001_43605					UNK	05/10/22 04:08:55 pm	-0.054	562	7.16			N/A
	Replicates	550.4	501.3	633.0	564.0							
10606945002_43605					UNK	05/10/22 04:10:23 pm	-0.056	533	2.21			N/A
	Replicates	525.5	512.1	546.6	548.1							
10606945003_43605					UNK	05/10/22 04:11:51 pm	-0.058	504	2.80			N/A
	Replicates	500.8	536.2	482.7	495.7							
10607180001_43605					UNK	05/10/22 04:13:17 pm	0.190	3988	0.32			N/A
	Replicates	3988.4	3990.7	3995.7	3975.7							
10607180002_43605					UNK	05/10/22 04:14:43 pm	-0.011	1165	11.00			N/A
	Replicates	1149.9	1150.4	1180.4	1179.4							
10607180003_43605					UNK	05/10/22 04:16:09 pm	-0.030	899	8.52			N/A
	Replicates	911.3	938.9	893.6	853.1							
10607355001_43605					UNK	05/10/22 04:17:57 pm	-0.037	806	2.86			N/A
	Replicates	822.1	795.0	816.0	793.0							
4315104_43605					UNK	05/10/22 04:19:24 pm	-0.058	511	3.96			N/A
	Replicates	479.9	535.7	541.2	486.5							
4315679_43605					UNK	05/10/22 04:20:50 pm	-0.057	527	2.00			N/A
	Replicates	544.0	536.5	510.0	517.5							
CRDL					CRDL	05/10/22 04:22:17 pm	0.153	3470	2.29			76.50
	Replicates	3470.9	3429.2	3538.4	3439.9							
CCV					CCV	05/10/22 04:23:45 pm	4.970	71112	0.34			99.40
	Replicates	71049.3	71257.6	71333.1	70806.1							
CCB					CCB	05/10/22 04:25:13 pm	-0.056	538	2.91			N/A
	Replicates	530.0	546.4	564.4	511.2							
10606340004Dx50_43605					UNK	05/10/22 04:26:40 pm	11.000	155741	1.82		O	N/A
	Replicates	158956.1	156753.6	154910.3	152342.1							
10606340006Dx10_43605					UNK	05/10/22 04:28:07 pm	4.300	61638	2.24			N/A
	Replicates	63093.5	62206.9	61322.7	59928.9							
4316405_43606					UNK	05/10/22 04:29:35 pm	-0.062	449	4.61			N/A
	Replicates	442.1	426.8	507.3	418.8							
4316406_43606					UNK	05/10/22 04:31:28 pm	4.690	67177	0.29			N/A
	Replicates	67074.6	67285.7	67381.0	66966.7							
10607041003_43606					UNK	05/10/22 04:32:56 pm	-0.042	739	5.22			N/A
	Replicates	760.3	731.7	698.5	764.0							

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
10606340004Dx100_43605					UNK	05/10/22 04:34:23 pm	5.150	73700	0.31			N/A
	Replicates	73657.8	73860.7	73877.9	73403.4							
4316407_43606					UNK	05/10/22 04:35:50 pm	4.850	69410	0.36			N/A
	Replicates	69503.1	69563.8	69531.8	69040.8							
4316408_43606					UNK	05/10/22 04:37:17 pm	4.870	69771	0.50			N/A
	Replicates	69890.3	70005.0	69924.2	69262.7							
4315105_43606					UNK	05/10/22 04:38:45 pm	-0.064	419	3.28			N/A
	Replicates	462.5	396.2	405.5	412.5							
CRDL					CRDL	05/10/22 04:40:12 pm	0.147	3389	1.41			73.62
	Replicates	3362.0	3428.1	3393.1	3372.3							
CCV					CCV	05/10/22 04:41:40 pm	4.960	71031	0.37			99.29
	Replicates	70910.9	71199.9	71282.6	70730.9							
CCB					CCB	05/10/22 04:43:08 pm	-0.054	561	2.16			N/A
	Replicates	564.7	551.6	545.6	582.6							
4303411_43450					UNK	05/10/22 04:45:07 pm	-0.090	61	1.10			N/A
	Replicates	49.2	78.1	65.8	49.8							
10604931030_43450					UNK	05/10/22 04:46:33 pm	0.119	2992	1.46			N/A
	Replicates	3007.1	2964.7	3016.7	2977.7							
CCV					CCV	05/10/22 04:48:01 pm	4.950	70850	0.31			99.03
	Replicates	70773.0	70972.7	71070.9	70585.2							
CCB					CCB	05/10/22 04:49:30 pm	-0.057	520	1.86			N/A
	Replicates	503.1	526.5	537.5	514.8							

Prep Log Report

Batch Information: MERP 812985 7470A W_P

Template Version: ENV-EPL-MIN4-0027-Rev.00 (13Dec2020)

Prep Method	EPA 7470A	Analysis Method	EPA 7470A	Prepared By	NJ1	Block ID	10MET23
Thermometer ID	200650906	Correction Factor (C)	0	Block Temp (C)	93.5	Corrected Temp. (C)	93.50
Digestion Start Date/Time	05/05/2022 14:11:37:352	Digestion End Date/Time	05/05/2022 16:11:37:352	Block End Temp (C)	93.3	Corrected End Temp. (C)	93.30
Digestion Vessel	364641	Metals Pipette 1	Q383	Metals Pipette 2		Bottle Disp. 1	Q780
Bottle Disp. 2	Q721	Bottle Disp. 3	Q814	Bottle Disp. 4	Q671	Reviewed By	HTV
Reviewed By Date	05/05/2022 17:05	Batch Notes					

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Matrix	Initial Volume (mL)	Conc. HNO3 (mL)	H2SO4 - Conc. (mL)	5% KMnO4 (mL)	5% K2S2O8 (mL)	12% NH2OH*HCL (mL)	Final Volume (mL)	Sample Notes	MERCURY-SPK (mL)
7470A W_P	BLANK	**4310706**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	LCS	**4310707**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		350870 (.15)
7470A W_P	PS	**10606199001**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	PS	**10606199002**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	MS	**4310708**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		350870 (.15)
7470A W_P	MSD	**4310709**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		350870 (.15)
7470A W_P	PS	**10606199003**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	PS	**10606631001**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	PS	**10606632001**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	PS	**10606633001**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	PS	**10606772001**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	PS	**10606782001**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	PS	**10606806001**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	PS	**10606807001**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	PS	**10606561001**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		
7470A W_P	PS	**10606563001**	Water	30	357589 (0.75)	353884 (1.5)	358566 (5)	363340 (2.5)	363339 (1.8)	30		

Prep Log Report

Standard Notes:

350870: LCS, MS, MSD Spike Solution

SAMPLE NO.

EB01-042822-01

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Lab Sample ID: 10606563001 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7664-41-7	Nitrogen, Ammonia	ND	U	mg/L	1	05/16/2022 14:35

FORM II INORGANIC-1

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Initial Calibration Verification Source: 366155

Continuing Calibration Verification Source: 366155

Concentration Units: mg/L Instrument ID: 10WT92

	Initial Calibration Verification				Continuing Calibration Verification			
	05/16/2022 14:26				05/16/2022 14:43			Control Limit
Analyte	True	Found	%R	Control Limit	True	Found	%R	
Nitrogen, Ammonia	2.5	2.5	101.2	90-110	2.5	2.6	104.0	90-110

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract : D3593500

Method Blank Matrix: Water Instrument ID: 10WT92

Method Blank Concentration Units: mg/L

Analyte	Initial Calibration Blank (mg/L)		Continuing Calibration Blank (mg/L)						Method Blank	
	05/16/2022 14:28	C	05/16/2022 14:45	C		C		C	4323119	C
Nitrogen, Ammonia	-0.021	J	0.015	U					ND	U

SAMPLE NO.

4323121MS

FORM V INORGANIC-1

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Matrix: Water Basis: Wet Parent Sample ID: 10607680002

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Nitrogen, Ammonia	mg/L	90-110	2.5	ND	2.5	102

SAMPLE NO.

4323122MSD

FORM V INORGANIC-2

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Matrix: Water Basis: Wet Parent Sample ID: 10607680002

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Nitrogen, Ammonia	mg/L	90-110	2.5	ND	2.5	99

SAMPLE NO.

4323123MS

FORM V INORGANIC-3

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Matrix: Water Basis: Wet Parent Sample ID: 10607541001

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Nitrogen, Ammonia	mg/L	90-110	2.4	ND	2.5	98

SAMPLE NO.

4323124MSD

FORM V INORGANIC-4

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Matrix: Water Basis: Wet Parent Sample ID: 10607541001

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Nitrogen, Ammonia	mg/L	90-110	2.4	ND	2.5	98

SAMPLE NO.

4323122MSD

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Matrix: Water Concentration Units: mg/L

Percent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Nitrogen, Ammonia	20	2.5	2.5	2

SAMPLE NO.

4323124MSD

FORM VI INORGANIC-2
DUPLICATES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Matrix: Water Concentration Units: mg/L

Percent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Nitrogen, Ammonia	20	2.4	2.4	0

SAMPLE NO.

4323120LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Nitrogen, Ammonia	mg/L	2.5	2.5	101	90	110

FORM IX INORGANIC-1
INSTRUMENT DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Preparation Method: None Instrument ID: 10WT92

Concentration Units: mg/L

Analyte	PQL	IDL	IDL Date
Nitrogen, Ammonia	0.10	0.015	03/14/2022

FORM IX INORGANIC-2
METHOD DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Preparation Method: EPA 350.1 Instrument ID: 10WT92

Concentration Units: mg/L

Analyte	PQL	MDL	MDL Date
Nitrogen, Ammonia	0.10	0.015	03/15/2022

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Preparation Method: EPA 350.1 Batch: WETA 52154

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
4323119	4323119	05/16/2022	25	25
4323120	4323120	05/16/2022	25	25
4323121	4323121	05/16/2022	25	25
4323122	4323122	05/16/2022	25	25
4323123	4323123	05/16/2022	25	25
4323124	4323124	05/16/2022	25	25
10606563001	EB01-042822-01	05/16/2022	25	25

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606563 Contract: D3593500

Instrument ID: 10WT92 Analysis Method: EPA 350.1

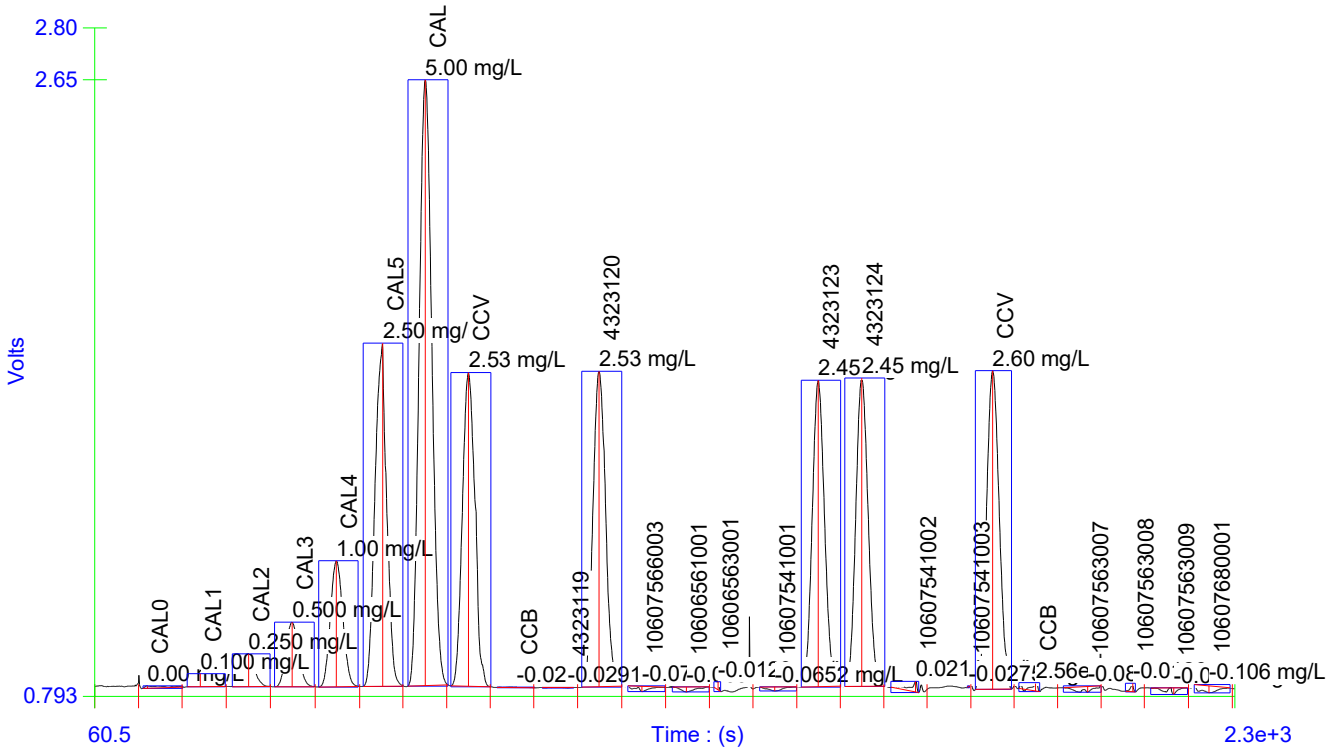
Start Date: 05/16/2022 14:16 End Date: 05/16/2022 14:55

Sample Name	Lab Sample ID	D/F	Date	Time	NH3N
29986685CAL0	29986685CAL0	1	05/16/2022	14:16	X
29986686CAL1	29986686CAL1	1	05/16/2022	14:18	X
29986687CAL2	29986687CAL2	1	05/16/2022	14:19	X
29986688CAL3	29986688CAL3	1	05/16/2022	14:20	X
29986689CAL4	29986689CAL4	1	05/16/2022	14:22	X
29986690CAL5	29986690CAL5	1	05/16/2022	14:23	X
29986691CAL6	29986691CAL6	1	05/16/2022	14:25	X
29986692ICV	29986692ICV	1	05/16/2022	14:26	X
29986693ICB	29986693ICB	1	05/16/2022	14:28	X
4323119BLANK	4323119	1	05/16/2022	14:29	X
4323120LCS	4323120	1	05/16/2022	14:30	X
EB01-042822-01	10606563001	1	05/16/2022	14:35	X
10607541001	10607541001	1	05/16/2022	14:36	X
4323123MS	4323123	1	05/16/2022	14:38	X
4323124MSD	4323124	1	05/16/2022	14:39	X
29986694CCV	29986694CCV	1	05/16/2022	14:43	X
29986695CCB	29986695CCB	1	05/16/2022	14:45	X
10607680002	10607680002	1	05/16/2022	14:52	X
4323121MS	4323121	1	05/16/2022	14:53	X
4323122MSD	4323122	1	05/16/2022	14:55	X

Original Run Filename: OM_5-16-2022_02-15-27PM.OMN Created: 5/16/2022 2:15:27 PM
Original Run Author's Signature: [10wetuser]
Current Run Filename: WETA 52154.omn Last Modified: 5/16/2022 3:27:50 PM
Current Run Author's Signature: [10wetuser]
Description: WETA 52154 NH3 JFP

Sample	Cup No.	Channel 2 NH3		Detection Time	MDF
		Conc. (mg/L)	Area (V.s)		
CAL0	S2	0.00	0.290	5/16/2022@2:16:35 PM	
CAL1	S3	0.100	1.24	5/16/2022@2:18:01 PM	
CAL2	S4	0.250	2.75	5/16/2022@2:19:27 PM	
CAL3	S5	0.500	5.51	5/16/2022@2:20:54 PM	
CAL4	S6	1.00	10.7	5/16/2022@2:22:21 PM	
CAL5	S7	2.50	27.1	5/16/2022@2:23:49 PM	
CAL6	S8	5.00	52.4	5/16/2022@2:25:16 PM	
CCV	S1	2.53	26.8	5/16/2022@2:26:42 PM	
Known Conc:		2.50			
Calibration:		Table/Fig. : 1			
CCB	S2	-0.0212	0.0607	5/16/2022@2:28:08 PM	
Known Conc:		100			
4323119	S2	-0.0291	-0.0222	5/16/2022@2:29:33 PM	
4323120	S1	2.53	26.8	5/16/2022@2:30:59 PM	
10607566003	1	-0.0703	-0.454	5/16/2022@2:32:25 PM	
10606561001	2	-0.0697	-0.448	5/16/2022@2:33:52 PM	
10606563001	3	-0.0129	0.147	5/16/2022@2:35:18 PM	
10607541001	4	-0.0652	-0.400	5/16/2022@2:36:44 PM	
4323123	5	2.45	26.0	5/16/2022@2:38:10 PM	
4323124	6	2.45	25.9	5/16/2022@2:39:36 PM	
10607541002	7	0.0214	0.507	5/16/2022@2:41:02 PM	
10607541003	8	-0.0275	-5.75e-3	5/16/2022@2:42:27 PM	
CCV	S1	2.60	27.5	5/16/2022@2:43:53 PM	
Known Conc:		2.50			
CCB	S2	2.56e-3	0.309	5/16/2022@2:45:19 PM	
Known Conc:		100			
10607563007	9	-0.0881	-0.640	5/16/2022@2:46:44 PM	
10607563008	10	-0.0126	0.151	5/16/2022@2:48:09 PM	
10607563009	11	-0.0655	-0.404	5/16/2022@2:49:35 PM	
10607680001	12	-0.106	-0.826	5/16/2022@2:51:00 PM	
10607680002	13	-0.0741	-0.494	5/16/2022@2:52:27 PM	
4323121	14	2.54	26.9	5/16/2022@2:53:53 PM	
4323122	15	2.48	26.3	5/16/2022@2:55:19 PM	
10607680003	16	-0.0646	-0.395	5/16/2022@2:56:45 PM	
10607680004	17	-0.116	-0.932	5/16/2022@2:58:11 PM	
10607680005	18	-3.33e-3	0.248	5/16/2022@2:59:37 PM	
CCV	S1	2.57	27.2	5/16/2022@3:01:02 PM	
Known Conc:		2.50			
CCB	S2	-8.60e-3	0.192	5/16/2022@3:02:28 PM	
Known Conc:		100			
10607680006	19	-0.0637	-0.385	5/16/2022@3:03:54 PM	
10607680007	20	0.0146	0.435	5/16/2022@3:05:19 PM	
10607680008	21	-0.0637	-0.384	5/16/2022@3:06:44 PM	
10607680009	22	-0.0964	-0.728	5/16/2022@3:08:10 PM	
10607680010	23	-0.0640	-0.389	5/16/2022@3:09:35 PM	
10607917001	24	134	28.5	5/16/2022@3:11:00 PM	50.00
10607680001	12	-0.0684	-0.435	5/16/2022@3:12:25 PM	
10607680004	17	-0.0347	-0.0810	5/16/2022@3:13:51 PM	
CCV	S1	2.57	27.2	5/16/2022@3:18:47 PM	
Known Conc:		2.50			
CCB	S2	-4.56e-3	0.235	5/16/2022@3:20:12 PM	
Known Conc:		100			

Channel 2 - Set: 1 / 2



Channel 2 - Set: 2 / 2

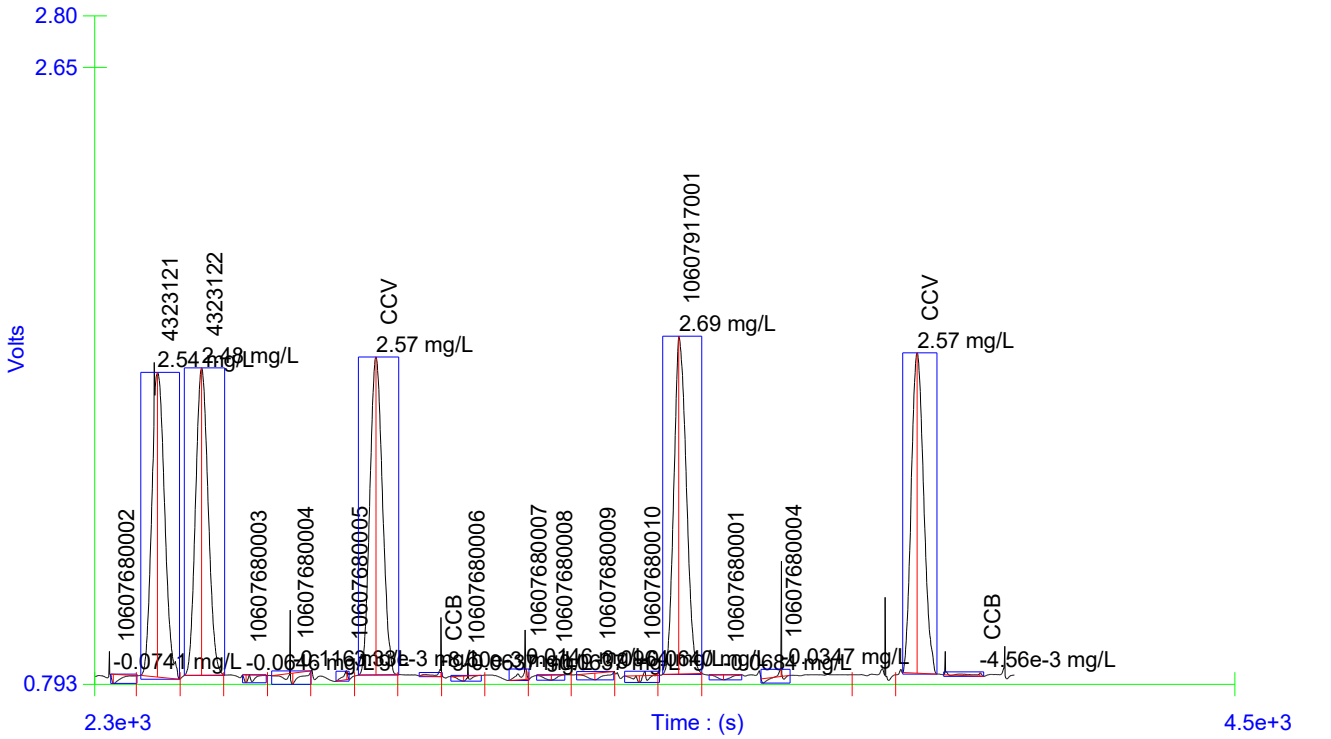
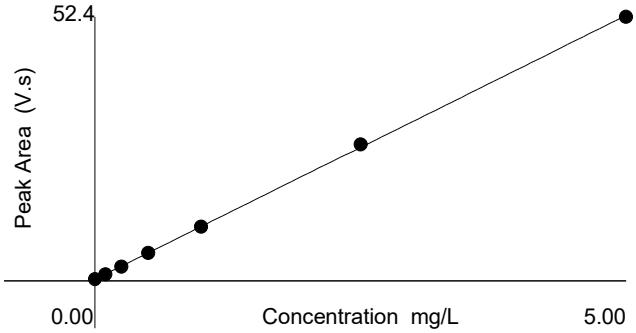


Table : 1 (NH3)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	5.00	1	52.4	1.82	0.0	0.5	4.97	5/16/2022	2:25:16 PM
2	2.50	1	27.1	1.03	0.0	-2.2	2.56	5/16/2022	2:23:49 PM
3	1.00	1	10.7	0.378	0.0	0.7	0.993	5/16/2022	2:22:21 PM
4	0.500	1	5.51	0.195	0.0	0.2	0.499	5/16/2022	2:20:54 PM
5	0.250	1	2.75	0.0978	0.0	5.2	0.236	5/16/2022	2:19:27 PM
6	0.100	1	1.24	0.0396	0.0	6.9	0.0914	5/16/2022	2:18:01 PM
7	0.00	1	0.290	6.57e-3			6.99e-4	5/16/2022	2:16:35 PM

Figure : 1 (NH3)



Area = 10.5 * Conc + 0.286
Conc = 0.0954 * Area - 0.0270
Correlation Coefficient (r) = 0.99989

Weighting : None

Prep Log Report

Batch Information: WETA 52154 TRACE

Template Version: ENV-EPL-MIN4-0084-Rev.00 (08Feb2021)

Prep Method	EPA 350.1	Analysis Method	EPA 350.1	Prepared By	JFP	Prep Date/Time	05/16/2022 15:14:14:520
Instrument	10WT92	NH3 buffer	366115	Salicylate Nitroprusside	366117	NH3 Alkaline Donor	366116
NH3 Hypochlorite Generator	366118	0.45um Syringe Filters	None Added	Auto-Sampler Vessels	364728	Residual Chlorine Strips	294136
Centrifuge Tubes	352187	Disposable Pipettes	363975	Syringe Filter	None Added	Acidified H2O	366114
Pipette ID 1	Q846	Pipette ID 2	Q813	Pipette ID 3	Q812	Pipette ID 4	Q619
Reviewed By	KEO	Reviewed By Date	05/17/2022 14:17	Batch Notes			

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Matrix	Dilution	Filtered	Residual Chlorine Present	Sample Notes	NH3-SPK (mL)	CAL-STD
3501 W	BLANK	**4323119**	Water		No	No			
3501 W	LCS	**4323120**	Water		No	No		335919 (.0625)	
3501 W	PS	**10607566003**	Water		No	No			
3501 W	PS	**10606561001**	Water		No	No			
3501 W	PS	**10606563001**	Water		No	No			
3501 W	PS	**10607541001**	Water		No	No			
3501 W	MS	**4323123**	Water		No	No		335919 (.0625)	
3501 W	MSD	**4323124**	Water		No	No		335919 (.0625)	
3501 W	PS	**10607541002**	Water		No	No			
3501 W	PS	**10607541003**	Water		No	No			
3501 W	PS	**10607563007**	Water		No	No			
3501 W	PS	**10607563008**	Water		No	No			
3501 W	PS	**10607563009**	Water		No	No			
3501 W	PS	**10607680001**	Water		No	No			
3501 W	RQS	**10607680002**	Water		No	No			
3501 W	MS	**4323121**	Water		No	No		335919 (.0625)	
3501 W	MSD	**4323122**	Water		No	No		335919 (.0625)	
3501 W	PS	**10607680003**	Water		No	No			

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Prep Log Report

QC Rule	Sample Type	Lab Sample ID	Matrix	Dilution	Filtered	Residual Chlorine Present	Sample Notes	NH3-SPK (mL)	CAL-STD
3501 W	PS	**10607680004**	Water		No	No			
3501 W	PS	**10607680005**	Water		No	No			
3501 W	PS	**10607680006**	Water		No	No			
3501 W	PS	**10607680007**	Water		No	No			
3501 W	PS	**10607680008**	Water		No	No			
3501 W	PS	**10607680009**	Water		No	No			
3501 W	PS	**10607680010**	Water		No	No			
3501 W	PS	**10607917001**	Water		No	No			
WETA NH3_Q	CCV	**CCV**	Water						366155 (1)
WETA NH3_Q	CCB	**CCB**	Water						366148 (1)
WETA NH3_Q	CAL0	**CAL0**	Water						366148 (1)
WETA NH3_Q	CAL1	**CAL1**	Water						366149 (1)
WETA NH3_Q	CAL2	**CAL2**	Water						366150 (1)
WETA NH3_Q	CAL3	**CAL3**	Water						366151 (1)
WETA NH3_Q	CAL4	**CAL4**	Water						366152 (1)
WETA NH3_Q	CAL5	**CAL5**	Water						366153 (1)
WETA NH3_Q	CAL6	**CAL6**	Water						366154 (1)
WETA NH3_Q	ICB	**ICB**	Water						366148 (1)
WETA NH3_Q	ICV	**ICV**	Water						366155 (1)

Standard Notes:

335919: NH3 QC Stock 1000 mg/L

ANALYTICAL REPORT

May 31, 2022

Pace Analytical - Minnesota

Sample Delivery Group:	L1488631
Samples Received:	05/03/2022
Project Number:	10606563
Description:	D3593500
Site:	001
Report To:	Kongmeng Vang 1700 Elm Street Suite 200 Minneapolis, MN 55414

Entire Report Reviewed By:

Nancy McLain
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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LCS(R3791750-2) WG1862545 05/13/22 17:58 DR6000-3 13

DUP(R3791750-3) WG1862545 05/13/22 18:00 DR6000-3 14

DUP(R3791750-6) WG1862545 05/13/22 18:19 DR6000-3 15

MS(R3791750-4) WG1862545 05/13/22 18:08 DR6000-3 16

MSD(R3791750-5) WG1862545 05/13/22 18:08 DR6000-3 17

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SAMPLE SUMMARY

EB01-042822-01 L1488631-01 GW			Collected by	Collected date/time 04/28/22 10:50	Received date/time 05/03/22 09:30	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500S2 D-2011	WG1862545	1	05/13/22 18:13	05/13/22 18:13	SMW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1858057	1	05/05/22 04:53	05/05/22 15:31	JNJ	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Nancy McLain
Project Manager

Report Revision History

Level II Report - Version 1: 05/16/22 15:42

Sample Delivery Group (SDG) Narrative

An aliquot for analysis was taken from the original container received due to volume requirements of the laboratory's procedure. Rinsing of the original sample container for inclusion in the sample extraction was not performed.

Lab Sample ID	Project Sample ID	Method
L1488631-01	EB01-042822-01	8270E

4500S2 D-2011 Wet Chemistry

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
EB01-042822-01

Lab Sample ID:	L1488631-01	**SDG:**	L1488631
Client Sample ID:	EB01-042822-01	**Collected Date/Time:**	04/28/22 10:50
Lab File ID:	20220513181342	**Received Date/Time:**	05/03/22 09:30
Instrument ID:	DR6000-3	**Preparation Date/Time:**	05/13/22 18:13
Analytical Batch:	WG1862545	**Analysis Date/Time:**	05/13/22 18:13
Dilution Factor:	1	**Prep Method:**	4500S2 D-2011
Analytical Method:	4500S2 D-2011	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	7.5 mL
Total Solids (%):	_____	**Final Wt/Vol:**	7.5 mL

Analyte	CAS	Result	Qualifier	MDL	RDL
		ug/l		*ug/l*	*ug/l*
Sulfide	18496-25-8	U	Q	25.0	50.0

Sample Narrative:
Ran out of hold due to supply chain issues.

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3791750-1	**SDG:**	L1488631
Client Sample ID:	BLANK	**Collected Date/Time:**	_____
Lab File ID:	20220513175825	**Received Date/Time:**	_____
Instrument ID:	DR6000-3	**Preparation Date/Time:**	05/13/22 17:58
Analytical Batch:	WG1862545	**Analysis Date/Time:**	05/13/22 17:58
Dilution Factor:	1	**Prep Method:**	4500 S2 D-2011/4500S2 D-2011
Analytical Method:	4500S2 D-2011	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	7.5 mL
Total Solids (%):	_____	**Final Wt/Vol:**	7.5 mL

Analyte	CAS	Result	Qualifier	MDL	RDL
		ug/l		*ug/l*	*ug/l*
Sulfide	18496-25-8	U		25.0	50.0

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3791750-2	**SDG:**	L1488631
Client Sample ID:	LCS	**Collected Date/Time:**	_____
Lab File ID:	20220513175846	**Received Date/Time:**	_____
Instrument ID:	DR6000-3	**Preparation Date/Time:**	05/13/22 17:58
Analytical Batch:	WG1862545	**Analysis Date/Time:**	05/13/22 17:58
Dilution Factor:	1	**Prep Method:**	4500 S2 D-2011/4500S2 D-2011
Analytical Method:	4500S2 D-2011	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	7.5 mL
Total Solids (%):	_____	**Final Wt/Vol:**	7.5 mL

Analyte	CAS	Result	Qualifier	MDL	RDL
		ug/l		*ug/l*	*ug/l*
Sulfide	18496-25-8	555		25.0	50.0

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3791750-3	**SDG:**	L1488631
Client Sample ID:	DUP	**Collected Date/Time:**	04/29/22 11:27
Lab File ID:	20220513180039	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	DR6000-3	**Preparation Date/Time:**	05/13/22 18:00
Analytical Batch:	WG1862545	**Analysis Date/Time:**	05/13/22 18:00
Dilution Factor:	1	**Prep Method:**	4500S2 D-2011
Analytical Method:	4500S2 D-2011	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	7.5 mL
Total Solids (%):	_____	**Final Wt/Vol:**	7.5 mL

Analyte	CAS	Result	Qualifier	MDL	RDL
		ug/l		*ug/l*	*ug/l*
Sulfide	18496-25-8	U		25.0	50.0

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3791750-6	**SDG:**	L1488631
Client Sample ID:	DUP	**Collected Date/Time:**	05/02/22 14:57
Lab File ID:	20220513181900	**Received Date/Time:**	05/03/22 09:30
Instrument ID:	DR6000-3	**Preparation Date/Time:**	05/13/22 18:19
Analytical Batch:	WG1862545	**Analysis Date/Time:**	05/13/22 18:19
Dilution Factor:	1	**Prep Method:**	4500S2 D-2011
Analytical Method:	4500S2 D-2011	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	7.5 mL
Total Solids (%):	_____	**Final Wt/Vol:**	7.5 mL

Analyte	CAS	Result	Qualifier	MDL	RDL
		ug/l		*ug/l*	*ug/l*
Sulfide	18496-25-8	U		25.0	50.0

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3791750-4	**SDG:**	L1488631
Client Sample ID:	MS	**Collected Date/Time:**	04/29/22 14:35
Lab File ID:	20220513180815	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	DR6000-3	**Preparation Date/Time:**	05/13/22 18:08
Analytical Batch:	WG1862545	**Analysis Date/Time:**	05/13/22 18:08
Dilution Factor:	1	**Prep Method:**	4500S2 D-2011
Analytical Method:	4500S2 D-2011	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	7.5 mL
Total Solids (%):	_____	**Final Wt/Vol:**	7.5 mL

Analyte	CAS	Result	Qualifier	MDL	RDL
		ug/l		*ug/l*	*ug/l*
Sulfide	18496-25-8	556		25.0	50.0

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3791750-5	**SDG:**	L1488631
Client Sample ID:	MSD	**Collected Date/Time:**	04/29/22 14:35
Lab File ID:	20220513180853	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	DR6000-3	**Preparation Date/Time:**	05/13/22 18:08
Analytical Batch:	WG1862545	**Analysis Date/Time:**	05/13/22 18:08
Dilution Factor:	1	**Prep Method:**	4500S2 D-2011
Analytical Method:	4500S2 D-2011	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	7.5 mL
Total Solids (%):	_____	**Final Wt/Vol:**	7.5 mL

Analyte	CAS	Result	Qualifier	MDL	RDL
		ug/l		*ug/l*	*ug/l*
Sulfide	18496-25-8	558		25.0	50.0

2-IN

CALIBRATION VERIFICATION

SDG:	L1488631	**Calibration (begin) date/time:**	05/12/22 18:28
Instrument ID:	DR6000-3	**Calibration (end) date/time:**	05/12/22 18:28
Analytical Method:	4500S2 D-2011	**Analytical Run:**	WG1862545
Concentration Units:	mg/L		

		ICV				CCV				CCV			
Sample ID:		DR6000-3051322175730				DR6000-3051322180148				DR6000-3051322180744			
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	True	Found	%R	%RSD
REACTIVE SULFIDE	0.50	0.5490	110		0.50	0.5500	110		0.50	0.5430	109	
SULFIDE	0.50	0.5490	110		0.50	0.5500	110		0.50	0.5430	109	

ICV Limits: 90 - 110 CCV Limits: 90 - 110

2-IN

CALIBRATION VERIFICATION

SDG:	L1488631	**Calibration (begin) date/time:**	05/12/22 18:28
Instrument ID:	DR6000-3	**Calibration (end) date/time:**	05/12/22 18:28
Analytical Method:	4500S2 D-2011	**Analytical Run:**	WG1862545
Concentration Units:	mg/L		

		CCV				**CCV**				**CCV**			
Sample ID:		DR6000-3051322181227				DR6000-3051322181523				DR6000-3051322181912			
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	True	Found	%R	%RSD
REACTIVE SULFIDE	0.50	0.5410	108		0.50	0.5410	108		0.50	0.5420	108	
SULFIDE	0.50	0.5410	108		0.50	0.5410	108		0.50	0.5420	108	

ICV Limits: 90 - 110 CCV Limits: 90 - 110

SDG:	L1488631	**Calibration (begin) date/time:**	05/12/22 18:28
Instrument ID:	DR6000-3	**Calibration (end) date/time:**	05/12/22 18:28
Analytical Method:	4500S2 D-2011	**Analytical Run:**	WG1862545

Sample ID:	**CCB Result**	**CCB Qual**	**CCB Result**	**CCB Qual**	**CCB Result**	**CCB Qual**	**CCB Result**	**CCB Qual**
File ID:	20220513180207		20220513180804		20220513181239		20220513181534	
Analyte	mg/L		mg/L		mg/L		mg/L	
REACTIVE SULFIDE	-0.01900		-0.01800		-0.01900		-0.02000	
SULFIDE	-0.01900		-0.01800		-0.01900		-0.02000	

SDG:	L1488631	**Calibration (begin) date/time:**	05/12/22 18:28
Instrument ID:	DR6000-3	**Calibration (end) date/time:**	05/12/22 18:28
Analytical Method:	4500S2 D-2011	**Analytical Run:**	WG1862545

Sample ID:	**CCB Result**	**CCB Qual**	**BLANK Result**	**BLANK Qual**
File ID:	20220513182005		20220513175825	
Analyte	mg/L		mg/l	
REACTIVE SULFIDE	-0.02100			
SULFIDE	-0.02100		U	

5A-IN

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

L1488631-01

SAMPLE NO.:
R3791750-4
R3791750-5

MS Sample / File ID:	R3791750-4 / 20220513180815	**SDG:**	L1488631
MSD Sample / File ID:	R3791750-5 / 20220513180853	**Analytical Batch:**	WG1862545
OS Sample / File ID:	L1488096-07 / 20220513180416	**Matrix:**	GW
Instrument ID:	DR6000-3		
Analytical Method:	4500S2 D-2011		

Analyte	Spike Amount	OS Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	RPD	RPD Limits
	ug/l	*ug/l*	*ug/l*	*ug/l*	*%*	*%*		*%*	*%*	*%*
Sulfide	500	U	556	558	111	112	1	80.0 - 120	0.359	20

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

DUP Sample / File ID:	R3791750-3 / 20220513180039	**SDG:**	L1488631
OS Sample / File ID:	L1488096-01 / 20220513175946	**Analytical Batch:**	WG1862545
Instrument ID:	DR6000-3	**Dilution Factor:**	1
Analytical Method:	4500S2 D-2011	**Matrix:**	GW

Analyte	**OS Result**	**DUP Result**	**RPD**	**RPD Limits**
	ug/l	*ug/l*	*ug/l*	*ug/l*
Sulfide	U	U	0.000	20

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

DUP Sample / File ID:	R3791750-6 / 20220513181900	**SDG:**	L1488631
OS Sample / File ID:	L1488730-05 / 20220513181743	**Analytical Batch:**	WG1862545
Instrument ID:	DR6000-3	**Dilution Factor:**	1
Analytical Method:	4500S2 D-2011	**Matrix:**	GW

Analyte	OS Result	DUP Result	RPD	RPD Limits
	ug/l	*ug/l*	*ug/l*	*ug/l*
Sulfide	U	U	0.000	20

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

7-IN

LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE RECOVERY
L1488631-01

SAMPLE NO.:
R3791750-2

LCS Sample / File ID:	R3791750-2 / 20220513175846	**SDG:**	L1488631
LCSD Sample / File ID:	_____	**Analytical Batch:**	WG1862545
Instrument ID:	DR6000-3	**Dilution Factor:**	1
Analytical Method:	4500S2 D-2011	**Matrix:**	GW

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	RPD	RPD Limits
	ug/l	*ug/l*		*%*	*%*	*%*	*%*	*%*
Sulfide	500	555		111		85.0 - 115		

*: Value outside the established quality control limits.
D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

DETECTION LIMIT SUMMARY

Lab Sample IDs: L1488631-01 **Analytical Method:** 4500S2 D-2011

Matrix: GW **Prep Method:** 4500S2 D-2011

Analyte	CAS	Wavelength	Mass	MDL	RDL
				mg/l	*mg/l*
Sulfide	18496-25-8			0.0250	0.05

ANALYSIS LOG

SDG:	L1488631	**Analytical Method:**	4500S2 D-2011
Instrument ID:	DR6000-3	**Calibration Start Date:**	_____
Analytical Run:	WG1866037	**Calibration End Date:**	_____

Client Sample ID	Lab Sample ID	File ID	Analysis Date Time	Dilution	Batch
CAL	0	32	05/12/22 18:28		
CAL	.05	33	05/12/22 18:28		
CAL	.1	34	05/12/22 18:28		
CAL	.5	35	05/12/22 18:28		
CAL	1	36	05/12/22 18:28		
CAL	1.5	37	05/12/22 18:28		

ANALYSIS LOG

SDG:	L1488631	**Analytical Method:**	4500S2 D-2011
Instrument ID:	DR6000-3	**Calibration Start Date:**	05/12/22 18:28
Analytical Run:	WG1862545	**Calibration End Date:**	05/12/22 18:28

Client Sample ID	Lab Sample ID	File ID	Analysis Date Time	Dilution	Batch
ICV	DR6000-3051322175730	20220513175730	05/13/22 17:57		
BLANK	R3791750-1	20220513175825	05/13/22 17:58	1	WG1862545
LCS	R3791750-2	20220513175846	05/13/22 17:58	1	WG1862545
L1487566-03	L1487566-03	20220513175915	05/13/22 17:59	1	WG1862545
OS	L1488096-01	20220513175946	05/13/22 17:59		
L1488096-01	L1488096-01	20220513175946	05/13/22 17:59	1	WG1862545
DUP	R3791750-3	20220513180039	05/13/22 18:00	1	WG1862545
L1488096-02	L1488096-02	20220513180059	05/13/22 18:00	1	WG1862545
L1488096-03	L1488096-03	20220513180135	05/13/22 18:01	1	WG1862545
CCV	DR6000-3051322180148	20220513180148	05/13/22 18:01		
CCB	DR6000-3051322180207	20220513180207	05/13/22 18:02		
L1488096-04	L1488096-04	20220513180241	05/13/22 18:02	1	WG1862545
L1488096-05	L1488096-05	20220513180311	05/13/22 18:03	1	WG1862545
L1488096-06	L1488096-06	20220513180341	05/13/22 18:03	1	WG1862545
OS	L1488096-07	20220513180416	05/13/22 18:04		
L1488096-07	L1488096-07	20220513180416	05/13/22 18:04	1	WG1862545
CCV	DR6000-3051322180744	20220513180744	05/13/22 18:07		
CCB	DR6000-3051322180804	20220513180804	05/13/22 18:08		
MS	R3791750-4	20220513180815	05/13/22 18:08	1	WG1862545
MSD	R3791750-5	20220513180853	05/13/22 18:08	1	WG1862545
L1488096-08	L1488096-08	20220513180932	05/13/22 18:09	1	WG1862545
L1488096-09	L1488096-09	20220513181058	05/13/22 18:10	1	WG1862545
L1488096-10	L1488096-10	20220513181132	05/13/22 18:11	1	WG1862545
L1488096-11	L1488096-11	20220513181212	05/13/22 18:12	1	WG1862545
CCV	DR6000-3051322181227	20220513181227	05/13/22 18:12		
CCB	DR6000-3051322181239	20220513181239	05/13/22 18:12		
L1488626-01	L1488626-01	20220513181313	05/13/22 18:13	1	WG1862545
EB01-042822-01	L1488631-01	20220513181342	05/13/22 18:13	1	WG1862545
L1488730-01	L1488730-01	20220513181414	05/13/22 18:14	1	WG1862545
L1488730-02	L1488730-02	20220513181452	05/13/22 18:14	1	WG1862545
CCV	DR6000-3051322181523	20220513181523	05/13/22 18:15		
CCB	DR6000-3051322181534	20220513181534	05/13/22 18:15		
L1488730-03	L1488730-03	20220513181548	05/13/22 18:15	1	WG1862545
OS	L1488730-05	20220513181743	05/13/22 18:17		
L1488730-05	L1488730-05	20220513181743	05/13/22 18:17	1	WG1862545
DUP	R3791750-6	20220513181900	05/13/22 18:19	1	WG1862545
CCV	DR6000-3051322181912	20220513181912	05/13/22 18:19		
CCB	DR6000-3051322182005	20220513182005	05/13/22 18:20		

15-IN

INITIAL CALIBRATION RECOVERY

SDG:	L1488631	**Calibration (begin) date/time:**	05/12/22 18:28
Instrument ID:	DR6000-3	**Calibration (end) date/time:**	05/12/22 18:28
Analytical Method:	4500S2 D-2011	**Analytical Run:**	WG1862545

Analyte	**Std Conc**	**Result**	**Rec.**	**Std Conc**	**Result**	**Rec.**
	mg/l	mg/l	%	mg/l	mg/l	%
SULFIDE	0.05	.0390233435	78	0.10	.0933224135	93.30
File ID:		33			34	

15-IN

INITIAL CALIBRATION RECOVERY

SDG:	L1488631	**Calibration (begin) date/time:**	05/12/22 18:28
Instrument ID:	DR6000-3	**Calibration (end) date/time:**	05/12/22 18:28
Analytical Method:	4500S2 D-2011	**Analytical Run:**	WG1862545

Analyte	**Std Conc**	**Result**	**Rec.**	**Std Conc**	**Result**	**Rec.**
	mg/l	mg/l	%	mg/l	mg/l	%
SULFIDE	0.50	.541289741	108	1	1.0308863555	103
File ID:		35			36	

15-IN

INITIAL CALIBRATION RECOVERY

SDG:	L1488631	**Calibration (begin) date/time:**	05/12/22 18:28
Instrument ID:	DR6000-3	**Calibration (end) date/time:**	05/12/22 18:28
Analytical Method:	4500S2 D-2011	**Analytical Run:**	WG1862545

Analyte	**Std Conc**	**Result**	**Rec.**
	mg/l	mg/l	%
SULFIDE	1.50	1.4634689465	97.60
File ID:		37	

GENERAL CHEMISTRY
INITIAL CALIBRATION

SDG:	L1488631	**Calibration (begin) date/time:**	05/12/22 18:28
Instrument ID:	DR6000-3	**Calibration (end) date/time:**	05/12/22 18:28
Analytical Method:	4500S2 D-2011	**Analytical Run:**	WG1862545

Analyte	Cal. Type	Weightage	Corr.	Coef1	Coef2	Slope	Incpt	% RSD
SULFIDE	0	5	0.998794			0.904985	-0.017991	

Calibration Type

0 = Linear Regression

Weightage

5 = None

Instrument: DR6000-3

Created: 05/12/22 19:21

Calibration Date: 05/12/22 18:28

Program Name: Sulfide 5/11/22 AW3772

Wavelength: 665.0 nm

Analytical Method: 4500-S2-D

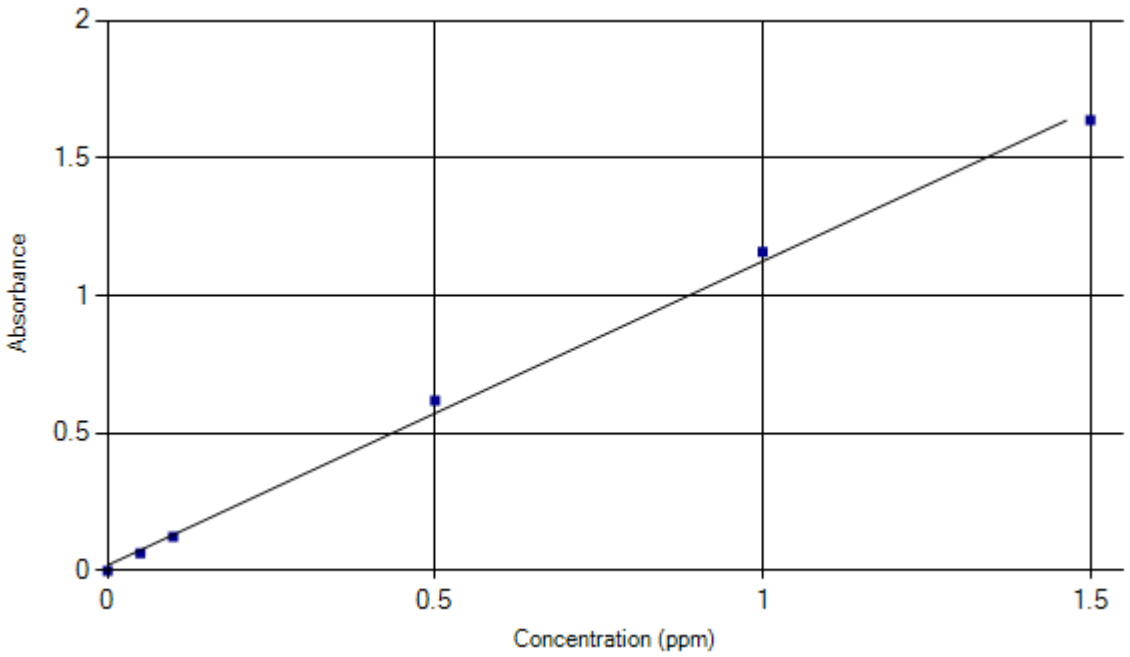
Analyte: Sulfide

Calibration Equation: Concentration = -0.01799068 + 0.9049845 * Absorbance

Standard ID: 22E12890

ppm	Absorbance
0	0
0.05	0.063
0.1	0.123
0.5	0.618
1	1.159
1.5	1.637

R = 0.9987936



Instrument: DR6000-3

Created: 05/13/22 18:33

Serial Number: 1894098

Date/Time	Analyte	Program	Sample ID	Dilution	Result	Units	Absorbance
05/13/22 17:57:30	Sulfide	Sulfide 5/11/22 AW3772	ICV	1	0.549	mg/L	0.626
05/13/22 17:58:25	Sulfide	Sulfide 5/11/22 AW3772	BLANK WG1862545	1	-0.021	mg/L	-0.003
05/13/22 17:58:46	Sulfide	Sulfide 5/11/22 AW3772	LCS WG1862545	1	0.555	mg/L	0.633
05/13/22 17:59:15	Sulfide	Sulfide 5/11/22 AW3772	L1487566-03SR WG1862545	1	0.108	mg/L	0.139
05/13/22 17:59:30	Sulfide	Sulfide 5/11/22 AW3772	L1487566-03SR-SB WG1862545	1	-0.048	mg/L	-0.033
05/13/22 17:59:46	Sulfide	Sulfide 5/11/22 AW3772	L1488096-01 WG1862545	1	-0.034	mg/L	-0.018
05/13/22 18:00:01	Sulfide	Sulfide 5/11/22 AW3772	L1488096-01-SB WG1862545	1	-0.052	mg/L	-0.037
05/13/22 18:00:39	Sulfide	Sulfide 5/11/22 AW3772	DUP L1488096-01 WG1862545	1	-0.034	mg/L	-0.017
05/13/22 18:00:59	Sulfide	Sulfide 5/11/22 AW3772	L1488096-02 WG1862545	1	-0.032	mg/L	-0.016
05/13/22 18:01:14	Sulfide	Sulfide 5/11/22 AW3772	L1488096-02-SB WG1862545	1	-0.050	mg/L	-0.036
05/13/22 18:01:35	Sulfide	Sulfide 5/11/22 AW3772	L1488096-03 WG1862545	1	-0.034	mg/L	-0.018
05/13/22 18:01:48	Sulfide	Sulfide 5/11/22 AW3772	CCV	1	0.550	mg/L	0.628
05/13/22 18:02:07	Sulfide	Sulfide 5/11/22 AW3772	CCB	1	-0.019	mg/L	-0.001
05/13/22 18:02:23	Sulfide	Sulfide 5/11/22 AW3772	L1488096-03-SB WG1862545	1	-0.047	mg/L	-0.032
05/13/22 18:02:41	Sulfide	Sulfide 5/11/22 AW3772	L1488096-04 WG1862545	1	-0.033	mg/L	-0.017
05/13/22 18:02:56	Sulfide	Sulfide 5/11/22 AW3772	L1488096-04-SB WG1862545	1	-0.046	mg/L	-0.031
05/13/22 18:03:11	Sulfide	Sulfide 5/11/22 AW3772	L1488096-05 WG1862545	1	-0.032	mg/L	-0.016
05/13/22 18:03:24	Sulfide	Sulfide 5/11/22 AW3772	L1488096-05-SB WG1862545	1	-0.048	mg/L	-0.033
05/13/22 18:03:41	Sulfide	Sulfide 5/11/22 AW3772	L1488096-06 WG1862545	1	-0.032	mg/L	-0.016
05/13/22 18:03:58	Sulfide	Sulfide 5/11/22 AW3772	L1488096-06-SB WG1862545	1	-0.043	mg/L	-0.027
05/13/22 18:04:16	Sulfide	Sulfide 5/11/22 AW3772	L1488096-07 WG1862545	1	-0.033	mg/L	-0.016
05/13/22 18:04:30	Sulfide	Sulfide 5/11/22 AW3772	L1488096-07-SB WG1862545	1	-0.048	mg/L	-0.033
05/13/22 18:07:44	Sulfide	Sulfide 5/11/22 AW3772	CCV	1	0.543	mg/L	0.620
05/13/22 18:08:04	Sulfide	Sulfide 5/11/22 AW3772	CCB	1	-0.018	mg/L	0.000
05/13/22 18:08:15	Sulfide	Sulfide 5/11/22 AW3772	MS L1488096-07 WG1862545	1	0.556	mg/L	0.635
05/13/22 18:08:53	Sulfide	Sulfide 5/11/22 AW3772	MSD L1488096-07 WG1862545	1	0.558	mg/L	0.637
05/13/22 18:09:32	Sulfide	Sulfide 5/11/22 AW3772	L1488096-08 WG1862545	1	-0.033	mg/L	-0.016
05/13/22 18:10:39	Sulfide	Sulfide 5/11/22 AW3772	L1488096-08-SB WG1862545	1	-0.045	mg/L	-0.030
05/13/22 18:10:58	Sulfide	Sulfide 5/11/22 AW3772	L1488096-09 WG1862545	1	-0.033	mg/L	-0.017
05/13/22 18:11:14	Sulfide	Sulfide 5/11/22 AW3772	L1488096-09-SB WG1862545	1	-0.046	mg/L	-0.031
05/13/22 18:11:32	Sulfide	Sulfide 5/11/22 AW3772	L1488096-10 WG1862545	1	0.029	mg/L	0.052
05/13/22 18:11:49	Sulfide	Sulfide 5/11/22 AW3772	L1488096-10-SB WG1862545	1	-0.019	mg/L	-0.001
05/13/22 18:12:12	Sulfide	Sulfide 5/11/22 AW3772	L1488096-11 WG1862545	1	-0.034	mg/L	-0.017
05/13/22 18:12:27	Sulfide	Sulfide 5/11/22 AW3772	CCV	1	0.541	mg/L	0.618
05/13/22 18:12:39	Sulfide	Sulfide 5/11/22 AW3772	CCB	1	-0.019	mg/L	-0.001
05/13/22 18:12:57	Sulfide	Sulfide 5/11/22 AW3772	L1488096-11-SB WG1862545	1	-0.046	mg/L	-0.031
05/13/22 18:13:13	Sulfide	Sulfide 5/11/22 AW3772	L1488626-01 WG1862545	1	-0.033	mg/L	-0.017
05/13/22 18:13:27	Sulfide	Sulfide 5/11/22 AW3772	L1488626-01-SB WG1862545	1	-0.046	mg/L	-0.031
05/13/22 18:13:42	Sulfide	Sulfide 5/11/22 AW3772	L1488631-01 WG1862545	1	-0.033	mg/L	-0.016

Date/Time	Analyte	Program	Sample ID	Dilution	Result	Units	Absorbance
05/13/22 18:13:56	Sulfide	Sulfide 5/11/22 AW3772	L1488631-01-SB WG1862545	1	-0.046	mg/L	-0.031
05/13/22 18:14:14	Sulfide	Sulfide 5/11/22 AW3772	L1488730-01 WG1862545	1	-0.033	mg/L	-0.016
05/13/22 18:14:28	Sulfide	Sulfide 5/11/22 AW3772	L1488730-01-SB WG1862545	1	-0.047	mg/L	-0.032
05/13/22 18:14:52	Sulfide	Sulfide 5/11/22 AW3772	L1488730-02 WG1862545	1	-0.033	mg/L	-0.016
05/13/22 18:15:07	Sulfide	Sulfide 5/11/22 AW3772	L1488730-02-SB WG1862545	1	-0.046	mg/L	-0.031
05/13/22 18:15:23	Sulfide	Sulfide 5/11/22 AW3772	CCV	1	0.541	mg/L	0.618
05/13/22 18:15:34	Sulfide	Sulfide 5/11/22 AW3772	CCB	1	-0.020	mg/L	-0.002
05/13/22 18:15:48	Sulfide	Sulfide 5/11/22 AW3772	L1488730-03 WG1862545	1	-0.033	mg/L	-0.016
05/13/22 18:16:01	Sulfide	Sulfide 5/11/22 AW3772	L1488730-03-SB WG1862545	1	-0.045	mg/L	-0.030
05/13/22 18:17:43	Sulfide	Sulfide 5/11/22 AW3772	L1488730-05 WG1862545	1	-0.034	mg/L	-0.018
05/13/22 18:18:30	Sulfide	Sulfide 5/11/22 AW3772	L1488730-05-SB WG1862545	1	-0.042	mg/L	-0.027
05/13/22 18:19:00	Sulfide	Sulfide 5/11/22 AW3772	DUP L1488730-05 WG1862545	1	-0.033	mg/L	-0.017
05/13/22 18:19:12	Sulfide	Sulfide 5/11/22 AW3772	CCV	1	0.542	mg/L	0.618
05/13/22 18:20:05	Sulfide	Sulfide 5/11/22 AW3772	CCB	1	-0.021	mg/L	-0.003

REACTS Water WetChem Prep Benchsheet

Batch: WG1862545

Analyst: SMW3803 **Prep Start Date/Time:** 05/11/22 17:00 **Prep End Date/Time:** 05/13/22 17:25 **Date/Time Analyzed:** 05/13/22 17:35:29 **SOP:** 0173
Method: 4500S2-D **Instrument:** DR6000-3 **ICV True Value:** 0.5 mg/L **LCS True Value:** 0.5 mg/L **MS/D True Value:** 0.5 mg/L **1mL Auto Pipette SN:** J17613481
1mL Auto Pipette Tip Lot#: 2140707 **2mL Auto Pipette SN:** 27051003 **2mL Auto Pipette Tip Lot#:** 210467 **10mL Auto Pipette SN:** 14041180
10mL Auto Pipette Tip Lot#: 21306BO **5mL Pipette Lot#:** NA **10mL Pipette Lot#:** NA **Culture Tube Lot#:** 22080303 **Cuvette Lot#:** NA
pH Strip Lot#: 10BDH4111

ICV Standard: 22E11716 Amt. Used: 37.50 Exp. Date:05/18/22 **MS/D Standard:** 22E11716 Amt. Used: 37.50 Exp. Date:05/18/22
LCS/D Standard: 22E12824 Amt. Used: 37.50 Exp. Date:05/19/22 **Amine Sulfuric Acid:** 22E11685 Amt. Used: 0.50 mL Exp. Date:04/30/23
Ammonium Phosphate: 22D24339 Amt. Used: 1.60 mL Exp. Date:03/01/24 **Ferric Chloride:** 22D20856 Amt. Used: 3 drops Exp. Date:04/30/23
1:1 H2SO4: 22E04822 Amt. Used: 0.50 mL Exp. Date:09/01/22

Sample Number	Prep Flags	Matrix	pH	Sample Volume Used (mL)	Final Volume (mL)	Review Analyst	Review Date
ICV			>9	7.5	7.5	SMW3803	05/13/22 18:31:25
BLANK			>9	7.5	7.5	SMW3803	05/13/22 18:31:25
LCS			>9	7.5	7.5	SMW3803	05/13/22 18:31:25
DUP(L1488096-01)			>9	7.5	7.5	SMW3803	05/13/22 18:31:25
DUP(L1488730-05)			>9	7.5	7.5	SMW3803	05/13/22 18:31:25
MS(L1488096-07)			>9	7.5	7.5	SMW3803	05/13/22 18:31:25
MSD(L1488096-07)			>9	7.5	7.5	SMW3803	05/13/22 18:31:25
1. L1487566-03	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
2. L1488096-01	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
3. L1488096-02	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
4. L1488096-03	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
5. L1488096-04	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
6. L1488096-05	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
7. L1488096-06	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
8. L1488096-07	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
9. L1488096-08	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
10. L1488096-09	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
11. L1488096-10	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
12. L1488096-11	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
13. L1488626-01	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
14. L1488631-01	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
15. L1488730-01	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
16. L1488730-02	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
17. L1488730-03	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25
18. L1488730-05	Q	GW	>9	7.5	7.5	SMW3803	05/13/22 18:31:25

Comments:

Reviewed By:SMW3803 on 05/13/22 18:31:25

8270E Semi Volatile Organic Compounds (GC/MS)

2A-OR

SURROGATE RECOVERY

Analytical Method: 8270E **SDG:** L1488631

Matrix: GW

Sample ID	Lab Sample ID	Instrument	File ID	DMC-1	DMC-2	DMC-3	DMC-4	DMC-5	DMC-6	TOT Out
				% Rec.	*% Rec.*	*% Rec.*	*% Rec.*	*% Rec.*	*% Rec.*	
EB01-042822-01	L1488631-01	BNAMS33	0505_14	23.6	15.1	50.6	44.3	51.5	58.5	0
MS	R3789362-1	BNAMS20	0506A_22	37.2D	26.1D	56.2D	80.5D	92.5D	96.0D	6
MSD	R3789362-2	BNAMS20	0506A_23	36.1D	28.6D	56.4D	88.9D	86.5D	102D	6
BLANK	R3788956-2	BNAMS33	0505_06	24.2	16.6	63.6	55.6	50.0	58.9	0
LCS	R3788956-1	BNAMS33	0505_05	26.3	16.4	53.1	51.6	60.5	54.4	0

Parm Abbreviation	Parameter	QC LIMITS
DMC-1	2-Fluorophenol	10.0 - 120
DMC-2	Phenol-d5	10.0 - 120
DMC-3	Nitrobenzene-d5	10.0 - 127
DMC-4	2-Fluorobiphenyl	10.0 - 130
DMC-5	2,4,6-Tribromophenol	10.0 - 155
DMC-6	p-Terphenyl-d14	10.0 - 128

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

L1488631-01

SAMPLE NO.:
R3789362-1
R3789362-2

MS Sample / File ID: R3789362-1 / 0506A_22
MSD Sample / File ID: R3789362-2 / 0506A_23
OS Sample / File ID: L1488145-02 / 0506A_21
Instrument ID: BNAMS20
Analytical Method: 8270E

SDG: L1488631
Analytical Batch: WG1858057
Matrix: GW

Analyte	Spike Amount	OS Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	RPD	RPD Limit
	ug/l	*ug/l*	*ug/l*	*ug/l*	*%*	*%*		*%*	*%*	*%*
Acenaphthene	50.0	U	45.6	47.3	91.2	94.6	50	28.0 - 120	3.66	25
Acenaphthylene	50.0	U	48.1	49.2	96.2	98.4	50	31.0 - 121	2.26	25
Anthracene	50.0	U	46.7	47.9	93.4	95.8	50	36.0 - 120	2.54	23
Benzoic Acid	100	90.8	146	140	55.2	49.2	50	10.0 - 120	4.20	40
Benzo(a)anthracene	50.0	U	44.8	46.9	89.6	93.8	50	39.0 - 120	4.58	23
Benzo(b)fluoranthene	50.0	U	43.1	45.0	86.2	90.0	50	37.0 - 120	4.31	23
Benzo(k)fluoranthene	50.0	U	45.4	47.9	90.8	95.8	50	37.0 - 120	5.36	26
Benzo(g,h,i)perylene	50.0	U	40.1	40.5	80.2	81.0	50	37.0 - 123	0.993	25
Benzo(a)pyrene	50.0	U	46.6	49.4	93.2	98.8	50	37.0 - 120	5.83	24
Carbazole	50.0	U	45.2	46.8	90.4	93.6	50	38.0 - 127	3.48	21
Chrysene	50.0	U	43.1	44.7	86.2	89.4	50	38.0 - 120	3.64	23
Dibenz(a,h)anthracene	50.0	U	31.4	35.0	62.8	70.0	50	36.0 - 121	10.8	24
Dibenzofuran	50.0	U	47.4	48.9	94.8	97.8	50	32.0 - 120	3.12	26
Fluorene	50.0	U	44.3	47.2	88.6	94.4	50	37.0 - 120	6.34	24
Fluoranthene	50.0	U	48.6	49.6	97.2	99.2	50	41.0 - 121	2.04	22
Indeno(1,2,3-cd)pyrene	50.0	U	40.7	40.8	81.4	81.6	50	38.0 - 125	0.245	24
1-Methylnaphthalene	50.0	U	45.4	47.2	90.8	94.4	50	11.0 - 120	3.89	27
2-Methylnaphthalene	50.0	U	44.1	44.3	88.2	88.6	50	17.0 - 120	0.452	28
Phenanthrene	50.0	U	47.1	50.3	94.2	101	50	33.0 - 120	6.57	22
Pyrene	50.0	U	51.1	53.8	102	108	50	39.0 - 120	5.15	22
Naphthalene	50.0	U	44.4	46.0	88.8	92.0	50	10.0 - 120	3.54	31
Bis(2-ethylhexyl)phthalate	50.0	U	U	U	0.000*	0.000*	50	33.0 - 126	0.000	25
Di-n-butyl phthalate	50.0	U	48.9	51.6	97.8	103	50	35.0 - 128	5.37	23
Di-n-octyl phthalate	50.0	U	75.6	76.8	151*	154*	50	25.0 - 135	1.57	26
3&4-Methyl Phenol	50.0	165	205	199	80.0	68.0	50	10.0 - 120	2.97	36
Pentachlorophenol	50.0	U	53.9	55.8	108	112	50	10.0 - 128	3.46	37
Phenol	50.0	1870	2010	1940	280*	140*	50	10.0 - 120	3.54	40

*: Value outside the established quality control limits.
D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE RECOVERY
L1488631-01

SAMPLE NO.:
R3788956-1

LCS Sample / File ID:	R3788956-1 / 0505_05	**SDG:**	L1488631
LCSD Sample / File ID:	_____	**Analytical Batch:**	WG1858057
Instrument ID:	BNAMS33	**Dilution Factor:**	1
Analytical Method:	8270E	**Matrix:**	GW

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	RPD	RPD Limit
	ug/l	*ug/l*		*%*	*%*	*%*	*%*	*%*
Acenaphthene	50.0	29.0		58.0		41.0 - 120		
Acenaphthylene	50.0	31.1		62.2		43.0 - 120		
Anthracene	50.0	30.3		60.6		45.0 - 120		
Benzoic Acid	100	10.8		10.8		10.0 - 120		
Benzo(a)anthracene	50.0	33.2		66.4		47.0 - 120		
Benzo(b)fluoranthene	50.0	33.0		66.0		46.0 - 120		
Benzo(k)fluoranthene	50.0	34.2		68.4		46.0 - 120		
Benzo(g,h,i)perylene	50.0	32.8		65.6		48.0 - 121		
Benzo(a)pyrene	50.0	33.7		67.4		47.0 - 120		
Carbazole	50.0	31.4		62.8		51.0 - 122		
Chrysene	50.0	32.9		65.8		48.0 - 120		
Dibenz(a,h)anthracene	50.0	32.4		64.8		47.0 - 120		
Dibenzofuran	50.0	30.7		61.4		44.0 - 120		
Fluorene	50.0	30.9		61.8		47.0 - 120		
Fluoranthene	50.0	32.8		65.6		51.0 - 120		
Indeno(1,2,3-cd)pyrene	50.0	31.1		62.2		49.0 - 122		
1-Methylnaphthalene	50.0	26.4		52.8		33.0 - 120		
2-Methylnaphthalene	50.0	25.6		51.2		33.0 - 120		
Phenanthrene	50.0	30.0		60.0		46.0 - 120		
Pyrene	50.0	30.8		61.6		47.0 - 120		
Naphthalene	50.0	25.1		50.2		27.0 - 120		
Bis(2-ethylhexyl)phthalate	50.0	29.2		58.4		43.0 - 122		
Di-n-butyl phthalate	50.0	30.5		61.0		49.0 - 121		
Di-n-octyl phthalate	50.0	29.4		58.8		42.0 - 125		
3&4-Methyl Phenol	50.0	22.8		45.6		31.0 - 120		
Pentachlorophenol	50.0	35.2		70.4		23.0 - 120		
Phenol	50.0	9.32		18.6		10.0 - 120		

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Lab Sample ID:	R3788956-2	**SDG:**	L1488631
Lab File ID:	0505_06	**Preparation Date/Time:**	05/05/22 04:51
Instrument ID:	BNAMS33	**Analysis Date/Time:**	05/05/22 12:22
Analytical Batch:	WG1858057	**Dilution Factor:**	1
Analytical Method:	8270E	**Matrix:**	GW

Sample ID	Lab Sample ID	Instrument	File ID	Analysis *date/time*
LCS	R3788956-1	BNAMS33	0505_05	05/05/22 12:01
EB01-042822-01	L1488631-01	BNAMS33	0505_14	05/05/22 15:31
OS	L1488145-02	BNAMS20	0506A_21	05/06/22 21:45
MS	R3789362-1	BNAMS20	0506A_22	05/06/22 22:07
MSD	R3789362-2	BNAMS20	0506A_23	05/06/22 22:29

Sample Narrative:

Dilution due to matrix impact.

5A-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID:	0211_05-1	**SDG:**	L1488631
Instrument ID:	BNAMS20	**Analytical Method:**	8270E
Analysis Date/Time:	02/11/22 10:56		

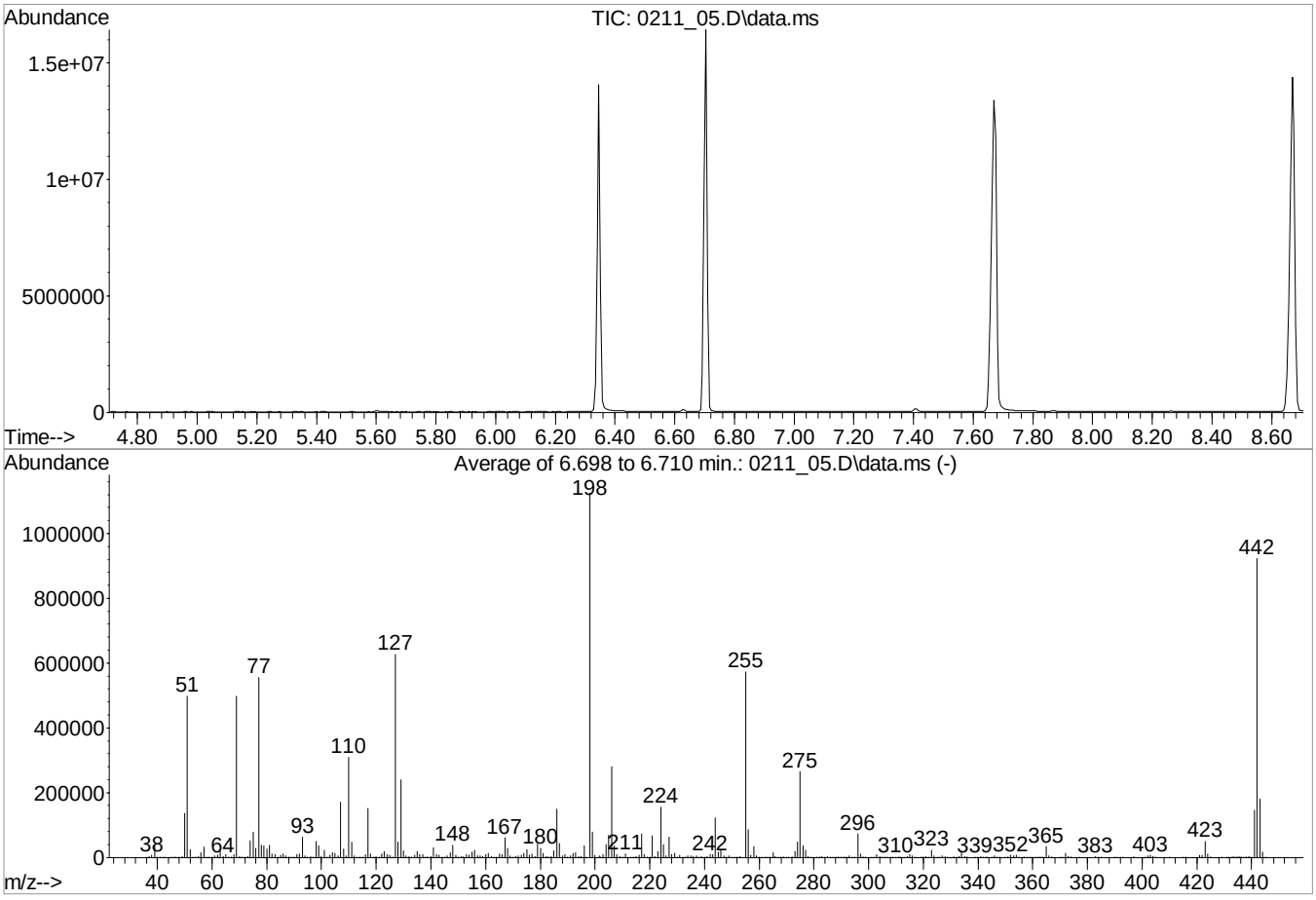
Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
51	198	10	80	44
68	69	0	2	2
69	69	100	100	100
70	69	0	2	0
127	198	10	80	56
197	198	0	2	0
198	198	50	100	100
199	198	5	9	7
275	198	10	60	24
365	198	1	100	3
441	442	0.0001	24	16
442	198	50	100	82
443	442	15	24	20

Sample ID	Lab Sample ID	File ID	Analysis date/time
STD-200	200	0211_07	02/11/22 11:40
STD-1000	1000	0211_08	02/11/22 12:02
STD-2000	2000	0211_09	02/11/22 12:23
STD-5000	5000	0211_10	02/11/22 12:45
STD-10000	10000	0211_11	02/11/22 13:07
STD-20000	20000	0211_12	02/11/22 13:29
STD-30000	30000	0211_13	02/11/22 13:51
STD-40000	40000	0211_14	02/11/22 14:13
STD-50000	50000	0211_15	02/11/22 14:35
STD-1K1	1K1	0211_16	02/11/22 14:57
STD-2K1	2K1	0211_17	02/11/22 15:19
STD-5K1	5K1	0211_18	02/11/22 15:41
STD-10K1	10K1	0211_19	02/11/22 16:03
STD-20K1	20K1	0211_20	02/11/22 16:25
STD-30K1	30K1	0211_21	02/11/22 16:46
STD-40K1	40K1	0211_22	02/11/22 17:08
STD-50K1	50K1	0211_23	02/11/22 17:30
STD-40	40	0211_24	02/11/22 17:52
SSCV	BNAMS200211220211_25-1577303	0211_25-1	02/11/22 18:14
SSCV	BNAMS200211220211_26-1577303	0211_26-1	02/11/22 18:36

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 05.D
Acq On : 11 Feb 2022 10:56 am
Operator : 917
Sample : TUNE DFTPP 50 PPM 22A19874 exp 7/19/22
Misc : DFTPP TUNE
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\TUNED.M
Title : 8270 BNA
Last Update : Fri Feb 11 13:11:50 2022



Spectrum Information: Average of 6.698 to 6.710 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	44.2	497331	PASS
68	69	0.00	2	1.6	7982	PASS
69	69	100	100	100.0	496870	PASS
70	69	0.00	2	0.5	2623	PASS
127	198	10	80	55.7	627285	PASS
197	198	0.00	2	0.1	1098	PASS
198	198	50	100	100.0	1125632	PASS
199	198	5	9	6.9	77251	PASS
275	198	10	60	23.5	264555	PASS
365	198	1	100	2.9	33016	PASS
441	442	0.01	24	15.7	144581	PASS
442	198	50	100	82.0	922987	PASS
443	442	15	24	19.6	180957	PASS

5A-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID:	0506A_02T	**SDG:**	L1488631
Instrument ID:	BNAMS20	**Analytical Method:**	8270E
Analysis Date/Time:	05/06/22 14:35		

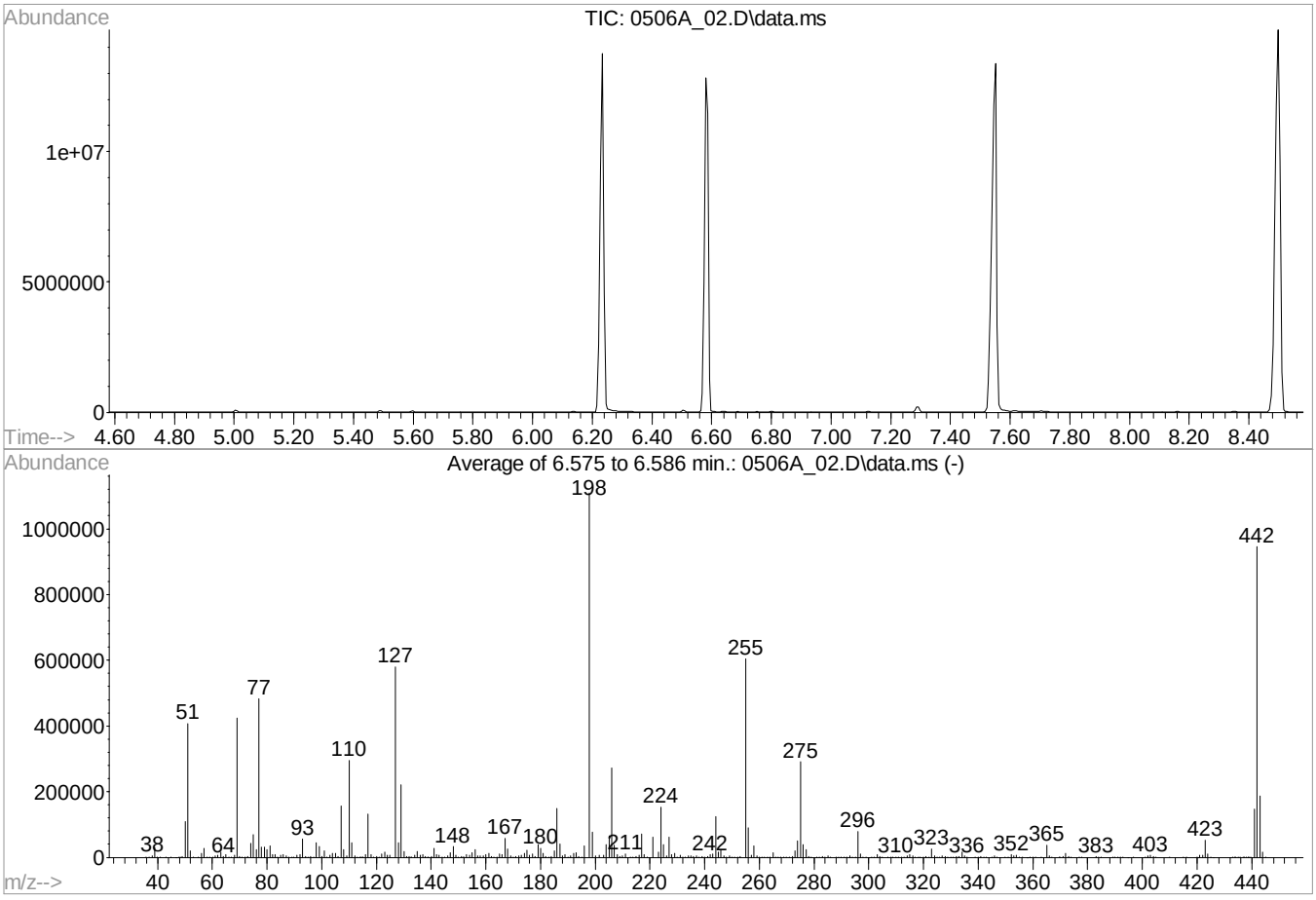
Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
51	198	10	80	37
68	69	0	2	2
69	69	100	100	100
70	69	0	2	1
127	198	10	80	52
197	198	0	2	0
198	198	50	100	100
199	198	5	9	7
275	198	10	60	26
365	198	1	100	3
441	442	0.0001	24	16
442	198	50	100	85
443	442	15	24	20

Sample ID	Lab Sample ID	File ID	Analysis date/time
ICV	BNAMS20050622A0506A_04-1577303	0506A_04-1	05/06/22 15:23
ICV	BNAMS20050622A0506A_05-1577303	0506A_05-1	05/06/22 15:45
OS	L1488145-02	0506A_21	05/06/22 21:45
MS	R3789362-1	0506A_22	05/06/22 22:07
MSD	R3789362-2	0506A_23	05/06/22 22:29

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 02.D
Acq On : 6 May 2022 2:35 pm
Operator : 917
Sample : TUNE DFTPP 50 PPM 22C25374 exp 8/11/22
Misc : DFTPP TUNE
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\TUNED.M
Title : 8270 BNA
Last Update : Fri Feb 11 13:11:50 2022



Spectrum Information: Average of 6.575 to 6.586 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.6	406485	PASS
68	69	0.00	2	1.7	7382	PASS
69	69	100	100	100.0	424171	PASS
70	69	0.00	2	0.6	2343	PASS
127	198	10	80	52.3	580053	PASS
197	198	0.00	2	0.0	0	PASS
198	198	50	100	100.0	1109653	PASS
199	198	5	9	7.0	77291	PASS
275	198	10	60	26.2	291051	PASS
365	198	1	100	3.4	37910	PASS
441	442	0.01	24	15.6	147733	PASS
442	198	50	100	85.3	946752	PASS
443	442	15	24	19.8	187443	PASS

5A-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID: 0318_005-1
Instrument ID: BNAMS33
Analysis Date/Time: 03/18/22 16:22

SDG: L1488631
Analytical Method: 8270E

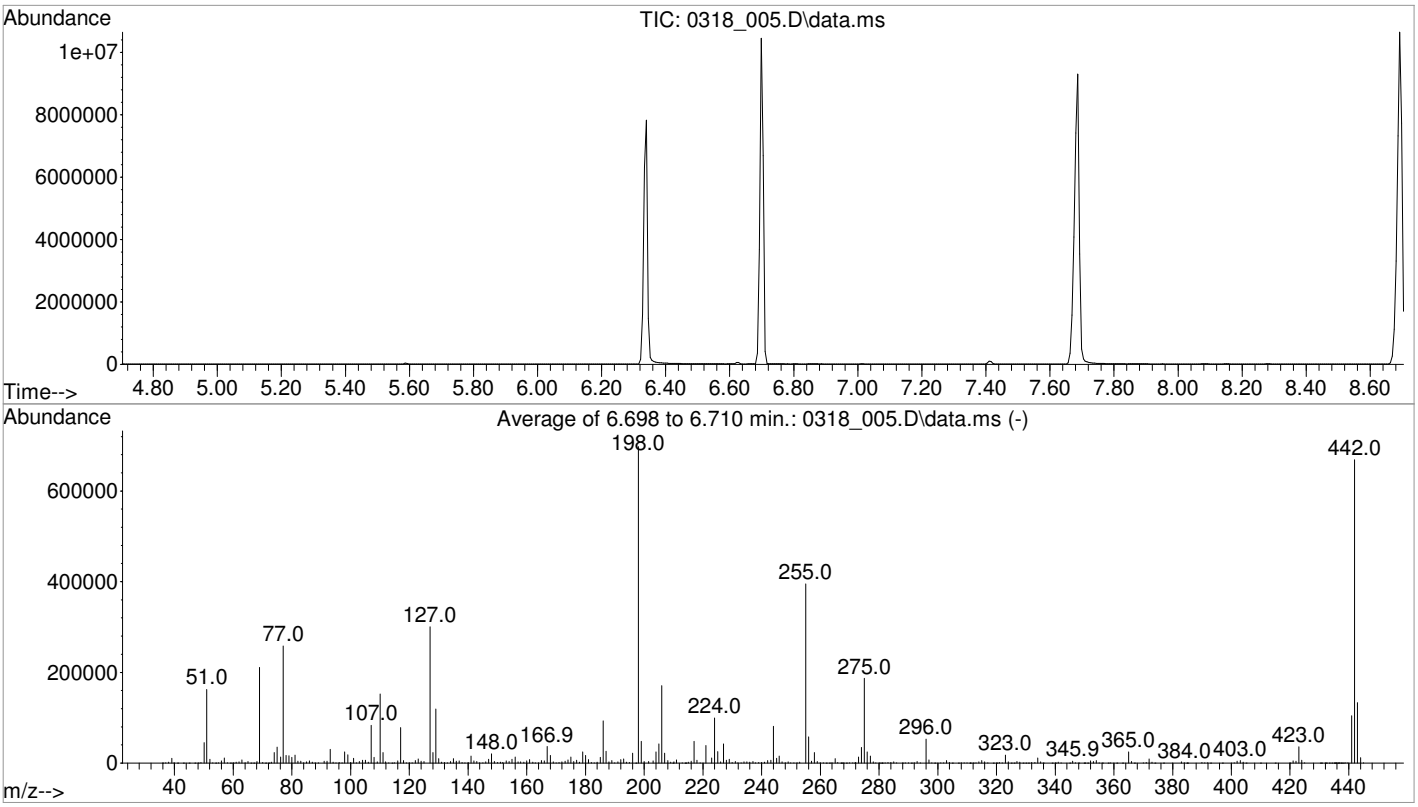
Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
51	198	10	80	23
68	69	0	2	2
69	69	100	100	100
70	69	0	2	1
127	198	10	80	43
197	198	0	2	0
198	198	50	100	100
199	198	5	9	7
275	198	10	60	27
365	198	1	100	4
441	442	0.0001	24	16
442	198	50	100	96
443	442	15	24	20

Sample ID	Lab Sample ID	File ID	Analysis date/time
STD-40	40	0318_006	03/18/22 16:44
STD-200	200	0318_007	03/18/22 17:05
STD-1000	1000	0318_008	03/18/22 17:27
STD-2000	2000	0318_009	03/18/22 17:48
STD-5000	5000	0318_010	03/18/22 18:09
STD-10000	10000	0318_011	03/18/22 18:31
STD-20000	20000	0318_012	03/18/22 18:52
STD-30000	30000	0318_013	03/18/22 19:13
STD-40000	40000	0318_014	03/18/22 19:35
STD-50000	50000	0318_015	03/18/22 19:56
STD-1K1	1K1	0318_016	03/18/22 20:17
STD-2K1	2K1	0318_017	03/18/22 20:39
STD-5K1	5K1	0318_018	03/18/22 21:00
STD-10K1	10K1	0318_019	03/18/22 21:22
STD-20K1	20K1	0318_020	03/18/22 21:43
STD-30K1	30K1	0318_021	03/18/22 22:04
STD-40K1	40K1	0318_022	03/18/22 22:26
STD-50K1	50K1	0318_023	03/18/22 22:47
SSCV	BNAMS330318220318_024-1573465	0318_024-1	03/18/22 23:08
SSCV	BNAMS330318220318_029-1573465	0318_029-1	03/23/22 11:21

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_005.D
Acq On : 18 Mar 2022 04:22 pm
Operator : 917
Sample : TUNE SVMS 50 ppm 22C15958 exp 08/11/22
Misc : DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e

Method : C:\GCMS\1\methods\TUNED.M
Title :
Last Update : Wed Mar 16 10:48:52 2022



Spectrum Information: Average of 6.698 to 6.710 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	23.3	162561	PASS
68	69	0.00	2	1.8	3841	PASS
69	69	100	100	100.0	210992	PASS
70	69	0.00	2	0.7	1441	PASS
127	198	10	80	43.1	300589	PASS
197	198	0.00	2	0.0	191	PASS
198	198	50	100	100.0	697531	PASS
199	198	5	9	6.8	47748	PASS
275	198	10	60	26.8	186660	PASS
365	198	1	100	3.5	24572	PASS
441	442	0.01	24	15.6	104667	PASS
442	198	50	100	95.9	668928	PASS
443	442	15	24	19.9	133304	PASS

5A-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID: 0505_02T
Instrument ID: BNAMS33
Analysis Date/Time: 05/05/22 09:55
SDG: L1488631
Analytical Method: 8270E

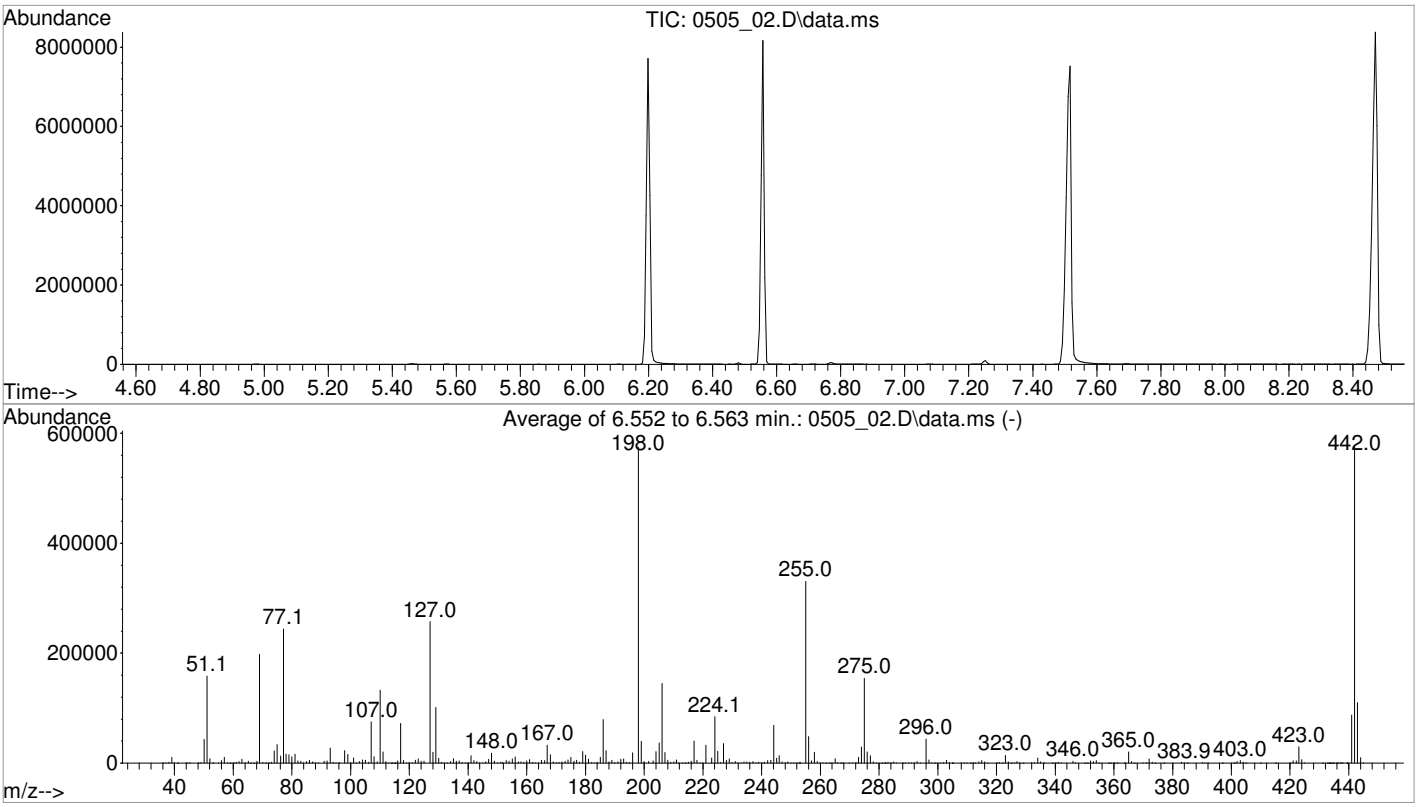
Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
51	442	10	80	28
68	69	0	2	2
69	69	100	100	100
70	69	0	2	0
127	442	10	80	45
197	198	0	2	0
198	442	50	100	100
199	198	5	9	7
275	442	10	60	27
365	198	1	100	4
441	442	0.0001	24	15
442	442	50	100	100
443	442	15	24	19

Sample ID	Lab Sample ID	File ID	Analysis date/time
ICV	BNAMS330505220505_03-1573465	0505_03-1	05/05/22 10:17
ICV	BNAMS330505220505_04-1573465	0505_04-1	05/05/22 10:38
LCS	R3788956-1	0505_05	05/05/22 12:01
BLANK	R3788956-2	0505_06	05/05/22 12:22
EB01-042822-01	L1488631-01	0505_14	05/05/22 15:31

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_02.D
Acq On : 05 May 2022 09:55 am
Operator : 917
Sample : TUNE SVMS 50 ppm 22D19602 exp 05/16/22
Misc : DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e

Method : C:\GCMS\1\methods\TUNED.M
Title :
Last Update : Thu Apr 07 10:40:50 2022



Spectrum Information: Average of 6.552 to 6.563 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	442	10	80	27.5	158285	PASS
68	69	0.00	2	1.8	3496	PASS
69	69	100	100	100.0	198229	PASS
70	69	0.00	2	0.5	1013	PASS
127	442	10	80	44.7	257189	PASS
197	198	0.00	2	0.0	0	PASS
198	442	50	100	99.9	574763	PASS
199	198	5	9	6.9	39481	PASS
275	442	10	60	26.9	154563	PASS
365	198	1	100	3.6	20505	PASS
441	442	0.01	24	15.1	87176	PASS
442	442	50	100	100.0	575509	PASS
443	442	15	24	19.1	109984	PASS

8A-OR

INTERNAL STANDARD AND RETENTION TIME

SDG:	L1488631	**Analytical Method:**	8270E
Instrument ID:	BNAMS20	**Calibration Start Date:**	02/11/22 11:40
Std File:	0506A_04-1	**Calibration End Date:**	02/11/22 17:52
		Std Analysis Date:	05/06/22 15:23

Sample ID	File ID	1,4-DCB		ACE		CHR		NAP	
		Response	*RT*	*Response*	*RT*	*Response*	*RT*	*Response*	*RT*
STANDARD		299875	3.34	680766	5.25	1001766	9.13	1228612	4.08
UPPER LIMIT		599750		1361532		2003532		2457224	
LOWER LIMIT		149938		340383		500883		614306	
OS L1488145-02 WG1858057 50x	0506A_21	394533	3.34	948053	5.24	1373935	9.12	1627731	4.08
MS R3789362-1 WG1858057 50x	0506A_22	380735	3.34	904271	5.24	1278638	9.12	1569673	4.08
MSD R3789362-2 WG1858057 50x	0506A_23	378602	3.34	896096	5.24	1275555	9.12	1573220	4.08

1,4-DCB - 1,4-DICHLOROBENZENE-D4 ACE - ACENAPHTHENE-D10
CHR - CHRYSENE-D12 NAP - NAPHTHALENE-D8
PER - PERYLENE-D12 PHEN - PHENANTHRENE-D10

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

INTERNAL STANDARD AND RETENTION TIME

SDG:	L1488631	**Analytical Method:**	8270E
Instrument ID:	BNAMS20	**Calibration Start Date:**	02/11/22 11:40
Std File:	0506A_04-1	**Calibration End Date:**	02/11/22 17:52
		Std Analysis Date:	05/06/22 15:23

Sample ID	File ID	PER		PHEN	
		Response	*RT*	*Response*	*RT*
STANDARD		937358	11.78	1220254	6.36
UPPER LIMIT		1874716		2440508	
LOWER LIMIT		468679		610127	
OS L1488145-02 WG1858057 50x	0506A_21	1224366	11.77	1742541	6.36
MS R3789362-1 WG1858057 50x	0506A_22	1131728	11.77	1635077	6.36
MSD R3789362-2 WG1858057 50x	0506A_23	1133368	11.77	1623422	6.36

1,4-DCB - 1,4-DICHLOROBENZENE-D4 ACE - ACENAPHTHENE-D10
CHR - CHRYSENE-D12 NAP - NAPHTHALENE-D8
PER - PERYLENE-D12 PHEN - PHENANTHRENE-D10

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

8A-OR

INTERNAL STANDARD AND RETENTION TIME

SDG:	L1488631	**Analytical Method:**	8270E
Instrument ID:	BNAMS33	**Calibration Start Date:**	03/18/22 16:44
Std File:	0505_03-1	**Calibration End Date:**	03/18/22 22:47
		Std Analysis Date:	05/05/22 10:17

Sample ID	File ID	1,4-DCB		ACE		CHR		NAP	
		Response	*RT*	*Response*	*RT*	*Response*	*RT*	*Response*	*RT*
STANDARD		143708	3.30	336393	5.22	655198	9.14	551677	4.05
UPPER LIMIT		287416		672786		1310396		1103354	
LOWER LIMIT		71854		168197		327599		275839	
LCS R3788956-1 WG1858057 1x	0505_05	147461	3.30	357847	5.23	695830	9.16	632346	4.05
BLANK R3788956-2 WG1858057 1x	0505_06	135364	3.30	317368	5.22	626723	9.14	517699	4.05
L1488631-01 WG1858057 1x	0505_14	154002	3.30	375047	5.22	652896	9.15	602701	4.05

1,4-DCB - 1,4-DICHLOROBENZENE-D4 ACE - ACENAPHTHENE-D10
CHR - CHRYSENE-D12 NAP - NAPHTHALENE-D8
PER - PERYLENE-D12 PHEN - PHENANTHRENE-D10

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

INTERNAL STANDARD AND RETENTION TIME

SDG:	L1488631	**Analytical Method:**	8270E
Instrument ID:	BNAMS33	**Calibration Start Date:**	03/18/22 16:44
Std File:	0505_03-1	**Calibration End Date:**	03/18/22 22:47
		Std Analysis Date:	05/05/22 10:17

Sample ID	File ID	PER		PHEN	
		Response	*RT*	*Response*	*RT*
STANDARD		610792	11.82	672546	6.35
UPPER LIMIT		1221584		1345092	
LOWER LIMIT		305396		336273	
LCS R3788956-1 WG1858057 1x	0505_05	671925	11.84	719924	6.36
BLANK R3788956-2 WG1858057 1x	0505_06	620965	11.82	653281	6.35
L1488631-01 WG1858057 1x	0505_14	591653	11.83	752410	6.35

1,4-DCB - 1,4-DICHLOROBENZENE-D4 ACE - ACENAPHTHENE-D10
CHR - CHRYSENE-D12 NAP - NAPHTHALENE-D8
PER - PERYLENE-D12 PHEN - PHENANTHRENE-D10

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
EB01-042822-01

Lab Sample ID:	L1488631-01	**SDG:**	L1488631
Client Sample ID:	EB01-042822-01	**Collected Date/Time:**	04/28/22 10:50
Lab File ID:	0505_14	**Received Date/Time:**	05/03/22 09:30
Instrument ID:	BNAMS33	**Preparation Date/Time:**	05/05/22 04:53
Analytical Batch:	WG1858057	**Analysis Date/Time:**	05/05/22 15:31
Dilution Factor:	1	**Prep Method:**	3510C
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	100 mL
Total Solids (%):	_____	**Final Wt/Vol:**	0.5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acenaphthene	83-32-9	5.25	U		0.0886	1.00
Acenaphthylene	208-96-8	5.13	U		0.0921	1.00
Anthracene	120-12-7	6.41	U		0.0804	1.00
Benzoic Acid	65-85-0	3.88	U		1.70	50.0
Benzo(a)anthracene	56-55-3	0	U		0.199	1.00
Benzo(b)fluoranthene	205-99-2	11.05	U		0.130	1.00
Benzo(k)fluoranthene	207-08-9	11.10	U		0.120	1.00
Benzo(g,h,i)perylene	191-24-2	14.15	U		0.121	1.00
Benzo(a)pyrene	50-32-8	0	U		0.0381	1.00
Carbazole	86-74-8	0	U		0.111	10.0
Chrysene	218-01-9	9.18	U		0.130	1.00
Dibenz(a,h)anthracene	53-70-3	13.86	U		0.0644	1.00
Dibenzofuran	132-64-9	5.38	U		0.0970	10.0
Fluorene	86-73-7	5.63	U		0.0844	1.00
Fluoranthene	206-44-0	7.38	U		0.102	1.00
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.279	1.00
1-Methylnaphthalene	90-12-0	4.57	U		0.0790	1.00
2-Methylnaphthalene	91-57-6	4.50	U		0.117	1.00
Phenanthrene	85-01-8	6.37	U		0.112	1.00
Pyrene	129-00-0	7.60	U		0.107	1.00
Naphthalene	91-20-3	4.06	U		0.159	1.00
Bis(2-ethylhexyl)phthalate	117-81-7	9.22	U		0.895	3.00
Di-n-butyl phthalate	84-74-2	6.80	U		0.453	3.00
Di-n-octyl phthalate	117-84-0	10.43	U		0.932	3.00
3&4-Methyl Phenol	3&4-Methyl Phenol	3.52	U		0.168	10.0
Pentachlorophenol	87-86-5	0	U		0.313	10.0
Phenol	108-95-2	3.10	U		4.33	10.0

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_14.D
Acq On : 05 May 2022 03:31 pm
Operator : 917
Sample : L1488631-01 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 60 Sample Multiplier: 1

Quant Time: May 06 12:58:40 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration

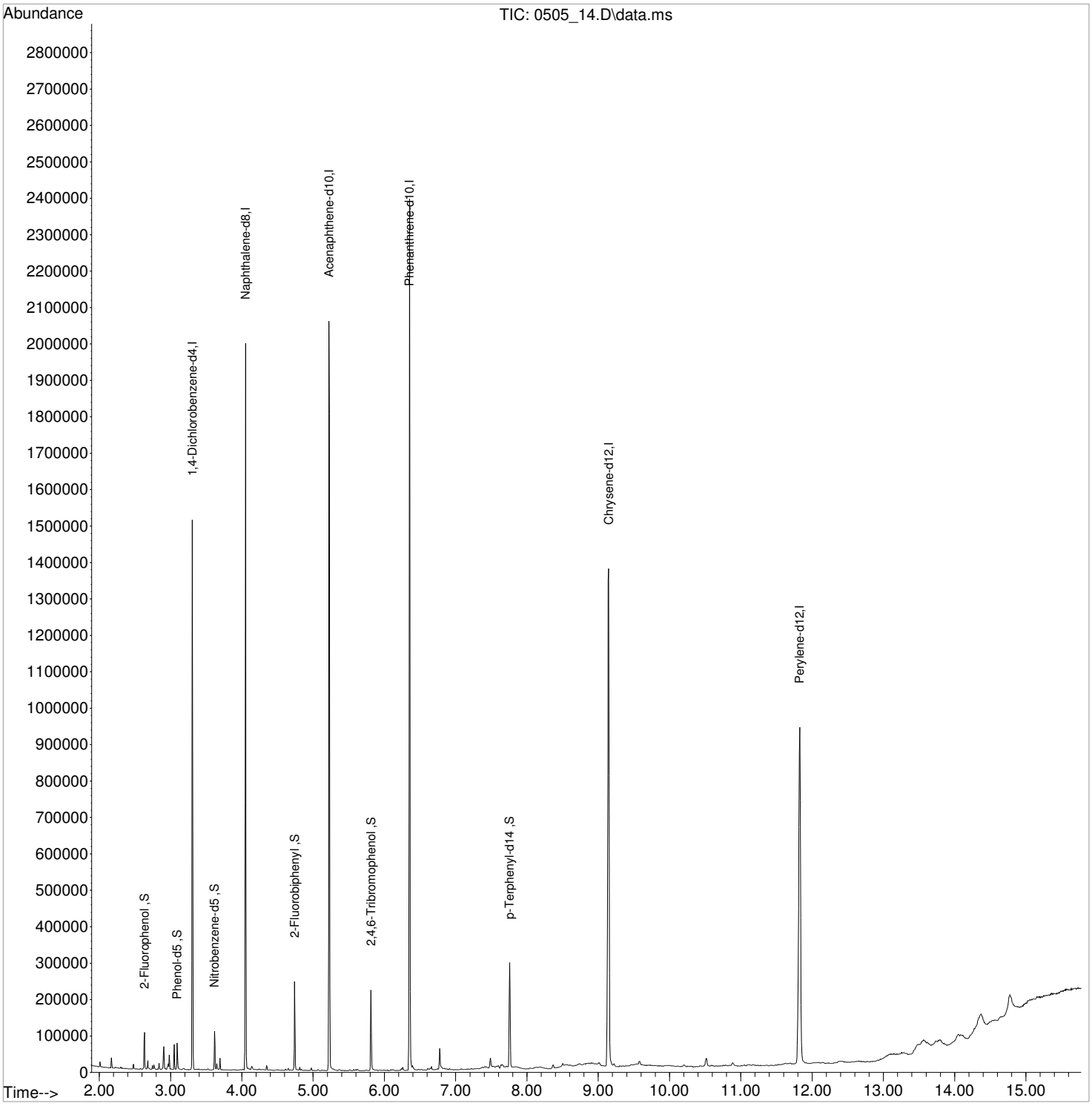
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.305	152	154002	8000.0000000	ppb	-0.02
23) Naphthalene-d8	4.052	136	602701	8000.0000000	ppb	-0.02
46) Acenaphthene-d10	5.222	164	375047	8000.0000000	ppb	-0.03
70) Phenanthrene-d10	6.352	188	752410	8000.0000000	ppb	-0.04
84) Chrysene-d12	9.146	240	652896	8000.0000000	ppb	-0.05
94) Perylene-d12	11.828	264	591653	8000.0000000	ppb	-0.07
System Monitoring Compounds						
4) 2-Fluorophenol	2.634	112	21788	944.1768313	ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 23.60%			
7) Phenol-d5	3.093	99	17711	603.0735762	ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 15.08%			
24) Nitrobenzene-d5	3.617	82	25187	1010.7634206	ppb	-0.02
Spiked Amount 2000.000	Range 10 - 126		Recovery = 50.54%			
50) 2-Fluorobiphenyl	4.740	172	55652	886.3107783	ppb	-0.03
Spiked Amount 2000.000	Range 22 - 127		Recovery = 44.32%			
73) 2,4,6-Tribromophenol	5.811	330	20049	2052.7935450	ppb	-0.03
Spiked Amount 4000.000	Range 10 - 153		Recovery = 51.32%			
87) p-Terphenyl-d14	7.757	244	99068	1168.9055490	ppb	-0.05
Spiked Amount 2000.000	Range 29 - 141		Recovery = 58.45%			
Target Compounds						Qvalue
90) Benzo(a)anthracene	9.181	228	1083	Below Cal		81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_14.D
Acq On : 05 May 2022 03:31 pm
Operator : 917
Sample : L1488631-01 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 60 Sample Multiplier: 1

Quant Time: May 06 12:58:40 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration



6A-OR

GC/MS INITIAL CALIBRATION DATA

SDG: L1488631 **Analytical Method:** 8270E

Instrument ID: BNAMS20

Analyte	**RRF: 40**	**RRF: 200**	**RRF: 1000**	**RRF: 2000**	**RRF: 5000**	**RRF: 10000**	**RRF: 20000**	**RRF: 30000**	**RRF: 40000**	**RRF: 50000**
Analysis date/time	02/11/22 17:52	02/11/22 11:40	02/11/22 12:02	02/11/22 12:23	02/11/22 12:45	02/11/22 13:07	02/11/22 13:29	02/11/22 13:51	02/11/22 14:13	02/11/22 14:35
NAPHTHALENE	1.1010	1.0340	0.9830	0.9610	0.9510	0.9570	0.8930	0.8440	0.7890	0.7370
2-METHYLNAPHTHALENE	0.6050	0.64	0.6260	0.6220	0.6070	0.6170	0.6140	0.6020	0.5730	0.5480
1-METHYLNAPHTHALENE	0.5550	0.6010	0.6030	0.5960	0.5820	0.5960	0.5840	0.5730	0.5550	0.5370
ACENAPHTHYLENE	1.5070	1.6260	1.68	1.6730	1.6090	1.6620	1.6070	1.5480	1.4660	1.3820
ACENAPHTHENE	1.0560	1.1860	1.1660	1.12	1.0870	1.1130	1.1040	1.09	1.0580	1.0210
DIBENZOFURAN	1.52	1.6220	1.5690	1.53	1.4580	1.4990	1.4420	1.3930	1.3350	1.2720
FLUORENE	1.1480	1.3240	1.3130	1.2780	1.2480	1.2930	1.2650	1.2480	1.1950	1.1550
PENTACHLOROPHENOL	0.0550	0.0670	0.08	0.0880	0.0940	0.1080	0.1160	0.1240	0.13	0.1310
PHENANTHRENE	1.2230	1.1440	1.0640	1.0540	1.0050	1.0350	1.0010	0.9630	0.9140	0.8590
ANTHRACENE	0.9540	1.0650	1.0210	1.0440	1.0210	1.0620	1.0140	0.9810	0.9310	0.8680
FLUORANTHENE	1.0250	1.0480	0.9960	1.0190	0.9920	1.0320	1.02	0.9950	0.9530	0.9160
PYRENE	1.28	1.3380	1.2370	1.2470	1.2190	1.2680	1.2370	1.2230	1.1670	1.1440
BENZO(A)ANTHRACENE	1.7830	1.2190	1.0790	1.1210	1.0980	1.1360	1.1330	1.13	1.11	1.1030
CHRYSENE	1.4260	1.4190	1.17	1.1340	1.0870	1.1180	1.0960	1.0890	1.0720	1.0610
BENZO(B)FLUORANTHENE	1.0770	1.1210	1.0110	1.0460	1.0510	1.1050	1.1090	1.1320	1.1390	1.1430
BENZO(K)FLUORANTHENE	0.8410	1.1240	1.0830	1.0460	1.0780	1.1140	1.1230	1.1560	1.1380	1.1310
BENZO(A)PYRENE	0.7410	0.8360	0.8170	0.8620	0.8940	0.9480	0.9650	0.9920	0.9910	0.9910
INDENO(1,2,3-CD)PYRENE	1.10	0.8570	0.8140	0.8460	0.8680	0.9280	0.9210	0.9440	0.9480	0.97
DIBENZ(A,H)ANTHRACENE	2.0550	0.9750	0.9150	0.9450	0.9640	1.0010	0.9980	1.0180	1.0270	1.0370
BENZO(G,H,I)PERYLENE	0.8990	1.0620	0.9590	0.9660	0.9750	1.0050	1.0030	1.01	0.9980	0.9970
PHENOL		1.50	1.5470	1.5140	1.5160	1.5590	1.5280	1.5060	1.4930	1.4990
3&4-METHYL PHENOL		1.3180	1.2920	1.2720	1.2880	1.3150	1.3290	1.3230	1.3110	1.3250
CARBAZOLE		1.0110	0.9730	0.9830	0.9760	1	0.9610	0.9410	0.9050	0.8450
DI-N-BUTYL PHTHALATE		1.0620	1.0890	1.1430	1.1530	1.2240	1.1680	1.1160	1.03	0.9250
BIS(2-ETHYLHEXYL)PHTHALATE		0.6370	0.6420	0.7010	0.7550	0.8440	0.90	0.9240	0.9120	0.9190
DI-N-OCTYL PHTHALATE		0.9610	0.9270	1.0140	1.1420	1.3270	1.4260	1.4560	1.4310	1.42
2-FLUOROPHENOL		1.18	1.1370	1.1390	1.1460	1.1560	1.14	1.1230	1.1180	1.1230
PHENOL-D5		1.4940	1.4270	1.4350	1.4330	1.4540	1.4680	1.45	1.4530	1.4570
NITROBENZENE-D5		0.36	0.3450	0.3450	0.3510	0.3630	0.3150	0.3230	0.3230	0.3210
2-FLUOROBIPHENYL		1.2810	1.2170	1.1930	1.1420	1.1910	1.1570	1.1510	1.1090	1.0650
P-TERPHENYL-D14		1.0460	0.9350	0.9390	0.9140	0.9450	0.9420	0.9530	0.9210	0.9110
2,4,6-TRIBROMOPHENOL			0.0640	0.0680	0.0730	0.08	0.0850	0.0910	0.0950	0.0970
BENZOIC ACID										
File ID:	0211_24	0211_07	0211_08	0211_09	0211_10	0211_11	0211_12	0211_13	0211_14	0211_15

GC/MS INITIAL CALIBRATION DATA

SDG: L1488631 **Analytical Method:** 8270E

Instrument ID: BNAMS20

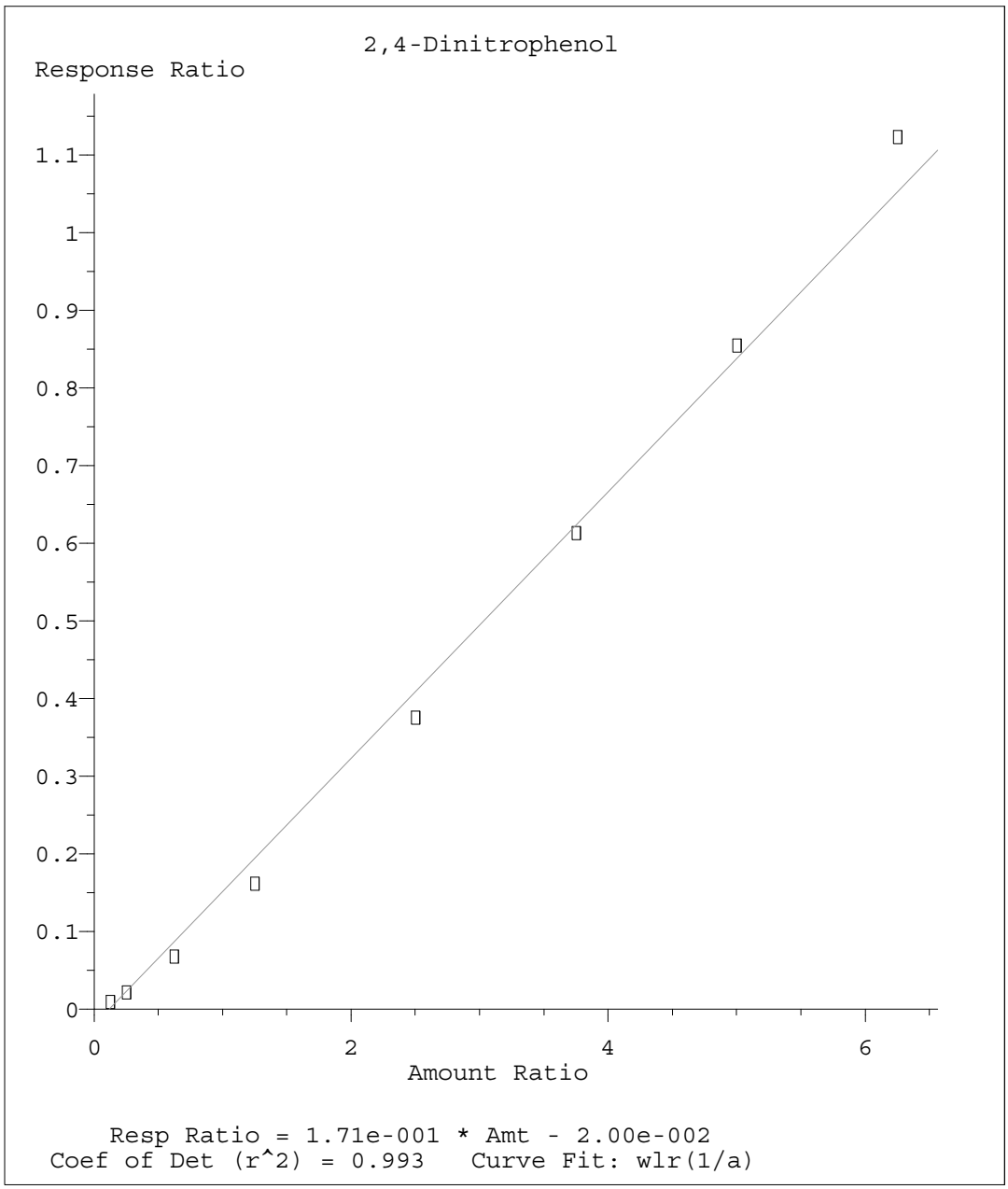
Analyte	**RRF: 1K1**	**RRF: 2K1**	**RRF: 5K1**	**RRF: 10K1**	**RRF: 20K1**	**RRF: 30K1**	**RRF: 40K1**	**RRF: 50K1**
Analysis date/time	02/11/22 14:57	02/11/22 15:19	02/11/22 15:41	02/11/22 16:03	02/11/22 16:25	02/11/22 16:46	02/11/22 17:08	02/11/22 17:30
NAPHTHALENE								
2-METHYLNAPHTHALENE								
1-METHYLNAPHTHALENE								
ACENAPHTHYLENE								
ACENAPHTHENE								
DIBENZOFURAN								
FLUORENE								
PENTACHLOROPHENOL								
PHENANTHRENE								
ANTHRACENE								
FLUORANTHENE								
PYRENE								
BENZO(A)ANTHRACENE								
CHRYSENE								
BENZO(B)FLUORANTHENE								
BENZO(K)FLUORANTHENE								
BENZO(A)PYRENE								
INDENO(1,2,3-CD)PYRENE								
DIBENZ(A,H)ANTHRACENE								
BENZO(G,H,I)PERYLENE								
PHENOL								
3&4-METHYL PHENOL								
CARBAZOLE								
DI-N-BUTYL PHTHALATE								
BIS(2-ETHYLHEXYL)PHTHALATE								
DI-N-OCTYL PHTHALATE								
2-FLUOROPHENOL								
PHENOL-D5								
NITROBENZENE-D5								
2-FLUOROBIPHENYL								
P-TERPHENYL-D14								
2,4,6-TRIBROMOPHENOL								
BENZOIC ACID	0.13	0.1470	0.1610	0.1570	0.1730	0.1640	0.1570	0.1490
File ID:	0211_16	0211_17	0211_18	0211_19	0211_20	0211_21	0211_22	0211_23

GC/MS INITIAL CALIBRATION DATA

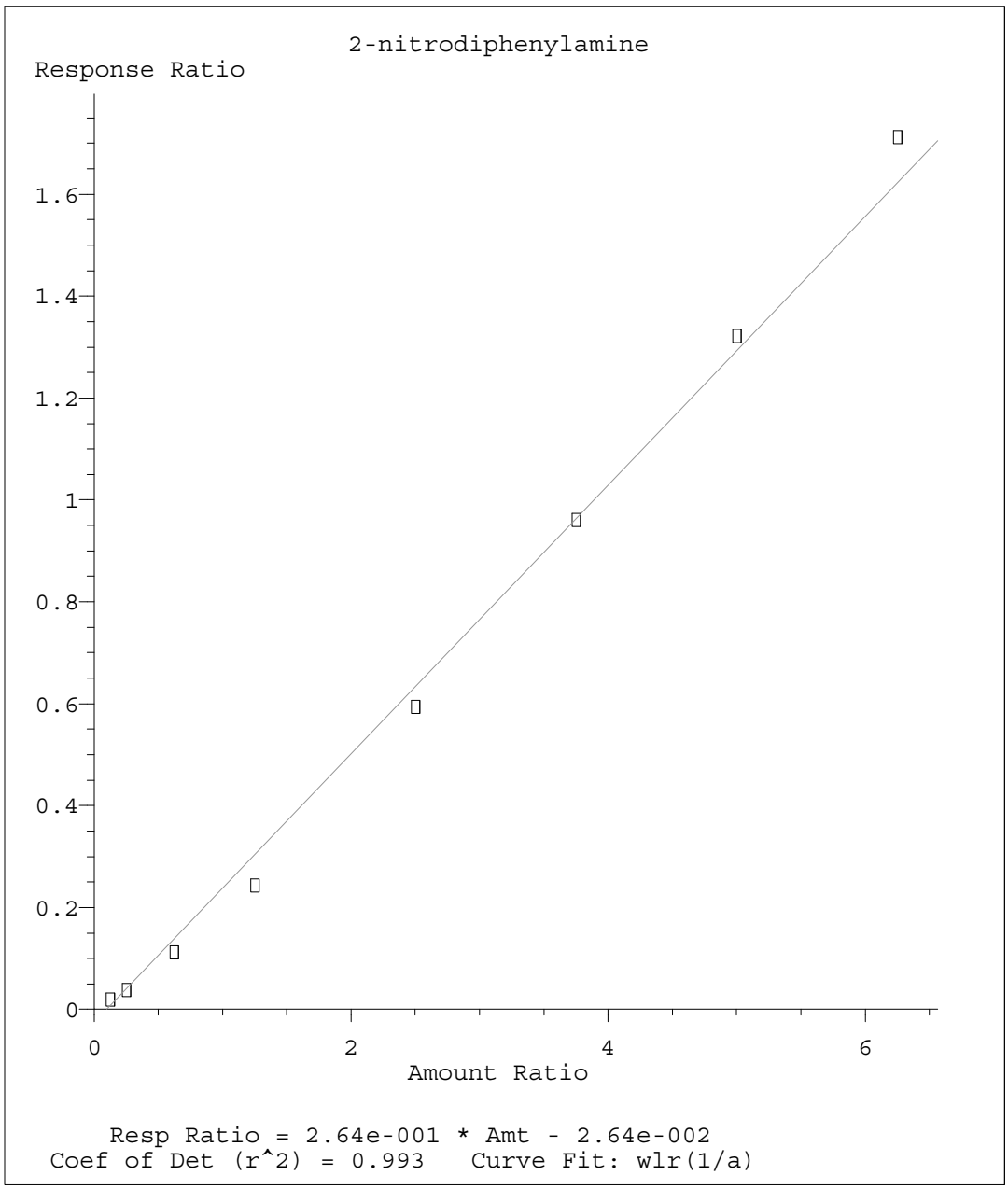
SDG: L1488631 **Analytical Method:** 8270E

Instrument ID: BNAMS20

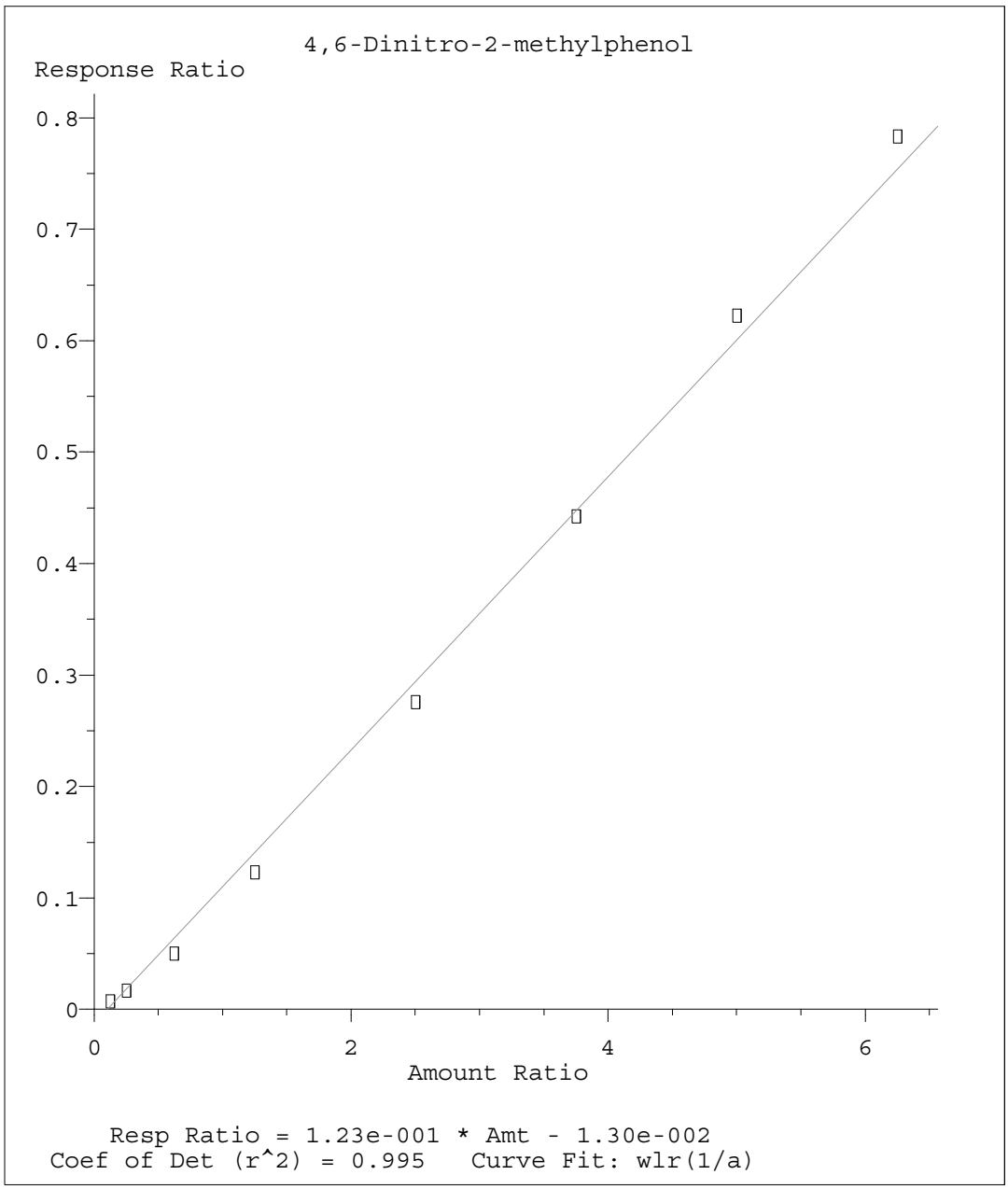
Analyte Analysis date/time	RRF. Avg	%RSD	COD
NAPHTHALENE	0.924899	11.99	
2-METHYLNAPHTHALENE	0.605229	4.43	
1-METHYLNAPHTHALENE	0.578152	3.93	
ACENAPHTHYLENE	1.575947	6.25	
ACENAPHTHENE	1.100041	4.56	
DIBENZOFURAN	1.463982	7.34	
FLUORENE	1.246631	4.99	
PENTACHLOROPHENOL	0.099138	26.91	0.994
PHENANTHRENE	1.026137	10.3	
ANTHRACENE	0.996099	6.32	
FLUORANTHENE	0.999513	3.94	
PYRENE	1.235972	4.45	
BENZO(A)ANTHRACENE	1.191209	17.74	1
CHRYSENE	1.167295	11.85	
BENZO(B)FLUORANTHENE	1.093318	4.13	
BENZO(K)FLUORANTHENE	1.083418	8.42	
BENZO(A)PYRENE	0.903627	9.71	
INDENO(1,2,3-CD)PYRENE	0.919587	8.85	
DIBENZ(A,H)ANTHRACENE	1.093444	31.08	0.999
BENZO(G,H,I)PERYLENE	0.98723	4.29	
PHENOL	1.517993	1.49	
3&4-METHYL PHENOL	1.308048	1.5	
CARBAZOLE	0.954893	5.44	
DI-N-BUTYL PHTHALATE	1.100979	7.99	
BIS(2-ETHYLHEXYL)PHTHALATE	0.803811	15.04	
DI-N-OCTYL PHTHALATE	1.233909	17.99	0.998
2-FLUOROPHENOL	1.14024	1.71	
PHENOL-D5	1.452305	1.4	
NITROBENZENE-D5	0.338405	5.43	
2-FLUOROBIPHENYL	1.167452	5.37	
P-TERPHENYL-D14	0.944949	4.27	
2,4,6-TRIBROMOPHENOL	0.081668	15.27	
BENZOIC ACID	0.15457	8.4	



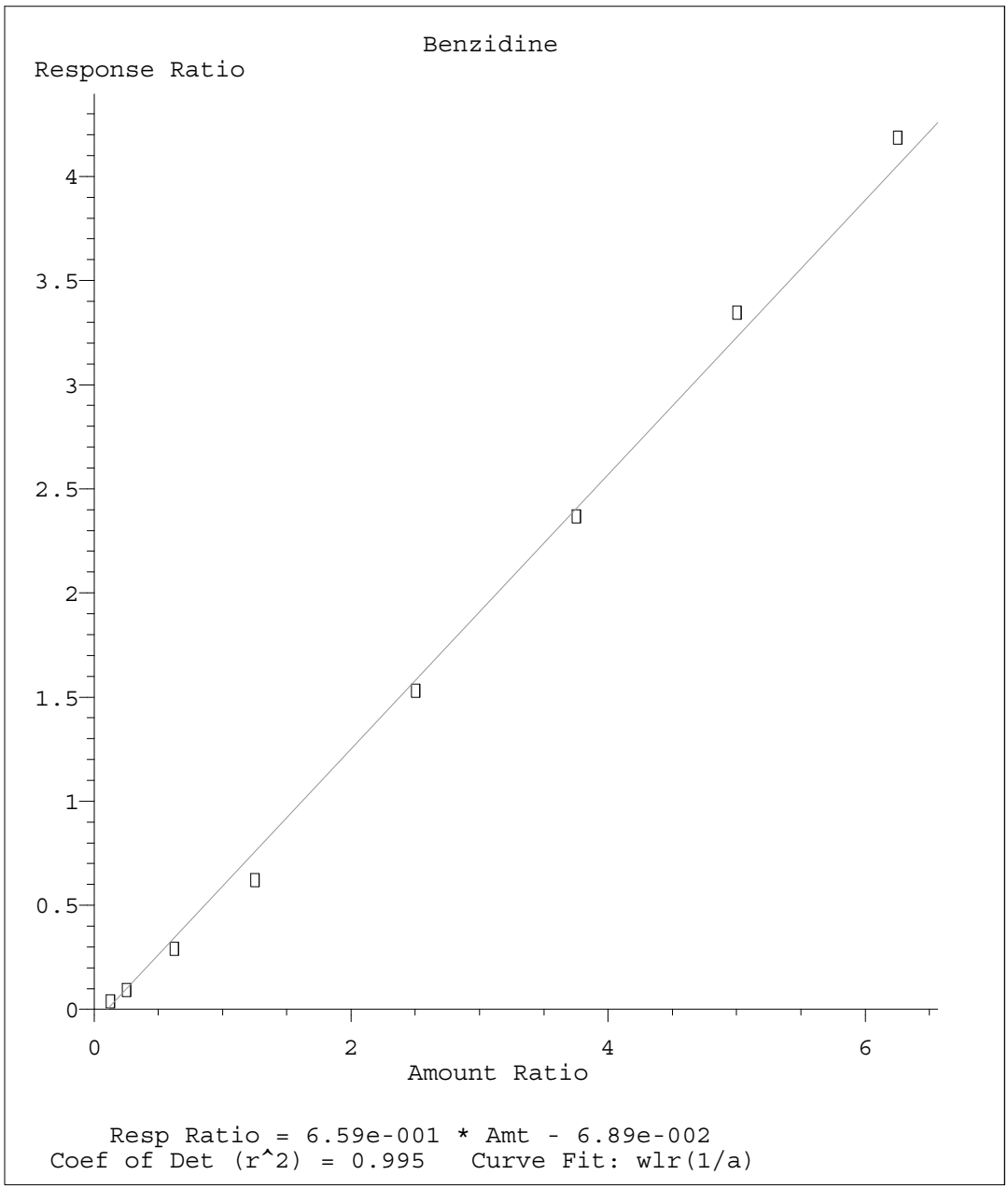
Method Name: C:\msdchem\1\methods\S820B11AV.M



Method Name: C:\msdchem\1\methods\S820B11AV.M



Method Name: C:\msdchem\1\methods\S820B11AV.M



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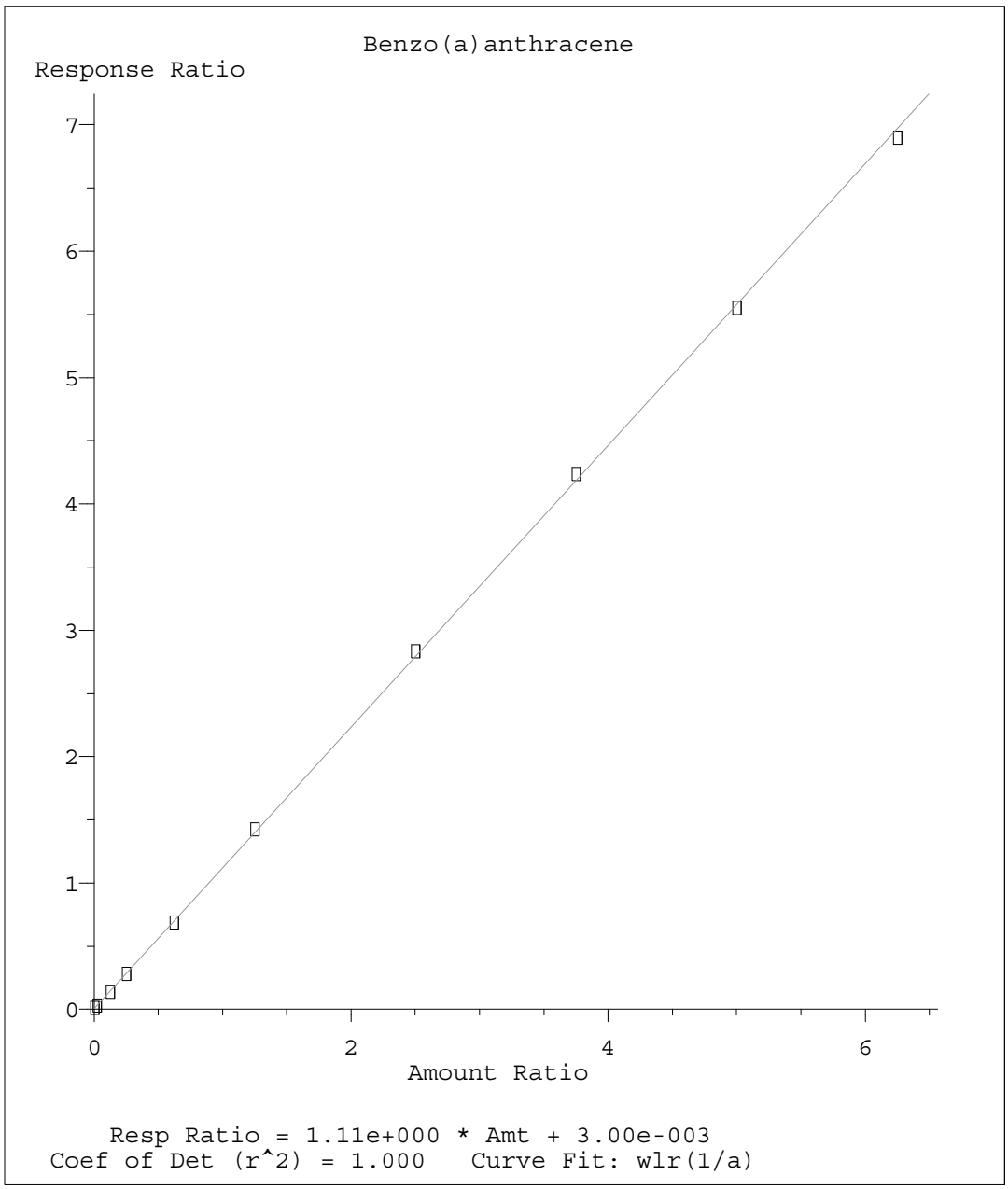

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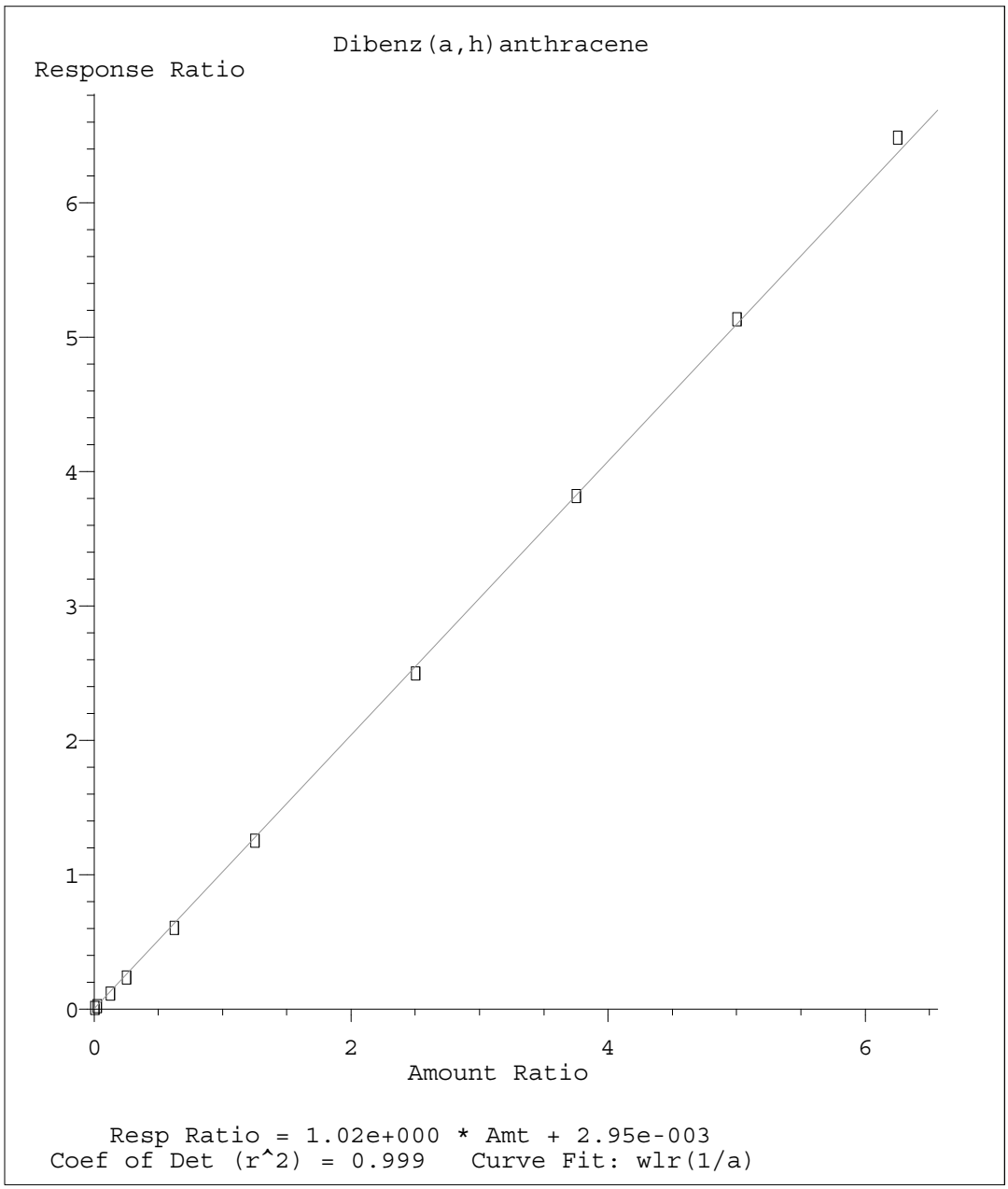

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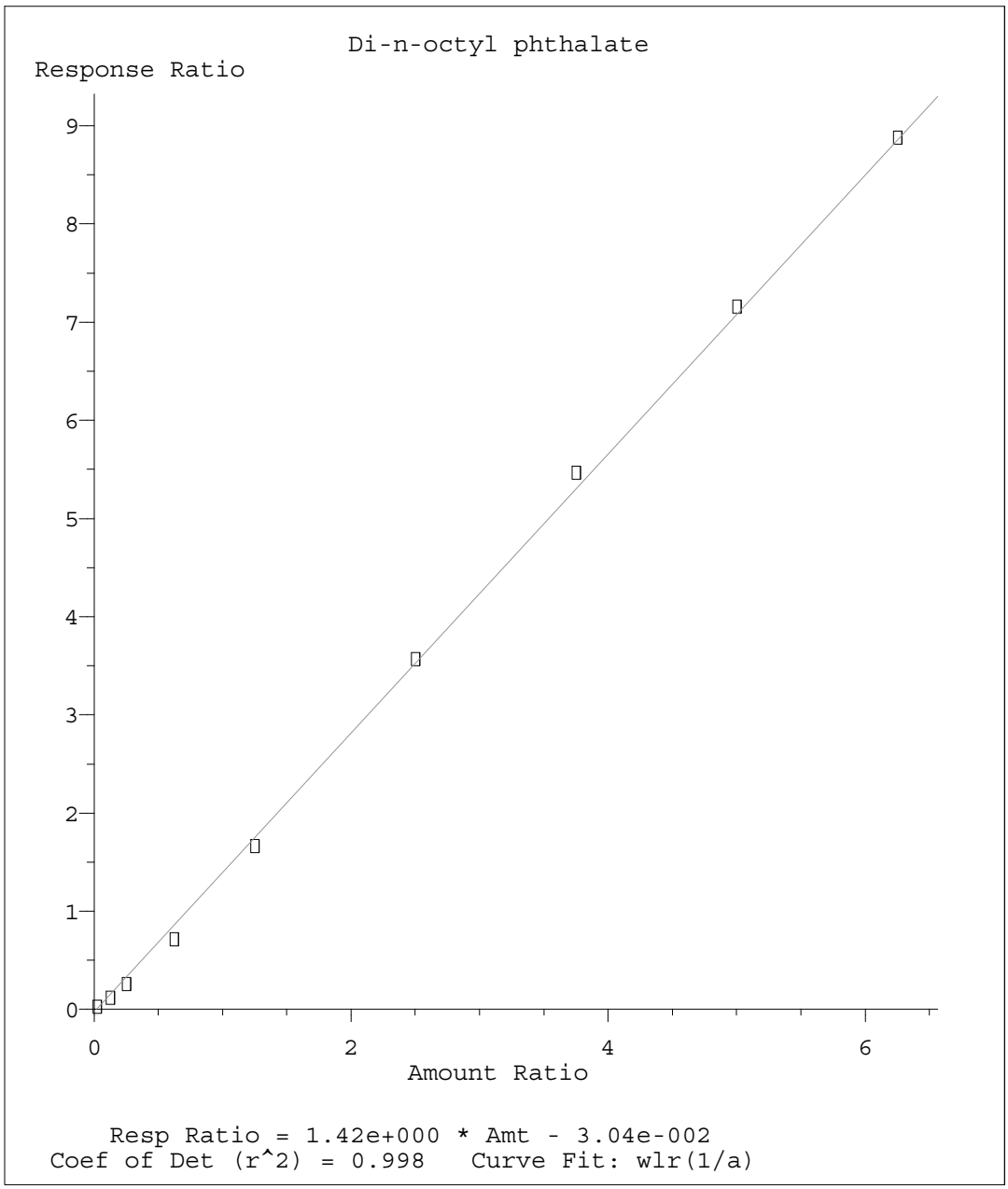
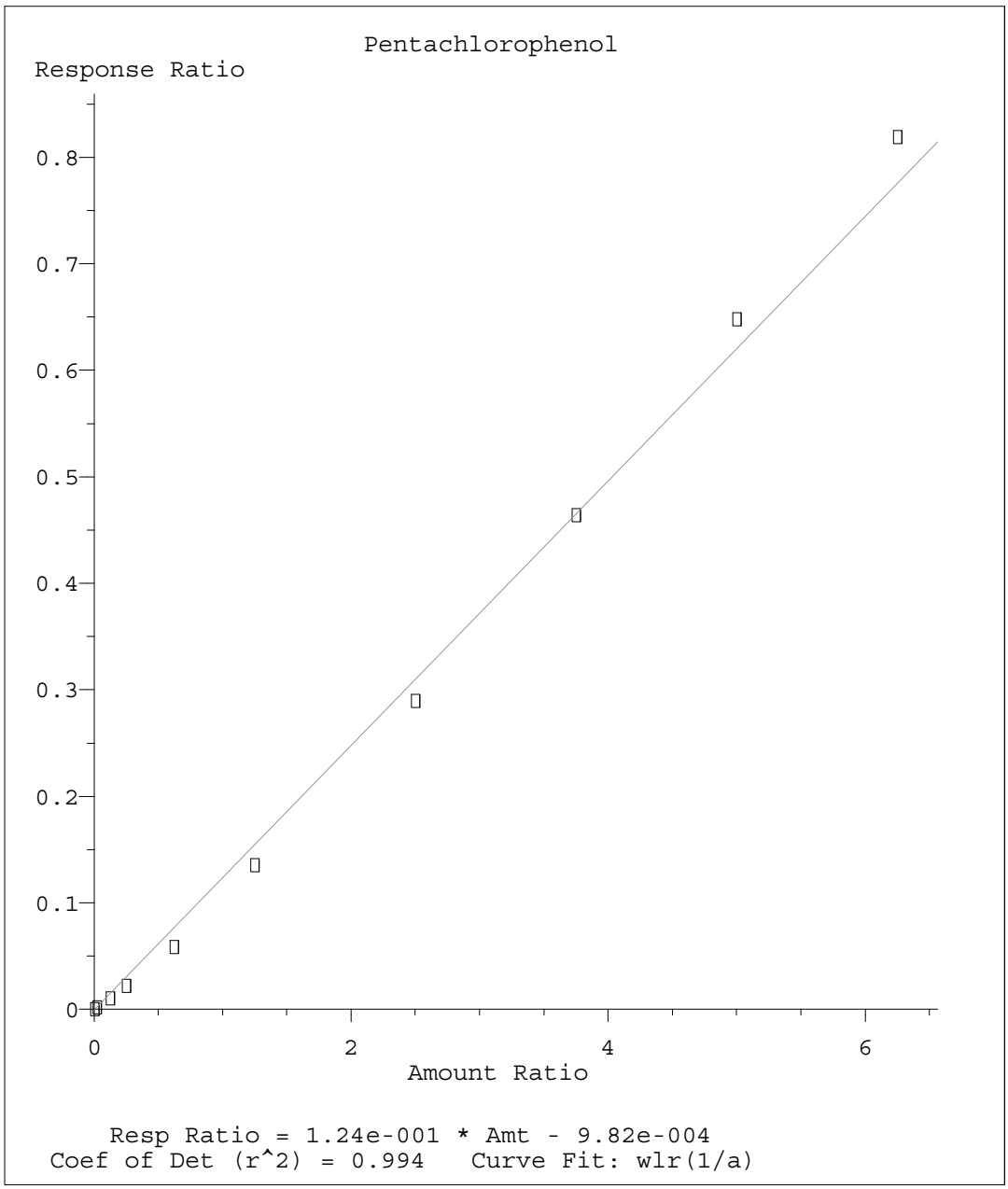


Method Name: C:\msdchem\1\methods\S820B11AV.M



Method Name: C:\msdchem\1\methods\S820B11AV.M

Response Factor Report BNAMS20

Method Path : C:\msdchem\1\methods\
Method File : S820B11AV.M
Title : 8270 BNA
Last Update : Sun Feb 13 09:38:35 2022
Response Via : Initial Calibration

Calibration Files
40 =0211 24.D 200 =0211 07.D 1K =0211 08.D 2K =0211 09.D 5K =0211 10.D 10K =0211 11.D 20K =0211 12.D 30K =0211 13.D
40K =0211 14.D 50K =0211 15.D 1K1 =0211_16.D 2K1 =0211_17.D 5K1 =0211_18.D 10K1=0211_19.D 20K1=0211_20.D 30K1=0211_21.D
40K1=0211_22.D 50K1=0211_23.D

	Compound	40	200	1K	2K	5K	10K	20K	30K	40K	50K	1K1	2K1	5K1	10K1	20K1	30K1	40K1	50K1	Avg	%RSD
1)	I 1,4-Dichlorobenzen...	----------ISTD----------																			
2)	TM Pyridine	1.297	1.382	1.279	1.268	1.265	1.231	1.183	1.182	1.188										1.253	5.23
3)	MT N-Nitrosodimet...	0.691	0.762	0.724	0.718	0.717	0.709	0.695	0.690	0.694										0.711	3.24
4)	S 2-Fluorophenol	1.180	1.137	1.139	1.146	1.156	1.140	1.123	1.118	1.123										1.140	1.71
5)	MT Aniline	0.748	0.689	0.685	0.698	0.704	0.699	0.694	0.692	0.700										0.701	2.63
6)	MT bis(2-Chloroet...	1.228	1.171	1.127	1.165	1.202	1.213	1.065	1.124	1.133										1.159	4.49
7)	S Phenol-d5	1.494	1.427	1.435	1.433	1.454	1.468	1.450	1.453	1.457										1.452	1.40
8)	MC Phenol	1.500	1.547	1.514	1.516	1.559	1.528	1.506	1.493	1.499										1.518	1.49
9)	Benzaldehyde											0.368	0.339	0.339	0.323	0.353	0.363	0.368	0.360	0.351	4.66
10)	MT 2-Chlorophenol	1.229	1.258	1.284	1.284	1.320	1.321	1.316	1.319	1.301										1.292	2.49
11)	T n-Decane	0.939	0.881	0.825	0.795	0.784	0.760	0.738	0.720	0.700										0.794	9.79
12)	MT 1,3-Dichlorobe...	1.471	1.423	1.399	1.386	1.381	1.380	1.376	1.360	1.346										1.391	2.65
13)	MTC 1,4-Dichlorobe...	1.513	1.486	1.447	1.415	1.431	1.414	1.397	1.375	1.358										1.426	3.51
14)	MT Benzyl Alcohol	1.051	0.953	0.959	0.991	1.033	1.026	1.027	1.028	1.030										1.011	3.44
15)	MT 1,2-Dichlorobe...	1.387	1.390	1.336	1.334	1.353	1.345	1.325	1.322	1.319										1.346	1.98
16)	MT bis(2-Chlorois...	0.467	0.469	0.456	0.446	0.451	0.449	0.445	0.447	0.455										0.454	1.98
17)	MT 2,2-oxybis(1-c...	0.467	0.469	0.456	0.446	0.451	0.449	0.445	0.447	0.455										0.454	1.98
18)	MT 2-Methylphenol	1.138	1.127	1.114	1.129	1.153	1.158	1.148	1.155	1.157										1.142	1.39
19)	MT Hexachloroethane	0.567	0.572	0.555	0.560	0.559	0.564	0.564	0.568	0.576											

Pace Analytical - Minnesota
10606563

0.565 1.17

Response Factor Report BNAMS20

Method Path : C:\msdchem\1\methods\
Method File : S820B11AV.M
Title : 8270 BNA
Last Update : Sun Feb 13 09:38:35 2022

20) MP N-Nitrosodi-n-... 0.880 0.853 0.859 0.889 0.917 0.922 0.915 0.908 0.921
0.896 2.99
21) MT 3&4-Methyl phenol 1.318 1.292 1.272 1.288 1.315 1.329 1.323 1.311 1.325
1.308 1.50
22) MT Acetophenone 1.617 1.578 1.617 1.533 1.672 1.725 1.702
1.636 1.635 3.90

23) I Naphthalene-d8 ----------ISTD----------
24) S Nitrobenzene-d5 0.360 0.345 0.345 0.351 0.363 0.315 0.323 0.323 0.321
0.338 5.43
25) MT Nitrobenzene 0.318 0.314 0.318 0.315 0.324 0.320 0.316 0.313 0.306
0.316 1.57
26) MT Isophorone 0.555 0.563 0.576 0.588 0.612 0.602 0.593 0.584 0.575
0.583 3.10
27) MCT 2-Nitrophenol 0.119 0.136 0.141 0.151 0.165 0.173 0.177 0.178 0.180
0.158 13.86
28) MT 2,4-Dimethylph... 0.306 0.302 0.310 0.309 0.315 0.316 0.319 0.314 0.313
0.312 1.70
29) MT bis(2-Chloreth... 0.381 0.362 0.368 0.357 0.366 0.356 0.357 0.350 0.344
0.360 3.00
30) MCT 2,4-Dichloroph... 0.245 0.232 0.239 0.238 0.250 0.256 0.258 0.258 0.258
0.248 4.04
31) MT Benzoic Acid 0.130 0.147 0.161 0.157 0.173 0.164 0.157
0.149 0.155 8.40
32) MT 1,2,4-Trichlor... 0.277 0.273 0.266 0.263 0.266 0.266 0.268 0.265 0.263
0.267 1.72
33) MT alpha-terpineol 0.252 0.233 0.236 0.211 0.205 0.183 0.168
0.213 14.20
34) MT Naphthalene 1.101 1.034 0.983 0.961 0.951 0.957 0.893 0.844 0.789 0.737
0.925 11.99
35) MT 4-Chloroaniline 0.126 0.119 0.114 0.114 0.118 0.116 0.116 0.115 0.115
0.117 3.20
36) MCT Hexachloro-1,3... 0.136 0.143 0.142 0.136 0.140 0.140 0.143 0.146 0.147
0.141 2.70
37) Hydroquinone 0.283 0.288 0.296 0.272 0.272 0.249 0.224
0.206 0.261 12.25
38) MT Quinoline 0.623 0.597 0.589 0.522 0.498 0.443
0.545 12.66
39) MT Caprolactam 0.088 0.092 0.096 0.086 0.084 0.078 0.072
0.067 0.083 12.08
40) MCT 4-Chloro-3-met... 0.267 0.245 0.255 0.258 0.270 0.270 0.276 0.274 0.273
0.265 3.99
41) MT 2-Methylnaphth... 0.605 0.640 0.626 0.622 0.607 0.617 0.614 0.602 0.573 0.548
0.605 4.43
42) MT 1-Methylnaphth... 0.555 0.601 0.603 0.596 0.582 0.596 0.584 0.573 0.555 0.537
0.578 3.93
43) MT 1,2,4,5-Tetrac... 0.249 0.232 0.221 0.197 0.192 0.175

0.211 13.13

Response Factor Report BNAMS20

Method Path : C:\msdchem\1\methods\
Method File : S820B11AV.M
Title : 8270 BNA
Last Update : Sun Feb 13 09:38:35 2022

44) Diphenyl Ether 0.388 0.371 0.361 0.316 0.302 0.273
0.335 13.38
45) Diphenyl Oxide 0.388 0.371 0.361 0.316 0.302 0.273
0.335 13.38

46) I Acenaphthene-d10 ----------ISTD----------
47) MPT Hexachlorocycl... 0.296 0.298 0.306 0.305 0.327 0.342 0.352 0.356 0.365
0.327 8.30
48) MCT 2,4,6-Trichlor... 0.262 0.276 0.294 0.288 0.312 0.334 0.343 0.339 0.345
0.310 10.17
49) MT 2,4,5-Trichlor... 0.307 0.310 0.326 0.322 0.345 0.338 0.356 0.366 0.373
0.338 7.07
50) S 2-Fluorobiphenyl 1.281 1.217 1.193 1.142 1.191 1.157 1.151 1.109 1.065
1.167 5.37
51) MT Biphenyl 1.485 1.444 1.417 1.347 1.382 1.343 1.321 1.234 1.161
1.348 7.54
52) MT 2-Chloronaphth... 0.979 1.148 1.099 1.069 1.045 1.072 1.044 1.044 1.013 0.996
1.051 4.72
53) MT 2-Nitroaniline 0.277 0.302 0.328 0.377 0.390 0.402 0.400 0.410
0.361 14.17
54) MT Acenaphthylene 1.507 1.626 1.680 1.673 1.609 1.662 1.607 1.548 1.466 1.382
1.576 6.25
55) MT Dimethyl phtha... 1.209 1.233 1.230 1.198 1.230 1.191 1.184 1.147 1.123
1.194 3.20
56) MT 2,6-Dinitrotol... 0.205 0.246 0.259 0.274 0.289 0.293 0.301 0.298 0.304
0.274 11.90
57) MT 3-Nitroaniline 0.229 0.272 0.297 0.315 0.340 0.344 0.350 0.345 0.351
0.316 13.43
58) MCT Acenaphthene 1.056 1.186 1.166 1.120 1.087 1.113 1.104 1.090 1.058 1.021
1.100 4.56
59) MPT 2,4-Dinitrophenol 0.076 0.085 0.108 0.129 0.150 0.163 0.171 0.180
0.133 29.84
60) MT Dibenzofuran 1.520 1.622 1.569 1.530 1.458 1.499 1.442 1.393 1.335 1.272
1.464 7.34
61) MT 2,4-Dinitrotol... 0.251 0.291 0.313 0.350 0.374 0.384 0.390 0.388 0.397
0.349 14.87
62) T 2,3,4,6-Tetrac... 0.210 0.214 0.223 0.216 0.242 0.250 0.260
0.262 0.235 9.07
63) MPT 4-Nitrophenol 0.200 0.206 0.224 0.249 0.271 0.281 0.287 0.285 0.290
0.255 14.25
64) MT Fluorene 1.148 1.324 1.313 1.278 1.248 1.293 1.265 1.248 1.195 1.155
1.247 4.99
65) MT 4-Chlorophenyl... 0.565 0.572 0.562 0.541 0.560 0.557 0.560 0.555 0.560
0.559 1.48
66) MT Diethyl phthalate 1.241 1.246 1.259 1.228 1.290 1.235 1.221 1.174 1.138
1.226 3.69
67) MT 4-Nitroaniline 0.272 0.303 0.337 0.377 0.378 0.380 0.369 0.376

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0.349 11.79

Response Factor Report BNAMS20

Method Path : C:\msdchem\1\methods\
Method File : S820B11AV.M
Title : 8270 BNA
Last Update : Sun Feb 13 09:38:35 2022

68) MT Azobenzene 1.210 1.327 1.317 1.322 1.347 1.271 1.232 1.175 1.130
1.259 6.07
69) MT Atrazine 0.277 0.277 0.293 0.295 0.329 0.335 0.341
0.337 0.311 8.92

70) I Phenanthrene-d10 ----------ISTD----------
71) MT 4,6-Dinitro-2-... 0.057 0.067 0.080 0.098 0.110 0.118 0.124 0.125
0.098 27.16
72) MCT N-Nitrosodiphe... 0.608 0.594 0.608 0.599 0.620 0.615 0.619 0.604 0.592
0.607 1.66
73) S 2,4,6-Tribromo... 0.064 0.068 0.073 0.080 0.085 0.091 0.095 0.097
0.082 15.27
74) MT 4-Bromophenyl-... 0.169 0.163 0.166 0.162 0.172 0.171 0.180 0.182 0.185
0.172 4.90
75) MT Hexachlorobenzene 0.191 0.205 0.190 0.189 0.183 0.191 0.194 0.202 0.203 0.207
0.196 4.12
76) T n-octadecane 0.139 0.121 0.131 0.117 0.121 0.121 0.121 0.120 0.118
0.123 5.74
77) MCT Pentachlorophenol 0.055 0.067 0.080 0.088 0.094 0.108 0.116 0.124 0.130 0.131
0.099 26.91#
78) MT Phenanthrene 1.223 1.144 1.064 1.054 1.005 1.035 1.001 0.963 0.914 0.859
1.026 10.30
79) MT Anthracene 0.954 1.065 1.021 1.044 1.021 1.062 1.014 0.981 0.931 0.868
0.996 6.32
80) MT Carbazole 1.011 0.973 0.983 0.976 1.000 0.961 0.941 0.905 0.845
0.955 5.44
81) MT Di-n-butyl pht... 1.062 1.089 1.143 1.153 1.224 1.168 1.116 1.030 0.925
1.101 7.99
82) MT 2-nitrodipheny... 0.149 0.150 0.179 0.194 0.237 0.256 0.264
0.274 0.213 24.11
83) MCT Fluoranthene 1.025 1.048 0.996 1.019 0.992 1.032 1.020 0.995 0.953 0.916
1.000 3.94

84) I Chrysene-d12 ----------ISTD----------
85) MT Benzidine 0.303 0.364 0.465 0.496 0.611 0.631 0.669
0.670 0.526 26.87
86) MT Pyrene 1.280 1.338 1.237 1.247 1.219 1.268 1.237 1.223 1.167 1.144
1.236 4.45
87) S p-Terphenyl-d14 1.046 0.935 0.939 0.914 0.945 0.942 0.953 0.921 0.911
0.945 4.27
88) MT Benzylbutyl ph... 0.452 0.465 0.516 0.535 0.600 0.631 0.647 0.641 0.649
0.571 13.98
89) MT 3,3-Dichlorobe... 0.314 0.324 0.349 0.342 0.403 0.415 0.438
0.438 0.378 13.47
90) MT Benzo(a)anthra... 1.783 1.219 1.079 1.121 1.098 1.136 1.133 1.130 1.110 1.103
1.191 17.74
91) MT Chrysene 1.426 1.419 1.170 1.134 1.087 1.118 1.096 1.089 1.072 1.061

Method Path : C:\msdchem\1\methods\
Method File : S820B11AV.M
Title : 8270 BNA
Last Update : Sun Feb 13 09:38:35 2022

```
 1.167   11.85
92) MT  bis(2-Ethylhex...       0.637 0.642 0.701 0.755 0.844 0.900 0.924 0.912 0.919
     0.804   15.04
93) MC  Di-n-octyl pht...       0.961 0.927 1.014 1.142 1.327 1.426 1.456 1.431 1.420
     1.234   17.99

94) I   Perylene-d12          ----------------ISTD---------------------
95) MT  Benzo(b)fluora... 1.077 1.121 1.011 1.046 1.051 1.105 1.109 1.132 1.139 1.143
     1.093    4.13
96) MT  Benzo(k)fluora... 0.841 1.124 1.083 1.046 1.078 1.114 1.123 1.156 1.138 1.131
     1.083    8.42
97) MC  Benzo(a)pyrene    0.741 0.836 0.817 0.862 0.894 0.948 0.965 0.992 0.991 0.991
     0.904    9.71
98) MT  Indeno(1,2,3-c... 1.100 0.857 0.814 0.846 0.868 0.928 0.921 0.944 0.948 0.970
     0.920    8.85
99) MT  Dibenz(a,h)ant... 2.055 0.975 0.915 0.945 0.964 1.001 0.998 1.018 1.027 1.037
     1.093   31.08
100) MT  Benzo(g,h,i)pe... 0.899 1.062 0.959 0.966 0.975 1.005 1.003 1.010 0.998 0.997
     0.987    4.29
--------------------------------------------------------------------------------
(#) = Out of Range
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SDG: L1488631
DATE/TIME: 05/31/22 16:02
PAGE: 72 of 459

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:34:19 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.451	152	317937	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.199	136	1287940	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	698481	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1257054	8000.0000000	ppb		0.00
84) Chrysene-d12	9.357	240	1014225	8000.0000000	ppb		0.00
94) Perylene-d12	12.092	264	958424	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.757	112	1555	34.3149255	ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 0.86%#				
7) Phenol-d5	3.204	99	2273	39.3813526	ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 0.98%#				
24) Nitrobenzene-d5	3.757	82	2008m	36.8570818	ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 1.84%#				
50) 2-Fluorobiphenyl	4.887	172	4024	39.4779097	ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 1.97%#				
73) 2,4,6-Tribromophenol	5.951	330	339	26.4169010	ppb		0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 0.66%#				
87) p-Terphenyl-d14	7.928	244	5114	42.6882399	ppb		0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 2.13%#				
Target Compounds							Qvalue
2) Pyridine	2.234	79	2457m	49.3564945	ppb		
3) N-Nitrosodimethylamine	2.169	42	2901	102.6469574	ppb	#	57
5) Aniline	3.257	66	1185	42.5341942	ppb	#	80
6) bis(2-Chloroethyl)ether	3.281	93	1992m	43.2534541	ppb		
8) Phenol	3.216	94	2281	37.8098090	ppb		95
10) 2-Chlorophenol	3.328	128	1926	37.5010822	ppb		81
11) n-Decane	3.340	41	2689	85.2463271	ppb	#	97
12) 1,3-Dichlorobenzene	3.422	146	2312	41.8124973	ppb		92
13) 1,4-Dichlorobenzene	3.457	146	2353m	41.5156791	ppb		
14) Benzyl Alcohol	3.504	79	1787	44.4862901	ppb	#	72
15) 1,2-Dichlorobenzene	3.546	146	2108	39.4177832	ppb		95
16) bis(2-Chloroisopropyl)...	3.587	121	682	37.8086314	ppb	#	60
17) 2,2-oxybis(1-chloropro...	3.587	121	682	37.8086314	ppb	#	60
18) 2-Methylphenol	3.557	108	1697	37.3893299	ppb		90
19) Hexachloroethane	3.746	117	760	33.8505670	ppb	#	73
20) N-Nitrosodi-n-propylamine	3.651	70	1426	40.0450131	ppb		93
21) 3&4-Methyl phenol	3.640	107	2009	38.6460597	ppb		89
25) Nitrobenzene	3.769	77	2053	40.3476470	ppb		89
26) Isophorone	3.904	82	3611	38.4582680	ppb		91
27) 2-Nitrophenol	3.957	139	662	26.0407655	ppb	#	64
28) 2,4-Dimethylphenol	3.957	107	1571	31.3258852	ppb	#	82
29) bis(2-Chlorethoxy)methane	4.022	93	2369	40.8737332	ppb		94
30) 2,4-Dichlorophenol	4.093	162	1155	28.8962780	ppb		86
32) 1,2,4-Trichlorobenzene	4.157	180	1756	40.7992136	ppb		94
34) Naphthalene	4.210	128	7087	46.8461274	ppb		99
35) 4-Chloroaniline	4.228	65	605	32.1574896	ppb		70
36) Hexachloro-1,3-butadiene	4.281	225	838	36.8040628	ppb	#	83
40) 4-Chloro-3-methylphenol	4.516	107	1186	27.7698522	ppb	#	77
41) 2-Methylnaphthalene	4.651	142	3897	39.1839935	ppb		95
42) 1-Methylnaphthalene	4.716	142	3575m	37.2880862	ppb		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:34:19 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

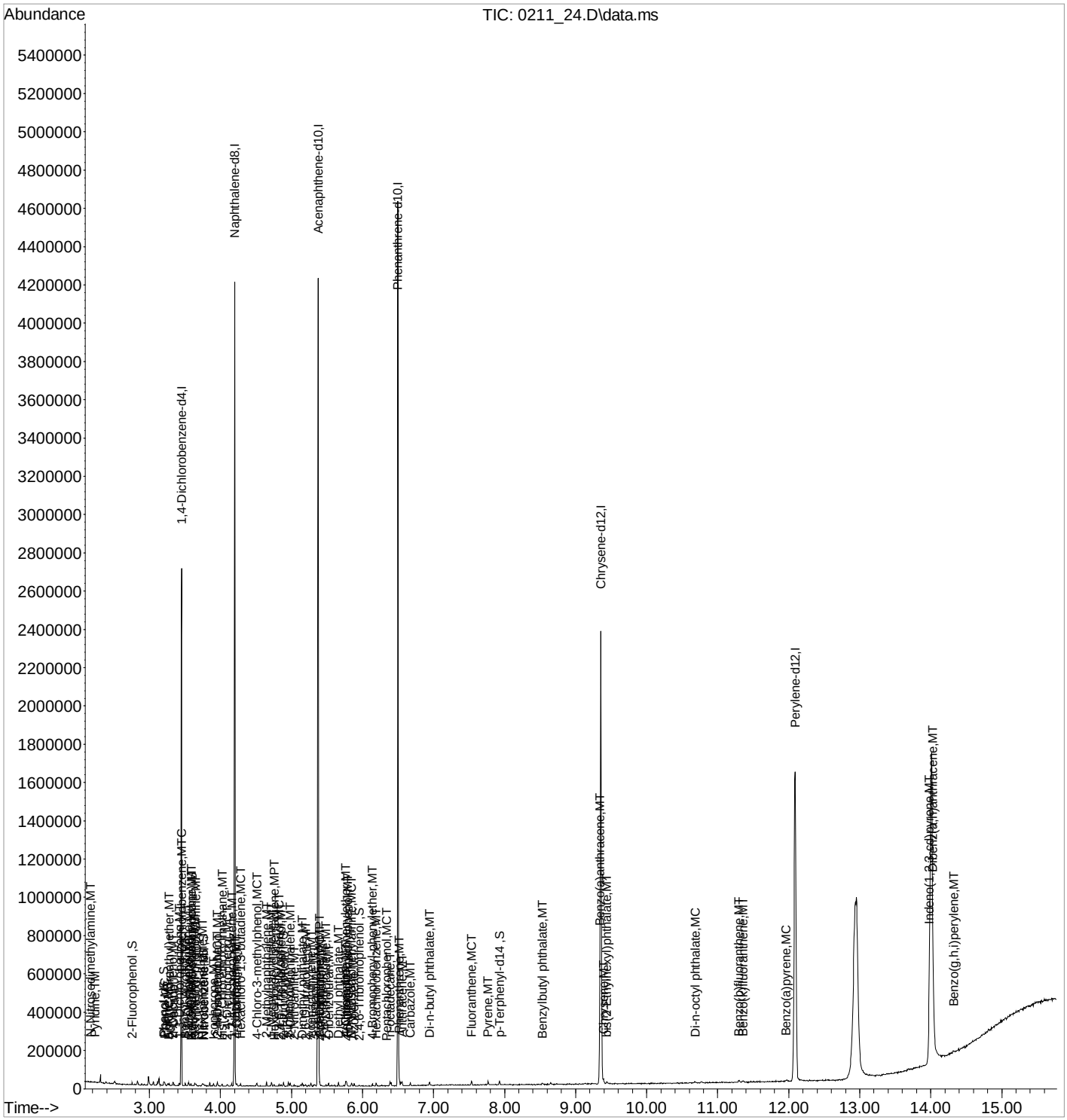
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.757	237	1070	37.4243923 ppb		91
48)	2,4,6-Trichlorophenol	4.828	196	861	31.7643027 ppb	#	76
49)	2,4,5-Trichlorophenol	4.851	196	759	25.6993720 ppb	#	81
51)	Biphenyl	4.957	154	4570	38.8236398 ppb		93
52)	2-Chloronaphthalene	4.981	162	3420	35.9891620 ppb		96
53)	2-Nitroaniline	5.034	138	1041	33.0708576 ppb	#	98
54)	Acenaphthylene	5.275	152	5264	37.1859664 ppb		92
55)	Dimethyl phthalate	5.151	163	4064	38.9880510 ppb		97
56)	2,6-Dinitrotoluene	5.198	165	729	30.4527897 ppb	#	79
57)	3-Nitroaniline	5.322	138	909	32.9628480 ppb		92
58)	Acenaphthene	5.398	153	3687	36.6417657 ppb		96
59)	2,4-Dinitrophenol	5.398	184	144	943.2070841 ppb	#	1
60)	Dibenzofuran	5.522	168	5309	41.7126675 ppb	#	94
61)	2,4-Dinitrotoluene	5.487	165	880	28.9021809 ppb		89
63)	4-Nitrophenol	5.422	139	597	26.8233464 ppb	#	65
64)	Fluorene	5.775	166	4008	35.5079655 ppb		85
65)	4-Chlorophenyl-phenyle...	5.763	204	1606	32.9027486 ppb		95
66)	Diethyl phthalate	5.663	149	3981	37.1984167 ppb		98
67)	4-Nitroaniline	5.763	138	784	25.7114860 ppb	#	85
68)	Azobenzene	5.881	77	4279	38.9265780 ppb		85
71)	4,6-Dinitro-2-methylph...	5.793	198	224	861.7178438 ppb	#	49
72)	N-Nitrosodiphenylamine	5.845	169	3443	36.1243041 ppb		91
74)	4-Bromophenyl-phenylether	6.140	248	957	35.3552088 ppb		93
75)	Hexachlorobenzene	6.192	284	1198	38.8886640 ppb	#	83
76)	n-octadecane	6.387	55	851m	43.9184010 ppb		
77)	Pentachlorophenol	6.340	266	346	238.0585313 ppb		84
78)	Phenanthrene	6.516	178	7689	45.7926153 ppb		96
79)	Anthracene	6.557	178	5994	36.6188593 ppb		97
80)	Carbazole	6.675	167	6304	42.0143620 ppb		91
81)	Di-n-butyl phthalate	6.945	149	6014	34.7632696 ppb		98
83)	Fluoranthene	7.534	202	6442	39.0891066 ppb		93
86)	Pyrene	7.769	202	6490	39.5512169 ppb		91
88)	Benzylbutyl phthalate	8.534	149	2190	30.2712627 ppb		92
90)	Benzo(a)anthracene	9.339	228	9043m	58.2977075 ppb		
91)	Chrysene	9.392	228	7232	45.1201530 ppb		94
92)	bis(2-Ethylhexyl)phtha...	9.439	149	3277	32.1572079 ppb		92
93)	Di-n-octyl phthalate	10.686	149	3922	25.0714960 ppb		98
95)	Benzo(b)fluoranthene	11.298	252	5161	37.6335777 ppb		85
96)	Benzo(k)fluoranthene	11.357	252	4030m	29.1117776 ppb		
97)	Benzo(a)pyrene	11.963	252	3550	31.3746591 ppb		90
98)	Indeno(1,2,3-cd)pyrene	13.980	276	5272m	47.2102615 ppb		
99)	Dibenz(a,h)anthracene	14.027	278	9846	80.0131943 ppb	#	9
100)	Benzo(g,h,i)perylene	14.321	276	4306	34.3562224 ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:34:19 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

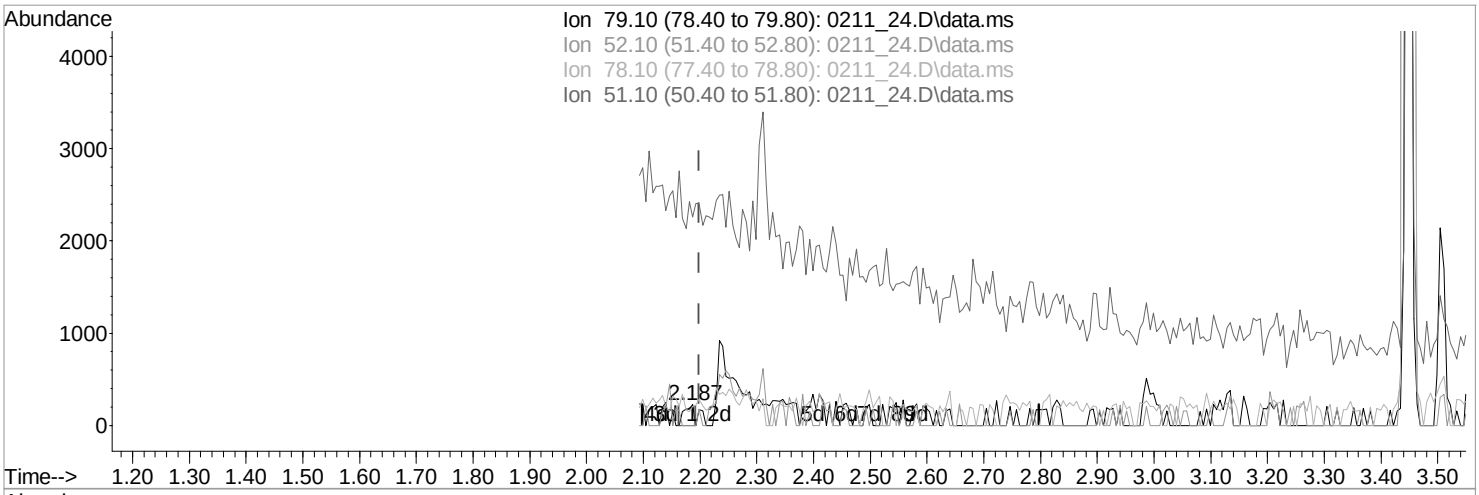


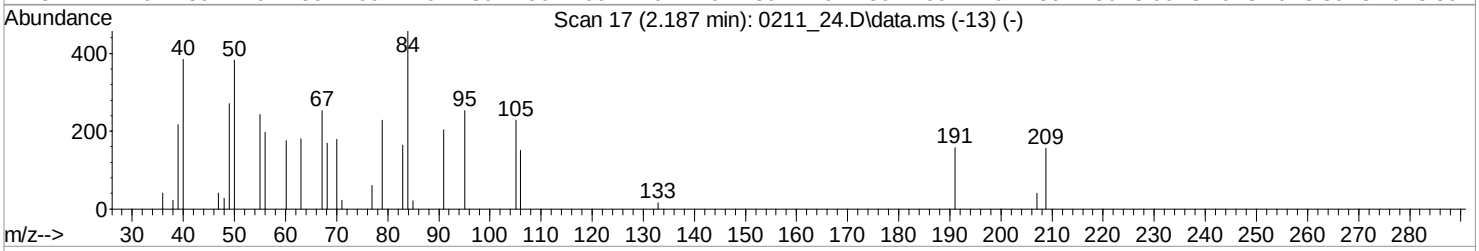
S820B11V.M Sat Feb 12 11:34:26 2022 Page: 3

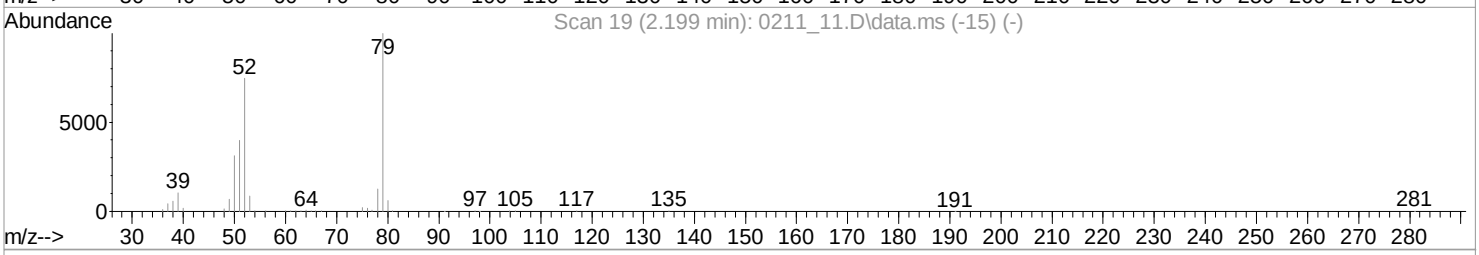
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(2) Pyridine (TM)

2.187min (-0.012) 5.2429976 ppb

Qvalue = 25

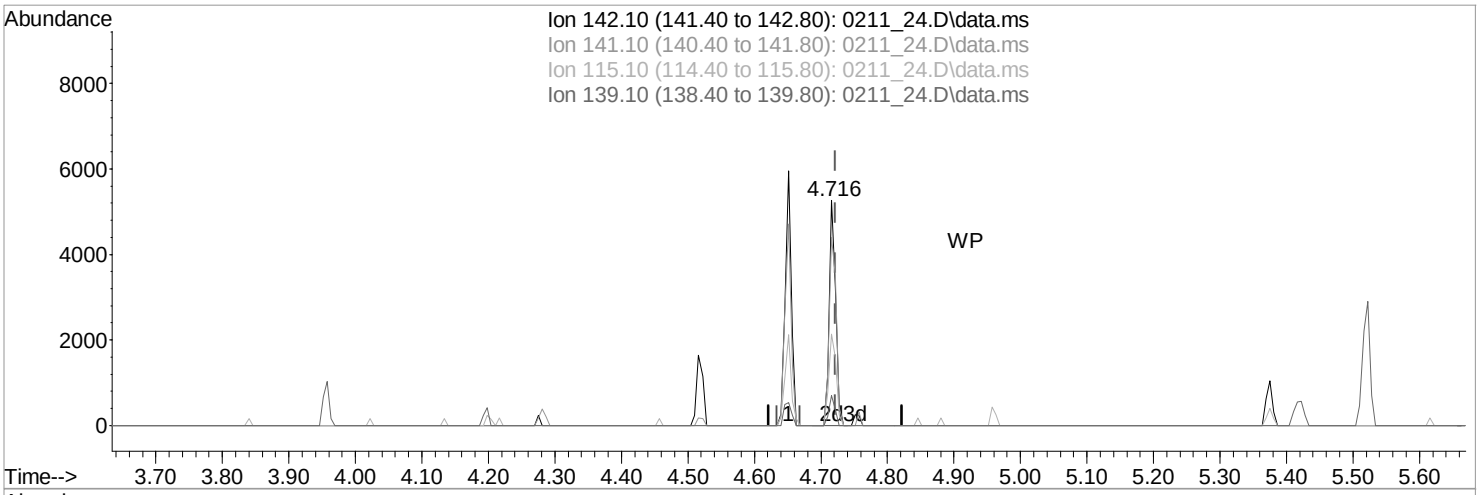
response 261

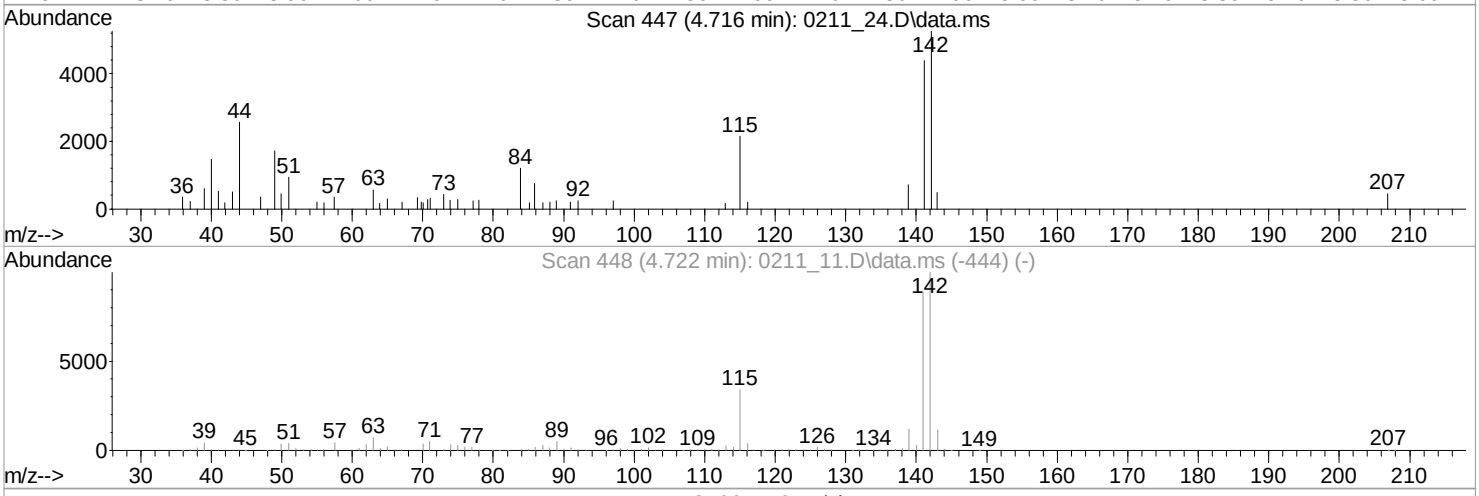
Ion	Exp%	Act%
79.10	100	100
52.10	74.60	0.00#
78.10	12.60	0.00#
51.10	40.00	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_24.D\data.ms

(42) 1-Methylnaphthalene (MT)

4.716min (-0.006) 37.2880862 ppb m

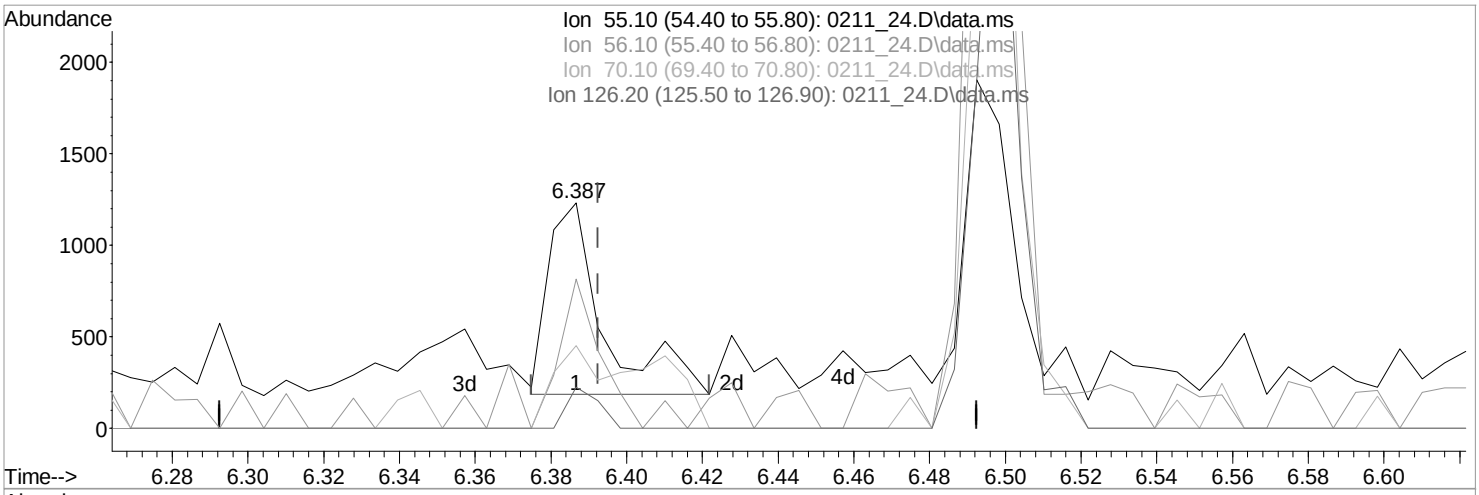
response 3575

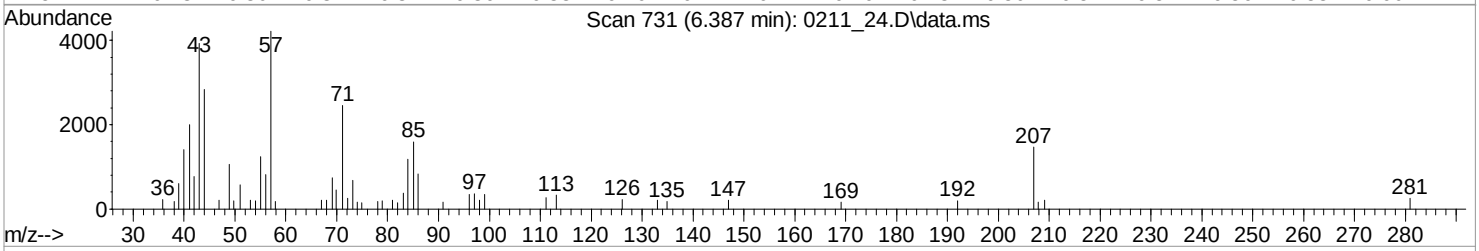
Ion	Exp%	Act%
142.10	100	100
141.10	88.70	88.20
115.10	35.10	40.92
139.10	11.50	12.48

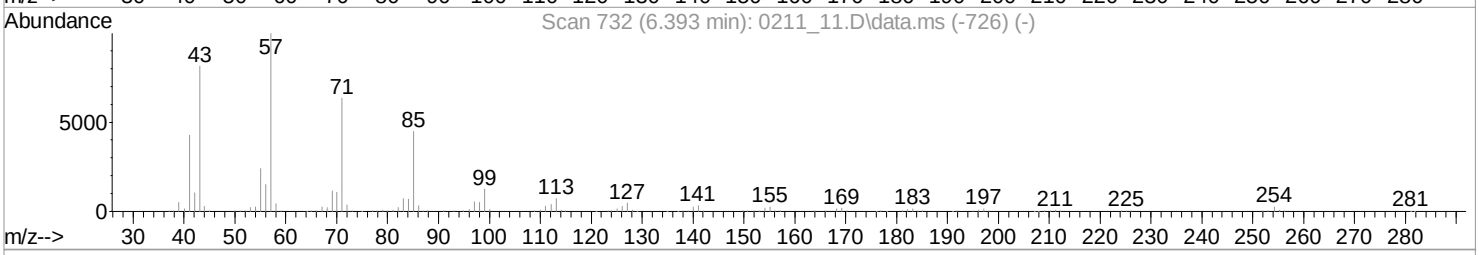
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(76) n-octadecane (T)

6.387min (-0.006) 54.8076873 ppb

Qvalue = 71

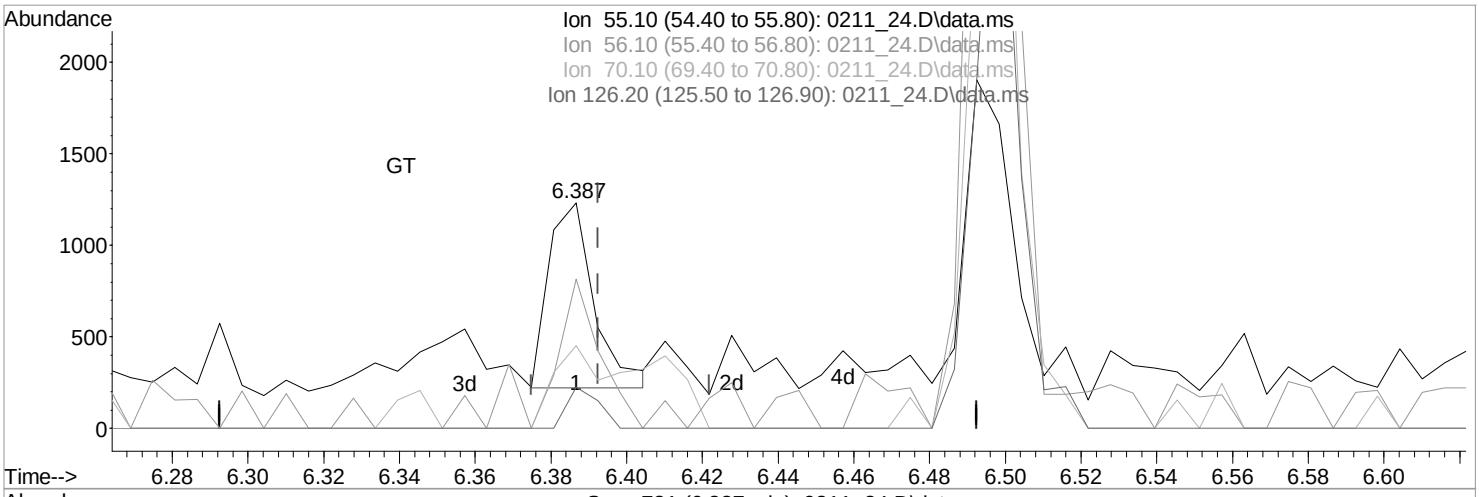
response 1062

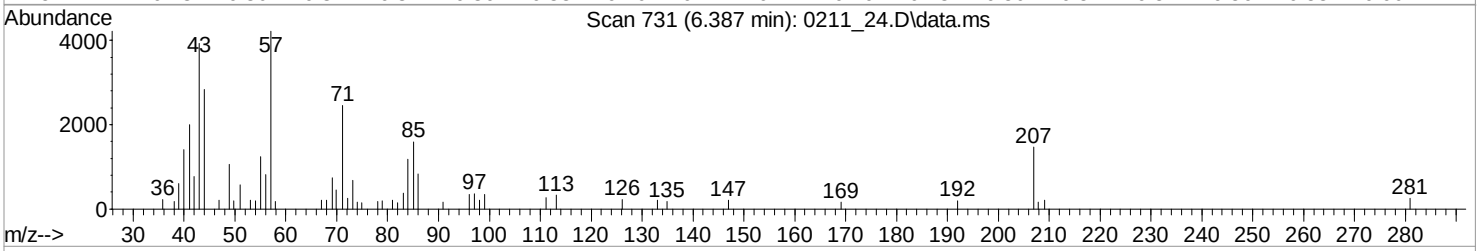
Ion	Exp%	Act%
55.10	100	100
56.10	61.50	74.86#
70.10	43.60	76.93#
126.20	11.00	12.43

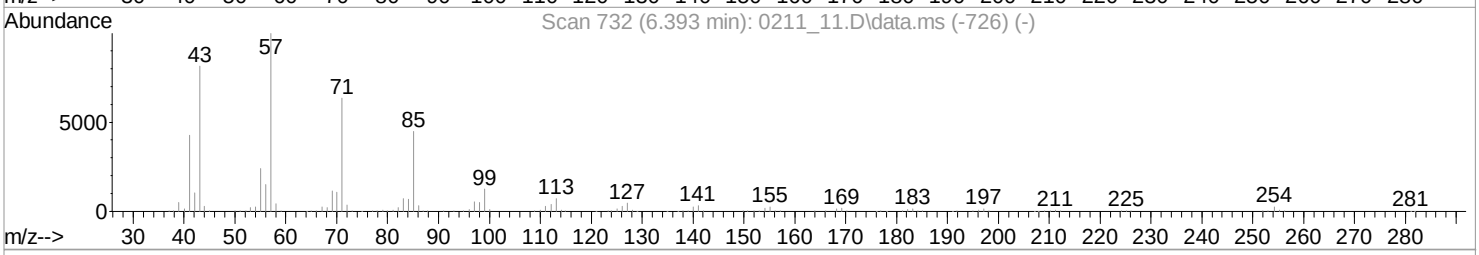
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(76) n-octadecane (T)

6.387min (-0.006) 43.9184010 ppb m

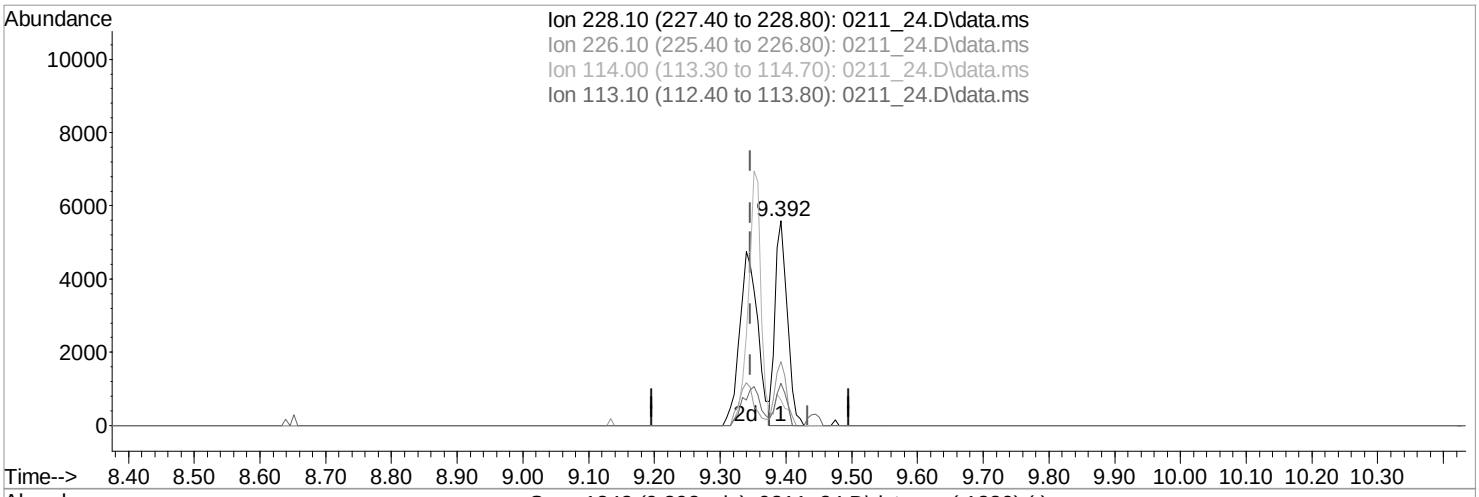
response 851

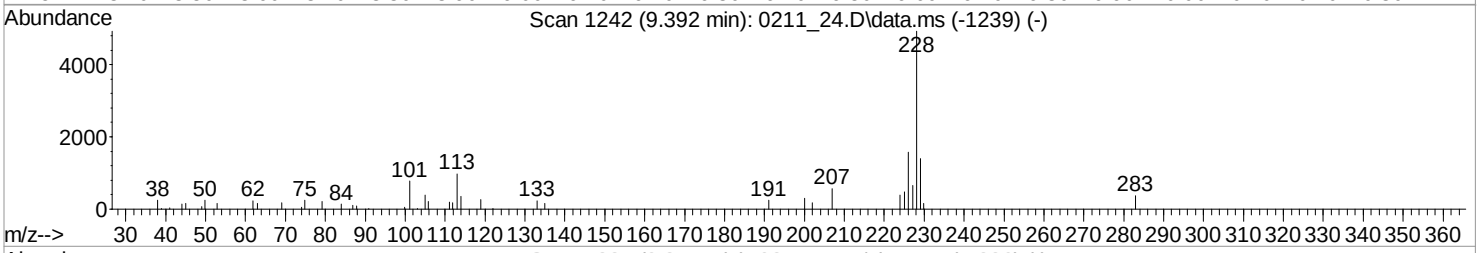
Ion	Exp%	Act%
55.10	100	100
56.10	61.50	93.42#
70.10	43.60	96.00#
126.20	11.00	15.51#

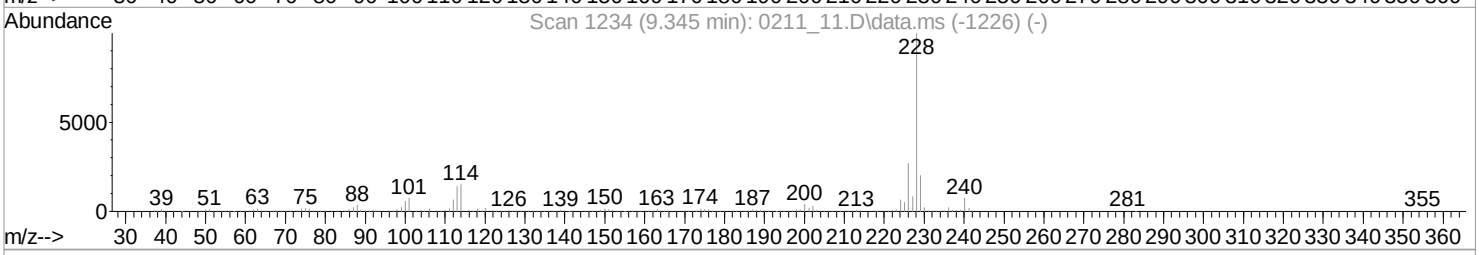
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(90) Benzo(a)anthracene (MT)

9.392min (+0.047) 46.6226939 ppb

Qvalue = 92

response 7232

Ion	Exp%	Act%
228.10	100	100
226.10	26.70	31.28
114.00	15.00	12.55
113.10	13.70	17.21

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
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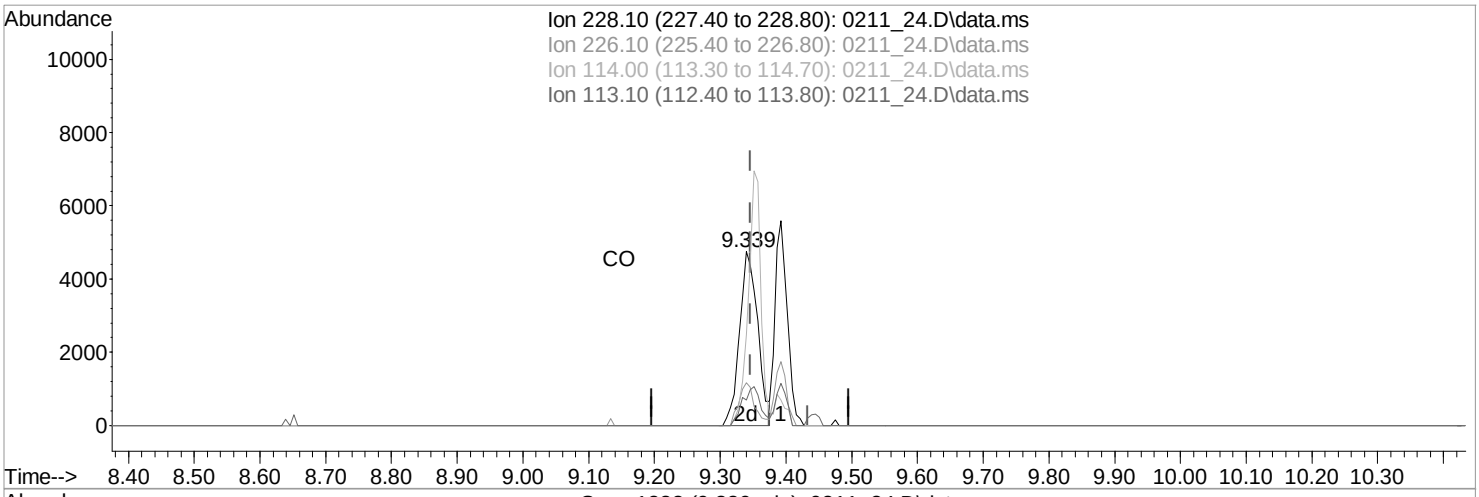
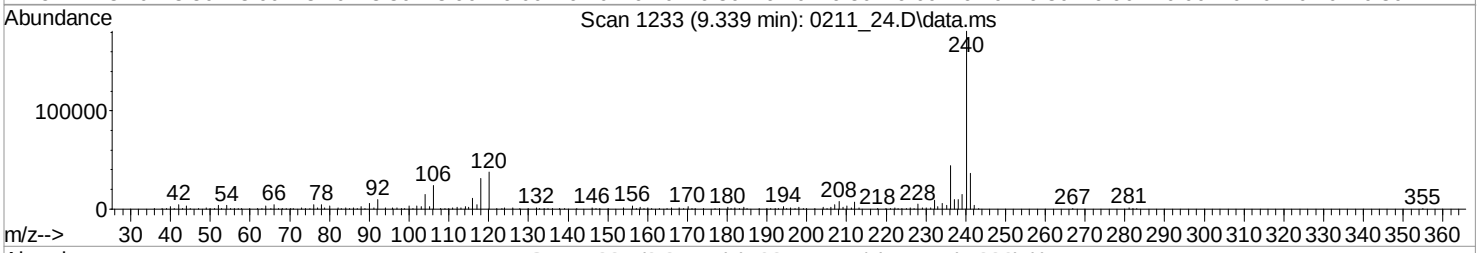
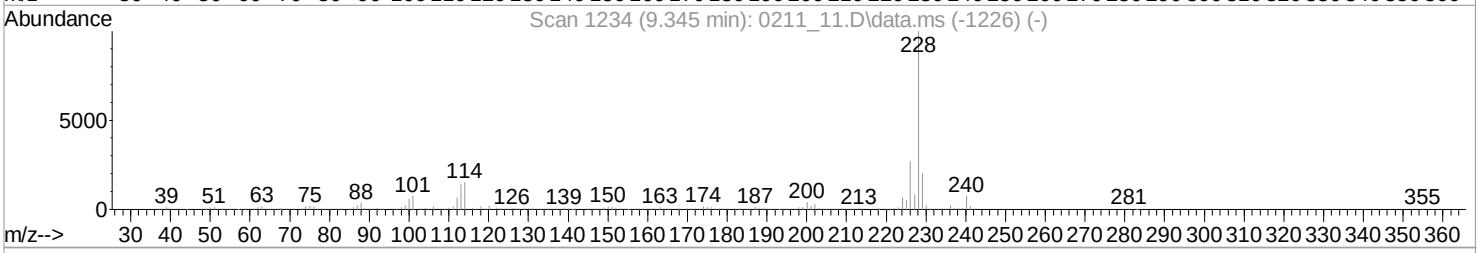
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(90) Benzo(a)anthracene (MT)

9.339min (-0.006) 58.2977075 ppb m

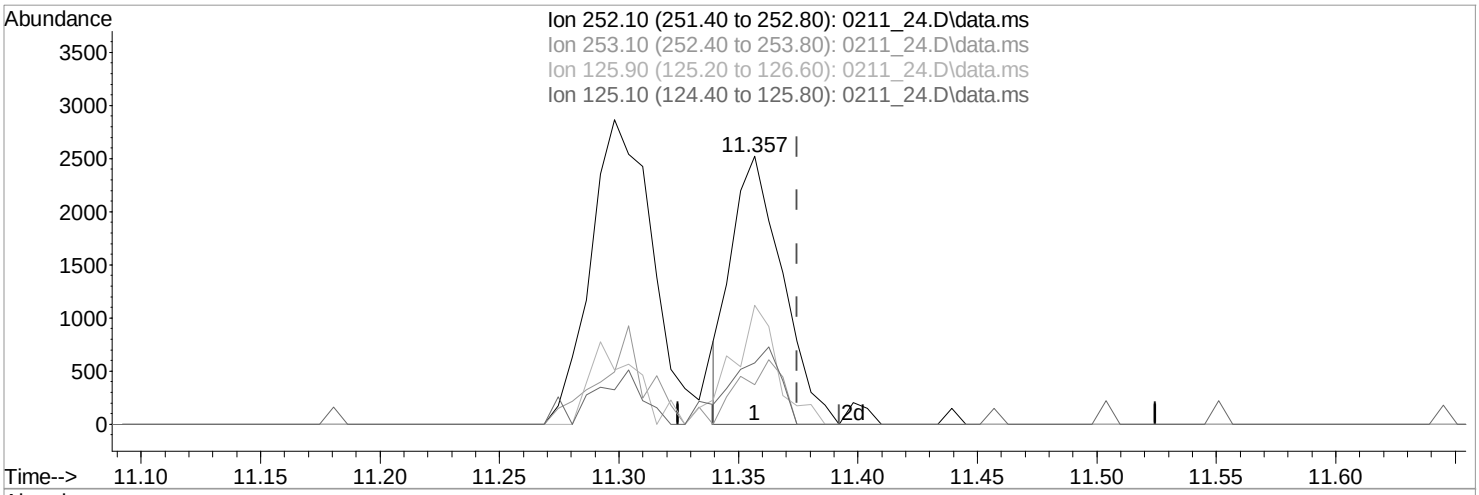
response 9043

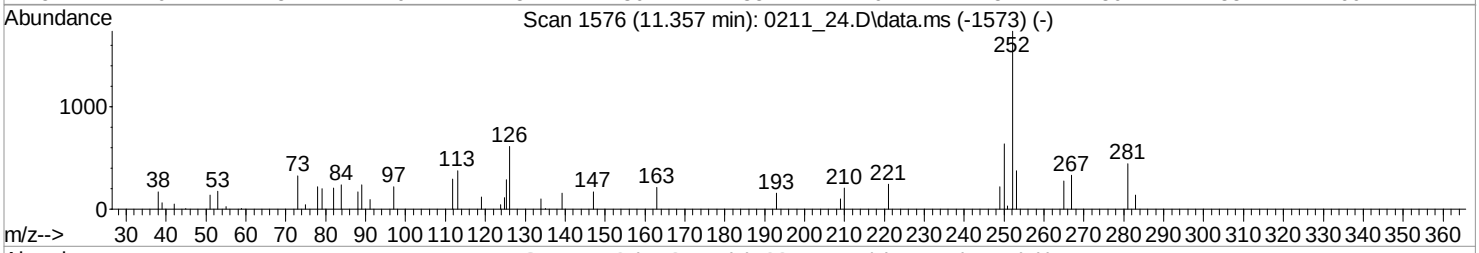
Ion	Exp%	Act%
228.10	100	100
226.10	26.70	24.69
114.00	15.00	52.10#
113.10	13.70	14.74

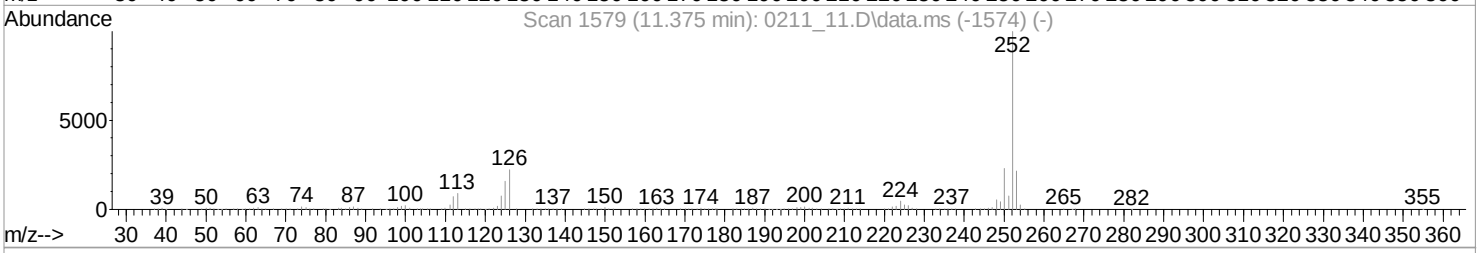
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.357min (-0.018) 27.1180181 ppb

Qvalue = 73

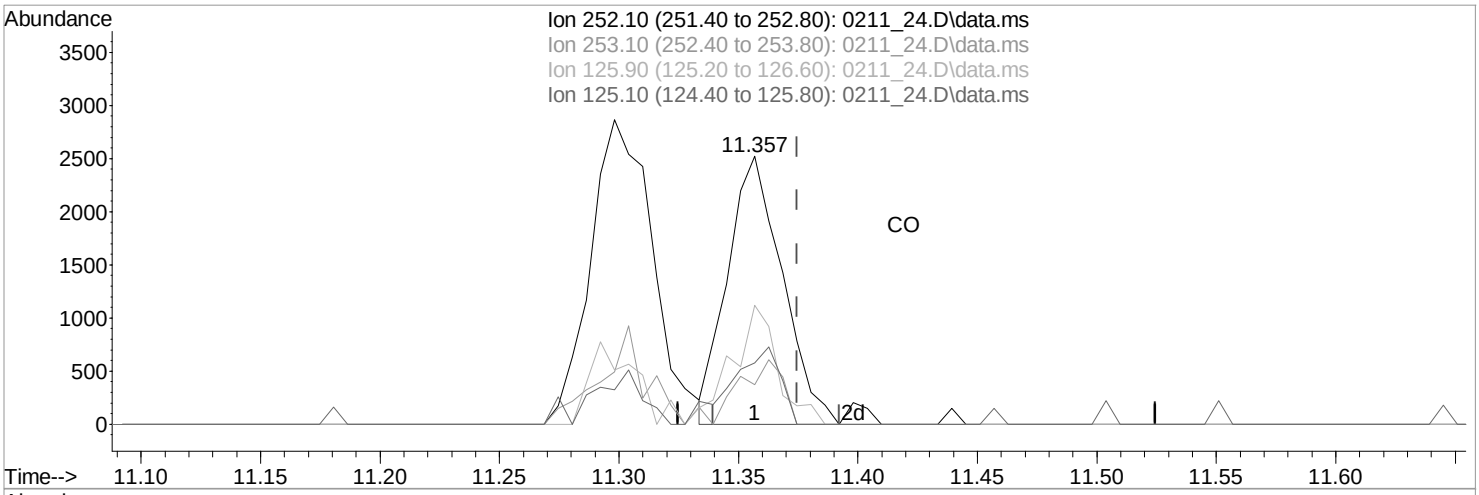
response 3754

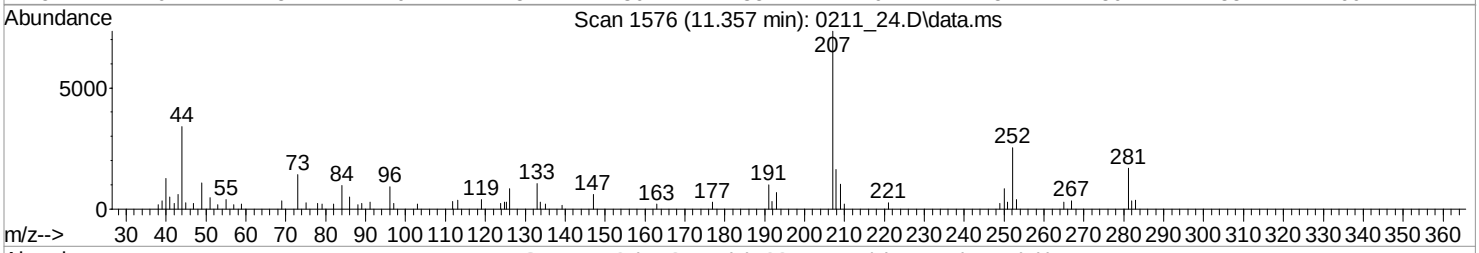
Ion	Exp%	Act%
252.10	100	100
253.10	21.70	14.83
125.90	22.10	44.45#
125.10	15.60	22.92

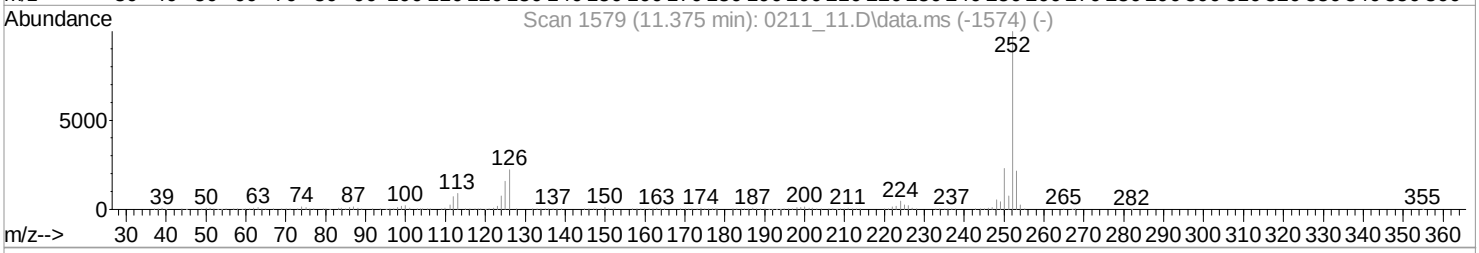
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.357min (-0.018) 29.1117776 ppb m

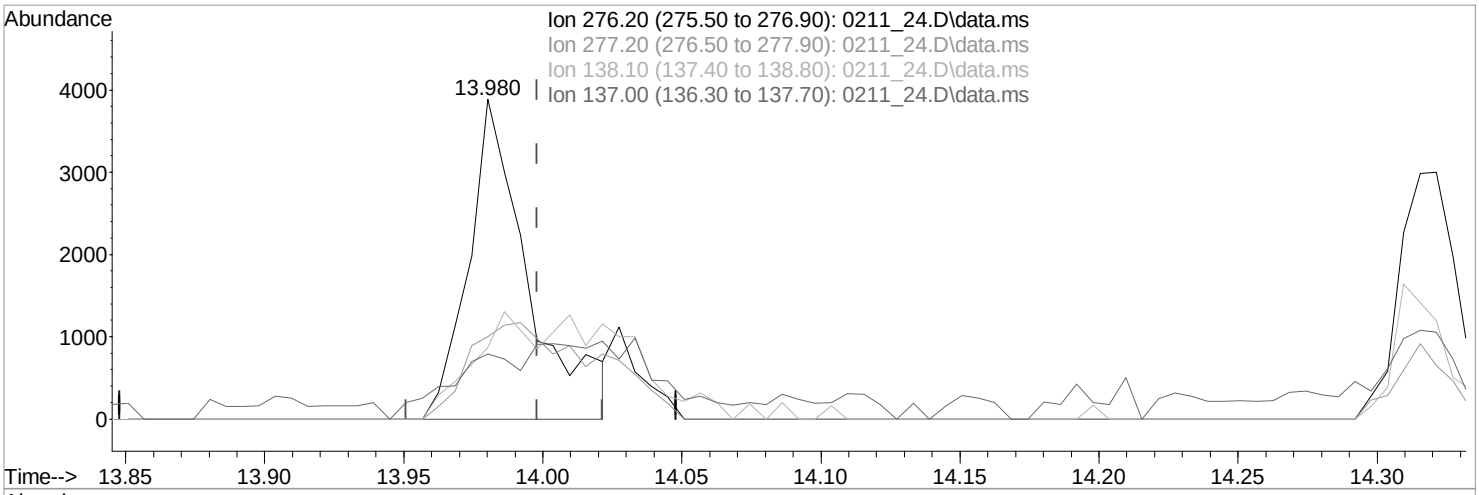
response 4030

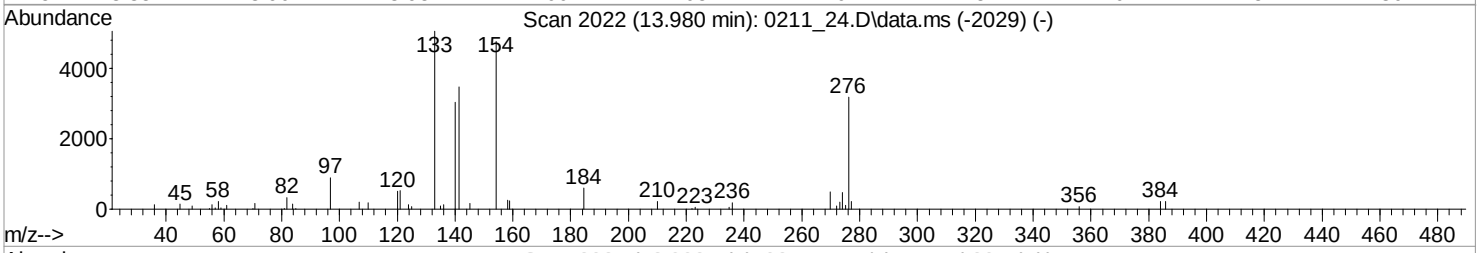
Ion	Exp%	Act%
252.10	100	100
253.10	21.70	14.83
125.90	22.10	33.11
125.10	15.60	11.58

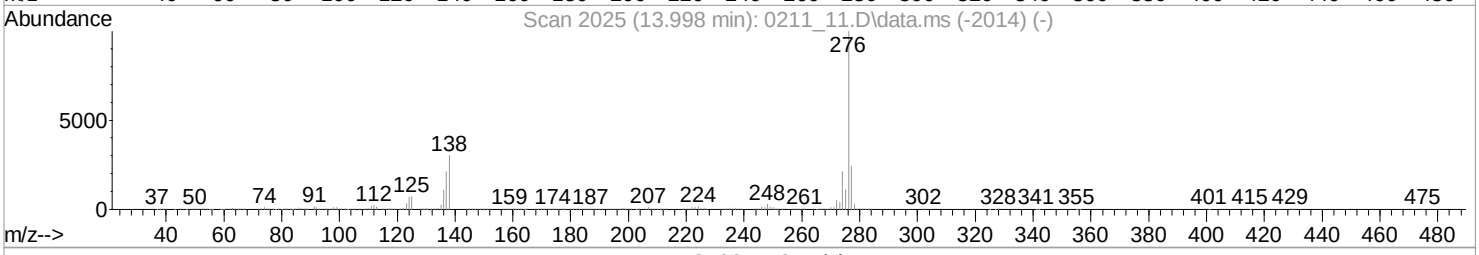
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

13.980min (-0.018) 51.9026319 ppb

Qvalue = 86

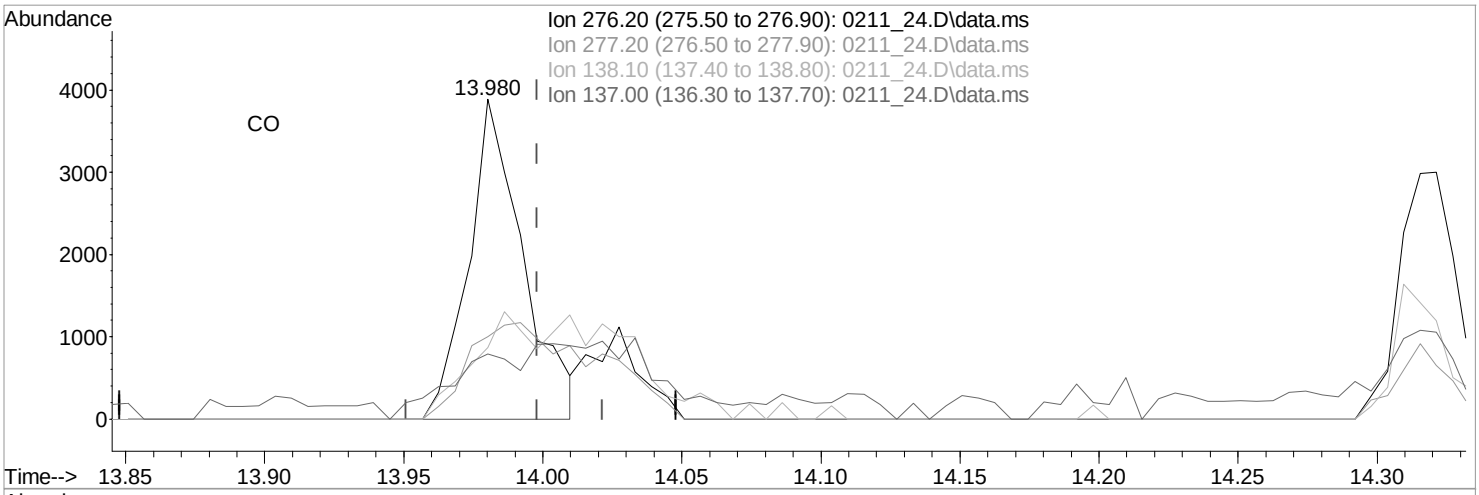
response 5796

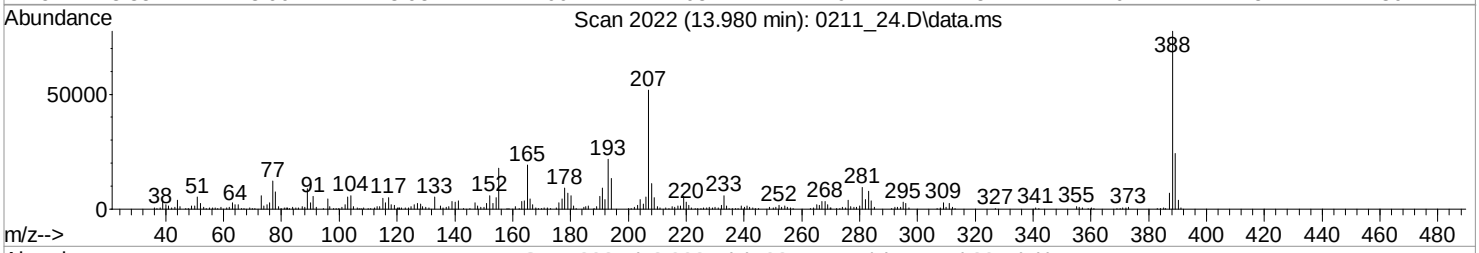
Ion	Exp%	Act%
276.20	100	100
277.20	24.10	25.78
138.10	30.00	16.83
137.00	21.20	15.13

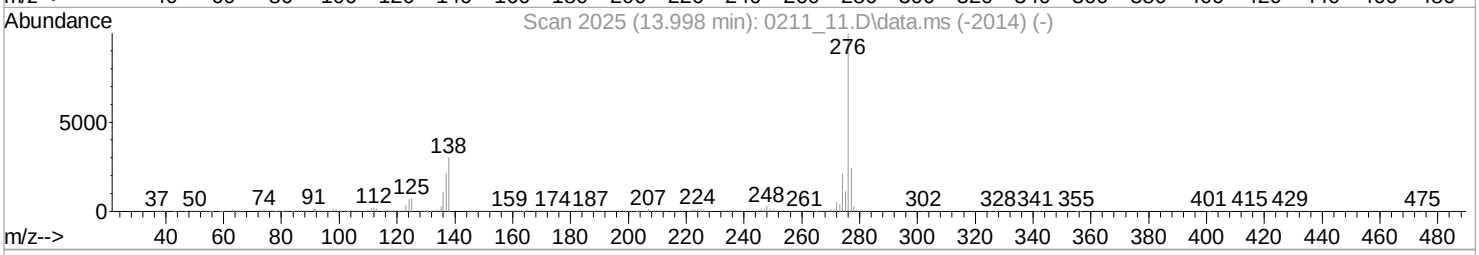
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

13.980min (-0.018) 47.2102615 ppb m

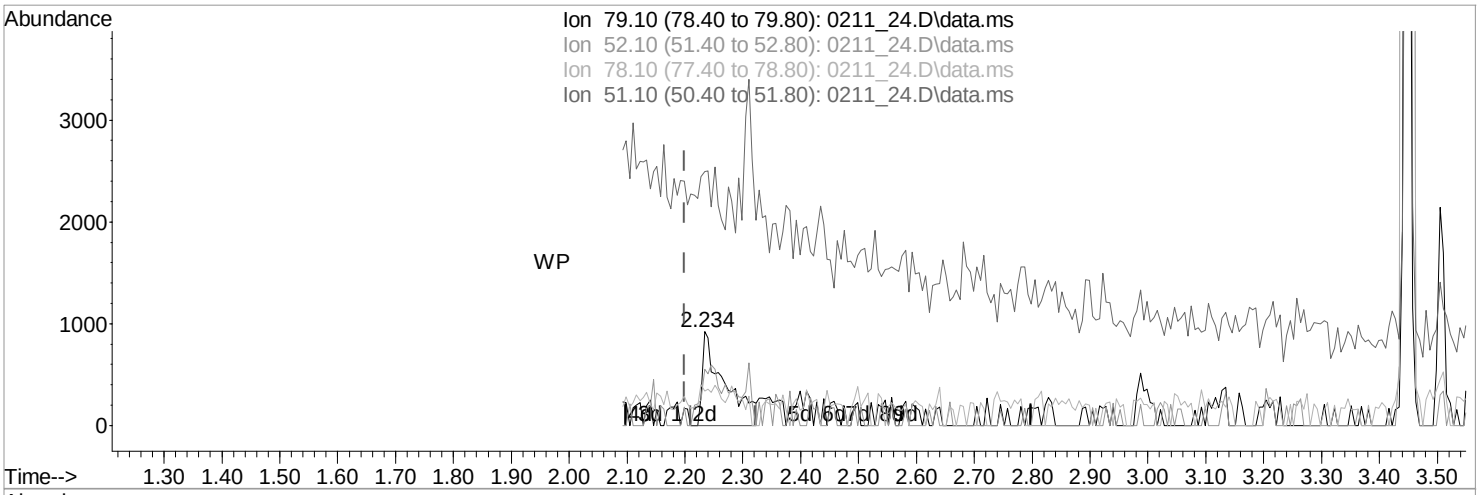
response 5272

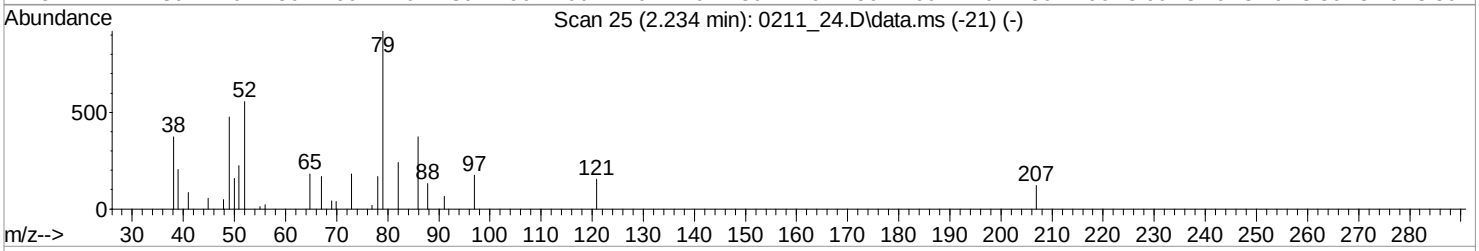
Ion	Exp%	Act%
276.20	100	100
277.20	24.10	25.78
138.10	30.00	22.41
137.00	21.20	20.28

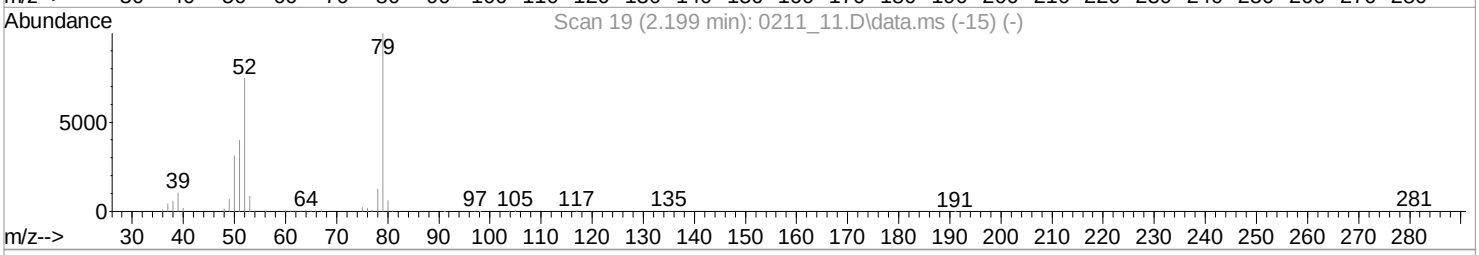
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(2) Pyridine (TM)

2.234min (+0.035) 49.3564945 ppb m

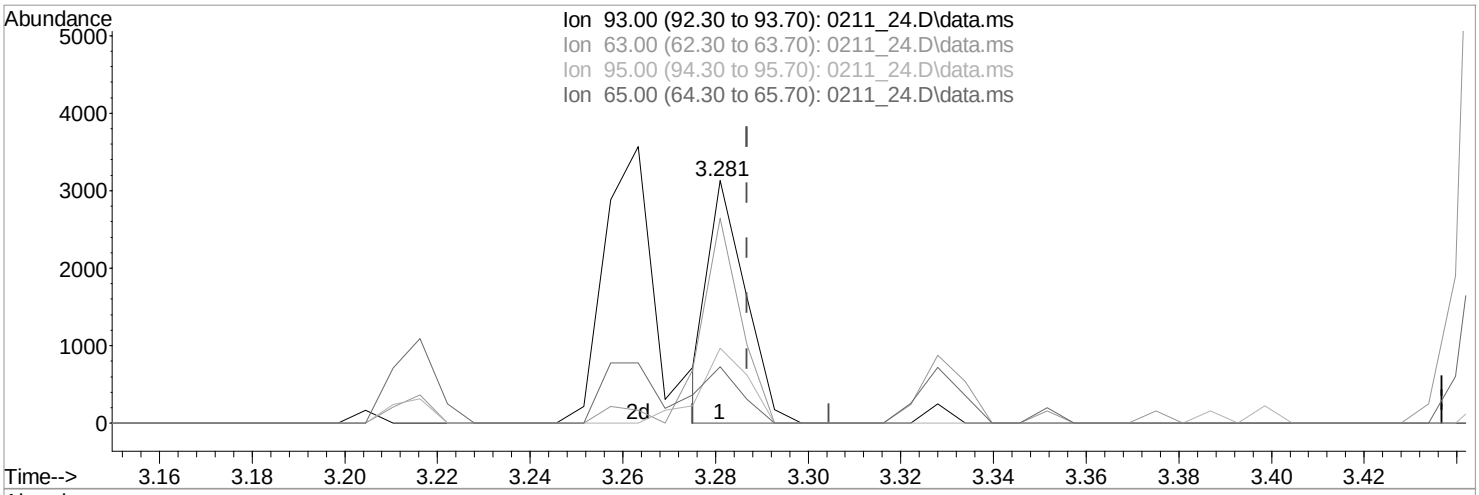
response 2457

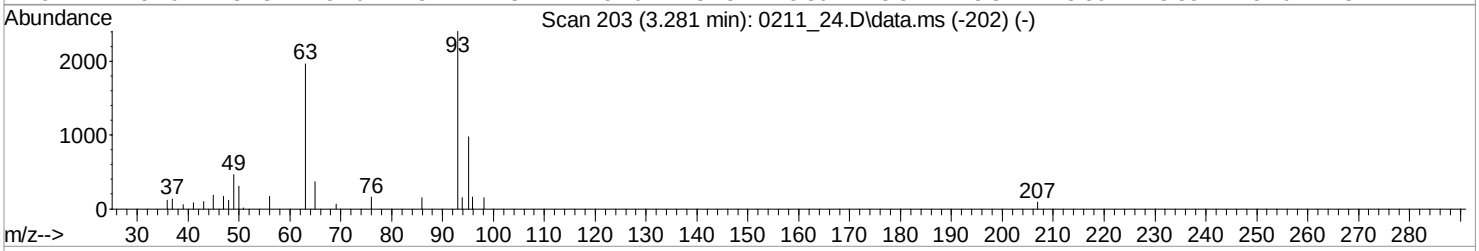
Ion	Exp%	Act%
79.10	100	100
52.10	74.60	60.09
78.10	12.60	36.44#
51.10	40.00	270.93#

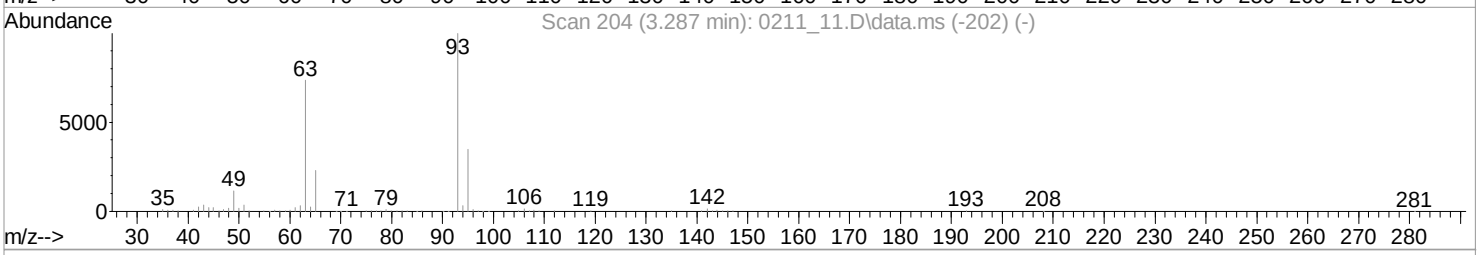
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.281min (-0.006) 37.7382044 ppb

Qvalue = 90

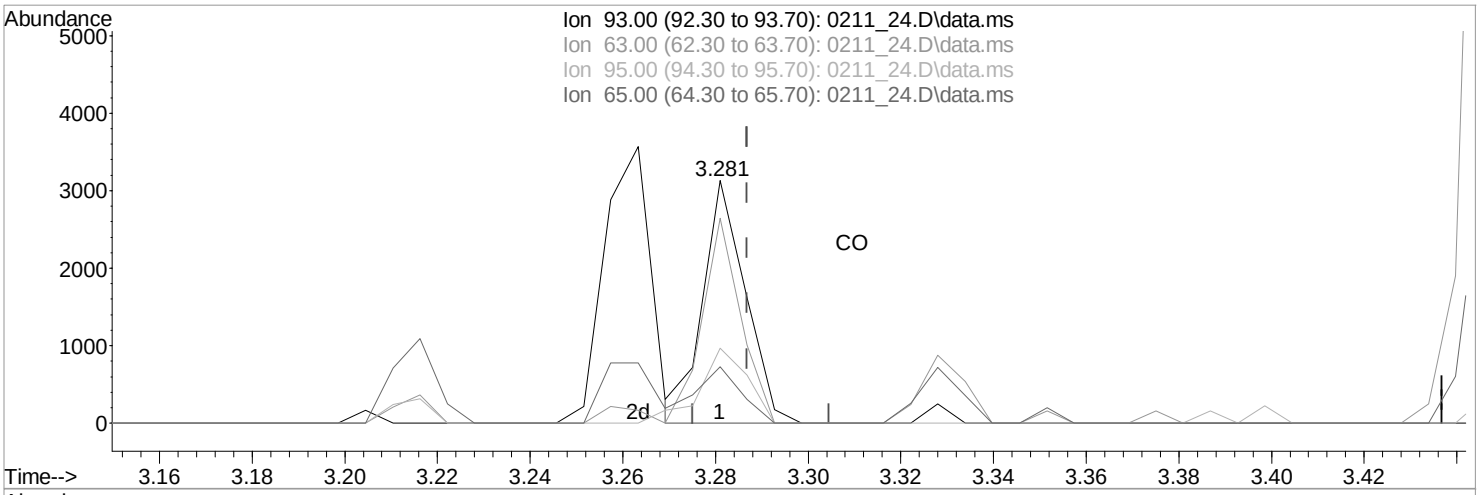
response 1738

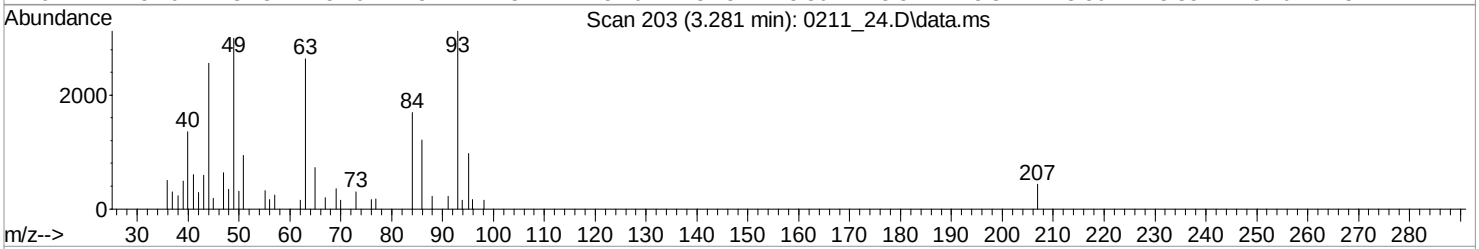
Ion	Exp%	Act%
93.00	100	100
63.00	72.00	84.51
95.00	33.70	31.01
65.00	22.90	23.32

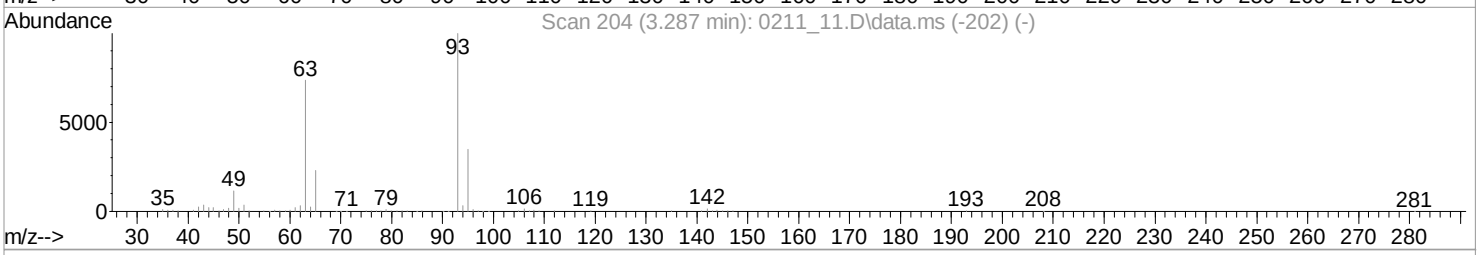
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

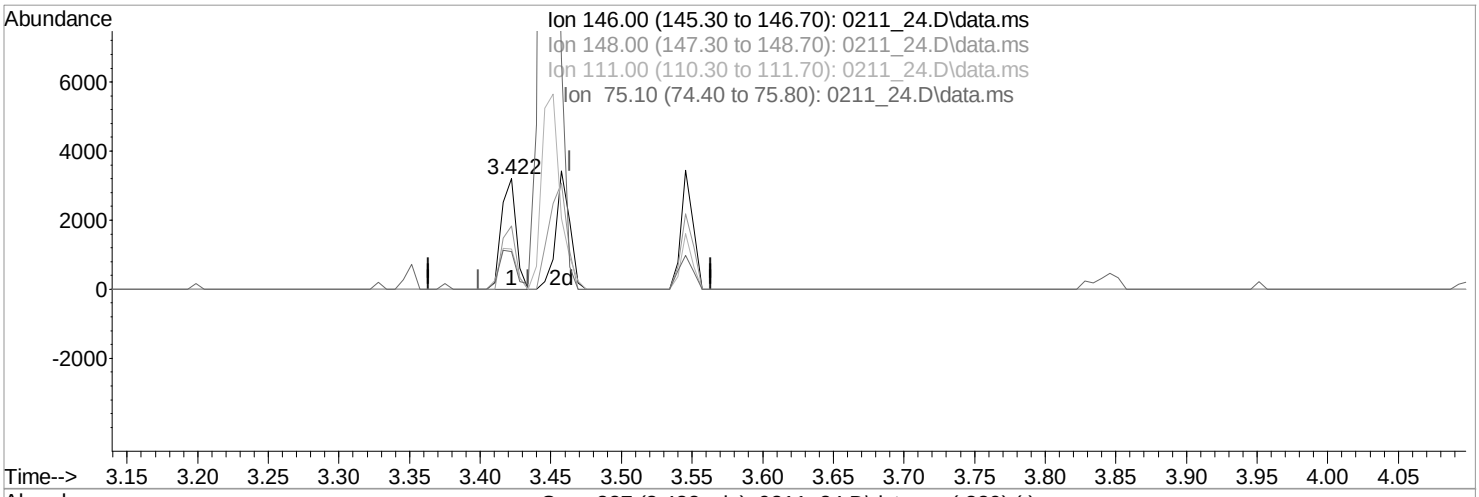
3.281min (-0.006) 43.2534541 ppb m

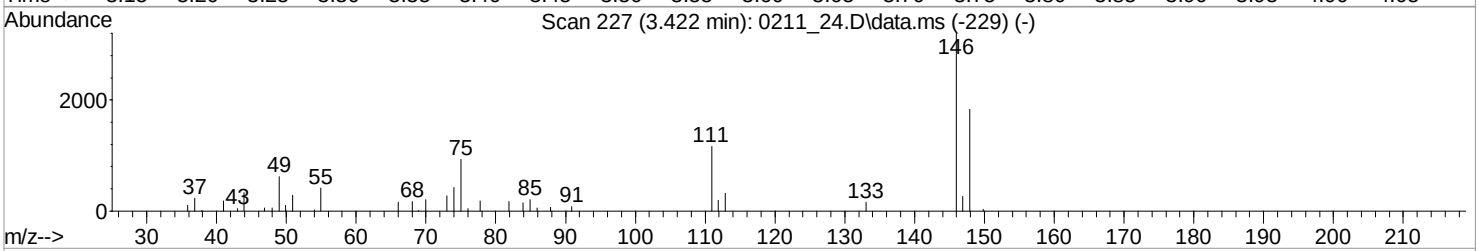
response 1992

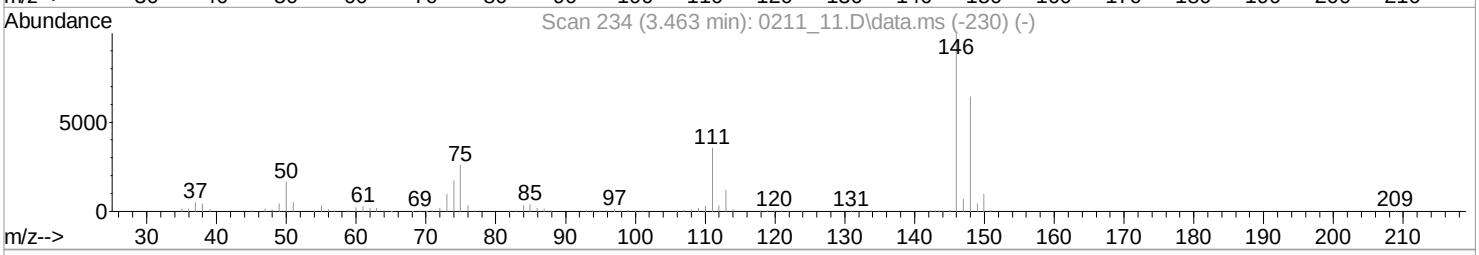
Ion	Exp%	Act%
93.00	100	100
63.00	72.00	84.51
95.00	33.70	31.01
65.00	22.90	23.32

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(13) 1,4-Dichlorobenzene (MTC)

3.422min (-0.041) 40.7922865 ppb

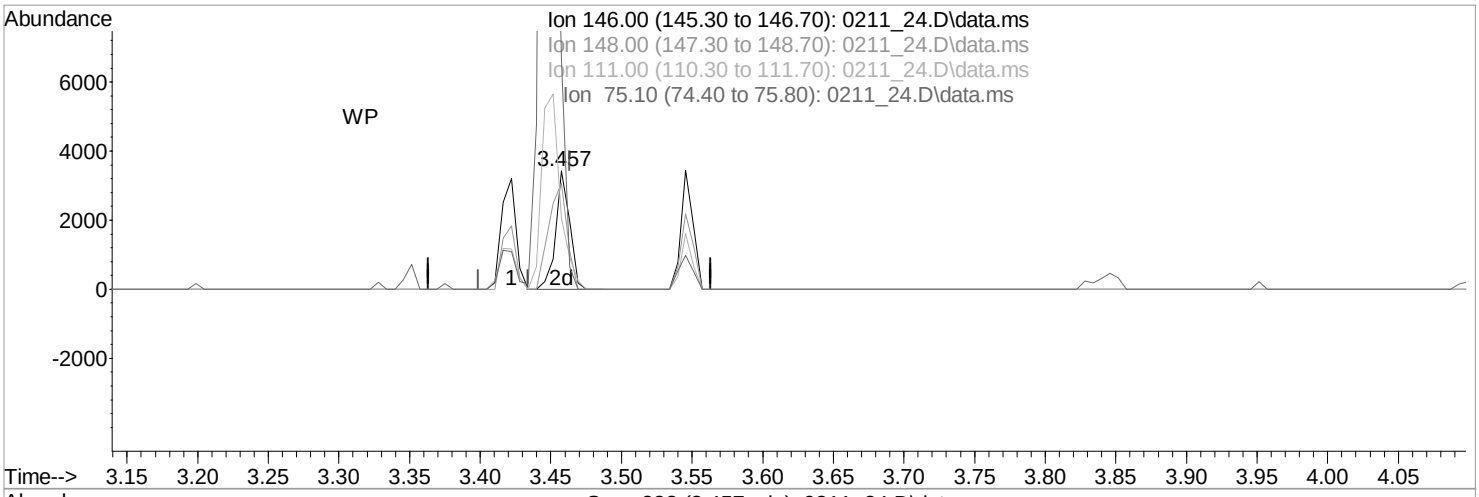
Qvalue = 92

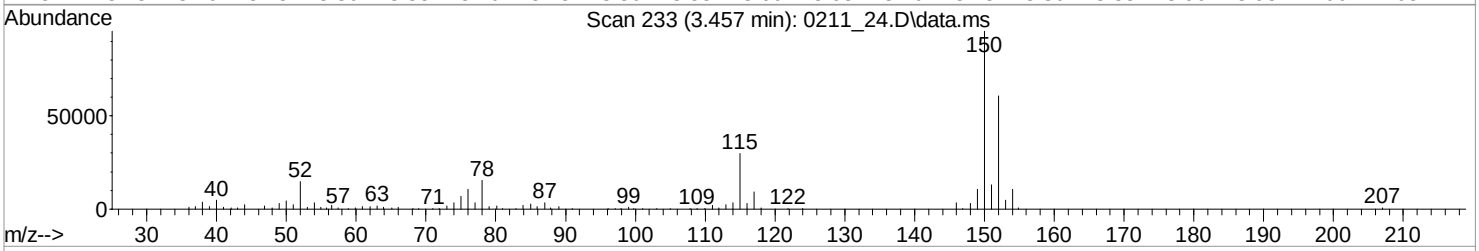
response 2312

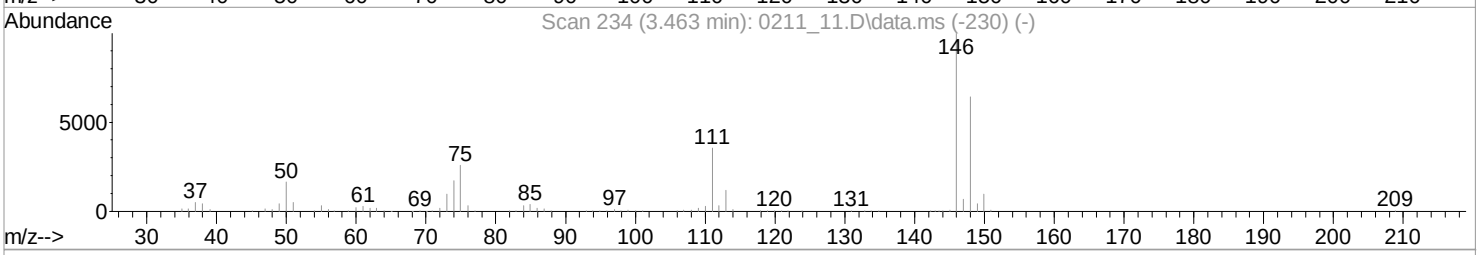
Ion	Exp%	Act%
146.00	100	100
148.00	64.10	56.89
111.00	35.40	36.28
75.10	26.00	34.10

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(13) 1,4-Dichlorobenzene (MTC)

3.457min (-0.006) 41.5156791 ppb m

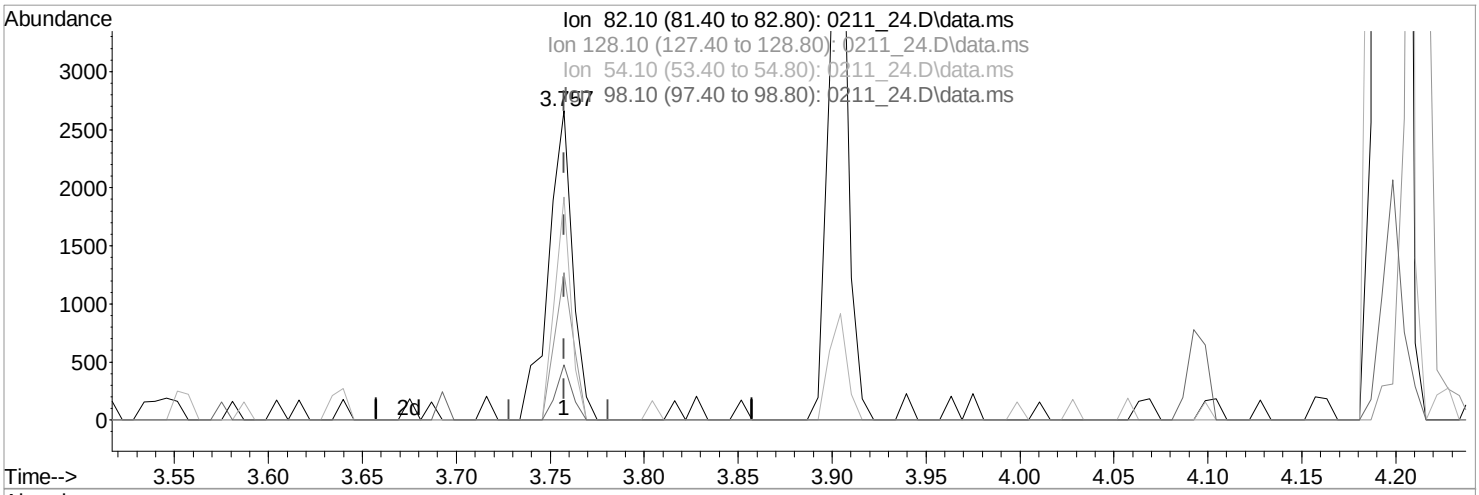
response 2353

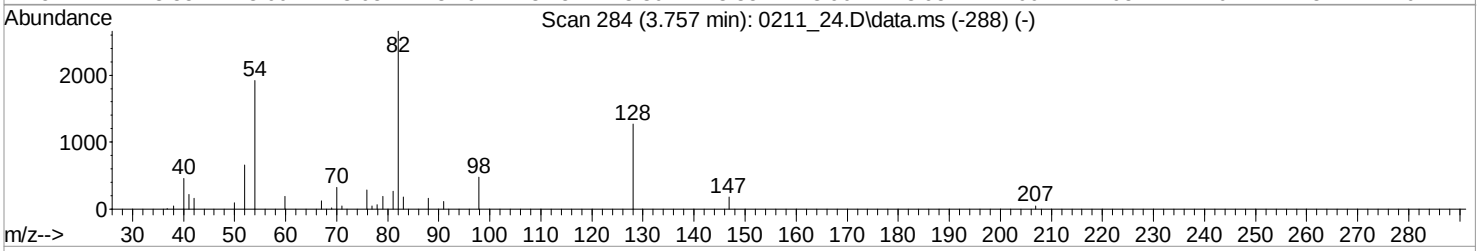
Ion	Exp%	Act%
146.00	100	100
148.00	64.10	89.74#
111.00	35.40	59.94#
75.10	26.00	195.18#

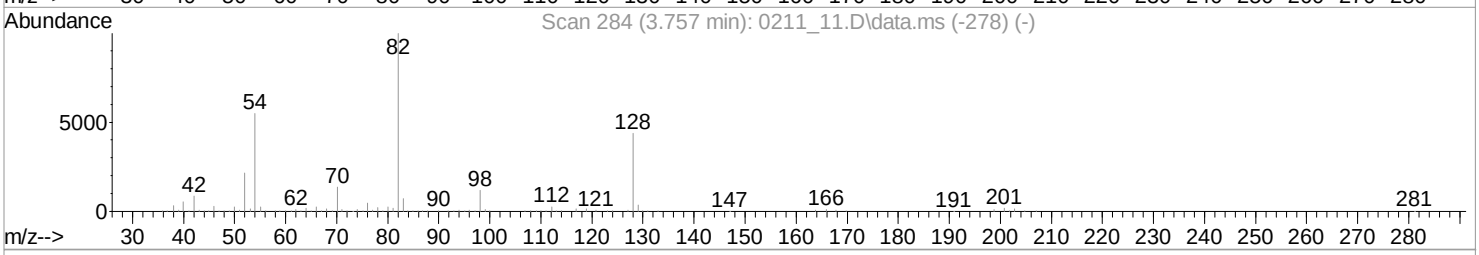
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(24) Nitrobenzene-d5 (S)

3.757min (-0.000) 43.4832803 ppb

Qvalue = 84

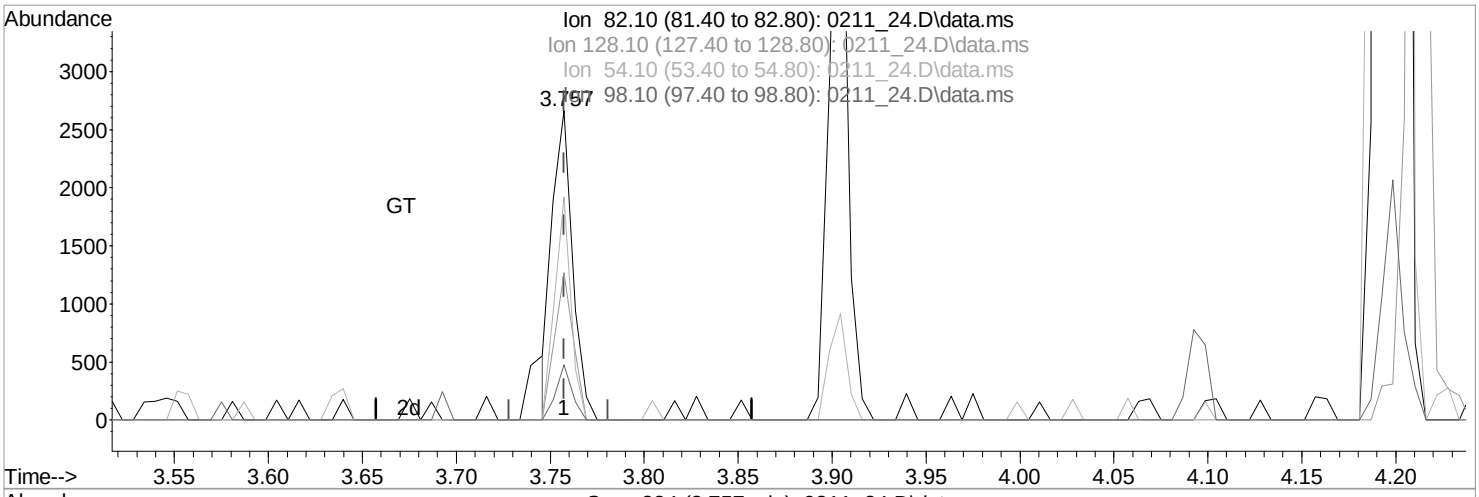
response 2369

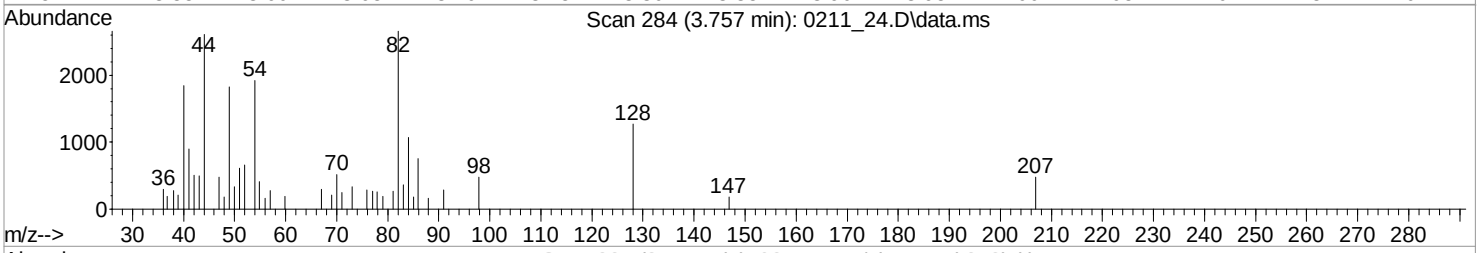
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	47.63
54.10	54.80	72.09
98.10	11.60	17.77

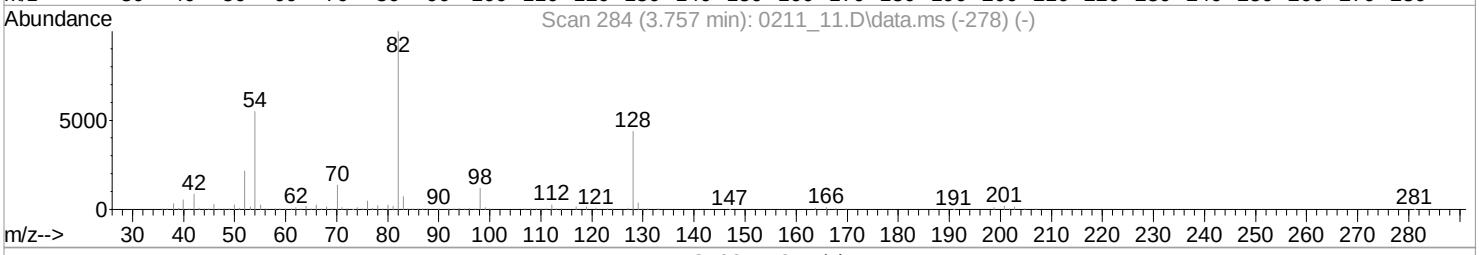
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(24) Nitrobenzene-d5 (S)

3.757min (-0.000) 36.8570818 ppb m

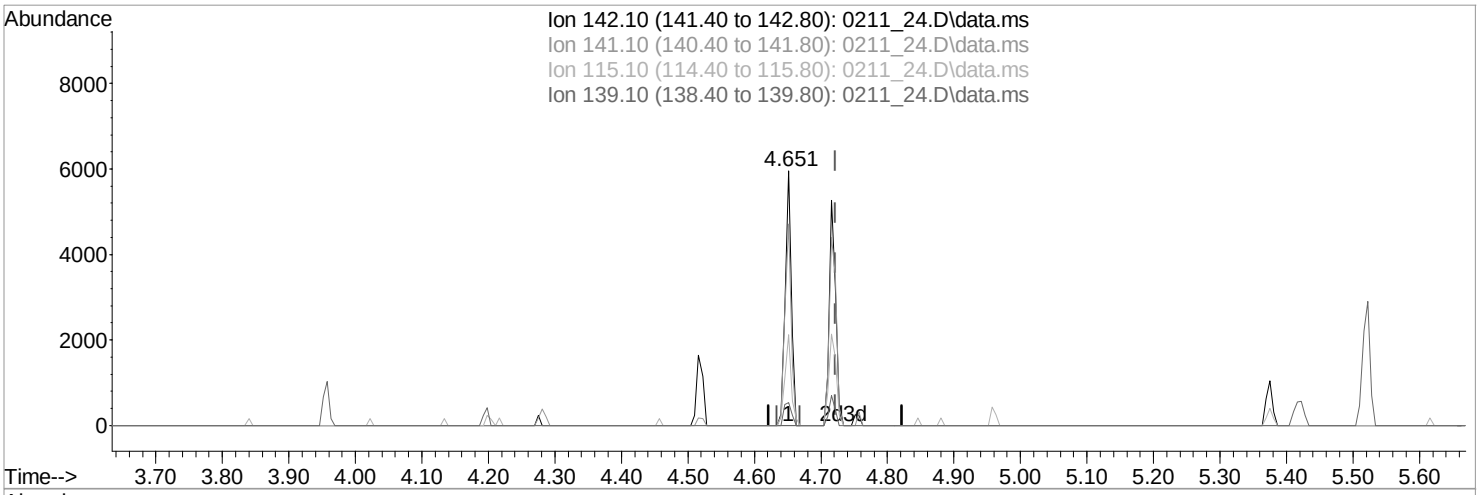
response 2008

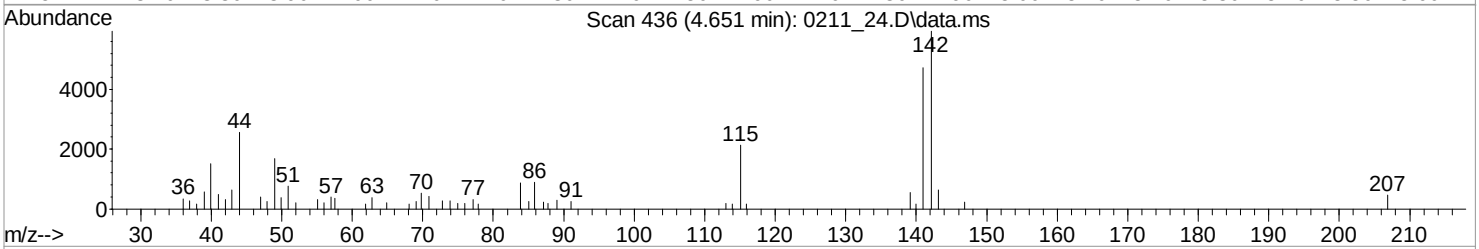
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	47.63
54.10	54.80	72.09
98.10	11.60	17.77

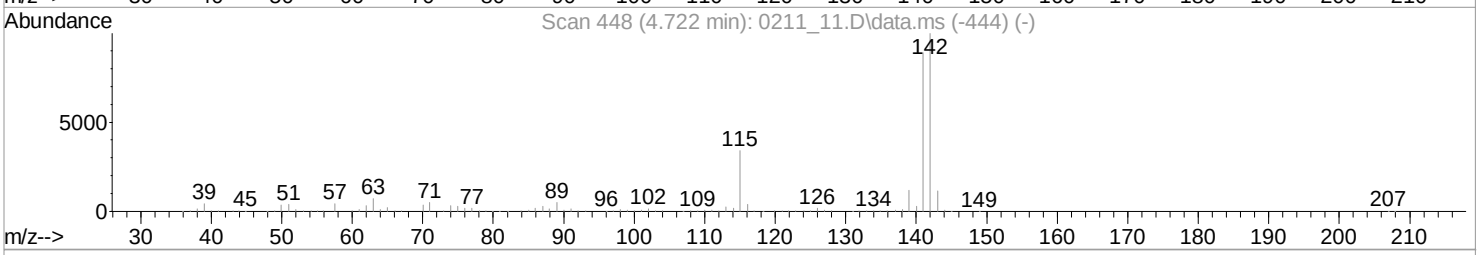
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 24.D
Acq On : 11 Feb 2022 5:52 pm
Operator : 917
Sample : STD SVMS 40 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 23 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 12 11:29:12 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:50:05 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_24.D\data.ms

(42) 1-Methylnaphthalene (MT)

4.651min (-0.071) 40.6466216 ppb

Qvalue = 93

response 3897

Ion	Exp%	Act%
142.10	100	100
141.10	88.70	80.91
115.10	35.10	37.54
139.10	11.50	11.44

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:20:39 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.452	152	348934	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.199	136	1416324	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	775204	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1385143	8000.0000000	ppb		0.00
84) Chrysene-d12	9.363	240	1159053	8000.0000000	ppb		0.00
94) Perylene-d12	12.098	264	1076204	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.757	112	10296	204.1439587	ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 5.10%#				
7) Phenol-d5	3.210	99	13030	205.4648465	ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 5.14%#				
24) Nitrobenzene-d5	3.757	82	12753	198.1741540	ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 9.91%#				
50) 2-Fluorobiphenyl	4.887	172	24835	215.1722952	ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 10.76%#				
73) 2,4,6-Tribromophenol	5.951	330	2187	158.6791750	ppb		0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 3.97%#				
87) p-Terphenyl-d14	7.928	244	30300	221.4215330	ppb		0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 11.07%#				
Target Compounds							Qvalue
2) Pyridine	2.210	79	11314m	205.0391633	ppb		
3) N-Nitrosodimethylamine	2.169	42	6026m	192.5747443	ppb		
5) Aniline	3.263	66	6522	212.3998960	ppb		90
6) bis(2-Chloroethyl)ether	3.281	93	10715	204.3017059	ppb		97
8) Phenol	3.216	94	13086	192.4095495	ppb		95
10) 2-Chlorophenol	3.328	128	10723	186.2107932	ppb		88
11) n-Decane	3.340	41	8195	239.5314900	ppb	#	88
12) 1,3-Dichlorobenzene	3.422	146	12828	213.0187622	ppb		93
13) 1,4-Dichlorobenzene	3.457	146	13198m	211.4869164	ppb		
14) Benzyl Alcohol	3.505	79	9166	203.4942184	ppb		99
15) 1,2-Dichlorobenzene	3.546	146	12103	205.1473631	ppb		98
16) bis(2-Chloroisopropyl)...	3.581	121	4073	207.2170120	ppb	#	68
17) 2,2-oxybis(1-chloropro...	3.581	121	4073	207.2170120	ppb	#	68
18) 2-Methylphenol	3.557	108	9925	197.3773179	ppb		97
19) Hexachloroethane	3.746	117	4946	202.7118171	ppb		94
20) N-Nitrosodi-n-propylamine	3.657	70	7673	191.7909327	ppb		97
21) 3&4-Methyl phenol	3.640	107	11498	200.4054623	ppb		96
25) Nitrobenzene	3.769	77	11263	196.4311791	ppb		97
26) Isophorone	3.905	82	19651	181.4564157	ppb		93
27) 2-Nitrophenol	3.957	139	4226	144.4188295	ppb	#	73
28) 2,4-Dimethylphenol	3.957	107	10829	194.3991193	ppb		93
29) bis(2-Chlorethoxy)methane	4.022	93	13483	208.3654399	ppb		92
30) 2,4-Dichlorophenol	4.099	162	8661	195.4359577	ppb		92
32) 1,2,4-Trichlorobenzene	4.157	180	9798	207.7430588	ppb		98
34) Naphthalene	4.210	128	36609m	187.4913766	ppb		
35) 4-Chloroaniline	4.228	65	4460	214.3364956	ppb		83
36) Hexachloro-1,3-butadiene	4.281	225	4819	194.2929954	ppb		91
40) 4-Chloro-3-methylphenol	4.516	107	9462	198.1778618	ppb		93
41) 2-Methylnaphthalene	4.652	142	22648	189.8711878	ppb		98
42) 1-Methylnaphthalene	4.716	142	21272	181.3944604	ppb		96

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

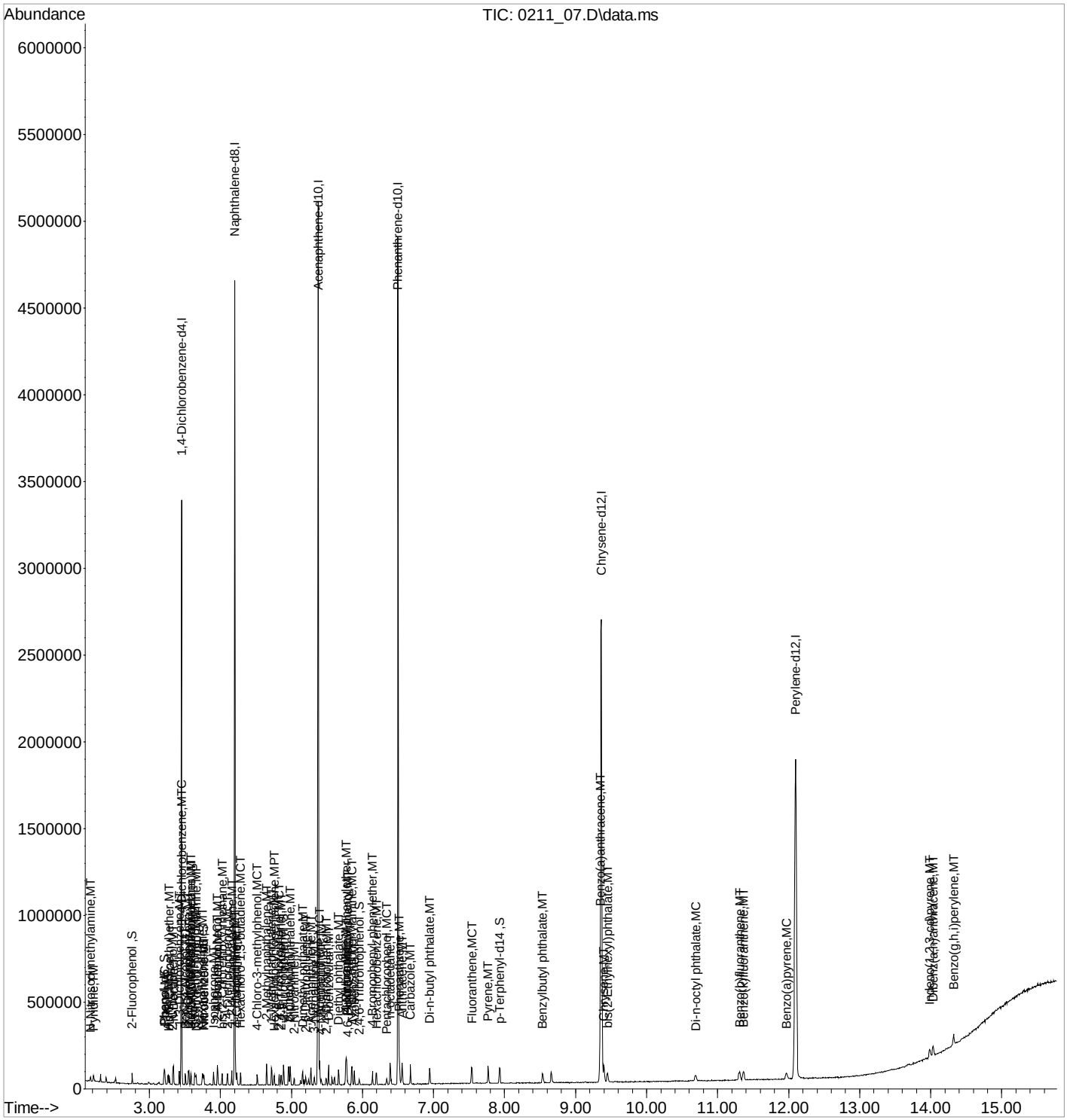
Quant Time: Feb 11 15:20:39 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.757	237	5737	181.0109797 ppb		93
48)	2,4,6-Trichlorophenol	4.828	196	5087	168.2263915 ppb		97
49)	2,4,5-Trichlorophenol	4.851	196	5941	177.6804906 ppb		95
51)	Biphenyl	4.963	154	28770	214.8205775 ppb		100
52)	2-Chloronaphthalene	4.981	162	22246	189.2521917 ppb		97
53)	2-Nitroaniline	5.034	138	5133	140.6163423 ppb	#	88
54)	Acenaphthylene	5.275	152	31521	179.5484097 ppb		99
55)	Dimethyl phthalate	5.157	163	23439	196.6063408 ppb		95
56)	2,6-Dinitrotoluene	5.199	165	3964	141.7789034 ppb	#	83
57)	3-Nitroaniline	5.322	138	4441	134.7984247 ppb		87
58)	Acenaphthene	5.399	153	22990	176.1823227 ppb		97
60)	Dibenzofuran	5.522	168	31443	216.4274269 ppb		99
61)	2,4-Dinitrotoluene	5.493	165	4869	134.3576611 ppb		88
63)	4-Nitrophenol	5.416	139	3885	147.6973622 ppb		90
64)	Fluorene	5.775	166	25653	182.4217176 ppb		98
65)	4-Chlorophenyl-phenyle...	5.769	204	10951	201.6917853 ppb		93
66)	Diethyl phthalate	5.663	149	24044	192.3806345 ppb		98
67)	4-Nitroaniline	5.769	138	4559	124.6399692 ppb	#	78
68)	Azobenzene	5.887	77	23453	179.6243458 ppb		96
71)	4,6-Dinitro-2-methylph...	5.793	198	1803	105.8572199 ppb		84
72)	N-Nitrosodiphenylamine	5.851	169	21049	196.1415325 ppb		99
74)	4-Bromophenyl-phenylether	6.140	248	5846	196.8361467 ppb		87
75)	Hexachlorobenzene	6.198	284	7108	215.0636987 ppb		96
76)	n-octadecane	6.387	55	4810	228.9411521 ppb	#	84
77)	Pentachlorophenol	6.340	266	2326	124.1192104 ppb	#	87
78)	Phenanthrene	6.516	178	39605	170.5263874 ppb		95
79)	Anthracene	6.557	178	36885	172.3794791 ppb		97
80)	Carbazole	6.675	167	35004	202.1370545 ppb		99
81)	Di-n-butyl phthalate	6.945	149	36772	173.5437552 ppb		99
83)	Fluoranthene	7.540	202	36300	164.4643571 ppb		97
86)	Pyrene	7.769	202	38772	170.9094408 ppb		98
88)	Benzylbutyl phthalate	8.534	149	13098	150.7555443 ppb		94
90)	Benzo(a)anthracene	9.345	228	35328	150.3899423 ppb		92
91)	Chrysene	9.398	228	41130	161.5755704 ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.451	149	18472	151.0909439 ppb		98
93)	Di-n-octyl phthalate	10.692	149	27846	144.8365081 ppb		98
95)	Benzo(b)fluoranthene	11.310	252	30150	166.2619220 ppb		97
96)	Benzo(k)fluoranthene	11.363	252	30240m	168.0077298 ppb		
97)	Benzo(a)pyrene	11.969	252	22491	159.4679773 ppb		95
98)	Indeno(1,2,3-cd)pyrene	13.986	276	23048	159.1387691 ppb		97
99)	Dibenz(a,h)anthracene	14.033	278	26220	162.8934133 ppb		98
100)	Benzo(g,h,i)perylene	14.321	276	28582	170.4424127 ppb		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

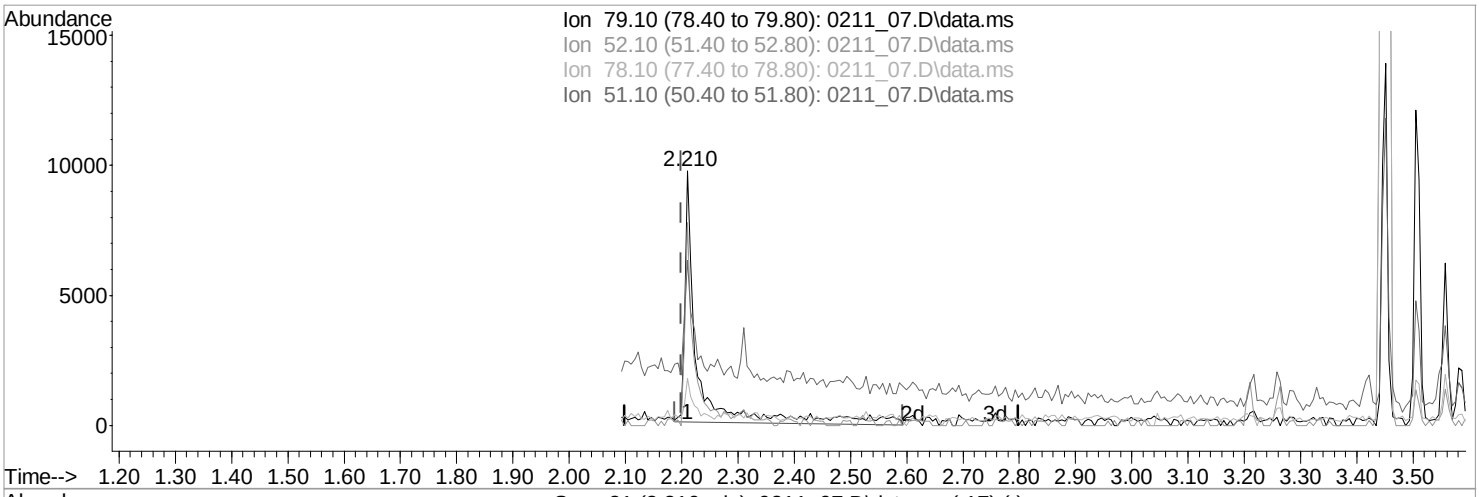
Quant Time: Feb 11 15:20:39 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

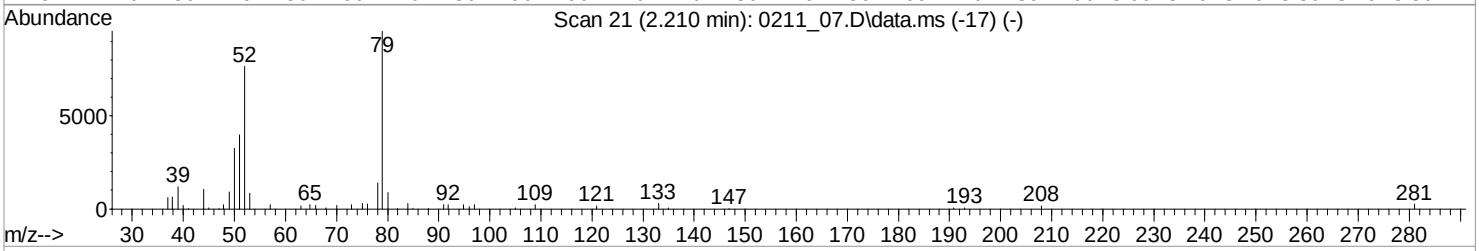


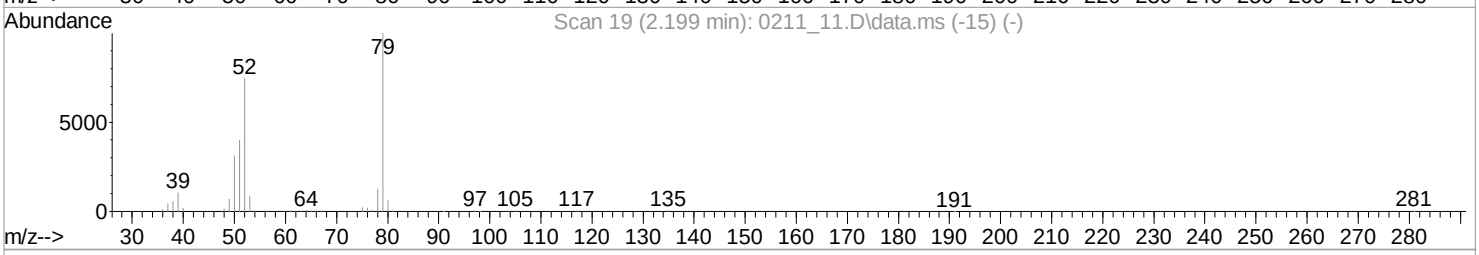
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:13:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_07.D\data.ms

(2) Pyridine (TM)

2.210min (+0.012) 275.3186290 ppb

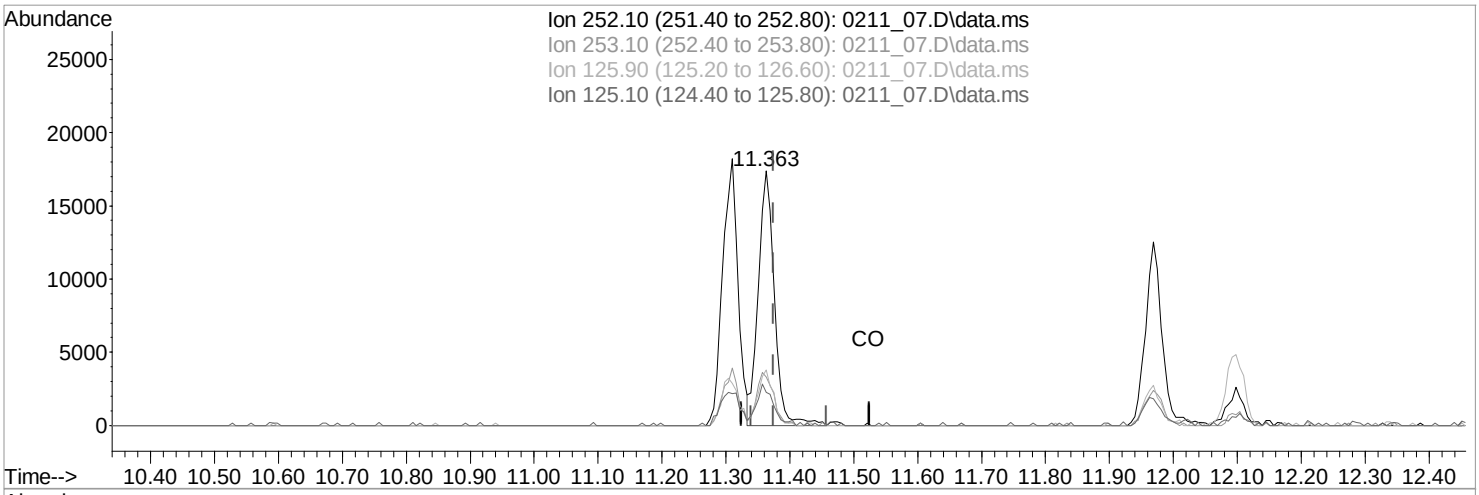
Qvalue = 89

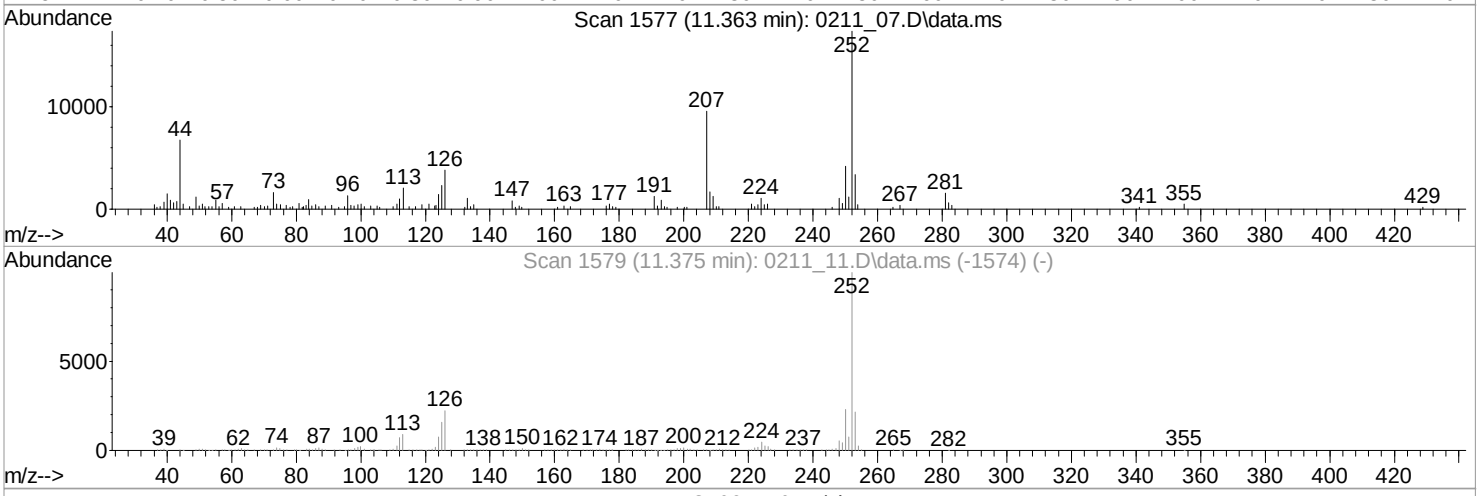
response 15192

Ion	Exp%	Act%
79.10	100	100
52.10	74.60	80.98
78.10	12.60	17.04#
51.10	40.00	50.06#

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:13:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_07.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.363min (-0.012) 168.0077298 ppb m

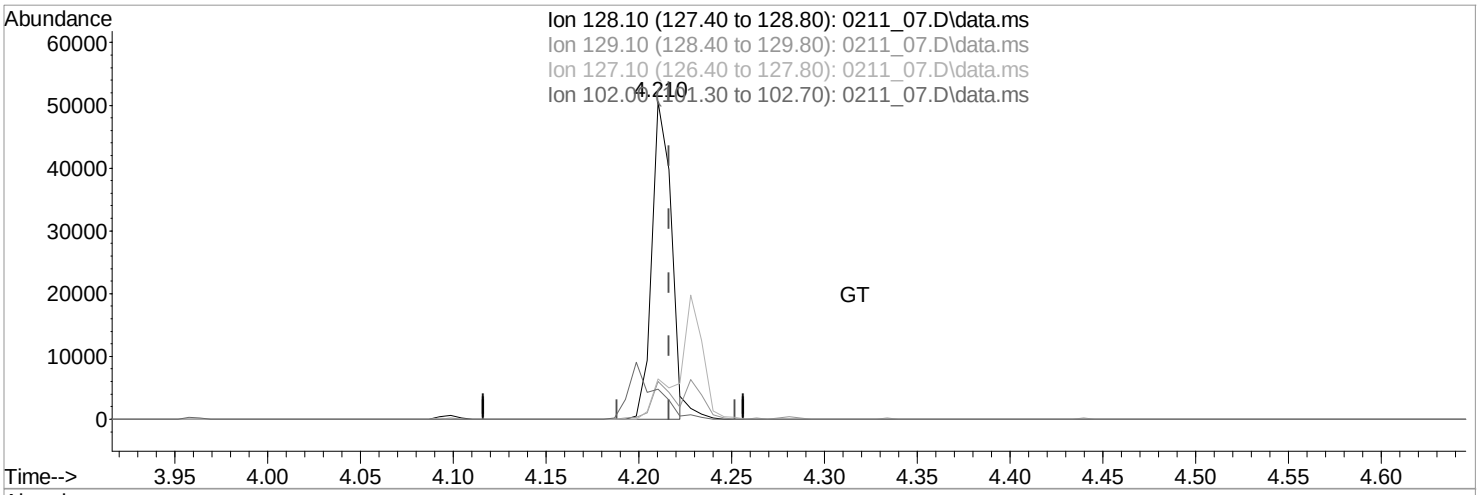
response 30240

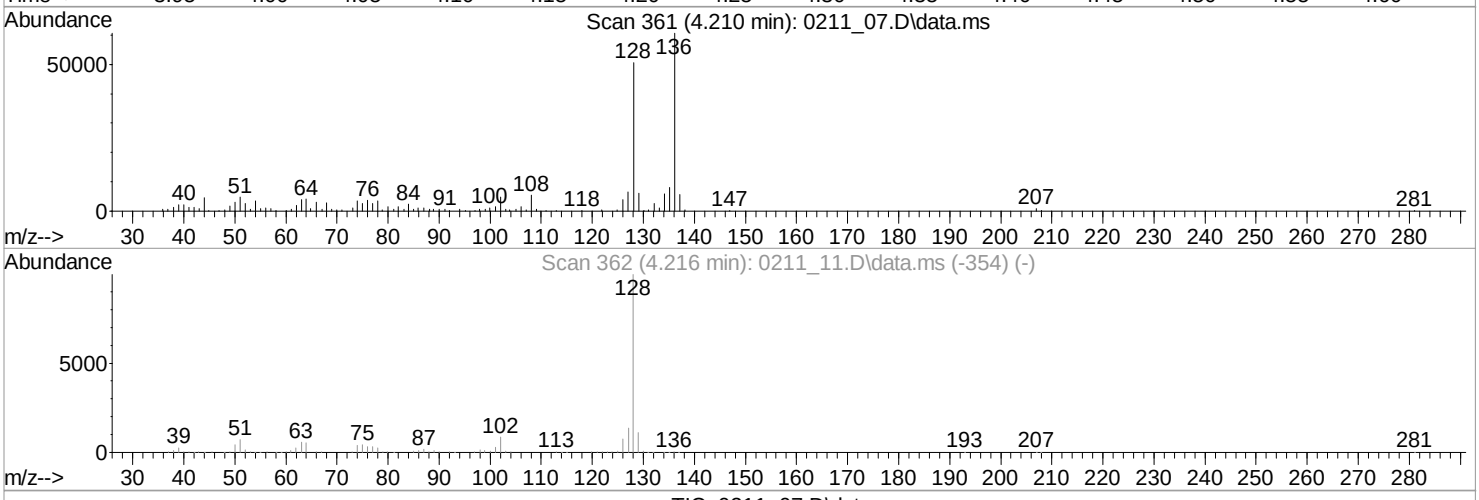
Ion	Exp%	Act%
252.10	100	100
253.10	21.70	19.13
125.90	22.10	21.93
125.10	15.60	13.14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:15:10 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_07.D\data.ms

(34) Naphthalene (MT)

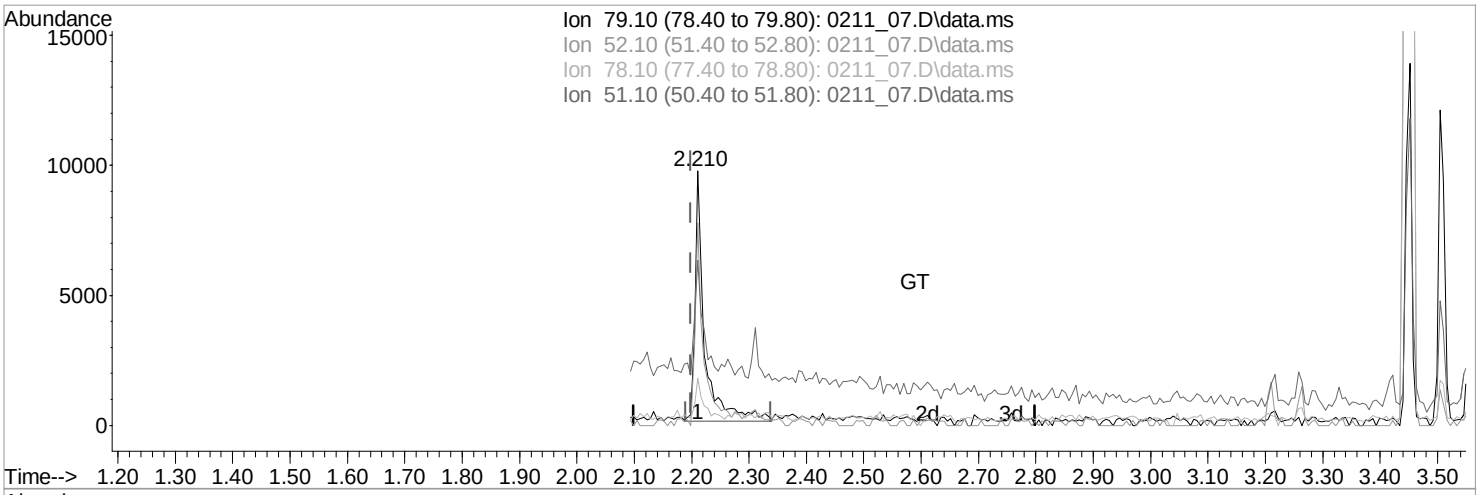
4.210min (-0.006) 187.4913766 ppb m

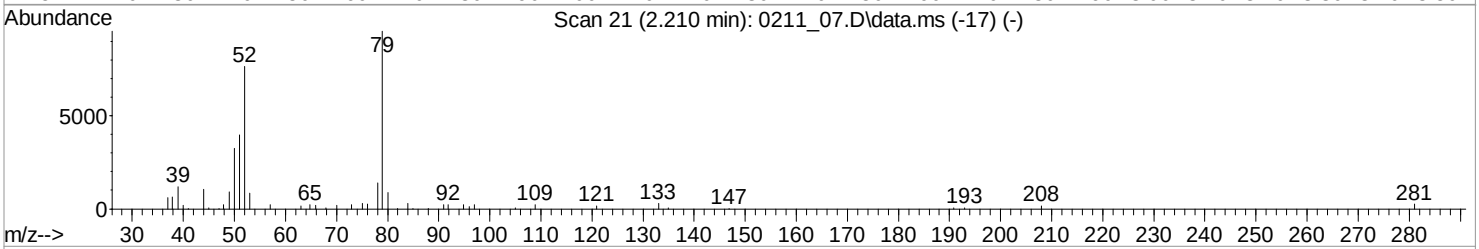
response 36609

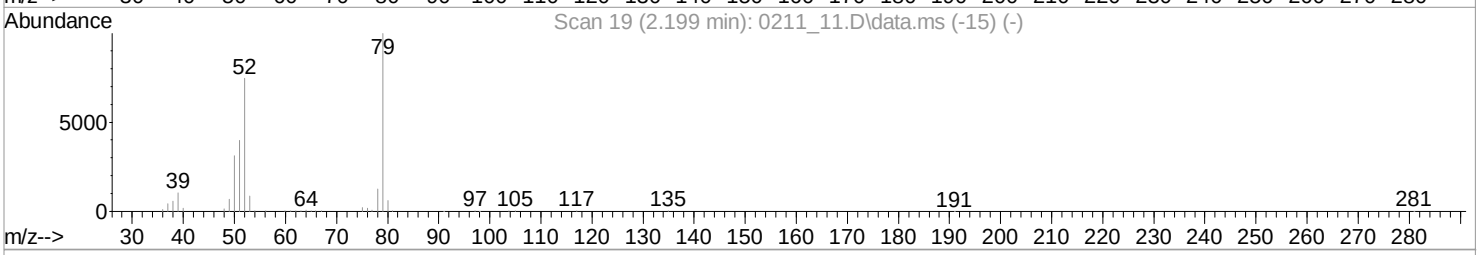
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.87
127.10	13.40	12.74
102.00	8.60	9.43

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:13:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_07.D\data.ms

(2) Pyridine (TM)

2.210min (+0.012) 205.0391633 ppb m

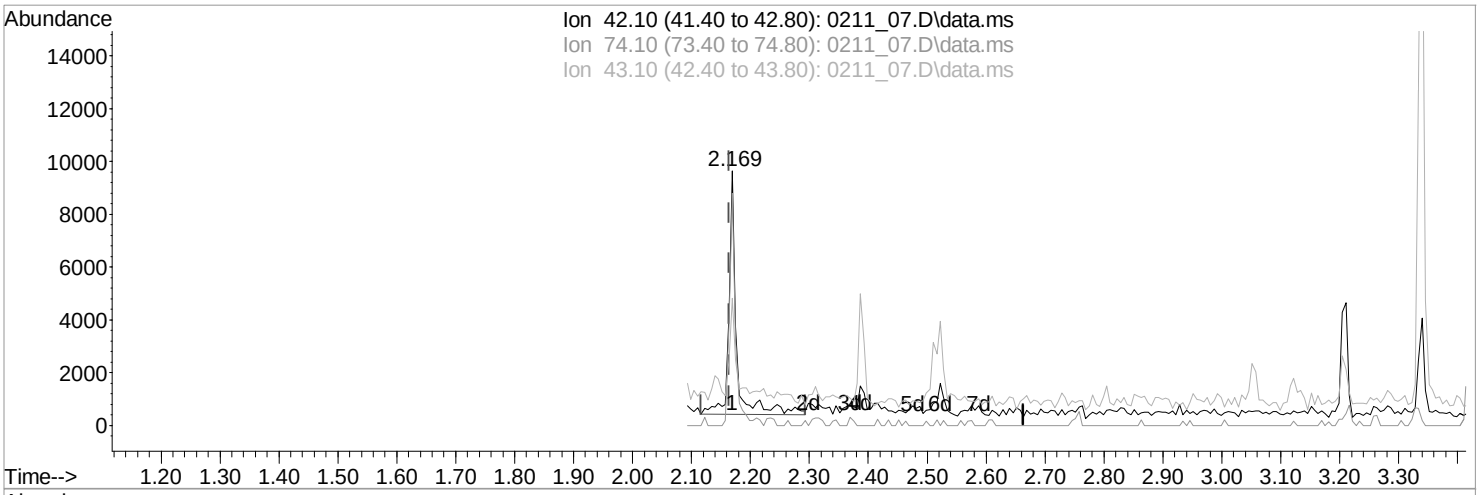
response 11314

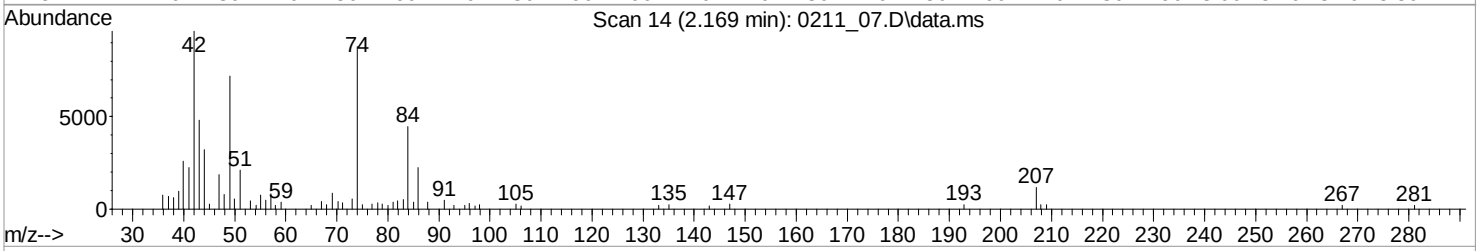
Ion	Exp%	Act%
79.10	100	100
52.10	74.60	79.72
78.10	12.60	18.47#
51.10	40.00	64.92#

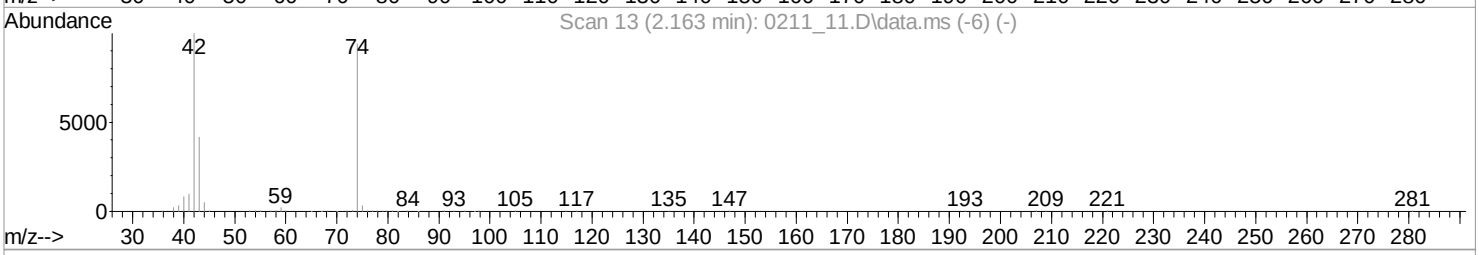
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:13:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_07.D\data.ms

(3) N-Nitrosodimethylamine (MT)

2.169min (+0.006) 275.7915771 ppb

Qvalue = 75

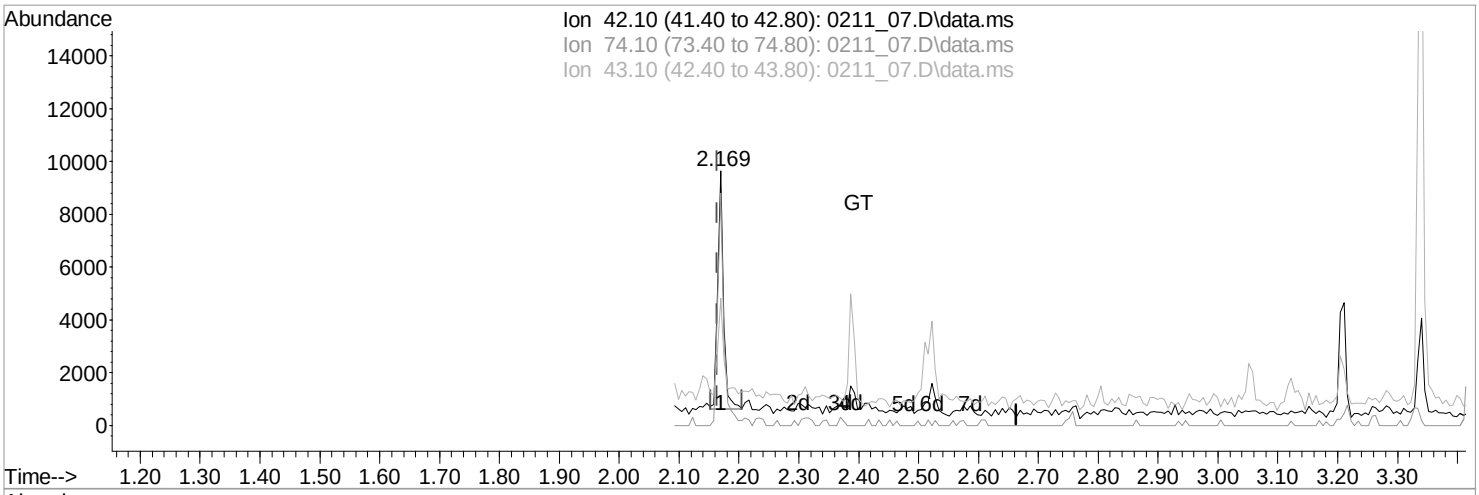
response 8630

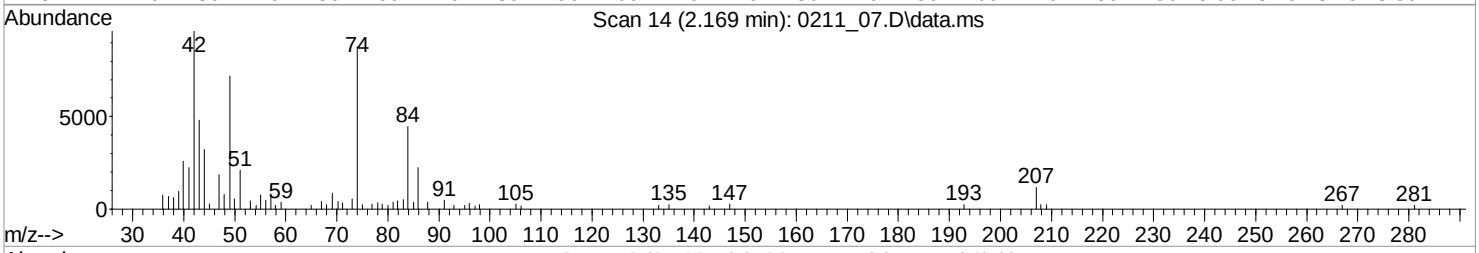
Ion	Exp%	Act%
42.10	100	100
74.10	99.70	76.87#
43.10	42.00	61.23
0.00	0.00	0.00

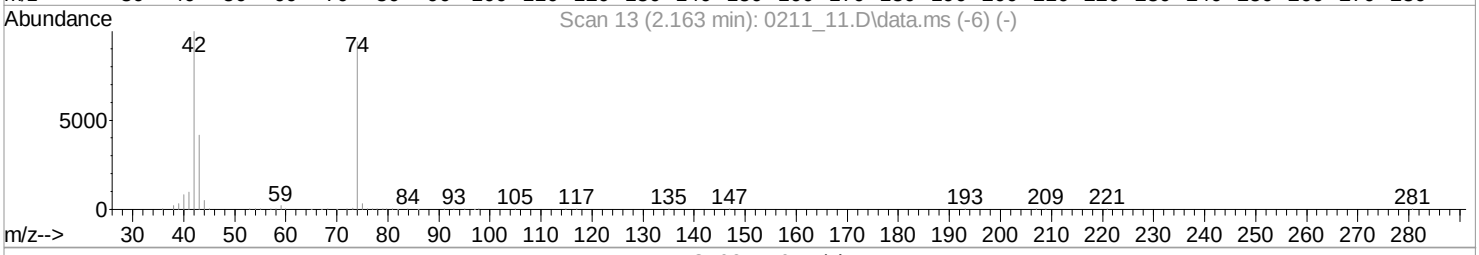
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:13:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_07.D\data.ms

(3) N-Nitrosodimethylamine (MT)

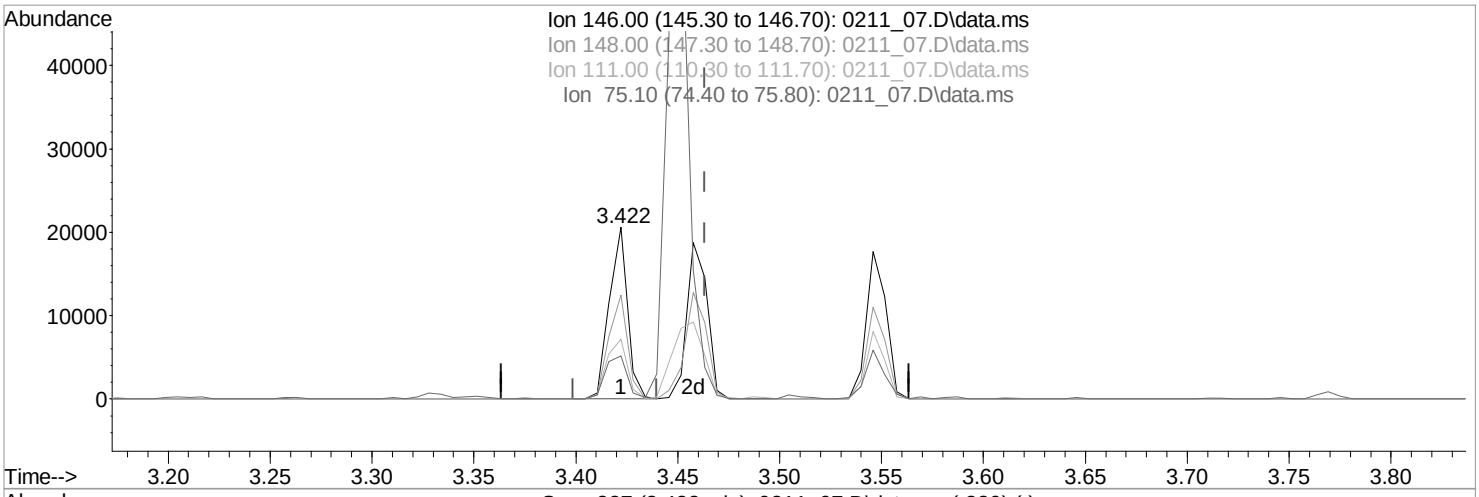
2.169min (+0.006) 192.5747443 ppb m

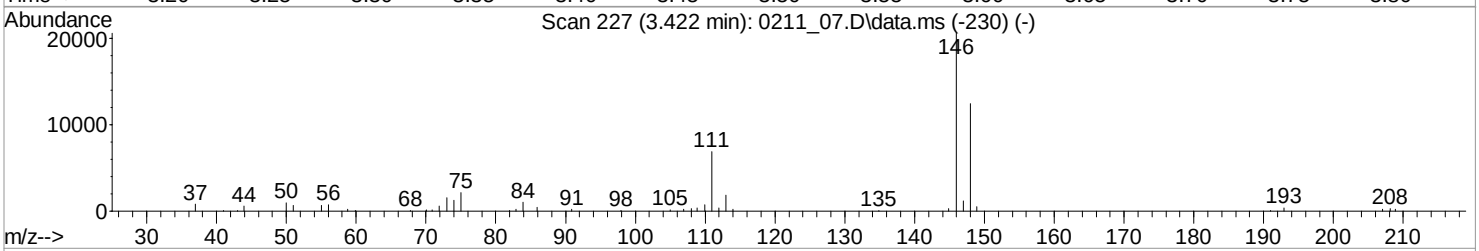
response 6026

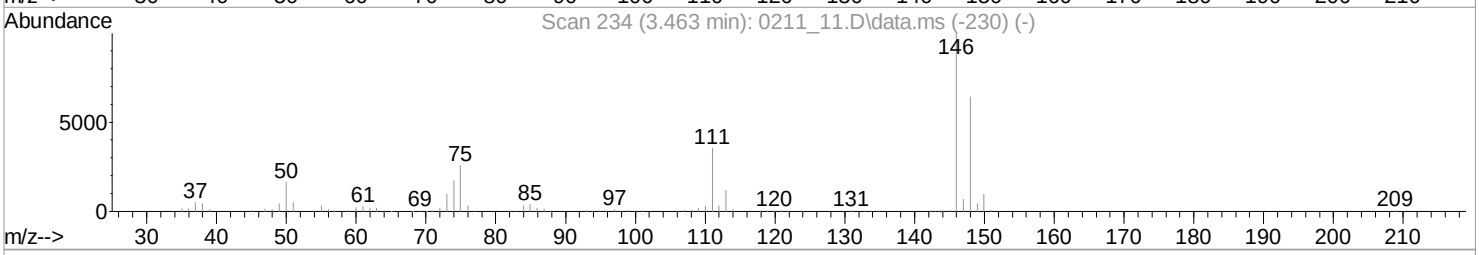
Ion	Exp%	Act%
42.10	100	100
74.10	99.70	110.09
43.10	42.00	87.69#
0.00	0.00	0.00

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:13:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_07.D\data.ms

(13) 1,4-Dichlorobenzene (MTC)

3.422min (-0.041) 205.5579757 ppb

Qvalue = 97

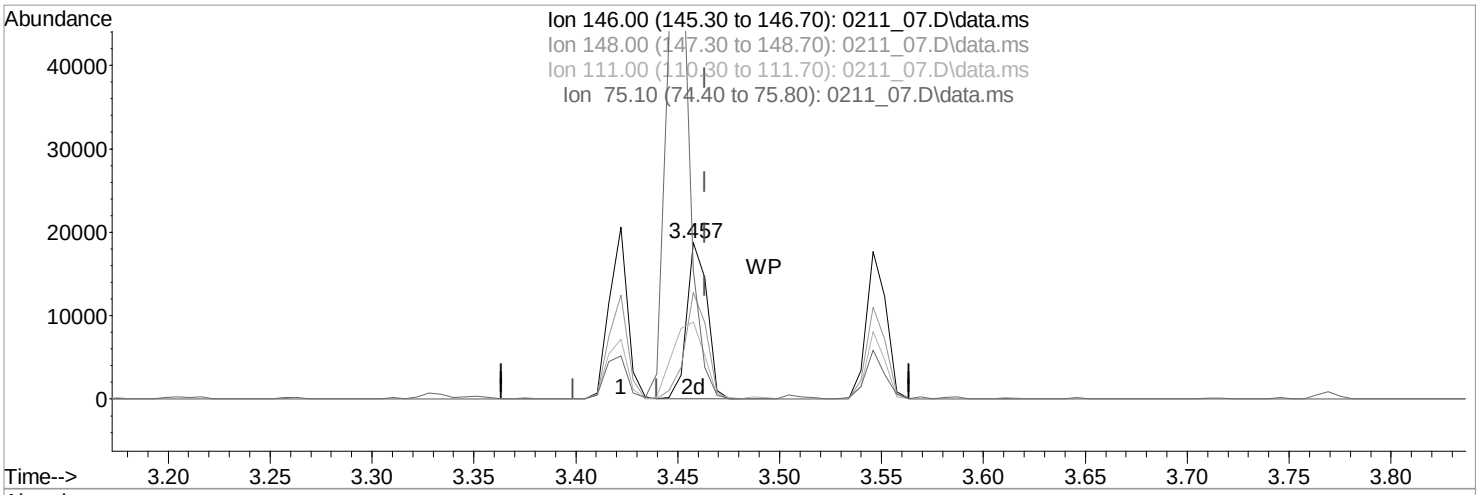
response 12828

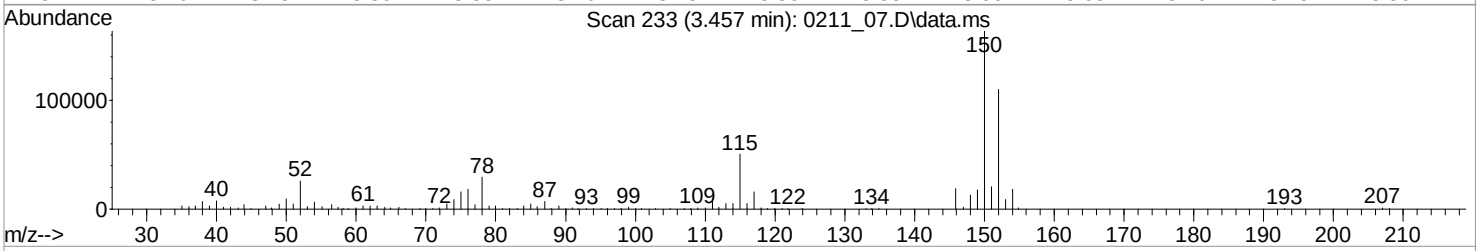
Ion	Exp%	Act%
146.00	100	100
148.00	64.10	60.26
111.00	35.40	34.78
75.10	26.00	24.94

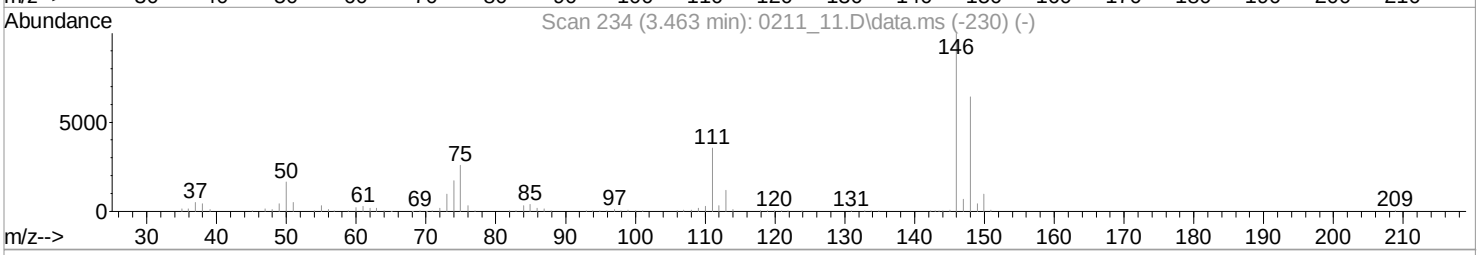
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:13:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_07.D\data.ms

(13) 1,4-Dichlorobenzene (MTC)

3.457min (-0.006) 211.4869164 ppb m

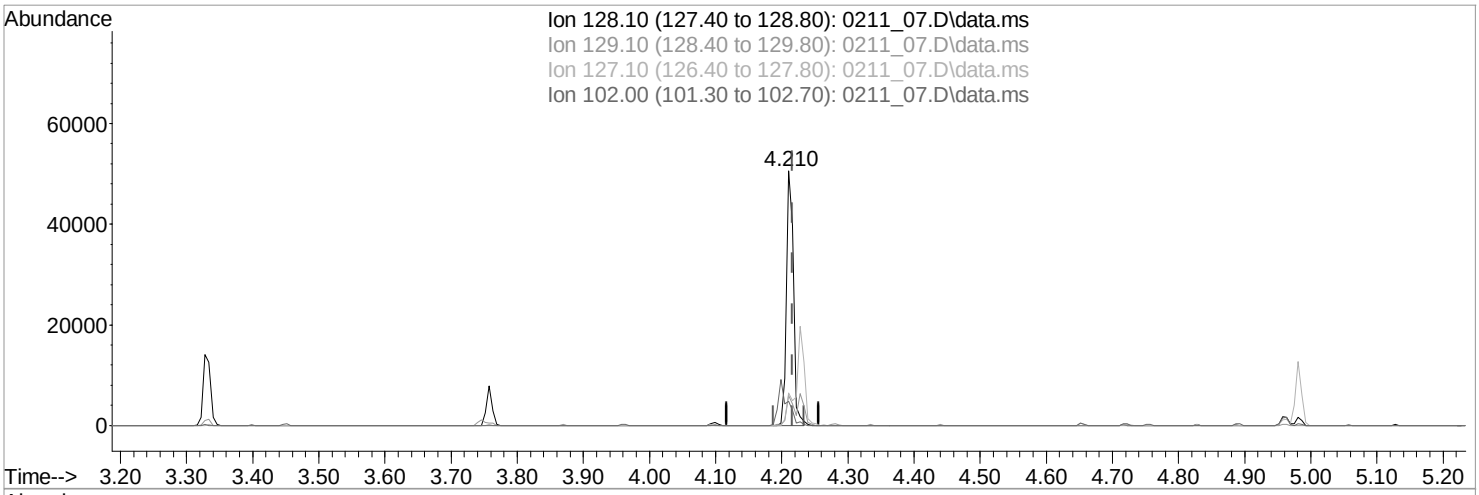
response 13198

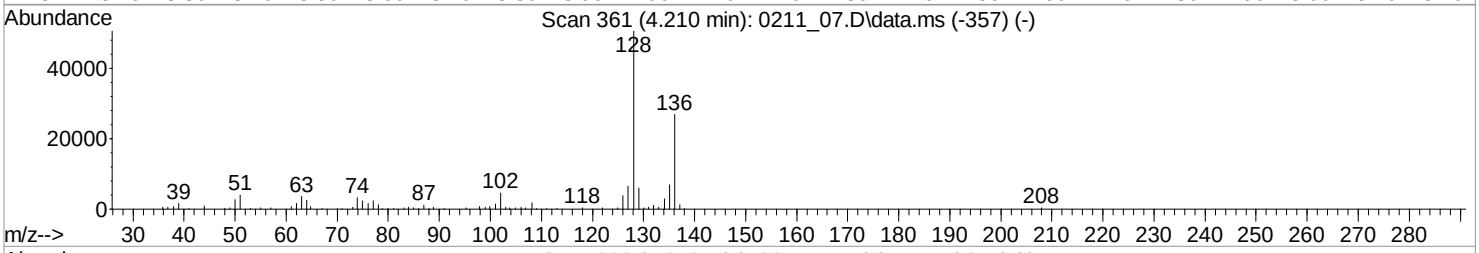
Ion	Exp%	Act%
146.00	100	100
148.00	64.10	68.05
111.00	35.40	49.21
75.10	26.00	82.65#

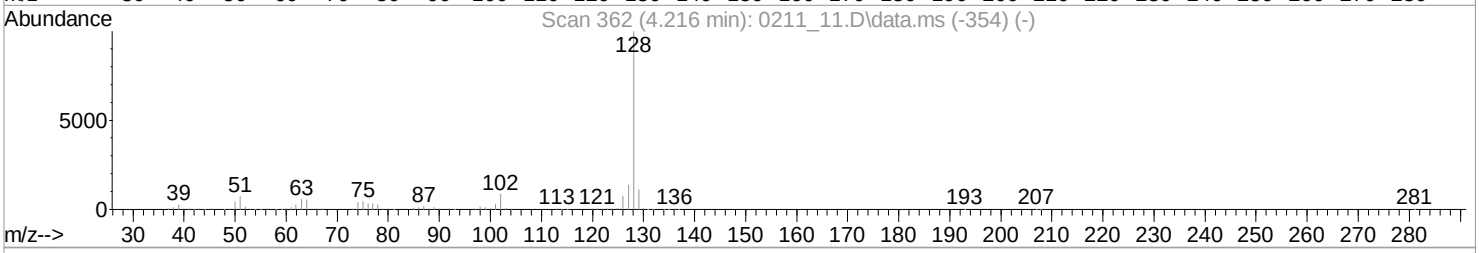
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:13:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_07.D\data.ms

(34) Naphthalene (MT)

4.210min (-0.006) 192.2389661 ppb

Qvalue = 98

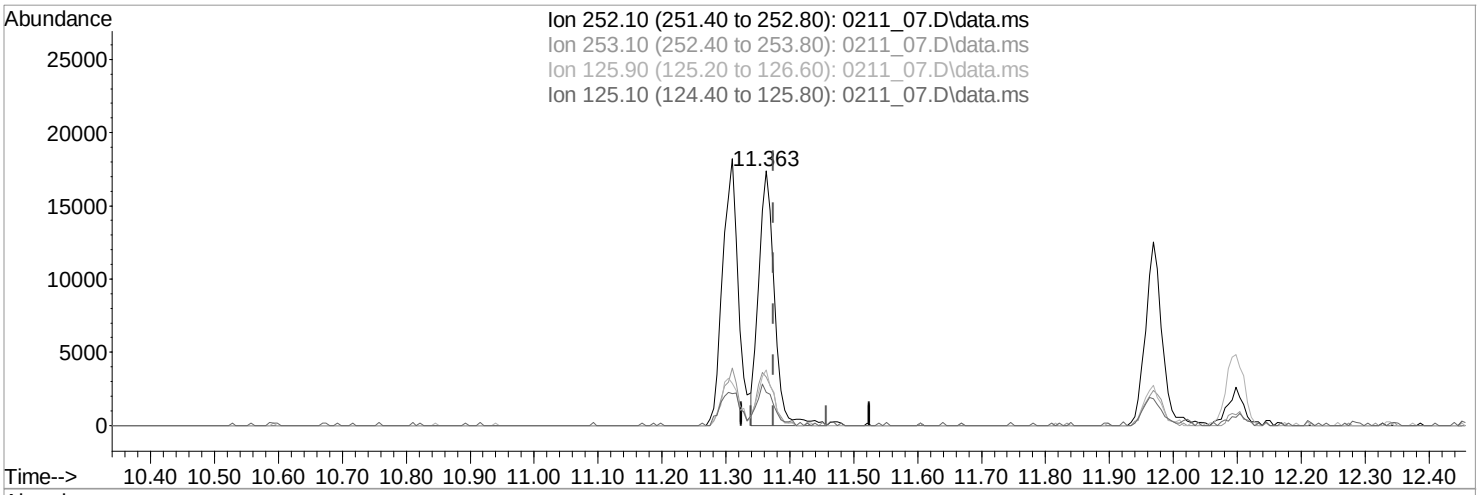
response 37536

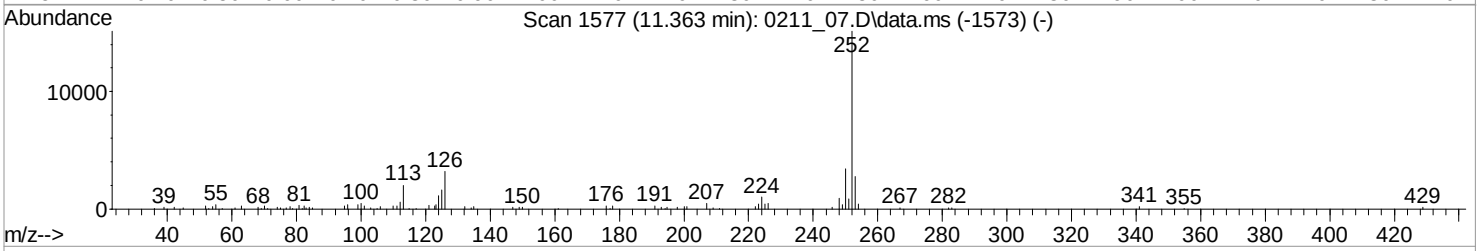
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.87
127.10	13.40	12.74
102.00	8.60	8.99

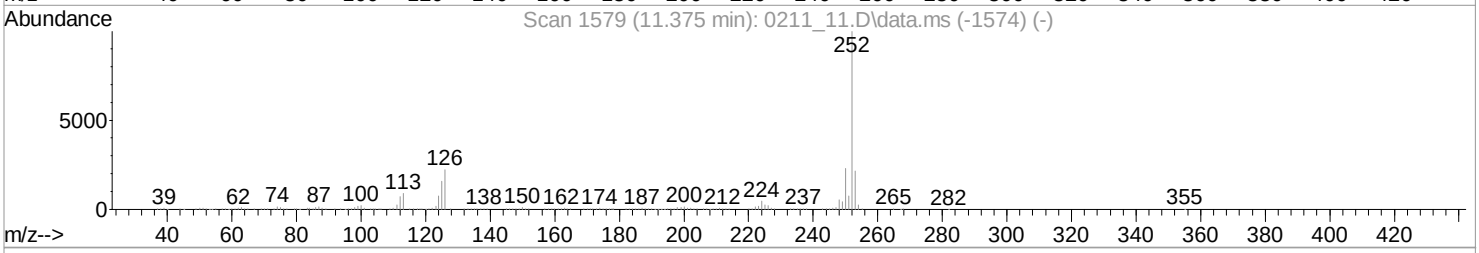
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 07.D
Acq On : 11 Feb 2022 11:40 am
Operator : 917
Sample : STD SVMS 200 ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:13:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:13:20 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_07.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.363min (-0.012) 163.6408622 ppb

Qvalue = 96

response 29454

Ion	Exp%	Act%
252.10	100	100
253.10	21.70	19.13
125.90	22.10	21.93
125.10	15.60	13.14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
Operator : 917
Sample : STD SVMS 1K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 5 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:16:51 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.452	152	352341	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.199	136	1427847	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	775412	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1394590	8000.0000000	ppb		0.00
84) Chrysene-d12	9.363	240	1156041	8000.0000000	ppb		0.00
94) Perylene-d12	12.098	264	1094683	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.757	112	50084	973.3544344	ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 24.33%				
7) Phenol-d5	3.210	99	62845	968.1680206	ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 24.20%				
24) Nitrobenzene-d5	3.757	82	61550	953.0826789	ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 47.65%				
50) 2-Fluorobiphenyl	4.887	172	117919	984.0588902	ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 49.20%				
73) 2,4,6-Tribromophenol	5.957	330	11141	895.3590322	ppb		0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 22.38%				
87) p-Terphenyl-d14	7.928	244	135086	939.4223621	ppb		0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 46.97%				
Target Compounds							Qvalue
2) Pyridine	2.199	79	60857	1078.6343997	ppb		96
3) N-Nitrosodimethylamine	2.163	42	33562	1082.2703904	ppb		96
5) Aniline	3.263	66	30348	949.3473256	ppb		94
6) bis(2-Chloroethyl)ether	3.281	93	51594	963.8590753	ppb		97
8) Phenol	3.216	94	68123	1011.1463117	ppb		95
10) 2-Chlorophenol	3.334	128	55385	986.4984230	ppb		98
11) n-Decane	3.340	41	38804	1022.2103087	ppb	#	98
12) 1,3-Dichlorobenzene	3.422	146	62693	998.5004726	ppb		98
13) 1,4-Dichlorobenzene	3.457	146	65443	1009.5379457	ppb		89
14) Benzyl Alcohol	3.505	79	41975	914.8833168	ppb		94
15) 1,2-Dichlorobenzene	3.546	146	61224	1014.6626803	ppb		99
16) bis(2-Chloroisopropyl)...	3.581	121	20675	1023.2239574	ppb	#	81
17) 2,2-oxybis(1-chloropro...	3.581	121	20675	1023.2239574	ppb	#	81
18) 2-Methylphenol	3.557	108	49624	983.7744054	ppb		99
19) Hexachloroethane	3.746	117	25185	1015.3426606	ppb		95
20) N-Nitrosodi-n-propylamine	3.657	70	37586	949.8930263	ppb		94
21) 3&4-Methyl phenol	3.640	107	56888	980.9525945	ppb		99
25) Nitrobenzene	3.769	77	56015	977.7634707	ppb		96
26) Isophorone	3.904	82	100494	965.2144478	ppb		91
27) 2-Nitrophenol	3.957	139	24347	958.5037796	ppb		90
28) 2,4-Dimethylphenol	3.957	107	53982	974.8996313	ppb		94
29) bis(2-Chlorethoxy)methane	4.022	93	64630	970.4323387	ppb		98
30) 2,4-Dichlorophenol	4.099	162	41494	939.4777733	ppb		96
32) 1,2,4-Trichlorobenzene	4.157	180	48653	1003.8135808	ppb		99
34) Naphthalene	4.210	128	175408m	902.1244170	ppb		
35) 4-Chloroaniline	4.228	65	21184	974.8930597	ppb		92
36) Hexachloro-1,3-butadiene	4.281	225	25521	1035.4276914	ppb		98
40) 4-Chloro-3-methylphenol	4.522	107	43663	911.2752788	ppb		95
41) 2-Methylnaphthalene	4.651	142	111691	944.7619590	ppb		99
42) 1-Methylnaphthalene	4.722	142	107698	940.1229097	ppb		99

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
Operator : 917
Sample : STD SVMS 1K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 5 Sample Multiplier: 1
InstName : BNAMS20

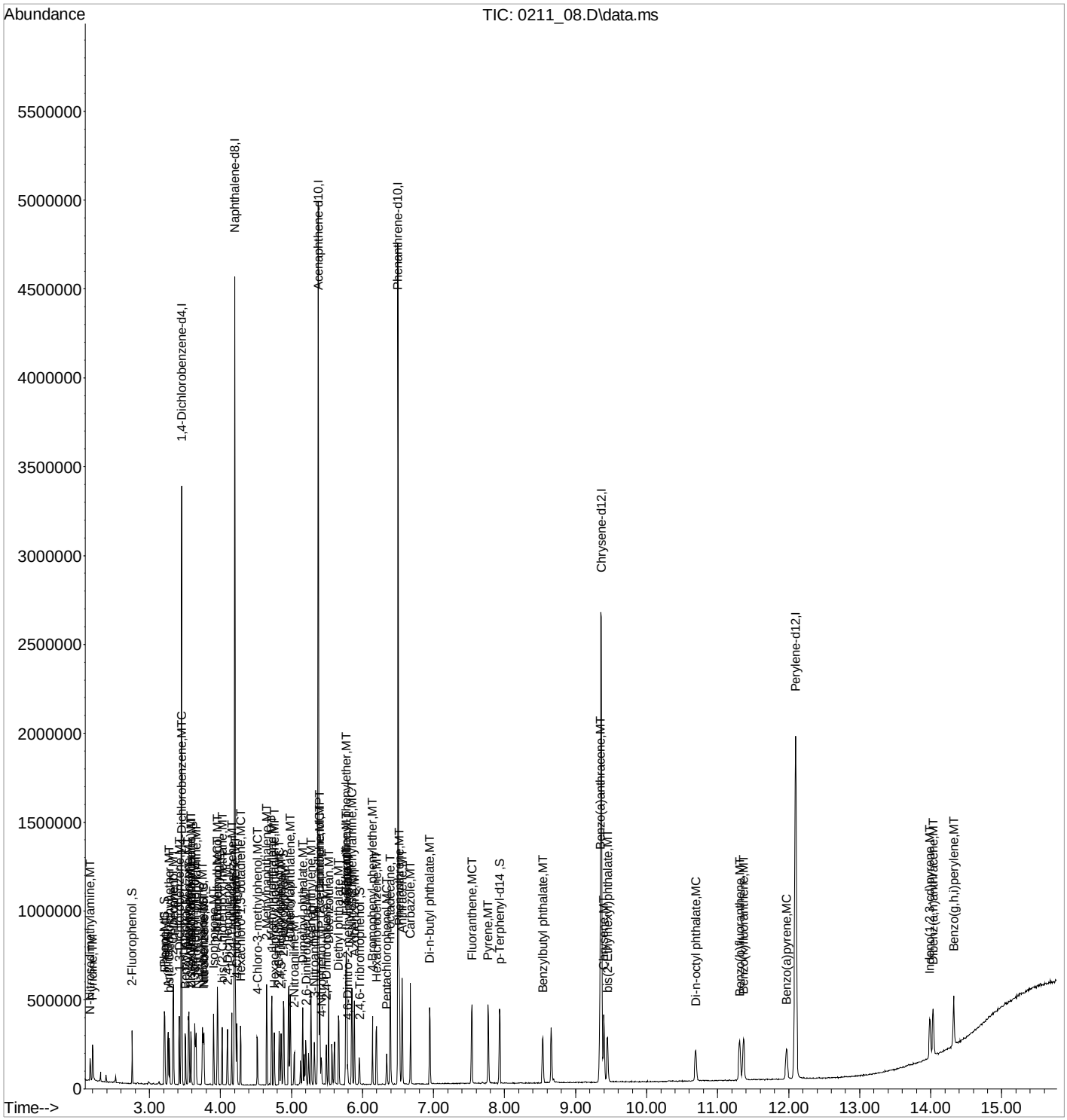
Quant Time: Feb 11 15:16:51 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.757	237	28847	955.2712584 ppb		99
48)	2,4,6-Trichlorophenol	4.828	196	26725	959.7954175 ppb		96
49)	2,4,5-Trichlorophenol	4.851	196	30076	952.3995805 ppb		96
51)	Biphenyl	4.963	154	140000	1007.7370835 ppb		99
52)	2-Chloronaphthalene	4.981	162	106490	922.2132186 ppb		96
53)	2-Nitroaniline	5.040	138	26865	864.0311007 ppb		92
54)	Acenaphthylene	5.275	152	162803	959.8182392 ppb		100
55)	Dimethyl phthalate	5.157	163	119488	1010.5703652 ppb		97
56)	2,6-Dinitrotoluene	5.204	165	23872	998.9988760 ppb		92
57)	3-Nitroaniline	5.322	138	26385	956.5798203 ppb		94
58)	Acenaphthene	5.399	153	113003	901.5465191 ppb		97
59)	2,4-Dinitrophenol	5.399	184	7404	590.3101097 ppb	#	1
60)	Dibenzofuran	5.522	168	152066	1005.1354629 ppb		99
61)	2,4-Dinitrotoluene	5.493	165	28241	932.0408157 ppb		87
63)	4-Nitrophenol	5.422	139	19935m	871.6457935 ppb		
64)	Fluorene	5.775	166	127303	932.3397371 ppb		99
65)	4-Chlorophenyl-phenyle...	5.769	204	55436	1016.4285272 ppb		95
66)	Diethyl phthalate	5.663	149	120814	985.1623600 ppb		98
67)	4-Nitroaniline	5.769	138	26399	889.0305949 ppb		92
68)	Azobenzene	5.887	77	128645	1037.8847464 ppb		99
71)	4,6-Dinitro-2-methylph...	5.793	198	9987	761.6389166 ppb	#	70
72)	N-Nitrosodiphenylamine	5.851	169	103558	967.7862096 ppb		99
74)	4-Bromophenyl-phenylether	6.140	248	28405	957.4975456 ppb	#	81
75)	Hexachlorobenzene	6.198	284	33107	958.8105955 ppb		98
76)	n-octadecane	6.387	55	21030	927.1038884 ppb		98
77)	Pentachlorophenol	6.340	266	13870	907.2125278 ppb		91
78)	Phenanthrene	6.516	178	185430	833.9598676 ppb		98
79)	Anthracene	6.557	178	178037	866.2860164 ppb		100
80)	Carbazole	6.675	167	169698	968.1417418 ppb		99
81)	Di-n-butyl phthalate	6.945	149	189794	952.6662807 ppb		99
83)	Fluoranthene	7.540	202	173552	830.1519282 ppb		98
86)	Pyrene	7.769	202	178742	830.2111202 ppb		99
88)	Benzylbutyl phthalate	8.539	149	67177	884.0450919 ppb		95
90)	Benzo(a)anthracene	9.345	228	155920	725.4581879 ppb		98
91)	Chrysene	9.398	228	169096	711.5794943 ppb		98
92)	bis(2-Ethylhexyl)phtha...	9.451	149	92802	867.0662315 ppb		97
93)	Di-n-octyl phthalate	10.692	149	133970	810.4003043 ppb		98
95)	Benzo(b)fluoranthene	11.310	252	138279m	794.3315821 ppb		
96)	Benzo(k)fluoranthene	11.363	252	148200m	855.0645727 ppb		
97)	Benzo(a)pyrene	11.969	252	111810	835.8485870 ppb		96
98)	Indeno(1,2,3-cd)pyrene	13.986	276	111424	811.6323840 ppb		99
99)	Dibenz(a,h)anthracene	14.033	278	125197	815.0721805 ppb		96
100)	Benzo(g,h,i)perylene	14.321	276	131166	808.8202269 ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
Operator : 917
Sample : STD SVMS 1K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 5 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:16:51 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
Operator : 917
Sample : STD SVMS 1K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
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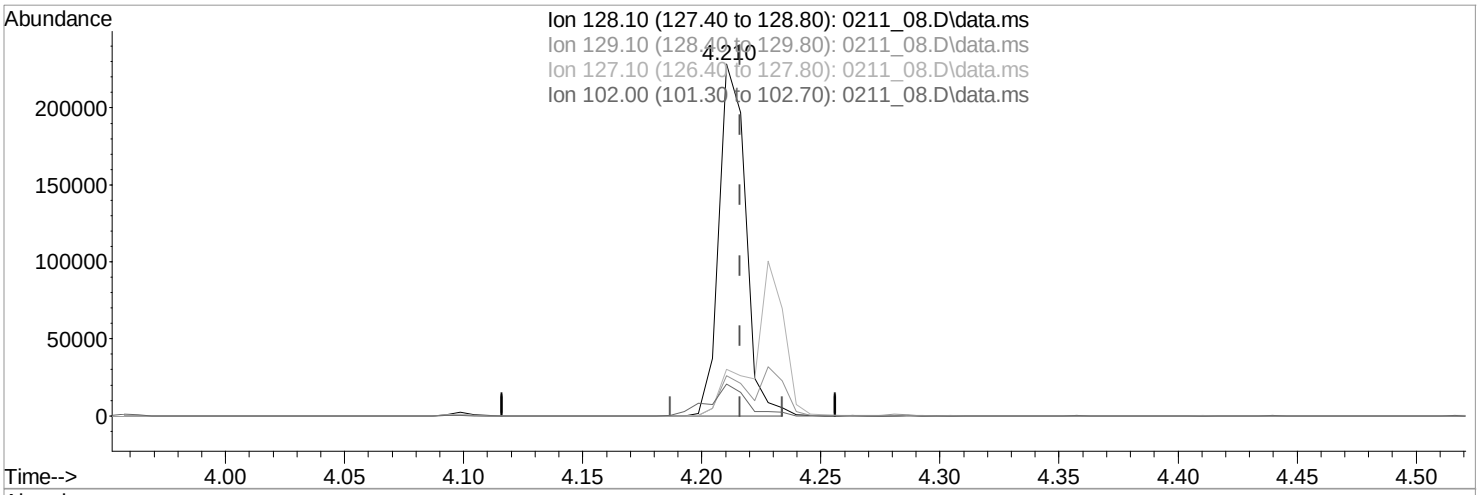
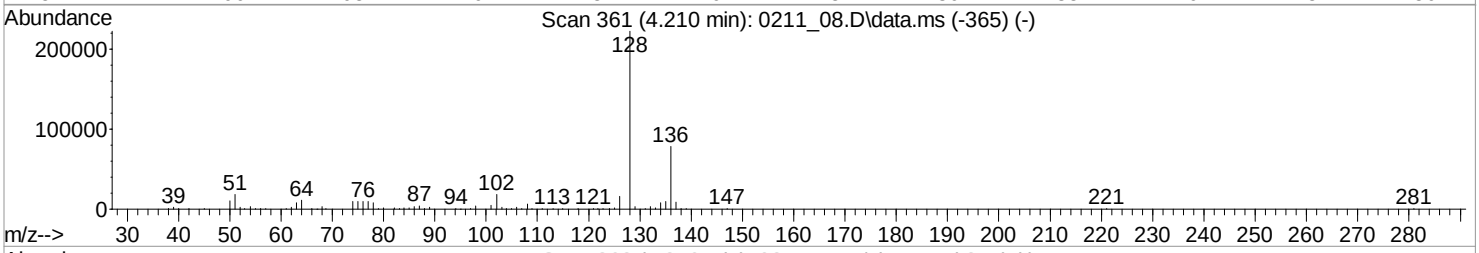
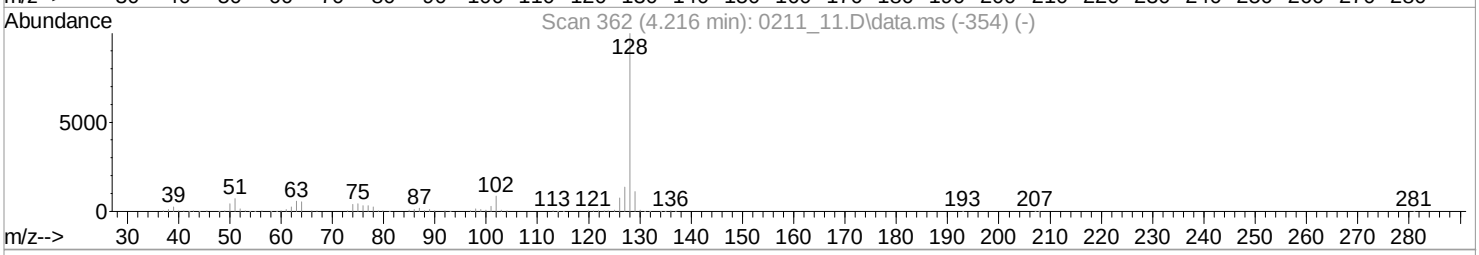
Quant Time: Feb 11 15:15:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_08.D\data.ms

(34) Naphthalene (MT)

4.210min (-0.006) 911.6801224 ppb

Qvalue = 99

response 177266

Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.32
127.10	13.40	13.31
102.00	8.60	8.97

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
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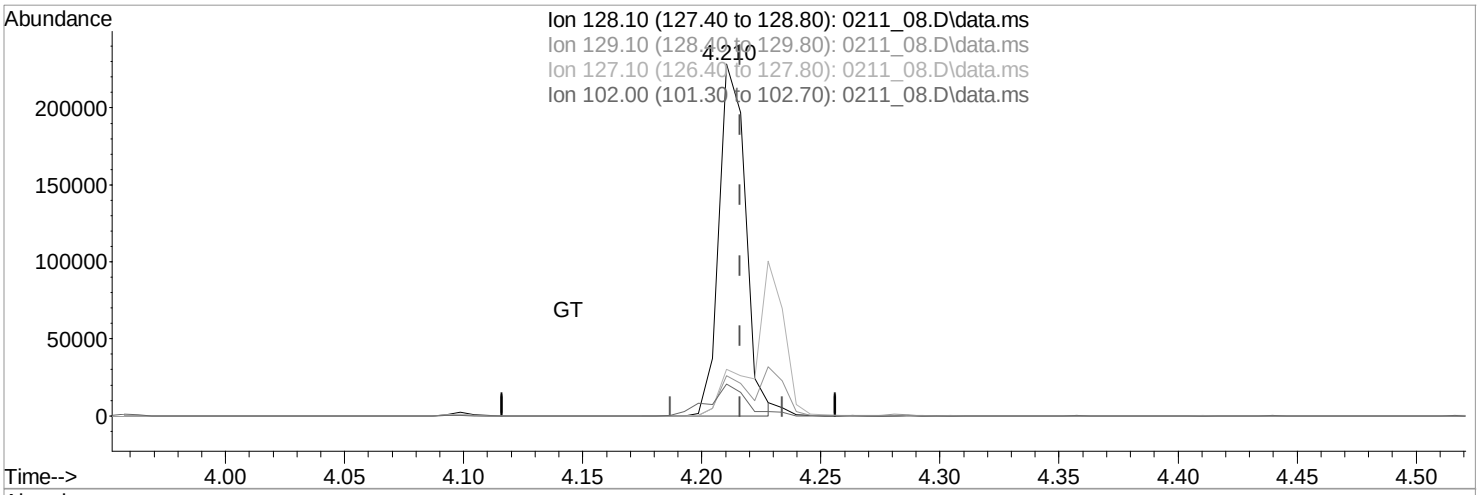
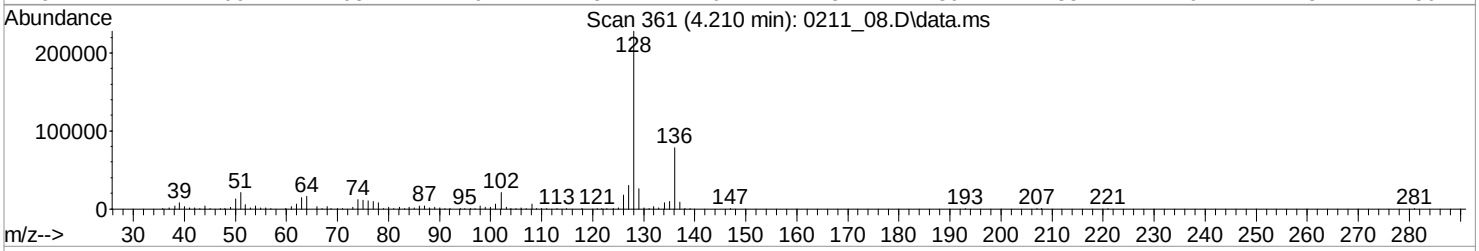
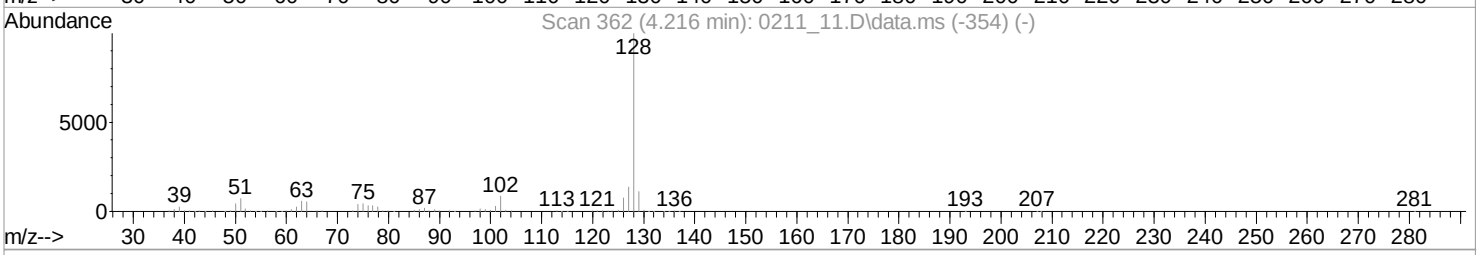
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 5 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:15:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_08.D\data.ms

(34) Naphthalene (MT)

4.210min (-0.006) 902.1244170 ppb m

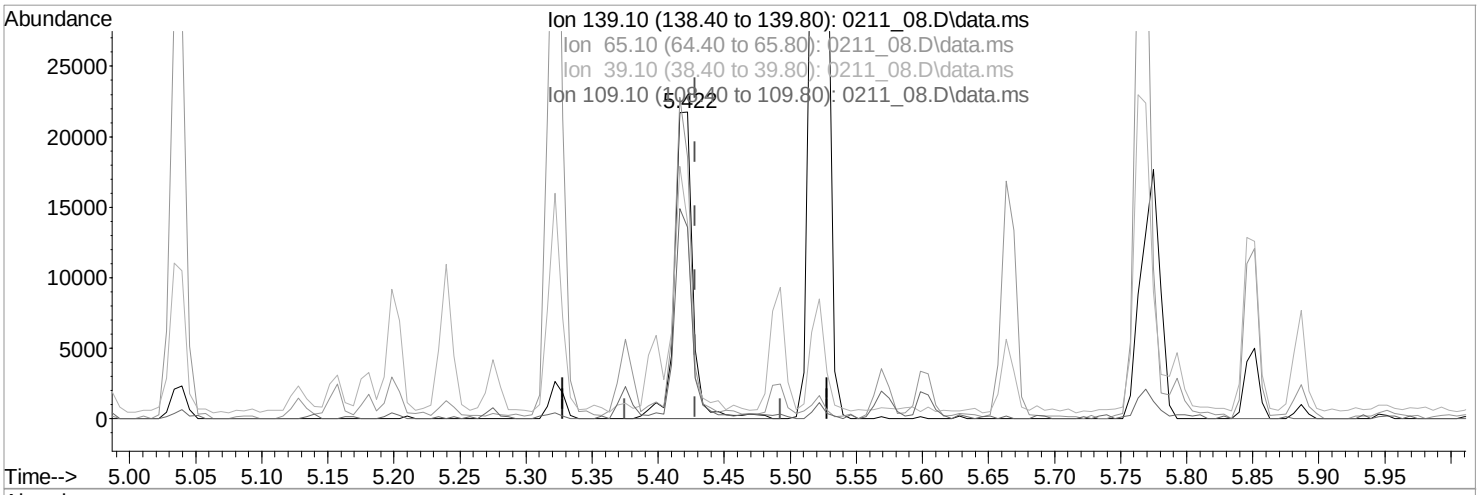
response 175408

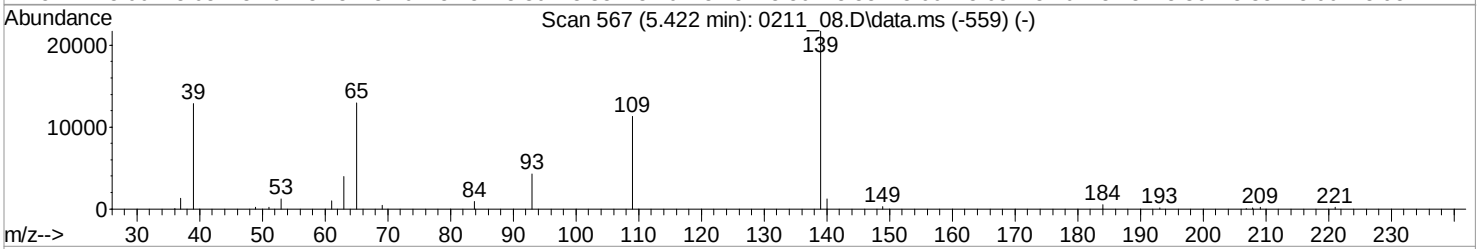
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.32
127.10	13.40	13.31
102.00	8.60	9.04

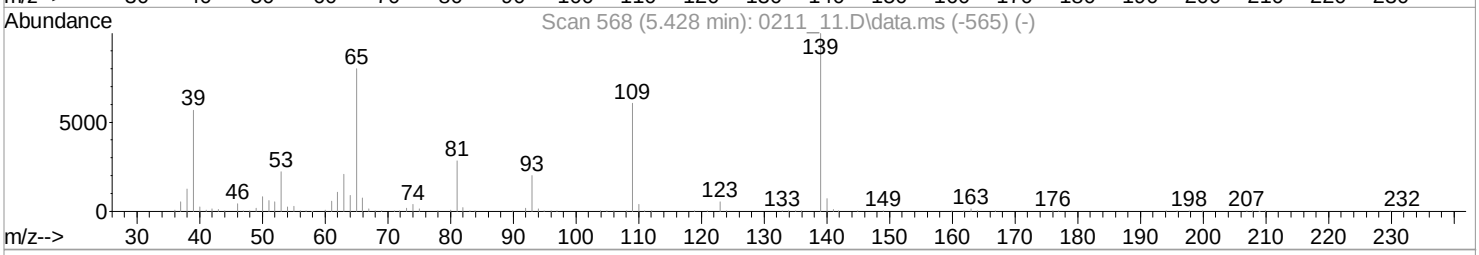
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
Operator : 917
Sample : STD SVMS 1K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 5 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:15:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_08.D\data.ms

(63) 4-Nitrophenol (MPT)

5.422min (-0.006) 914.1896289 ppb

Qvalue = 97

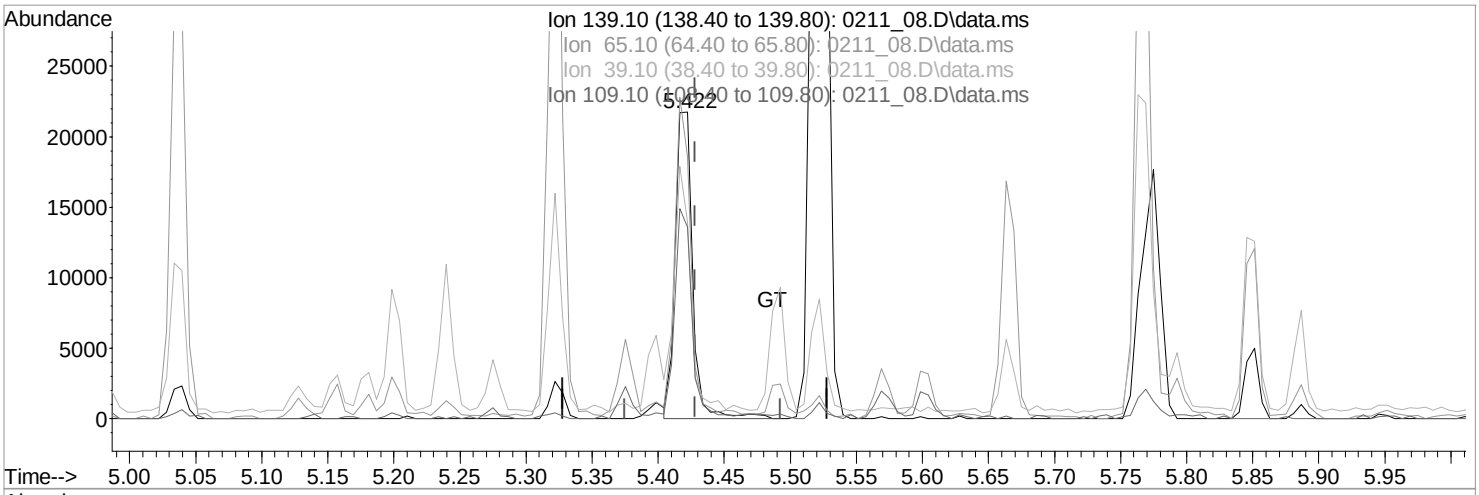
response 20908

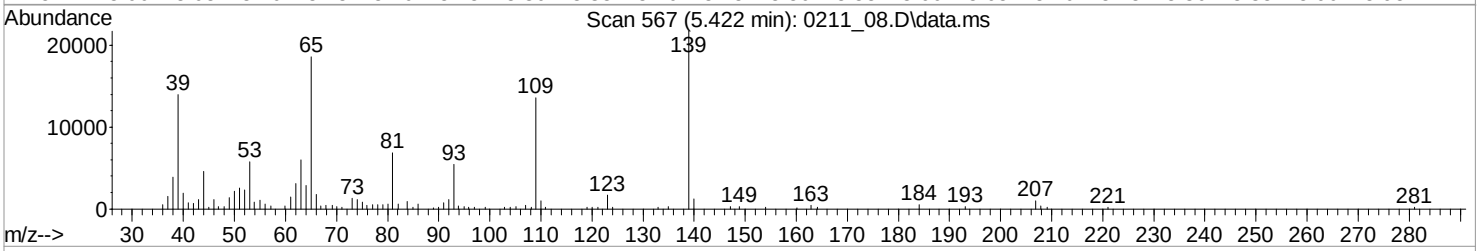
Ion	Exp%	Act%
139.10	100	100
65.10	81.20	74.13
39.10	58.80	59.09
109.10	61.10	60.85

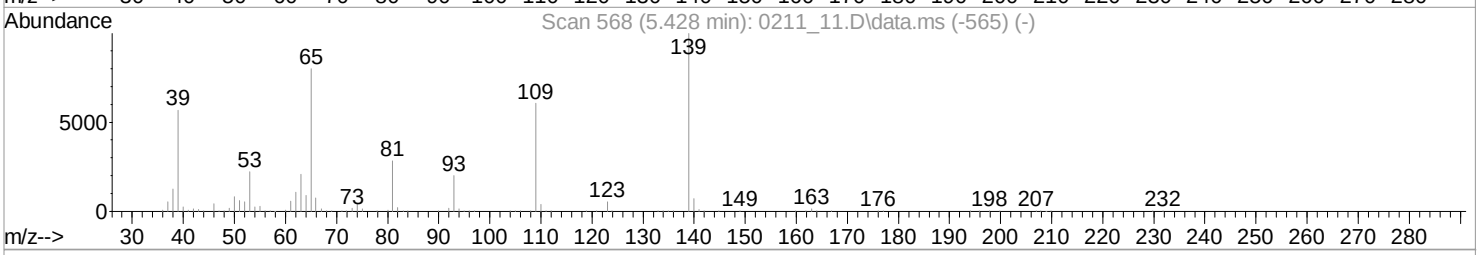
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
Operator : 917
Sample : STD SVMS 1K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 5 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:15:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_08.D\data.ms

(63) 4-Nitrophenol (MPT)

5.422min (-0.006) 871.6457935 ppb m

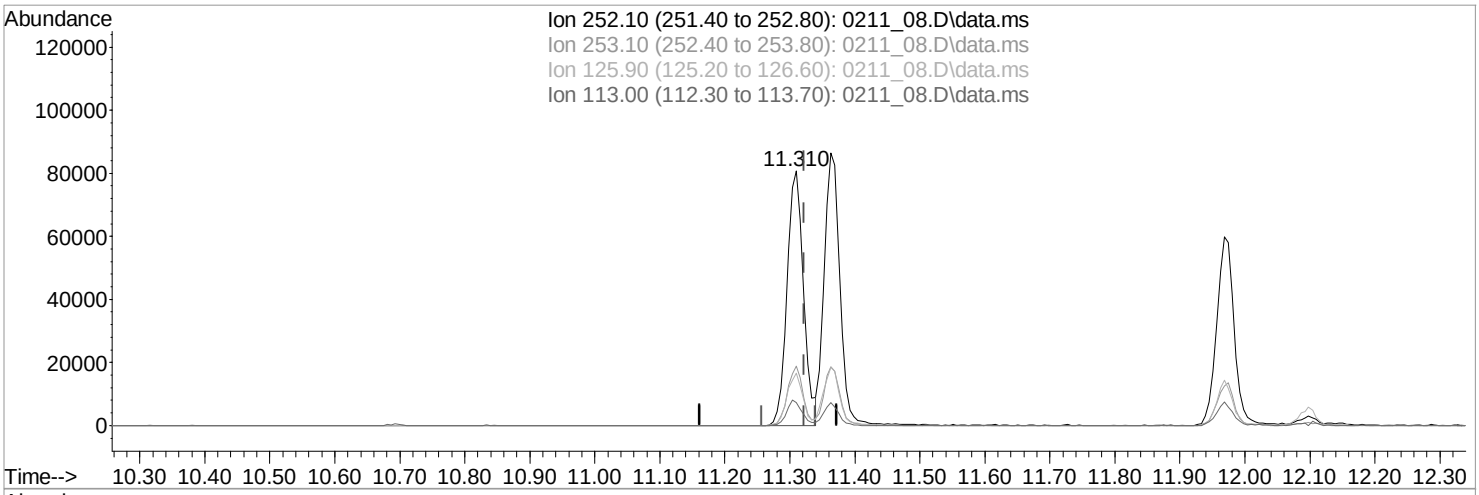
response 19935

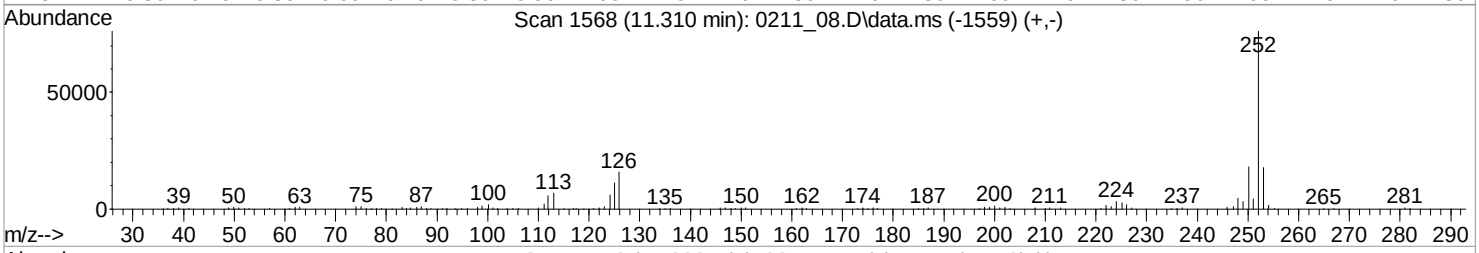
Ion	Exp%	Act%
139.10	100	100
65.10	81.20	85.47
39.10	58.80	64.13
109.10	61.10	62.46

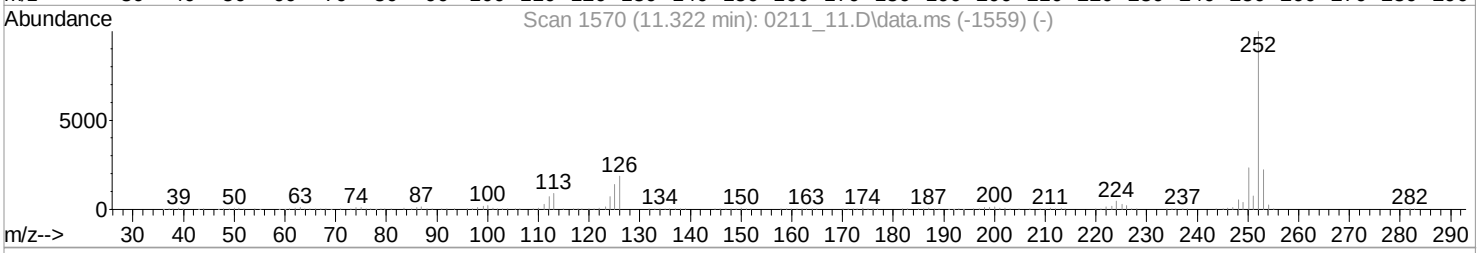
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
Operator : 917
Sample : STD SVMS 1K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 5 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:15:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_08.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.310min (-0.012) 812.1737266 ppb

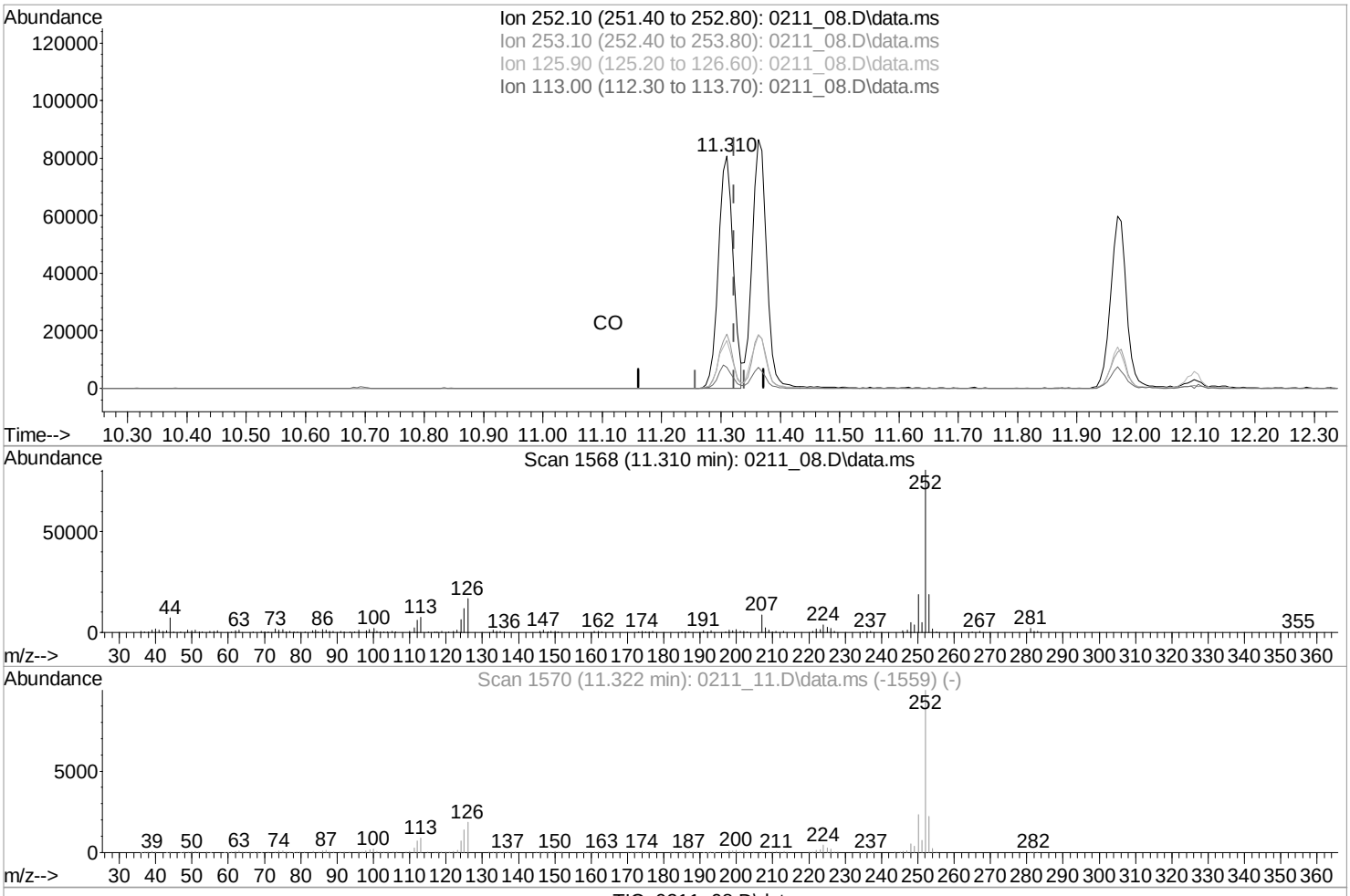
Qvalue = 97

response 141385

Ion	Exp%	Act%
252.10	100	100
253.10	22.10	23.33
125.90	18.50	20.64
113.00	8.80	8.86

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
Operator : 917
Sample : STD SVMS 1K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 5 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:15:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0211_08.D\data.ms

(95) Benzo(b)fluoranthene (MT)

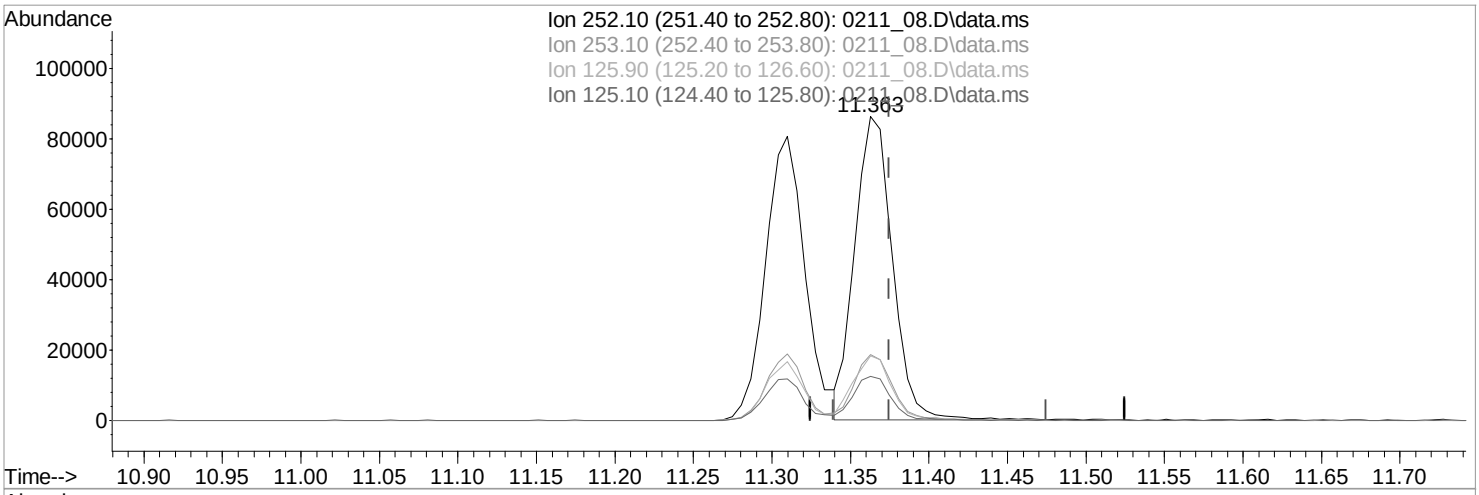
11.310min (-0.012) 794.3315821 ppb m

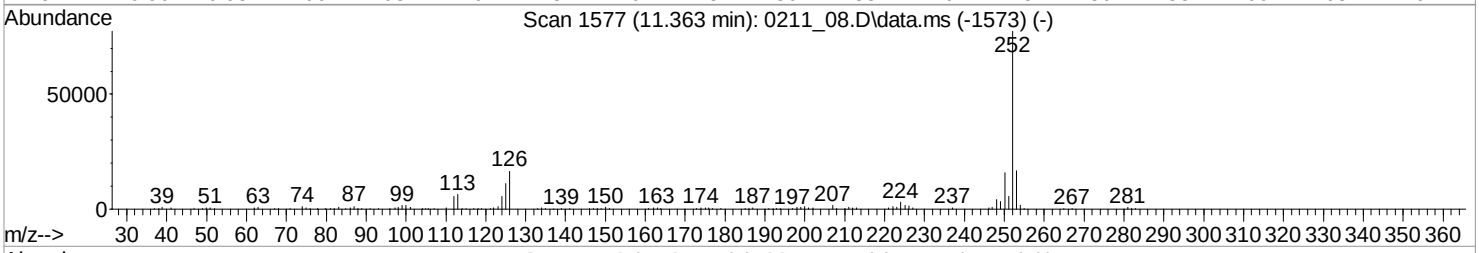
response 138279

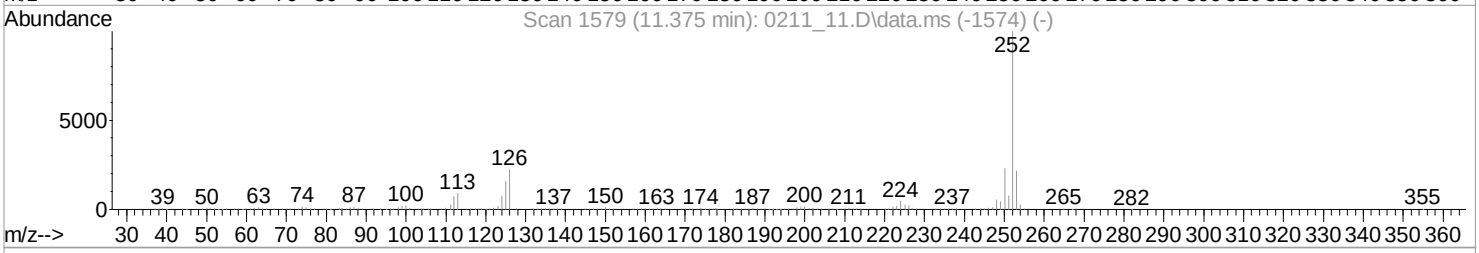
Ion	Exp%	Act%
252.10	100	100
253.10	22.10	23.38
125.90	18.50	20.70
113.00	8.80	9.07

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
Operator : 917
Sample : STD SVMS 1K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 5 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:15:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_08.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.363min (-0.012) 824.4564920 ppb

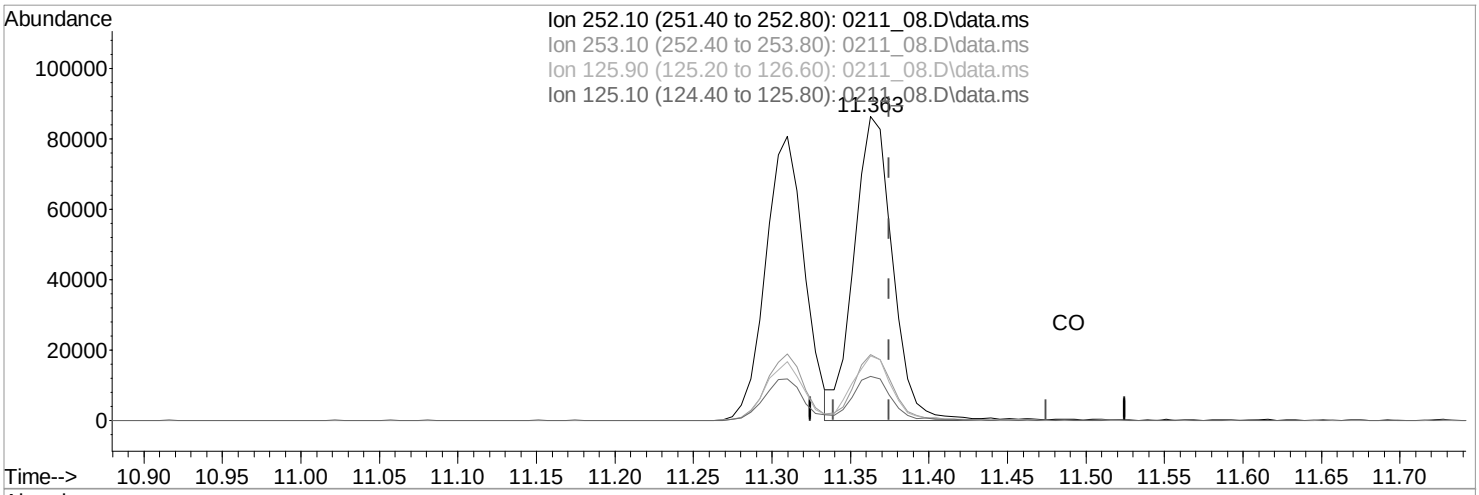
Qvalue = 99

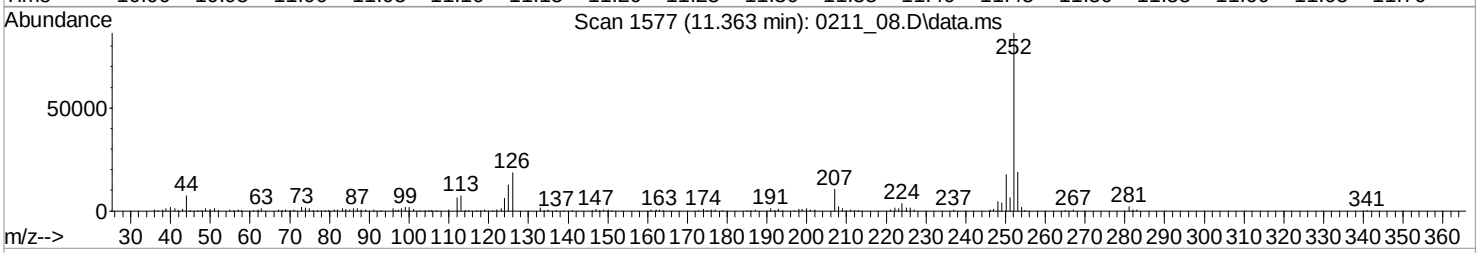
response 142895

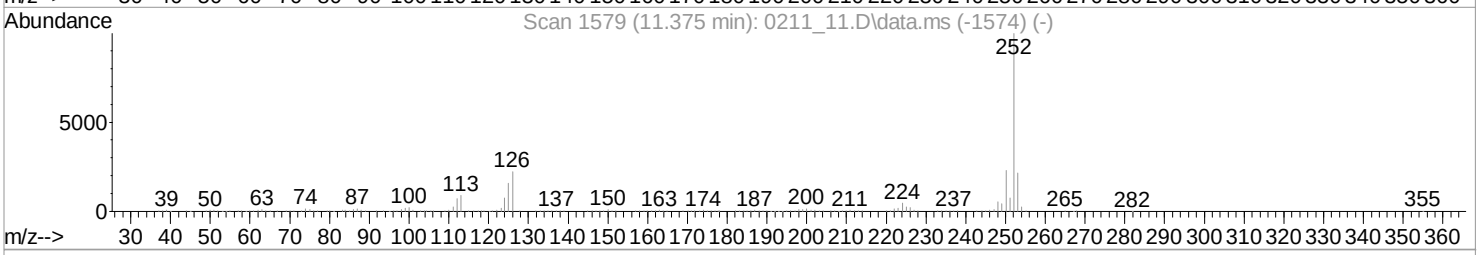
Ion	Exp%	Act%
252.10	100	100
253.10	21.70	21.75
125.90	22.10	21.34
125.10	15.60	14.35

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 08.D
Acq On : 11 Feb 2022 12:02 pm
Operator : 917
Sample : STD SVMS 1K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 5 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:15:24 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:15:21 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_08.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.363min (-0.012) 855.0645727 ppb m

response 148200

Ion	Exp%	Act%
252.10	100	100
253.10	21.70	21.68
125.90	22.10	21.27
125.10	15.60	14.56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 09.D
Acq On : 11 Feb 2022 12:23 pm
Operator : 917
Sample : STD SVMS 2K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 6 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:18:34 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:17:04 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.451	152	340942	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.198	136	1365068	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	742432	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1311759	8000.0000000	ppb		0.00
84) Chrysene-d12	9.357	240	1102666	8000.0000000	ppb		0.00
94) Perylene-d12	12.098	264	1055322	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.757	112	97103	1967.7136744	ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 49.19%				
7) Phenol-d5	3.210	99	122304	1968.0499425	ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 49.20%				
24) Nitrobenzene-d5	3.757	82	117809	1938.4474183	ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 96.92%				
50) 2-Fluorobiphenyl	4.887	172	221370	1939.7500294	ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 96.99%				
73) 2,4,6-Tribromophenol	5.957	330	22445	1987.0279606	ppb		0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 49.68%				
87) p-Terphenyl-d14	7.933	244	258803	1925.7875401	ppb		0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 96.29%				
Target Compounds							Qvalue
2) Pyridine	2.199	79	108977	1945.1110020	ppb		95
3) N-Nitrosodimethylamine	2.163	42	61692	2001.0133786	ppb		96
5) Aniline	3.263	66	58410	1920.7032684	ppb		97
6) bis(2-Chloroethyl)ether	3.281	93	96065	1877.2664188	ppb		94
8) Phenol	3.216	94	129012	1971.6163876	ppb		94
10) 2-Chlorophenol	3.334	128	109425	2023.3100265	ppb		98
11) n-Decane	3.340	41	70327	1900.4878719	ppb	#	100
12) 1,3-Dichlorobenzene	3.422	146	119272	1964.1178179	ppb		98
13) 1,4-Dichlorobenzene	3.457	146	123311	1959.5907322	ppb		91
14) Benzyl Alcohol	3.510	79	81730	1894.6947886	ppb		96
15) 1,2-Dichlorobenzene	3.546	146	113916	1941.5560027	ppb		98
16) bis(2-Chloroisopropyl)...	3.581	121	38875	1973.0095901	ppb	#	77
17) 2,2-oxybis(1-chloropro...	3.581	121	38875	1973.0095901	ppb	#	77
18) 2-Methylphenol	3.557	108	94933	1955.5048851	ppb		99
19) Hexachloroethane	3.745	117	47288	1960.1480995	ppb		98
20) N-Nitrosodi-n-propylamine	3.657	70	73236	1945.2296093	ppb		93
21) 3&4-Methyl phenol	3.640	107	108437	1944.7049149	ppb		98
25) Nitrobenzene	3.769	77	108582	1997.3112516	ppb		99
26) Isophorone	3.904	82	196739	1999.7084198	ppb		91
27) 2-Nitrophenol	3.957	139	48119	2009.2847172	ppb		92
28) 2,4-Dimethylphenol	3.963	107	105644	2012.4824235	ppb		99
29) bis(2-Chlorethoxy)methane	4.022	93	125507	1990.8018291	ppb		97
30) 2,4-Dichlorophenol	4.098	162	81707	1974.8719147	ppb		95
32) 1,2,4-Trichlorobenzene	4.157	180	90915	1959.5423374	ppb		99
34) Naphthalene	4.210	128	328109m	1809.3452737	ppb		
35) 4-Chloroaniline	4.228	65	39013	1893.8066718	ppb		97
36) Hexachloro-1,3-butadiene	4.281	225	48303	2025.9323677	ppb		96
40) 4-Chloro-3-methylphenol	4.522	107	86918	1955.2896931	ppb		99
41) 2-Methylnaphthalene	4.651	142	212130	1903.1494243	ppb		99
42) 1-Methylnaphthalene	4.722	142	203440	1885.7796900	ppb		99

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 09.D
Acq On : 11 Feb 2022 12:23 pm
Operator : 917
Sample : STD SVMS 2K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 6 Sample Multiplier: 1
InstName : BNAMS20

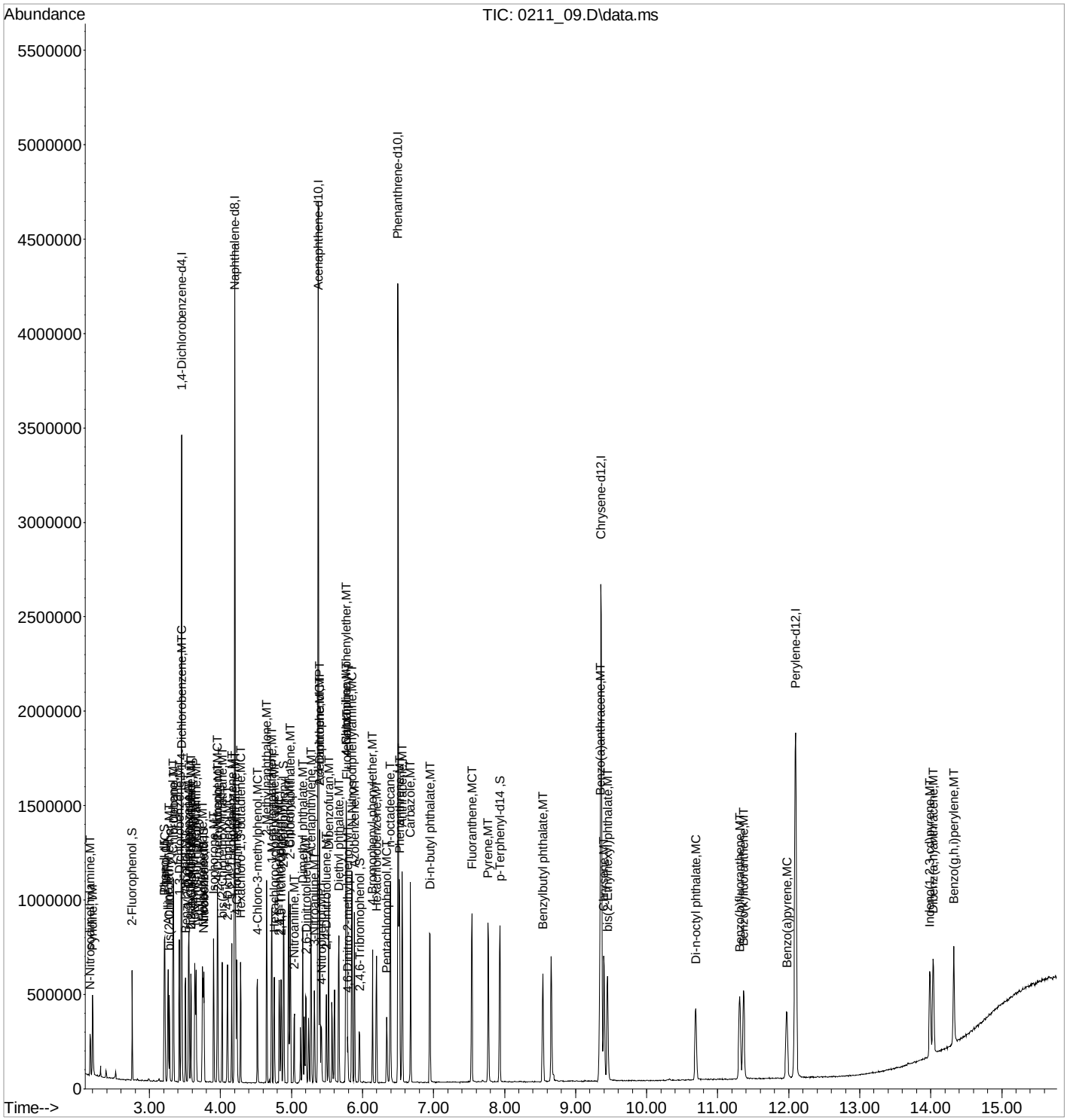
Quant Time: Feb 11 15:18:34 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:17:04 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.757	237	56787	1993.7684648 ppb		99
48)	2,4,6-Trichlorophenol	4.828	196	54560	2074.2959358 ppb		95
49)	2,4,5-Trichlorophenol	4.851	196	60597	2036.4427167 ppb		98
51)	Biphenyl	4.963	154	263080	1972.7145940 ppb		99
52)	2-Chloronaphthalene	4.981	162	198450	1830.5358839 ppb		97
53)	2-Nitroaniline	5.040	138	55990	1970.0278151 ppb		95
54)	Acenaphthylene	5.275	152	310430	1930.8603074 ppb		99
55)	Dimethyl phthalate	5.157	163	228225	2008.8790516 ppb		97
56)	2,6-Dinitrotoluene	5.204	165	48156	2105.4618985 ppb		96
57)	3-Nitroaniline	5.322	138	55074	2116.0124484 ppb		90
58)	Acenaphthene	5.398	153	207922	1776.2236520 ppb		97
59)	2,4-Dinitrophenol	5.398	184	15709	1645.0774977 ppb	#	23
60)	Dibenzofuran	5.522	168	283935	1956.7909920 ppb		100
61)	2,4-Dinitrotoluene	5.492	165	58120	2049.7813837 ppb		92
63)	4-Nitrophenol	5.422	139	41589m	1984.1225652 ppb		
64)	Fluorene	5.775	166	237219	1845.7370151 ppb		100
65)	4-Chlorophenyl-phenyle...	5.769	204	104247	1985.4208386 ppb		97
66)	Diethyl phthalate	5.669	149	233701	2000.2314466 ppb		99
67)	4-Nitroaniline	5.769	138	56305	2056.4641490 ppb		95
68)	Azobenzene	5.887	77	244431	2033.9407584 ppb		98
71)	4,6-Dinitro-2-methylph...	5.792	198	22018	1939.2723211 ppb		96
72)	N-Nitrosodiphenylamine	5.851	169	199547	2004.1125810 ppb		99
74)	4-Bromophenyl-phenylether	6.139	248	54520	1981.9289386 ppb	#	76
75)	Hexachlorobenzene	6.198	284	62138	1939.8441980 ppb		97
76)	n-octadecane	6.386	55	43051	2067.9878648 ppb		97
77)	Pentachlorophenol	6.339	266	28786	2065.6220752 ppb		92
78)	Phenanthrene	6.522	178	345572	1723.8863182 ppb		98
79)	Anthracene	6.557	178	342355	1832.2562772 ppb		99
80)	Carbazole	6.675	167	322324	1975.9865205 ppb		99
81)	Di-n-butyl phthalate	6.951	149	374743	2031.8480597 ppb		99
83)	Fluoranthene	7.539	202	334032	1773.9955102 ppb		98
86)	Pyrene	7.769	202	343633	1747.5247232 ppb		99
88)	Benzylbutyl phthalate	8.539	149	142189	2040.6488272 ppb		99
90)	Benzo(a)anthracene	9.345	228	308969	1618.2105159 ppb		99
91)	Chrysene	9.398	228	312680	1486.6908598 ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.451	149	193243	1980.6671117 ppb		99
93)	Di-n-octyl phthalate	10.692	149	279495	1892.1188196 ppb		99
95)	Benzo(b)fluoranthene	11.310	252	275889	1733.0379681 ppb		97
96)	Benzo(k)fluoranthene	11.363	252	276002	1713.9362123 ppb		99
97)	Benzo(a)pyrene	11.974	252	227302	1838.0280698 ppb		99
98)	Indeno(1,2,3-cd)pyrene	13.986	276	223330	1770.8429749 ppb		99
99)	Dibenz(a,h)anthracene	14.033	278	249331	1765.3834096 ppb		98
100)	Benzo(g,h,i)perylene	14.327	276	254960	1712.6778369 ppb		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

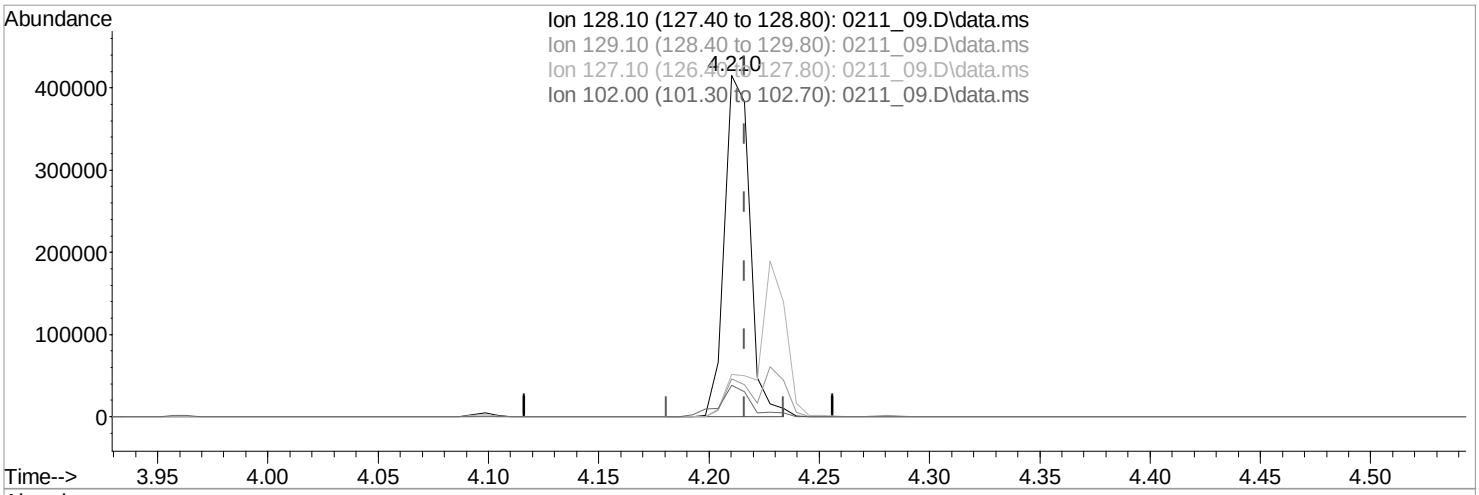
Data Path : C:\msdchem\1\data\021122\
Data File : 0211 09.D
Acq On : 11 Feb 2022 12:23 pm
Operator : 917
Sample : STD SVMS 2K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 6 Sample Multiplier: 1
InstName : BNAMS20

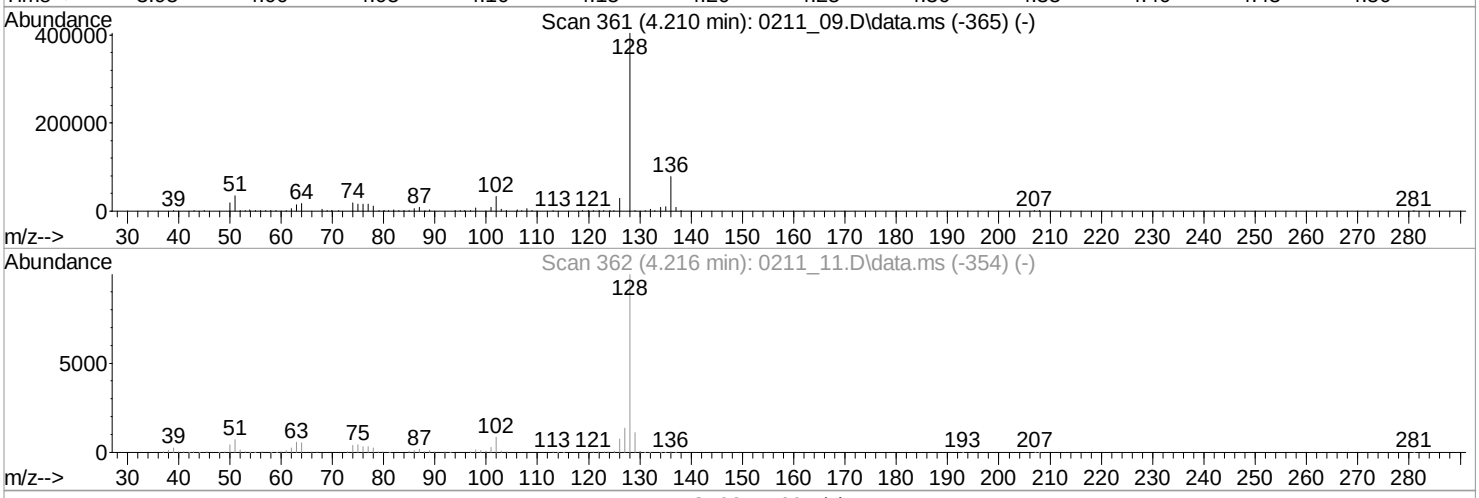
Quant Time: Feb 11 15:18:34 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:17:04 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Data Path : C:\msdchem\1\data\021122\
Data File : 0211 09.D
Acq On : 11 Feb 2022 12:23 pm
Operator : 917
Sample : STD SVMS 2K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 6 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:17:07 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:17:04 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_09.D\data.ms

(34) Naphthalene (MT)

4.210min (-0.006) 1829.5171830 ppb

Qvalue = 99

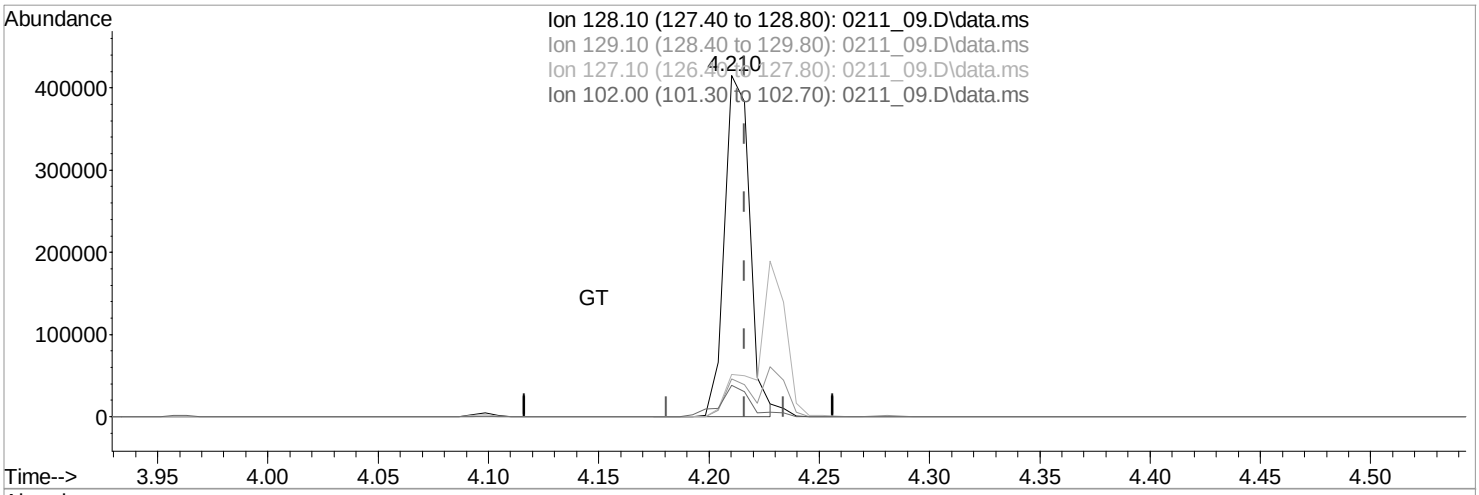
response 331767

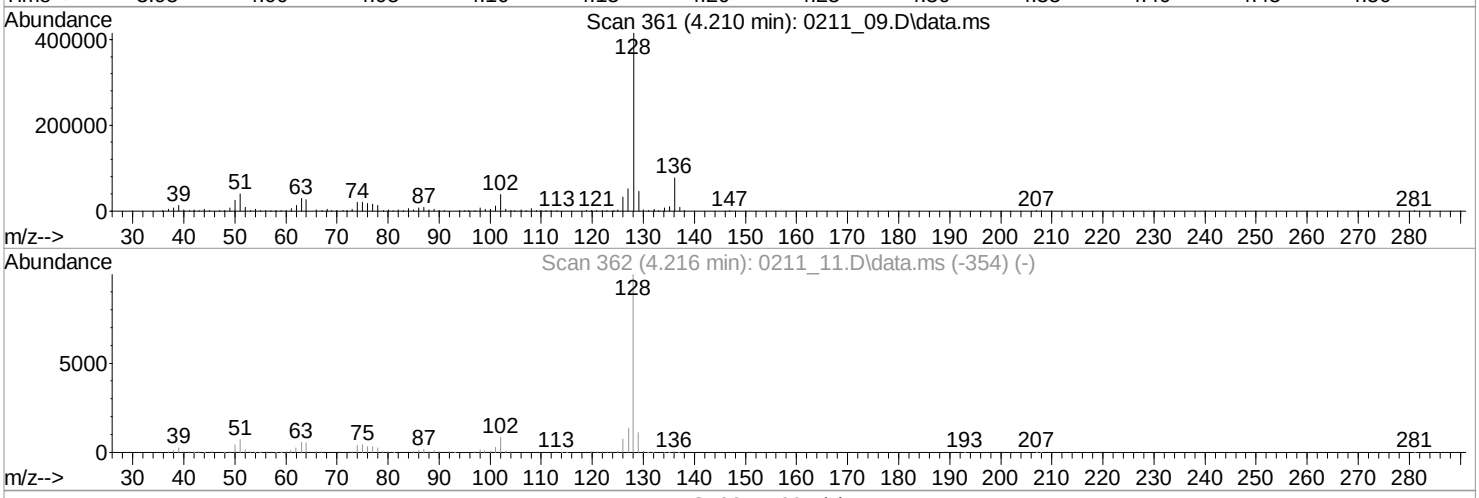
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.12
127.10	13.40	12.47
102.00	8.60	9.20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 09.D
Acq On : 11 Feb 2022 12:23 pm
Operator : 917
Sample : STD SVMS 2K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 6 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:17:07 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:17:04 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_09.D\data.ms

(34) Naphthalene (MT)

4.210min (-0.006) 1809.3452737 ppb m

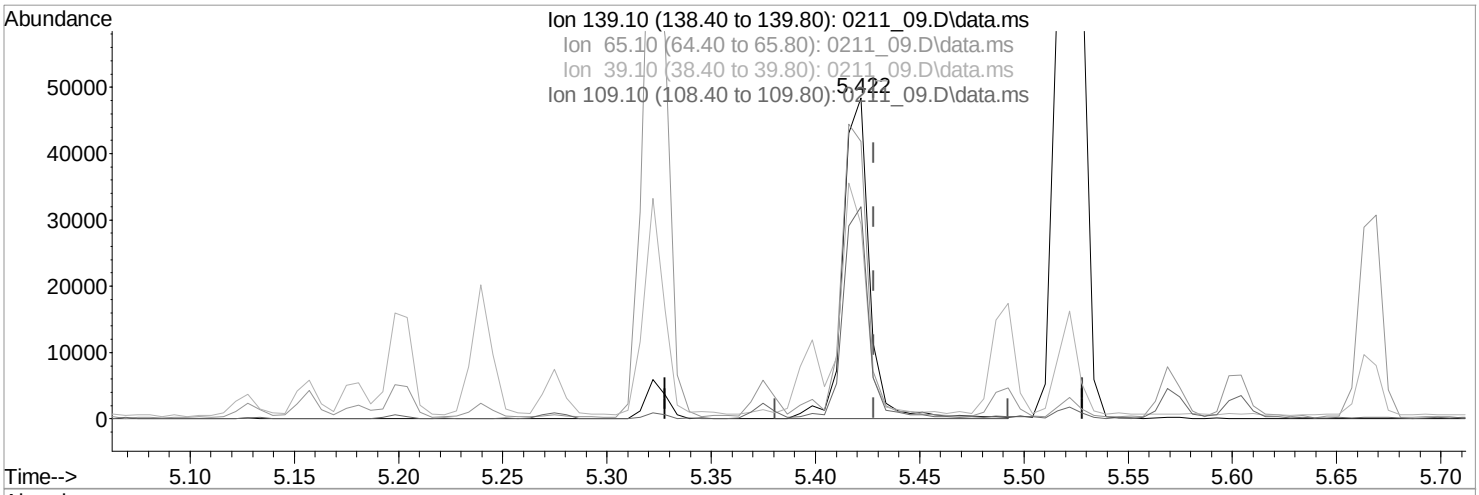
response 328109

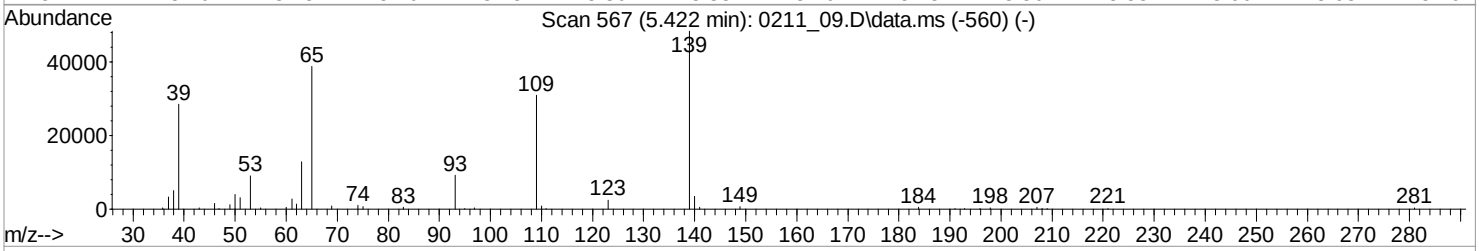
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.12
127.10	13.40	12.47
102.00	8.60	9.20

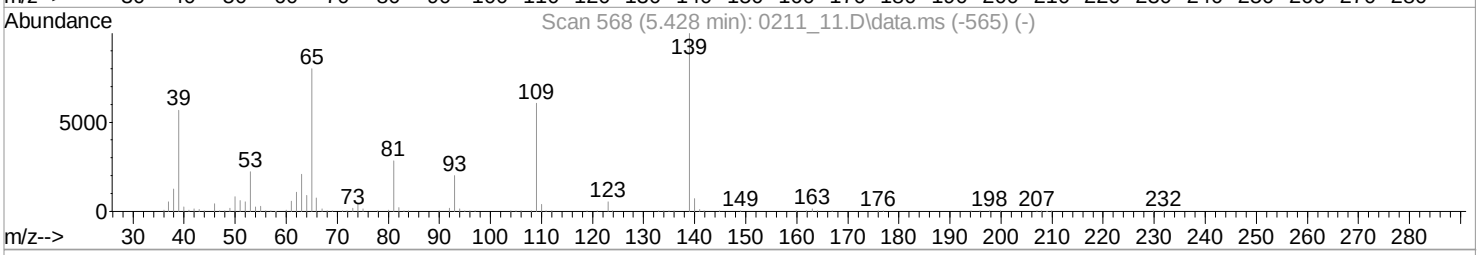
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 09.D
Acq On : 11 Feb 2022 12:23 pm
Operator : 917
Sample : STD SVMS 2K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 6 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:17:07 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:17:04 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_09.D\data.ms

(63) 4-Nitrophenol (MPT)

5.422min (-0.006) 2062.5065940 ppb

Qvalue = 98

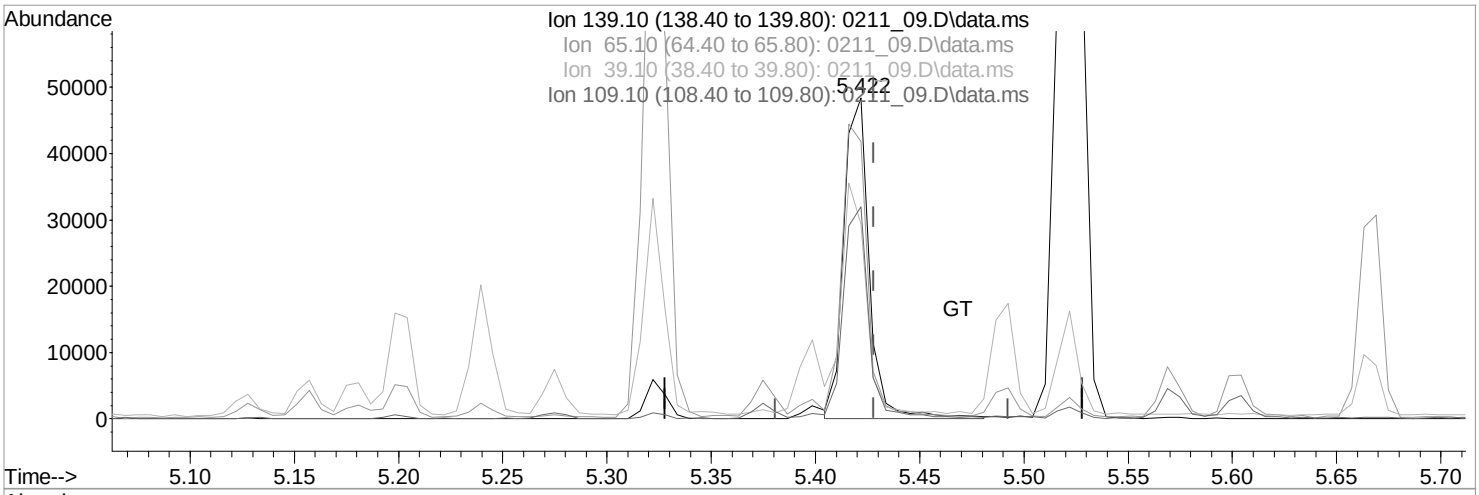
response 43232

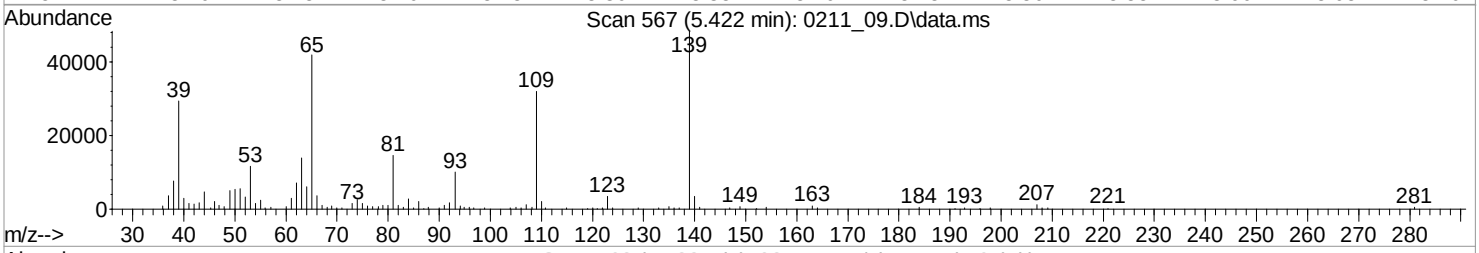
Ion	Exp%	Act%
139.10	100	100
65.10	81.20	79.94
39.10	58.80	58.78
109.10	61.10	65.42

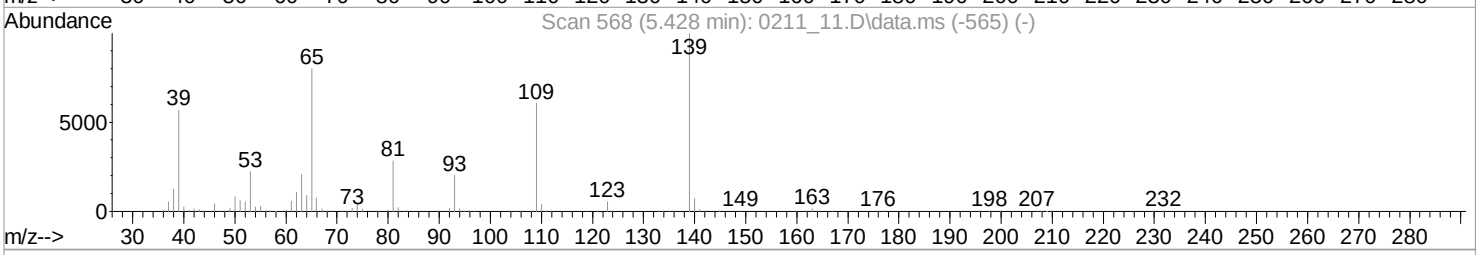
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 09.D
Acq On : 11 Feb 2022 12:23 pm
Operator : 917
Sample : STD SVMS 2K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 6 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:17:07 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:17:04 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_09.D\data.ms

(63) 4-Nitrophenol (MPT)

5.422min (-0.006) 1984.1225652 ppb m

response 41589

Ion	Exp%	Act%
139.10	100	100
65.10	81.20	86.58
39.10	58.80	60.74
109.10	61.10	66.18

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 10.D
Acq On : 11 Feb 2022 12:45 pm
Operator : 917
Sample : STD SVMS 5K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 7 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:19:49 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:18:55 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.452	152	316621	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.199	136	1293535	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.375	164	722283	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.498	188	1274803	8000.0000000	ppb	0.00
84) Chrysene-d12	9.363	240	1073797	8000.0000000	ppb	0.00
94) Perylene-d12	12.098	264	1019342	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.757	112	226787	4968.7193652	ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 124.22%#			
7) Phenol-d5	3.210	99	283634	4934.3786342	ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 123.36%#			
24) Nitrobenzene-d5	3.757	82	283628	4963.1245531	ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 248.16%#			
50) 2-Fluorobiphenyl	4.887	172	515607	4679.2715967	ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 233.96%#			
73) 2,4,6-Tribromophenol	5.957	330	58195	5309.8933598	ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 132.75%			
87) p-Terphenyl-d14	7.934	244	613348	4730.5907425	ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 236.53%#			
Target Compounds						Qvalue
2) Pyridine	2.199	79	250907	4855.7143018	ppb	100
3) N-Nitrosodimethylamine	2.163	42	142158	4964.5309875	ppb	98
5) Aniline	3.263	66	138189	4942.1232821	ppb	98
6) bis(2-Chloroethyl)ether	3.281	93	230597	4927.9877364	ppb	94
8) Phenol	3.216	94	299972	4954.0161032	ppb	92
10) 2-Chlorophenol	3.334	128	253993	5042.4874657	ppb	99
11) n-Decane	3.340	41	157419	4638.4942701	ppb	98
12) 1,3-Dichlorobenzene	3.422	146	274193	4884.0319470	ppb	99
13) 1,4-Dichlorobenzene	3.457	146	280089	4817.2551273	ppb	92
14) Benzyl Alcohol	3.510	79	196086	4960.2067557	ppb	98
15) 1,2-Dichlorobenzene	3.546	146	263950	4879.9124873	ppb	99
16) bis(2-Chloroisopropyl)...	3.587	121	88213	4837.2649442	ppb	95
17) 2,2-oxybis(1-chloropro...	3.587	121	88213	4837.2649442	ppb	95
18) 2-Methylphenol	3.557	108	223470	4984.5270520	ppb	99
19) Hexachloroethane	3.746	117	110728	4967.1242345	ppb	99
20) N-Nitrosodi-n-propylamine	3.657	70	175906	5065.8372310	ppb	97
21) 3&4-Methyl phenol	3.646	107	254795	4954.7314827	ppb	99
25) Nitrobenzene	3.769	77	254375	4939.5163612	ppb	99
26) Isophorone	3.904	82	475592	5101.5563417	ppb	92
27) 2-Nitrophenol	3.957	139	122006	5370.0512804	ppb	93
28) 2,4-Dimethylphenol	3.963	107	249753	5012.9915447	ppb	100
29) bis(2-Chlorethoxy)methane	4.022	93	289023	4843.5993855	ppb	99
30) 2,4-Dichlorophenol	4.099	162	192113	4915.6255719	ppb	96
32) 1,2,4-Trichlorobenzene	4.157	180	212481	4857.5491256	ppb	98
34) Naphthalene	4.210	128	768629m	4559.9087695	ppb	
35) 4-Chloroaniline	4.228	65	92227	4788.1084596	ppb	99
36) Hexachloro-1,3-butadiene	4.281	225	110255	4864.2929810	ppb	94
40) 4-Chloro-3-methylphenol	4.516	107	208464	4976.7123868	ppb	91
41) 2-Methylnaphthalene	4.651	142	491005	4694.1772081	ppb	99
42) 1-Methylnaphthalene	4.722	142	470336	4654.0173964	ppb	99

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 10.D
Acq On : 11 Feb 2022 12:45 pm
Operator : 917
Sample : STD SVMS 5K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 7 Sample Multiplier: 1
InstName : BNAMS20

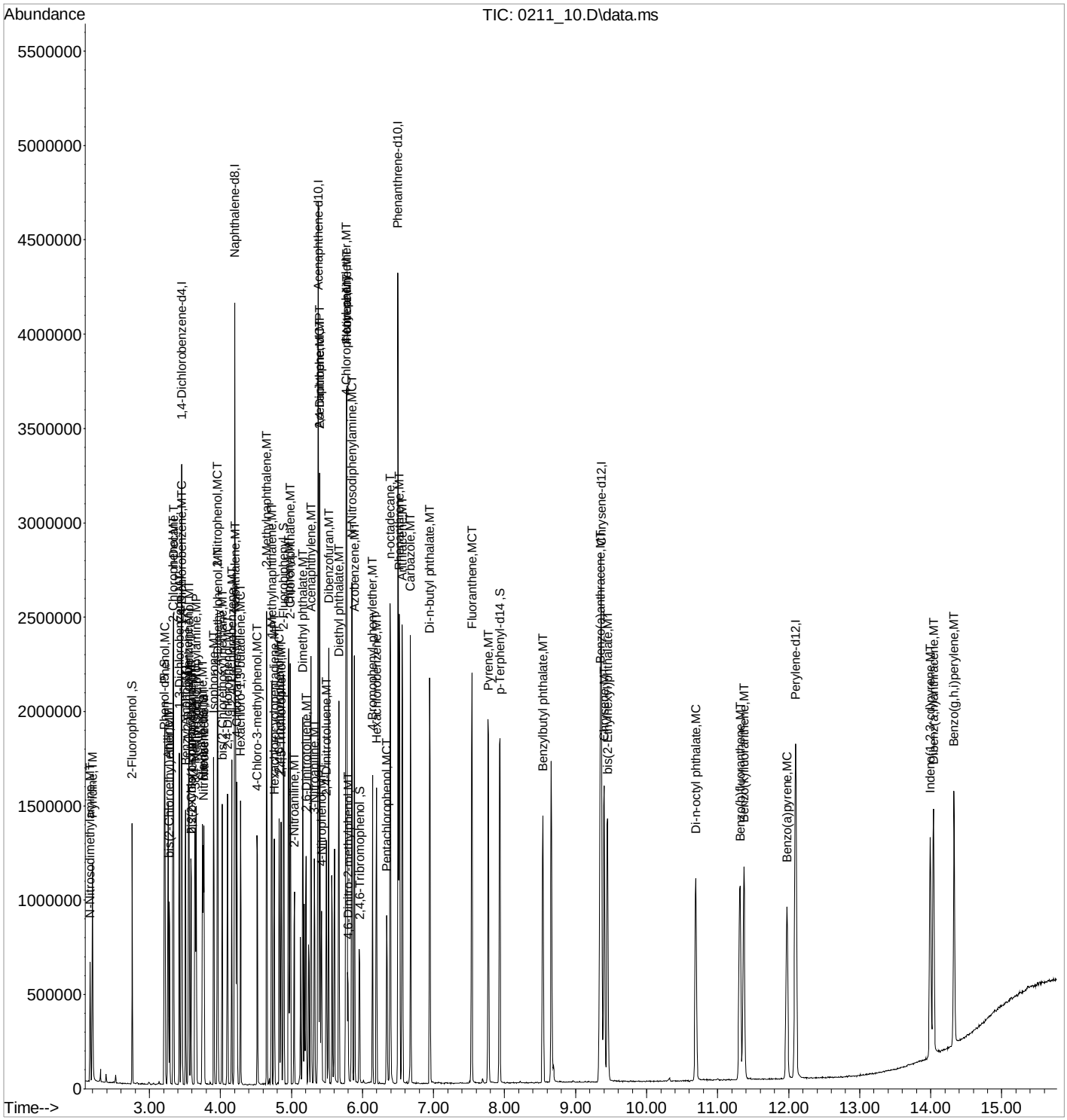
Quant Time: Feb 11 15:19:49 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:18:55 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.757	237	137664	4972.0317370	ppb		97
48)	2,4,6-Trichlorophenol	4.828	196	129932	5030.9162940	ppb		96
49)	2,4,5-Trichlorophenol	4.851	196	145386	4999.4138051	ppb		96
51)	Biphenyl	4.963	154	608052	4702.7317225	ppb		100
52)	2-Chloronaphthalene	4.981	162	471888	4551.3284032	ppb		97
53)	2-Nitroaniline	5.040	138	147911	5369.5983695	ppb		96
54)	Acenaphthylene	5.275	152	726145	4674.9065892	ppb		100
55)	Dimethyl phthalate	5.157	163	540805	4887.6355341	ppb		96
56)	2,6-Dinitrotoluene	5.204	165	123700	5486.9144390	ppb		89
57)	3-Nitroaniline	5.322	138	142105	5531.9408616	ppb		92
58)	Acenaphthene	5.398	153	490636	4406.9160410	ppb		99
59)	2,4-Dinitrophenol	5.398	184	48839	5587.7274718	ppb	#	96
60)	Dibenzofuran	5.522	168	657969	4686.3235391	ppb		100
61)	2,4-Dinitrotoluene	5.493	165	157898	5688.7095208	ppb		91
63)	4-Nitrophenol	5.422	139	112254m	5515.7417575	ppb		
64)	Fluorene	5.775	166	563435	4576.8347296	ppb		100
65)	4-Chlorophenyl-phenyle...	5.769	204	244336	4792.0124451	ppb		97
66)	Diethyl phthalate	5.669	149	554285	4876.2900558	ppb		100
67)	4-Nitroaniline	5.775	138	152263	5676.2741099	ppb		97
68)	Azobenzene	5.887	77	596630	5081.5681331	ppb		100
71)	4,6-Dinitro-2-methylph...	5.798	198	63778	5824.4120499	ppb	#	80
72)	N-Nitrosodiphenylamine	5.851	169	477499	4932.1599464	ppb		99
74)	4-Bromophenyl-phenylether	6.140	248	129208	4844.1183106	ppb	#	79
75)	Hexachlorobenzene	6.198	284	145995	4725.3778822	ppb		98
76)	n-octadecane	6.387	55	93352	4575.3476143	ppb		99
77)	Pentachlorophenol	6.340	266	74606	5463.9459563	ppb		90
78)	Phenanthrene	6.516	178	800843	4227.5481537	ppb		98
79)	Anthracene	6.557	178	813678	4557.4289098	ppb		100
80)	Carbazole	6.675	167	777542	4919.6220848	ppb		100
81)	Di-n-butyl phthalate	6.945	149	918606	5104.7262308	ppb		99
83)	Fluoranthene	7.540	202	790645	4420.6365676	ppb		100
86)	Pyrene	7.775	202	818236	4383.6361551	ppb		99
88)	Benzylbutyl phthalate	8.539	149	359286	5268.2121818	ppb		99
90)	Benzo(a)anthracene	9.345	228	736645	4119.1335823	ppb		99
91)	Chrysene	9.404	228	729699	3755.5311445	ppb		98
92)	bis(2-Ethylhexyl)phtha...	9.451	149	506746	5346.5131197	ppb		99
93)	Di-n-octyl phthalate	10.692	149	766592	5402.0277926	ppb		99
95)	Benzo(b)fluoranthene	11.316	252	669706	4474.8093600	ppb		99
96)	Benzo(k)fluoranthene	11.369	252	686709	4544.9068920	ppb		99
97)	Benzo(a)pyrene	11.975	252	569347	4844.8789960	ppb		99
98)	Indeno(1,2,3-cd)pyrene	13.992	276	553152	4647.4049165	ppb		99
99)	Dibenz(a,h)anthracene	14.039	278	613923	4608.4241080	ppb		99
100)	Benzo(g,h,i)perylene	14.327	276	620959	4446.2373497	ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 10.D
Acq On : 11 Feb 2022 12:45 pm
Operator : 917
Sample : STD SVMS 5K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 7 Sample Multiplier: 1
InstName : BNAMS20

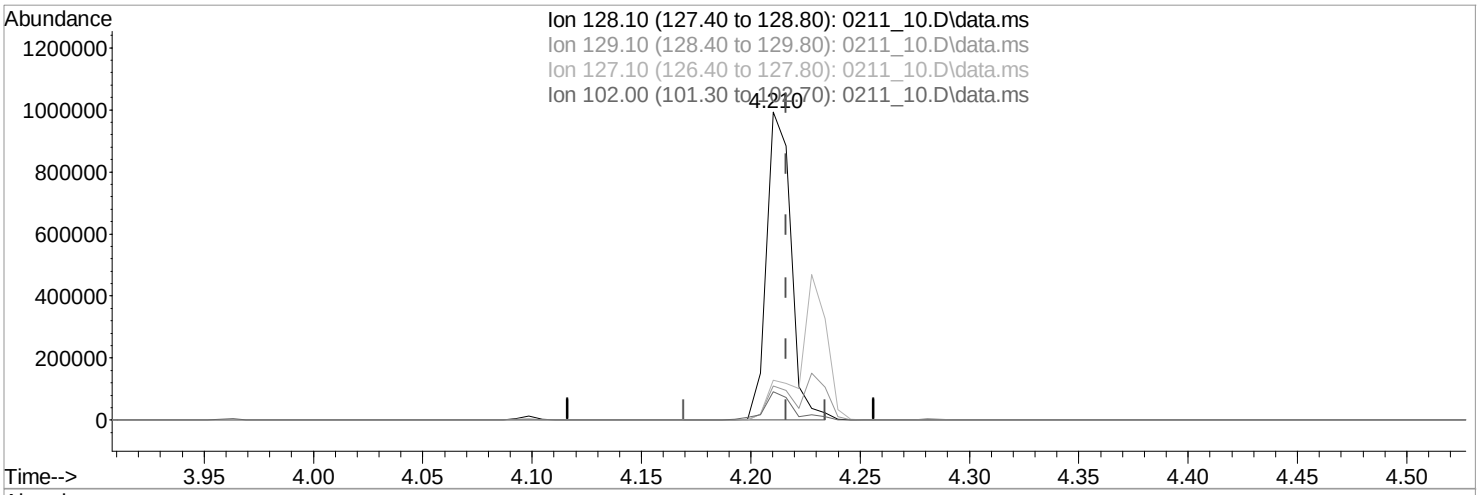
Quant Time: Feb 11 15:19:49 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:18:55 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

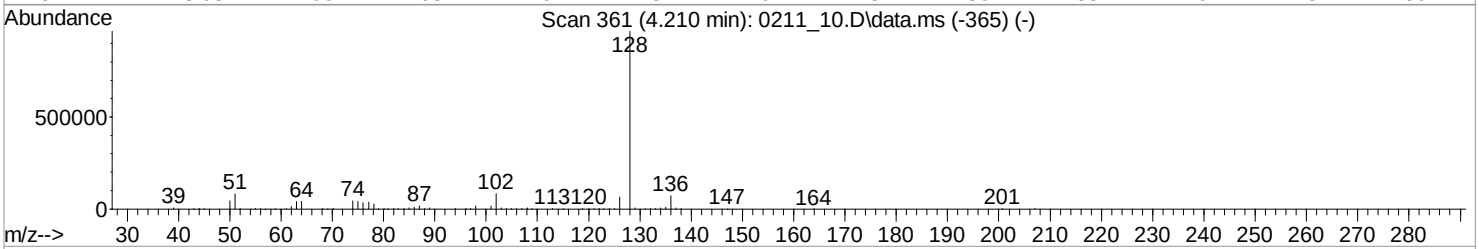


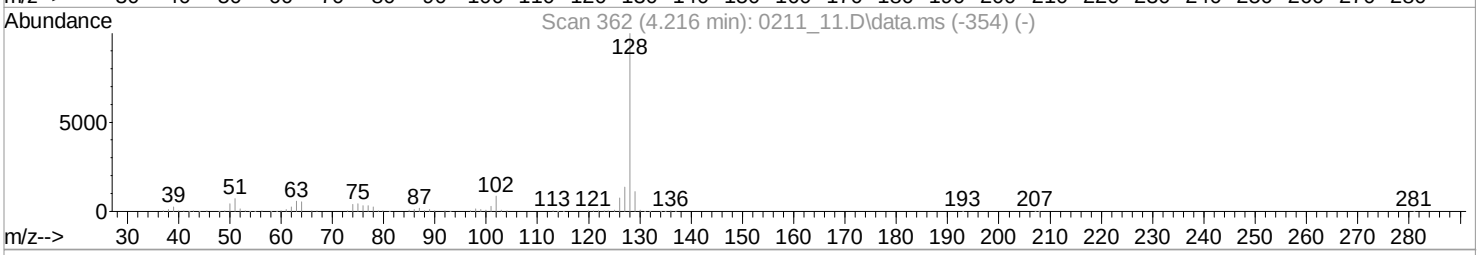
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 10.D
Acq On : 11 Feb 2022 12:45 pm
Operator : 917
Sample : STD SVMS 5K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 7 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:18:58 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:18:55 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_10.D\data.ms

(34) Naphthalene (MT)

4.210min (-0.006) 4611.1064379 ppb

Qvalue = 99

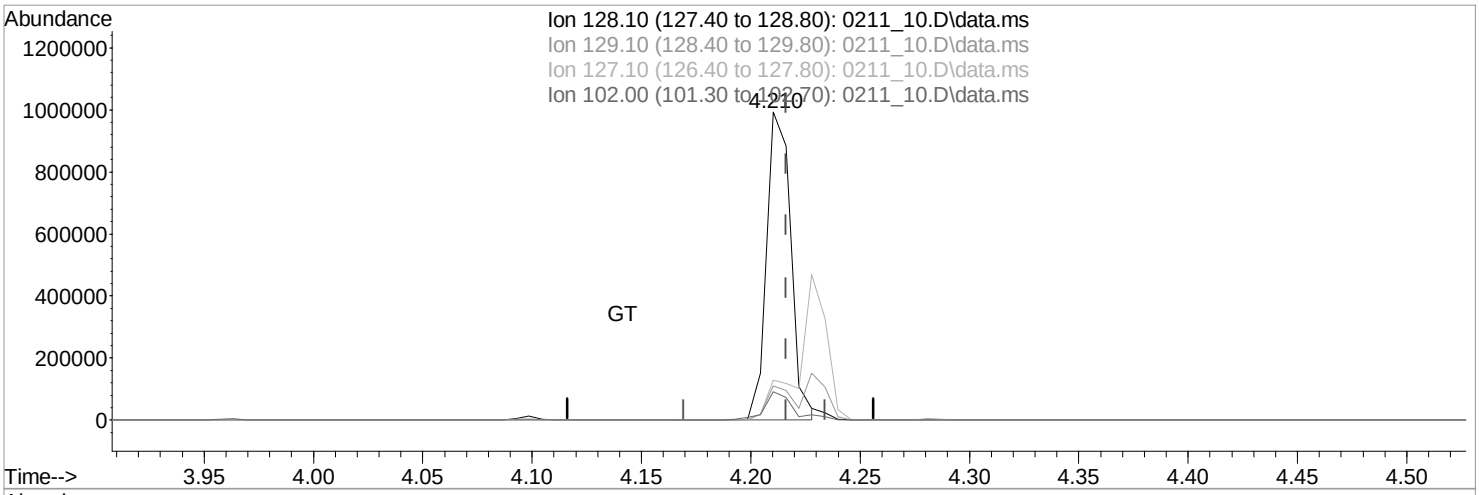
response 777259

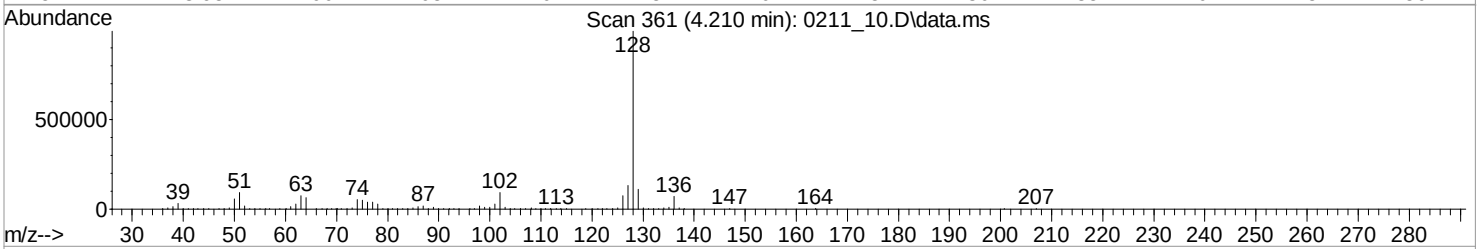
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.16
127.10	13.40	13.00
102.00	8.60	9.24

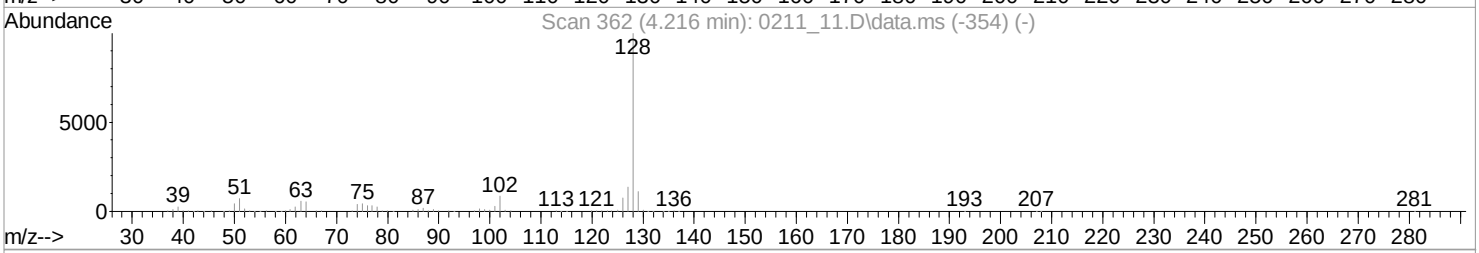
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 10.D
Acq On : 11 Feb 2022 12:45 pm
Operator : 917
Sample : STD SVMS 5K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 7 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:18:58 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:18:55 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_10.D\data.ms

(34) Naphthalene (MT)

4.210min (-0.006) 4559.9087695 ppb m

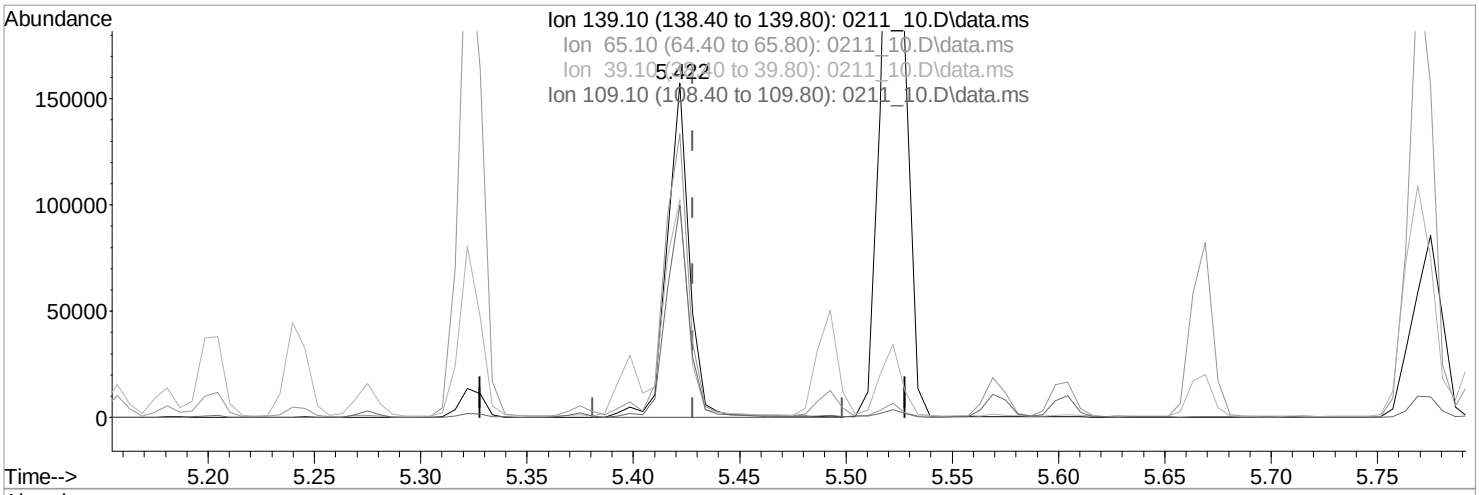
response 768629

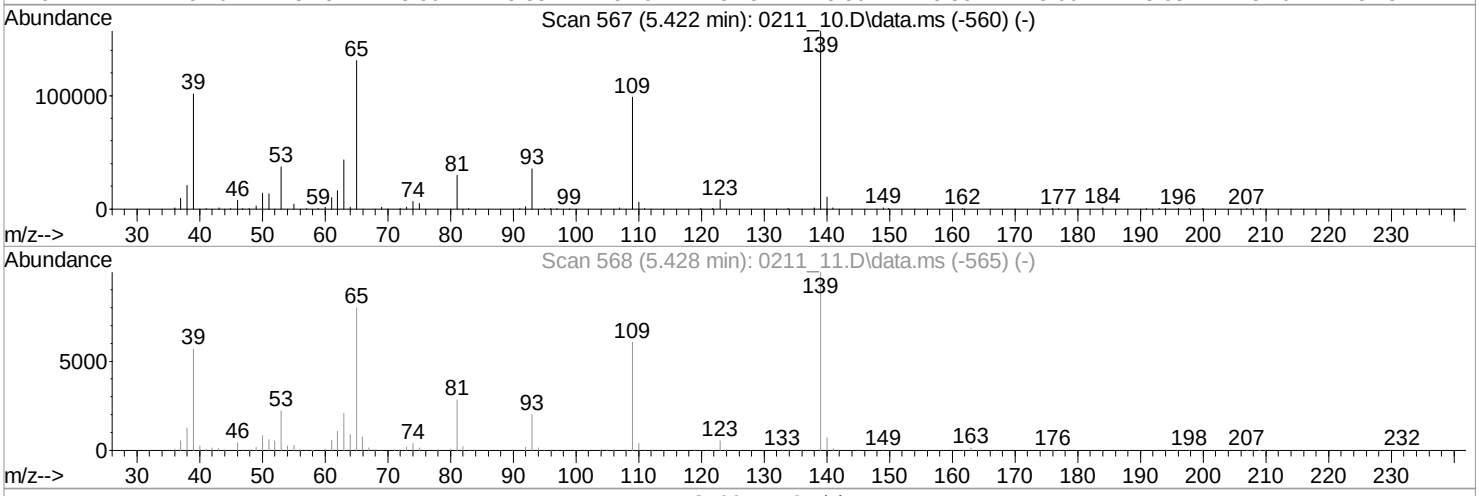
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.16
127.10	13.40	13.00
102.00	8.60	9.24

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 10.D
Acq On : 11 Feb 2022 12:45 pm
Operator : 917
Sample : STD SVMS 5K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 7 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:18:58 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:18:55 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_10.D\data.ms

(63) 4-Nitrophenol (MPT)

5.422min (-0.006) 5701.8699113 ppb

Qvalue = 96

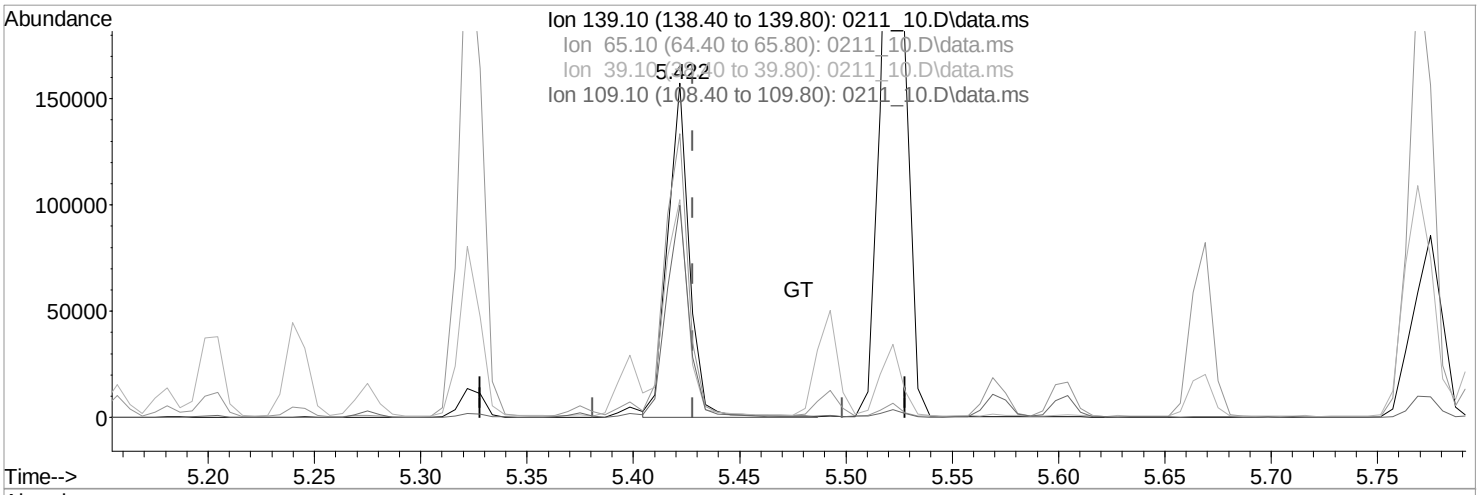
response 116042

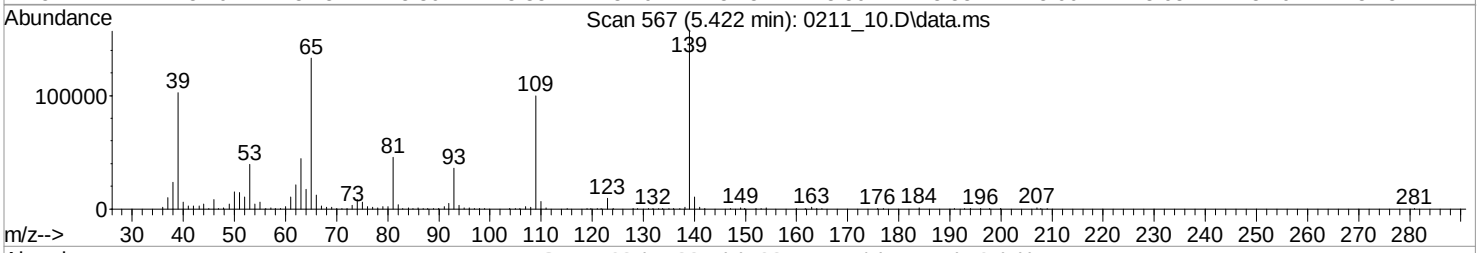
Ion	Exp%	Act%
139.10	100	100
65.10	81.20	83.12
39.10	58.80	64.66
109.10	61.10	63.04

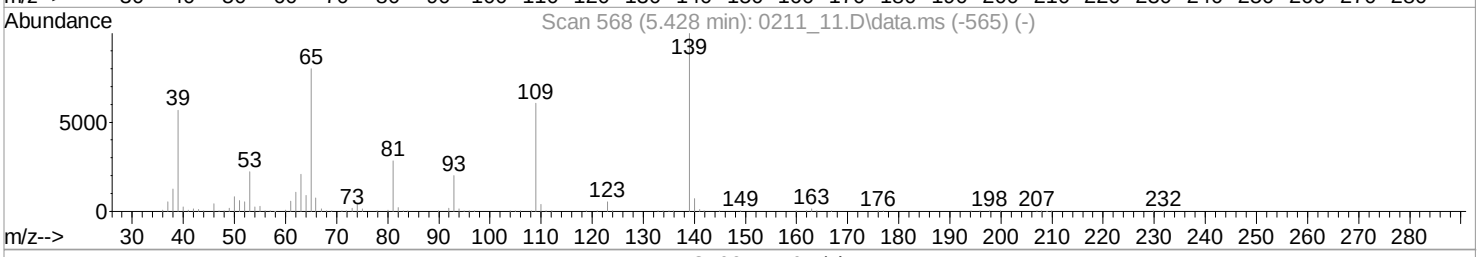
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 10.D
Acq On : 11 Feb 2022 12:45 pm
Operator : 917
Sample : STD SVMS 5K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 7 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:18:58 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:18:55 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_10.D\data.ms

(63) 4-Nitrophenol (MPT)

5.422min (-0.006) 5515.7417575 ppb m

response 112254

Ion	Exp%	Act%
139.10	100	100
65.10	81.20	84.86
39.10	58.80	65.15
109.10	61.10	63.38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 11.D
Acq On : 11 Feb 2022 1:07 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 8 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:10:19 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:08:41 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.452	152	332953	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.199	136	1342555	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.375	164	739780	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.504	188	1305675	8000.0000000 ppb	0.00
84) Chrysene-d12	9.363	240	1101888	8000.0000000 ppb	0.00
94) Perylene-d12	12.098	264	1038059	8000.0000000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.757	112	481251	10000.0000000 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 250.00%#		
7) Phenol-d5	3.210	99	605127	10000.0000000 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 250.00%#		
24) Nitrobenzene-d5	3.757	82	610007	10006.3153889 ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 500.32%#		
50) 2-Fluorobiphenyl	4.893	172	1101449	10000.0000000 ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 500.00%#		
73) 2,4,6-Tribromophenol	5.957	330	129918	10022.9129539 ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 250.57%#		
87) p-Terphenyl-d14	7.934	244	1300939	9986.6889081 ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 499.33%#		
Target Compounds					Qvalue
2) Pyridine	2.199	79	526525	10000.0000000 ppb	100
3) N-Nitrosodimethylamine	2.163	42	298586	10000.0000000 ppb	100
5) Aniline	3.263	66	292999	10000.0000000 ppb	100
6) bis(2-Chloroethyl)ether	3.287	93	500449	10000.0000000 ppb	100
8) Phenol	3.222	94	648963	10000.0000000 ppb	100
10) 2-Chlorophenol	3.334	128	549479	10000.0000000 ppb	100
11) n-Decane	3.340	41	326457	10000.0000000 ppb	100
12) 1,3-Dichlorobenzene	3.422	146	574620	10000.0000000 ppb	100
13) 1,4-Dichlorobenzene	3.463	146	595476	10000.0000000 ppb	100
14) Benzyl Alcohol	3.510	79	429801	10000.0000000 ppb	100
15) 1,2-Dichlorobenzene	3.546	146	562946	10000.0000000 ppb	100
16) bis(2-Chloroisopropyl)...	3.587	121	187555	10000.0000000 ppb	100
17) 2,2-oxybis(1-chloropro...	3.587	121	187555	10000.0000000 ppb	100
18) 2-Methylphenol	3.557	108	479814	10082.4772163 ppb	100
19) Hexachloroethane	3.746	117	232817	10000.0000000 ppb	100
20) N-Nitrosodi-n-propylamine	3.657	70	381748	10000.0000000 ppb	100
21) 3&4-Methyl phenol	3.646	107	547460	9934.0584365 ppb	100
25) Nitrobenzene	3.769	77	543517	10011.6599495 ppb	100
26) Isophorone	3.910	82	1026554	10000.0000000 ppb	100
27) 2-Nitrophenol	3.957	139	277380	10002.9931806 ppb	100
28) 2,4-Dimethylphenol	3.963	107	528036	10001.9699507 ppb	100
29) bis(2-Chlorethoxy)methane	4.022	93	613381	9996.8870809 ppb	100
30) 2,4-Dichlorophenol	4.099	162	420081	9988.8004337 ppb	100
32) 1,2,4-Trichlorobenzene	4.157	180	447075	10000.0000000 ppb	100
34) Naphthalene	4.216	128	1606695m	10000.3112075 ppb	
35) 4-Chloroaniline	4.228	65	197246	9995.1353488 ppb	100
36) Hexachloro-1,3-butadiene	4.287	225	235109	10000.0000000 ppb	100
40) 4-Chloro-3-methylphenol	4.522	107	452582	9994.7881930 ppb	100
41) 2-Methylnaphthalene	4.651	142	1035590	10000.0000000 ppb	100
42) 1-Methylnaphthalene	4.722	142	1000012	10005.1425816 ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 11.D
Acq On : 11 Feb 2022 1:07 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 8 Sample Multiplier: 1
InstName : BNAMS20

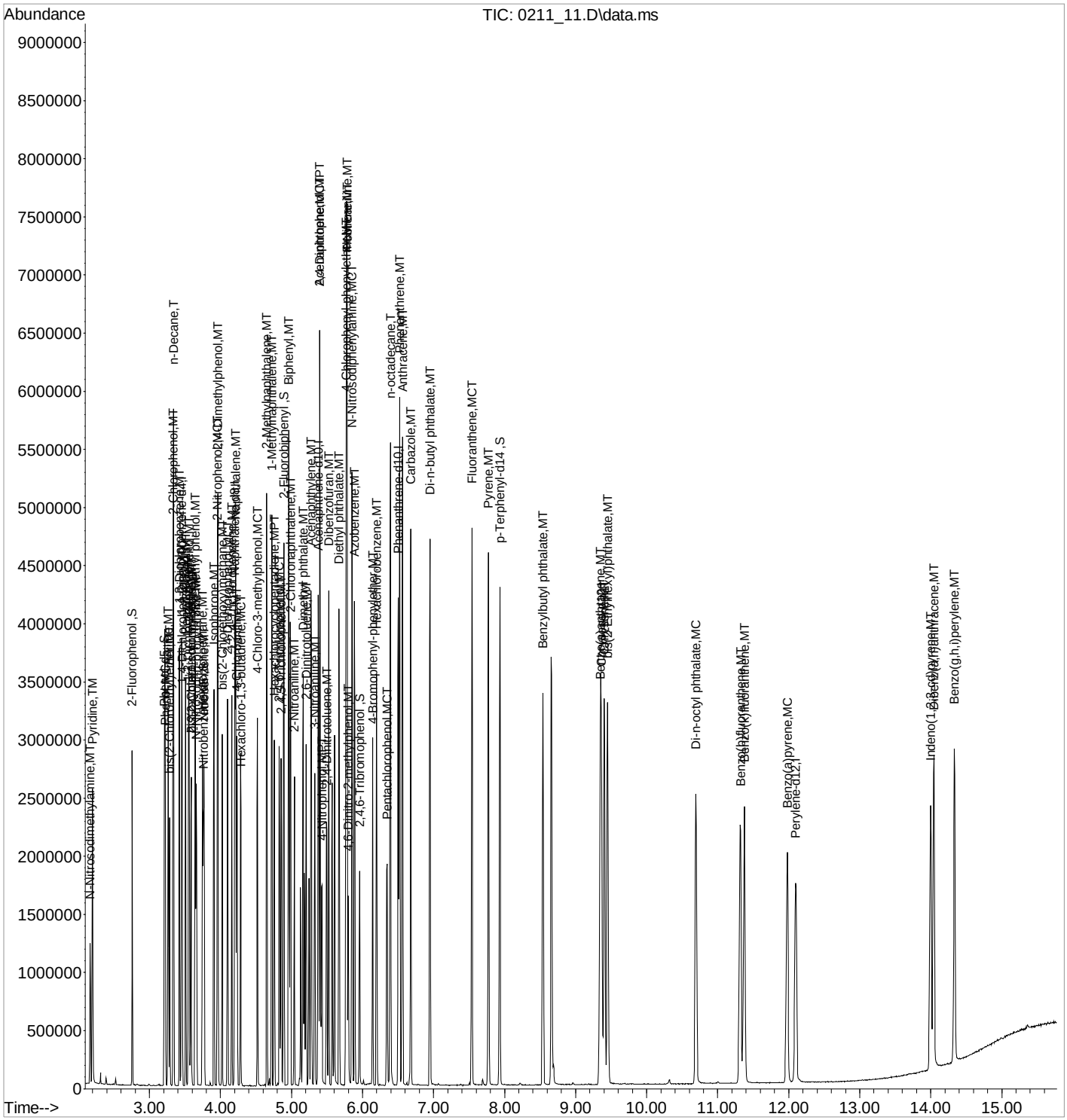
Quant Time: Feb 11 15:10:19 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:08:41 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
47)	Hexachlorocyclopentadiene	4.757	237	302459	10000.0000000 ppb	100
48)	2,4,6-Trichlorophenol	4.828	196	288572	10000.0000000 ppb	100
49)	2,4,5-Trichlorophenol	4.851	196	319085	9968.8205872 ppb	100
51)	Biphenyl	4.963	154	1278058	10000.0000000 ppb	100
52)	2-Chloronaphthalene	4.987	162	991706	10000.8571823 ppb	100
53)	2-Nitroaniline	5.040	138	348355	10000.0000000 ppb	100
54)	Acenaphthylene	5.275	152	1537188	10000.0000000 ppb	100
55)	Dimethyl phthalate	5.163	163	1137701	10000.0000000 ppb	100
56)	2,6-Dinitrotoluene	5.204	165	266814	10000.0000000 ppb	100
57)	3-Nitroaniline	5.328	138	314400	10000.0000000 ppb	100
58)	Acenaphthene	5.398	153	1029405	10000.0000000 ppb	100
59)	2,4-Dinitrophenol	5.398	184	119662	9999.8328654 ppb	100
60)	Dibenzofuran	5.522	168	1386431	10000.0000000 ppb	100
61)	2,4-Dinitrotoluene	5.498	165	345831	10000.0000000 ppb	100
63)	4-Nitrophenol	5.428	139	251018m	9638.0425810 ppb	
64)	Fluorene	5.781	166	1195627	10000.0000000 ppb	100
65)	4-Chlorophenyl-phenyle...	5.769	204	518146	10000.0000000 ppb	100
66)	Diethyl phthalate	5.669	149	1192702	10000.0000000 ppb	100
67)	4-Nitroaniline	5.781	138	349059	10064.3548513 ppb	100
68)	Azobenzene	5.887	77	1246005	10000.0000000 ppb	100
71)	4,6-Dinitro-2-methylph...	5.798	198	160552	10009.4763092 ppb	100
72)	N-Nitrosodiphenylamine	5.851	169	1011585	10007.2711085 ppb	100
74)	4-Bromophenyl-phenylether	6.145	248	279959	10000.0000000 ppb	100
75)	Hexachlorobenzene	6.198	284	311545	10000.0000000 ppb	100
76)	n-octadecane	6.393	55	198044	10000.0000000 ppb	100
77)	Pentachlorophenol	6.345	266	176649	9977.5200935 ppb	100
78)	Phenanthrene	6.522	178	1689081	10000.0000000 ppb	100
79)	Anthracene	6.563	178	1733067	10001.8467786 ppb	100
80)	Carbazole	6.681	167	1632346	9987.3471471 ppb	100
81)	Di-n-butyl phthalate	6.951	149	1997325	9992.6655663 ppb	100
83)	Fluoranthene	7.539	202	1683545	9994.4315259 ppb	100
86)	Pyrene	7.775	202	1747008	9993.6674647 ppb	100
88)	Benzylbutyl phthalate	8.539	149	825973	10008.2152442 ppb	100
90)	Benzo(a)anthracene	9.345	228	1565061	10000.0000000 ppb	100
91)	Chrysene	9.404	228	1539910	10000.0000000 ppb	100
92)	bis(2-Ethylhexyl)phtha...	9.451	149	1162277	10000.0000000 ppb	100
93)	Di-n-octyl phthalate	10.692	149	1827759	10014.5526033 ppb	100
95)	Benzo(b)fluoranthene	11.322	252	1434120	10000.0000000 ppb	100
96)	Benzo(k)fluoranthene	11.375	252	1445761	9982.2485452 ppb	100
97)	Benzo(a)pyrene	11.980	252	1229747	10000.0000000 ppb	100
98)	Indeno(1,2,3-cd)pyrene	13.998	276	1203808	9999.3687099 ppb	100
99)	Dibenz(a,h)anthracene	14.045	278	1299469m	9961.4564081 ppb	
100)	Benzo(g,h,i)perylene	14.333	276	1304298	10000.0000000 ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 11.D
Acq On : 11 Feb 2022 1:07 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 8 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:10:19 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:08:41 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050322\
Data File : 0503 03.D
Acq On : 3 May 2022 5:45 am
Operator : 917
Sample : ICV SVMS 10K ppb 22D19627 exp 10/01/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 03 06:31:58 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.340	152	303335	8000.0000000 ppb		0.00
23) Naphthalene-d8	4.081	136	1209435	8000.0000000 ppb		0.00
46) Acenaphthene-d10	5.245	164	661999	8000.0000000 ppb		0.00
70) Phenanthrene-d10	6.363	188	1157228	8000.0000000 ppb		0.00
84) Chrysene-d12	9.128	240	965140	8000.0000000 ppb		0.00
94) Perylene-d12	11.786	264	916686	8000.0000000 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.699	112	479284	11085.7261674 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 277.14%#			
7) Phenol-d5	3.163	99	585569	10633.7835952 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 265.84%#			
24) Nitrobenzene-d5	3.651	82	478106m	9345.3276228 ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 467.27%#			
50) 2-Fluorobiphenyl	4.769	172	1072094	11097.5294531 ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 554.88%#			
73) 2,4,6-Tribromophenol	5.834	330	164240	13902.6025508 ppb		0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 347.57%#			
87) p-Terphenyl-d14	7.751	244	1281576	11241.8008413 ppb		0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 562.09%#			
Target Compounds						Qvalue
2) Pyridine	2.116	79	465628	9803.8529145 ppb		96
3) N-Nitrosodimethylamine	2.087	42	234386	8692.5774219 ppb		86
5) Aniline	3.169	66	463658	17443.6018196 ppb	#	90
6) bis(2-Chloroethyl)ether	3.181	93	391251m	8904.4165722 ppb		
8) Phenol	3.169	94	660996	11484.0897391 ppb	#	55
10) 2-Chlorophenol	3.246	128	535611	10930.8907527 ppb		96
11) n-Decane	3.228	41	260300	8649.2328721 ppb		94
12) 1,3-Dichlorobenzene	3.310	146	564157	10693.9169350 ppb		99
13) 1,4-Dichlorobenzene	3.351	146	574716	10628.2571911 ppb		98
14) Benzyl Alcohol	3.416	79	383427	10004.6725058 ppb		99
15) 1,2-Dichlorobenzene	3.440	146	549854	10776.7430116 ppb		92
16) bis(2-Chloroisopropyl)...	3.475	121	180653	10497.1235436 ppb	#	92
17) 2,2-oxybis(1-chloropro...	3.475	121	180653	10497.1235436 ppb	#	92
18) 2-Methylphenol	3.493	108	447196	10327.1931129 ppb		96
19) Hexachloroethane	3.628	117	234439	10944.6219287 ppb		97
20) N-Nitrosodi-n-propylamine	3.551	70	317745	9352.4670656 ppb		88
21) 3&4-Methyl phenol	3.581	107	514081	10365.1450739 ppb		98
25) Nitrobenzene	3.663	77	476528	9973.1140637 ppb		94
26) Isophorone	3.799	82	893293	10131.3953571 ppb		99
27) 2-Nitrophenol	3.851	139	298209	12491.9317222 ppb	#	64
28) 2,4-Dimethylphenol	3.881	107	423941	9002.1383964 ppb		98
29) bis(2-Chlorethoxy)methane	3.916	93	579718	10651.4597064 ppb		89
30) 2,4-Dichlorophenol	4.010	162	427783	11397.1573239 ppb		95
32) 1,2,4-Trichlorobenzene	4.046	180	447854	11080.9459596 ppb		96
34) Naphthalene	4.098	128	1494060	10685.1626665 ppb		100
35) 4-Chloroaniline	4.128	65	156867	8879.1512268 ppb		78
36) Hexachloro-1,3-butadiene	4.163	225	243710	11398.2503953 ppb		97
40) 4-Chloro-3-methylphenol	4.451	107	425296	10604.5752106 ppb		95
41) 2-Methylnaphthalene	4.534	142	992903	10851.6237267 ppb		99
42) 1-Methylnaphthalene	4.598	142	939456	10748.3579496 ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050322\
Data File : 0503 03.D
Acq On : 3 May 2022 5:45 am
Operator : 917
Sample : ICV SVMS 10K ppb 22D19627 exp 10/01/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 03 06:31:58 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

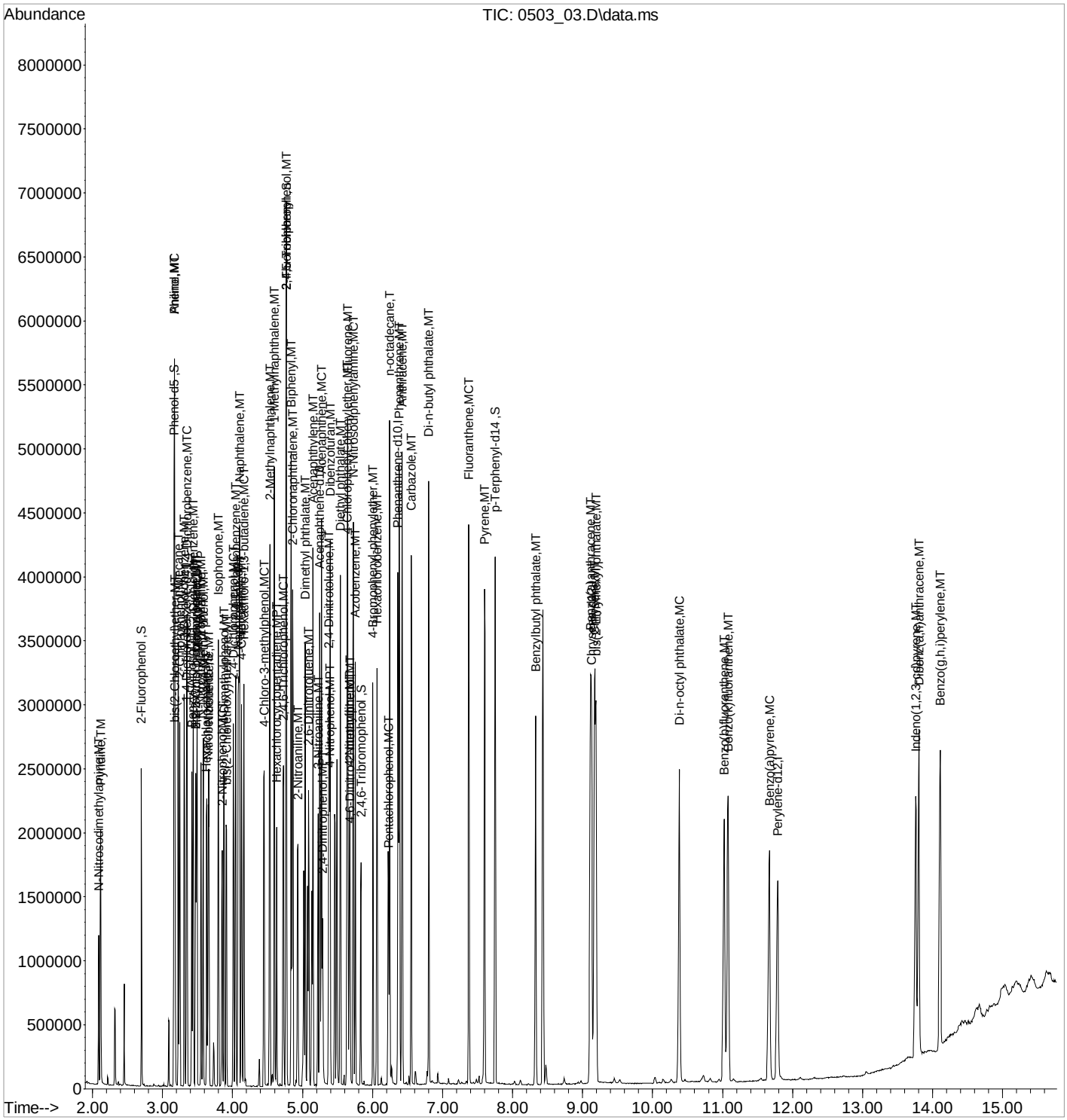
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.628	237	256714	9473.6600590 ppb		99
48)	2,4,6-Trichlorophenol	4.728	196	299032	11639.9496913 ppb	#	85
49)	2,4,5-Trichlorophenol	4.769	196	321649	11491.0629498 ppb		88
51)	Biphenyl	4.840	154	1211114	10855.8125781 ppb		99
52)	2-Chloronaphthalene	4.857	162	942057	10832.3772097 ppb		97
53)	2-Nitroaniline	4.934	138	353096	11835.4503754 ppb		91
54)	Acenaphthylene	5.151	152	1454801	11155.6452653 ppb		99
55)	Dimethyl phthalate	5.040	163	1053289	10661.6062426 ppb		99
56)	2,6-Dinitrotoluene	5.087	165	260561	11484.3449943 ppb		97
57)	3-Nitroaniline	5.222	138	284173	10872.7880156 ppb		88
58)	Acenaphthene	5.269	153	966280	10615.1629511 ppb		96
59)	2,4-Dinitrophenol	5.287	184	154528	11827.4356035 ppb	#	1
60)	Dibenzofuran	5.393	168	1320208	10897.8123686 ppb	#	81
61)	2,4-Dinitrotoluene	5.375	165	344460	11936.6924400 ppb		92
63)	4-Nitrophenol	5.387	139	309518m	14673.0974022 ppb		
64)	Fluorene	5.645	166	1078502	10454.7994955 ppb		99
65)	4-Chlorophenyl-phenyle...	5.634	204	504255	10900.1911770 ppb		98
66)	Diethyl phthalate	5.540	149	1062770	10477.7692074 ppb		98
67)	4-Nitroaniline	5.669	138	310054	10728.6657803 ppb		92
68)	Azobenzene	5.757	77	1002774	9625.0782617 ppb		93
71)	4,6-Dinitro-2-methylph...	5.681	198	196984	11945.9895859 ppb	#	71
72)	N-Nitrosodiphenylamine	5.728	169	922675	10515.8945405 ppb		99
74)	4-Bromophenyl-phenylether	6.004	248	289169	11604.5472998 ppb		90
75)	Hexachlorobenzene	6.063	284	323153	11426.6176554 ppb		99
76)	n-octadecane	6.245	55	165736	9291.1359291 ppb	#	98
77)	Pentachlorophenol	6.228	266	186518	10443.9411085 ppb		97
78)	Phenanthrene	6.381	178	1503583	10129.6238143 ppb		99
79)	Anthracene	6.422	178	1506559	10455.7399393 ppb		98
80)	Carbazole	6.551	167	1433633	10378.9772250 ppb		99
81)	Di-n-butyl phthalate	6.804	149	1813263	11385.5232279 ppb		99
83)	Fluoranthene	7.375	202	1563367	10812.9317447 ppb		99
86)	Pyrene	7.598	202	1603293	10752.3662314 ppb		99
88)	Benzylbutyl phthalate	8.328	149	804215	11681.6069064 ppb		97
90)	Benzo(a)anthracene	9.116	228	1452971	10784.4000733 ppb		99
91)	Chrysene	9.169	228	1376283	9772.9722174 ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.192	149	1164327	12006.6225118 ppb		98
93)	Di-n-octyl phthalate	10.380	149	1893013	11214.1504080 ppb		99
95)	Benzo(b)fluoranthene	11.022	252	1374840	10974.2537625 ppb		99
96)	Benzo(k)fluoranthene	11.080	252	1390168	11198.0015455 ppb		97
97)	Benzo(a)pyrene	11.669	252	1222309	11804.8723675 ppb		99
98)	Indeno(1,2,3-cd)pyrene	13.757	276	1144756m	10863.9882121 ppb		
99)	Dibenz(a,h)anthracene	13.804	278	1248178m	10675.4674794 ppb		
100)	Benzo(g,h,i)perylene	14.110	276	1255919	11102.2872583 ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050322\
Data File : 0503 03.D
Acq On : 3 May 2022 5:45 am
Operator : 917
Sample : ICV SVMS 10K ppb 22D19627 exp 10/01/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

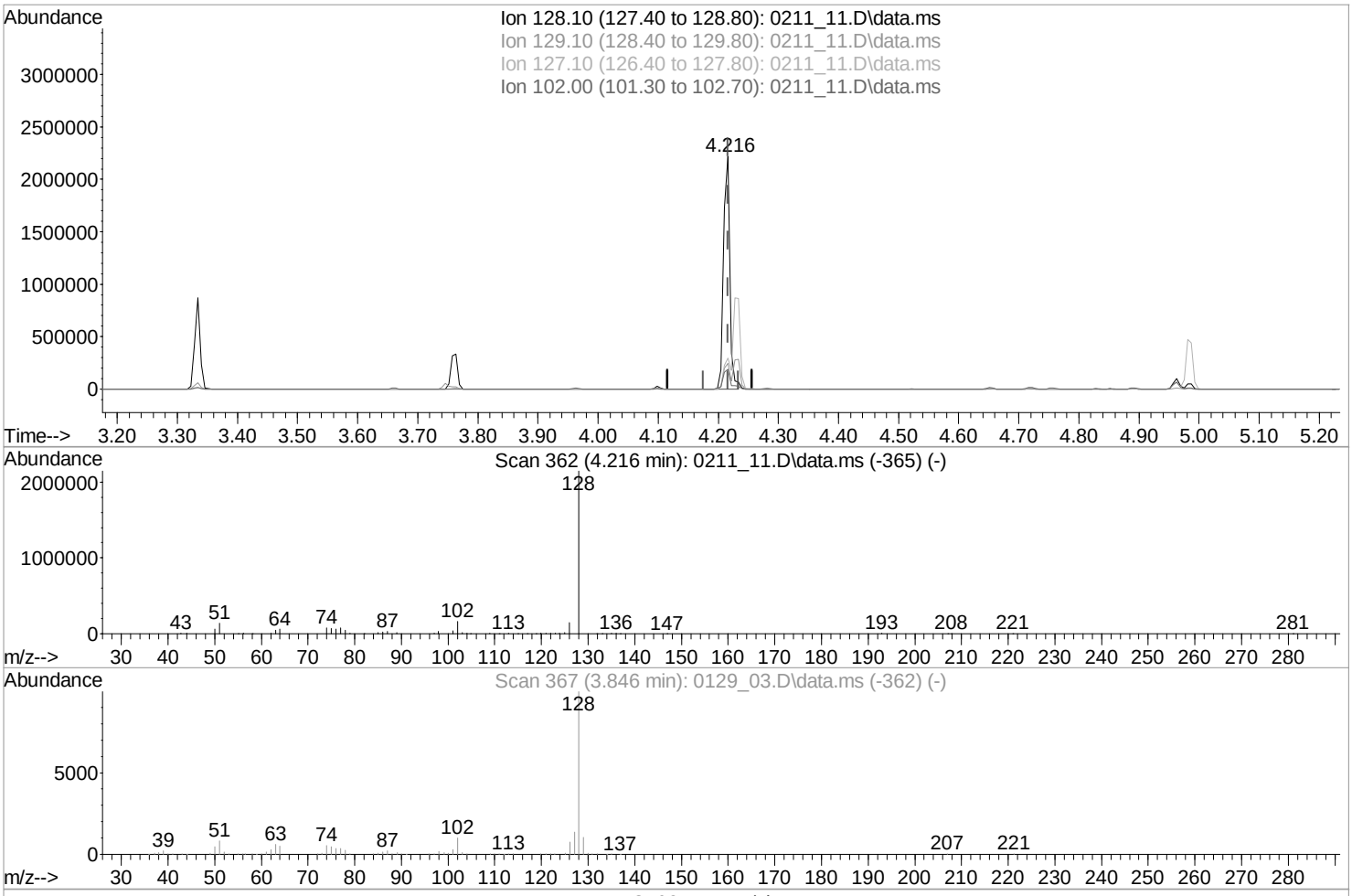
Quant Time: May 03 06:31:58 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 11.D
Acq On : 11 Feb 2022 1:07 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 8 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:08:49 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:08:41 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0211_11.D\data.ms

(34) Naphthalene (MT)

4.216min (0.000) 10149.7094878 ppb

Qvalue = 100

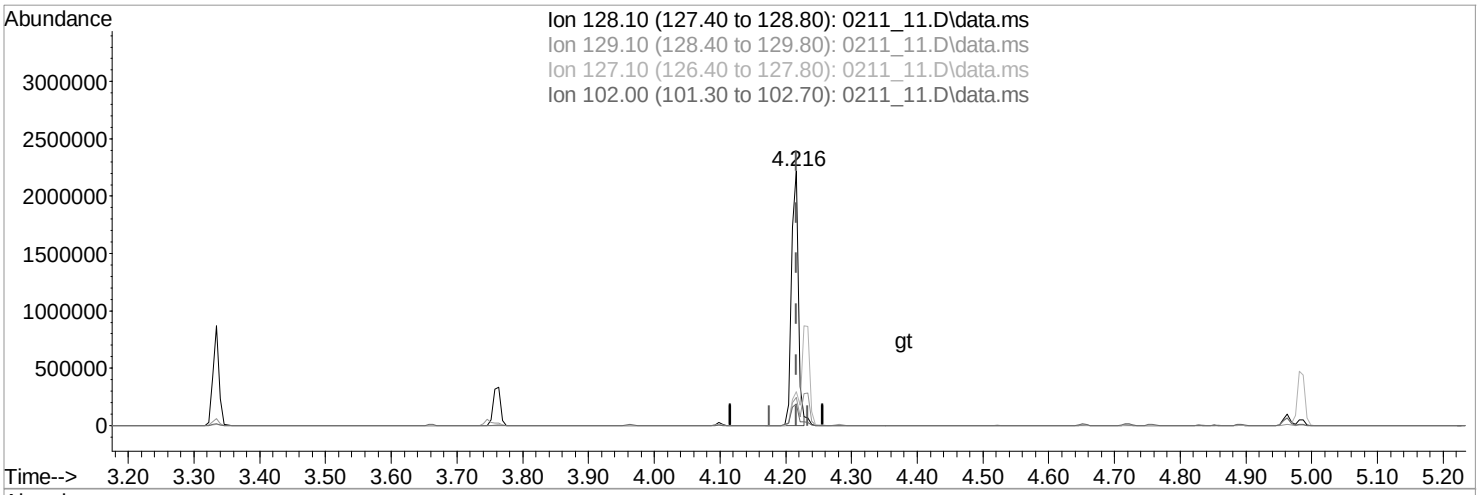
response 1630698

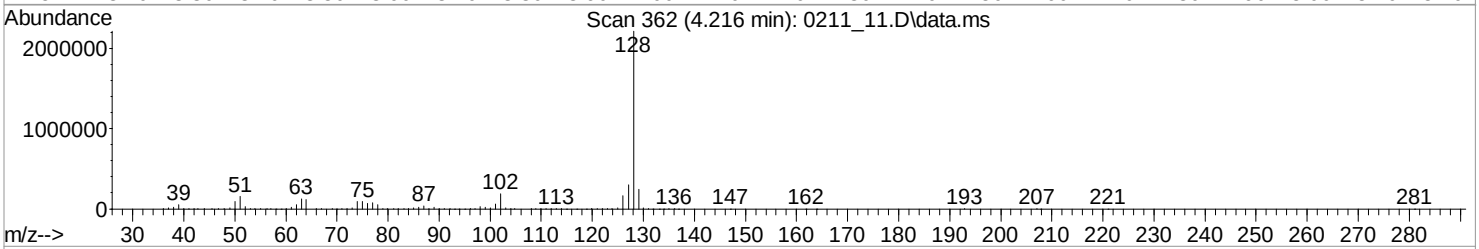
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.06
127.10	13.40	13.38
102.00	8.60	8.58

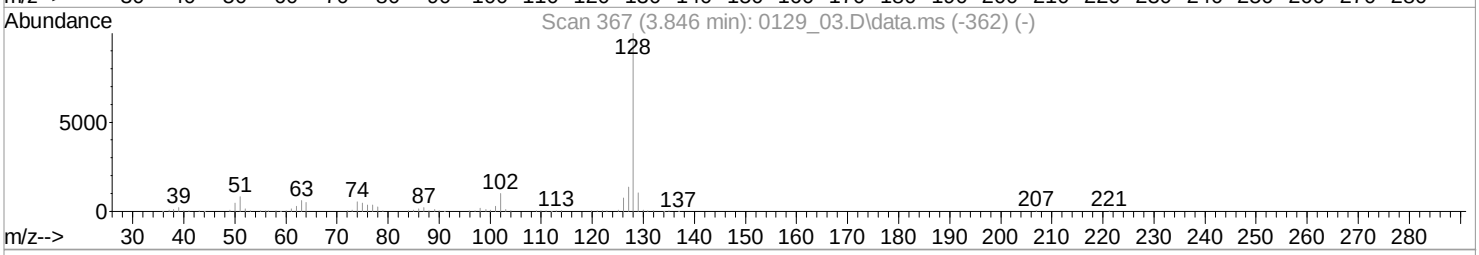
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 11.D
Acq On : 11 Feb 2022 1:07 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 8 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:08:49 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:08:41 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_11.D\data.ms

(34) Naphthalene (MT)

4.216min (0.000) 10000.3112075 ppb m

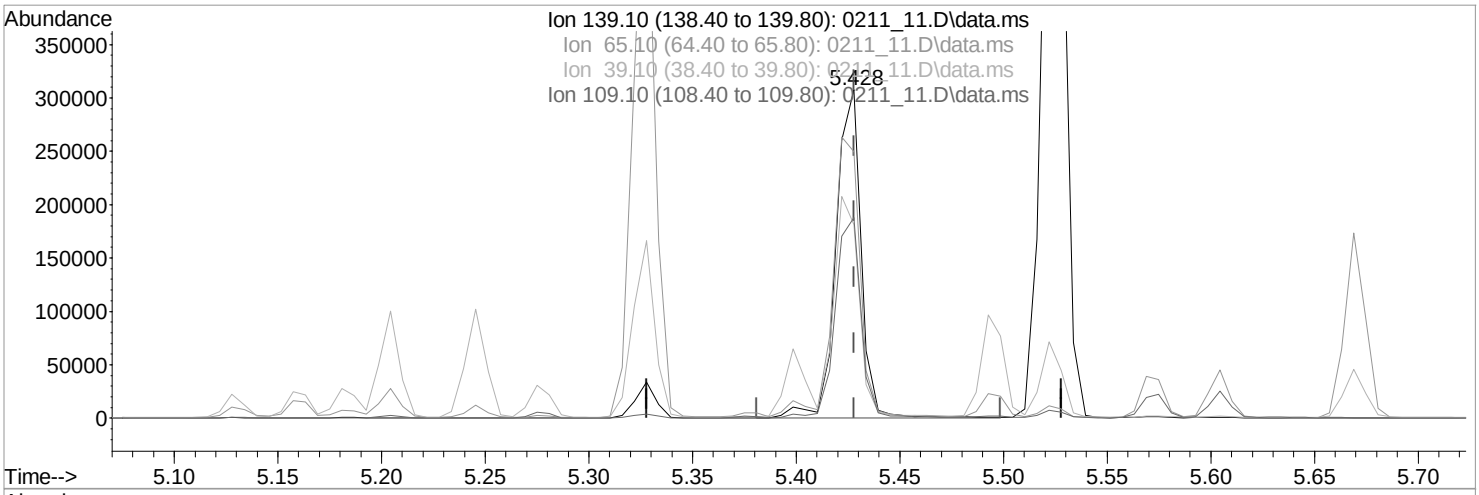
response 1606695

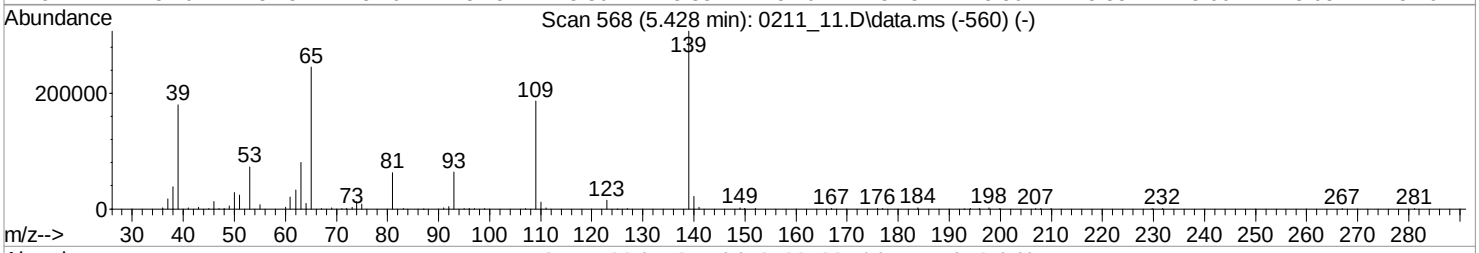
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.06
127.10	13.40	13.38
102.00	8.60	8.58

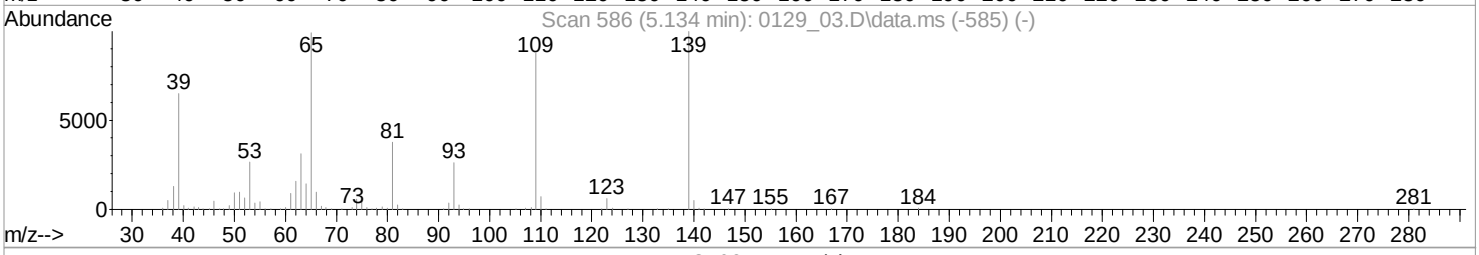
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 11.D
Acq On : 11 Feb 2022 1:07 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 8 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:08:49 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:08:41 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_11.D\data.ms

(63) 4-Nitrophenol (MPT)

5.428min (0.000) 10053.8309432 ppb

Qvalue = 99

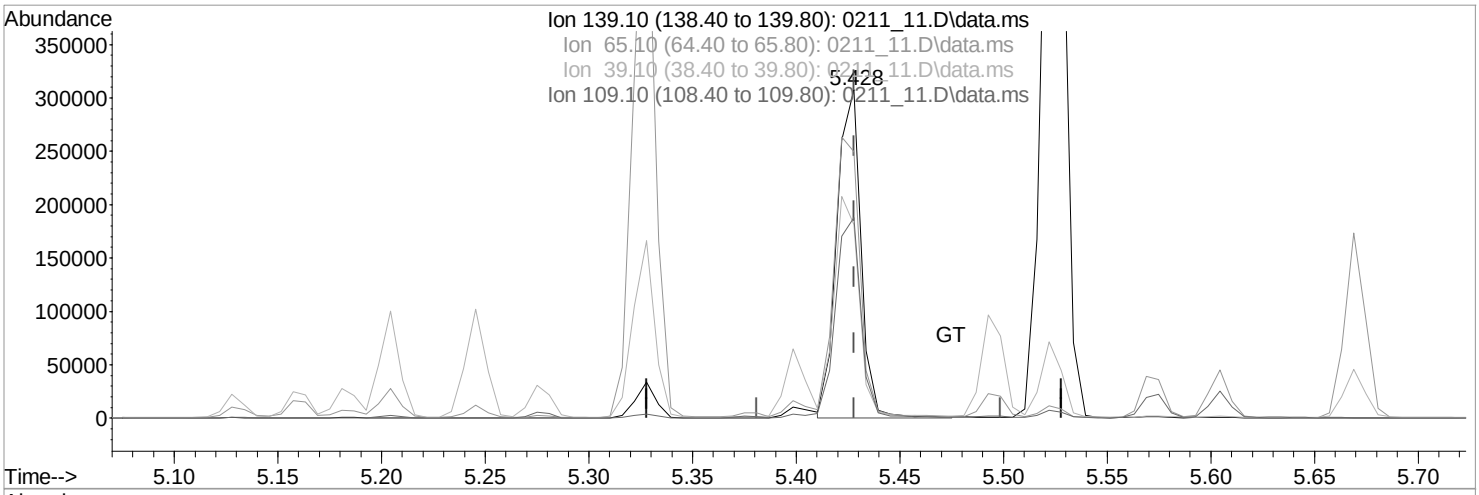
response 261847

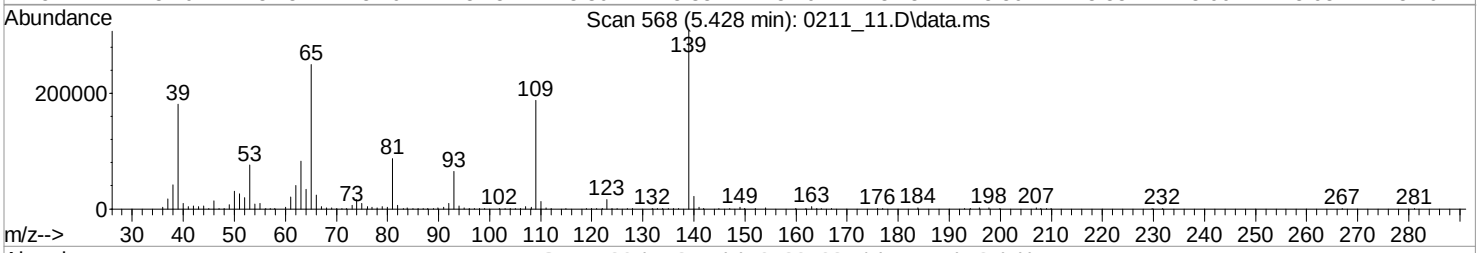
Ion	Exp%	Act%
139.10	100	100
65.10	81.20	79.55
39.10	58.80	58.46
109.10	61.10	60.66

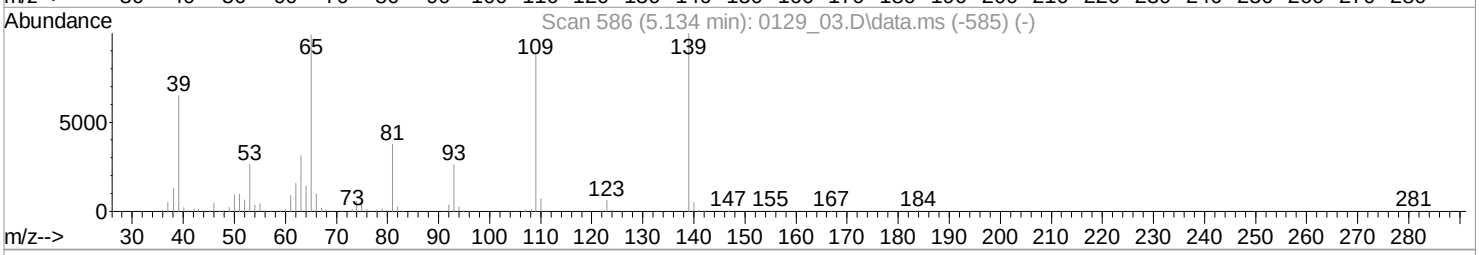
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 11.D
Acq On : 11 Feb 2022 1:07 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 8 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:08:49 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:08:41 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_11.D\data.ms

(63) 4-Nitrophenol (MPT)

5.428min (0.000) 9638.0425810 ppb m

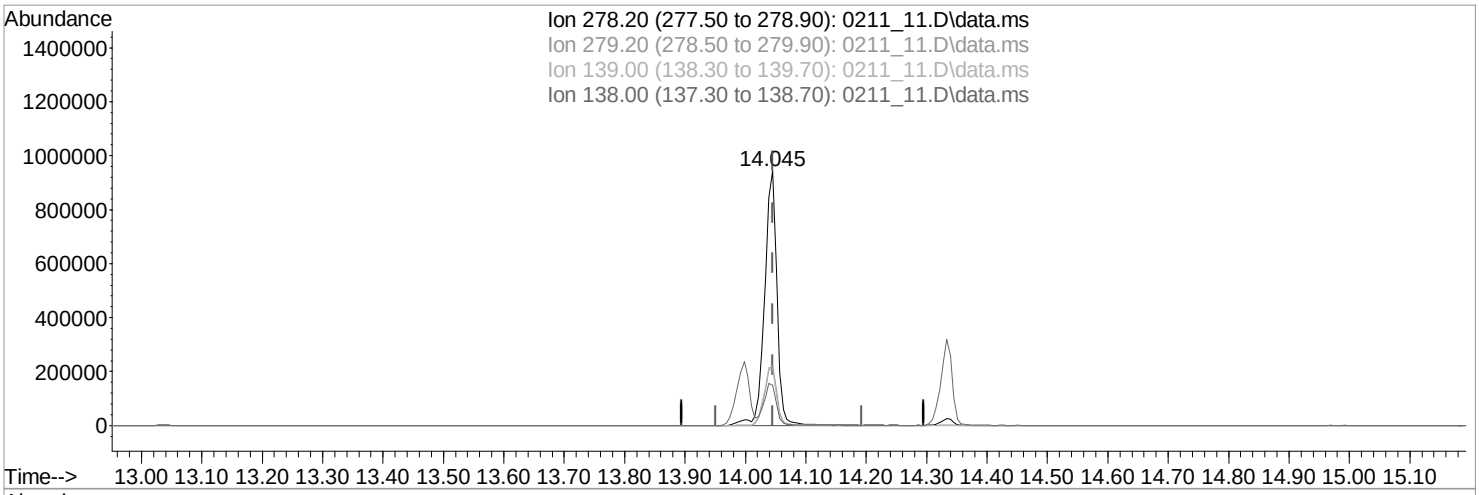
response 251018

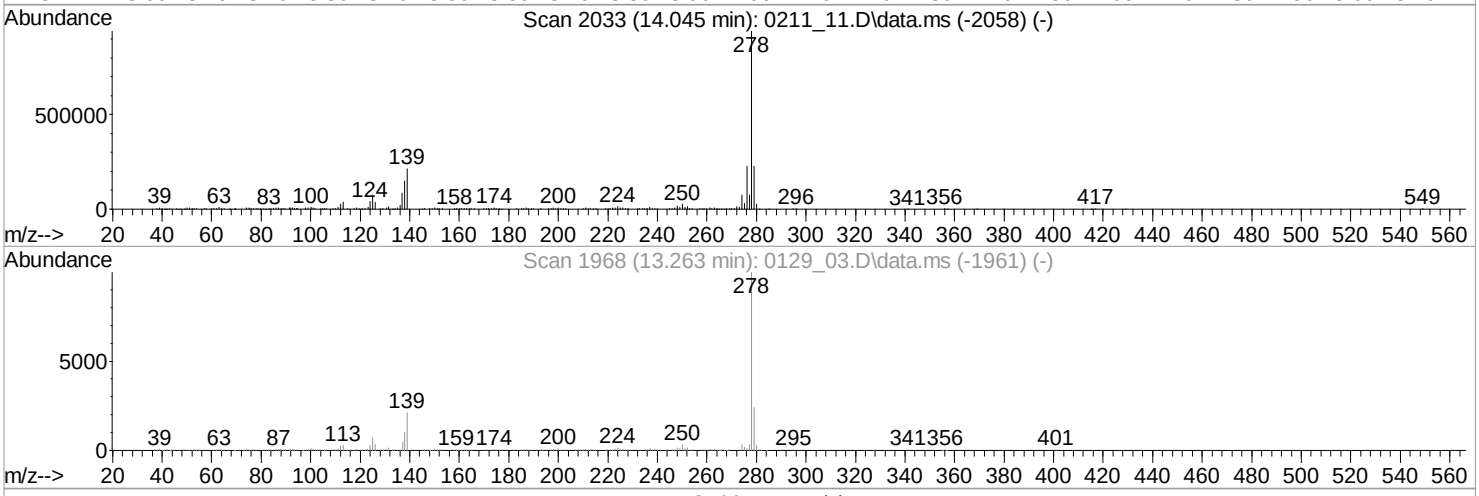
Ion	Exp%	Act%
139.10	100	100
65.10	81.20	81.18
39.10	58.80	58.83
109.10	61.10	61.11

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 11.D
Acq On : 11 Feb 2022 1:07 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 8 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:08:49 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:08:41 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_11.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

14.045min (0.000) 10218.1070558 ppb

Qvalue = 100

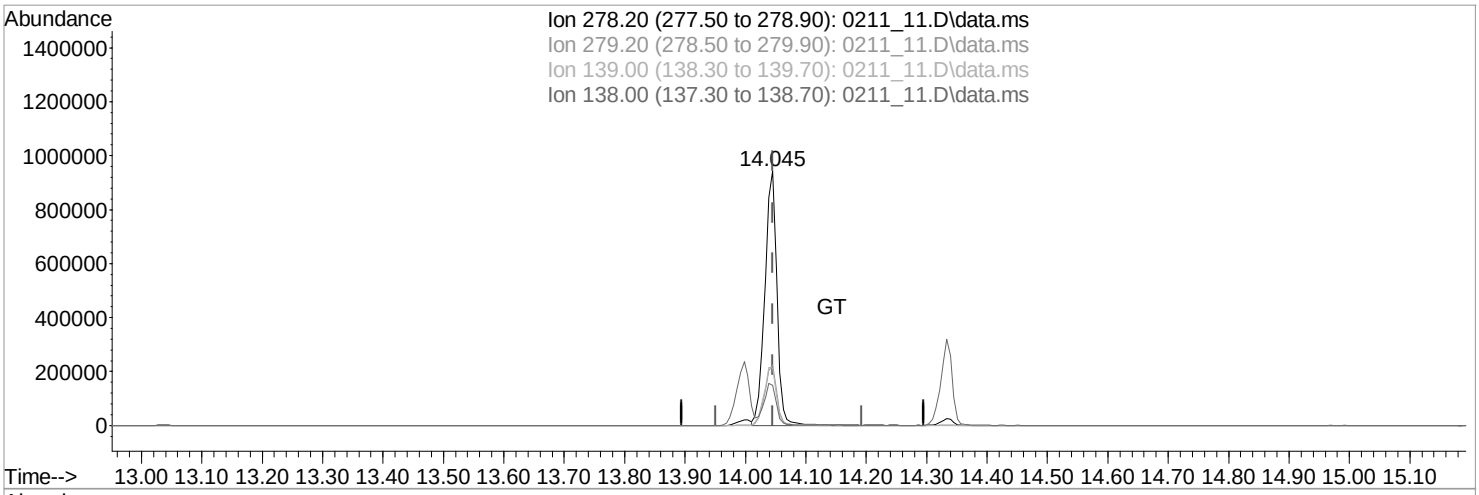
response 1332949

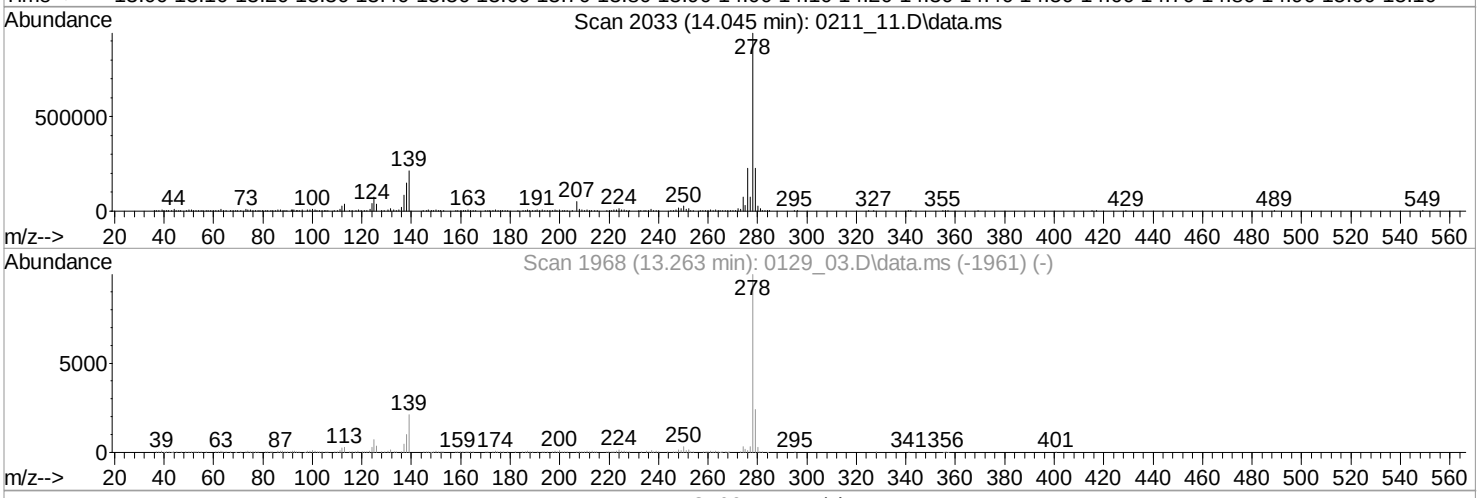
Ion	Exp%	Act%
278.20	100	100
279.20	23.90	23.89
139.00	22.50	22.54
138.00	15.80	15.76

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 11.D
Acq On : 11 Feb 2022 1:07 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 8 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:08:49 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:08:41 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_11.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

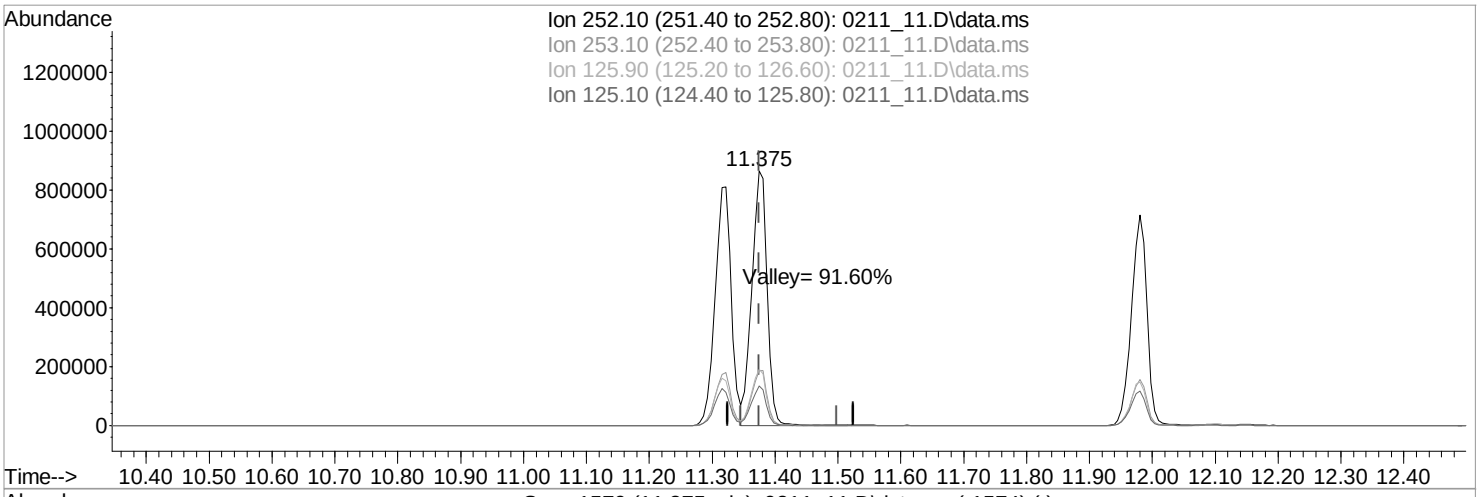
14.045min (0.000) 9961.4564081 ppb m

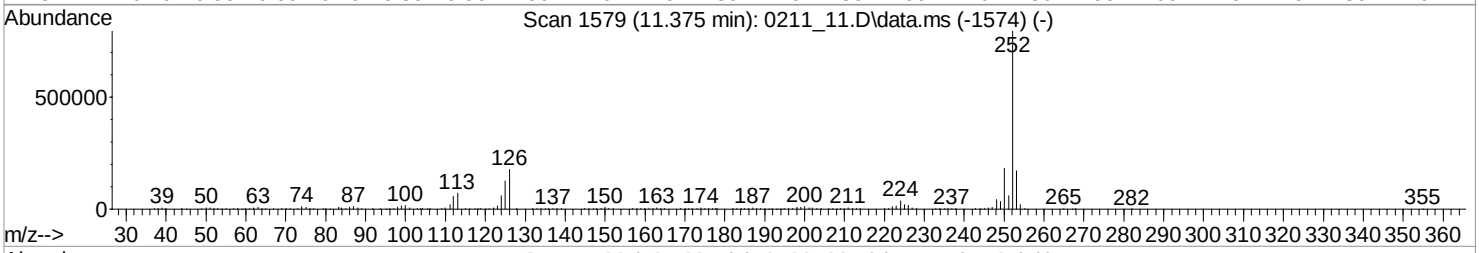
response 1299469

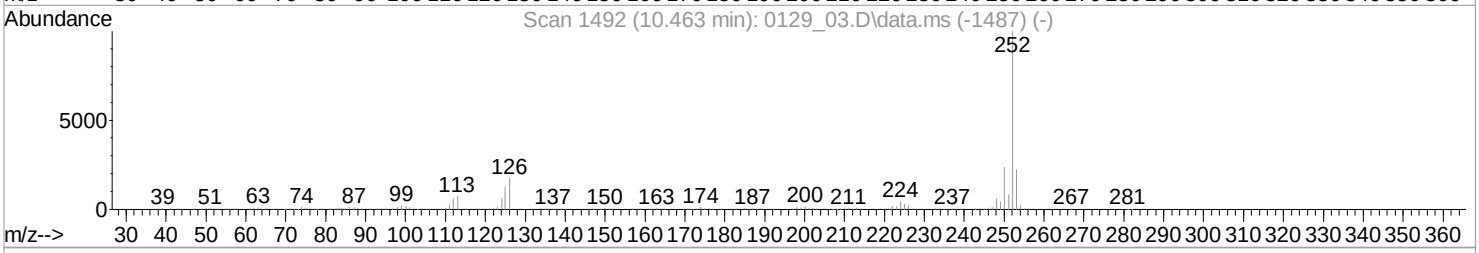
Ion	Exp%	Act%
278.20	100	100
279.20	23.90	23.91
139.00	22.50	22.54
138.00	15.80	15.76

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 11.D
Acq On : 11 Feb 2022 1:07 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 8 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:10:19 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:08:41 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_11.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.375min (0.000) 9982.2485452 ppb

Qvalue = 100

response 1445761

Ion	Exp%	Act%
252.10	100	100
253.10	21.70	21.64
125.90	22.10	22.13
125.10	15.60	15.56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:22:50 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.451	152	338914	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.204	136	1381339	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.381	164	763374	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.504	188	1327283	8000.0000000 ppb	0.00
84) Chrysene-d12	9.369	240	1117118	8000.0000000 ppb	0.00
94) Perylene-d12	12.104	264	1043384	8000.0000000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.757	112	966254	19802.1143722 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 495.05%#		
7) Phenol-d5	3.216	99	1243627	20265.4377710 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 506.64%#		
24) Nitrobenzene-d5	3.763	82	1086116m	17823.8393371 ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 891.19%#		
50) 2-Fluorobiphenyl	4.892	172	2208329	19208.8305173 ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 960.44%#		
73) 2,4,6-Tribromophenol	5.957	330	282444	24449.0347728 ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 611.23%#		
87) p-Terphenyl-d14	7.933	244	2631772	19723.5616077 ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 986.18%#		
Target Compounds					Qvalue
2) Pyridine	2.199	79	1043126	18968.8536518 ppb	99
3) N-Nitrosodimethylamine	2.169	42	600356	19614.7411258 ppb	99
5) Aniline	3.263	66	592423	19839.4124335 ppb	90
6) bis(2-Chloroethyl)ether	3.287	93	1027985m	20582.8607734 ppb	
8) Phenol	3.222	94	1294733	20012.7457205 ppb	93
10) 2-Chlorophenol	3.334	128	1119163	20721.8809354 ppb	96
11) n-Decane	3.340	41	643565	17975.8048549 ppb	99
12) 1,3-Dichlorobenzene	3.422	146	1169616	19553.9679432 ppb	99
13) 1,4-Dichlorobenzene	3.463	146	1198200	19394.0888177 ppb	99
14) Benzyl Alcohol	3.510	79	869131	20572.1873088 ppb	98
15) 1,2-Dichlorobenzene	3.551	146	1139350	19773.7432736 ppb	94
16) bis(2-Chloroisopropyl)...	3.587	121	380756	19633.6246612 ppb	97
17) 2,2-oxybis(1-chloropro...	3.587	121	380756	19633.6246612 ppb	97
18) 2-Methylphenol	3.563	108	981109	20456.9588155 ppb	98
19) Hexachloroethane	3.745	117	477753	20048.0752149 ppb	98
20) N-Nitrosodi-n-propylamine	3.663	70	780874	20953.6430647 ppb	96
21) 3&4-Methyl phenol	3.651	107	1125870	20490.6050972 ppb	99
25) Nitrobenzene	3.775	77	1106170	20163.3073316 ppb	94
26) Isophorone	3.910	82	2079928	20808.1618875 ppb	95
27) 2-Nitrophenol	3.963	139	596316	24219.7848262 ppb	96
28) 2,4-Dimethylphenol	3.963	107	1091271	20500.8163711 ppb	98
29) bis(2-Chlorethoxy)methane	4.028	93	1228532	19401.0701421 ppb	95
30) 2,4-Dichlorophenol	4.104	162	883148	21232.5254915 ppb	91
32) 1,2,4-Trichlorobenzene	4.163	180	919108	19788.9731355 ppb	96
34) Naphthalene	4.216	128	3083383m	17465.3627371 ppb	
35) 4-Chloroaniline	4.234	65	400228	19624.0163780 ppb	100
36) Hexachloro-1,3-butadiene	4.287	225	482426	20039.8257940 ppb	96
40) 4-Chloro-3-methylphenol	4.522	107	932436	20864.7485446 ppb	98
41) 2-Methylnaphthalene	4.657	142	2119549	19171.0056955 ppb	100
42) 1-Methylnaphthalene	4.722	142	2015095	18889.9554487 ppb	100

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

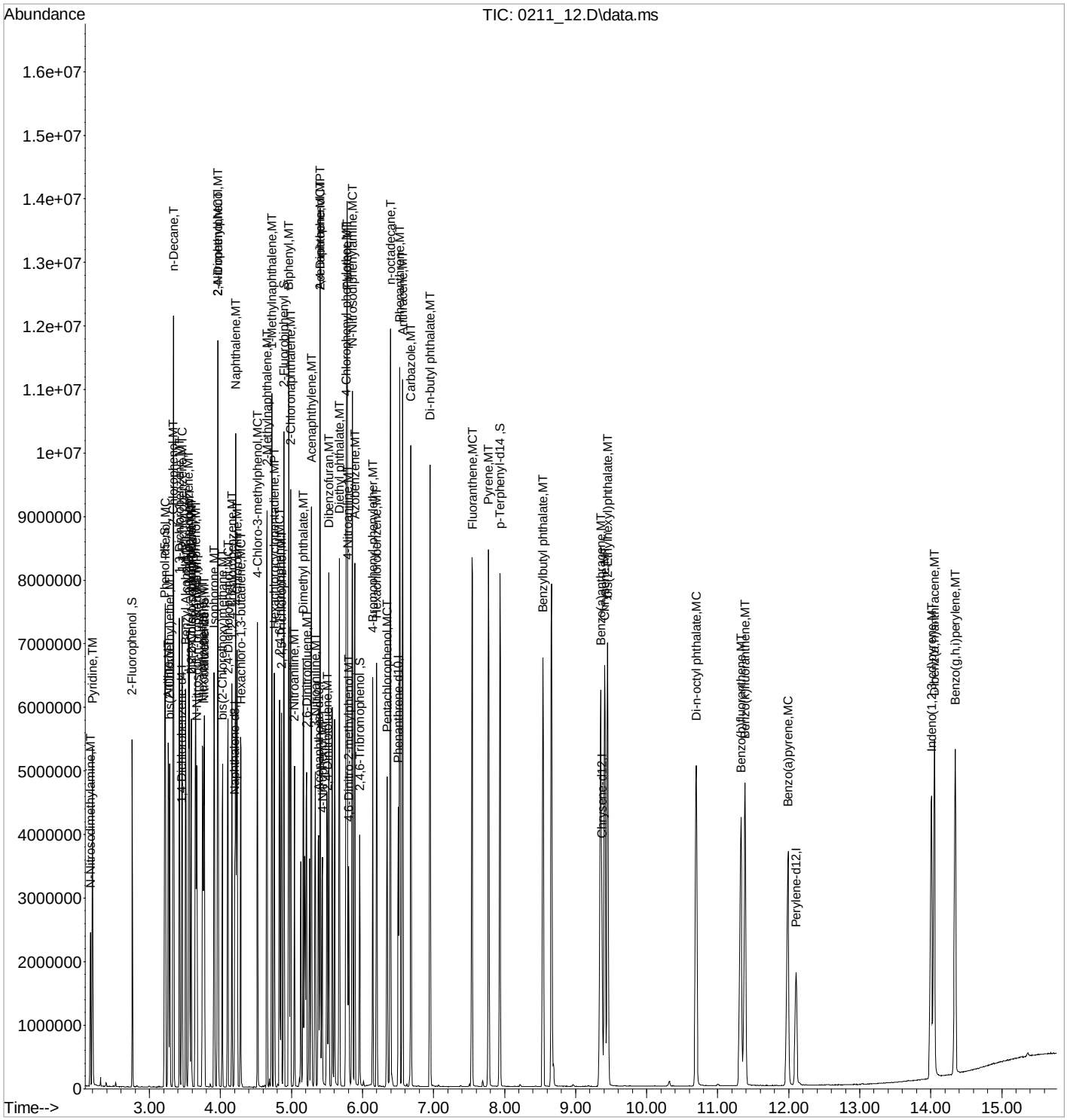
Quant Time: Feb 11 15:22:50 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.757	237	653213	22347.2705396 ppb		99
48)	2,4,6-Trichlorophenol	4.834	196	637669	23332.4080157 ppb		89
49)	2,4,5-Trichlorophenol	4.857	196	644825	20980.6324887 ppb		90
51)	Biphenyl	4.963	154	2562407	18976.7855975 ppb		98
52)	2-Chloronaphthalene	4.987	162	1991492	18449.8177987 ppb		98
53)	2-Nitroaniline	5.040	138	743778	25175.6738646 ppb		98
54)	Acenaphthylene	5.281	152	3066402	18883.4176656 ppb		98
55)	Dimethyl phthalate	5.163	163	2272093	19516.8901938 ppb		93
56)	2,6-Dinitrotoluene	5.210	165	558506	22992.1248073 ppb		93
57)	3-Nitroaniline	5.334	138	656375	23672.6244850 ppb		98
58)	Acenaphthene	5.404	153	2106151	18260.2480340 ppb		99
59)	2,4-Dinitrophenol	5.404	184	286681	30148.0327304 ppb	#	67
60)	Dibenzofuran	5.528	168	2751592	18778.6555302 ppb		99
61)	2,4-Dinitrotoluene	5.504	165	732631	24304.6947009 ppb		98
63)	4-Nitrophenol	5.434	139	536444m	24435.8995521 ppb		
64)	Fluorene	5.781	166	2414457	18822.6372849 ppb		98
65)	4-Chlorophenyl-phenyle...	5.769	204	1063603	19902.5300197 ppb		96
66)	Diethyl phthalate	5.675	149	2357334	19719.7747903 ppb		97
67)	4-Nitroaniline	5.787	138	721972	24795.1857691 ppb		100
68)	Azobenzene	5.892	77	2425995	19486.6829649 ppb		98
71)	4,6-Dinitro-2-methylph...	5.804	198	365682	31050.8783671 ppb		95
72)	N-Nitrosodiphenylamine	5.857	169	2039563	20289.0381895 ppb		99
74)	4-Bromophenyl-phenylether	6.145	248	567850	20575.7148430 ppb		96
75)	Hexachlorobenzene	6.198	284	643820	20236.6975693 ppb		98
76)	n-octadecane	6.392	55	402189	19259.7453610 ppb		99
77)	Pentachlorophenol	6.345	266	384103	26526.1479793 ppb		96
78)	Phenanthrene	6.522	178	3321214	17284.0874152 ppb		97
79)	Anthracene	6.563	178	3363338	18364.1989513 ppb		97
80)	Carbazole	6.681	167	3187568	19433.2503333 ppb		98
81)	Di-n-butyl phthalate	6.951	149	3874718	20594.3145624 ppb		97
83)	Fluoranthene	7.545	202	3382940	18524.4922355 ppb		99
86)	Pyrene	7.775	202	3455126	18165.9728307 ppb		98
88)	Benzylbutyl phthalate	8.539	149	1762442	24576.8618072 ppb		99
90)	Benzo(a)anthracene	9.351	228	3163657	17518.7439515 ppb		99
91)	Chrysene	9.410	228	3060816	15797.4808384 ppb		98
92)	bis(2-Ethylhexyl)phtha...	9.451	149	2514492	25152.1716736 ppb		100
93)	Di-n-octyl phthalate	10.698	149	3983814	26557.4482255 ppb		100
95)	Benzo(b)fluoranthene	11.327	252	2892915	19220.8246810 ppb		98
96)	Benzo(k)fluoranthene	11.386	252	2928376	19226.2004275 ppb		99
97)	Benzo(a)pyrene	11.992	252	2516012	21025.4734862 ppb		99
98)	Indeno(1,2,3-cd)pyrene	14.010	276	2402045	19950.6698277 ppb		98
99)	Dibenz(a,h)anthracene	14.051	278	2603804m	19347.6638655 ppb		
100)	Benzo(g,h,i)perylene	14.345	276	2615066	18637.1526903 ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

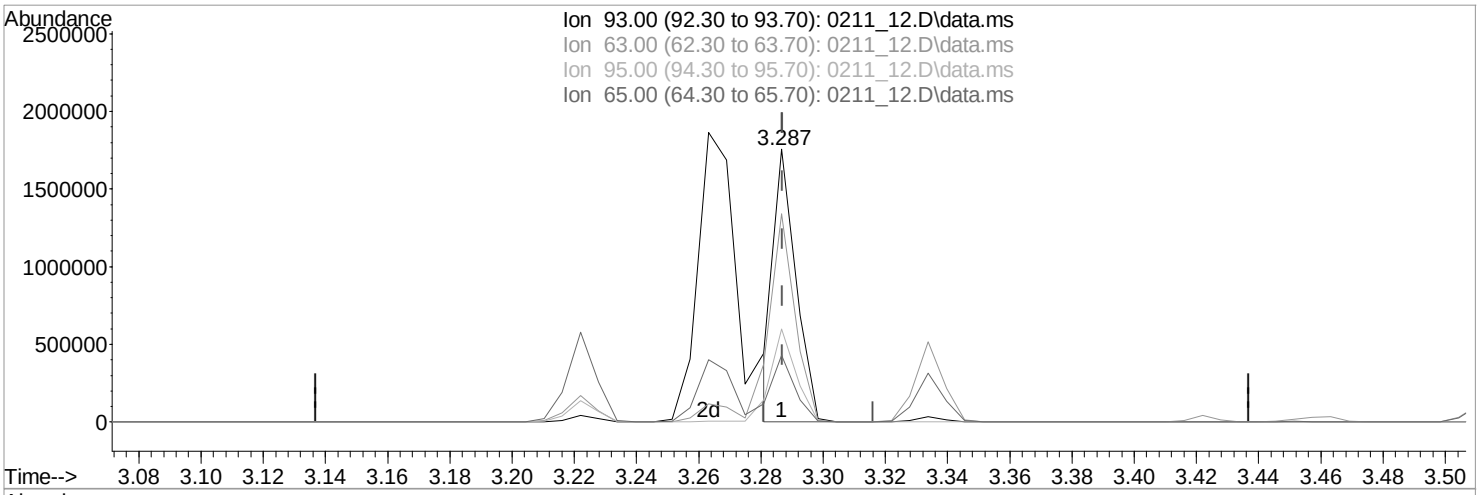
Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

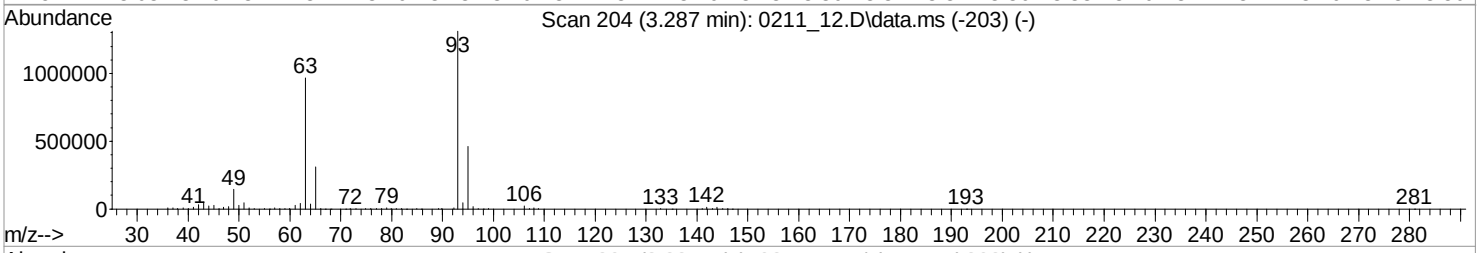
Quant Time: Feb 11 15:22:50 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

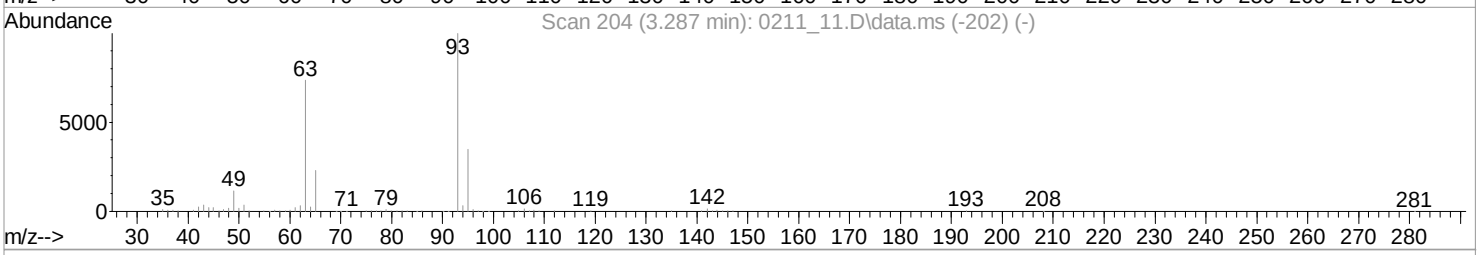


Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:21:16 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_12.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.287min (-0.000) 17410.3108756 ppb

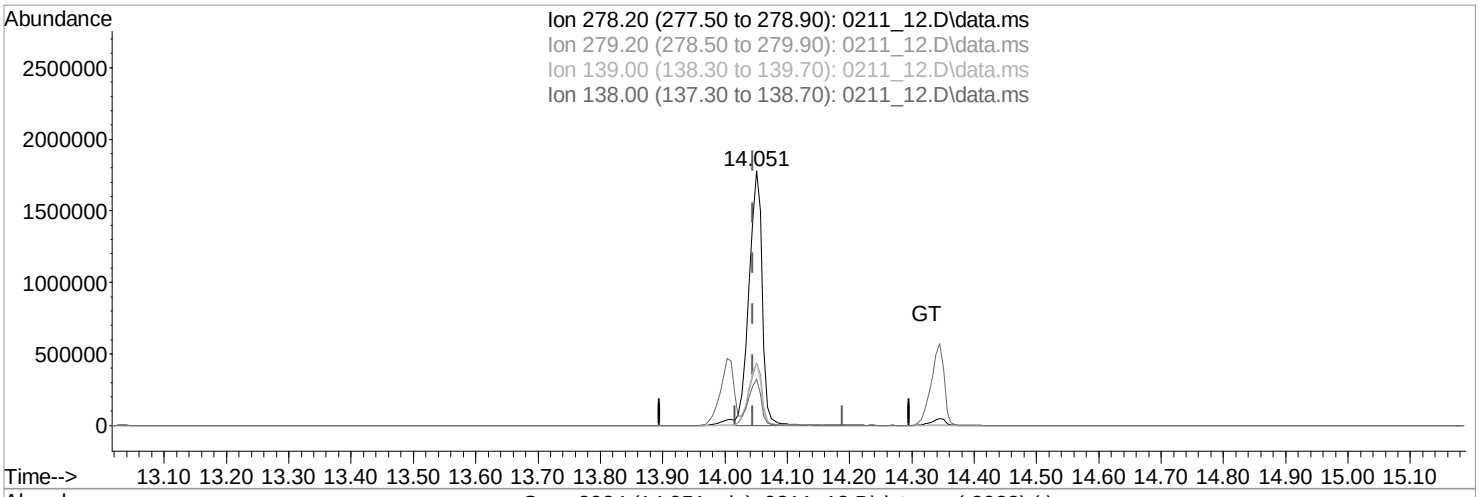
Qvalue = 96

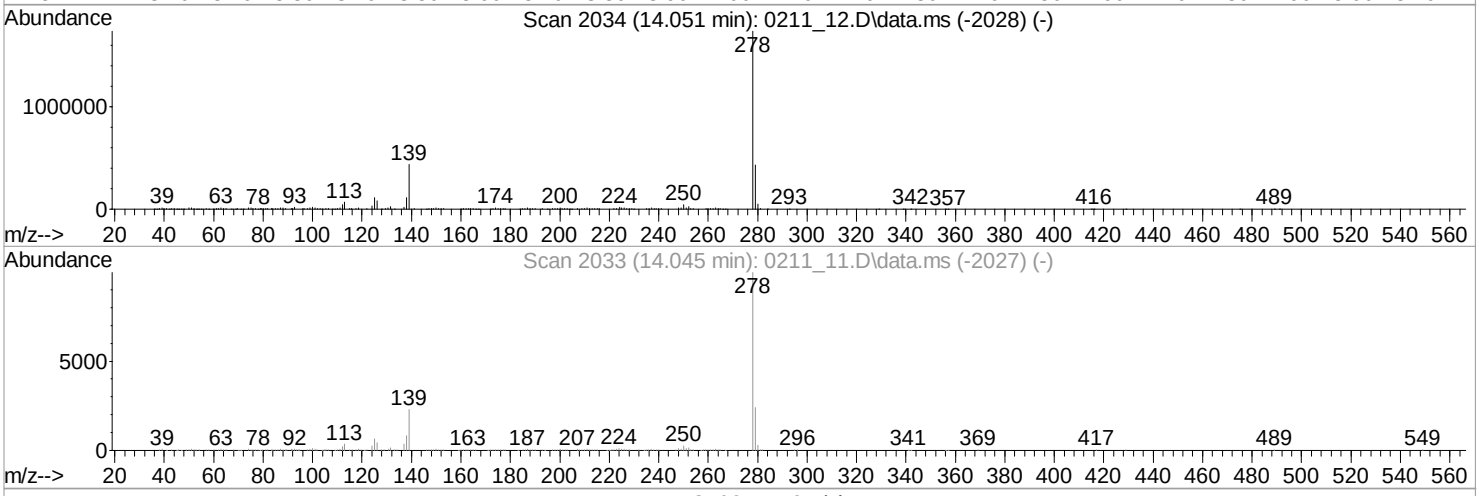
response 869536

Ion	Exp%	Act%
93.00	100	100
63.00	72.00	76.41
95.00	33.70	34.18
65.00	22.90	24.45

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:21:16 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_12.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

14.051min (+0.006) 19347.6638655 ppb m

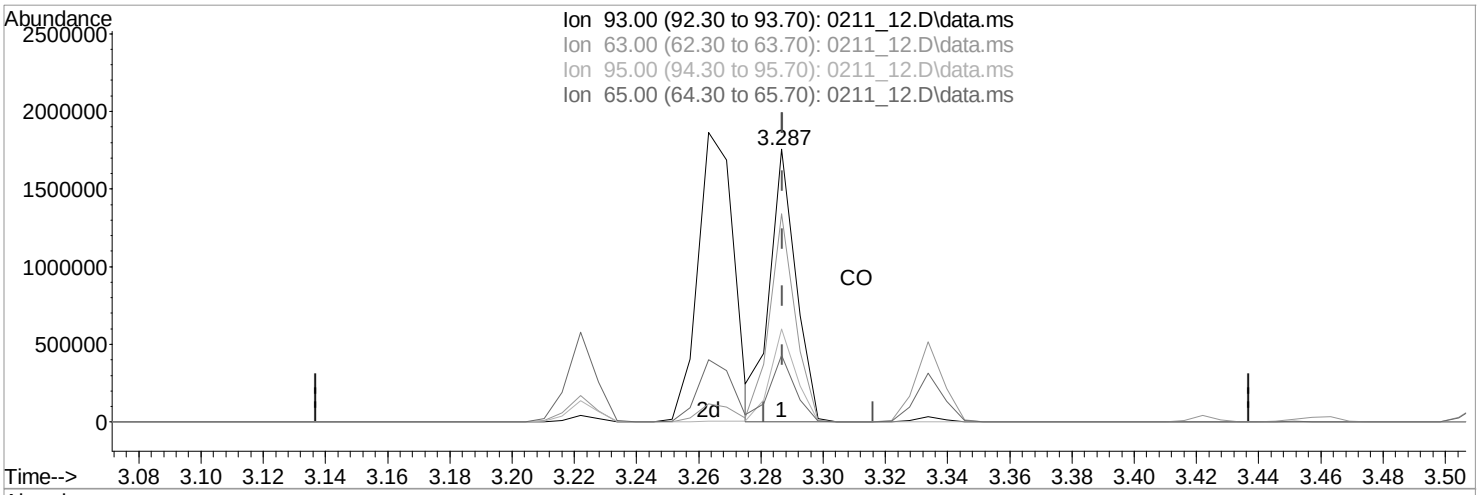
response 2603804

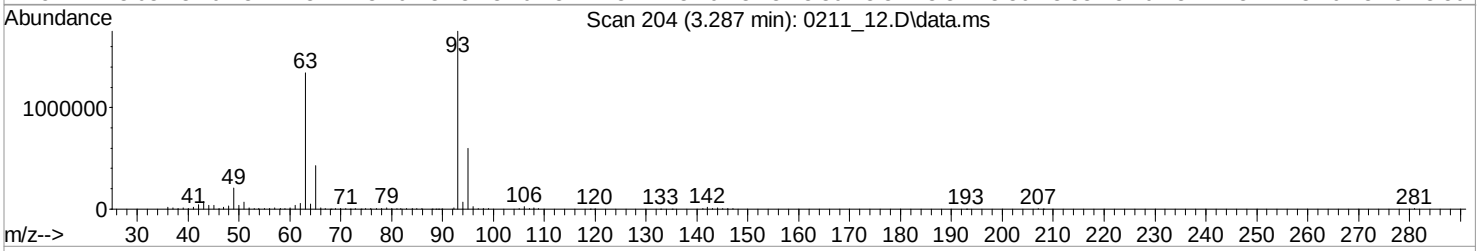
Ion	Exp%	Act%
278.20	100	100
279.20	23.90	24.58
139.00	22.50	24.48
138.00	15.80	18.38

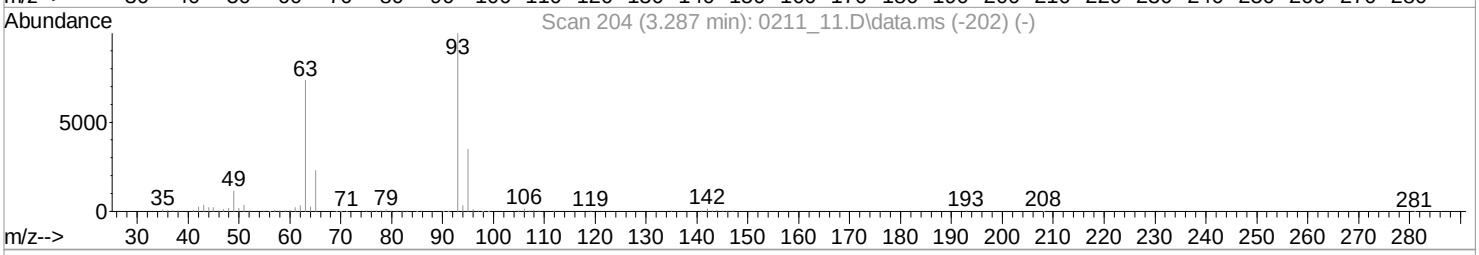
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:21:16 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_12.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.287min (-0.000) 20582.8607734 ppb m

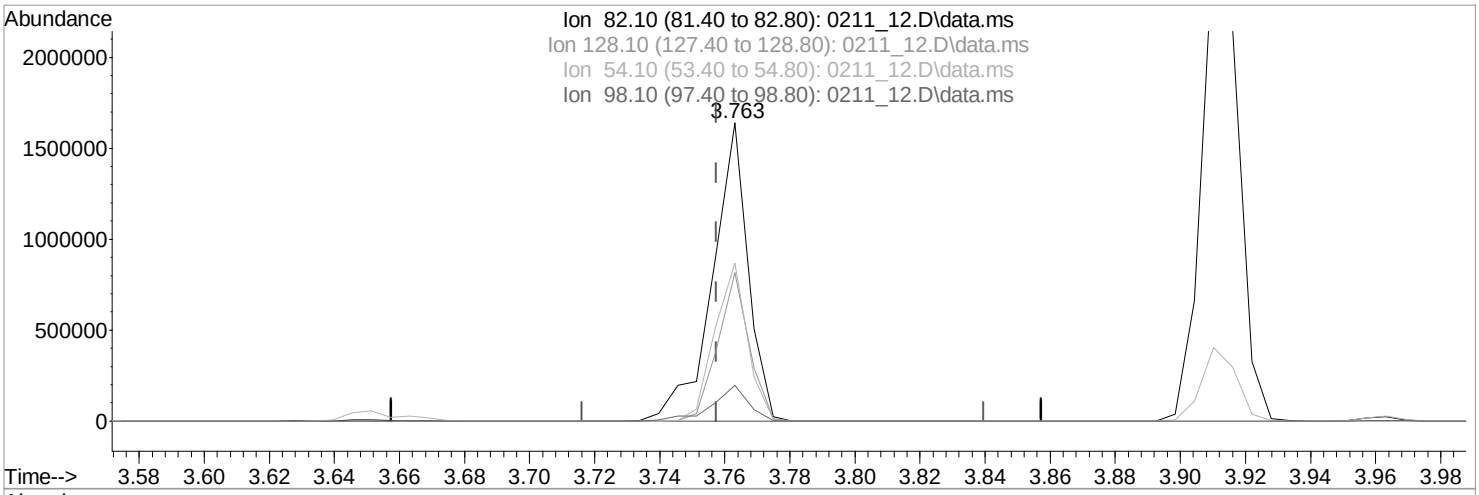
response 1027985

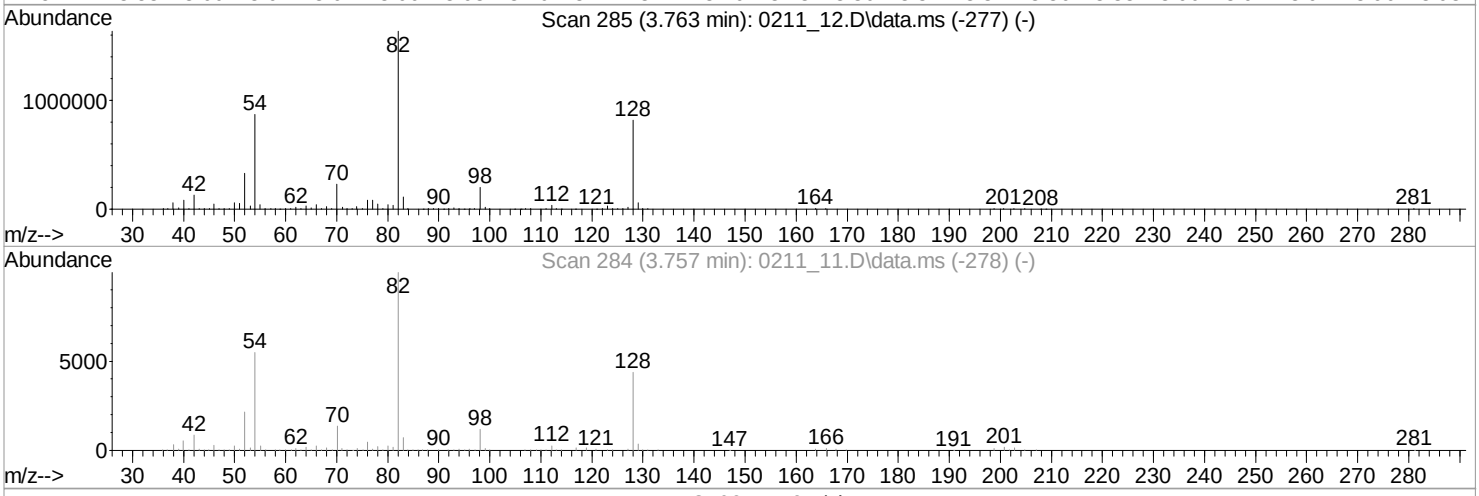
Ion	Exp%	Act%
93.00	100	100
63.00	72.00	76.38
95.00	33.70	34.18
65.00	22.90	24.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:21:16 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_12.D\data.ms

(24) Nitrobenzene-d5 (S)

3.763min (+0.006) 20471.2501417 ppb

Qvalue = 95

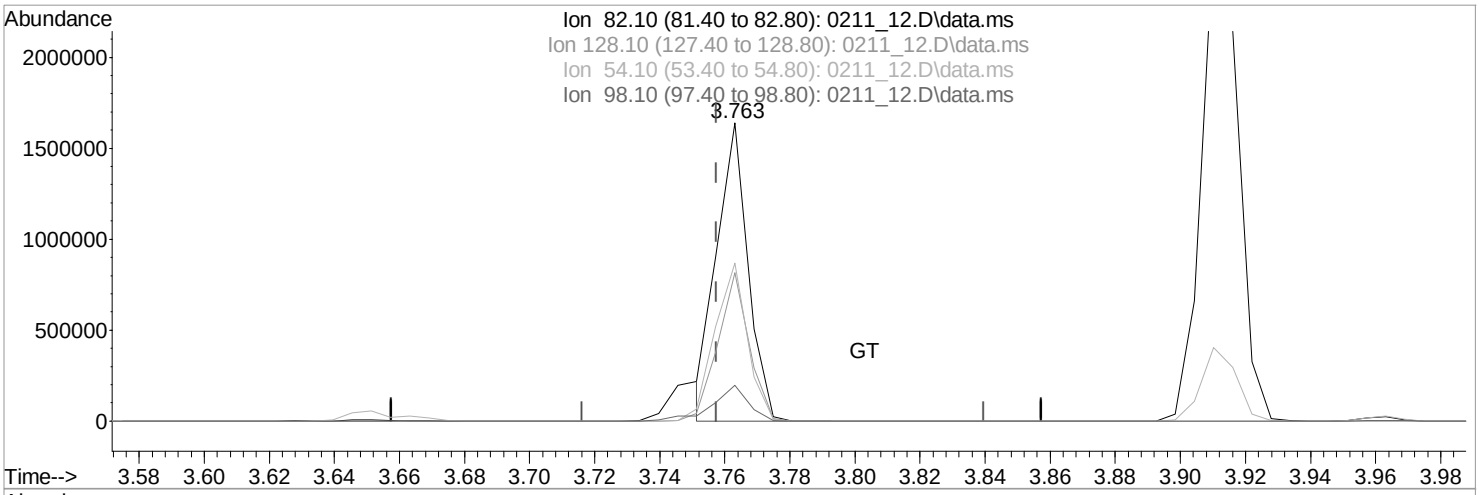
response 1247439

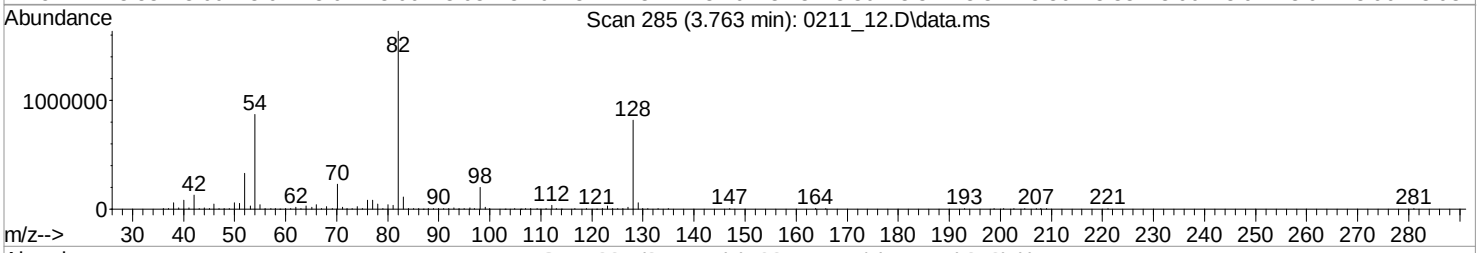
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	49.67
54.10	54.80	52.96
98.10	11.60	11.99

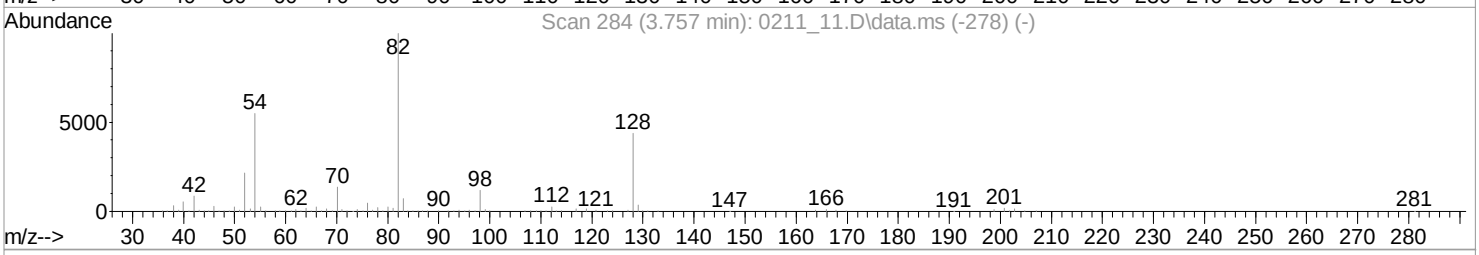
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:21:16 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_12.D\data.ms

(24) Nitrobenzene-d5 (S)

3.763min (+0.006) 17823.8393371 ppb m

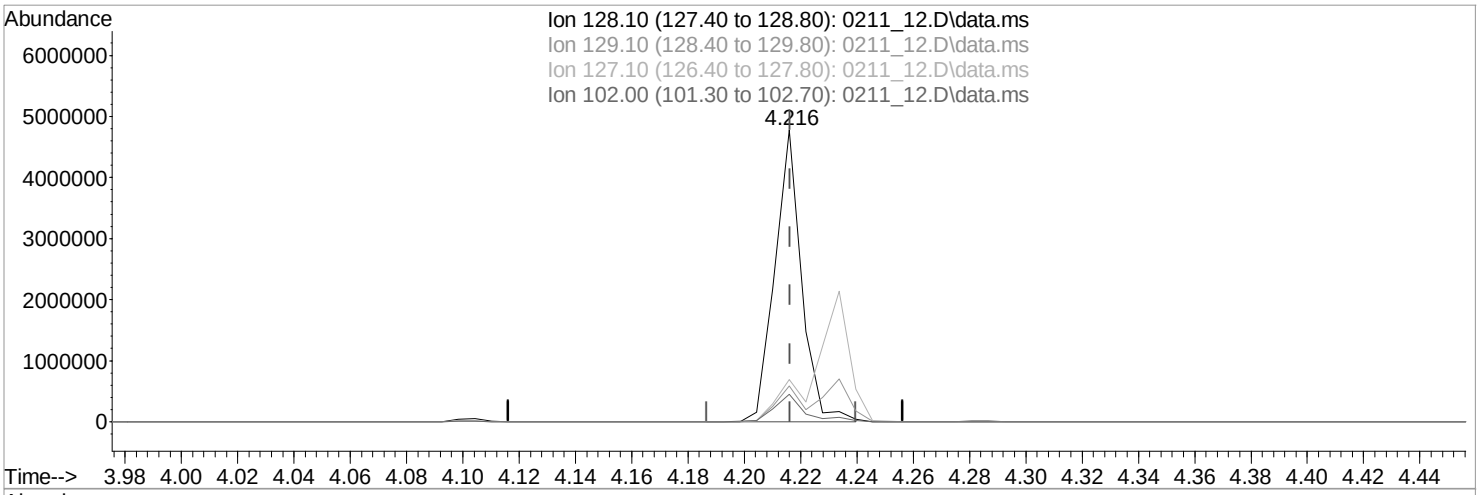
response 1086116

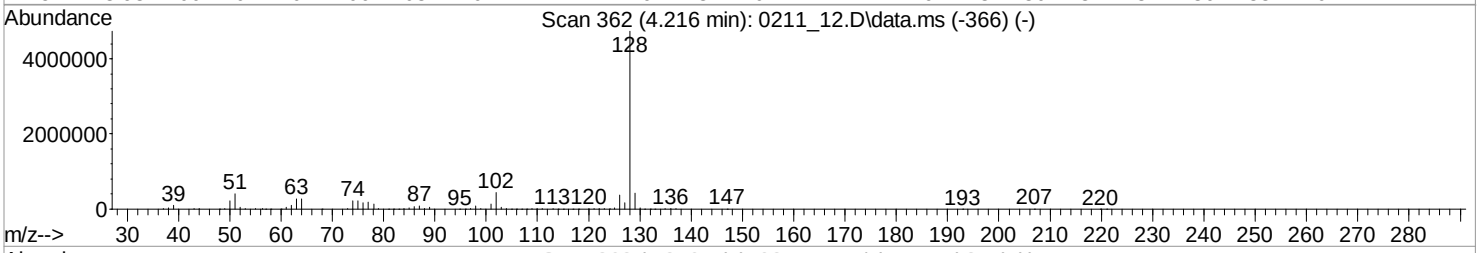
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	49.67
54.10	54.80	52.97
98.10	11.60	11.99

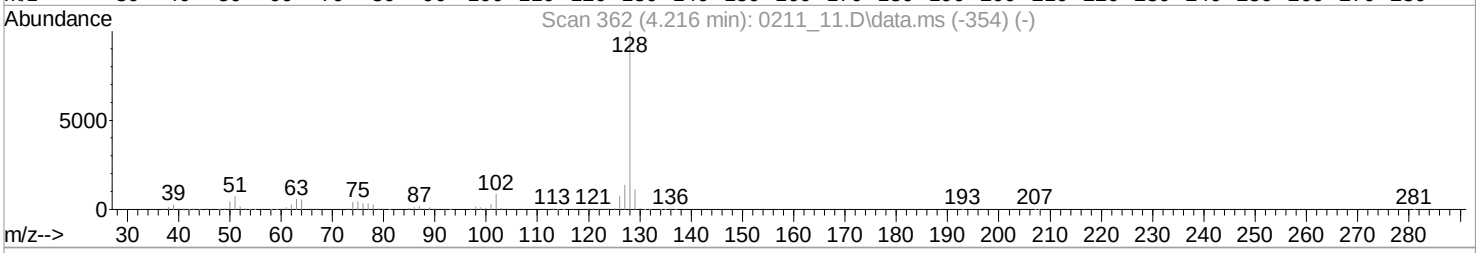
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:21:16 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_12.D\data.ms

(34) Naphthalene (MT)

4.216min (-0.000) 17888.0422526 ppb

Qvalue = 97

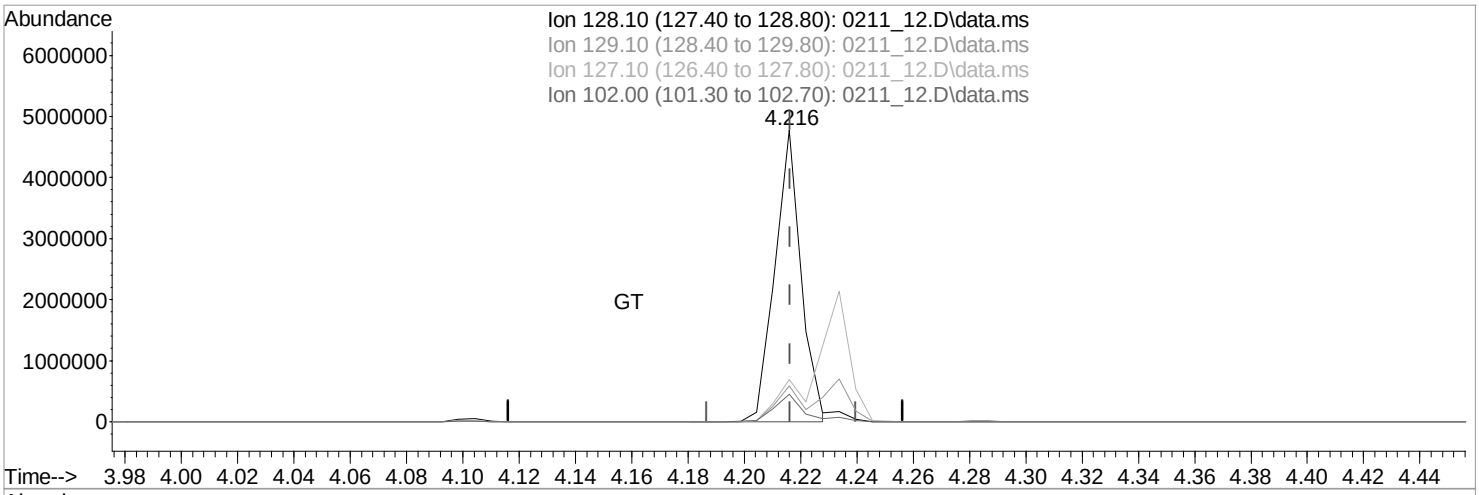
response 3158004

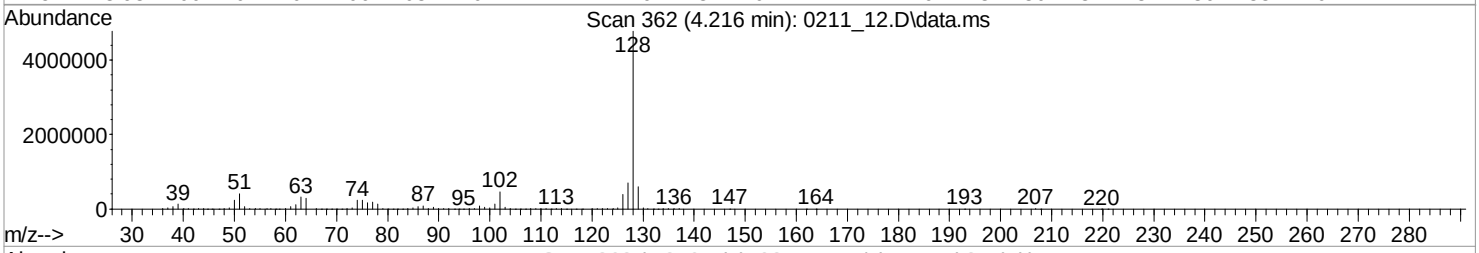
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	12.28
127.10	13.40	14.42
102.00	8.60	9.41

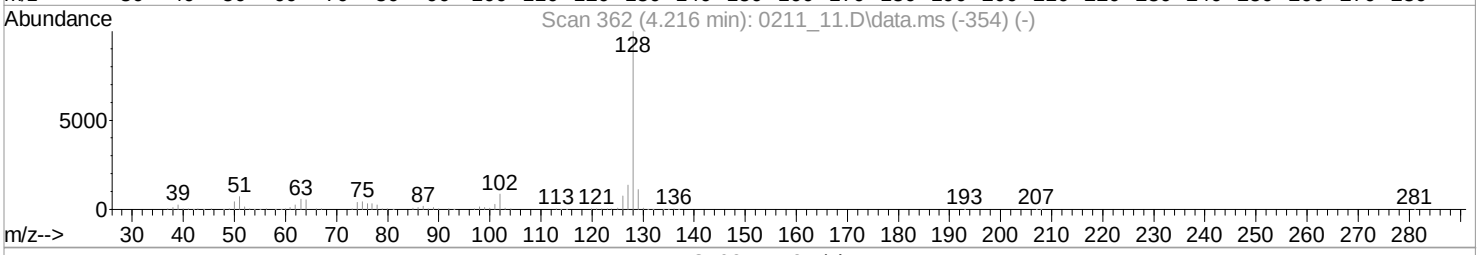
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:21:16 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_12.D\data.ms

(34) Naphthalene (MT)

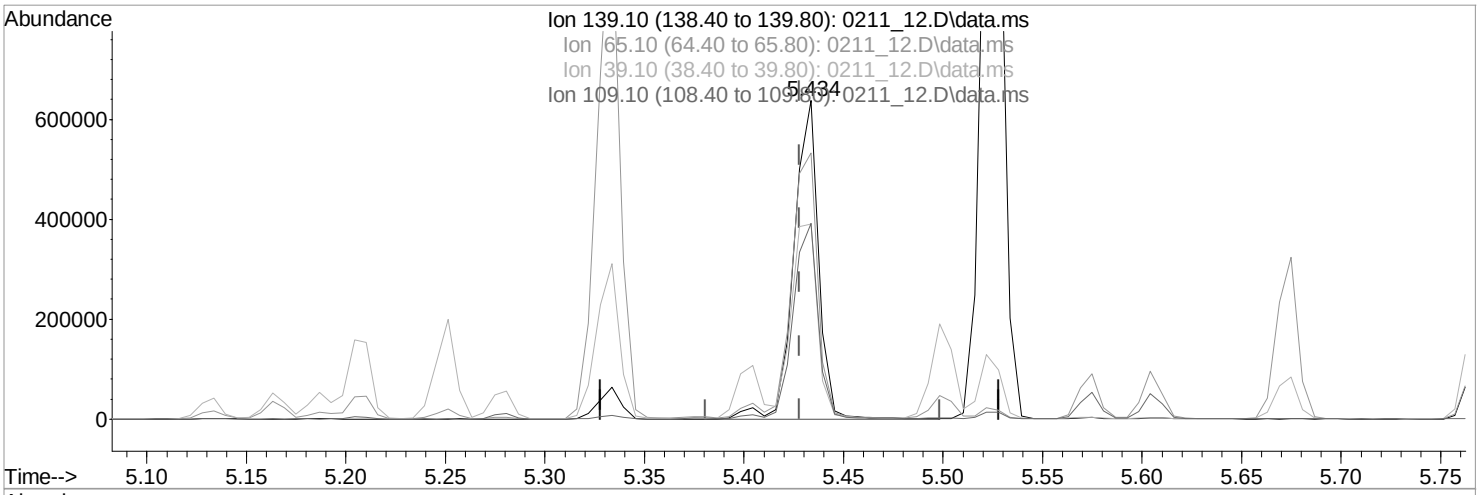
4.216min (-0.000) 17465.3627371 ppb m

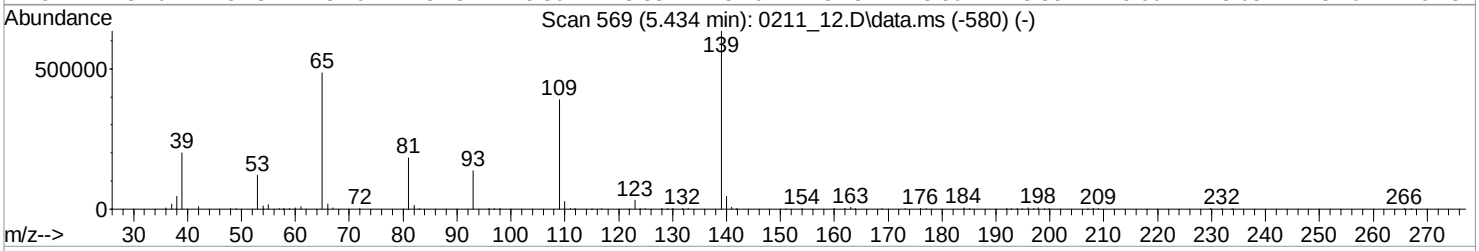
response 3083383

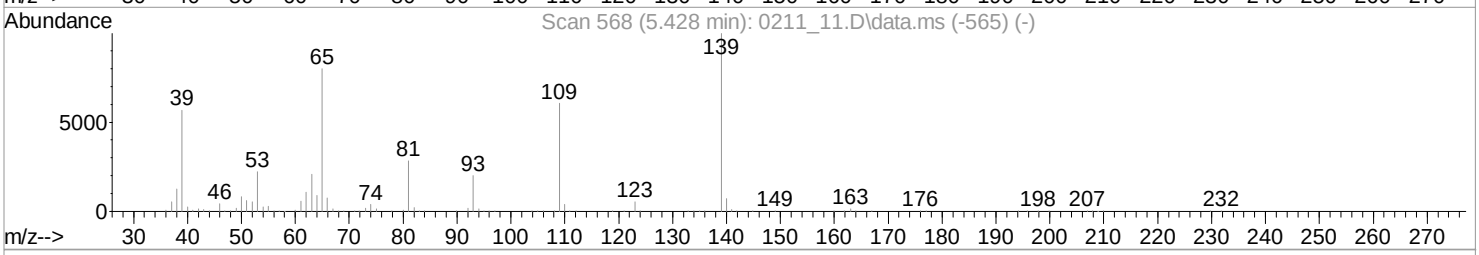
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	12.28
127.10	13.40	14.42
102.00	8.60	9.41

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:21:16 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_12.D\data.ms

(63) 4-Nitrophenol (MPT)

5.434min (+0.006) 25268.9477939 ppb

Qvalue = 98

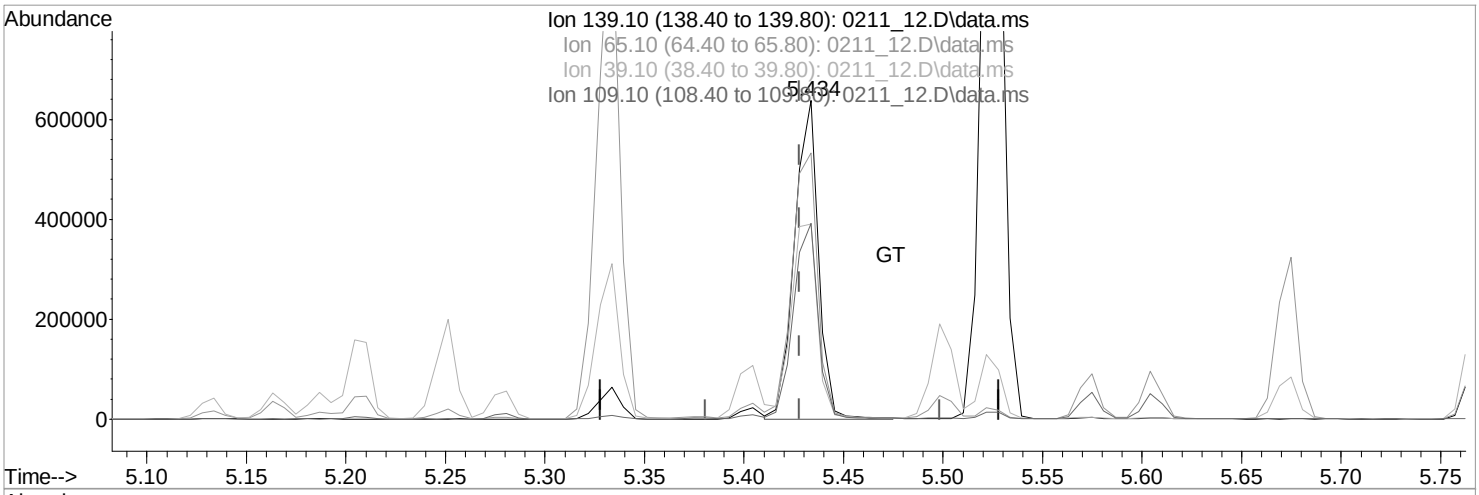
response 554732

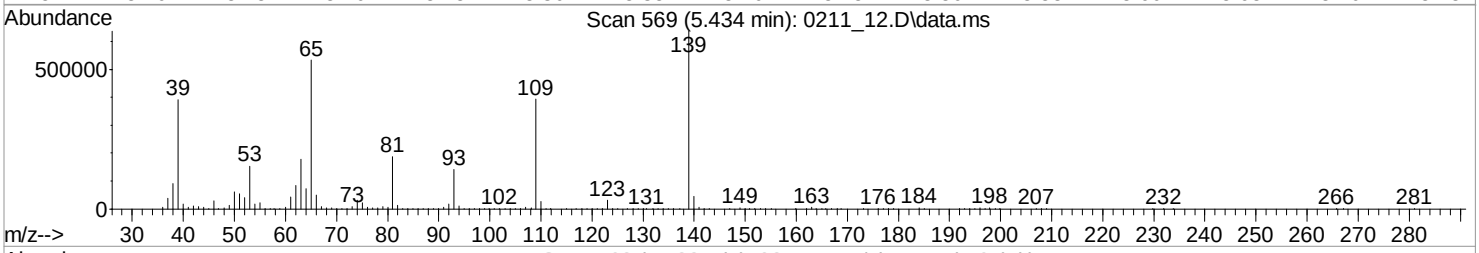
Ion	Exp%	Act%
139.10	100	100
65.10	81.20	82.69
39.10	58.80	61.11
109.10	61.10	61.21

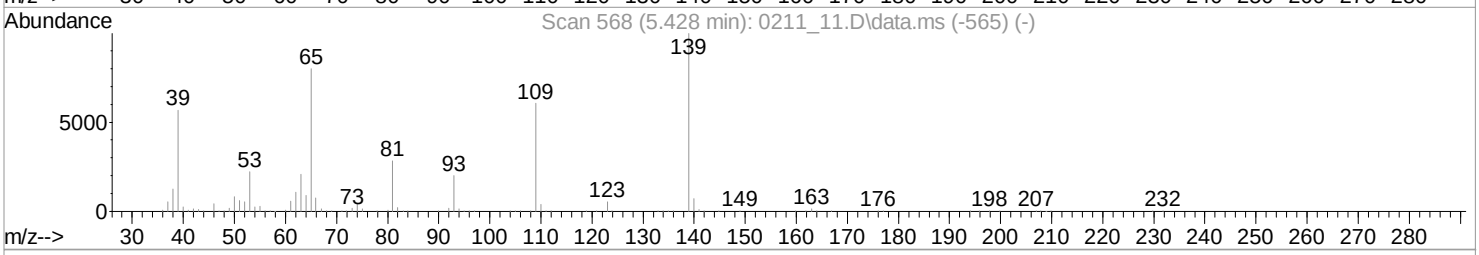
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:21:16 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_12.D\data.ms

(63) 4-Nitrophenol (MPT)

5.434min (+0.006) 24435.8995521 ppb m

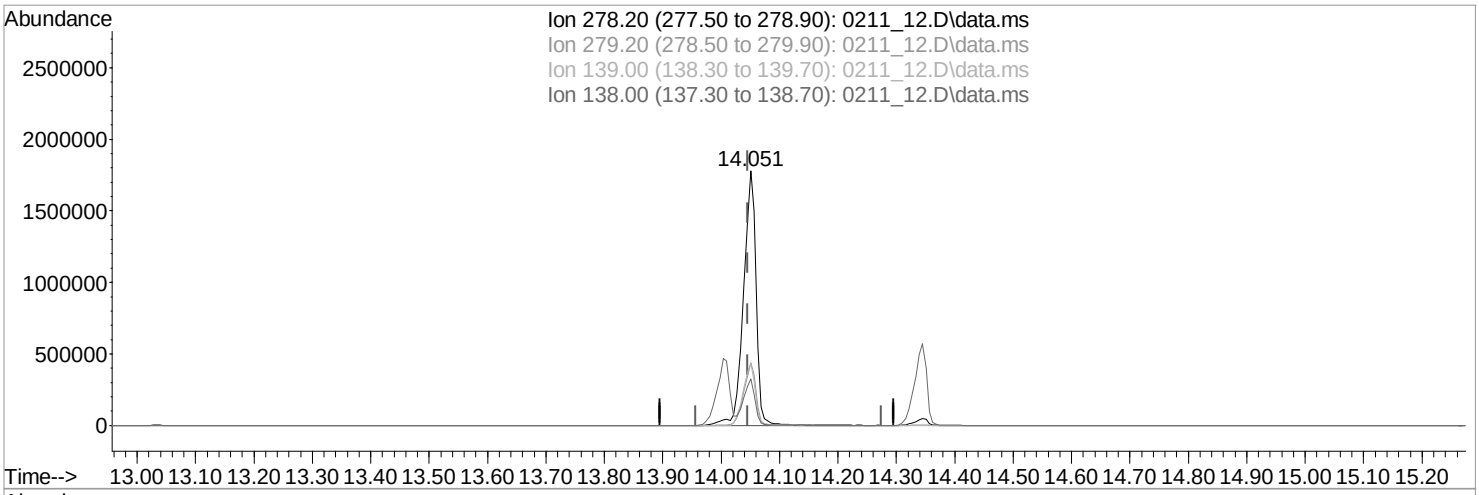
response 536444

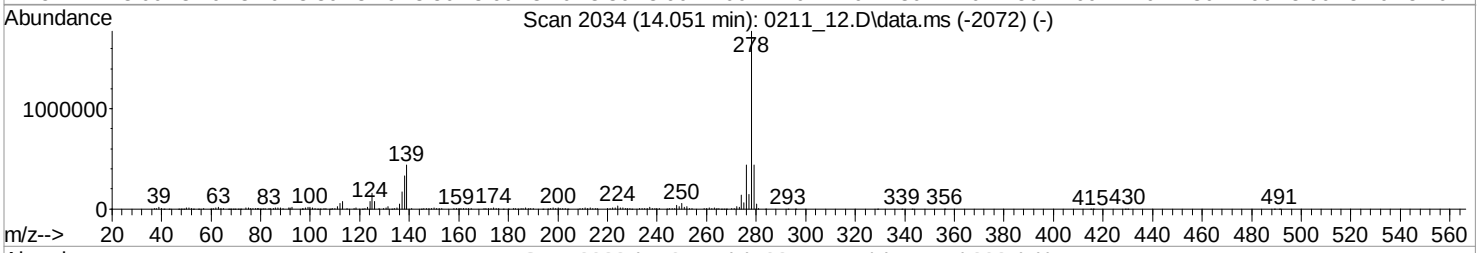
Ion	Exp%	Act%
139.10	100	100
65.10	81.20	83.52
39.10	58.80	61.31
109.10	61.10	61.53

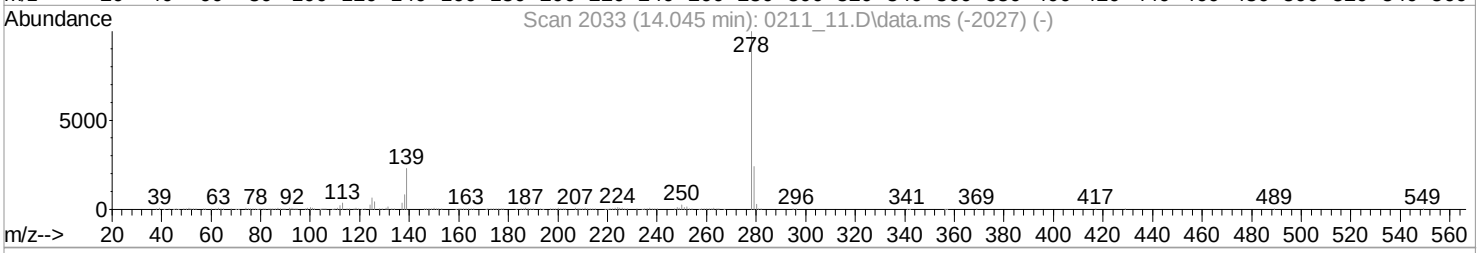
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 12.D
Acq On : 11 Feb 2022 1:29 pm
Operator : 917
Sample : STD SVMS 20K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 9 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:21:16 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:21:08 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_12.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

14.051min (+0.006) 19911.2998745 ppb

Qvalue = 96

response 2679658

Ion	Exp%	Act%
278.20	100	100
279.20	23.90	24.58
139.00	22.50	24.48
138.00	15.80	18.37

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 13.D
Acq On : 11 Feb 2022 1:51 pm
Operator : 917
Sample : STD SVMS 30K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 10 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:26 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:23:01 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.451	152	352992	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.204	136	1415889	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.381	164	772907	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.504	188	1333990	8000.0000000 ppb	0.00
84) Chrysene-d12	9.375	240	1115318	8000.0000000 ppb	0.01
94) Perylene-d12	12.110	264	1012581	8000.0000000 ppb	0.01
System Monitoring Compounds					
4) 2-Fluorophenol	2.757	112	1485923	29285.8594825 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 732.15%#		
7) Phenol-d5	3.216	99	1919502	29965.3581145 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 749.13%#		
24) Nitrobenzene-d5	3.763	82	1712841m	27929.3763998 ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 1396.47%#		
50) 2-Fluorobiphenyl	4.892	172	3337154	28860.0008602 ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 1443.00%#		
73) 2,4,6-Tribromophenol	5.963	330	454956	37783.2605526 ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 944.58%#		
87) p-Terphenyl-d14	7.939	244	3983905	29974.2281740 ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 1498.71%#		
Target Compounds					Qvalue
2) Pyridine	2.199	79	1565379	27567.4397675 ppb	98
3) N-Nitrosodimethylamine	2.169	42	920212	28958.9496216 ppb	100
5) Aniline	3.269	66	918080	29558.5851791 ppb	94
6) bis(2-Chloroethyl)ether	3.287	93	1409468	26964.6314217 ppb	94
8) Phenol	3.228	94	1993129	29576.0647642 ppb	98
10) 2-Chlorophenol	3.334	128	1741486	30773.4166285 ppb	95
11) n-Decane	3.340	41	976573	26638.7341664 ppb	97
12) 1,3-Dichlorobenzene	3.422	146	1821545	29347.6546923 ppb	97
13) 1,4-Dichlorobenzene	3.463	146	1848977	28879.8305480 ppb	97
14) Benzyl Alcohol	3.516	79	1359170	30741.6916602 ppb	100
15) 1,2-Dichlorobenzene	3.551	146	1753340	29271.3090484 ppb	93
16) bis(2-Chloroisopropyl)...	3.587	121	588479	29223.8432177 ppb	95
17) 2,2-oxybis(1-chloropro...	3.587	121	588479	29223.8432177 ppb	95
18) 2-Methylphenol	3.563	108	1519734	30308.5660053 ppb	99
19) Hexachloroethane	3.745	117	746144	30049.8703337 ppb	98
20) N-Nitrosodi-n-propylamine	3.669	70	1211263	30960.2150598 ppb	94
21) 3&4-Methyl phenol	3.651	107	1751228	30476.2786599 ppb	98
25) Nitrobenzene	3.775	77	1678210	29803.4566494 ppb	98
26) Isophorone	3.916	82	3147340	30513.0143497 ppb	100
27) 2-Nitrophenol	3.963	139	941769	36049.5417343 ppb	90
28) 2,4-Dimethylphenol	3.969	107	1695805	30951.1489723 ppb	99
29) bis(2-Chlorethoxy)methane	4.028	93	1897342	29378.4531806 ppb	97
30) 2,4-Dichlorophenol	4.104	162	1367518	31749.3161472 ppb	95
32) 1,2,4-Trichlorobenzene	4.163	180	1420845	29897.7761468 ppb	96
34) Naphthalene	4.216	128	4478968m	25207.7402507 ppb	
35) 4-Chloroaniline	4.234	65	614909	29507.0104658 ppb	99
36) Hexachloro-1,3-butadiene	4.287	225	758512	30729.2985962 ppb	95
40) 4-Chloro-3-methylphenol	4.522	107	1466663	31789.0183878 ppb	96
41) 2-Methylnaphthalene	4.657	142	3193963	28351.8662797 ppb	98
42) 1-Methylnaphthalene	4.722	142	3044817	28068.8659808 ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 13.D
Acq On : 11 Feb 2022 1:51 pm
Operator : 917
Sample : STD SVMS 30K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 10 Sample Multiplier: 1
InstName : BNAMS20

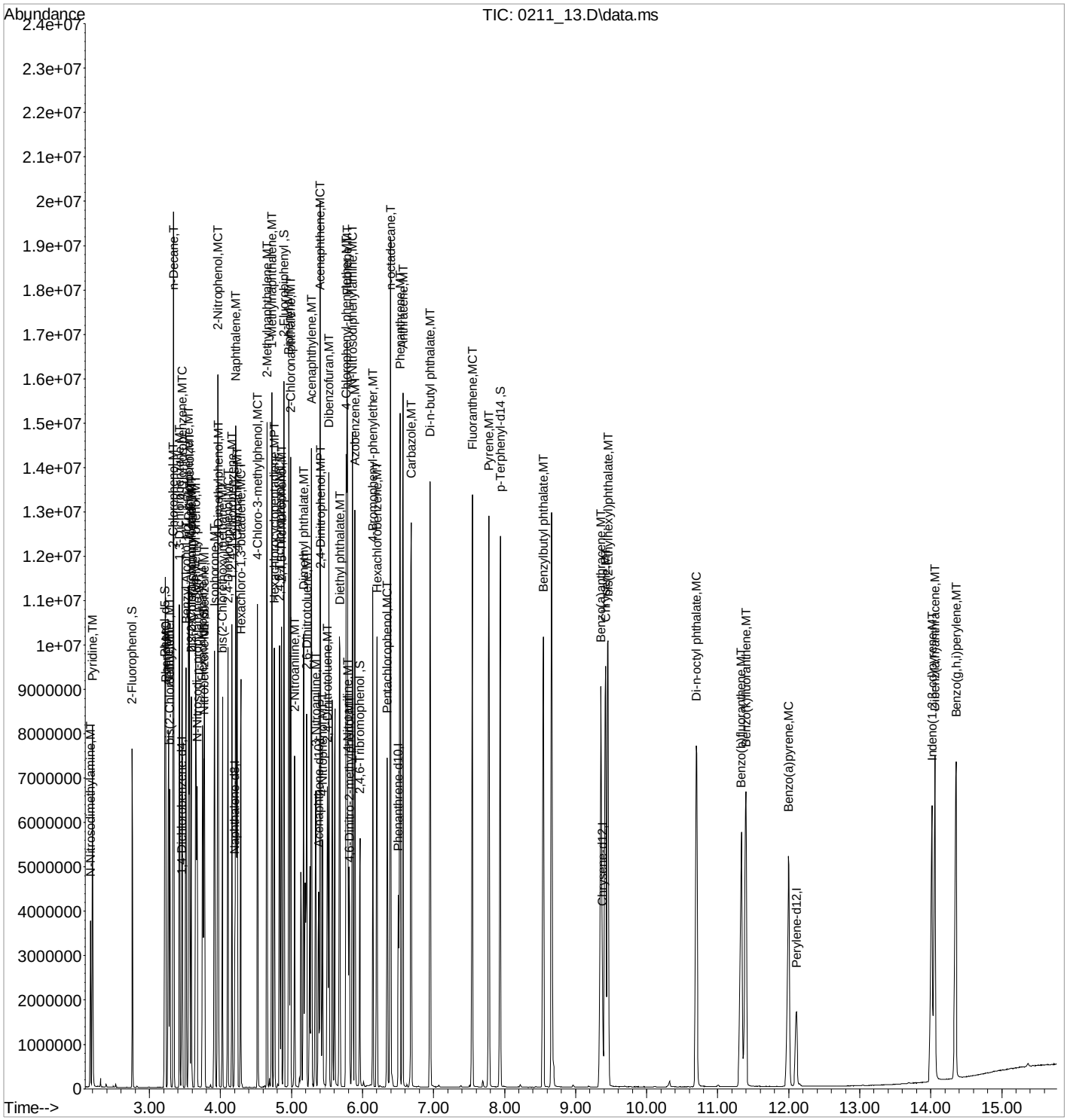
Quant Time: Feb 11 15:24:26 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:23:01 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.757	237	1020953	33835.4924301 ppb		100
48)	2,4,6-Trichlorophenol	4.834	196	994216	34959.0131416 ppb		90
49)	2,4,5-Trichlorophenol	4.857	196	1033068	32929.1968012 ppb		91
51)	Biphenyl	4.963	154	3827769	28239.0054922 ppb		95
52)	2-Chloronaphthalene	4.987	162	3025339	27991.9614950 ppb		94
53)	2-Nitroaniline	5.045	138	1164109	37308.0761011 ppb		99
54)	Acenaphthylene	5.281	152	4487778	27515.0710609 ppb		93
55)	Dimethyl phthalate	5.169	163	3430431	29221.0144142 ppb		94
56)	2,6-Dinitrotoluene	5.210	165	871704	34580.7468912 ppb		97
57)	3-Nitroaniline	5.340	138	1013136	35017.0791344 ppb		98
58)	Acenaphthene	5.404	153	3159854	27398.3880210 ppb		98
59)	2,4-Dinitrophenol	5.410	184	473644	44662.7526624 ppb	#	1
60)	Dibenzofuran	5.528	168	4037352	27493.5004350 ppb		97
61)	2,4-Dinitrotoluene	5.504	165	1131268	35782.7916550 ppb		88
63)	4-Nitrophenol	5.439	139	832152	36103.7470875 ppb		98
64)	Fluorene	5.781	166	3616936	28085.3403244 ppb		98
65)	4-Chlorophenyl-phenyle...	5.769	204	1621900	29999.6252952 ppb		91
66)	Diethyl phthalate	5.681	149	3539295	29310.4895089 ppb		95
67)	4-Nitroaniline	5.792	138	1101214	35918.0105236 ppb		99
68)	Azobenzene	5.892	77	3569970	28443.5925767 ppb		96
71)	4,6-Dinitro-2-methylph...	5.816	198	589796	45627.2608158 ppb	#	76
72)	N-Nitrosodiphenylamine	5.857	169	3094101	30550.9678122 ppb		98
74)	4-Bromophenyl-phenylether	6.145	248	899403	32270.6707826 ppb		90
75)	Hexachlorobenzene	6.204	284	1008463	31476.7808959 ppb		100
76)	n-octadecane	6.392	55	606039	29054.8910823 ppb		99
77)	Pentachlorophenol	6.345	266	618634	40315.5131053 ppb		94
78)	Phenanthrene	6.528	178	4816122	25431.1422087 ppb		96
79)	Anthracene	6.569	178	4908936	26983.8619023 ppb		93
80)	Carbazole	6.686	167	4706074	28682.1492341 ppb		97
81)	Di-n-butyl phthalate	6.951	149	5582516	29376.6716295 ppb		93
83)	Fluoranthene	7.545	202	4978386	27412.7755891 ppb		95
86)	Pyrene	7.781	202	5113857	27287.9320516 ppb		95
88)	Benzylbutyl phthalate	8.545	149	2707478	36426.7754066 ppb		98
90)	Benzo(a)anthracene	9.357	228	4725838	26684.4883833 ppb		99
91)	Chrysene	9.422	228	4556279	24282.7341265 ppb		98
92)	bis(2-Ethylhexyl)phtha...	9.457	149	3863110	37111.2428769 ppb		99
93)	Di-n-octyl phthalate	10.698	149	6090057	38556.9366803 ppb		99
95)	Benzo(b)fluoranthene	11.333	252	4296654	29580.4624056 ppb		98
96)	Benzo(k)fluoranthene	11.398	252	4390652	29868.7540170 ppb		99
97)	Benzo(a)pyrene	11.998	252	3767938	32209.3301057 ppb		99
98)	Indeno(1,2,3-cd)pyrene	14.015	276	3583241	30677.4893292 ppb		99
99)	Dibenz(a,h)anthracene	14.062	278	3865942m	29738.4493855 ppb		
100)	Benzo(g,h,i)perylene	14.357	276	3833598	28429.3076214 ppb		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 13.D
Acq On : 11 Feb 2022 1:51 pm
Operator : 917
Sample : STD SVMS 30K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 10 Sample Multiplier: 1
InstName : BNAMS20

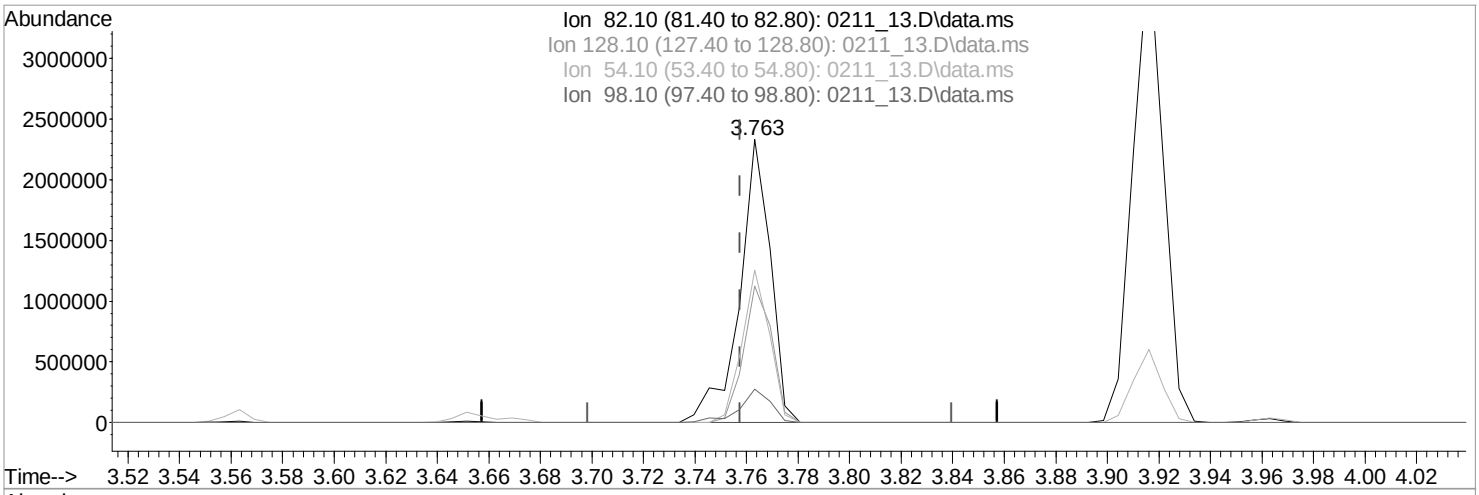
Quant Time: Feb 11 15:24:26 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:23:01 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

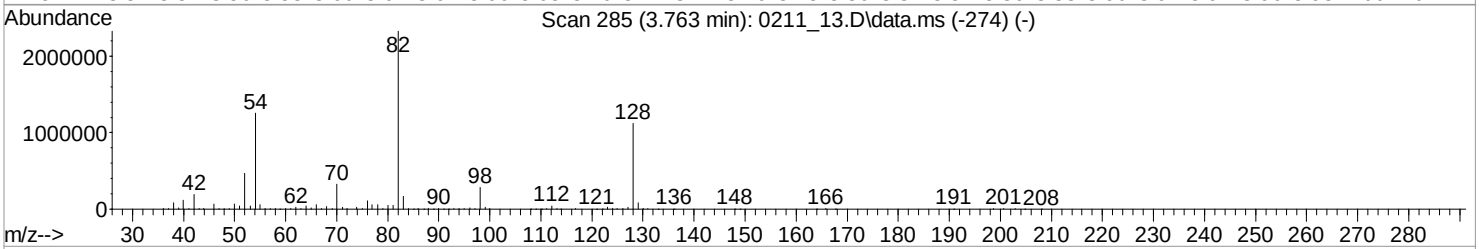


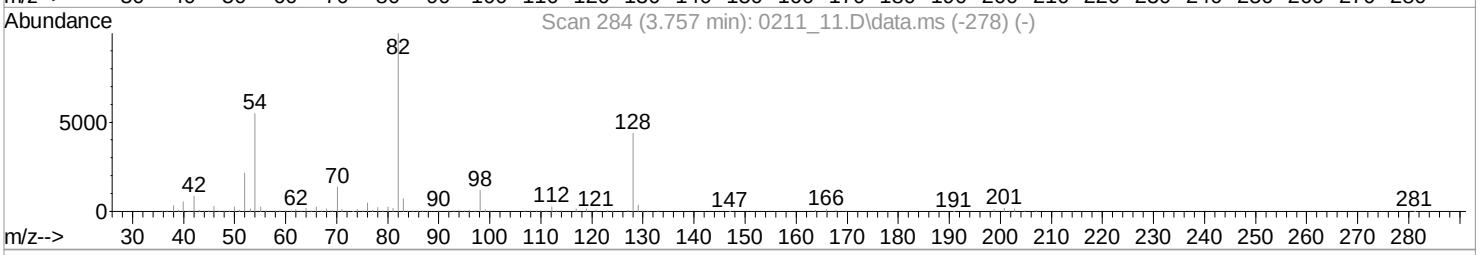
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 13.D
Acq On : 11 Feb 2022 1:51 pm
Operator : 917
Sample : STD SVMS 30K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 10 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:23:15 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:23:01 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_13.D\data.ms

(24) Nitrobenzene-d5 (S)

3.763min (+0.006) 31503.8368364 ppb

Qvalue = 96

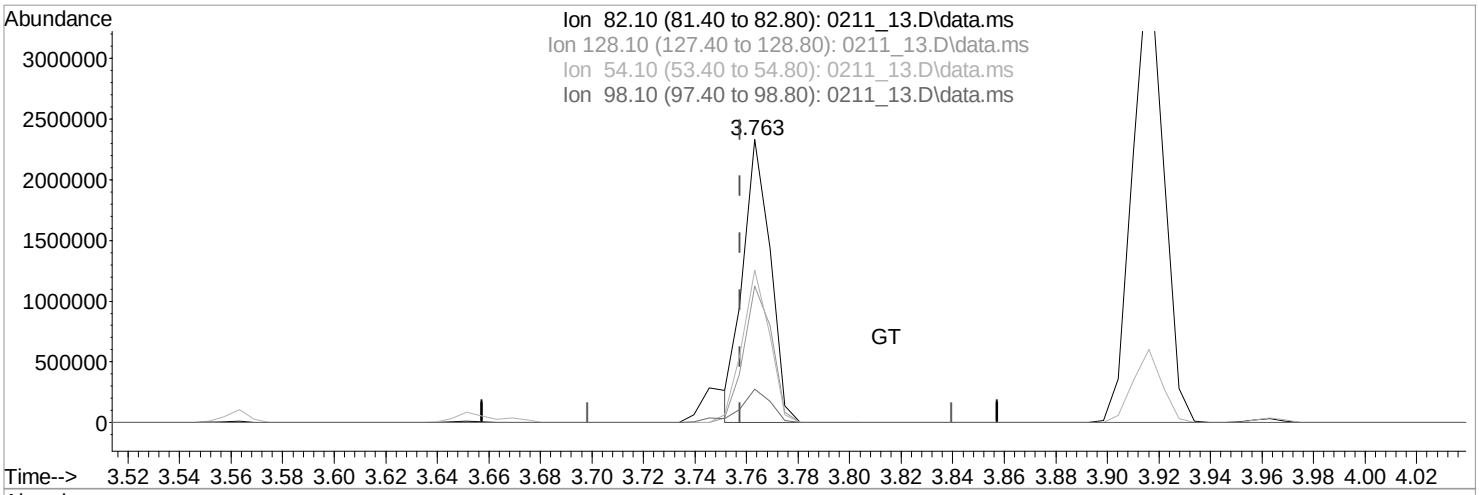
response 1932054

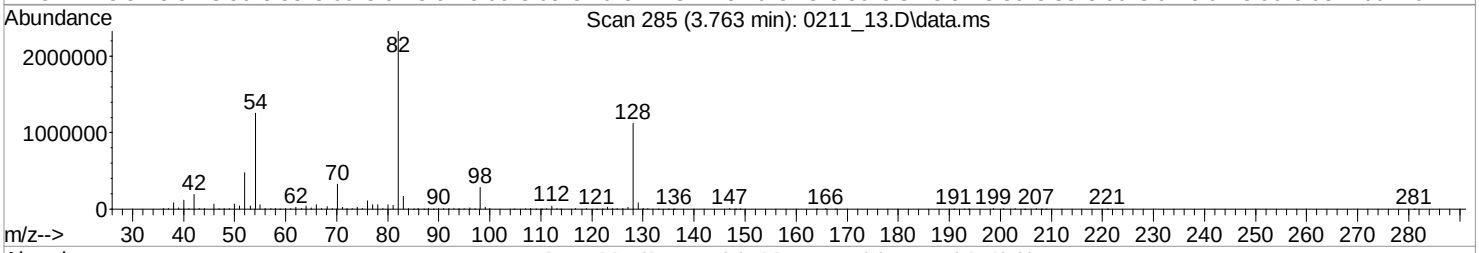
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	48.15
54.10	54.80	53.80
98.10	11.60	11.89

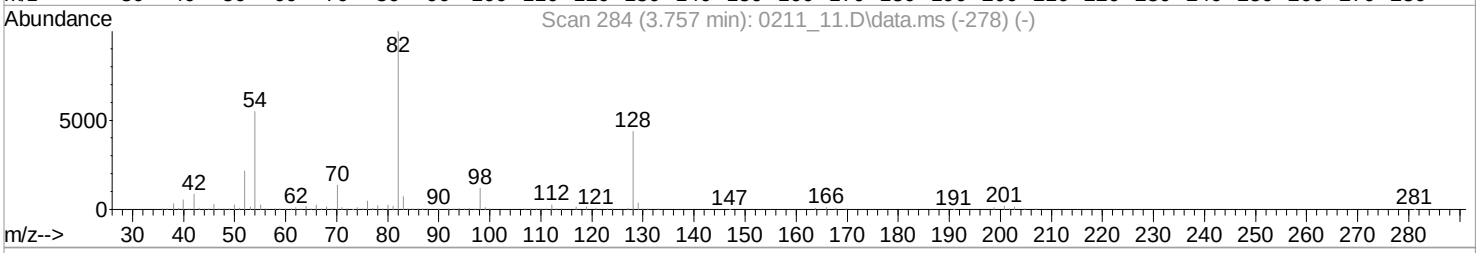
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 13.D
Acq On : 11 Feb 2022 1:51 pm
Operator : 917
Sample : STD SVMS 30K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 10 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:23:15 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:23:01 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_13.D\data.ms

(24) Nitrobenzene-d5 (S)

3.763min (+0.006) 27929.3763998 ppb m

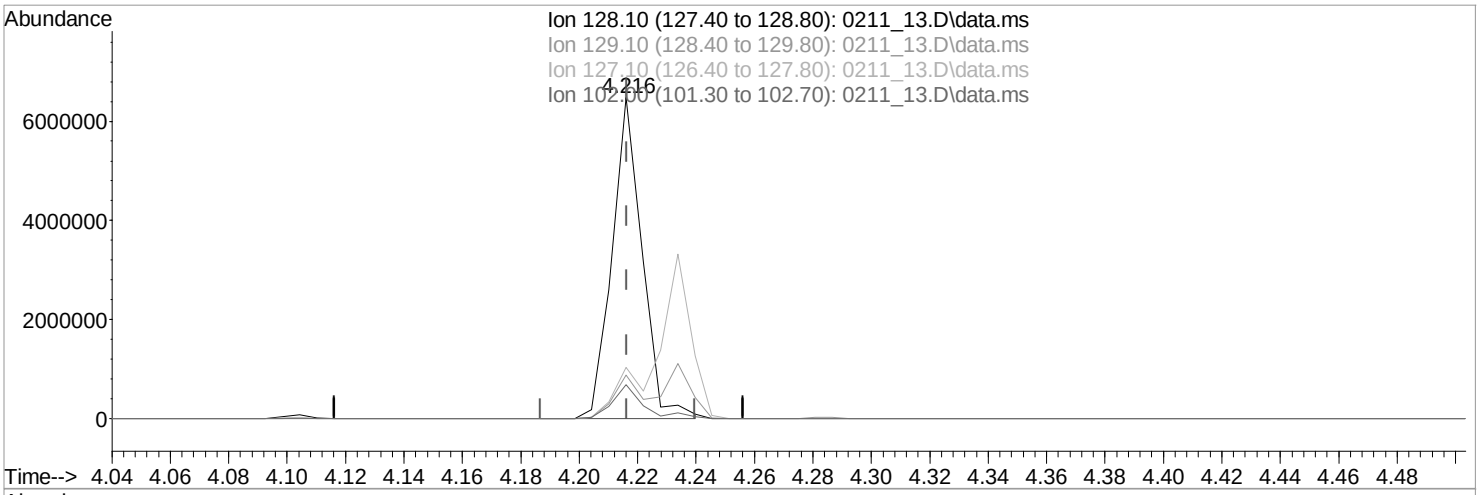
response 1712841

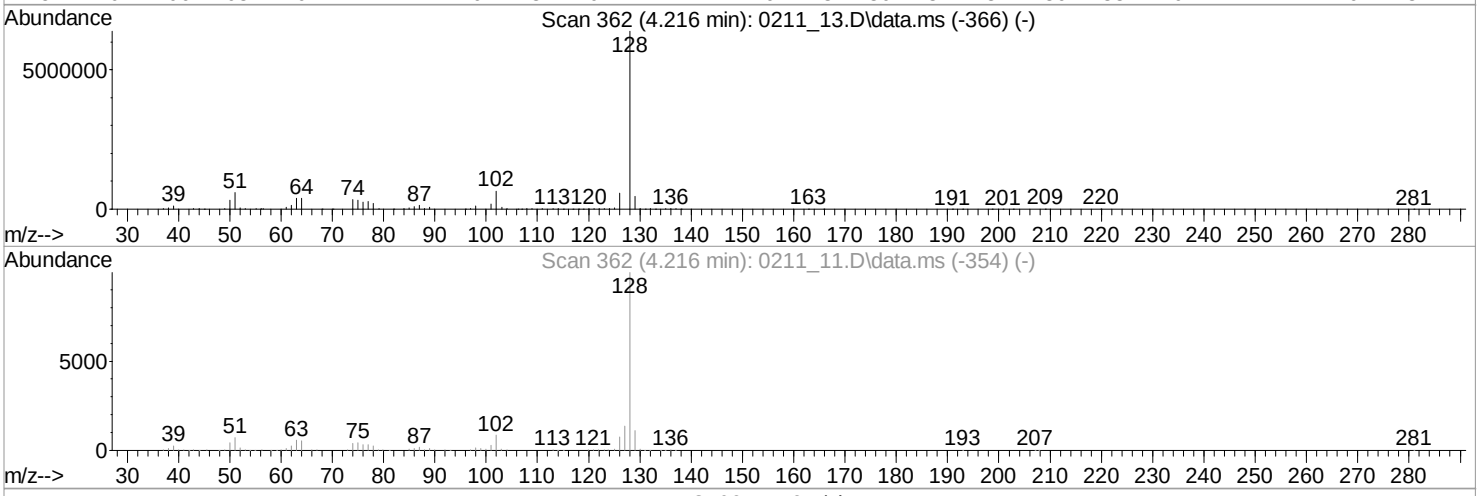
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	48.15
54.10	54.80	53.81
98.10	11.60	11.89

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 13.D
Acq On : 11 Feb 2022 1:51 pm
Operator : 917
Sample : STD SVMS 30K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 10 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:23:15 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:23:01 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_13.D\data.ms

(34) Naphthalene (MT)

4.216min (-0.000) 25964.4337310 ppb

Qvalue = 94

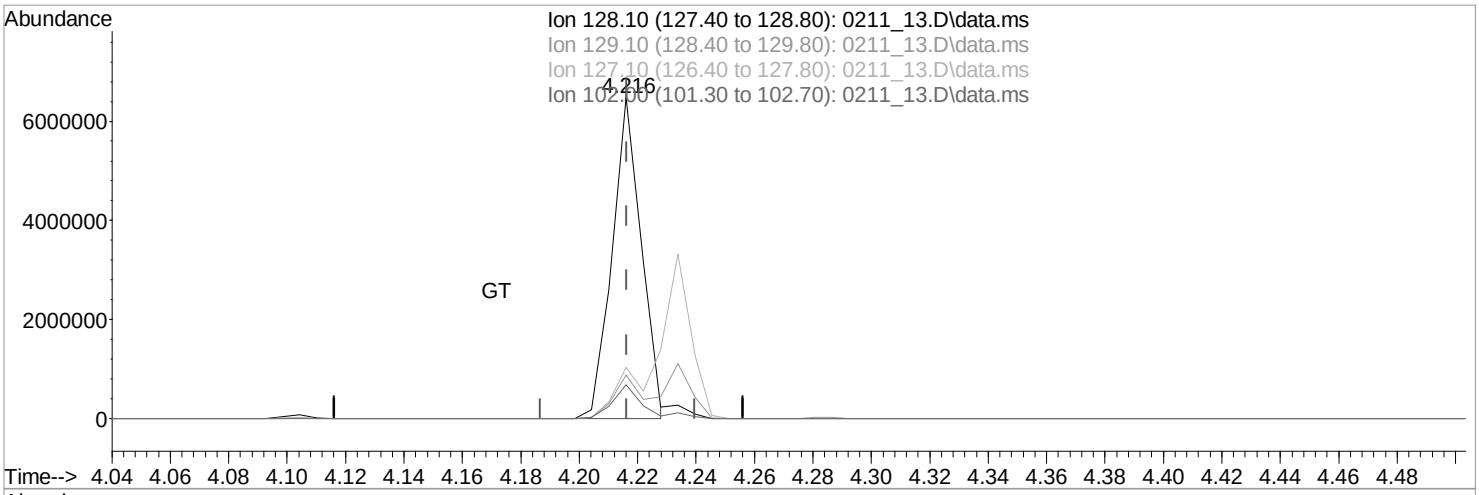
response 4613419

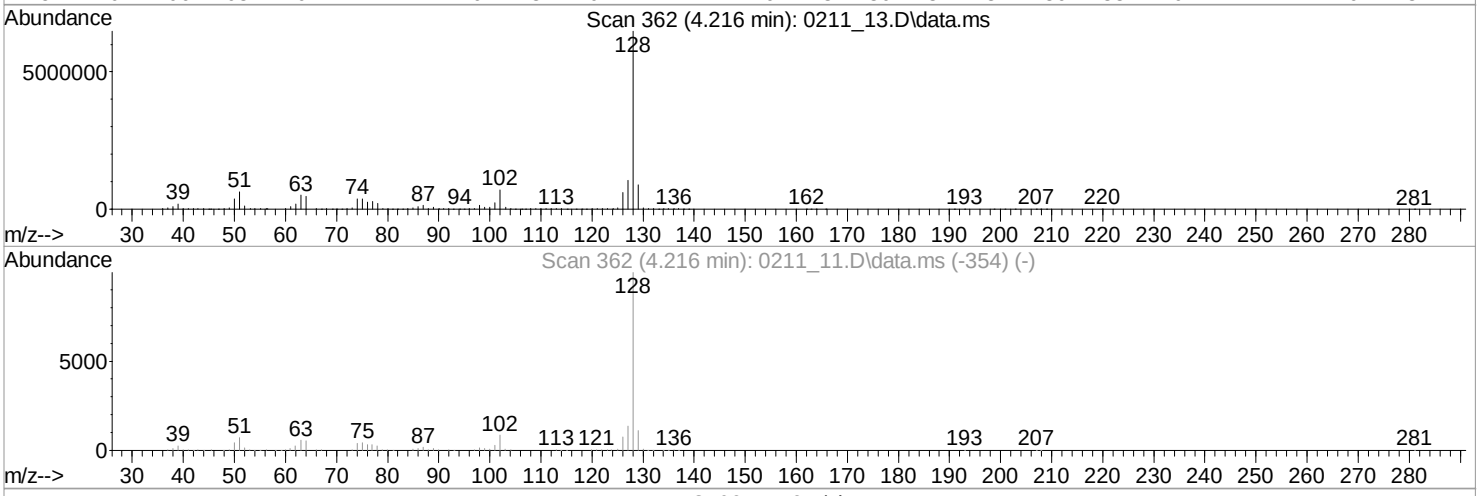
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	13.53
127.10	13.40	16.05
102.00	8.60	10.56

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 13.D
Acq On : 11 Feb 2022 1:51 pm
Operator : 917
Sample : STD SVMS 30K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 10 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:23:15 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:23:01 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_13.D\data.ms

(34) Naphthalene (MT)

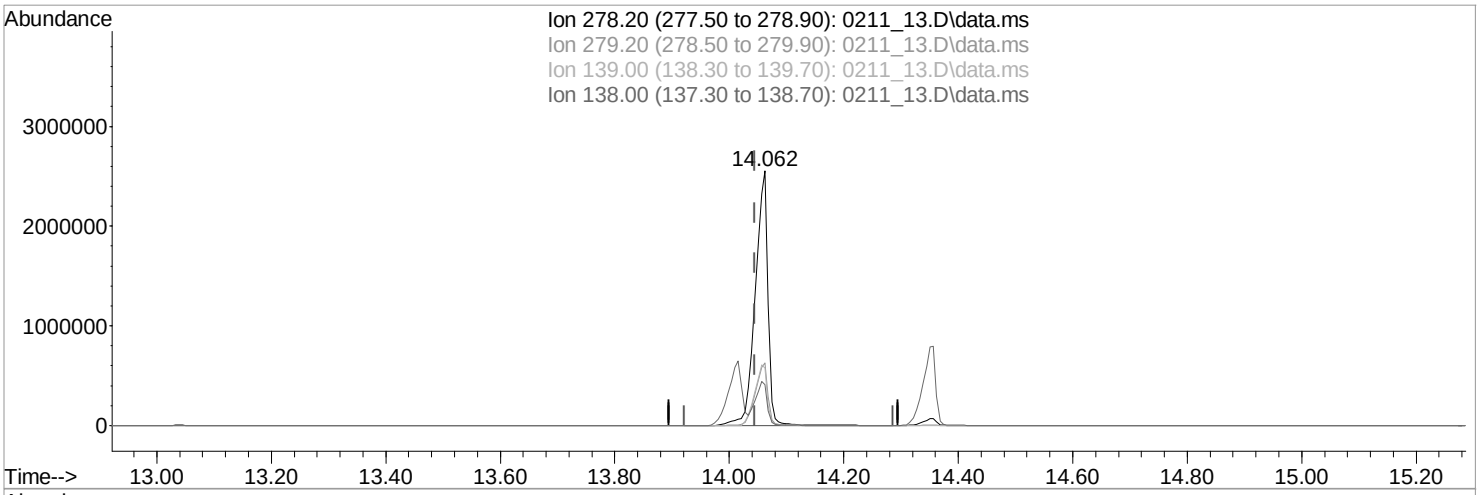
4.216min (-0.000) 25207.7402507 ppb m

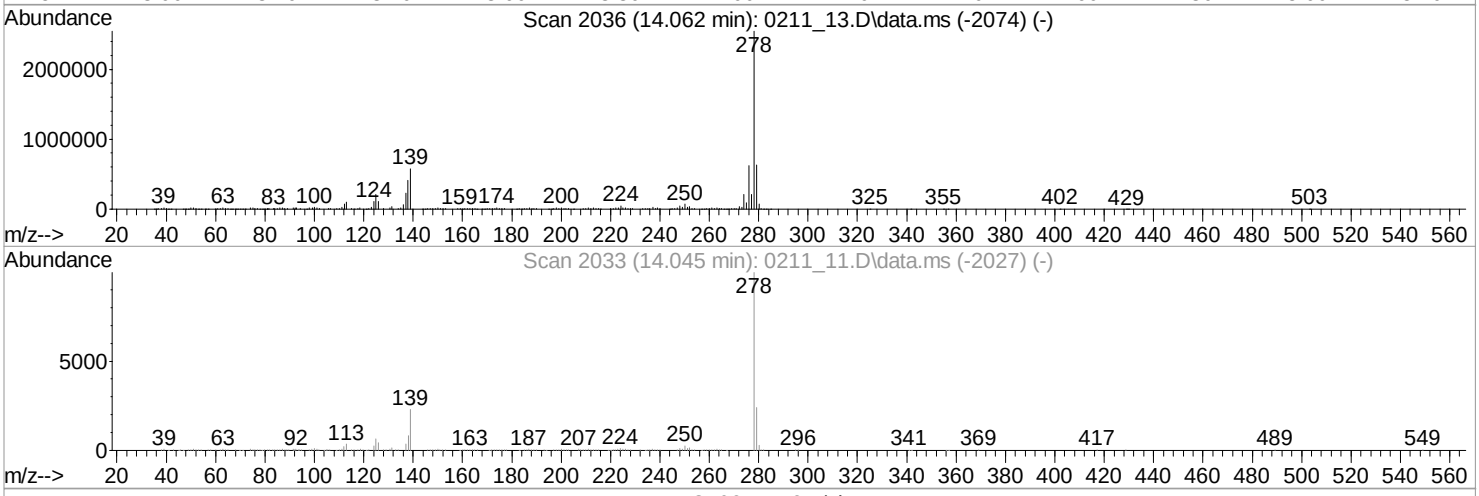
response 4478968

Ion	Exp%	Act%
128.10	100	100
129.10	11.10	13.54
127.10	13.40	16.05
102.00	8.60	10.56

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 13.D
Acq On : 11 Feb 2022 1:51 pm
Operator : 917
Sample : STD SVMS 30K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 10 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:23:15 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:23:01 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_13.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

14.062min (+0.018) 30598.6696318 ppb

Qvalue = 99

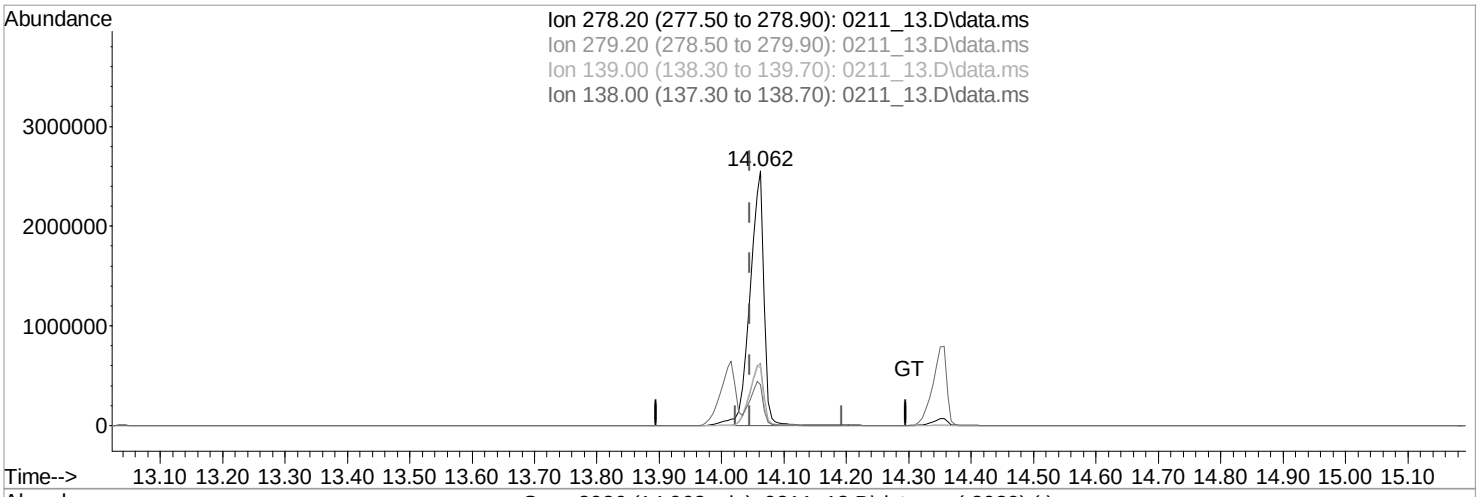
response 3977769

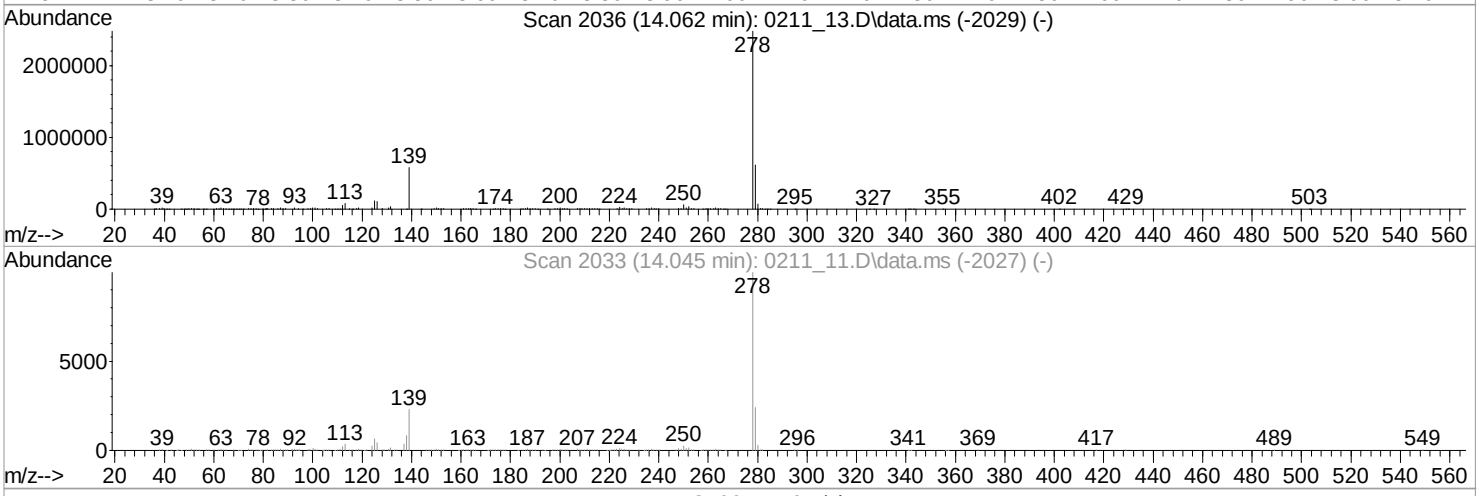
Ion	Exp%	Act%
278.20	100	100
279.20	23.90	24.50
139.00	22.50	22.64
138.00	15.80	16.14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 13.D
Acq On : 11 Feb 2022 1:51 pm
Operator : 917
Sample : STD SVMS 30K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 10 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:23:15 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:23:01 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_13.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

14.062min (+0.018) 29738.4493855 ppb m

response 3865942

Ion	Exp%	Act%
278.20	100	100
279.20	23.90	24.50
139.00	22.50	22.64
138.00	15.80	16.14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:26:18 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.451	152	349668	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.204	136	1413240	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.381	164	772695	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.510	188	1308595	8000.0000000 ppb	0.00
84) Chrysene-d12	9.375	240	1101057	8000.0000000 ppb	0.01
94) Perylene-d12	12.104	264	981538	8000.0000000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.757	112	1953916	39008.2026913 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 975.21%#		
7) Phenol-d5	3.222	99	2540783	40047.8402074 ppb	0.01
Spiked Amount 4000.000	Range 10 - 120		Recovery = 1001.20%#		
24) Nitrobenzene-d5	3.763	82	2279743m	37613.7652800 ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 1880.69%#		
50) 2-Fluorobiphenyl	4.893	172	4285799	37276.4931156 ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 1863.82%#		
73) 2,4,6-Tribromophenol	5.963	330	622527	50819.4949952 ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 1270.49%#		
87) p-Terphenyl-d14	7.939	244	5071128	38653.2324194 ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 1932.66%#		
Target Compounds					Qvalue
2) Pyridine	2.199	79	2065936	37158.8987021 ppb	99
3) N-Nitrosodimethylamine	2.169	42	1205995	38504.1651901 ppb	99
5) Aniline	3.269	66	1209440	39392.2016678 ppb	98
6) bis(2-Chloroethyl)ether	3.293	93	1965475	38515.8002708 ppb	99
8) Phenol	3.228	94	2610626	39186.4775003 ppb	93
10) 2-Chlorophenol	3.340	128	2306271	40990.0548858 ppb	96
11) n-Decane	3.340	41	1259618	35250.4174586 ppb	97
12) 1,3-Dichlorobenzene	3.422	146	2377785	38794.1505731 ppb	97
13) 1,4-Dichlorobenzene	3.463	146	2403754	38105.2586092 ppb	95
14) Benzyl Alcohol	3.516	79	1796764	40881.1238085 ppb	100
15) 1,2-Dichlorobenzene	3.551	146	2310565	39076.2403270 ppb	95
16) bis(2-Chloroisopropyl)...	3.587	121	781993	39348.3311767 ppb	99
17) 2,2-oxybis(1-chloropro...	3.587	121	781993	39348.3311767 ppb	99
18) 2-Methylphenol	3.563	108	2019052	40589.7727118 ppb	99
19) Hexachloroethane	3.746	117	993487	40382.0154233 ppb	96
20) N-Nitrosodi-n-propylamine	3.675	70	1587306	40771.2366179 ppb	92
21) 3&4-Methyl phenol	3.657	107	2291778	40171.3938620 ppb	98
25) Nitrobenzene	3.775	77	2212551	39403.3879697 ppb	99
26) Isophorone	3.922	82	4129859	40015.6898007 ppb	98
27) 2-Nitrophenol	3.963	139	1261206	47013.2871146 ppb	85
28) 2,4-Dimethylphenol	3.969	107	2218570	40385.4276837 ppb	98
29) bis(2-Chlorethoxy)methane	4.028	93	2469811	38427.9856818 ppb	98
30) 2,4-Dichlorophenol	4.104	162	1825879	42119.5655169 ppb	98
32) 1,2,4-Trichlorobenzene	4.163	180	1871486	39473.3067270 ppb	98
34) Naphthalene	4.216	128	5572639m	32061.9390621 ppb	
35) 4-Chloroaniline	4.234	65	809255	38997.2312792 ppb	98
36) Hexachloro-1,3-butadiene	4.287	225	1034123	41828.2840648 ppb	97
40) 4-Chloro-3-methylphenol	4.522	107	1936041	41686.0241382 ppb	93
41) 2-Methylnaphthalene	4.657	142	4046498	36235.7348187 ppb	97
42) 1-Methylnaphthalene	4.722	142	3920316	36501.1604126 ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

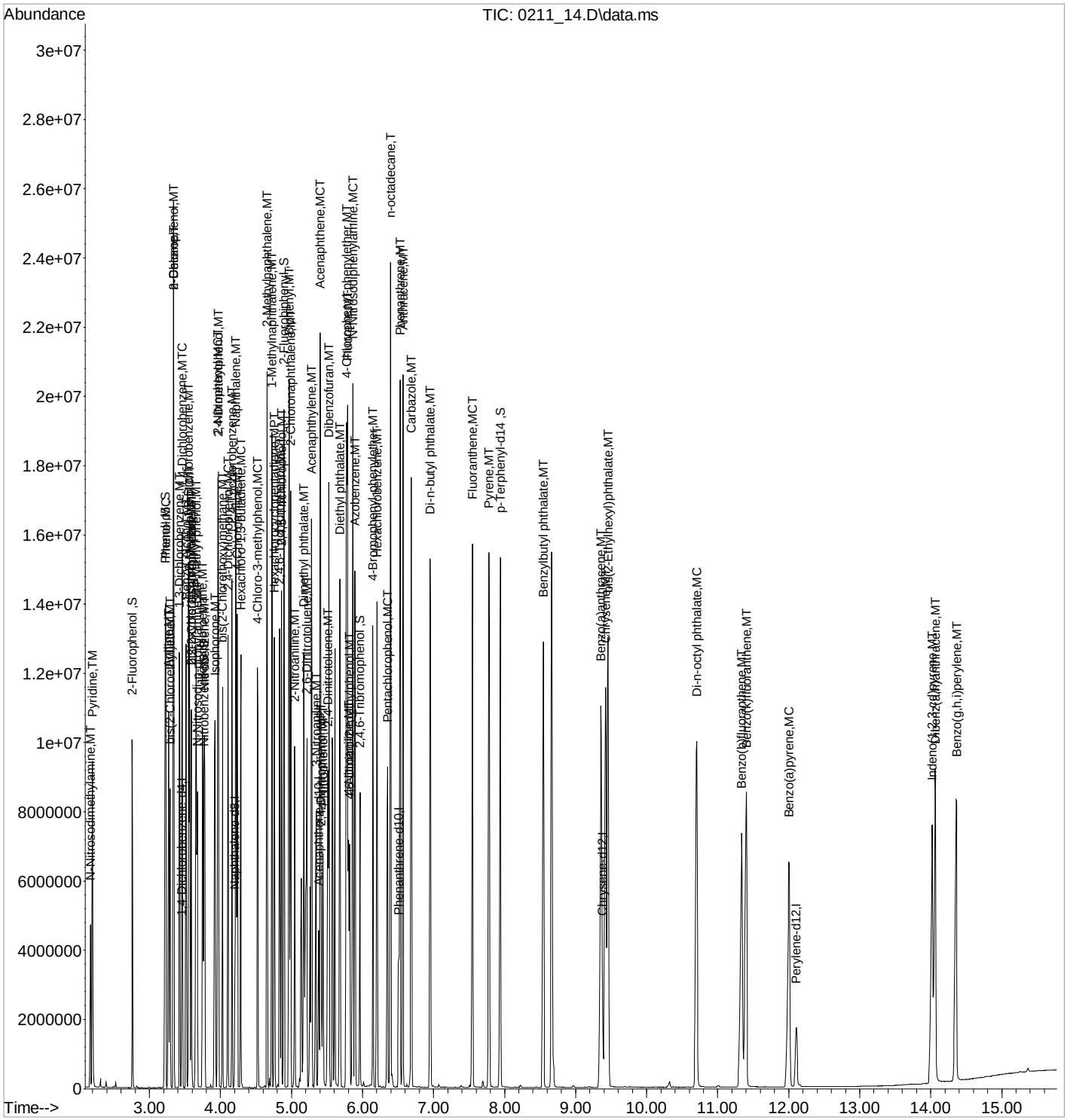
Quant Time: Feb 11 15:26:18 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.757	237	1374817	44757.9604041 ppb		99
48)	2,4,6-Trichlorophenol	4.834	196	1311649	45069.0934669 ppb		92
49)	2,4,5-Trichlorophenol	4.857	196	1415147	44499.6915810 ppb		94
51)	Biphenyl	4.969	154	4768054	35483.0705412 ppb		92
52)	2-Chloronaphthalene	4.987	162	3915151	36540.6185458 ppb		92
53)	2-Nitroaniline	5.045	138	1545738	47885.9003232 ppb		98
54)	Acenaphthylene	5.281	152	5663957	35099.2979021 ppb		90
55)	Dimethyl phthalate	5.175	163	4433215	37913.9055707 ppb		94
56)	2,6-Dinitrotoluene	5.216	165	1150348	44672.7052391 ppb		88
57)	3-Nitroaniline	5.345	138	1333944	45041.7487229 ppb		95
58)	Acenaphthene	5.404	153	4085721	35824.4322794 ppb		96
59)	2,4-Dinitrophenol	5.416	184	660169	57578.1035403 ppb	#	1
60)	Dibenzofuran	5.528	168	5157684	35556.7524457 ppb		94
61)	2,4-Dinitrotoluene	5.510	165	1499211	46162.9020675 ppb		91
63)	4-Nitrophenol	5.445	139	1102414	46491.1696804 ppb		98
64)	Fluorene	5.787	166	4615679	36138.6720164 ppb		97
65)	4-Chlorophenyl-phenyle...	5.775	204	2143296	39654.6228247 ppb		93
66)	Diethyl phthalate	5.681	149	4533963	37681.8069829 ppb		93
67)	4-Nitroaniline	5.804	138	1426024	45249.8295321 ppb		99
68)	Azobenzene	5.893	77	4538648	36441.5019358 ppb		95
71)	4,6-Dinitro-2-methylph...	5.816	198	814112	59756.0348370 ppb		88
72)	N-Nitrosodiphenylamine	5.863	169	3952492	39679.9262392 ppb		95
74)	4-Bromophenyl-phenylether	6.145	248	1192802	43161.7097042 ppb		86
75)	Hexachlorobenzene	6.204	284	1330158	42027.8810302 ppb		98
76)	n-octadecane	6.392	55	783895	38484.2345163 ppb		98
77)	Pentachlorophenol	6.351	266	847784	53684.0356822 ppb		98
78)	Phenanthrene	6.528	178	5979953	32814.1233866 ppb		90
79)	Anthracene	6.569	178	6091312	34567.4518841 ppb		88
80)	Carbazole	6.687	167	5918266	37002.3009750 ppb		95
81)	Di-n-butyl phthalate	6.951	149	6739149	36259.0141028 ppb		91
83)	Fluoranthene	7.545	202	6234904	35379.2554343 ppb		93
86)	Pyrene	7.781	202	6425547	35128.2608646 ppb		92
88)	Benzylbutyl phthalate	8.545	149	3527612	46648.0847937 ppb		98
90)	Benzo(a)anthracene	9.357	228	6109656	35434.5696778 ppb		97
91)	Chrysene	9.422	228	5900274	32630.1689153 ppb		96
92)	bis(2-Ethylhexyl)phtha...	9.457	149	5020497	47254.2665639 ppb		98
93)	Di-n-octyl phthalate	10.704	149	7879424	48553.3549820 ppb		98
95)	Benzo(b)fluoranthene	11.339	252	5590983m	39778.2110074 ppb		
96)	Benzo(k)fluoranthene	11.404	252	5583251	39204.4585969 ppb		99
97)	Benzo(a)pyrene	12.004	252	4864406	42506.0539630 ppb		98
98)	Indeno(1,2,3-cd)pyrene	14.021	276	4650426m	40957.6432152 ppb		
99)	Dibenz(a,h)anthracene	14.068	278	5038130m	40024.7438495 ppb		
100)	Benzo(g,h,i)perylene	14.363	276	4895523	37699.2811027 ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

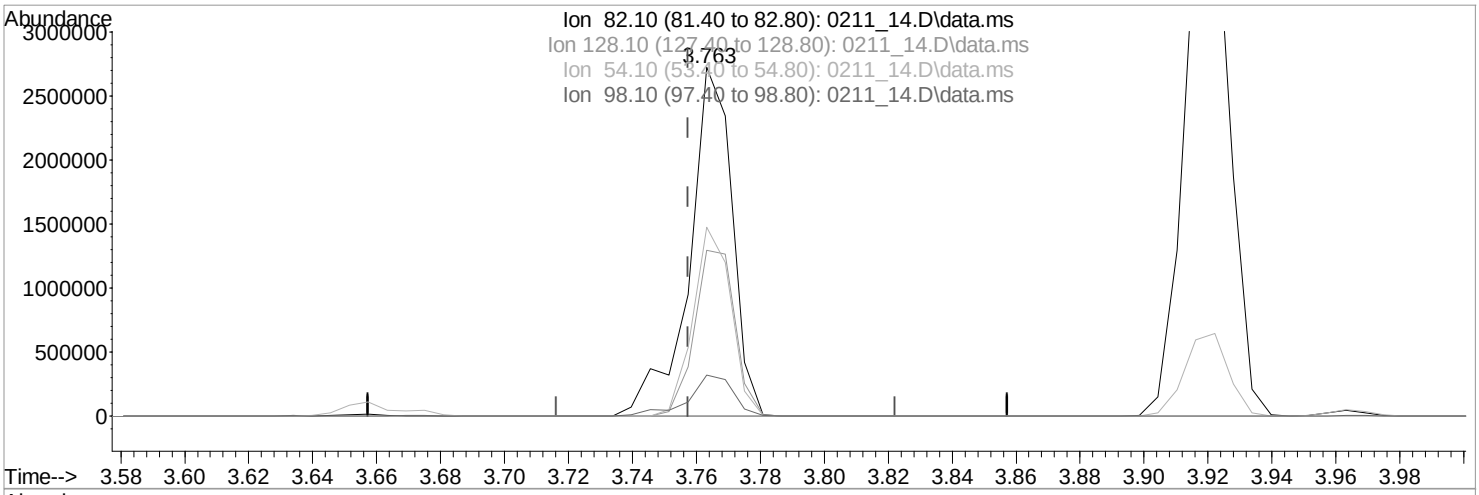
Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

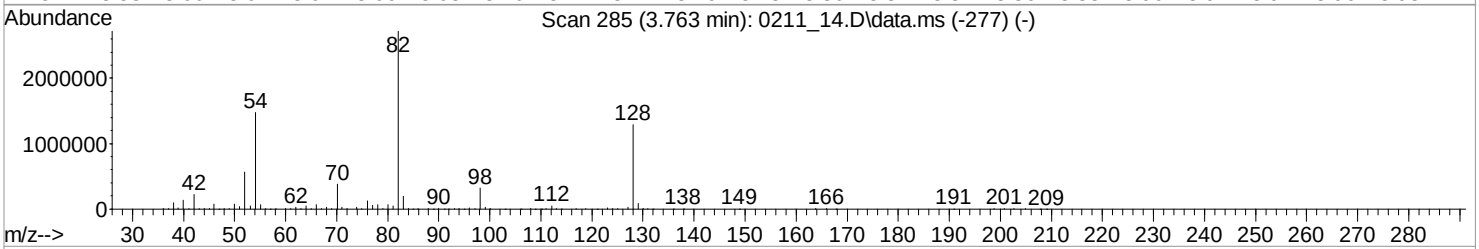
Quant Time: Feb 11 15:26:18 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

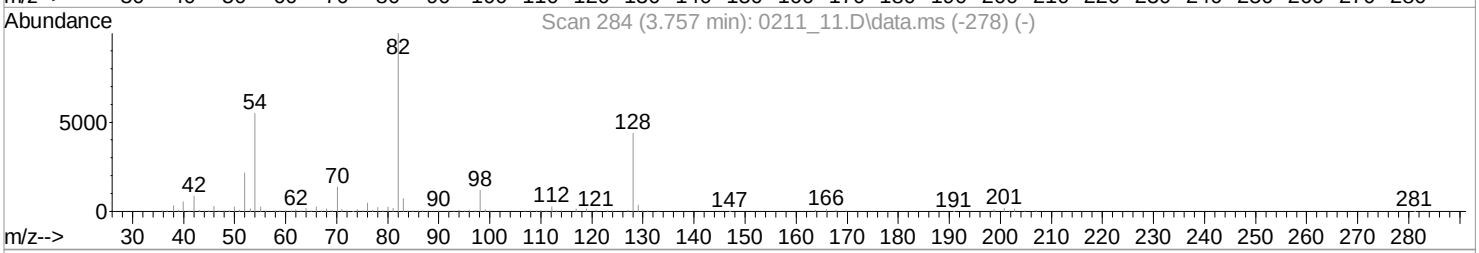


Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:37 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_14.D\data.ms

(24) Nitrobenzene-d5 (S)

3.763min (+0.006) 42014.4284640 ppb

Qvalue = 97

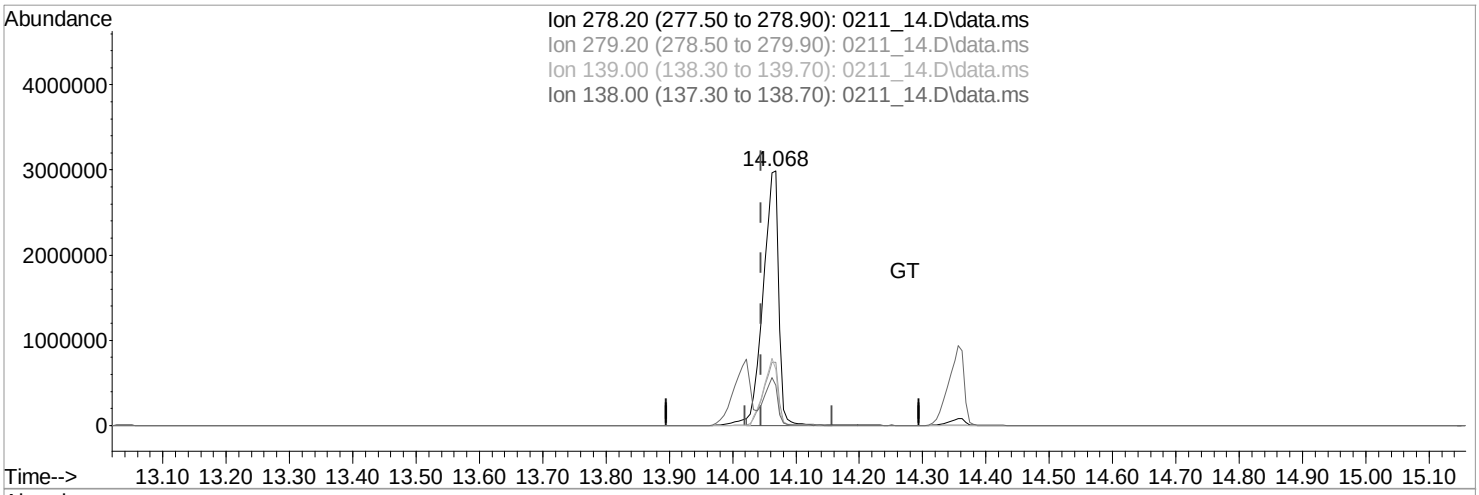
response 2546464

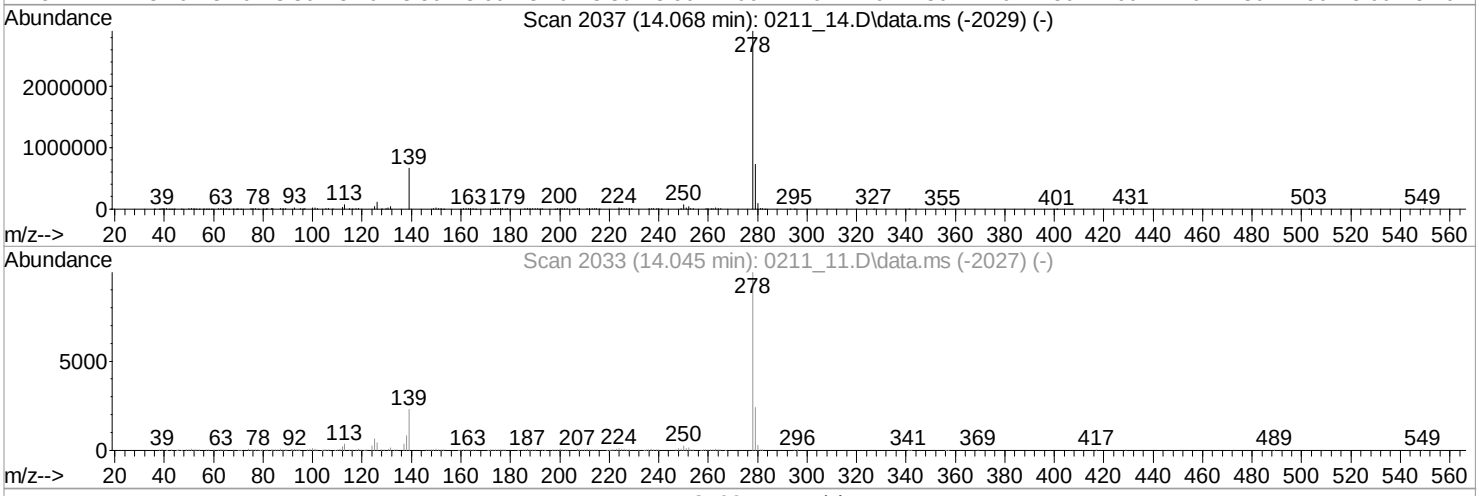
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	47.45
54.10	54.80	54.11
98.10	11.60	11.69

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:37 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_14.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

14.068min (+0.024) 40024.7438495 ppb m

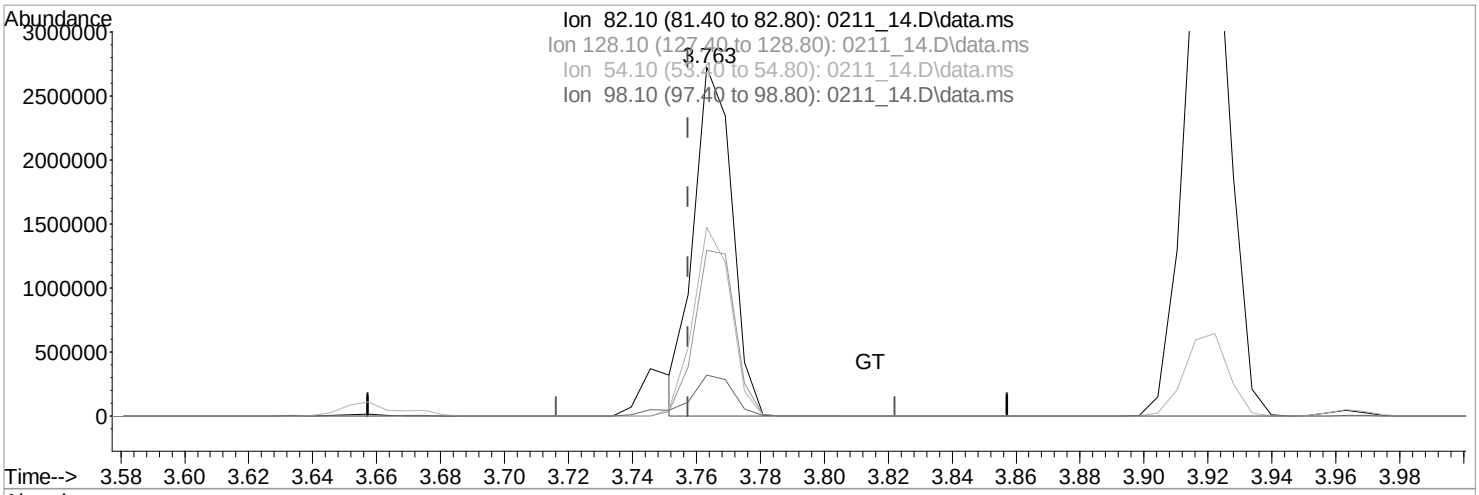
response 5038130

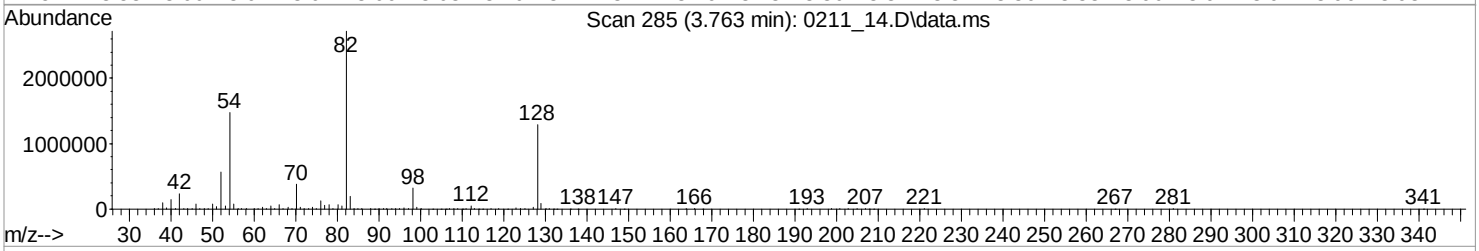
Ion	Exp%	Act%
278.20	100	100
279.20	23.90	24.72
139.00	22.50	22.08
138.00	15.80	15.71

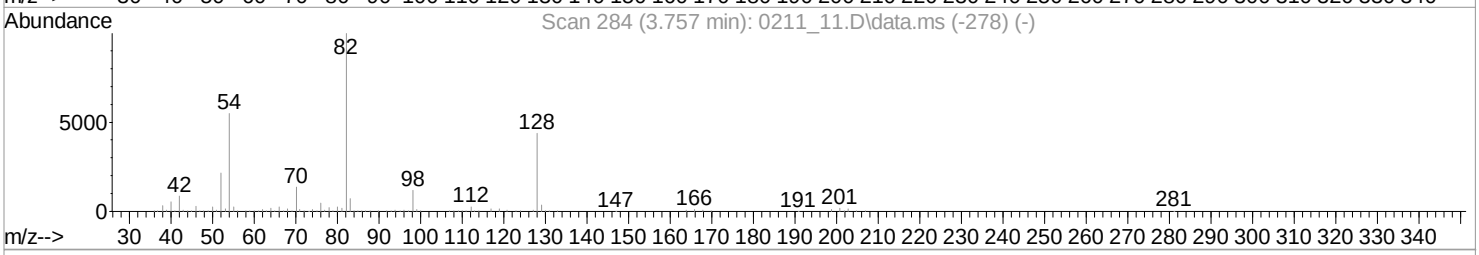
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:37 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_14.D\data.ms

(24) Nitrobenzene-d5 (S)

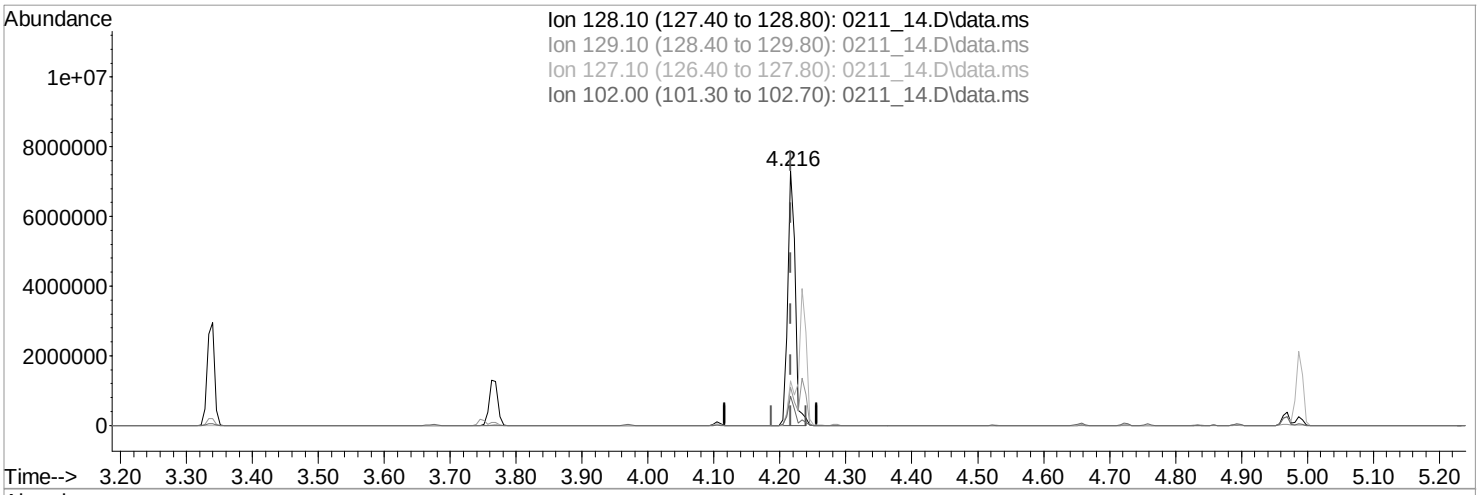
3.763min (+0.006) 37613.7652800 ppb m

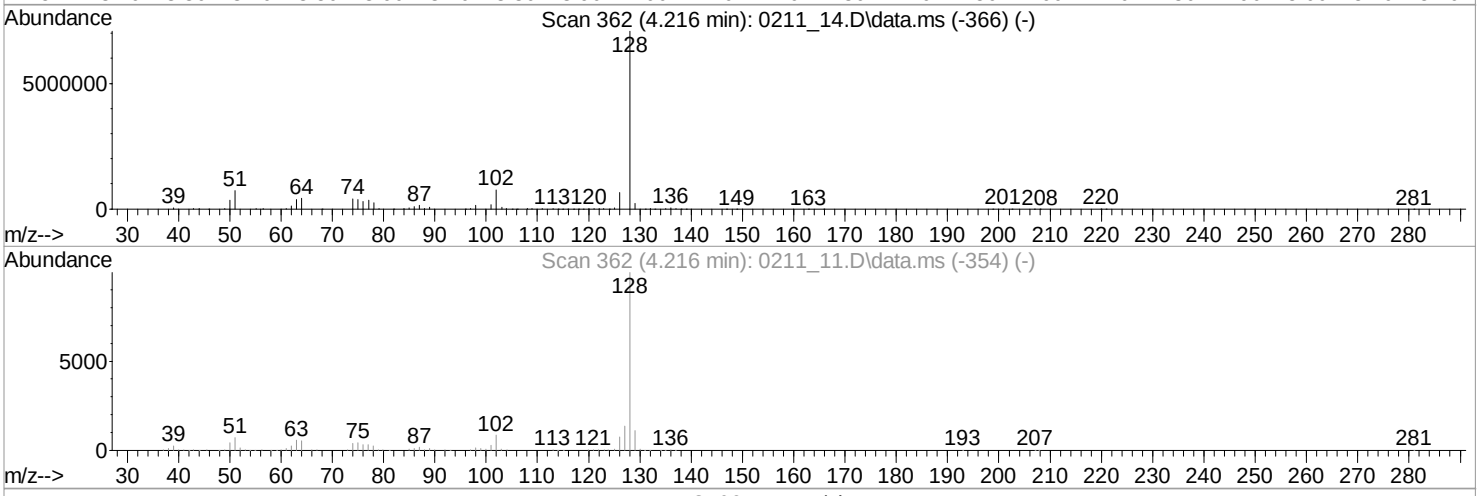
response 2279743

Ion	Exp%	Act%
82.10	100	100
128.10	43.50	47.44
54.10	54.80	54.11
98.10	11.60	11.70

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:37 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_14.D\data.ms

(34) Naphthalene (MT)

4.216min (-0.000) 33179.9163125 ppb

Qvalue = 90

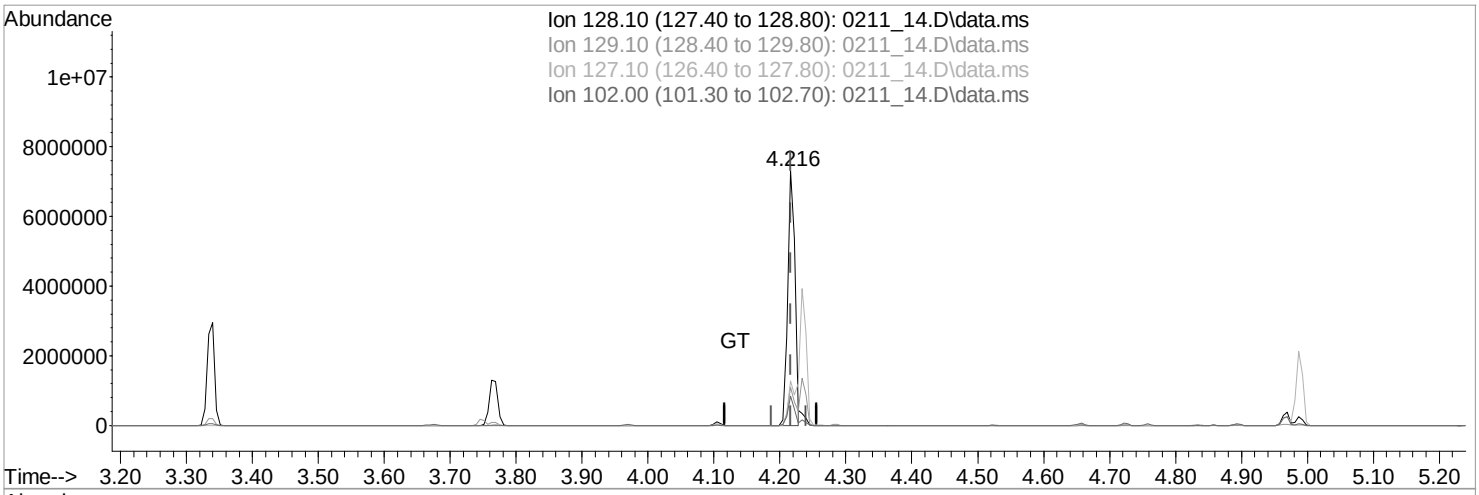
response 5766953

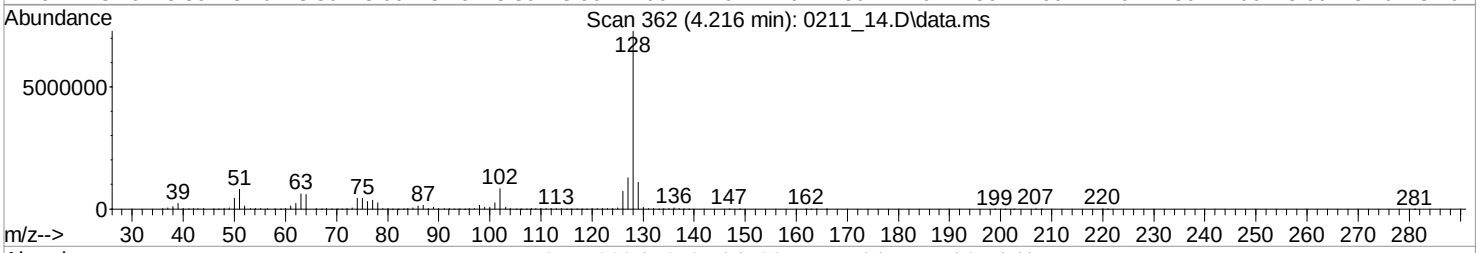
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	14.99
127.10	13.40	17.43
102.00	8.60	11.49

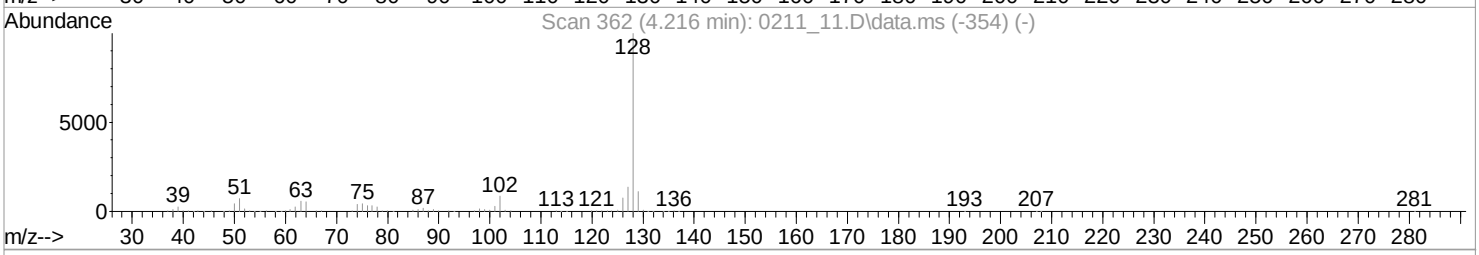
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:37 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_14.D\data.ms

(34) Naphthalene (MT)

4.216min (-0.000) 32061.9390621 ppb m

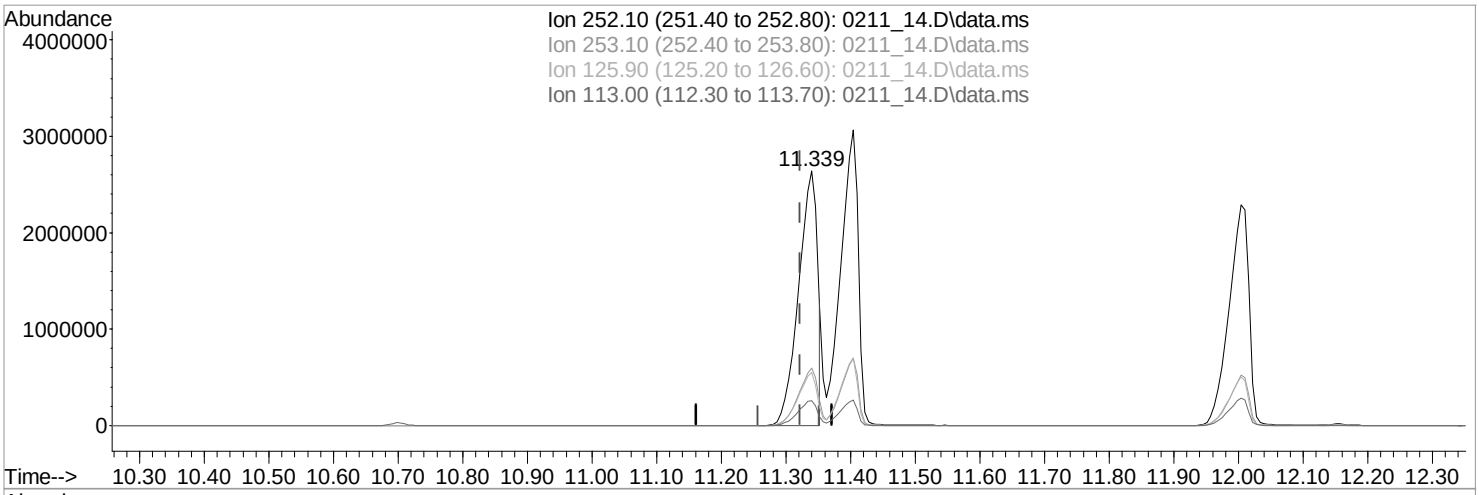
response 5572639

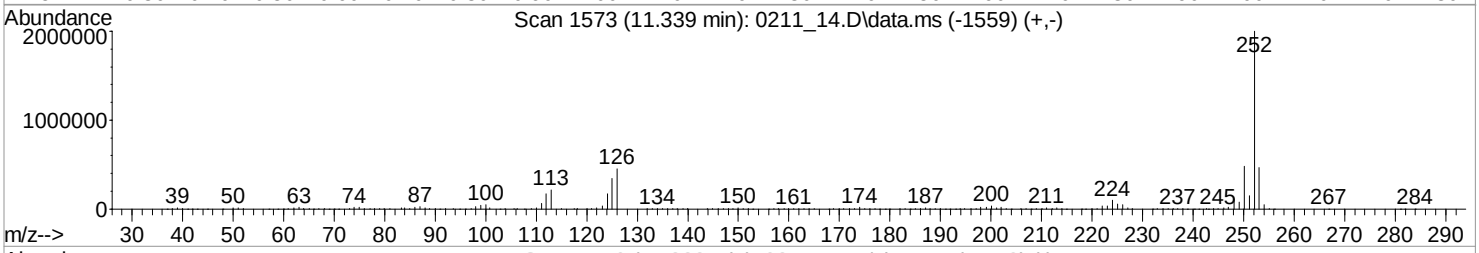
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	14.99
127.10	13.40	17.43
102.00	8.60	11.49

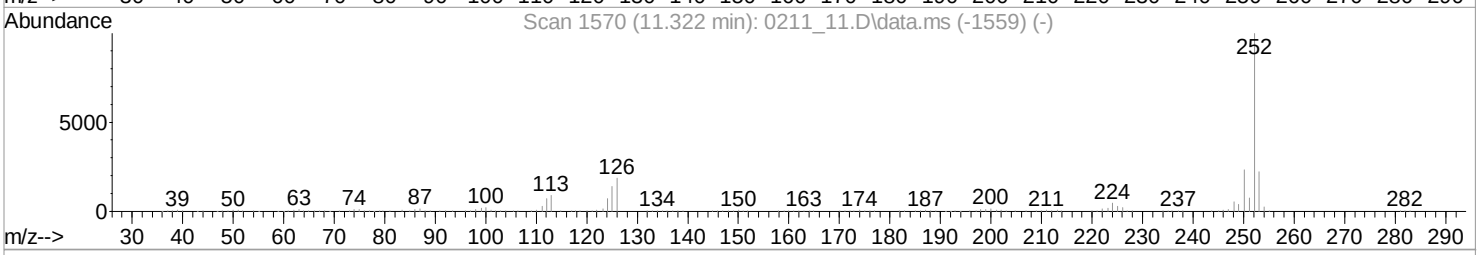
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:37 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_14.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.339min (+0.018) 37825.7999759 ppb

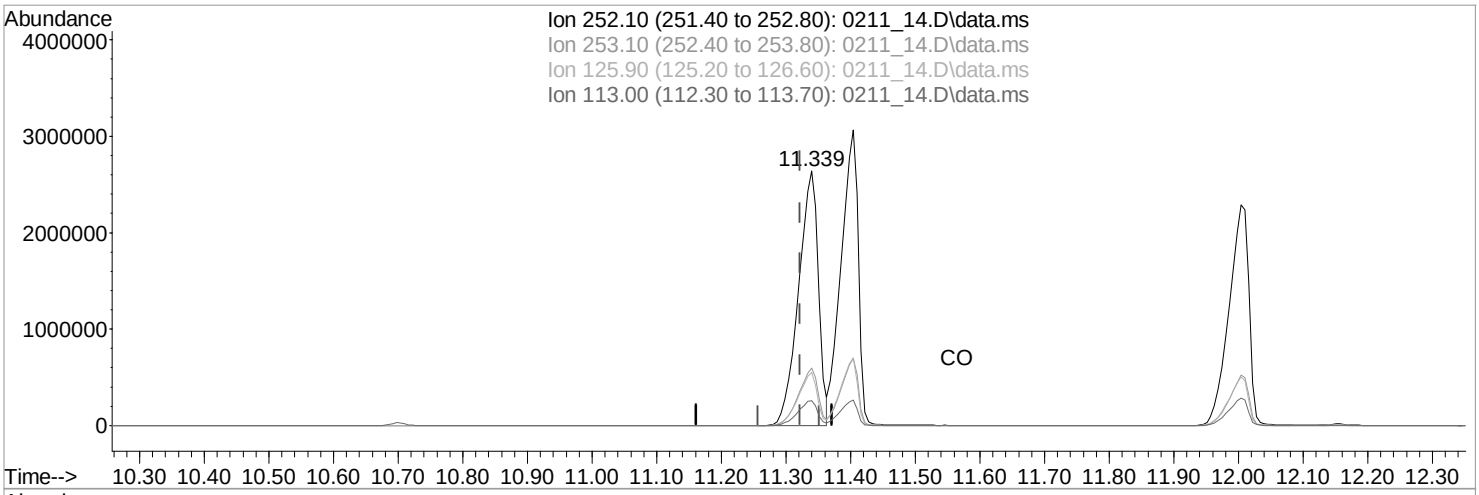
Qvalue = 95

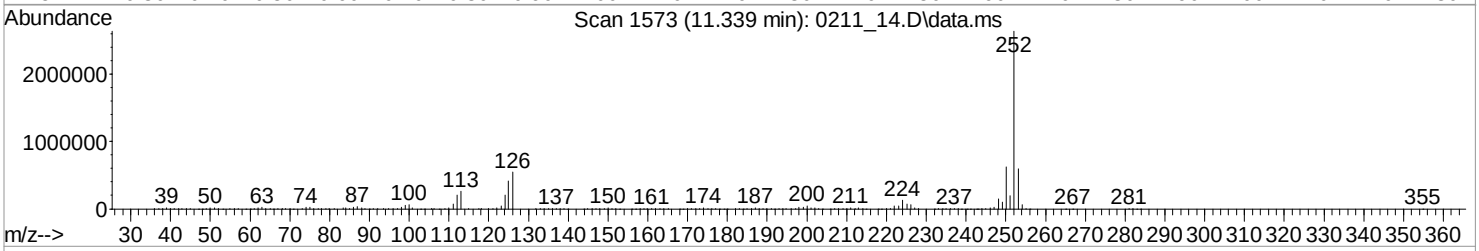
response 5316564

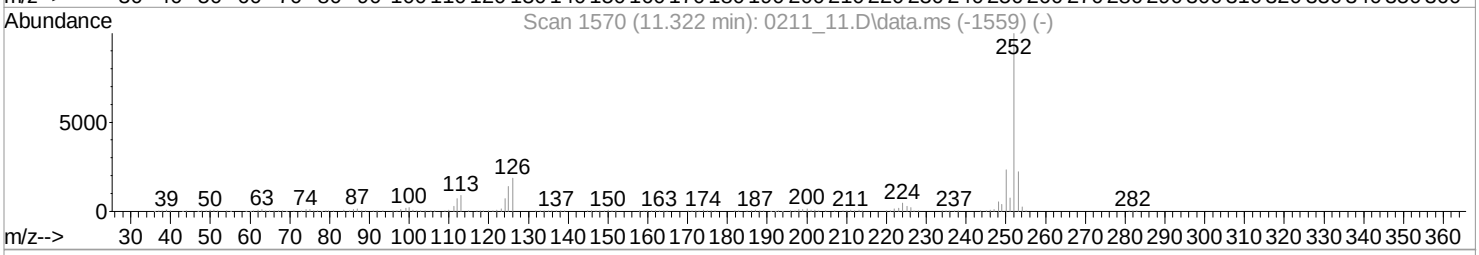
Ion	Exp%	Act%
252.10	100	100
253.10	22.10	23.05
125.90	18.50	22.39
113.00	8.80	10.54

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:37 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_14.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.339min (+0.018) 39778.2110074 ppb m

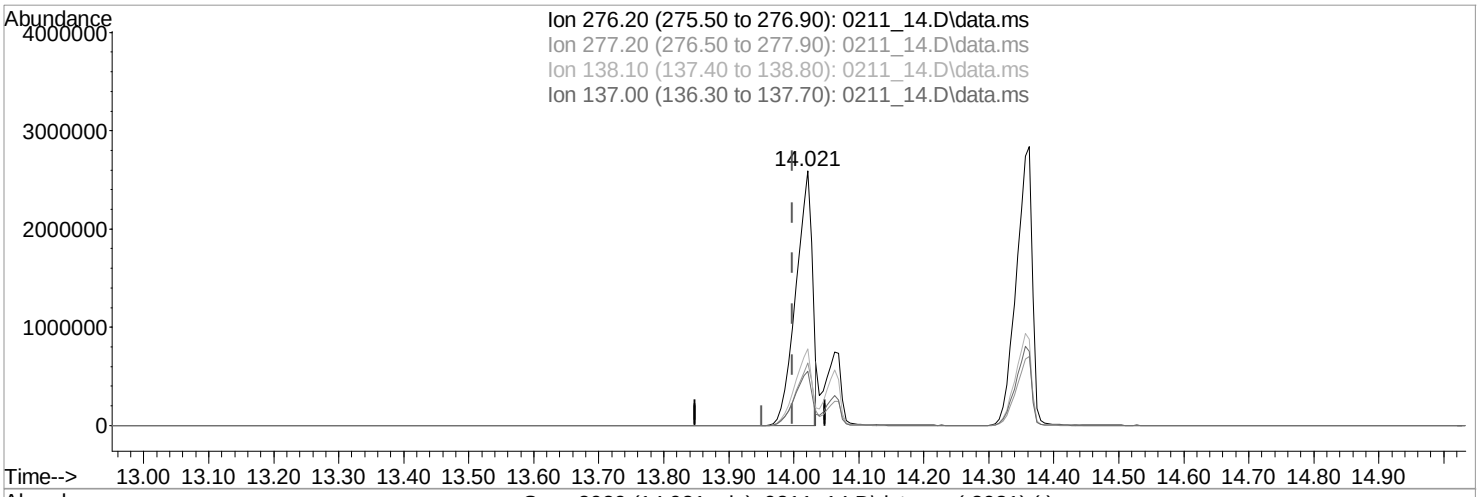
response 5590983

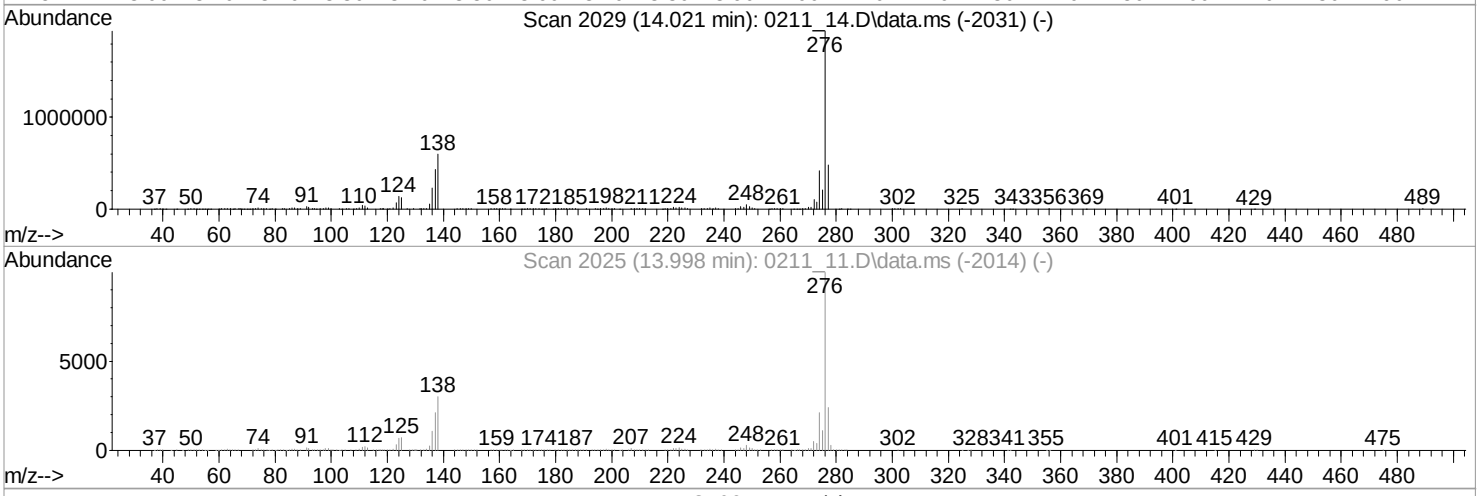
Ion	Exp%	Act%
252.10	100	100
253.10	22.10	22.60
125.90	18.50	20.74
113.00	8.80	9.79

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:37 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_14.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

14.021min (+0.024) 39991.1313803 ppb

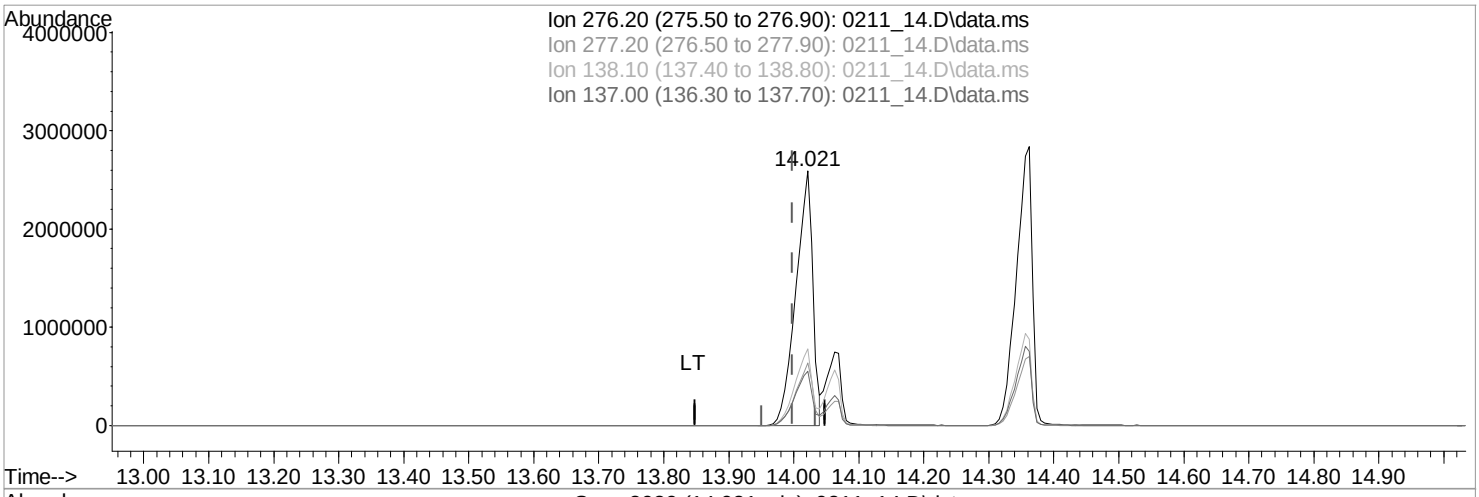
Qvalue = 100

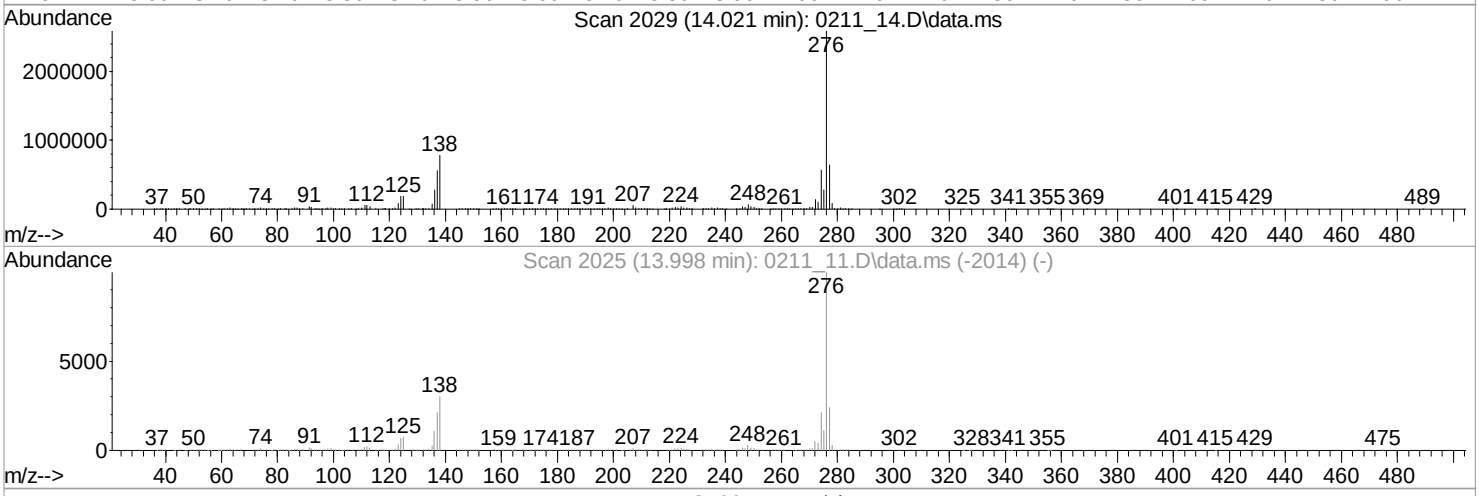
response 4540686

Ion	Exp%	Act%
276.20	100	100
277.20	24.10	24.67
138.10	30.00	30.08
137.00	21.20	21.23

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:37 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_14.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

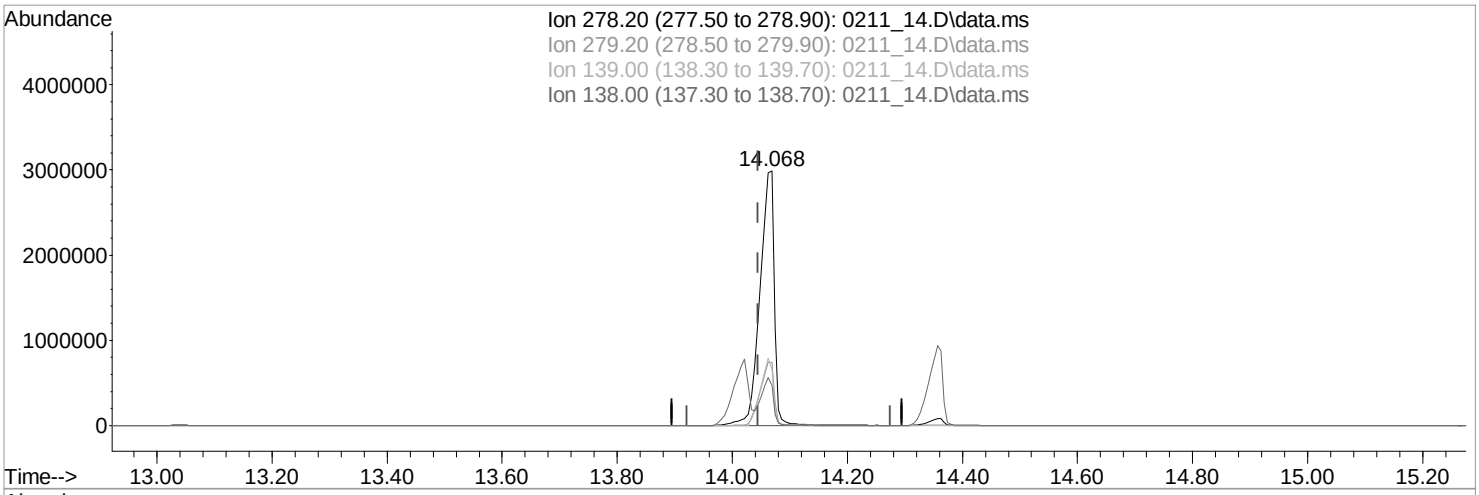
14.021min (+0.024) 40957.6432152 ppb m

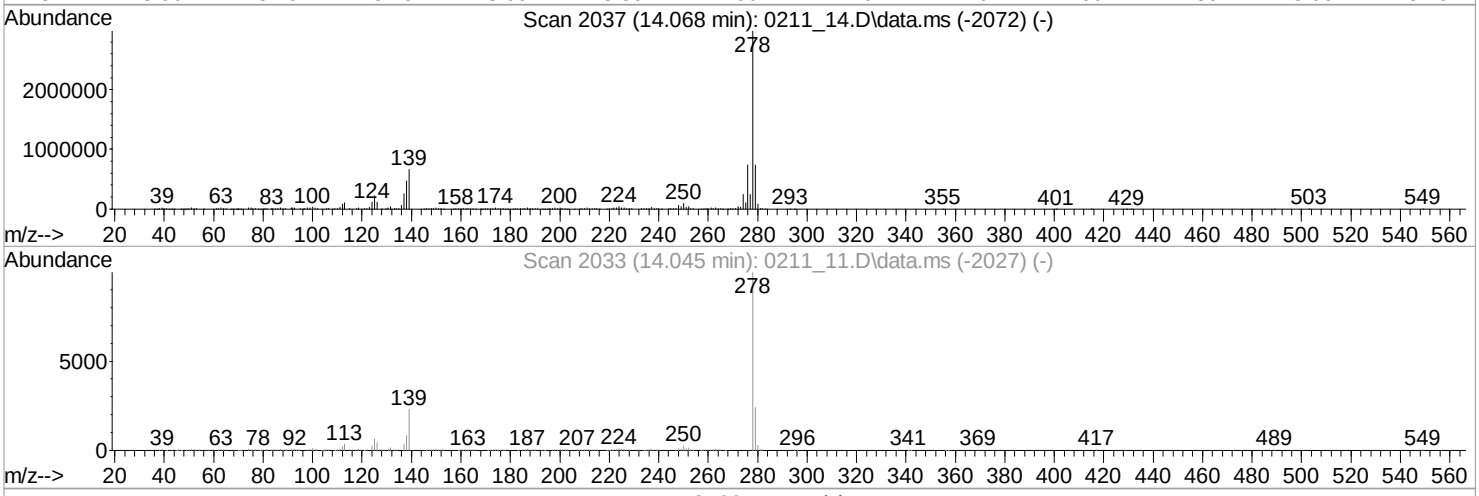
response 4650426

Ion	Exp%	Act%
276.20	100	100
277.20	24.10	24.67
138.10	30.00	30.09
137.00	21.20	21.25

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 14.D
Acq On : 11 Feb 2022 2:13 pm
Operator : 917
Sample : STD SVMS 40K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 11 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:24:37 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:24:34 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_14.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

14.068min (+0.024) 41051.0763692 ppb

Qvalue = 99

response 5167320

Ion	Exp%	Act%
278.20	100	100
279.20	23.90	24.72
139.00	22.50	22.08
138.00	15.80	15.71

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
Operator : 917
Sample : STD SVMS 50K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 12 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:27:50 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.452	152	355825	8000.0000000 ppb		0.00
23) Naphthalene-d8	4.204	136	1450960	8000.0000000 ppb		0.00
46) Acenaphthene-d10	5.381	164	785223	8000.0000000 ppb		0.00
70) Phenanthrene-d10	6.510	188	1346698	8000.0000000 ppb		0.00
84) Chrysene-d12	9.375	240	1106551	8000.0000000 ppb		0.01
94) Perylene-d12	12.110	264	990981	8000.0000000 ppb		0.01
System Monitoring Compounds						
4) 2-Fluorophenol	2.763	112	2496527	49130.8047968 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 1228.27%#			
7) Phenol-d5	3.222	99	3239915	50176.4174672 ppb		0.01
Spiked Amount 4000.000	Range 10 - 120		Recovery = 1254.41%#			
24) Nitrobenzene-d5	3.769	82	2914279m	47184.9163167 ppb		0.01
Spiked Amount 2000.000	Range 10 - 126		Recovery = 2359.25%#			
50) 2-Fluorobiphenyl	4.893	172	5227791	45128.2650502 ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 2256.41%#			
73) 2,4,6-Tribromophenol	5.969	330	817632	62737.0304857 ppb		0.01
Spiked Amount 4000.000	Range 10 - 153		Recovery = 1568.43%#			
87) p-Terphenyl-d14	7.945	244	6298831	47974.5841581 ppb		0.01
Spiked Amount 2000.000	Range 29 - 141		Recovery = 2398.73%#			
Target Compounds						Qvalue
2) Pyridine	2.199	79	2641233	47102.6340291 ppb		96
3) N-Nitrosodimethylamine	2.169	42	1543959	48668.9819367 ppb		98
5) Aniline	3.269	66	1557463	49944.6261197 ppb	#	1
6) bis(2-Chloroethyl)ether	3.293	93	2518821m	48731.2033998 ppb		
8) Phenol	3.234	94	3334344	49309.0796437 ppb		98
10) 2-Chlorophenol	3.340	128	2892667	50366.8088581 ppb		98
11) n-Decane	3.346	41	1557146	43467.8820963 ppb		96
12) 1,3-Dichlorobenzene	3.428	146	2993091	48169.5568401 ppb		97
13) 1,4-Dichlorobenzene	3.463	146	3019141	47312.6039122 ppb		93
14) Benzyl Alcohol	3.516	79	2291288	51090.0948369 ppb		99
15) 1,2-Dichlorobenzene	3.552	146	2934246	48906.4395049 ppb		95
16) bis(2-Chloroisopropyl)...	3.587	121	1011565	50121.2629420 ppb		99
17) 2,2-oxybis(1-chloropro...	3.587	121	1011565	50121.2629420 ppb		99
18) 2-Methylphenol	3.569	108	2573383	50745.0037657 ppb		97
19) Hexachloroethane	3.746	117	1281092	51110.1789554 ppb		97
20) N-Nitrosodi-n-propylamine	3.681	70	2048872	51591.9621108 ppb		88
21) 3&4-Methyl phenol	3.657	107	2946527	50727.2901723 ppb		99
25) Nitrobenzene	3.781	77	2778444	48285.0698041 ppb		94
26) Isophorone	3.922	82	5214023	49204.7708788 ppb		99
27) 2-Nitrophenol	3.963	139	1629239	57884.7880212 ppb		85
28) 2,4-Dimethylphenol	3.969	107	2836441	50229.9805076 ppb		98
29) bis(2-Chlorethoxy)methane	4.028	93	3117826	47482.6560143 ppb		97
30) 2,4-Dichlorophenol	4.110	162	2342713	52290.6850164 ppb		89
32) 1,2,4-Trichlorobenzene	4.163	180	2380814	48991.2225059 ppb		99
34) Naphthalene	4.216	128	6684743m	38305.1788747 ppb		
35) 4-Chloroaniline	4.234	65	1042259	49073.5620206 ppb		96
36) Hexachloro-1,3-butadiene	4.287	225	1331871	52173.0545450 ppb		94
40) 4-Chloro-3-methylphenol	4.528	107	2477579	51687.0449071 ppb		98
41) 2-Methylnaphthalene	4.657	142	4967145	43781.4438795 ppb		96
42) 1-Methylnaphthalene	4.722	142	4866385	44565.0189137 ppb		97

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
Operator : 917
Sample : STD SVMS 50K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 12 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:27:50 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

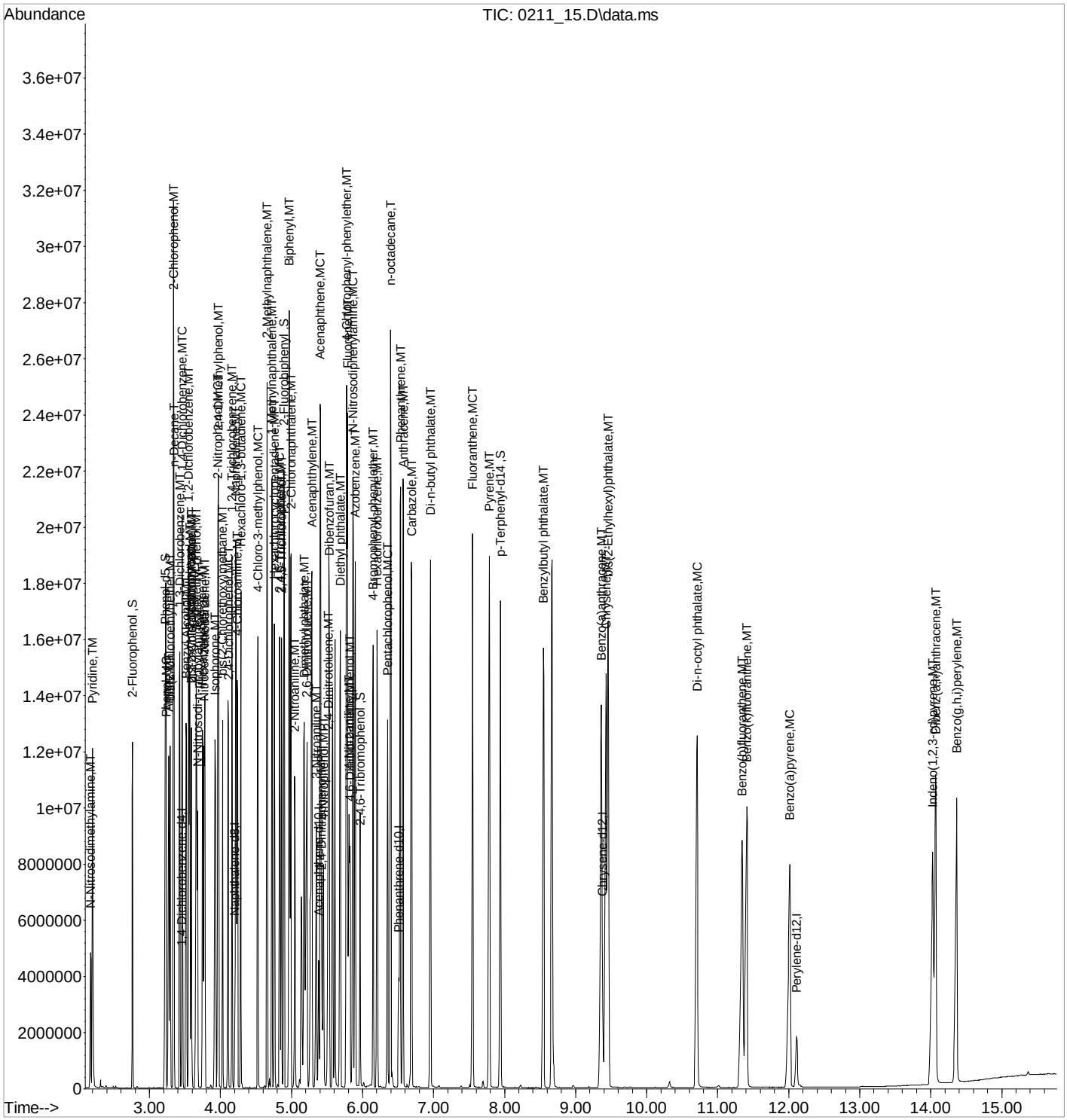
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.757	237	1792180	56573.4004469 ppb		98
48)	2,4,6-Trichlorophenol	4.834	196	1695071	56420.7002701 ppb		94
49)	2,4,5-Trichlorophenol	4.857	196	1832151	55907.1675302 ppb		97
51)	Biphenyl	4.969	154	5697857	42323.4034129 ppb	#	88
52)	2-Chloronaphthalene	4.993	162	4888715	45334.6925564 ppb		92
53)	2-Nitroaniline	5.046	138	2010095	59804.0620575 ppb		98
54)	Acenaphthylene	5.287	152	6780159	41916.6085926 ppb		87
55)	Dimethyl phthalate	5.181	163	5511999	46692.2071971 ppb		95
56)	2,6-Dinitrotoluene	5.216	165	1490124	56124.7874327 ppb		98
57)	3-Nitroaniline	5.351	138	1722482	56345.3732489 ppb		93
58)	Acenaphthene	5.404	153	5010468	43739.1892122 ppb		95
59)	2,4-Dinitrophenol	5.422	184	881557	71190.9481722 ppb	#	1
60)	Dibenzofuran	5.534	168	6242611	42945.8518346 ppb	#	91
61)	2,4-Dinitrotoluene	5.516	165	1947439	57892.8209380 ppb		92
63)	4-Nitrophenol	5.451	139	1425088	57964.3625966 ppb		99
64)	Fluorene	5.787	166	5666900	44134.7424276 ppb		95
65)	4-Chlorophenyl-phenyle...	5.775	204	2746008	50049.2468868 ppb		96
66)	Diethyl phthalate	5.687	149	5585099	46010.5419319 ppb		91
67)	4-Nitroaniline	5.810	138	1845727	56702.9388699 ppb		98
68)	Azobenzene	5.898	77	5546045	44312.3504113 ppb		92
71)	4,6-Dinitro-2-methylph...	5.822	198	1054220	70818.4972389 ppb		89
72)	N-Nitrosodiphenylamine	5.863	169	4985090	48679.0969957 ppb		94
74)	4-Bromophenyl-phenylether	6.151	248	1560770	54341.8365943 ppb		98
75)	Hexachlorobenzene	6.204	284	1740285	53094.0904980 ppb		99
76)	n-octadecane	6.393	55	996174	47748.2260779 ppb		98
77)	Pentachlorophenol	6.351	266	1102198	65038.2952729 ppb		94
78)	Phenanthrene	6.534	178	7231642	39345.1798497 ppb		90
79)	Anthracene	6.575	178	7305209	40900.4271395 ppb		86
80)	Carbazole	6.692	167	7111435	43612.8131189 ppb		92
81)	Di-n-butyl phthalate	6.957	149	7786241	41188.9652376 ppb		85
83)	Fluoranthene	7.551	202	7712433	43078.0257151 ppb		89
86)	Pyrene	7.787	202	7910417	43621.5964997 ppb		88
88)	Benzylbutyl phthalate	8.545	149	4487990	57851.2991976 ppb		98
90)	Benzo(a)anthracene	9.363	228	7631435	44606.4660061 ppb		96
91)	Chrysene	9.428	228	7334834	41205.8459187 ppb		94
92)	bis(2-Ethylhexyl)phtha...	9.457	149	6353996	58189.4537516 ppb		96
93)	Di-n-octyl phthalate	10.710	149	9821609	58652.9491246 ppb		95
95)	Benzo(b)fluoranthene	11.345	252	7079916m	49922.3031621 ppb		
96)	Benzo(k)fluoranthene	11.410	252	7007472	48844.1157276 ppb		97
97)	Benzo(a)pyrene	12.016	252	6140586	52778.8373221 ppb		98
98)	Indeno(1,2,3-cd)pyrene	14.027	276	6009180m	52281.1921405 ppb		
99)	Dibenz(a,h)anthracene	14.074	278	6424591	50549.4712691 ppb		97
100)	Benzo(g,h,i)perylene	14.368	276	6174835	47400.7871680 ppb		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
Operator : 917
Sample : STD SVMS 50K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 12 Sample Multiplier: 1
InstName : BNAMS20

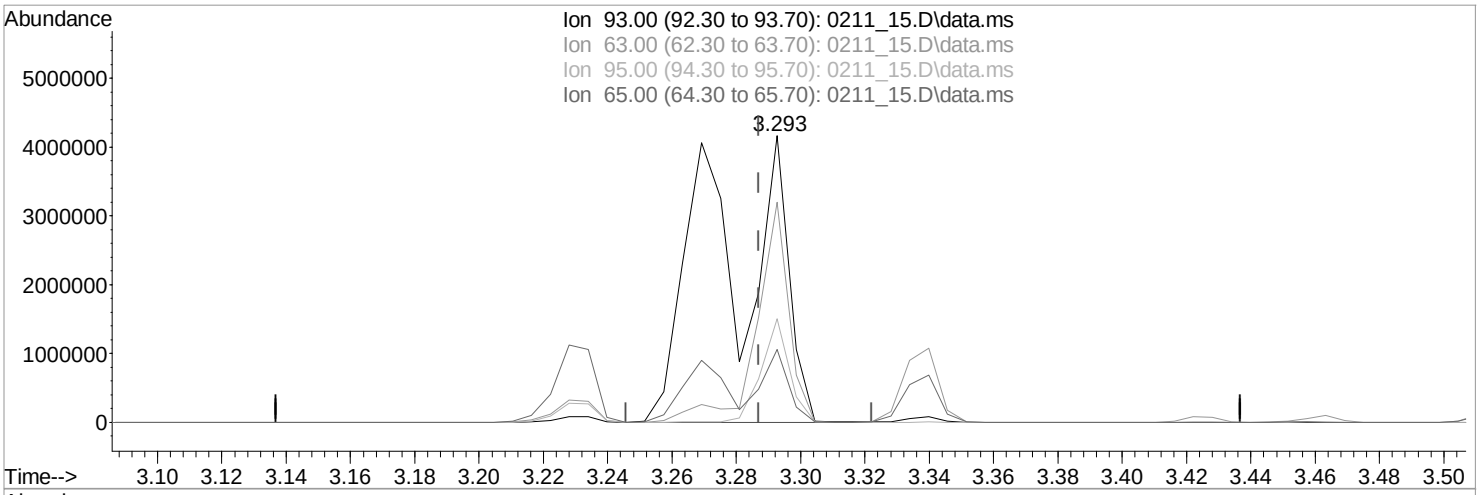
Quant Time: Feb 11 15:27:50 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

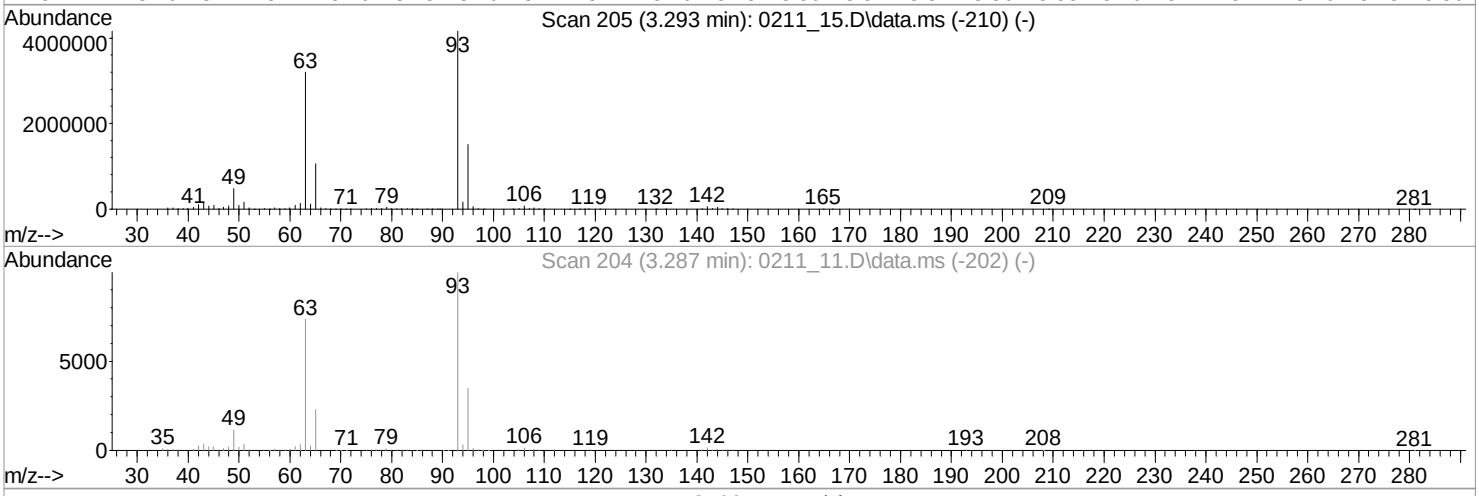


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
Operator : 917
Sample : STD SVMS 50K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 12 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:26:28 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_15.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.293min (+0.006) 123586.7031223 ppb

Qvalue = 95

response 6387956

Ion	Exp%	Act%
93.00	100	100
63.00	72.00	76.82
95.00	33.70	36.00
65.00	22.90	25.31

Data Path : C:\msdchem\1\data\021122\
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Acq On : 11 Feb 2022 2:35 pm
Operator : 917
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Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
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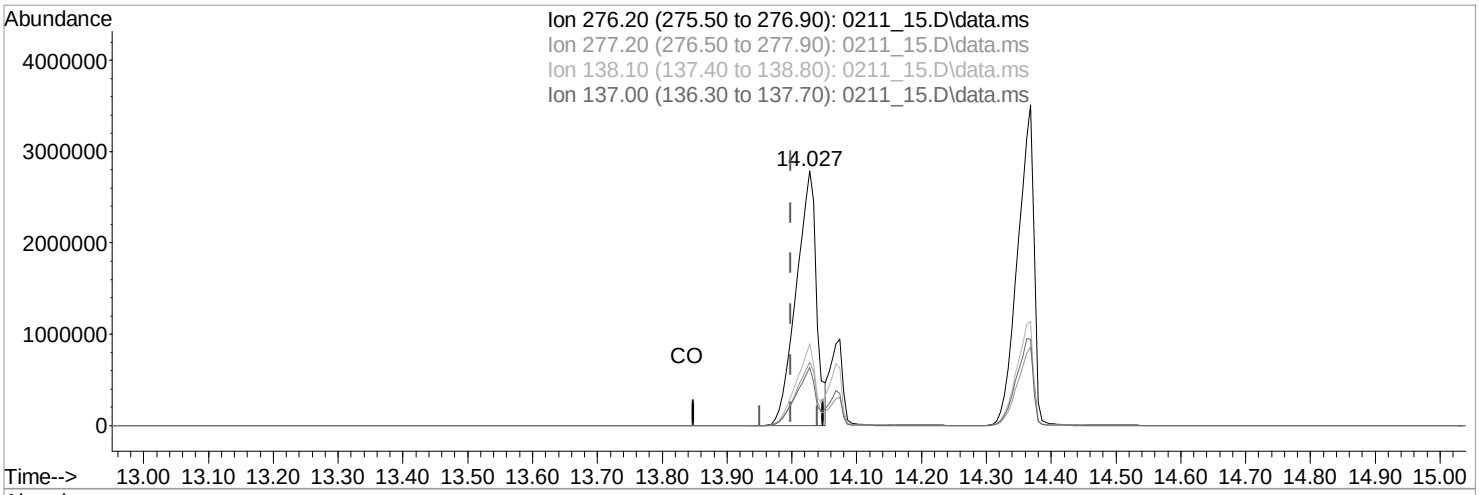
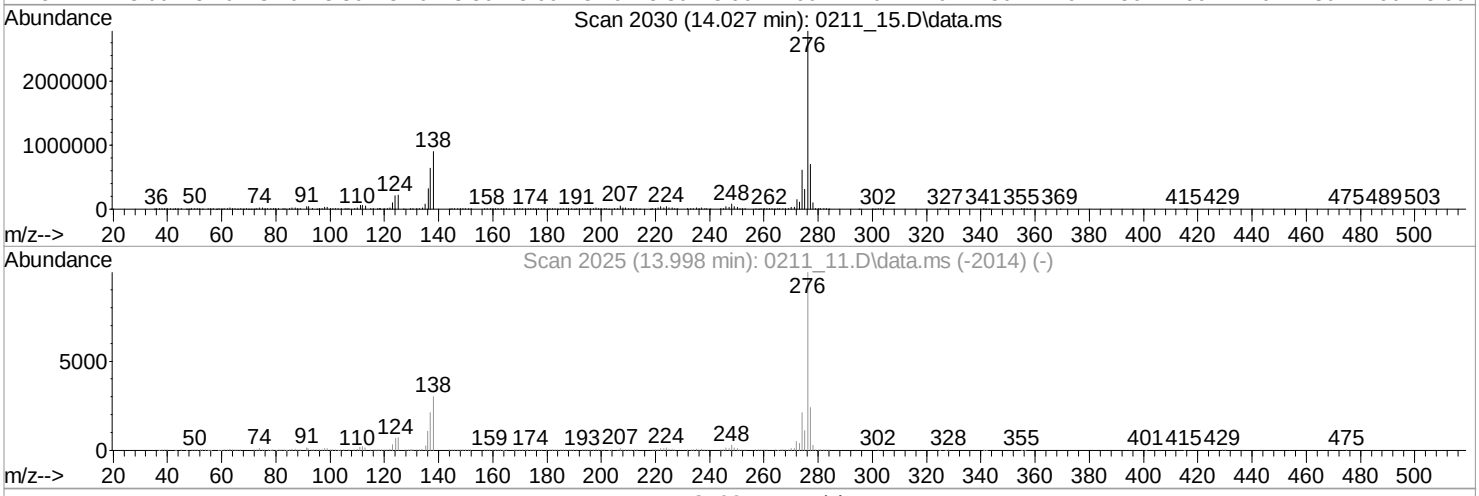
InstName : BNAMS20

Quant Time: Feb 11 15:26:28 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_15.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

14.027min (+0.029) 52281.1921405 ppb m

response 6009180

Ion	Exp%	Act%
276.20	100	100
277.20	24.10	24.89
138.10	30.00	32.06
137.00	21.20	22.89

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
Operator : 917
Sample : STD SVMS 50K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 12 Sample Multiplier: 1
InstName : BNAMS20

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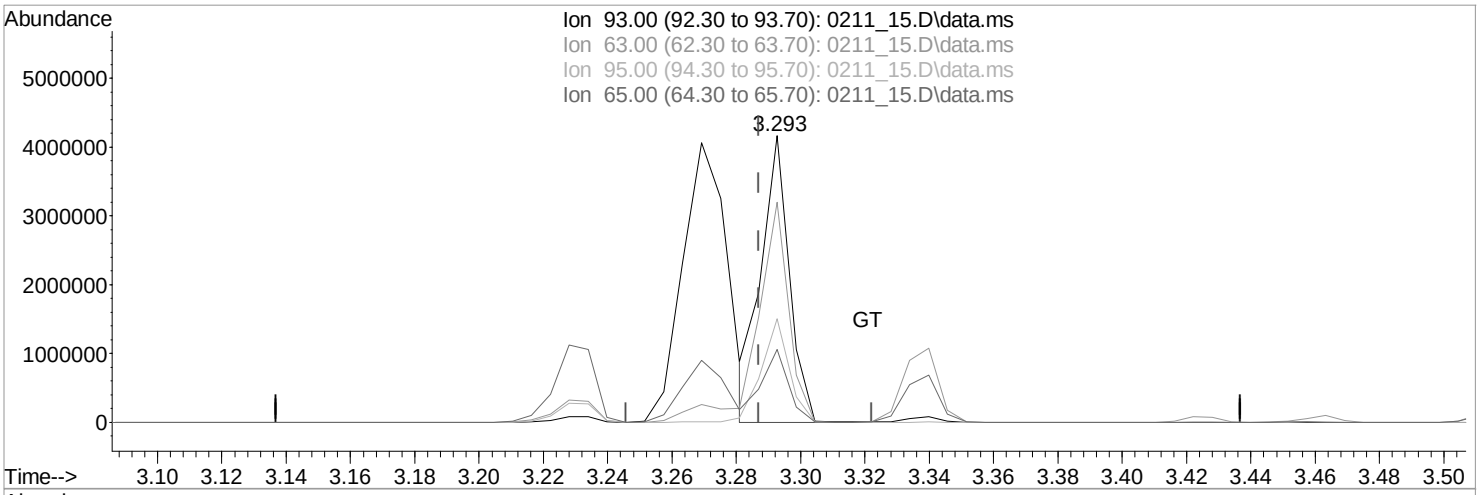
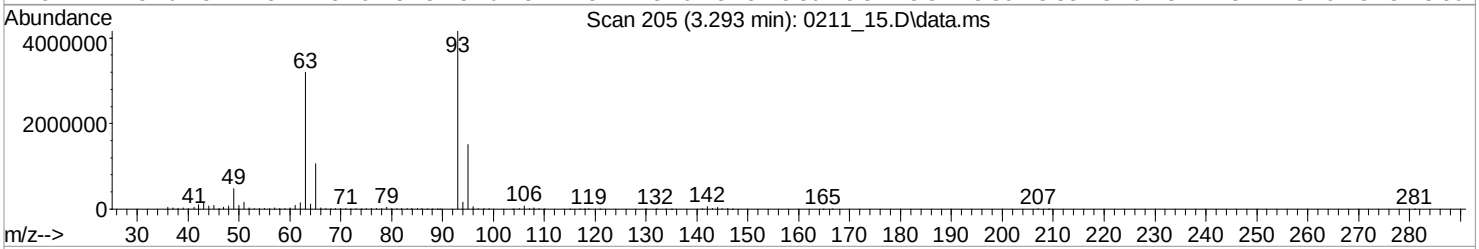
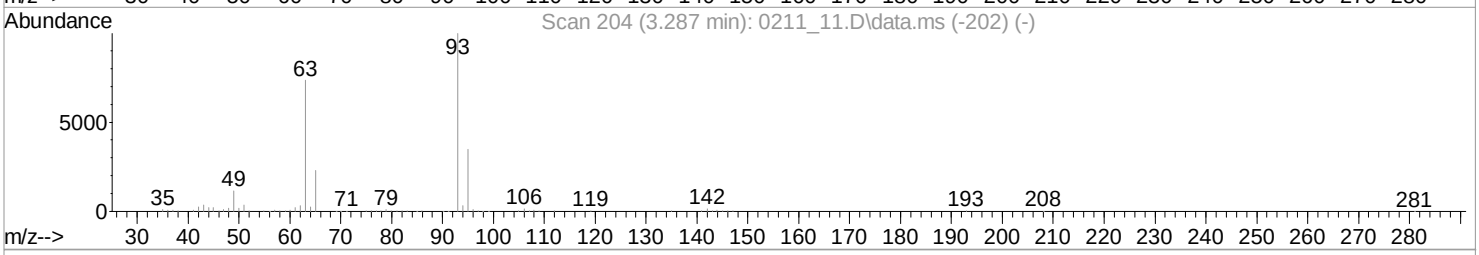
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_15.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.293min (+0.006) 48731.2033998 ppb m

response 2518821

Ion	Exp%	Act%
93.00	100	100
63.00	72.00	76.83
95.00	33.70	36.01
65.00	22.90	25.35

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
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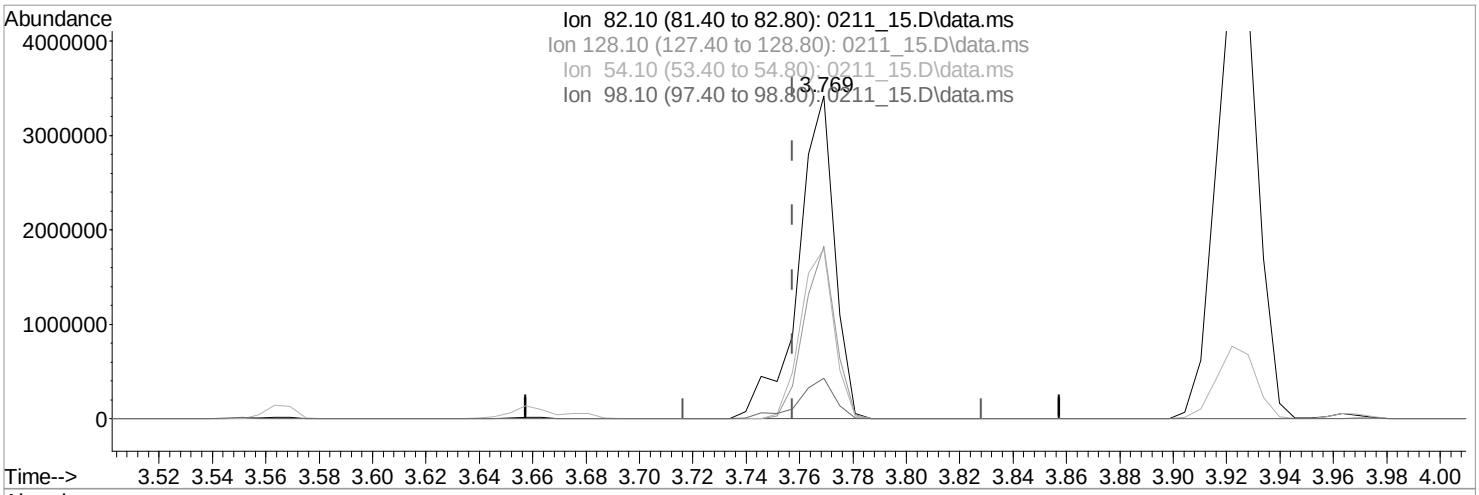
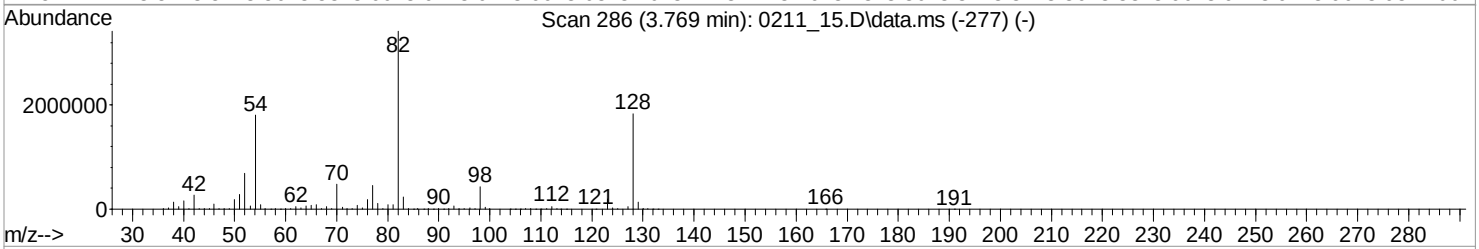
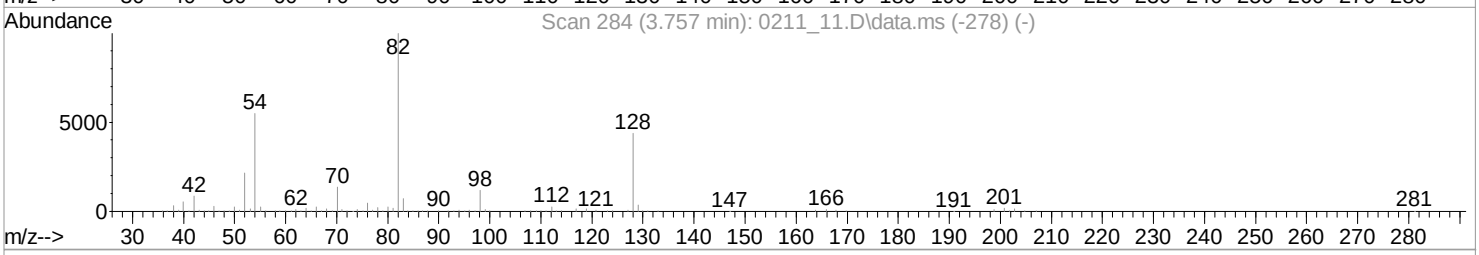
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 12 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:26:28 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_15.D\data.ms

(24) Nitrobenzene-d5 (S)

3.769min (+0.012) 52483.0290271 ppb

Qvalue = 92

response 3241506

Ion	Exp%	Act%
82.10	100	100
128.10	43.50	53.36
54.10	54.80	52.59
98.10	11.60	12.41

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
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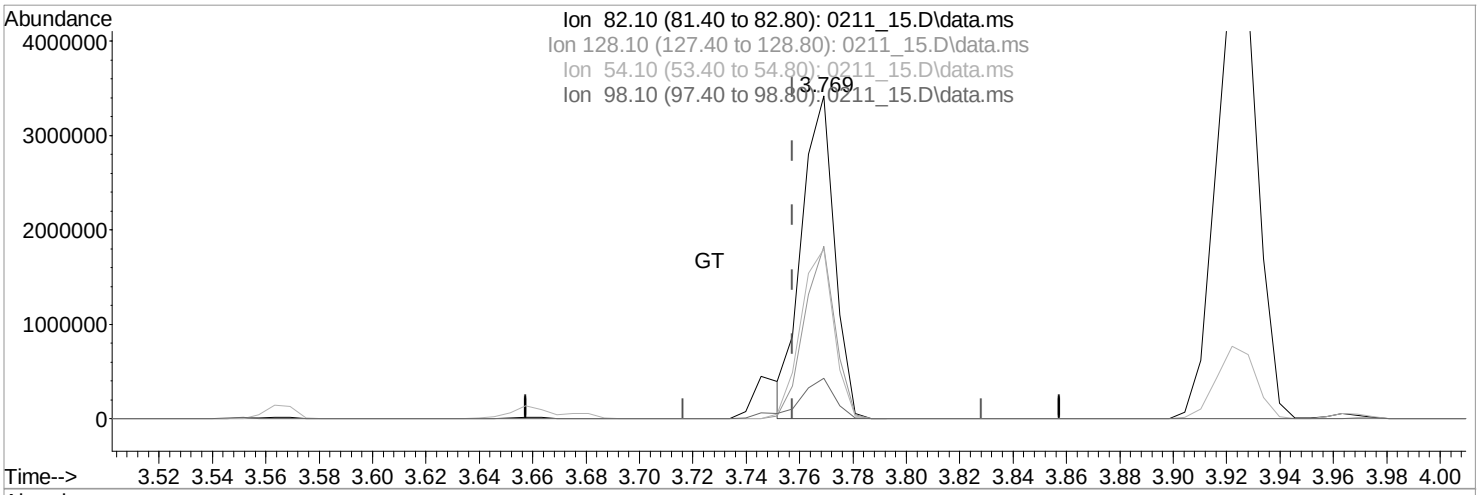
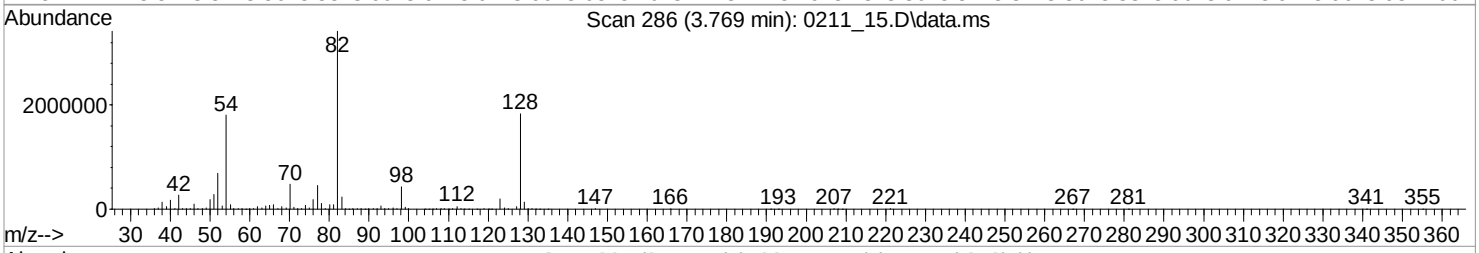
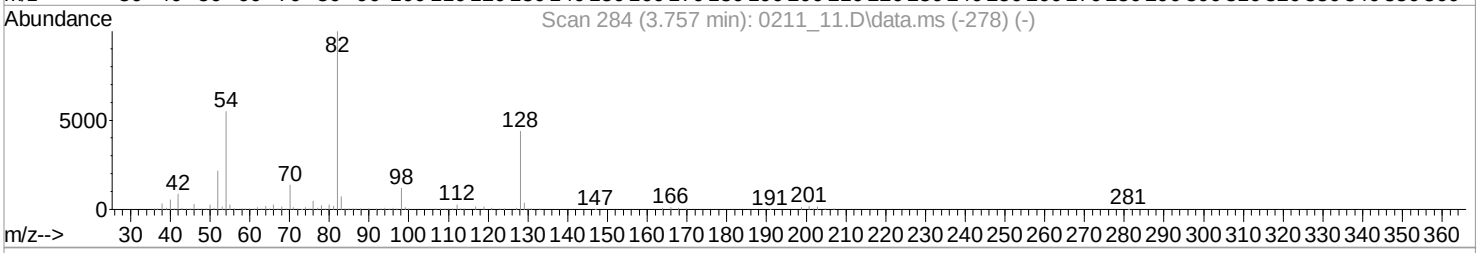
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_15.D\data.ms

(24) Nitrobenzene-d5 (S)

3.769min (+0.012) 47184.9163167 ppb m

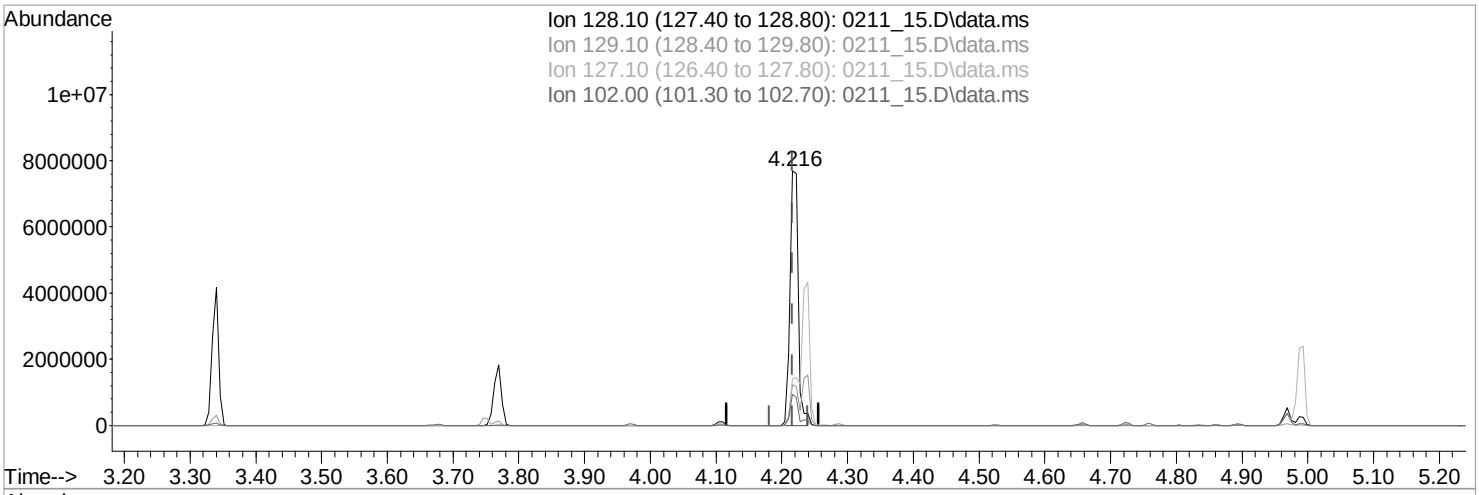
response 2914279

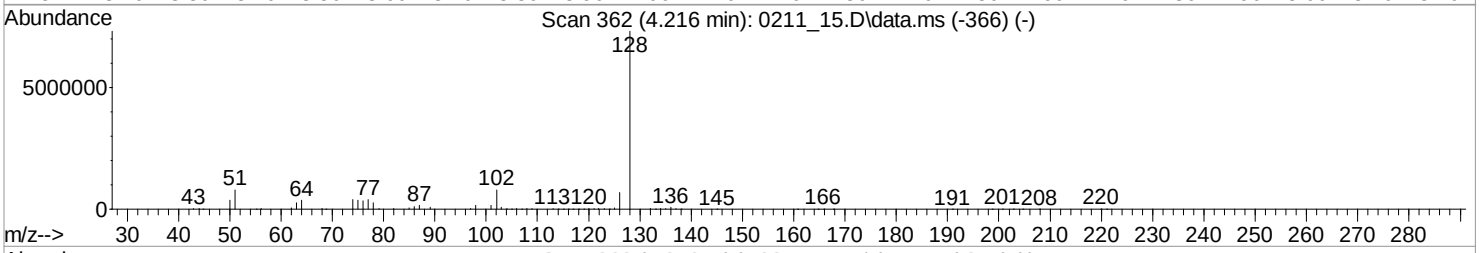
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	53.36
54.10	54.80	52.60
98.10	11.60	12.42

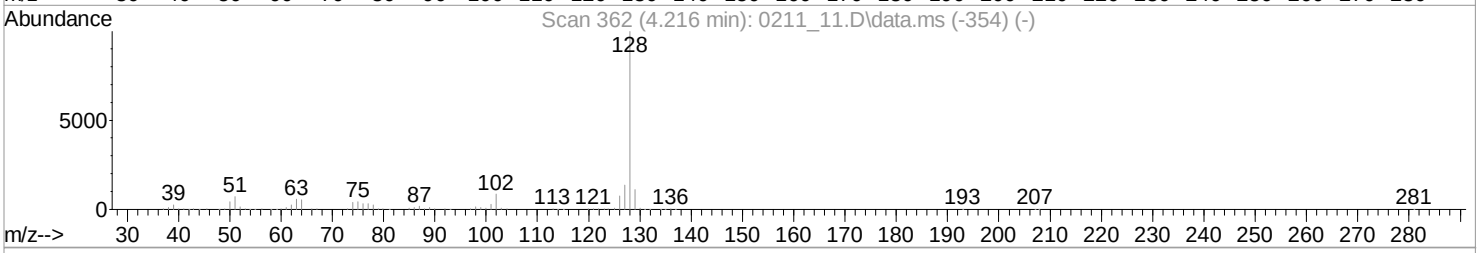
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
Operator : 917
Sample : STD SVMS 50K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 12 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:26:28 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_15.D\data.ms

(34) Naphthalene (MT)

4.216min (0.000) 39032.7015514 ppb

Qvalue = 88

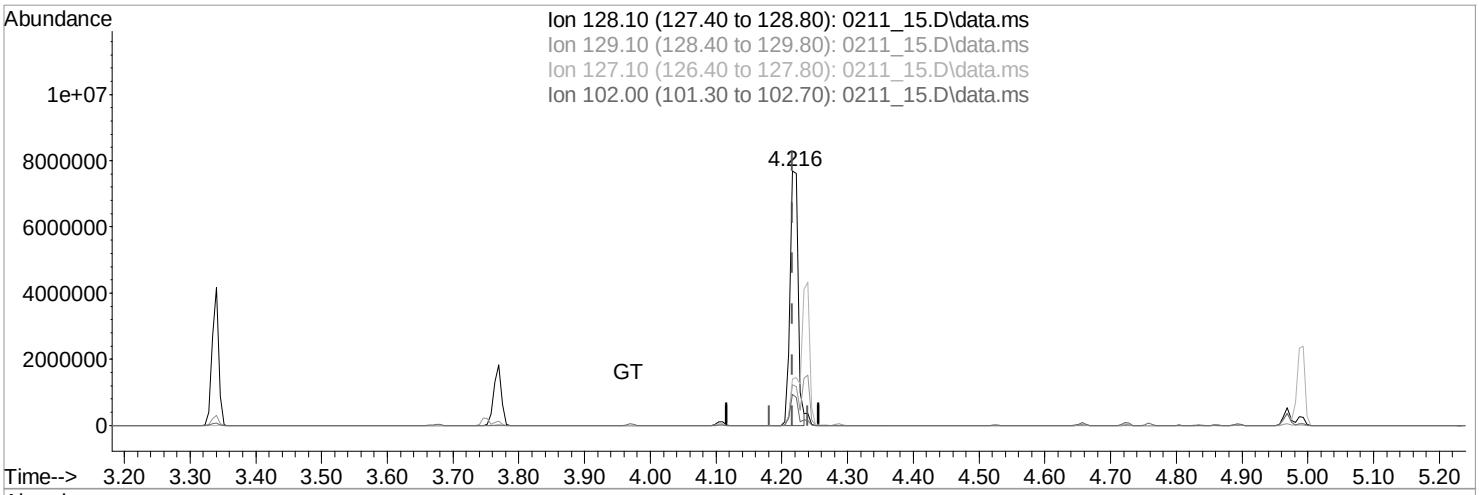
response 6811705

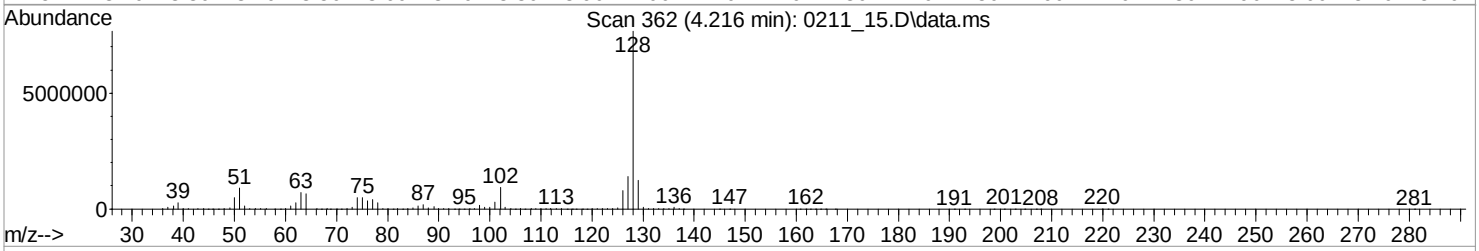
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	15.92
127.10	13.40	18.33
102.00	8.60	12.20

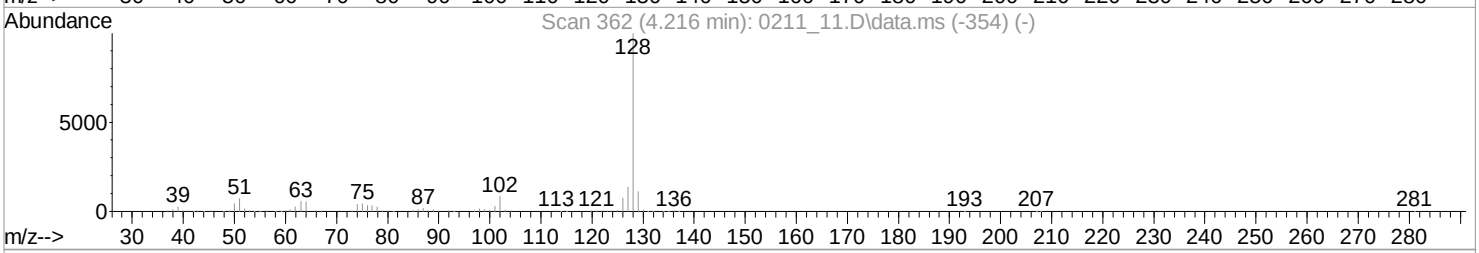
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
Operator : 917
Sample : STD SVMS 50K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 12 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:26:28 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_15.D\data.ms

(34) Naphthalene (MT)

4.216min (0.000) 38305.1788747 ppb m

response 6684743

Ion	Exp%	Act%
128.10	100	100
129.10	11.10	15.92
127.10	13.40	18.33
102.00	8.60	12.20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
Operator : 917
Sample : STD SVMS 50K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 12 Sample Multiplier: 1
InstName : BNAMS20

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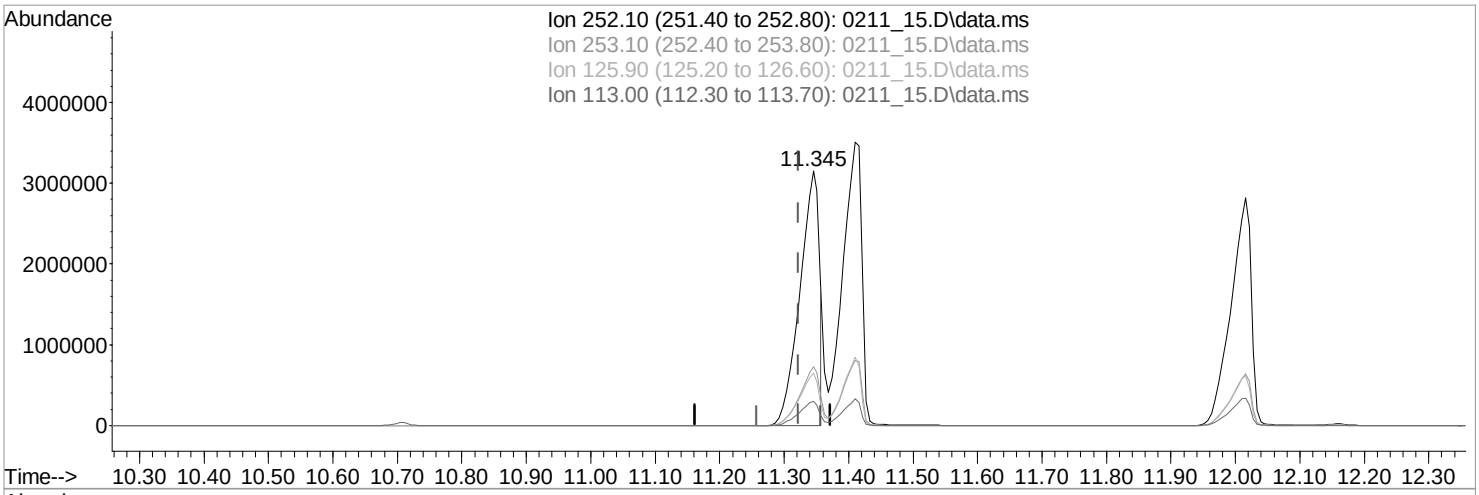
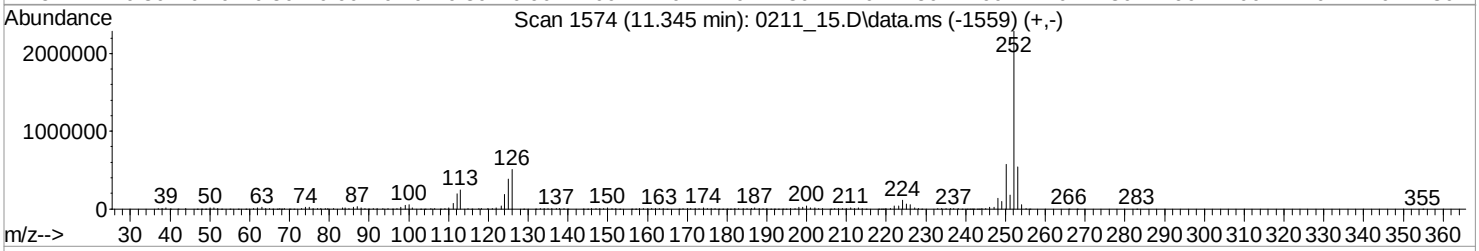
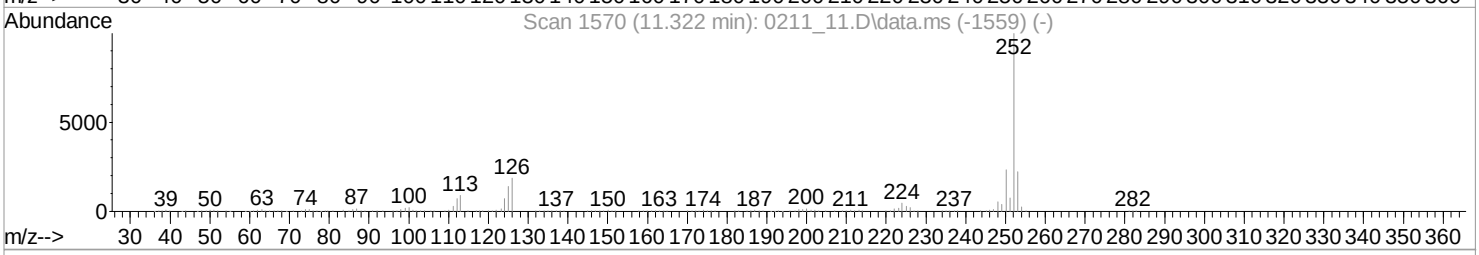
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_15.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.345min (+0.024) 47256.9564396 ppb

Qvalue = 95

response 6701920

Ion	Exp%	Act%
252.10	100	100
253.10	22.10	23.74
125.90	18.50	22.16
113.00	8.80	10.49

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
Operator : 917
Sample : STD SVMS 50K ppb 22B08397 exp 07/15/22
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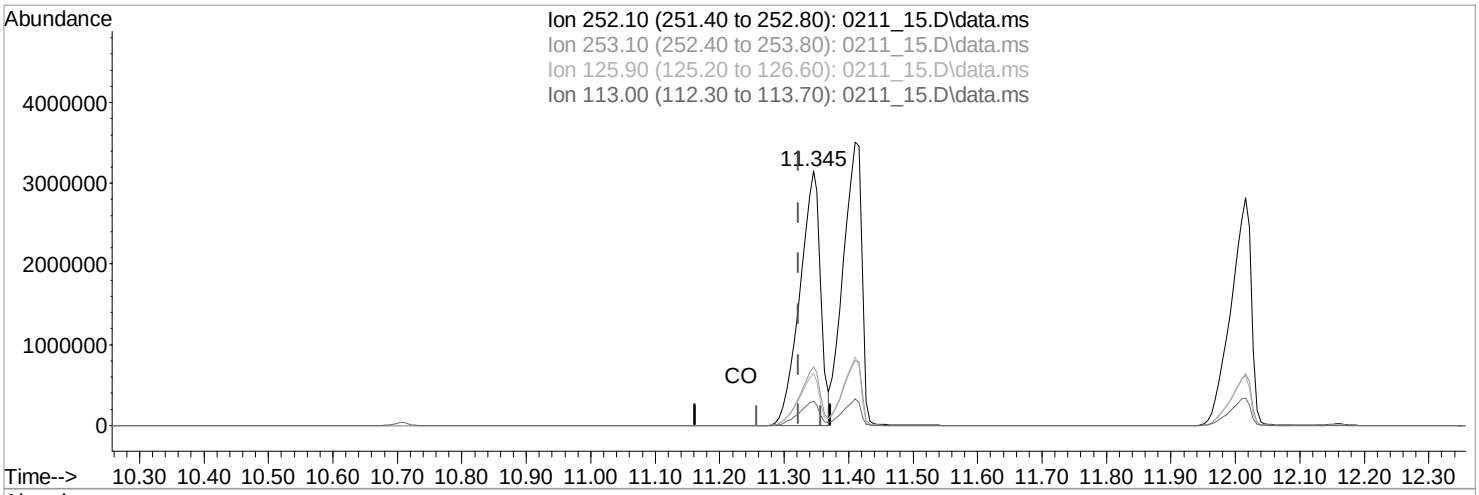
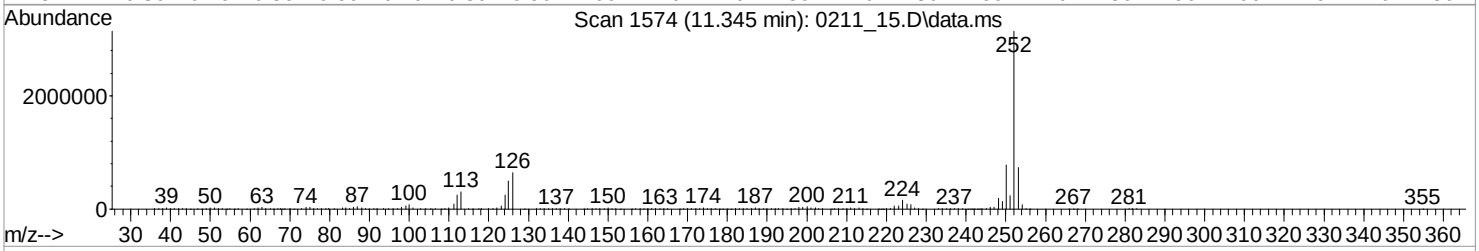
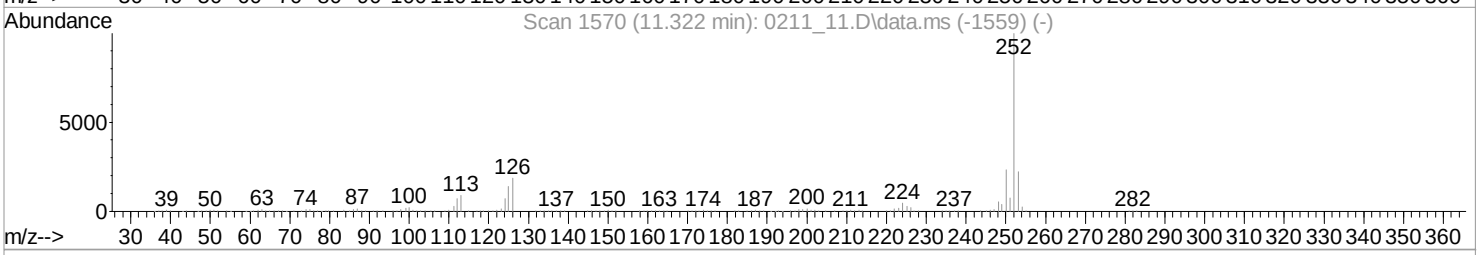
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_15.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.345min (+0.024) 49922.3031621 ppb m

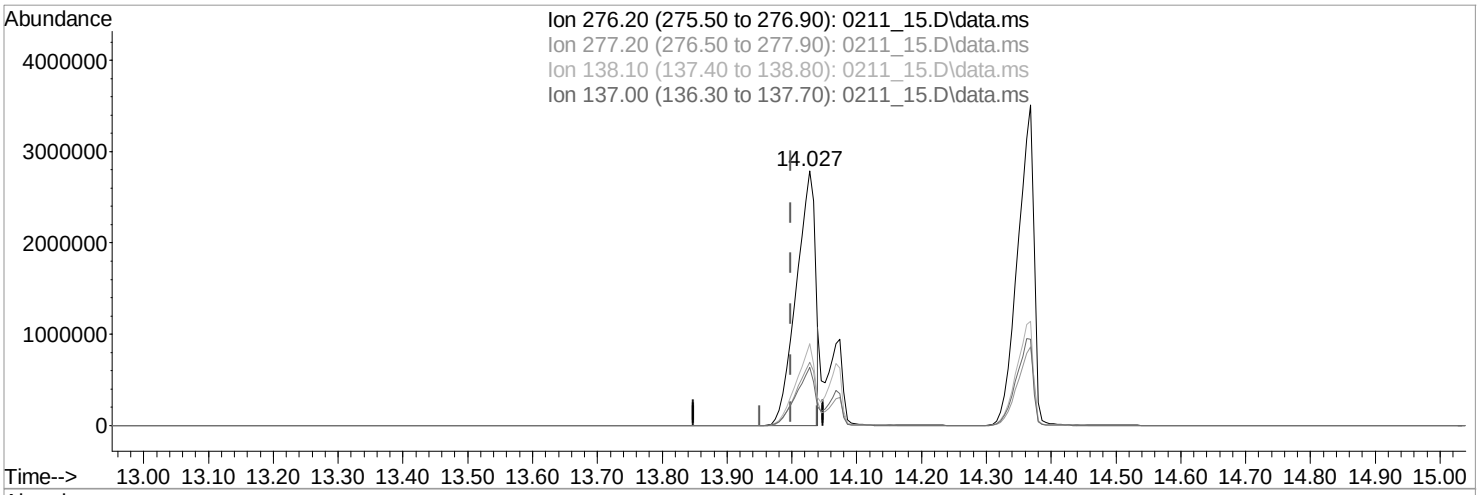
response 7079916

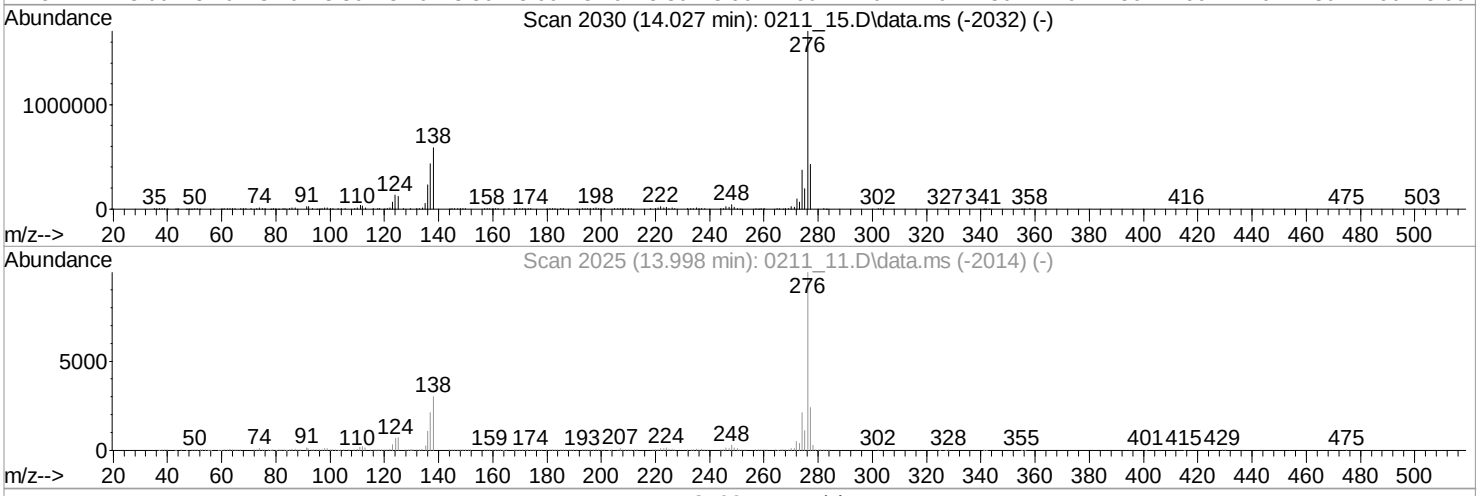
Ion	Exp%	Act%
252.10	100	100
253.10	22.10	23.15
125.90	18.50	20.47
113.00	8.80	9.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 15.D
Acq On : 11 Feb 2022 2:35 pm
Operator : 917
Sample : STD SVMS 50K ppb 22B08397 exp 07/15/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 12 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 15:26:28 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 15:26:26 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_15.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

14.027min (+0.029) 49336.2022392 ppb

Qvalue = 97

response 5670684

Ion	Exp%	Act%
276.20	100	100
277.20	24.10	24.89
138.10	30.00	32.06
137.00	21.20	22.87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 16.D
Acq On : 11 Feb 2022 2:57 pm
Operator : 917
Sample : STD TCL 1K1 ppb 22B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 13 Sample Multiplier: 1
InstName : BNAMS20

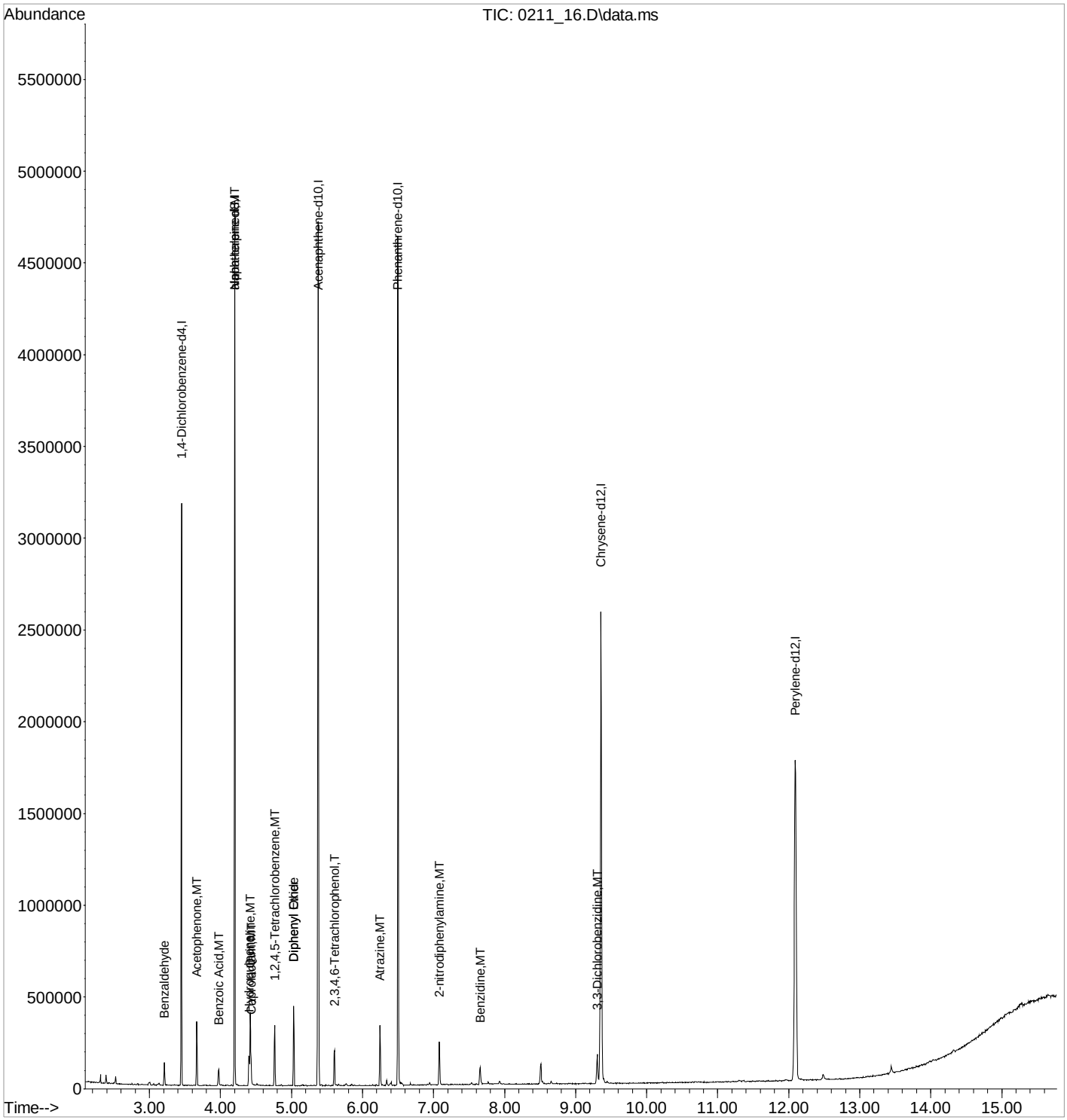
Quant Time: Feb 11 17:17:50 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:17:16 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.451	152	327045	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.198	136	1325256	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	725237	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1316680	8000.0000000	ppb		0.00
84) Chrysene-d12	9.357	240	1083598	8000.0000000	ppb		0.00
94) Perylene-d12	12.092	264	1019864	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.210	105	15035	1139.8661704	ppb		93
22) Acetophenone	3.663	105	66101	1055.0173026	ppb		97
31) Benzoic Acid	3.975	105	21468	827.2261275	ppb	#	45
33) alpha-terpineol	4.198	59	41782	1196.8611859	ppb		97
37) Hydroquinone	4.404	110	46804	1040.3172445	ppb		92
38) Quinoline	4.416	129	103138	1192.4611387	ppb		98
39) Caprolactam	4.434	113	14569	1019.0171351	ppb	#	83
43) 1,2,4,5-Tetrachloroben...	4.763	216	41230	1263.9376682	ppb		97
44) Diphenyl Ether	5.028	170	64344	1229.8541763	ppb		99
45) Diphenyl Oxide	5.028	170	64344	1229.8541763	ppb		99
62) 2,3,4,6-Tetrachlorophenol	5.604	232	19011	970.0057802	ppb		94
69) Atrazine	6.245	200	25133	940.4963619	ppb	#	84
82) 2-nitrodiphenylamine	7.081	167	24503	767.8302298	ppb		89
85) Benzidine	7.657	184	41066	611.2007614	ppb	#	100
89) 3,3-Dichlorobenzidine	9.304	252	42596	918.2351517	ppb		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 16.D
Acq On : 11 Feb 2022 2:57 pm
Operator : 917
Sample : STD TCL 1K1 ppb 22B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 13 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:17:50 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:17:16 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 17.D
Acq On : 11 Feb 2022 3:19 pm
Operator : 917
Sample : STD TCL 2K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 14 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:18:40 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:18:11 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

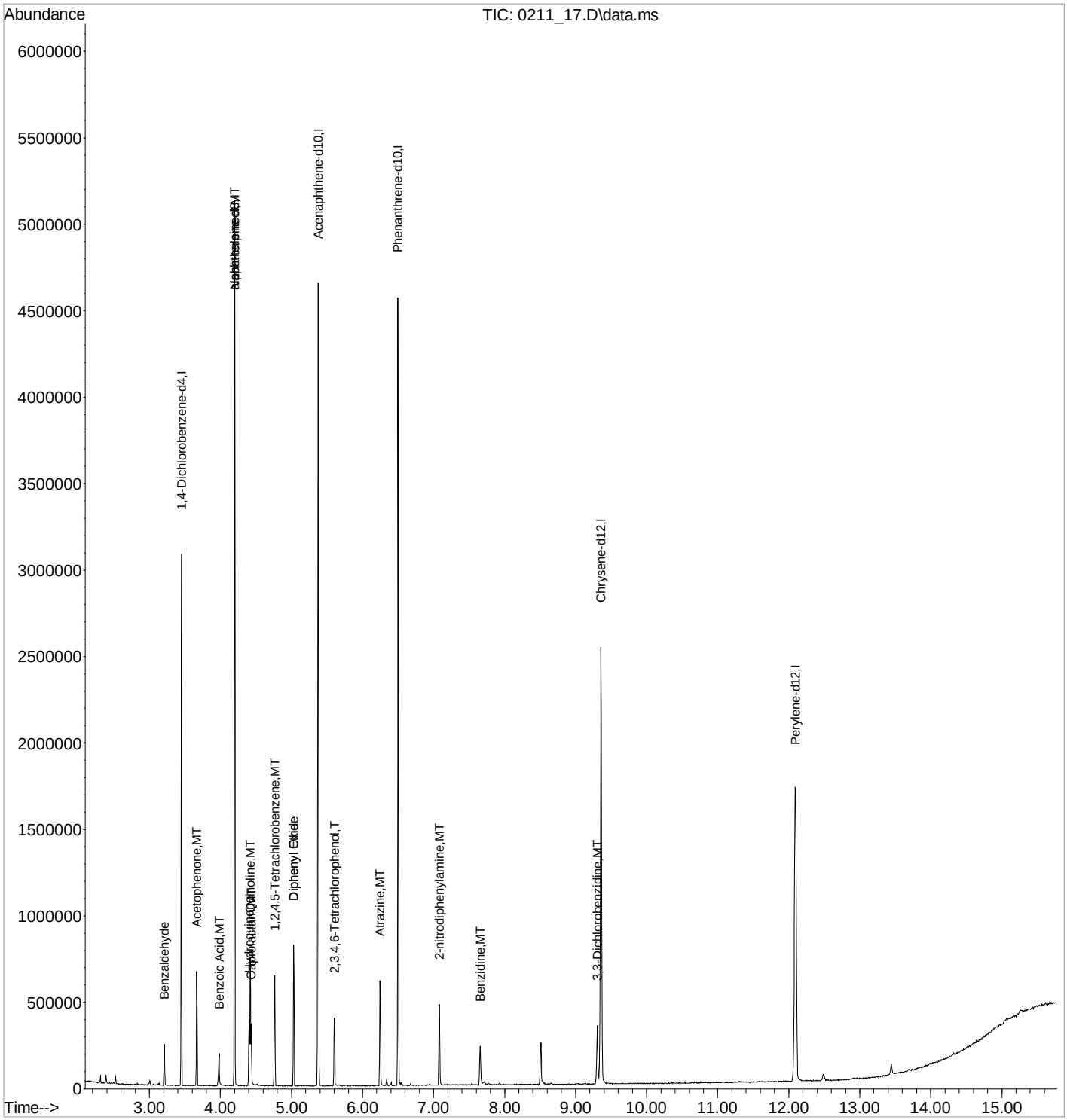
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.452	152	324233	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.199	136	1341799	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	709051	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1305263	8000.0000000	ppb		0.00
84) Chrysene-d12	9.357	240	1082719	8000.0000000	ppb		0.00
94) Perylene-d12	12.098	264	1020410	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.210	105	27477	1963.8731287	ppb		97
22) Acetophenone	3.663	105	127886	2003.7307741	ppb		99
31) Benzoic Acid	3.981	105	49203	2049.6242653	ppb	#	51
33) alpha-terpineol	4.199	59	78225	2014.8365719	ppb		97
37) Hydroquinone	4.404	110	96550	2077.6850541	ppb		95
38) Quinoline	4.416	129	200103	2084.4406573	ppb		98
39) Caprolactam	4.434	113	30867	2112.2653346	ppb		98
43) 1,2,4,5-Tetrachloroben...	4.763	216	77874	2082.9682513	ppb		99
44) Diphenyl Ether	5.028	170	124613	2109.9626336	ppb		99
45) Diphenyl Oxide	5.028	170	124613	2109.9626336	ppb		99
62) 2,3,4,6-Tetrachlorophenol	5.604	232	38013	2014.0325266	ppb		98
69) Atrazine	6.245	200	49142	1938.5868299	ppb	#	76
82) 2-nitrodiphenylamine	7.081	167	48785	1744.6322926	ppb		93
85) Benzidine	7.657	184	98474	1820.7731356	ppb	#	100
89) 3,3-Dichlorobenzidine	9.304	252	87747	1973.7764387	ppb		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 17.D
Acq On : 11 Feb 2022 3:19 pm
Operator : 917
Sample : STD TCL 2K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 14 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:18:40 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:18:11 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 18.D
Acq On : 11 Feb 2022 3:41 pm
Operator : 917
Sample : STD TCL 5K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 15 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:19:27 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:18:57 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

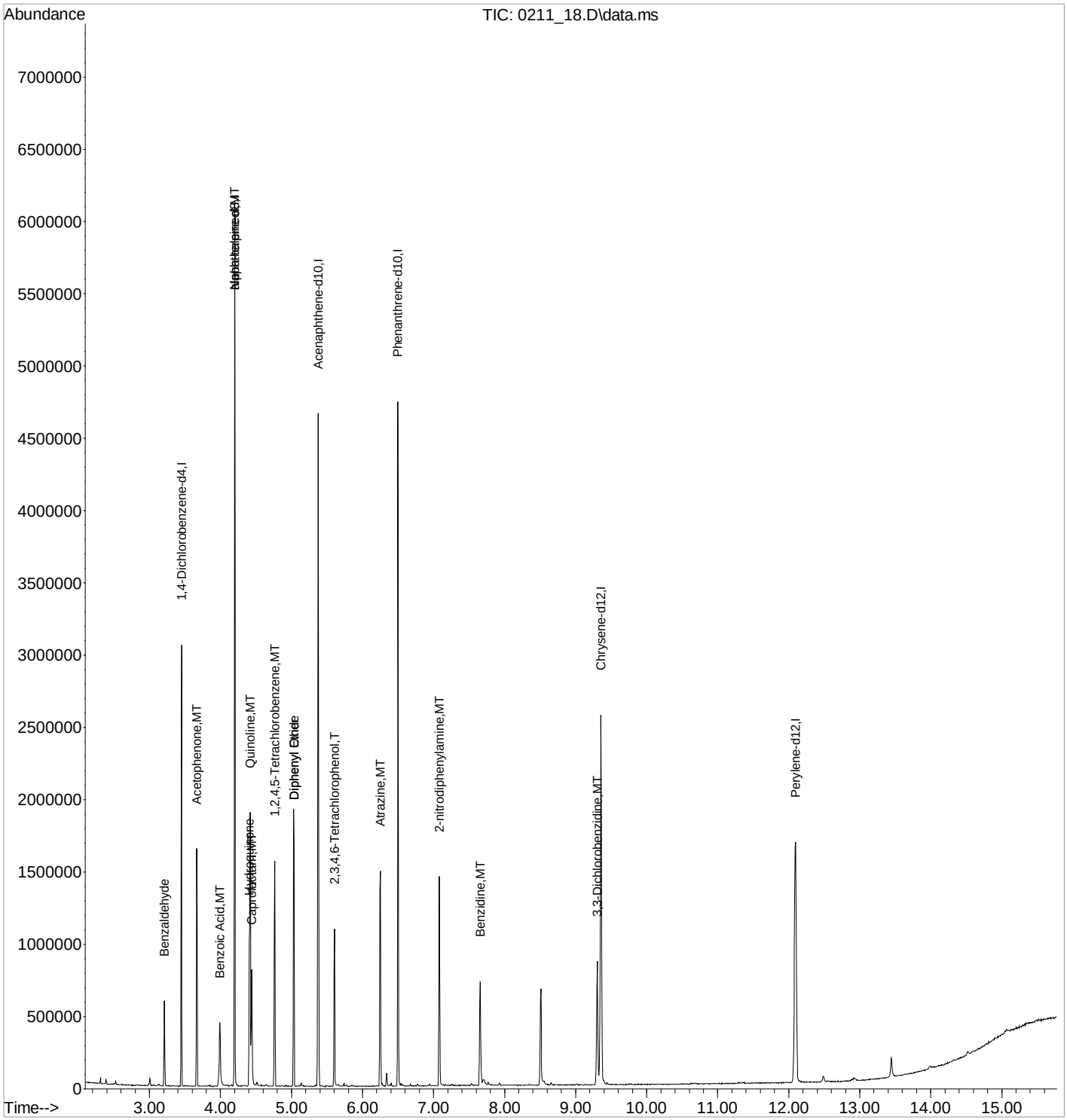
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.451	152	318667	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.198	136	1386288	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	718114	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1297795	8000.0000000	ppb		0.00
84) Chrysene-d12	9.357	240	1069583	8000.0000000	ppb		0.00
94) Perylene-d12	12.098	264	990730	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.210	105	67456	4935.2331698	ppb		98
22) Acetophenone	3.663	105	322066	5131.1109831	ppb		100
31) Benzoic Acid	3.993	105	139384	5573.8136222	ppb	#	51
33) alpha-terpineol	4.198	59	204688	5090.3548086	ppb		100
37) Hydroquinone	4.404	110	256397	5272.1460919	ppb		98
38) Quinoline	4.416	129	510331	5074.0235286	ppb		98
39) Caprolactam	4.440	113	82876	5388.4751336	ppb		99
43) 1,2,4,5-Tetrachloroben...	4.763	216	191264	4884.1962111	ppb		99
44) Diphenyl Ether	5.034	170	312372	5027.2468071	ppb		99
45) Diphenyl Oxide	5.034	170	312372	5027.2468071	ppb		99
62) 2,3,4,6-Tetrachlorophenol	5.604	232	99977	5217.9990209	ppb		95
69) Atrazine	6.251	200	131647	5180.7855644	ppb	#	80
82) 2-nitrodiphenylamine	7.081	167	145053	5449.1060324	ppb		97
85) Benzidine	7.657	184	310822	5996.7763505	ppb	#	100
89) 3,3-Dichlorobenzidine	9.304	252	233296	5335.5172335	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 18.D
Acq On : 11 Feb 2022 3:41 pm
Operator : 917
Sample : STD TCL 5K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 15 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:19:27 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:18:57 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 19.D
Acq On : 11 Feb 2022 4:03 pm
Operator : 917
Sample : MSTD TCL 10K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 16 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:16:55 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:16:15 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

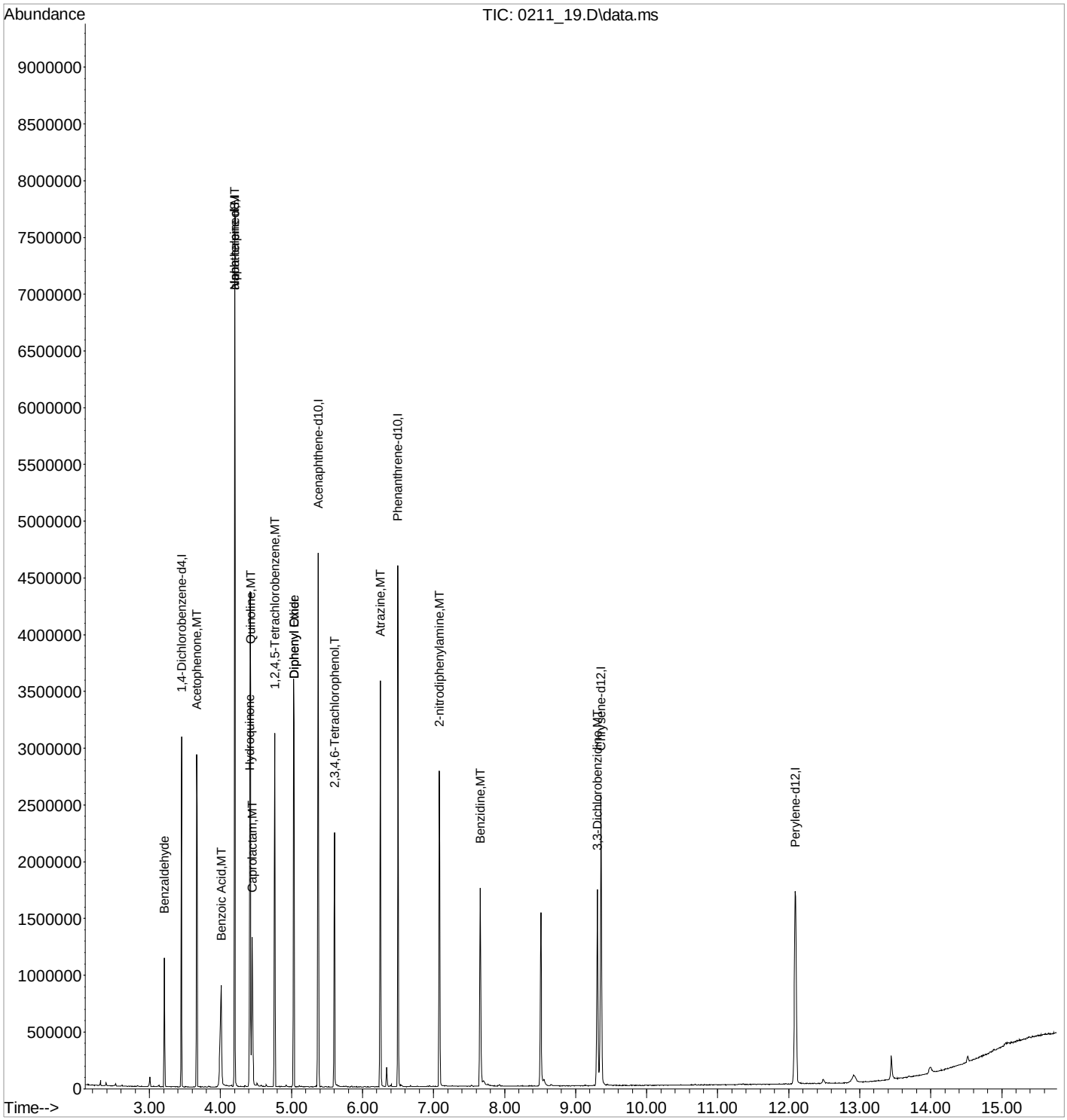
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.451	152	322623	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.198	136	1495812	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	721901	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1287860	8000.0000000	ppb		0.00
84) Chrysene-d12	9.357	240	1080620	8000.0000000	ppb		0.00
94) Perylene-d12	12.092	264	1000476	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.210	105	130118	10000.0000000	ppb		100
22) Acetophenone	3.663	105	618068	9990.1725621	ppb		100
31) Benzoic Acid	4.010	105	292917	10032.4004781	ppb	#	52
33) alpha-terpineol	4.198	59	394024	10000.0000000	ppb		100
37) Hydroquinone	4.410	110	507802	9777.5321745	ppb		100
38) Quinoline	4.422	129	976229	10000.0000000	ppb		100
39) Caprolactam	4.445	113	161371	9990.7751362	ppb		100
43) 1,2,4,5-Tetrachloroben...	4.763	216	368184	10000.0000000	ppb		100
44) Diphenyl Ether	5.034	170	590516	10000.0000000	ppb		100
45) Diphenyl Oxide	5.034	170	590516	10000.0000000	ppb		100
62) 2,3,4,6-Tetrachlorophenol	5.604	232	195087	9999.2824230	ppb		100
69) Atrazine	6.251	200	266002	9900.7328720	ppb	#	81
82) 2-nitrodiphenylamine	7.080	167	312135	10000.0000000	ppb		100
85) Benzidine	7.657	184	670044	9990.6660504	ppb	#	100
89) 3,3-Dichlorobenzidine	9.310	252	462615	9993.3898009	ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 19.D
Acq On : 11 Feb 2022 4:03 pm
Operator : 917
Sample : MSTD TCL 10K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 16 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:16:55 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:16:15 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050322\
Data File : 0503 04.D
Acq On : 3 May 2022 6:07 am
Operator : 917
Sample : ICV TCL 10K1 ppb 22D19628 exp 09/10/22
Misc : TCL CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

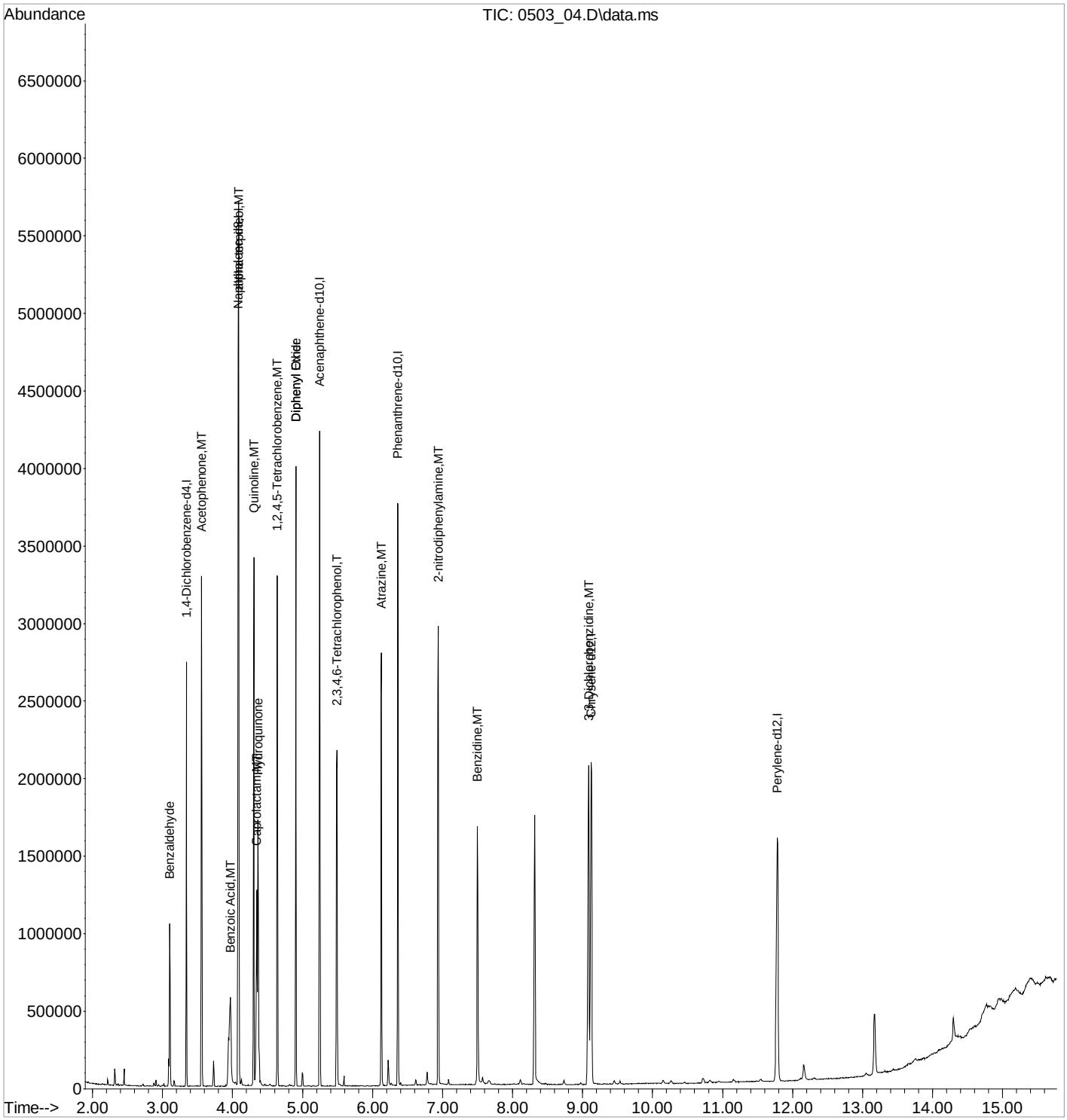
Quant Time: May 03 06:32:42 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.340	152	292375	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.081	136	1333273	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.245	164	618799	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.363	188	1107970	8000.0000000	ppb	0.00
84) Chrysene-d12	9.122	240	942719	8000.0000000	ppb	0.00
94) Perylene-d12	11.780	264	940019	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb	
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#		
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb	
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#		
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb	
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
9) Benzaldehyde	3.104	105	151799	11818.0895536	ppb	91
22) Acetophenone	3.557	105	648991	10861.5478117	ppb	93
31) Benzoic Acid	3.969	105	331504	12868.6935369	ppb #	66
33) alpha-terpineol	4.087	59	383951	10836.0918067	ppb	89
37) Hydroquinone	4.363	110	498239m	11448.4245149	ppb	
38) Quinoline	4.304	129	932175	10259.0305266	ppb	98
39) Caprolactam	4.345	113	164903	11954.3623848	ppb #	82
43) 1,2,4,5-Tetrachloroben...	4.640	216	409458	11645.6928717	ppb	99
44) Diphenyl Ether	4.904	170	604387	10815.0129604	ppb	93
45) Diphenyl Oxide	4.904	170	604387	10815.0129604	ppb	93
62) 2,3,4,6-Tetrachlorophenol	5.492	232	232402	12809.5864518	ppb	89
69) Atrazine	6.128	200	273262	11372.0307215	ppb #	79
82) 2-nitrodiphenylamine	6.939	167	379432	11192.3252996	ppb	94
85) Benzidine	7.498	184	634584	9008.5682780	ppb #	100
89) 3,3-Dichlorobenzidine	9.086	252	560533	12587.6578455	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\050322\
Data File : 0503 04.D
Acq On : 3 May 2022 6:07 am
Operator : 917
Sample : ICV TCL 10K1 ppb 22D19628 exp 09/10/22
Misc : TCL CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 03 06:32:42 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 20.D
Acq On : 11 Feb 2022 4:25 pm
Operator : 917
Sample : STD TCL 20K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 17 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:21:28 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:19:47 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

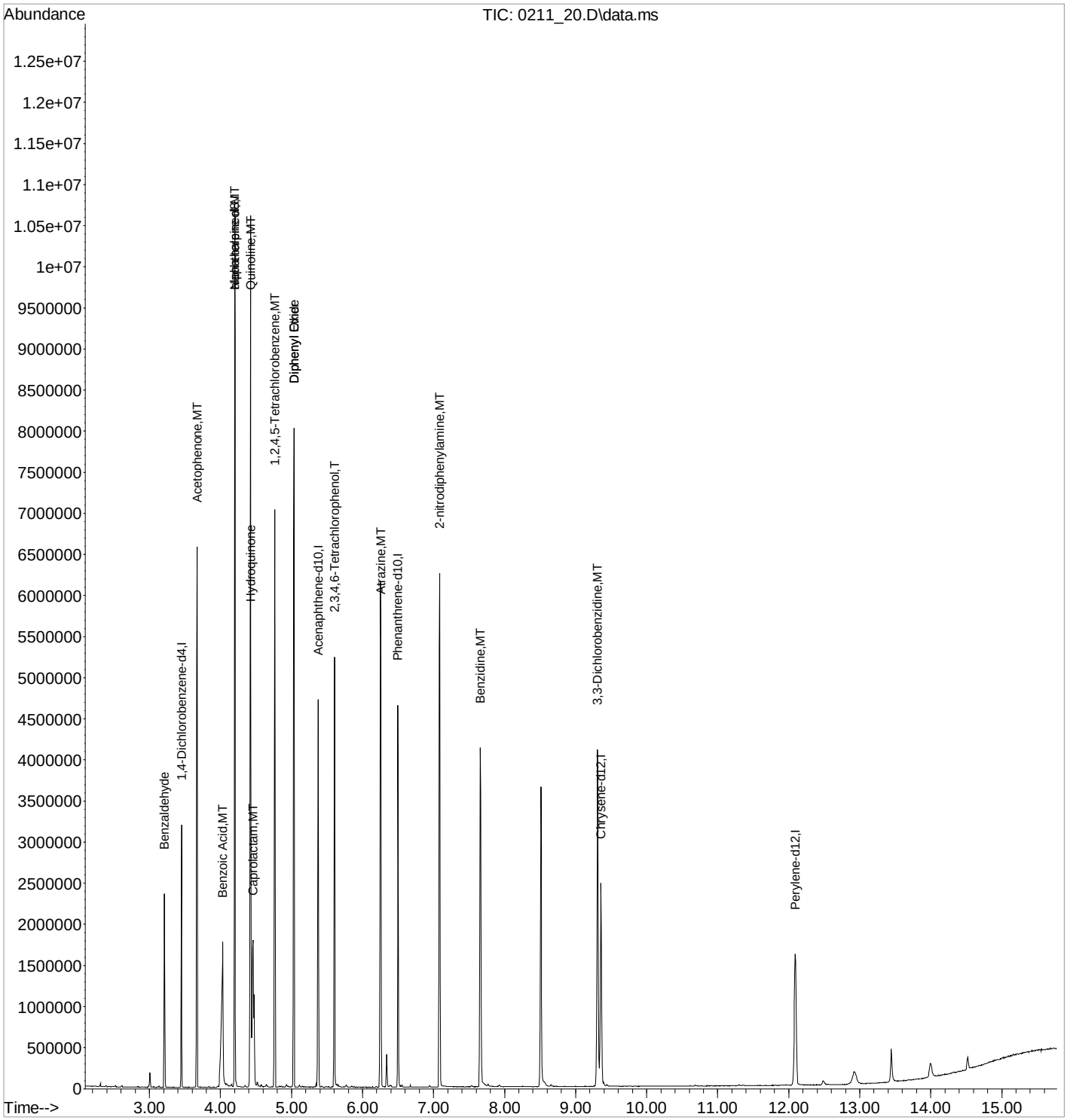
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.451	152	321948	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.198	136	1687167	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	718796	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1268457	8000.0000000	ppb		0.00
84) Chrysene-d12	9.357	240	1052838	8000.0000000	ppb		0.00
94) Perylene-d12	12.092	264	967987	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.210	105	284207	20648.1857262	ppb		98
22) Acetophenone	3.669	105	1345580	21080.9250934	ppb		99
31) Benzoic Acid	4.034	105	728870	23280.9222408	ppb	#	54
33) alpha-terpineol	4.204	59	863639	17568.1365567	ppb		86
37) Hydroquinone	4.428	110	1146844m	19116.3293189	ppb		
38) Quinoline	4.422	129	2102630	17114.1108828	ppb		99
39) Caprolactam	4.457	113	354211	18562.6419097	ppb		93
43) 1,2,4,5-Tetrachloroben...	4.763	216	810943	17114.6311952	ppb		99
44) Diphenyl Ether	5.034	170	1274572	16831.6472077	ppb		99
45) Diphenyl Oxide	5.034	170	1274572	16831.6472077	ppb		99
62) 2,3,4,6-Tetrachlorophenol	5.604	232	434931	22433.8505483	ppb		99
69) Atrazine	6.257	200	591424	23044.2864113	ppb	#	80
82) 2-nitrodiphenylamine	7.086	167	752389	28283.0992100	ppb		98
85) Benzidine	7.657	184	1608595	30031.9221469	ppb	#	100
89) 3,3-Dichlorobenzidine	9.310	252	1060072	24223.2443719	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 20.D
Acq On : 11 Feb 2022 4:25 pm
Operator : 917
Sample : STD TCL 20K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 17 Sample Multiplier: 1
InstName : BNAMS20

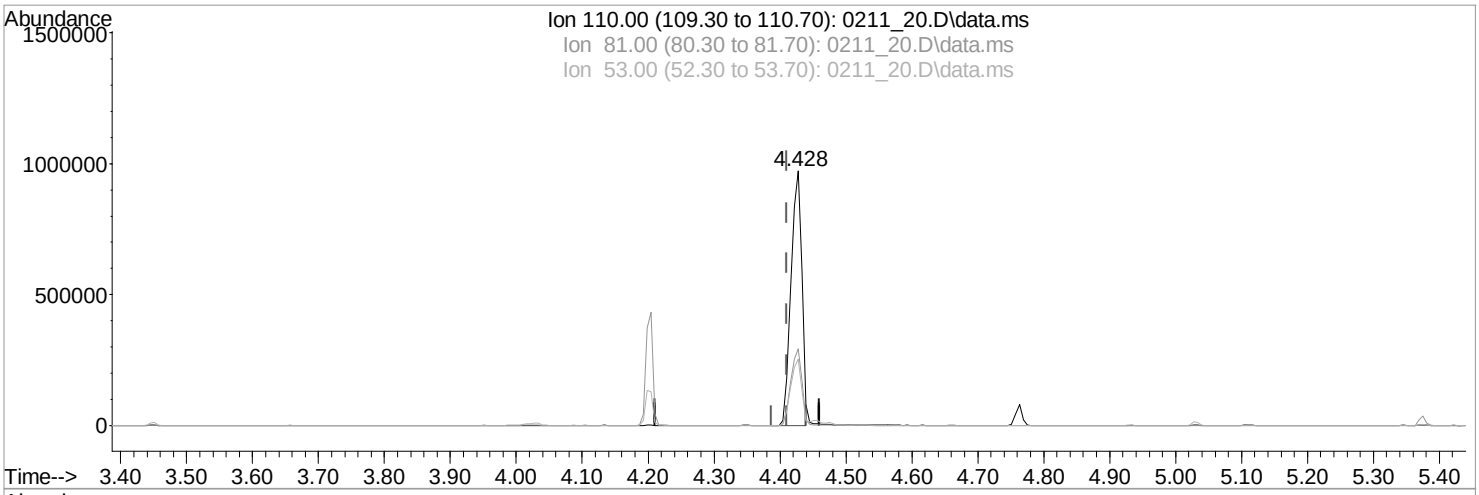
Quant Time: Feb 11 17:21:28 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:19:47 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

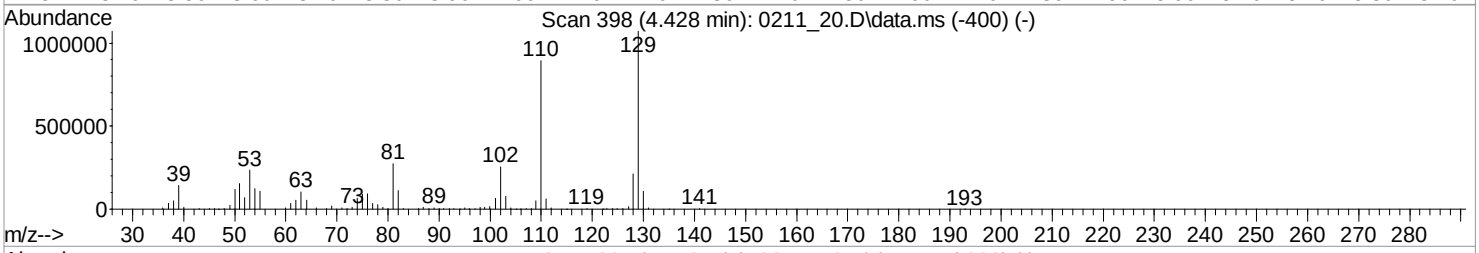


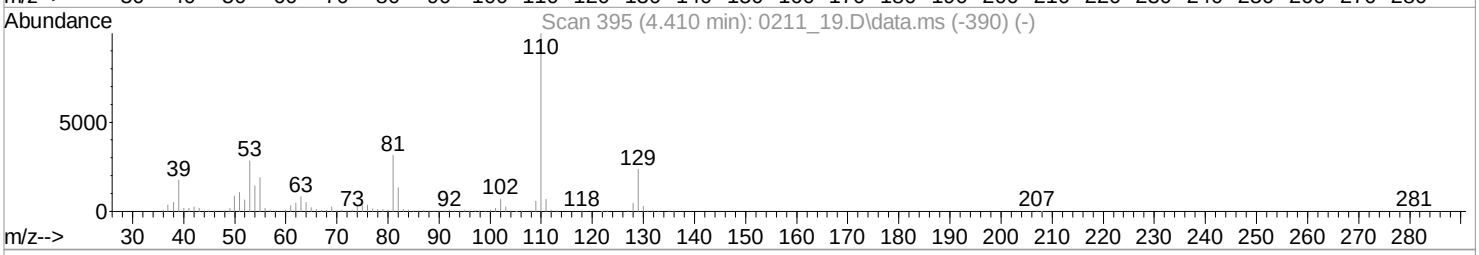
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 20.D
Acq On : 11 Feb 2022 4:25 pm
Operator : 917
Sample : STD TCL 20K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 17 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:20:52 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:19:47 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_20.D\data.ms

(37) Hydroquinone

4.428min (+0.018) 18772.4052779 ppb

Qvalue = 97

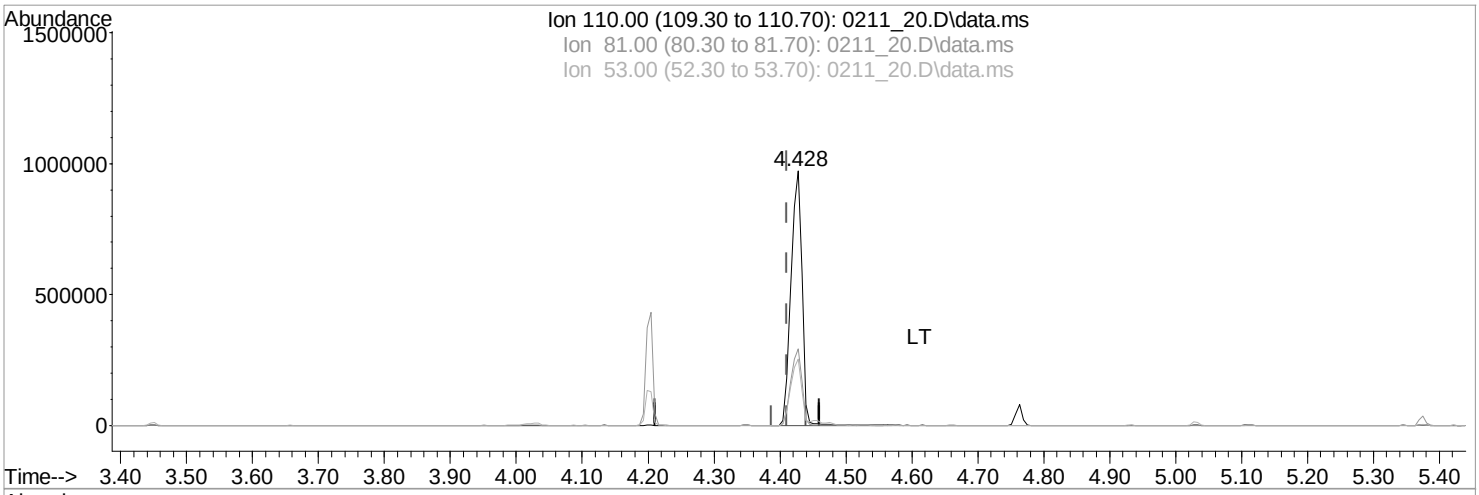
response 1126211

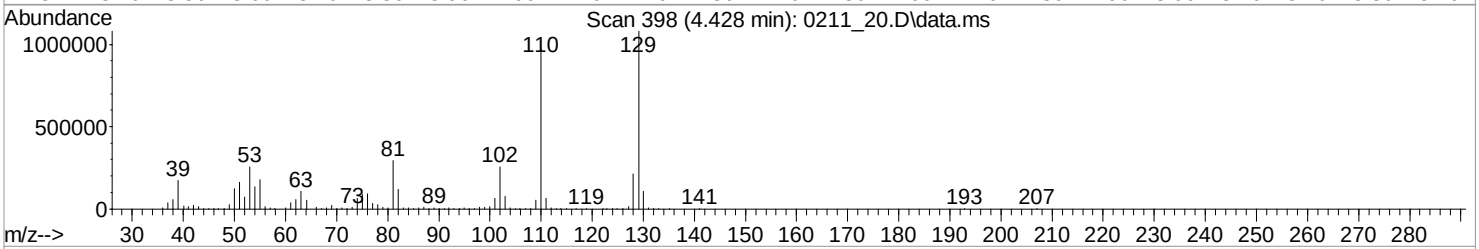
Ion	Exp%	Act%
110.00	100	100
81.00	31.60	30.18
53.00	28.10	26.12
0.00	0.00	0.00

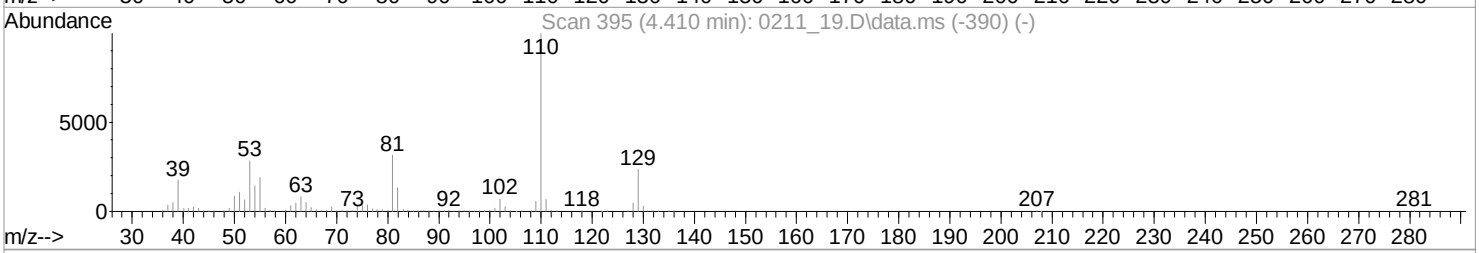
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 20.D
Acq On : 11 Feb 2022 4:25 pm
Operator : 917
Sample : STD TCL 20K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 17 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:20:52 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:19:47 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_20.D\data.ms

(37) Hydroquinone

4.428min (+0.018) 19116.3293189 ppb m

response 1146844

Ion	Exp%	Act%
110.00	100	100
81.00	31.60	30.21
53.00	28.10	26.14
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 21.D
Acq On : 11 Feb 2022 4:46 pm
Operator : 917
Sample : STD TCL 30K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 18 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:23:22 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:22:45 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

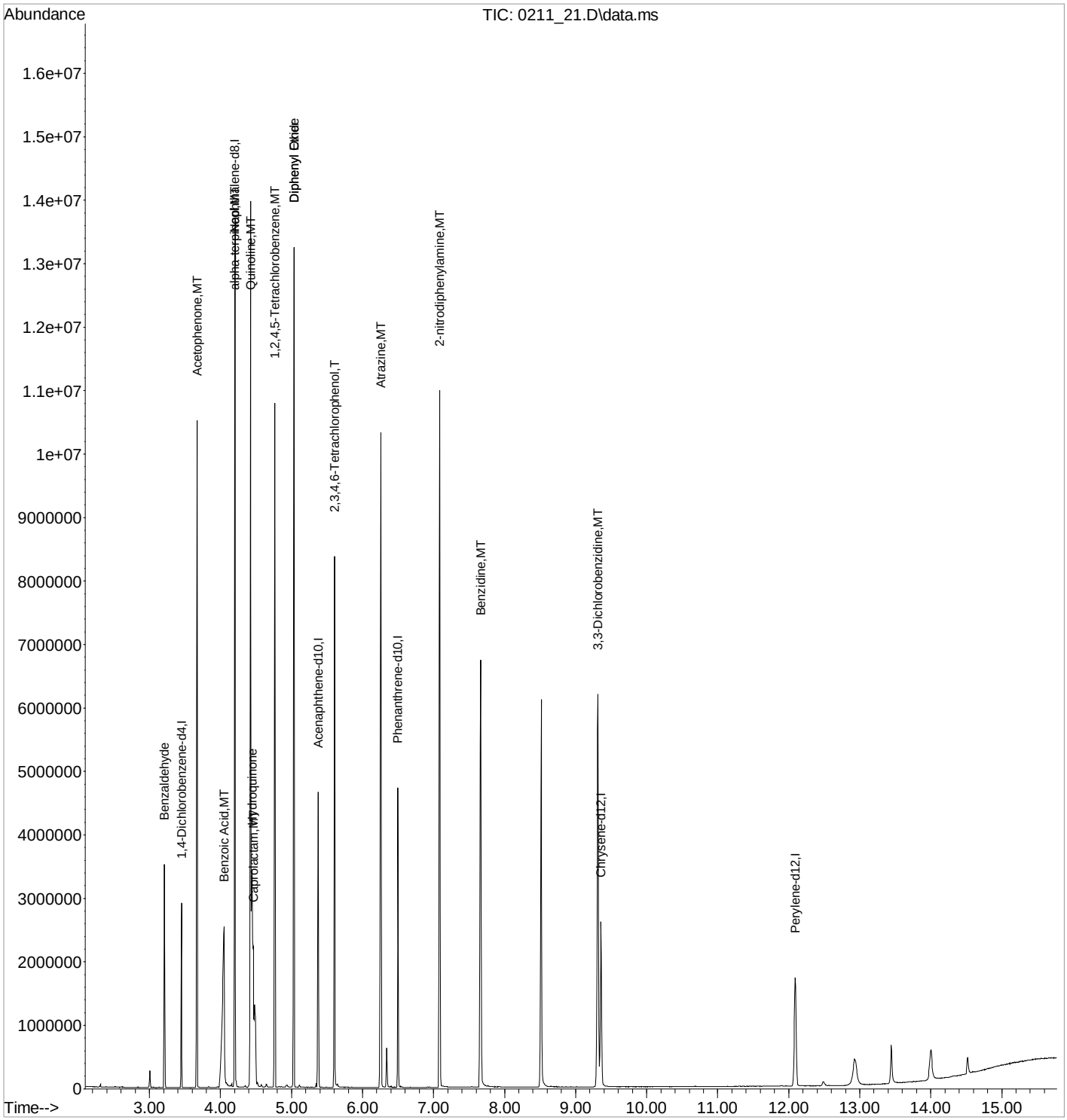
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.451	152	311106	8000.0000000 ppb		0.00
23) Naphthalene-d8	4.199	136	1895333	8000.0000000 ppb		0.00
46) Acenaphthene-d10	5.375	164	724682	8000.0000000 ppb		0.00
70) Phenanthrene-d10	6.498	188	1279268	8000.0000000 ppb		0.00
84) Chrysene-d12	9.357	240	1085391	8000.0000000 ppb		0.00
94) Perylene-d12	12.092	264	987457	8000.0000000 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.0000000 ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.0000000 ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.0000000 ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#		
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000 ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0d	0.0000000 ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#		
87) p-Terphenyl-d14	0.000	244	0d	0.0000000 ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
9) Benzaldehyde	3.210	105	423103	31326.2055104 ppb		99
22) Acetophenone	3.669	105	2012848	31880.2047936 ppb		99
31) Benzoic Acid	4.051	105	1164310	31691.6900739 ppb	#	52
33) alpha-terpineol	4.204	59	1299980	24940.3330517 ppb		89
37) Hydroquinone	4.446	110	1770540m	27019.0203984 ppb		
38) Quinoline	4.422	129	3145127	24348.9712947 ppb		96
39) Caprolactam	4.463	113	554693	26811.7329069 ppb	#	77
43) 1,2,4,5-Tetrachloroben...	4.763	216	1242688	24862.8915891 ppb		99
44) Diphenyl Ether	5.034	170	1943820	24468.1726479 ppb		99
45) Diphenyl Oxide	5.034	170	1943820	24468.1726479 ppb		99
62) 2,3,4,6-Tetrachlorophenol	5.604	232	678310	33164.0459337 ppb		95
69) Atrazine	6.257	200	909724	33356.4572687 ppb	#	80
82) 2-nitrodiphenylamine	7.087	167	1227573	39562.0398790 ppb		97
85) Benzidine	7.663	184	2569089	39582.4258697 ppb	#	100
89) 3,3-Dichlorobenzidine	9.316	252	1687467	34750.8429883 ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 21.D
Acq On : 11 Feb 2022 4:46 pm
Operator : 917
Sample : STD TCL 30K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 18 Sample Multiplier: 1
InstName : BNAMS20

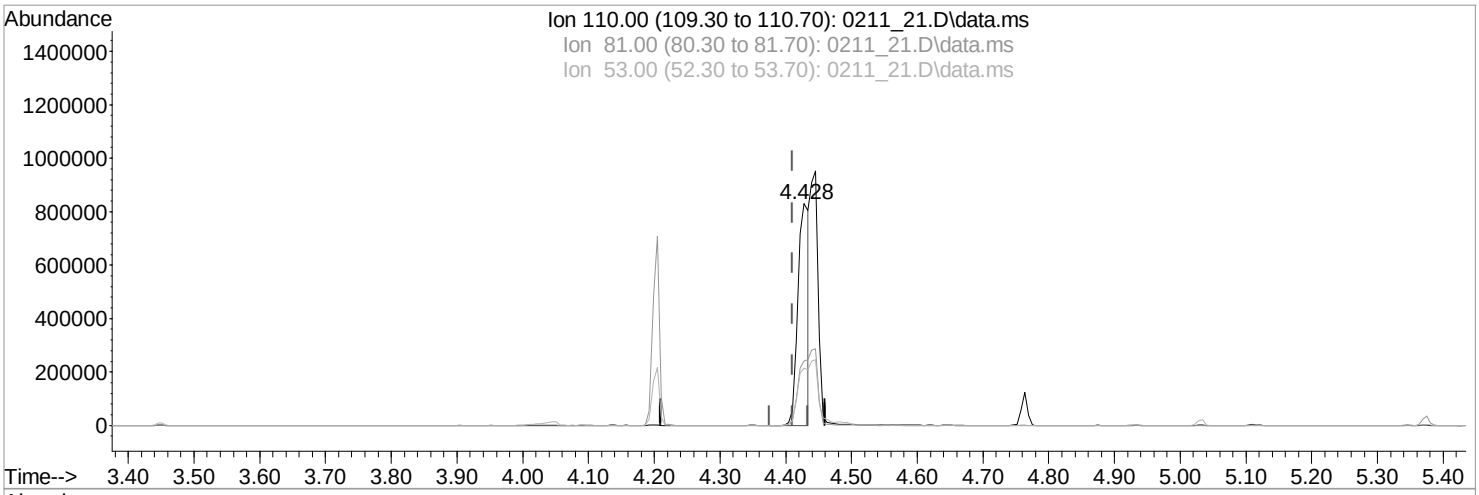
Quant Time: Feb 11 17:23:22 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:22:45 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

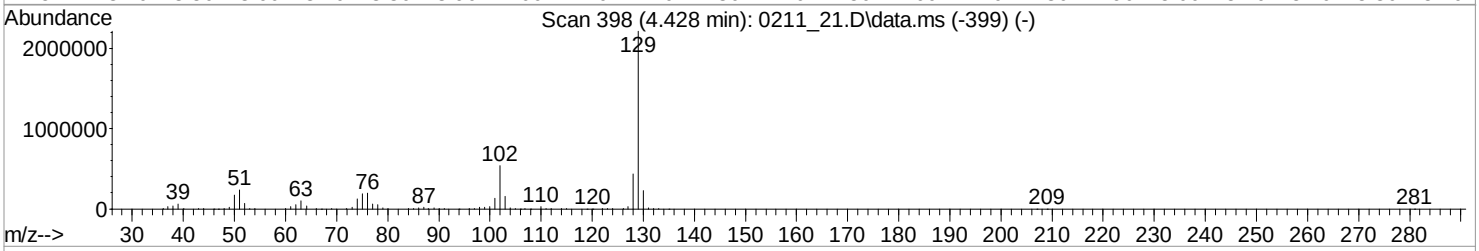


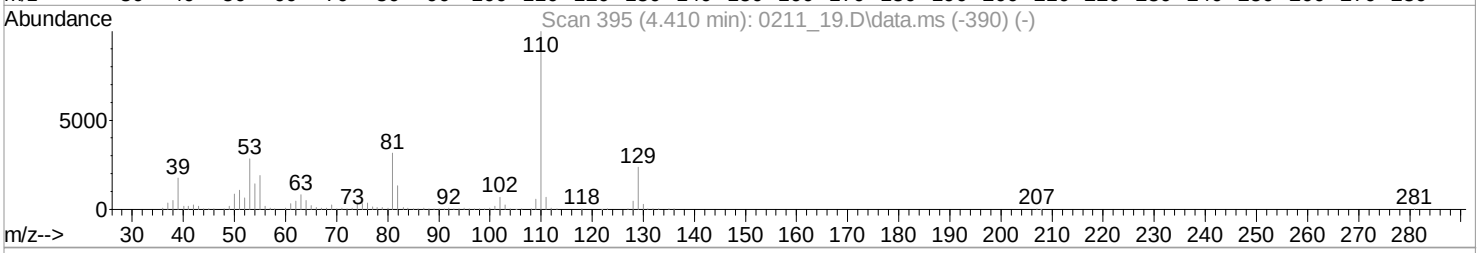
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 21.D
Acq On : 11 Feb 2022 4:46 pm
Operator : 917
Sample : STD TCL 30K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 18 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:21:54 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:21:51 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_21.D\data.ms

(37) Hydroquinone

4.428min (+0.018) 14468.9042940 ppb

Qvalue = 96

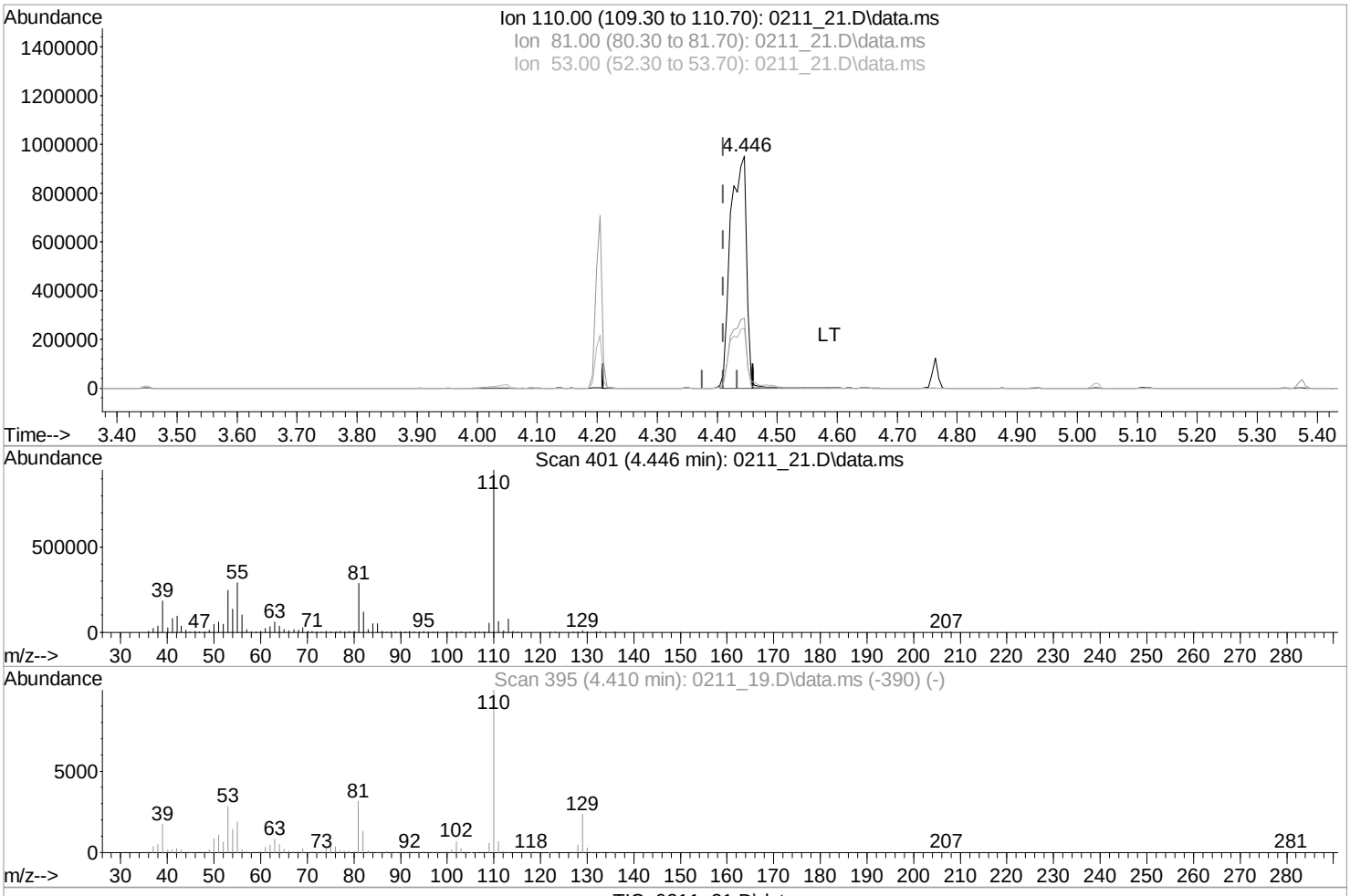
response 966514

Ion	Exp%	Act%
110.00	100	100
81.00	31.60	29.18
53.00	28.10	25.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 21.D
Acq On : 11 Feb 2022 4:46 pm
Operator : 917
Sample : STD TCL 30K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 18 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:22:48 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:22:45 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0211_21.D\data.ms

(37) Hydroquinone

4.446min (+0.035) 27019.0203984 ppb m

response 1770540

Ion	Exp%	Act%
110.00	100	100
81.00	31.60	30.03
53.00	28.10	25.79
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 22.D
Acq On : 11 Feb 2022 5:08 pm
Operator : 917
Sample : STD TCL 40K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 19 Sample Multiplier: 1
InstName : BNAMS20

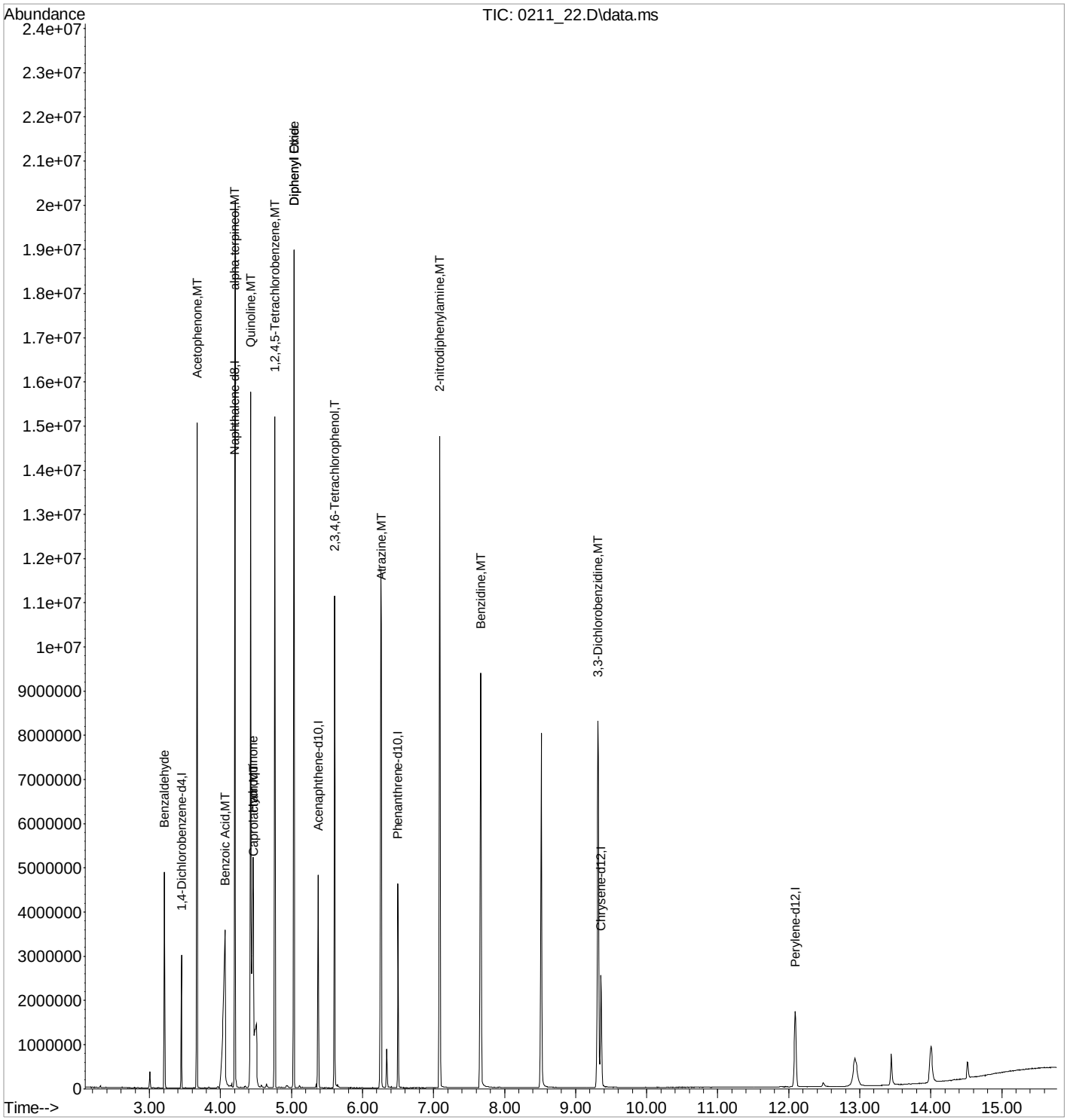
Quant Time: Feb 11 17:25:56 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:23:27 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.451	152	322976	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.198	136	2156188	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	746114	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1300648	8000.0000000	ppb		0.00
84) Chrysene-d12	9.357	240	1070050	8000.0000000	ppb		0.00
94) Perylene-d12	12.092	264	975070	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.210	105	593522	42328.8670918	ppb		98
22) Acetophenone	3.669	105	2748561	41932.7782503	ppb		99
31) Benzoic Acid	4.063	105	1689869	40432.3246009	ppb	#	54
33) alpha-terpineol	4.204	59	1813221	30578.4324092	ppb		89
37) Hydroquinone	4.457	110	2418891m	32460.6618334	ppb		
38) Quinoline	4.422	129	4262971	29010.3994401	ppb		94
39) Caprolactam	4.463	113	771778	32791.6668621	ppb	#	78
43) 1,2,4,5-Tetrachloroben...	4.763	216	1748878	30757.2813855	ppb		99
44) Diphenyl Ether	5.034	170	2688901	29752.2080422	ppb		99
45) Diphenyl Oxide	5.034	170	2688901	29752.2080422	ppb		99
62) 2,3,4,6-Tetrachlorophenol	5.604	232	968860	46008.9793972	ppb		93
69) Atrazine	6.263	200	1273467	45352.3971352	ppb	#	80
82) 2-nitrodiphenylamine	7.086	167	1718782	54482.1082181	ppb		95
85) Benzidine	7.663	184	3577928	55916.1162447	ppb	#	100
89) 3,3-Dichlorobenzidine	9.316	252	2341227	48905.2771411	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 22.D
Acq On : 11 Feb 2022 5:08 pm
Operator : 917
Sample : STD TCL 40K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 19 Sample Multiplier: 1
InstName : BNAMS20

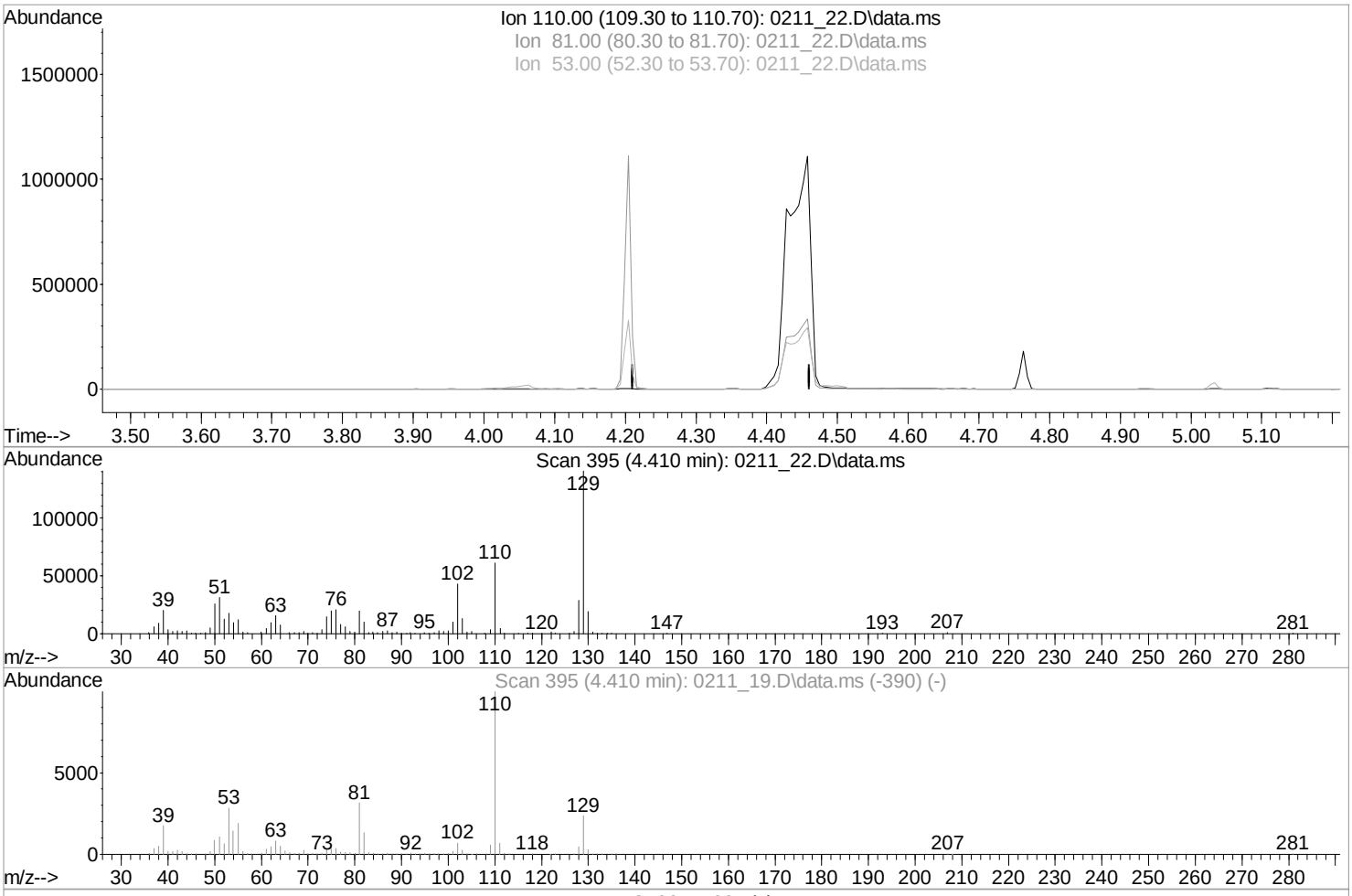
Quant Time: Feb 11 17:25:56 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:23:27 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 22.D
Acq On : 11 Feb 2022 5:08 pm
Operator : 917
Sample : STD TCL 40K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 19 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:25:23 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:23:27 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0211_22.D\data.ms

(37) Hydroquinone

4.410min (-4.410) 0.0000000 ppb

Qvalue = 0

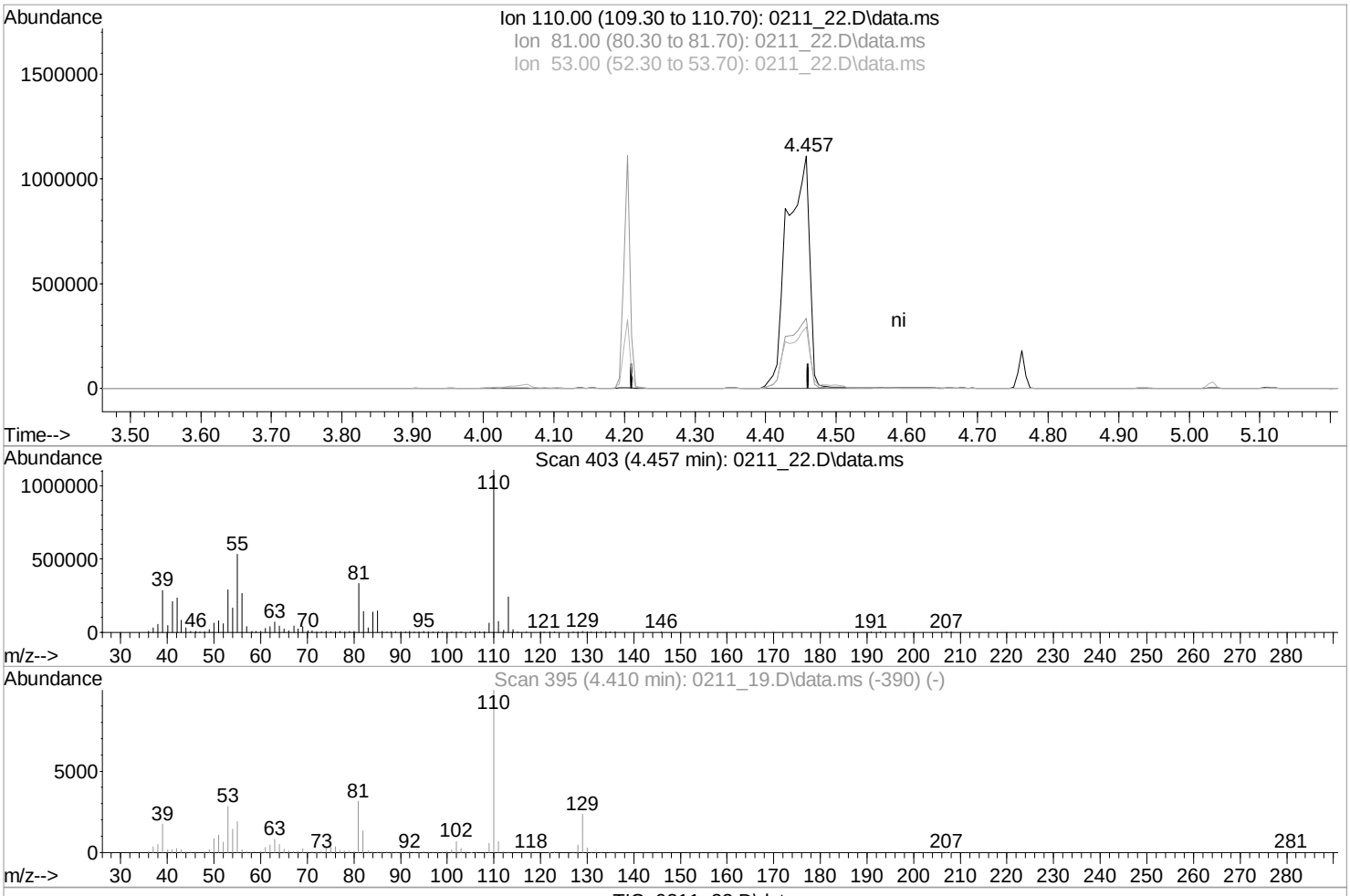
response 0

Ion	Exp%	Act%
110.00	100	0.00
81.00	31.60	0.00#
53.00	28.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 22.D
Acq On : 11 Feb 2022 5:08 pm
Operator : 917
Sample : STD TCL 40K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 19 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:25:23 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:23:27 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0211_22.D\data.ms

(37) Hydroquinone

4.457min (+0.047) 32460.6618334 ppb m

response 2418891

Ion	Exp%	Act%
110.00	100	100
81.00	31.60	30.03
53.00	28.10	26.24
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 23.D
Acq On : 11 Feb 2022 5:30 pm
Operator : 917
Sample : STD TCL 50K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 20 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:49:47 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:26:14 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

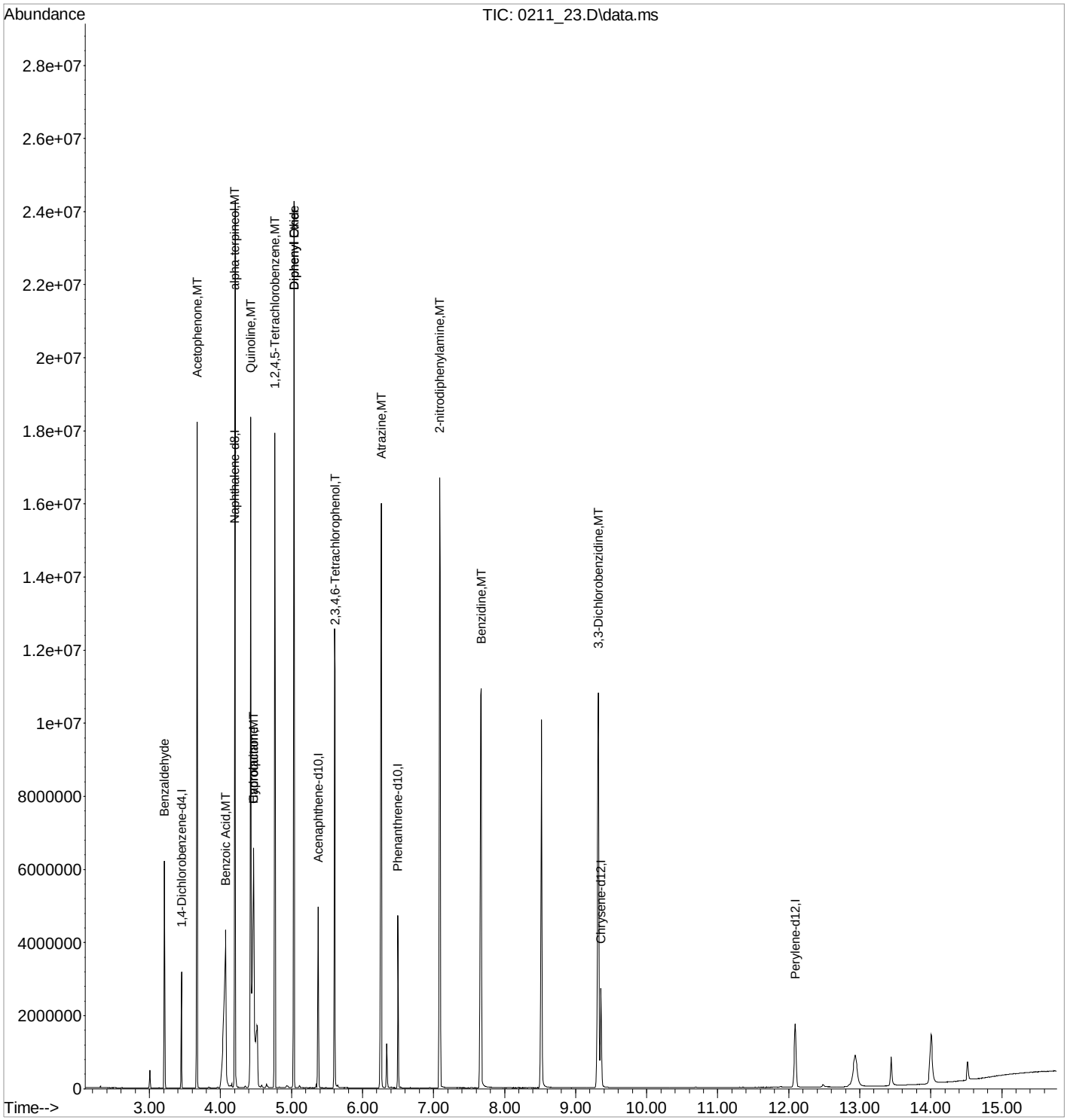
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.451	152	337028	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.198	136	2410000	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.375	164	773510	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.498	188	1336052	8000.0000000	ppb		0.00
84) Chrysene-d12	9.357	240	1112399	8000.0000000	ppb		0.00
94) Perylene-d12	12.092	264	998743	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.210	105	758829	51434.0541340	ppb		99
22) Acetophenone	3.669	105	3445930	50034.7157989	ppb		98
31) Benzoic Acid	4.075	105	2250251	48095.6919156	ppb	#	54
33) alpha-terpineol	4.204	59	2291486	35778.0051962	ppb		90
37) Hydroquinone	4.469	110	3100278m	38253.0014045	ppb		
38) Quinoline	4.428	129	5232330	33158.5095673	ppb		93
39) Caprolactam	4.469	113	1003622	39159.5583724	ppb	#	78
43) 1,2,4,5-Tetrachloroben...	4.763	216	2252888	36658.5684774	ppb		98
44) Diphenyl Ether	5.034	170	3377755	34708.4436649	ppb		98
45) Diphenyl Oxide	5.034	170	3377755	34708.4436649	ppb		98
62) 2,3,4,6-Tetrachlorophenol	5.610	232	1266614	56799.3645444	ppb		91
69) Atrazine	6.263	200	1631424	54991.4487251	ppb	#	79
82) 2-nitrodiphenylamine	7.086	167	2286352	67082.8855334	ppb		96
85) Benzidine	7.669	184	4655872	66227.6475367	ppb	#	100
89) 3,3-Dichlorobenzidine	9.322	252	3045600	59310.4340587	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 23.D
Acq On : 11 Feb 2022 5:30 pm
Operator : 917
Sample : STD TCL 50K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 20 Sample Multiplier: 1
InstName : BNAMS20

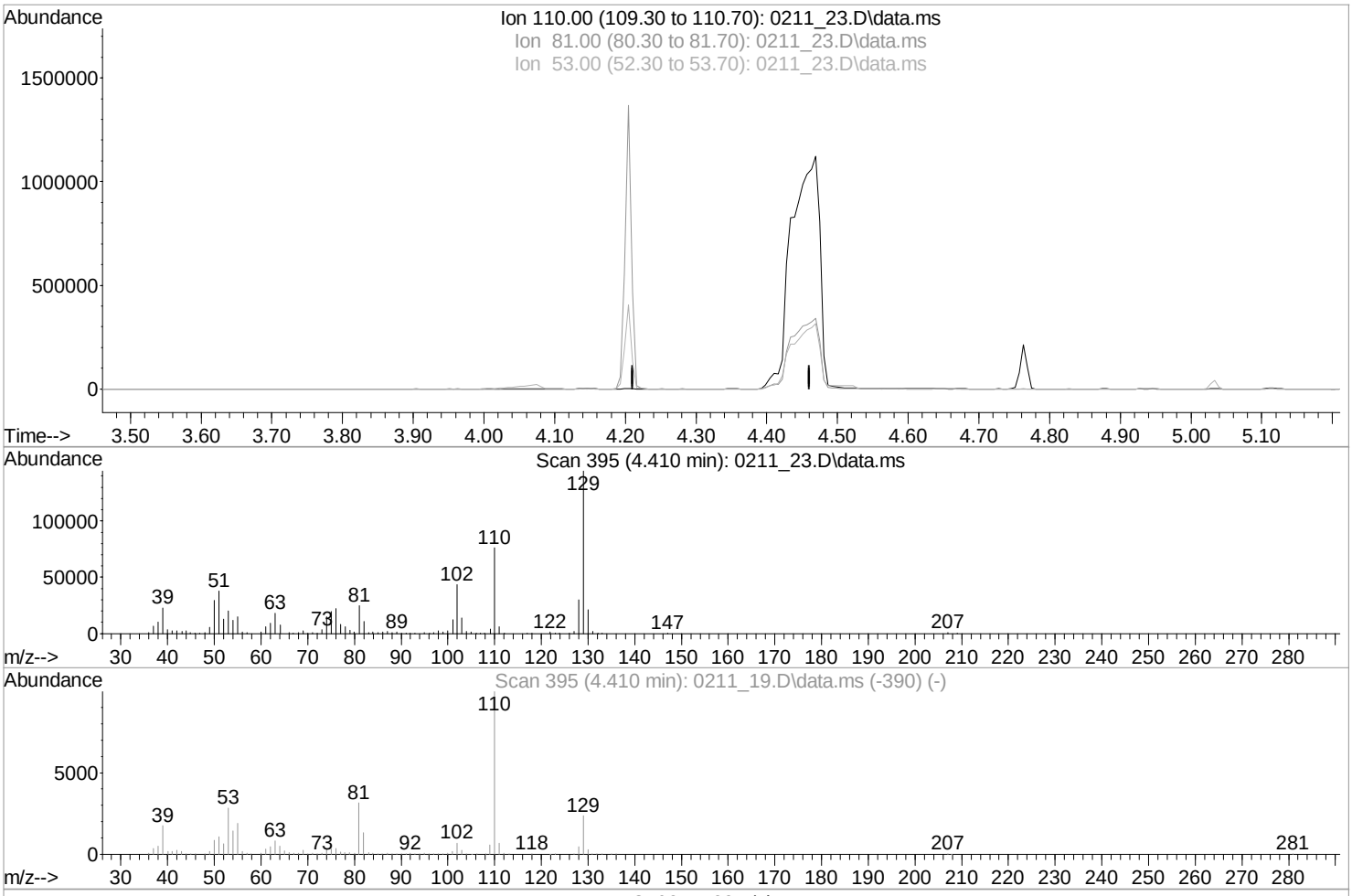
Quant Time: Feb 11 17:49:47 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:26:14 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 23.D
Acq On : 11 Feb 2022 5:30 pm
Operator : 917
Sample : STD TCL 50K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 20 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:49:08 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:26:14 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0211_23.D\data.ms

(37) Hydroquinone

4.410min (-4.410) 0.0000000 ppb

Qvalue = 0

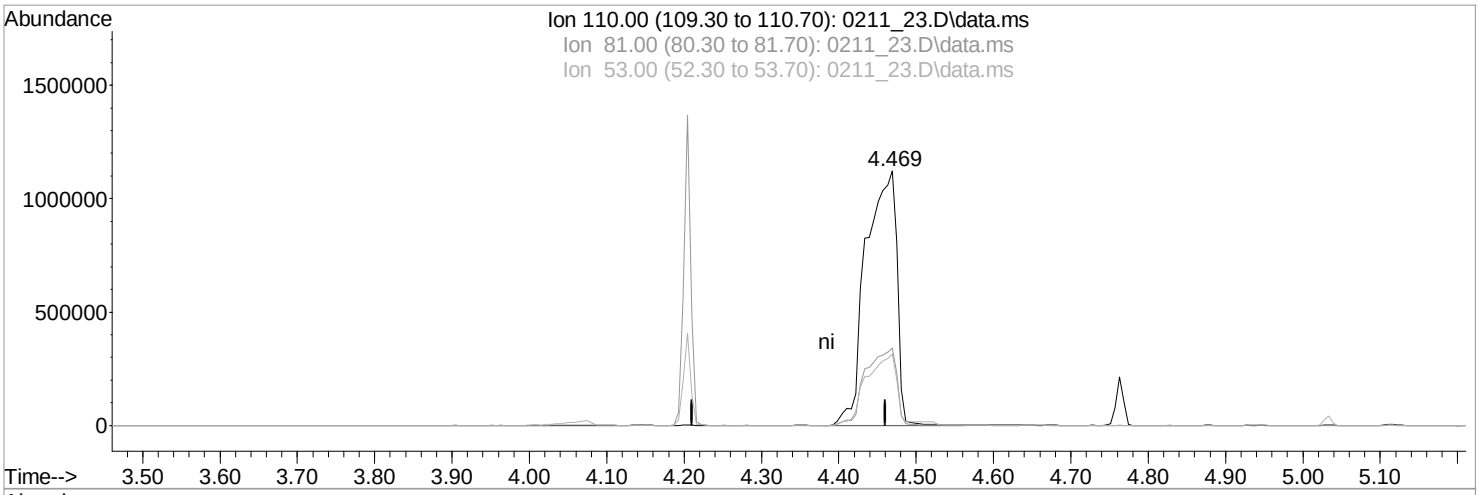
response 0

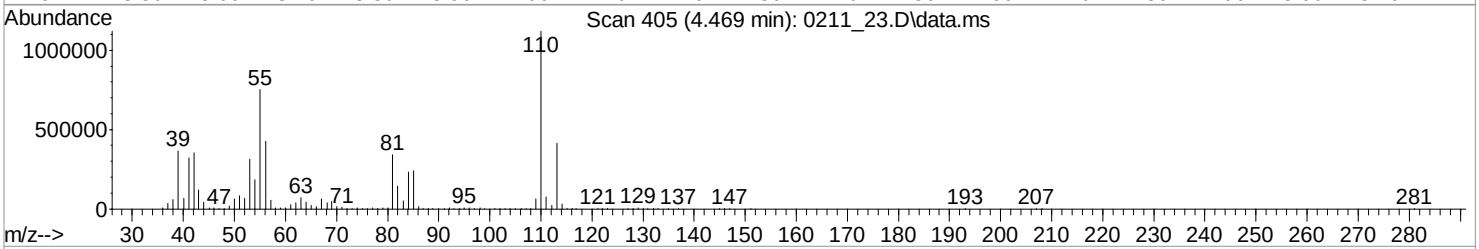
Ion	Exp%	Act%
110.00	100	0.00
81.00	31.60	0.00#
53.00	28.10	0.00#
0.00	0.00	0.00

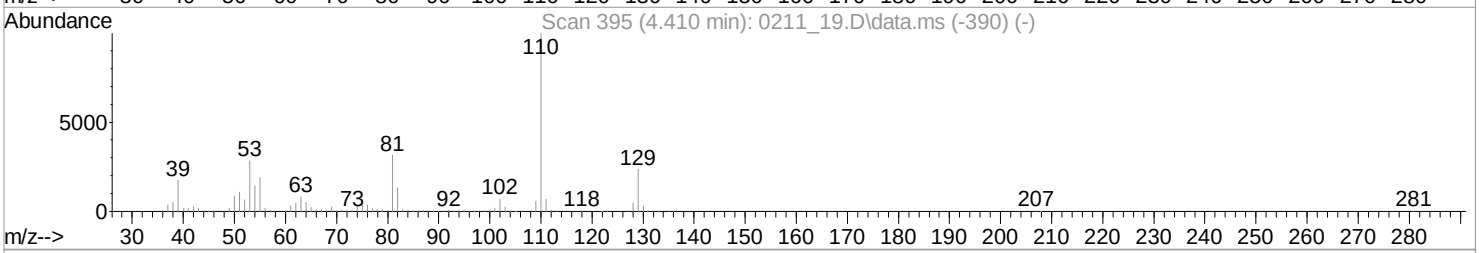
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 23.D
Acq On : 11 Feb 2022 5:30 pm
Operator : 917
Sample : STD TCL 50K1 ppb 2B08398 exp 07/15/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 20 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 11 17:49:08 2022
Quant Method : C:\msdchem\1\methods\S820B11V.M
Quant Title : 8270 BNA
QLast Update : Fri Feb 11 17:26:14 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_23.D\data.ms

(37) Hydroquinone

4.469min (+0.059) 38253.0014045 ppb m

response 3100278

Ion	Exp%	Act%
110.00	100	100
81.00	31.60	30.40
53.00	28.10	28.01
0.00	0.00	0.00

6A-OR

GC/MS INITIAL CALIBRATION DATA

SDG: L1488631 **Analytical Method:** 8270E

Instrument ID: BNAMS33

Analyte	**RRF: 40**	**RRF: 200**	**RRF: 1000**	**RRF: 2000**	**RRF: 5000**	**RRF: 10000**	**RRF: 20000**	**RRF: 30000**	**RRF: 40000**	**RRF: 50000**
Analysis date/time	03/18/22 16:44	03/18/22 17:05	03/18/22 17:27	03/18/22 17:48	03/18/22 18:09	03/18/22 18:31	03/18/22 18:52	03/18/22 19:13	03/18/22 19:35	03/18/22 19:56
NAPHTHALENE	1.1520	1.0630	1.02	1.0180	1.0020	1.0060	1.0020	0.9910	0.9740	0.9730
2-METHYLNAPHTHALENE	0.7390	0.6540	0.6830	0.6720	0.68	0.69	0.7010	0.6910	0.6940	0.6950
1-METHYLNAPHTHALENE	0.6650	0.6230	0.6580	0.6410	0.6380	0.6450	0.6540	0.66	0.6640	0.6540
ACENAPHTHYLENE	1.8130	1.63	1.7560	1.7290	1.7350	1.7590	1.7790	1.7670	1.7840	1.7360
ACENAPHTHENE	1.21	1.1490	1.1820	1.1650	1.1480	1.17	1.2050	1.1990	1.2110	1.1860
FLUORENE	1.3510	1.2910	1.3570	1.3320	1.3690	1.3910	1.4470	1.43	1.4390	1.4040
PHENANTHRENE	1.2540	1.07	1.0380	1.0480	1.0490	1.04	1.0820	1.0630	1.0690	1.0240
ANTHRACENE	1.10	1.0020	1.0390	1.0430	1.06	1.0530	1.1050	1.0970	1.0820	1.0360
FLUORANTHENE	1.22	1.0430	1.0890	1.0850	1.1340	1.1240	1.17	1.1760	1.17	1.1480
PYRENE	1.4820	1.2660	1.2760	1.2650	1.2710	1.2990	1.3020	1.2920	1.2690	1.2560
BENZO(A)ANTHRACENE	1.8670	1.2550	1.2090	1.1910	1.1880	1.2040	1.2060	1.22	1.2250	1.2210
CHRYSENE	1.3480	1.1460	1.1690	1.1470	1.1560	1.1430	1.1610	1.1660	1.1660	1.16
BENZO(B)FLUORANTHENE	1.0920	1.0640	1.0820	1.1390	1.1480	1.1540	1.2250	1.2350	1.24	1.2480
BENZO(K)FLUORANTHENE	1.0980	1.0370	1.1180	1.1390	1.1760	1.1880	1.2180	1.22	1.24	1.24
BENZO(A)PYRENE	0.97	0.86	0.95	0.9690	1.0140	1.0190	1.0690	1.0750	1.0930	1.0990
INDENO(1,2,3-CD)PYRENE	0.9270	0.8490	0.9070	0.94	0.9920	0.9930	1.0540	1.0770	1.1070	1.1640
DIBENZ(A,H)ANTHRACENE	0.8810	0.9320	0.9920	1.0210	1.0540	1.0790	1.1260	1.1840	1.1970	1.2240
BENZO(G,H,I)PERYLENE	0.9770	0.9610	1.0020	1.0150	1.0610	1.0650	1.1170	1.1270	1.13	1.1420
PHENOL		1.40	1.5010	1.5330	1.51	1.5110	1.5350	1.5710	1.6290	1.6180
3&4-METHYL PHENOL		1.2560	1.2930	1.3260	1.3130	1.3190	1.3420	1.3450	1.3730	1.3790
DIBENZOFURAN		1.5520	1.6830	1.6380	1.6180	1.6140	1.6590	1.6460	1.6690	1.6550
PENTACHLOROPHENOL		0.0690	0.08	0.0890	0.1030	0.1130	0.1260	0.1360	0.1420	0.1470
CARBAZOLE		0.9070	0.9730	0.9690	0.9910	0.9780	1.02	1.0240	1.0210	0.99
DI-N-BUTYL PHTHALATE		1.0350	1.1180	1.1380	1.17	1.1870	1.2360	1.2380	1.2010	1.1870
BIS(2-ETHYLHEXYL)PHTHALATE		0.6530	0.7180	0.7390	0.7790	0.8040	0.8460	0.8650	0.8660	0.8940
DI-N-OCTYL PHTHALATE		0.8970	1.0950	1.1680	1.2750	1.3290	1.4060	1.4170	1.4390	1.4680
2-FLUOROPHENOL		1.1480	1.1650	1.1830	1.1990	1.1820	1.19	1.2210	1.25	1.2510
PHENOL-D5		1.4440	1.4690	1.5020	1.4920	1.5010	1.5230	1.5660	1.6190	1.6130
NITROBENZENE-D5		0.3150	0.3190	0.3190	0.3250	0.3340	0.3390	0.3440	0.3340	0.3470
2-FLUOROBIPHENYL		1.3040	1.3410	1.31	1.3120	1.3250	1.3770	1.3650	1.3760	1.3450
P-TERPHENYL-D14		0.9670	1.0210	1.0270	1.0340	1.0560	1.0750	1.0640	1.0530	1.0490
2,4,6-TRIBROMOPHENOL				0.0820	0.0930	0.0970	0.1050	0.1110	0.1180	0.1210
BENZOIC ACID										
File ID:	0318_006	0318_007	0318_008	0318_009	0318_010	0318_011	0318_012	0318_013	0318_014	0318_015

GC/MS INITIAL CALIBRATION DATA

SDG: L1488631 **Analytical Method:** 8270E

Instrument ID: BNAMS33

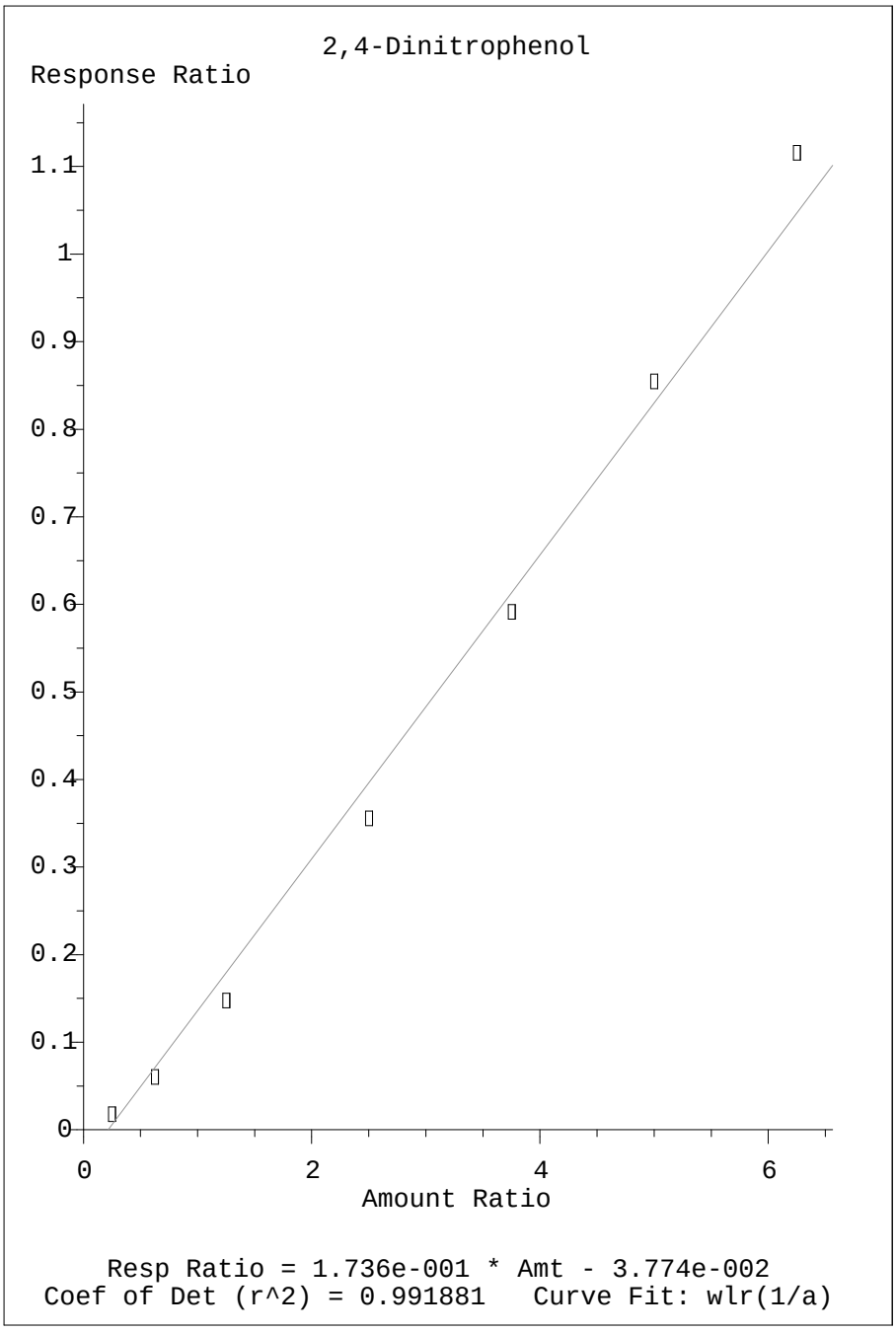
Analyte	**RRF: 1K1**	**RRF: 2K1**	**RRF: 5K1**	**RRF: 10K1**	**RRF: 20K1**	**RRF: 30K1**	**RRF: 40K1**	**RRF: 50K1**
Analysis date/time	03/18/22 20:17	03/18/22 20:39	03/18/22 21:00	03/18/22 21:22	03/18/22 21:43	03/18/22 22:04	03/18/22 22:26	03/18/22 22:47
NAPHTHALENE								
2-METHYLNAPHTHALENE								
1-METHYLNAPHTHALENE								
ACENAPHTHYLENE								
ACENAPHTHENE								
FLUORENE								
PHENANTHRENE								
ANTHRACENE								
FLUORANTHENE								
PYRENE								
BENZO(A)ANTHRACENE								
CHRYSENE								
BENZO(B)FLUORANTHENE								
BENZO(K)FLUORANTHENE								
BENZO(A)PYRENE								
INDENO(1,2,3-CD)PYRENE								
DIBENZ(A,H)ANTHRACENE								
BENZO(G,H,I)PERYLENE								
PHENOL								
3&4-METHYL PHENOL								
DIBENZOFURAN								
PENTACHLOROPHENOL								
CARBAZOLE								
DI-N-BUTYL PHTHALATE								
BIS(2-ETHYLHEXYL)PHTHALATE								
DI-N-OCTYL PHTHALATE								
2-FLUOROPHENOL								
PHENOL-D5								
NITROBENZENE-D5								
2-FLUOROBIPHENYL								
P-TERPHENYL-D14								
2,4,6-TRIBROMOPHENOL								
BENZOIC ACID	0.1460	0.1550	0.1640	0.1680	0.16	0.1480	0.1410	0.1310
File ID:	0318_016	0318_017	0318_018	0318_019	0318_020	0318_021	0318_022	0318_023

GC/MS INITIAL CALIBRATION DATA

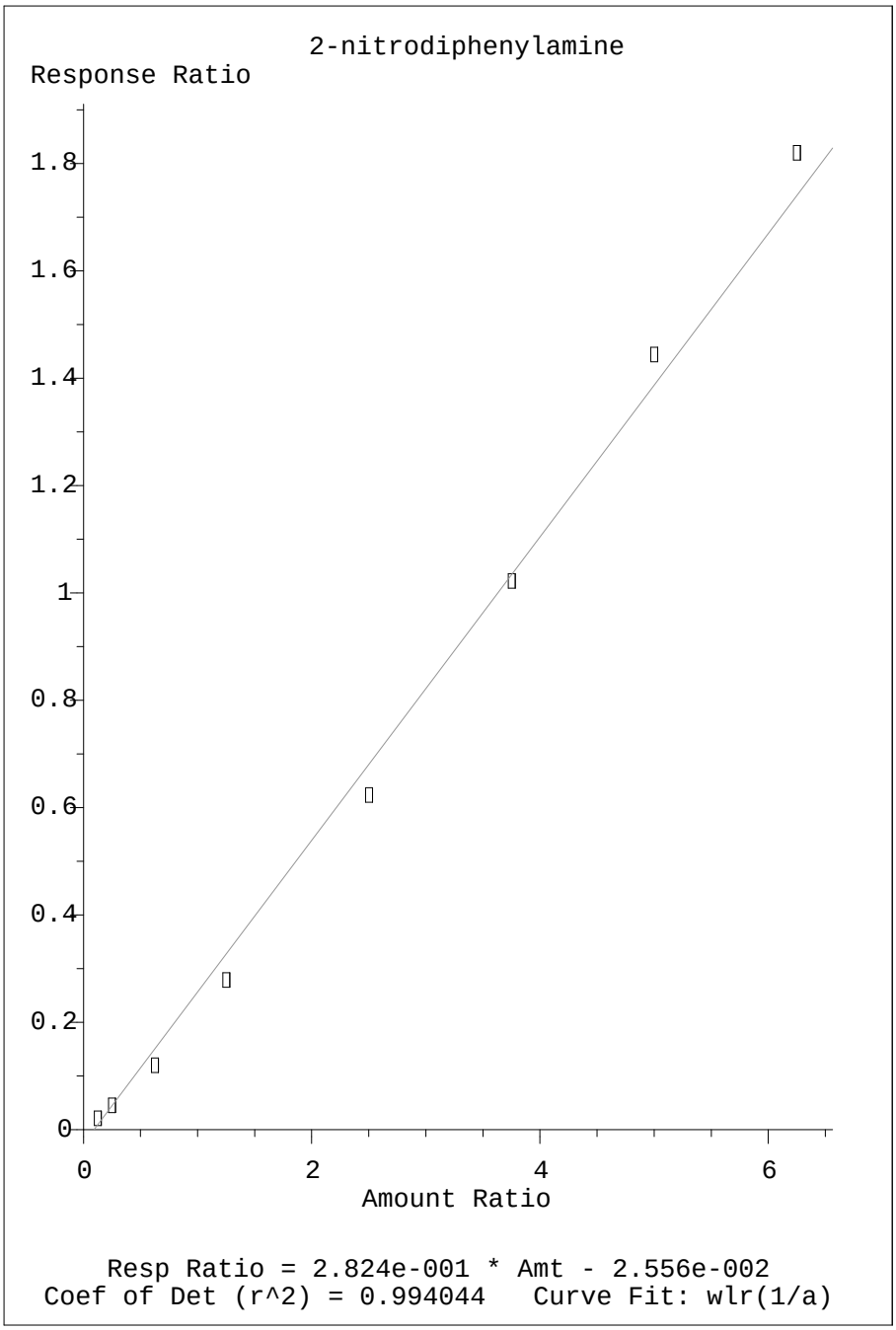
SDG: L1488631 **Analytical Method:** 8270E

Instrument ID: BNAMS33

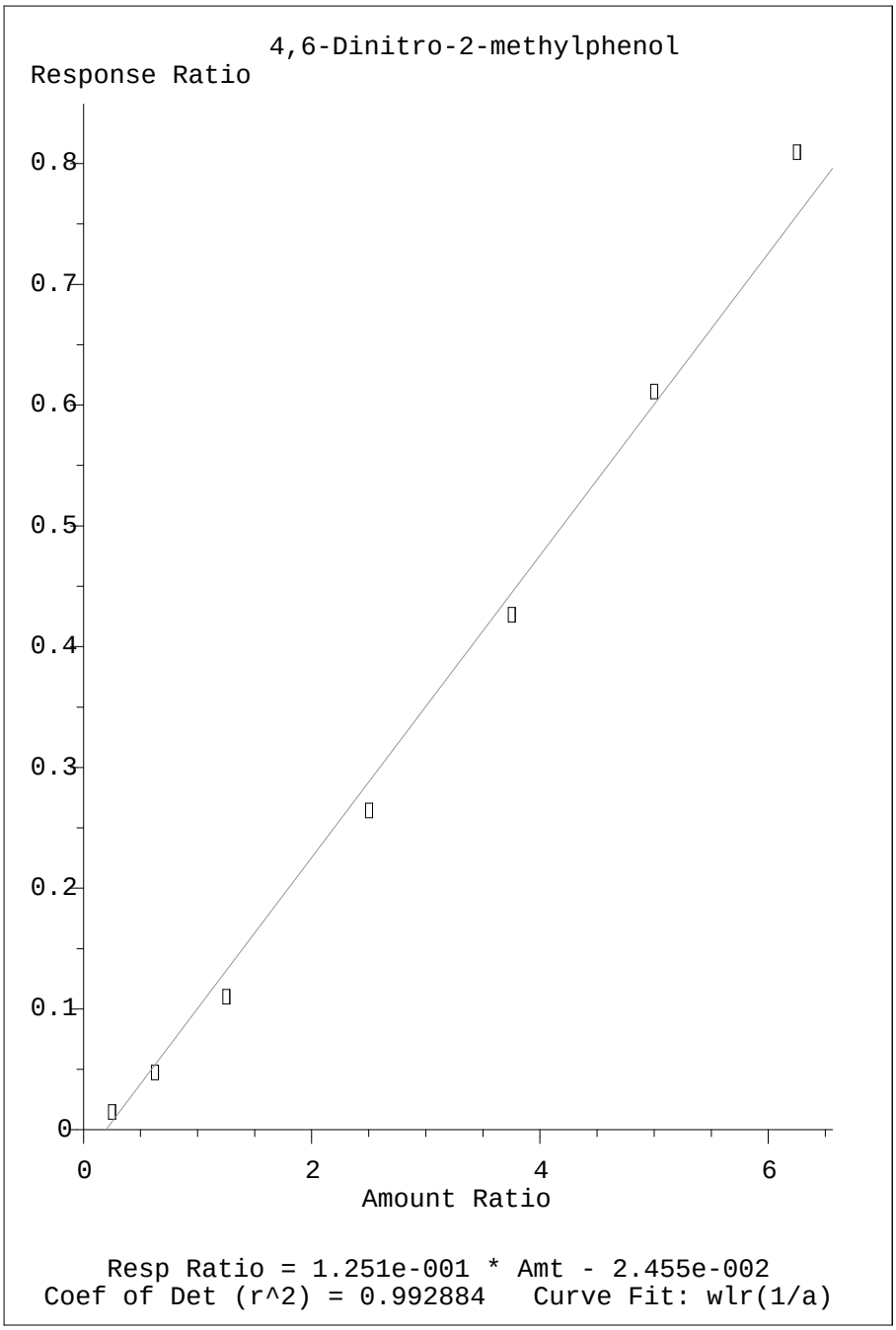
Analyte Analysis date/time	RRF. Avg	%RSD	COD
NAPHTHALENE	1.020046	5.19	
2-METHYLNAPHTHALENE	0.689979	3.17	
1-METHYLNAPHTHALENE	0.650153	2.06	
ACENAPHTHYLENE	1.748797	2.8	
ACENAPHTHENE	1.182364	2.02	
FLUORENE	1.381007	3.66	
PHENANTHRENE	1.073836	6.13	
ANTHRACENE	1.061563	3.18	
FLUORANTHENE	1.135933	4.6	
PYRENE	1.297608	5.13	
BENZO(A)ANTHRACENE	1.278651	16.23	1
CHRYSENE	1.176226	5.19	
BENZO(B)FLUORANTHENE	1.162737	6.05	
BENZO(K)FLUORANTHENE	1.167378	5.82	
BENZO(A)PYRENE	1.011749	7.52	
INDENO(1,2,3-CD)PYRENE	1.00115	9.85	
DIBENZ(A,H)ANTHRACENE	1.069078	10.78	
BENZO(G,H,I)PERYLENE	1.059556	6.4	
PHENOL	1.534228	4.47	
3&4-METHYL PHENOL	1.327309	2.89	
DIBENZOFURAN	1.637224	2.38	
PENTACHLOROPHENOL	0.111668	25.16	0.992
CARBAZOLE	0.985792	3.7	
DI-N-BUTYL PHTHALATE	1.167826	5.46	
BIS(2-ETHYLHEXYL)PHTHALATE	0.796163	10.09	
DI-N-OCTYL PHTHALATE	1.277284	14.94	
2-FLUOROPHENOL	1.198747	2.97	
PHENOL-D5	1.525585	4.02	
NITROBENZENE-D5	0.330762	3.53	
2-FLUOROBIPHENYL	1.339365	2.12	
P-TERPHENYL-D14	1.038484	3.1	
2,4,6-TRIBROMOPHENOL	0.103844	13.6	
BENZOIC ACID	0.151556	8.15	



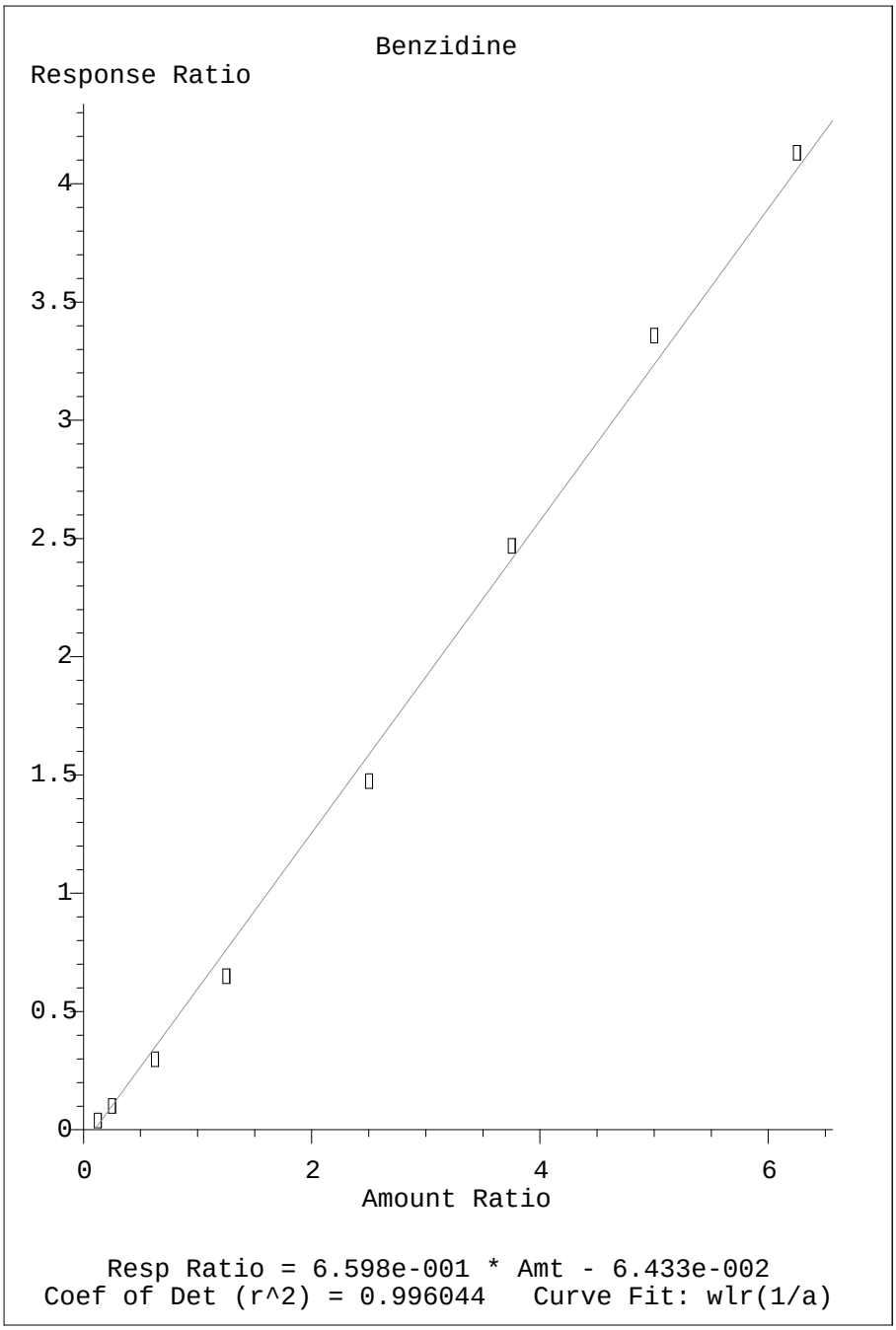
Method Name: C:\GCMS\1\methods\S833C18V.M



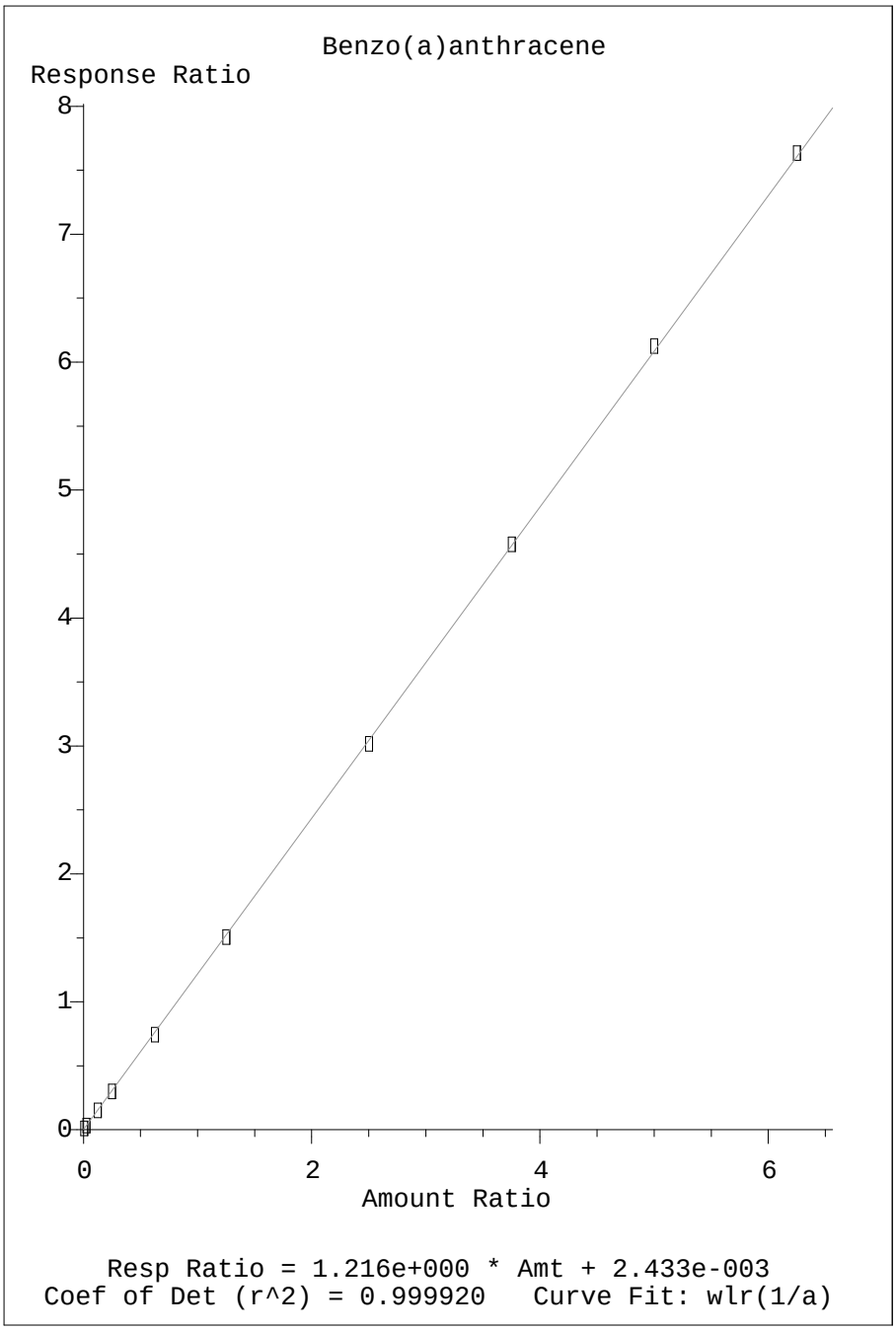
Method Name: C:\GCMS\1\methods\S833C18V.M



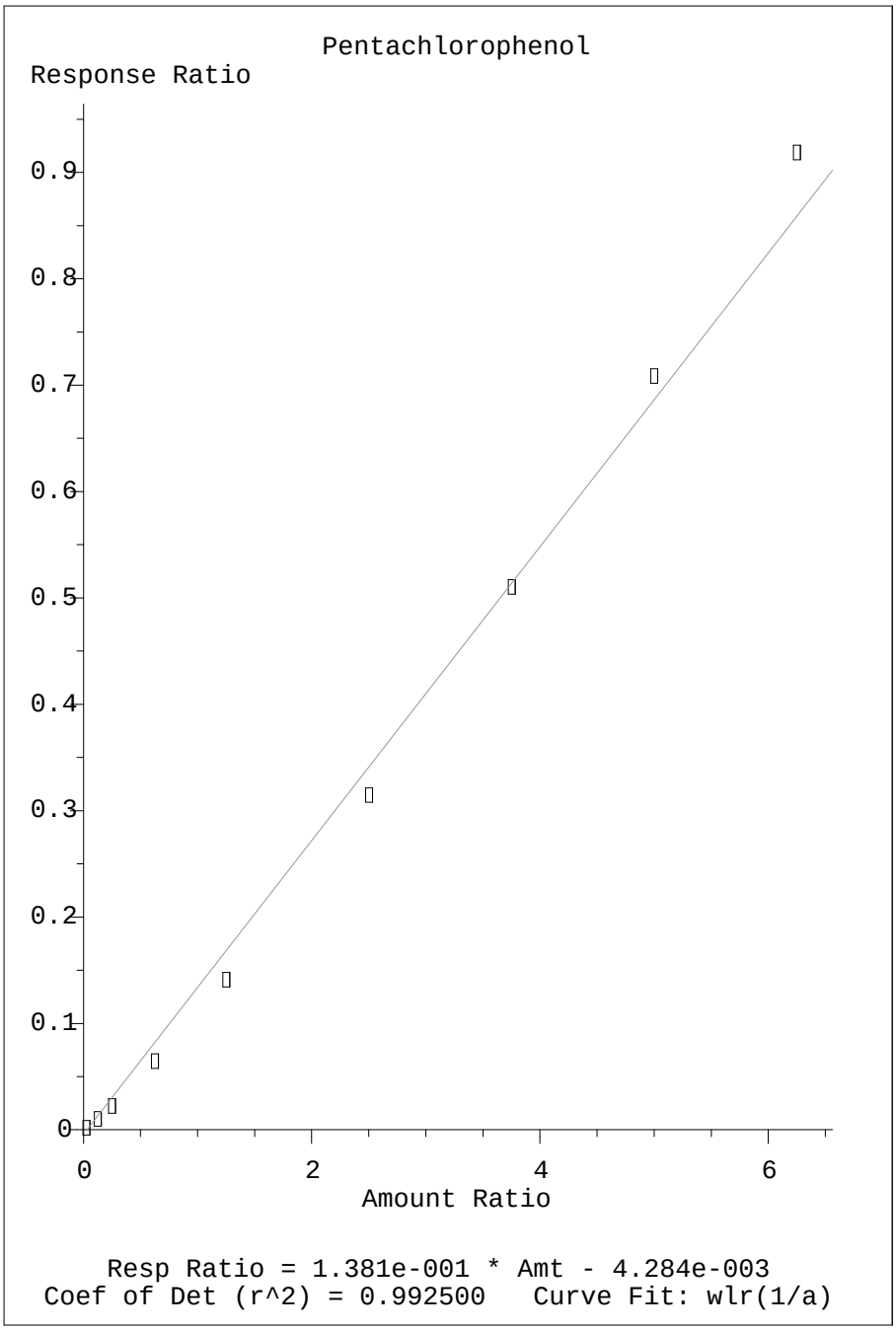
Method Name: C:\GCMS\1\methods\S833C18V.M



Method Name: C:\GCMS\1\methods\S833C18V.M



Method Name: C:\GCMS\1\methods\S833C18V.M



Method Name: C:\GCMS\1\methods\S833C18V.M

Response Factor Report BNAMS33

Method Path : C:\GCMS\1\methods\
Method File : S833C18V.M
Title : 8270 BNA
Last Update : Wed Mar 23 09:17:18 2022
Response Via : Initial Calibration

Calibration Files
40 =0318_006.D 200 =0318_007.D 1K =0318_008.D 2K =0318_009.D 5K =0318_010.D 10K =0318_011.D 20K =0318_012.D 30K =0318_013.D
40K =0318_014.D 50K =0318_015.D 1K1 =0318_016.D 2K1 =0318_017.D 5K1 =0318_018.D 10K1=0318_019.D 20K1=0318_020.D 30K1=0318_021.D
40K1=0318_022.D 50K1=0318_023.D

	Compound	40	200	1K	2K	5K	10K	20K	30K	40K	50K	1K1	2K1	5K1	10K1	20K1	30K1	40K1	50K1	Avg	%RSD
1)	I 1,4-Dichlorobenzen...	----------ISTD----------																			
2)	TM Pyridine	1.261	1.221	1.232	1.216	1.197	1.217	1.219	1.255	1.245										1.229	1.69
3)	MT N-Nitrosodimet...	0.514	0.562	0.574	0.536	0.531	0.514	0.526	0.529	0.516										0.534	3.96
4)	S 2-Fluorophenol	1.148	1.165	1.183	1.199	1.182	1.190	1.221	1.250	1.251										1.199	2.97
5)	MT Aniline	0.592	0.605	0.613	0.601	0.615	0.618	0.627	0.641	0.639										0.617	2.69
6)	MT bis(2-Chloroet...	1.227	1.247	1.221	1.240	1.133	1.200	1.214	1.241	1.161										1.209	3.20
7)	S Phenol-d5	1.444	1.469	1.502	1.492	1.501	1.523	1.566	1.619	1.613										1.526	4.02
8)	MC Phenol	1.400	1.501	1.533	1.510	1.511	1.535	1.571	1.629	1.618										1.534	4.47
9)	Benzaldehyde											0.330	0.326	0.313	0.317	0.324	0.328	0.335	0.352	0.328	3.71
10)	MT 2-Chlorophenol	1.222	1.274	1.297	1.292	1.331	1.391	1.441	1.476	1.442										1.352	6.57
11)	T n-Decane	0.574	0.604	0.588	0.566	0.559	0.539	0.520	0.502	0.468										0.547	7.96
12)	MT 1,3-Dichlorobe...	1.433	1.498	1.462	1.461	1.435	1.457	1.477	1.518	1.510										1.472	2.10
13)	MTC 1,4-Dichlorobe...	1.502	1.509	1.506	1.516	1.497	1.518	1.521	1.534	1.541										1.516	0.96
14)	MT Benzyl Alcohol	0.988	0.985	1.005	1.009	1.006	1.026	1.041	1.065	1.063										1.021	2.94
15)	MT 1,2-Dichlorobe...	1.400	1.412	1.410	1.416	1.392	1.418	1.425	1.462	1.443										1.420	1.51
16)	MT bis(2-Chlorois...	0.436	0.467	0.458	0.456	0.448	0.454	0.455	0.467	0.469										0.457	2.27

Method Path : C:\GCMS\1\methods\
Method File : S833C18V.M
Title : 8270 BNA
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```
17) MT  2,2-oxybis(1-c...       0.436 0.467 0.458 0.456 0.448 0.454 0.455 0.467 0.469
      0.457    2.27
18) MT  2-Methylphenol          1.078 1.137 1.144 1.155 1.156 1.183 1.188 1.209 1.218
      1.163    3.65
19) MT  Hexachloroethane        0.574 0.588 0.582 0.583 0.574 0.581 0.593 0.604 0.611
      0.588    2.16
20) MP  N-Nitrosodi-n-...       0.854 0.866 0.854 0.863 0.866 0.880 0.869 0.887 0.897
      0.871    1.68
21) MT  3&4-Methyl phenol       1.256 1.293 1.326 1.313 1.319 1.342 1.345 1.373 1.379
      1.327    2.89
22) MT  Acetophenone                                                    1.729 1.736 1.676 1.718 1.758 1.808 1.85
4 1.854 1.767    3.70

23) I   Naphthalene-d8        ----------------ISTD--------------------
24) S   Nitrobenzene-d5         0.315 0.319 0.319 0.325 0.334 0.339 0.344 0.334 0.347
      0.331    3.53
25) MT  Nitrobenzene            0.315 0.316 0.316 0.324 0.329 0.334 0.335 0.340 0.345
      0.328    3.42
26) MT  Isophorone              0.604 0.622 0.624 0.627 0.632 0.639 0.633 0.637 0.640
      0.629    1.78
27) MCT 2-Nitrophenol           0.138 0.139 0.147 0.158 0.171 0.185 0.193 0.199 0.204
      0.170   15.21
28) MT  2,4-Dimethylph...       0.312 0.335 0.333 0.333 0.344 0.354 0.360 0.365 0.371
      0.345    5.48
29) MT  bis(2-Chloreth...       0.381 0.397 0.384 0.385 0.384 0.393 0.385 0.392 0.400
      0.389    1.68
30) MCT 2,4-Dichloroph...       0.260 0.275 0.274 0.277 0.286 0.294 0.299 0.304 0.312
      0.287    5.83
31) MT  Benzoic Acid                                                    0.146 0.155 0.164 0.168 0.160 0.148 0.14
1 0.131 0.152    8.15
32) MT  1,2,4-Trichlor...       0.310 0.328 0.317 0.318 0.323 0.328 0.329 0.340 0.341
      0.326    3.19
33) MT  alpha-terpineol                                                 0.229 0.223 0.206 0.192 0.170
      0.204   11.66
34) MT  Naphthalene       1.152 1.063 1.020 1.018 1.002 1.006 1.002 0.991 0.974 0.973
      1.020    5.19
35) MT  4-Chloroaniline         0.107 0.108 0.103 0.107 0.107 0.111 0.109 0.112 0.111
      0.108    2.59
36) MCT Hexachloro-1,3...       0.201 0.186 0.181 0.181 0.185 0.190 0.193 0.194 0.199
      0.190    3.86
37)     Hydroquinone                                                    0.330 0.338 0.328 0.317 0.280 0.247 0.22
      0.295   15.13
38) MT  Quinoline                                                       0.659 0.647 0.618 0.571 0.502 0.447
      0.574   14.75
39) MT  Caprolactam                                                     0.103 0.106 0.106 0.098 0.086 0.077
```


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0.096 12.30

Response Factor Report BNAMS33

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Method File : S833C18V.M
Title : 8270 BNA
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40) MCT 4-Chloro-3-met... 0.248 0.261 0.264 0.275 0.281 0.293 0.294 0.304 0.314
0.281 7.65
41) MT 2-Methylnaphth... 0.739 0.654 0.683 0.672 0.680 0.690 0.701 0.691 0.694 0.695
0.690 3.17
42) MT 1-Methylnaphth... 0.665 0.623 0.658 0.641 0.638 0.645 0.654 0.660 0.664 0.654
0.650 2.06
43) MT 1,2,4,5-Tetrac... 0.326 0.315 0.294 0.272 0.243 0.222
0.279 14.60
44) Diphenyl Ether 0.451 0.432 0.409 0.384 0.342 0.308
0.388 14.09
45) Diphenyl Oxide 0.451 0.432 0.409 0.384 0.342 0.308
0.388 14.09

46) I Acenaphthene-d10 ----------ISTD----------
47) MPT Hexachlorocycl... 0.348 0.374 0.374 0.390 0.402 0.427 0.435 0.461 0.467
0.408 10.08
48) MCT 2,4,6-Trichlor... 0.303 0.311 0.317 0.336 0.343 0.366 0.390 0.405 0.405
0.353 11.40
49) MT 2,4,5-Trichlor... 0.313 0.339 0.347 0.365 0.380 0.407 0.403 0.417 0.432
0.378 10.57
50) S 2-Fluorobiphenyl 1.304 1.341 1.310 1.312 1.325 1.377 1.365 1.376 1.345
1.339 2.12
51) MT Biphenyl 1.439 1.487 1.433 1.453 1.467 1.517 1.505 1.512 1.445
1.473 2.24
52) MT 2-Chloronaphth... 1.107 1.082 1.149 1.095 1.098 1.108 1.138 1.155 1.189 1.178
1.130 3.29
53) MT 2-Nitroaniline 0.296 0.312 0.339 0.364 0.390 0.401 0.417 0.420
0.367 12.97
54) MT Acenaphthylene 1.813 1.630 1.756 1.729 1.735 1.759 1.779 1.767 1.784 1.736
1.749 2.80
55) MT Dimethyl phtha... 1.279 1.345 1.291 1.296 1.295 1.322 1.304 1.328 1.335
1.310 1.73
56) MT 2,6-Dinitrotol... 0.209 0.250 0.265 0.284 0.291 0.308 0.312 0.321 0.332
0.286 13.64
57) MT 3-Nitroaniline 0.240 0.281 0.295 0.318 0.326 0.340 0.344 0.358 0.356
0.318 12.36
58) MCT Acenaphthene 1.210 1.149 1.182 1.165 1.148 1.170 1.205 1.199 1.211 1.186
1.182 2.02
59) MPT 2,4-Dinitrophenol 0.071 0.097 0.118 0.142 0.158 0.171 0.178
0.134 29.96
60) MT Dibenzofuran 1.552 1.683 1.638 1.618 1.614 1.659 1.646 1.669 1.655
1.637 2.38
61) MT 2,4-Dinitrotol... 0.290 0.319 0.357 0.382 0.403 0.416 0.445
0.373 14.71

Method Path : C:\GCMS\1\methods\
Method File : S833C18V.M
Title : 8270 BNA
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 62) T   2,3,4,6-Tetrac...                                                    0.259 0.261 0.264 0.280 0.295 0.307 0.32
0.338 0.291   10.49
 63) MPT 4-Nitrophenol                 0.193 0.217 0.234 0.248 0.265 0.274 0.285 0.288
      0.251   13.55
 64) MT  Fluorene          1.351 1.291 1.357 1.332 1.369 1.391 1.447 1.430 1.439 1.404
      1.381    3.66
 65) MT  4-Chlorophenyl...       0.638 0.661 0.636 0.646 0.661 0.688 0.706 0.706 0.698
      0.671    4.27
 66) MT  Diethyl phthalate       1.245 1.297 1.272 1.254 1.285 1.329 1.322 1.345 1.357
      1.300    3.07
 67) MT  4-Nitroaniline          0.235 0.289 0.311 0.354 0.363 0.369 0.372 0.386 0.391
      0.341   15.34
 68) MT  Azobenzene              1.233 1.327 1.274 1.279 1.279 1.295 1.286 1.283 1.275
      1.281    1.91
 69) MT  Atrazine                                                             0.368 0.367 0.374 0.385 0.398 0.421 0.43
0 0.425 0.396    6.61

 70) I   Phenanthrene-d10      ----------------ISTD--------------------
 71) MT  4,6-Dinitro-2-...                   0.058 0.076 0.088 0.106 0.114 0.122 0.129
      0.099   26.21
 72) MCT N-Nitrosodiphe...       0.556 0.591 0.600 0.619 0.619 0.647 0.637 0.646 0.642
      0.618    4.96
 73) S   2,4,6-Tribromo...                   0.082 0.093 0.097 0.105 0.111 0.118 0.121
      0.104   13.60
 74) MT  4-Bromophenyl-...       0.182 0.201 0.196 0.199 0.201 0.213 0.221 0.226 0.231
      0.208    7.72
 75) MT  Hexachlorobenzene       0.210 0.224 0.216 0.220 0.222 0.235 0.246 0.246 0.248
      0.230    6.25
 76) T   n-octadecane            0.080 0.089 0.084 0.088 0.090 0.092 0.090 0.087 0.088
      0.088    4.21
 77) MCT Pentachlorophenol       0.069 0.080 0.089 0.103 0.113 0.126 0.136 0.142 0.147
      0.112   25.16#
 78) MT  Phenanthrene      1.254 1.070 1.038 1.048 1.049 1.040 1.082 1.063 1.069 1.024
      1.074    6.13
 79) MT  Anthracene        1.100 1.002 1.039 1.043 1.060 1.053 1.105 1.097 1.082 1.036
      1.062    3.18
 80) MT  Carbazole               0.907 0.973 0.969 0.991 0.978 1.020 1.024 1.021 0.990
      0.986    3.70
 81) MT  Di-n-butyl pht...       1.035 1.118 1.138 1.170 1.187 1.236 1.238 1.201 1.187
      1.168    5.46
 82) MT  2-nitrodipheny...                                                    0.168 0.181 0.192 0.223 0.249 0.273 0.28
0.291 0.233   21.19
 83) MCT Fluoranthene      1.220 1.043 1.089 1.085 1.134 1.124 1.170 1.176 1.170 1.148
      1.136    4.60
```


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94) I Chrysene-d12 ----------ISTD----------
95) MT Benzidine 0.311 0.398 0.477 0.519 0.590 0.658 0.67
0.661 0.536 24.96
96) MT Pyrene 1.482 1.266 1.276 1.265 1.271 1.299 1.302 1.292 1.269 1.256
1.298 5.13
87) S p-Terphenyl-d14 0.967 1.021 1.027 1.034 1.056 1.075 1.064 1.053 1.049
1.038 3.10
88) MT Benzylbutyl ph... 0.455 0.505 0.515 0.551 0.572 0.591 0.598 0.607 0.617
0.557 9.86
89) MT 3,3-Dichlorobe... 0.407 0.411 0.420 0.433 0.458 0.480 0.49
3 0.499 0.450 8.31
90) MT Benzo(a)anthra... 1.867 1.255 1.209 1.191 1.188 1.204 1.206 1.220 1.225 1.221
1.279 16.23
91) MT Chrysene 1.348 1.146 1.169 1.147 1.156 1.143 1.161 1.166 1.166 1.160
1.176 5.19
92) MT bis(2-Ethylhex... 0.653 0.718 0.739 0.779 0.804 0.846 0.865 0.866 0.894
0.796 10.09
93) MC Di-n-octyl pht... 0.897 1.095 1.168 1.275 1.329 1.406 1.417 1.439 1.468
1.277 14.94

94) I Perylene-d12 ----------ISTD----------
95) MT Benzo(b)fluora... 1.092 1.064 1.082 1.139 1.148 1.154 1.225 1.235 1.240 1.248
1.163 6.05
96) MT Benzo(k)fluora... 1.098 1.037 1.118 1.139 1.176 1.188 1.218 1.220 1.240 1.240
1.167 5.82
97) MC Benzo(a)pyrene 0.970 0.860 0.950 0.969 1.014 1.019 1.069 1.075 1.093 1.099
1.012 7.52
98) MT Indeno(1,2,3-c... 0.927 0.849 0.907 0.940 0.992 0.993 1.054 1.077 1.107 1.164
1.001 9.85
99) MT Dibenz(a,h)ant... 0.881 0.932 0.992 1.021 1.054 1.079 1.126 1.184 1.197 1.224
1.069 10.78
100) MT Benzo(g,h,i)pe... 0.977 0.961 1.002 1.015 1.061 1.065 1.117 1.127 1.130 1.142
1.060 6.40

(#) = Out of Range

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Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_006.D
Acq On : 18 Mar 2022 04:44 pm
Operator : 917
Sample : STD SVMS 40 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 22 16:34:52 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:34:40 2022
Response via : Initial Calibration

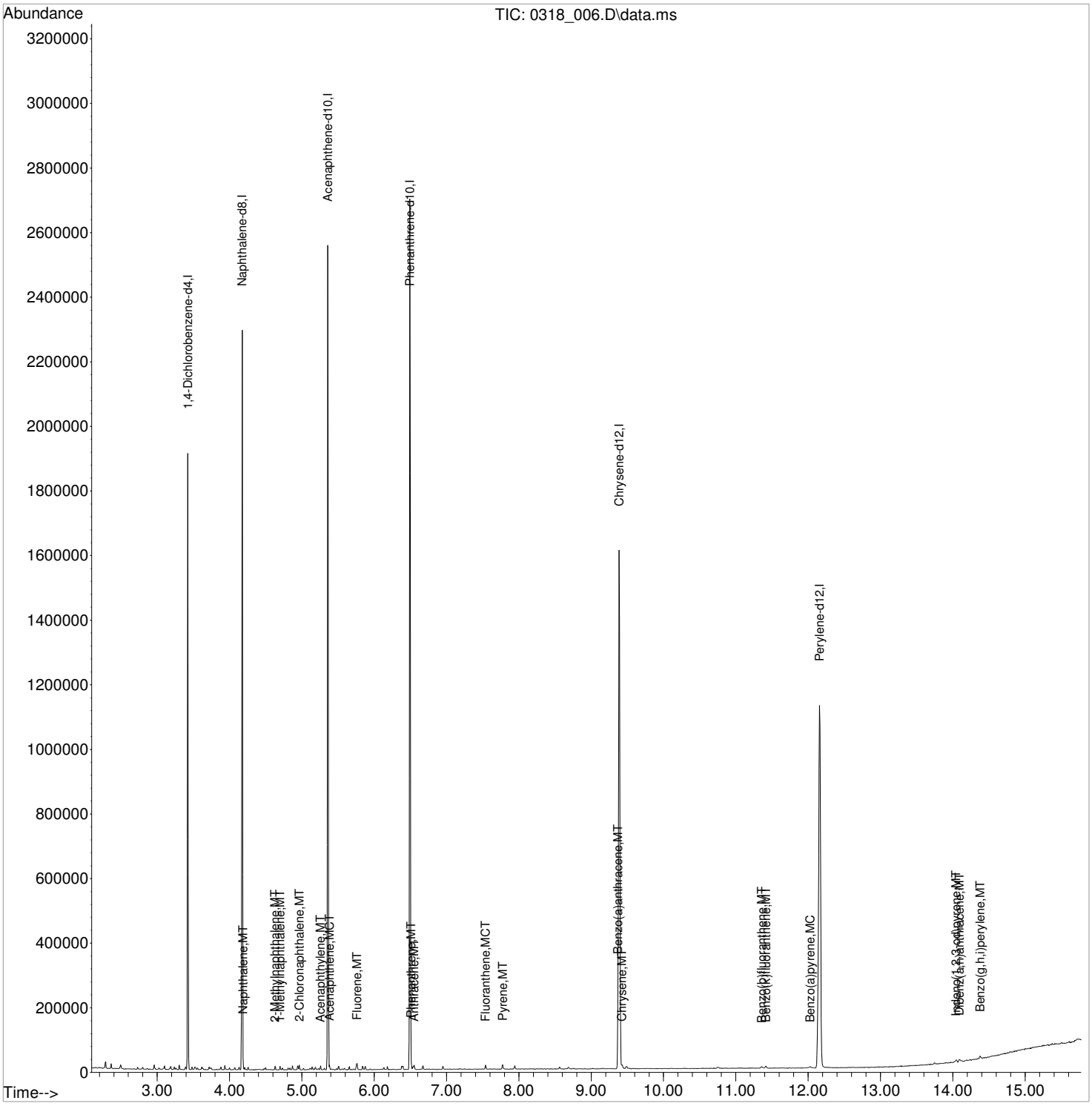
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.422	152	196040	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.175	136	741843	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.358	164	434963	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.493	188	809466	8000.0000000	ppb	0.00
84) Chrysene-d12	9.387	240	733751	8000.0000000	ppb	0.00
94) Perylene-d12	12.157	264	732247	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb	
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#		
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb	
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0d	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#		
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb	
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
34) Naphthalene	4.187	128	4272	45.8020326	ppb	95
41) 2-Methylnaphthalene	4.628	142	2741	42.8271567	ppb	94
42) 1-Methylnaphthalene	4.699	142	2465	41.1870018	ppb	99
52) 2-Chloronaphthalene	4.964	162	2408	39.9842090	ppb	96
54) Acenaphthylene	5.258	152	3942	41.2223055	ppb	97
58) Acenaphthene	5.381	153	2631	41.3565662	ppb	93
64) Fluorene	5.764	166	2938	38.8570208	ppb	98
78) Phenanthrene	6.511	178	5077	48.2623263	ppb	95
79) Anthracene	6.552	178	4451	41.7846686	ppb	98
83) Fluoranthene	7.540	202	4936	43.4074711	ppb	96
86) Pyrene	7.775	202	5436	45.6270022	ppb	97
90) Benzo(a)anthracene	9.369	228	6849	62.0073512	ppb	86
91) Chrysene	9.428	228	4946	47.1614738	ppb	94
95) Benzo(b)fluoranthene	11.357	252	3997m	37.8430590	ppb	
96) Benzo(k)fluoranthene	11.416	252	4021m	36.9856133	ppb	
97) Benzo(a)pyrene	12.028	252	3550	38.0435145	ppb	97
98) Indeno(1,2,3-cd)pyrene	14.045	276	3395	37.3375679	ppb	97
99) Dibenz(a,h)anthracene	14.092	278	3226	32.6547772	ppb	88
100) Benzo(g,h,i)perylene	14.381	276	3577	36.7084548	ppb	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_006.D
Acq On : 18 Mar 2022 04:44 pm
Operator : 917
Sample : STD SVMS 40 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 3 Sample Multiplier: 1

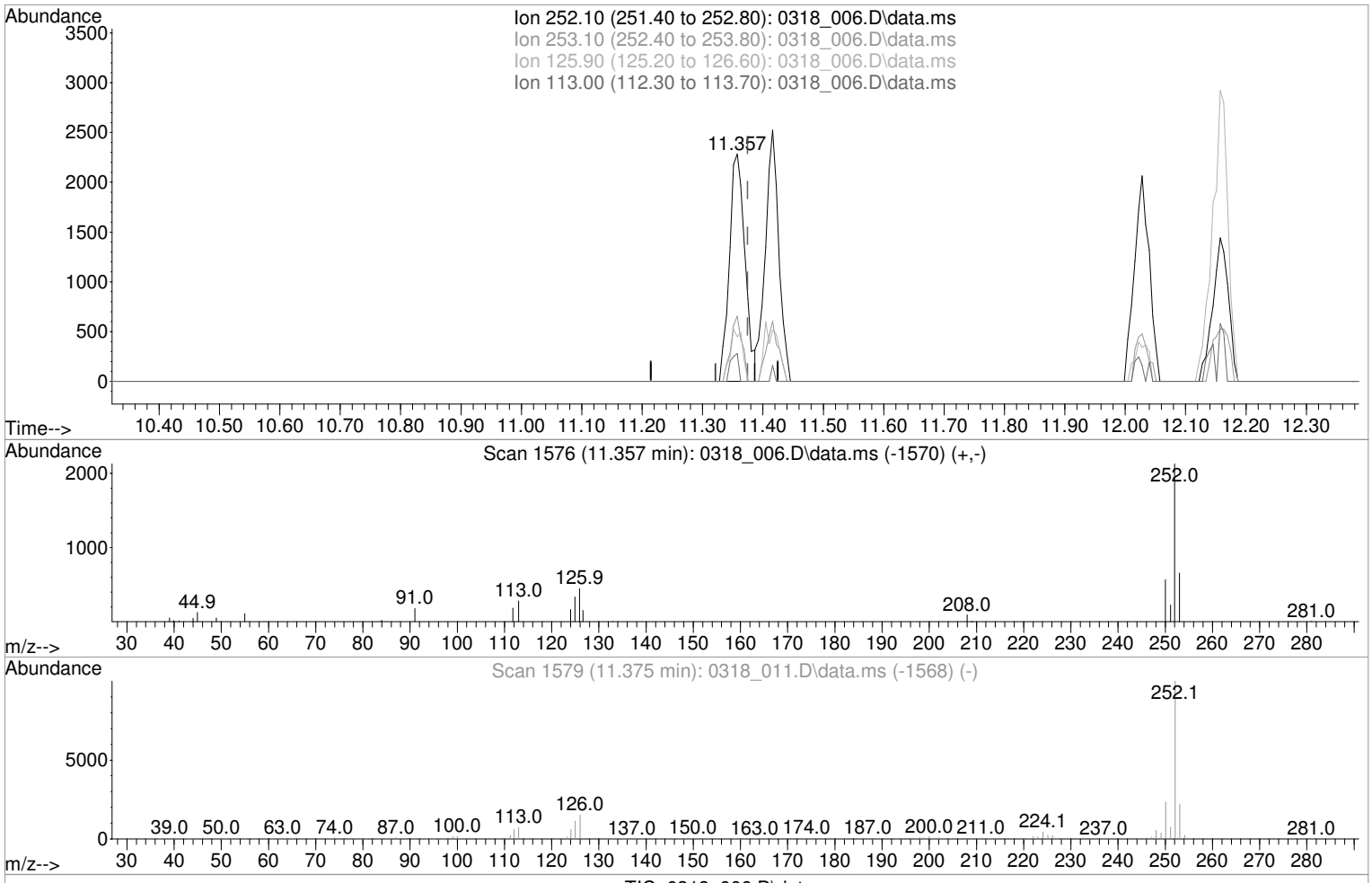
Quant Time: Mar 22 16:34:52 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:34:40 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_006.D
Acq On : 18 Mar 2022 04:44 pm
Operator : 917
Sample : STD SVMS 40 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 22 16:34:52 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:34:40 2022
Response via : Initial Calibration



TIC: 0318_006.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.357min (-0.018) 38.8939920 ppb

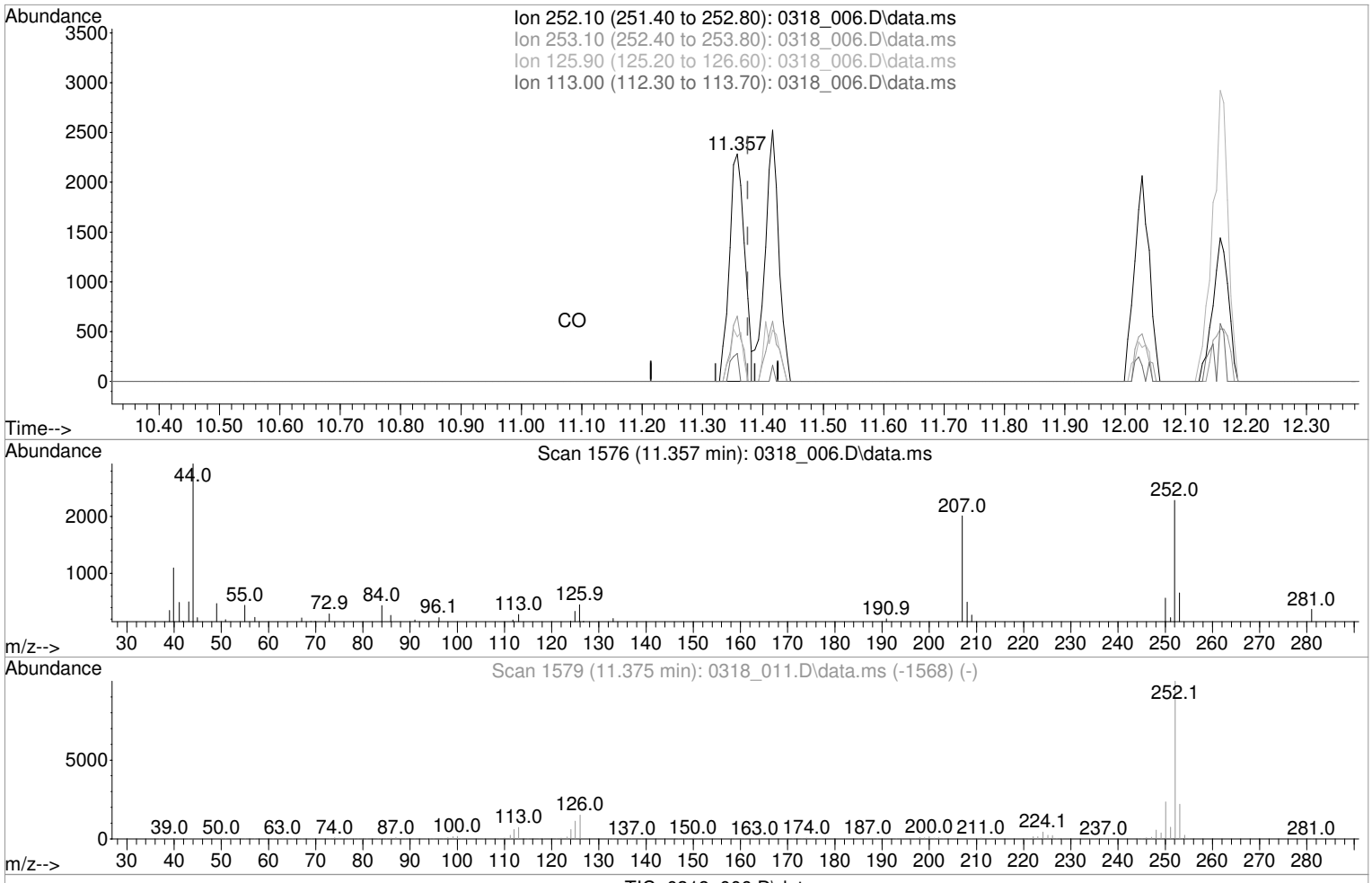
Qvalue = 77

response 4108

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.00	30.89
125.90	15.10	28.30
113.00	7.20	13.21

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_006.D
Acq On : 18 Mar 2022 04:44 pm
Operator : 917
Sample : STD SVMS 40 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 22 16:34:52 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:34:40 2022
Response via : Initial Calibration



TIC: 0318_006.D\data.ms

(95) Benzo(b)fluoranthene (MT)

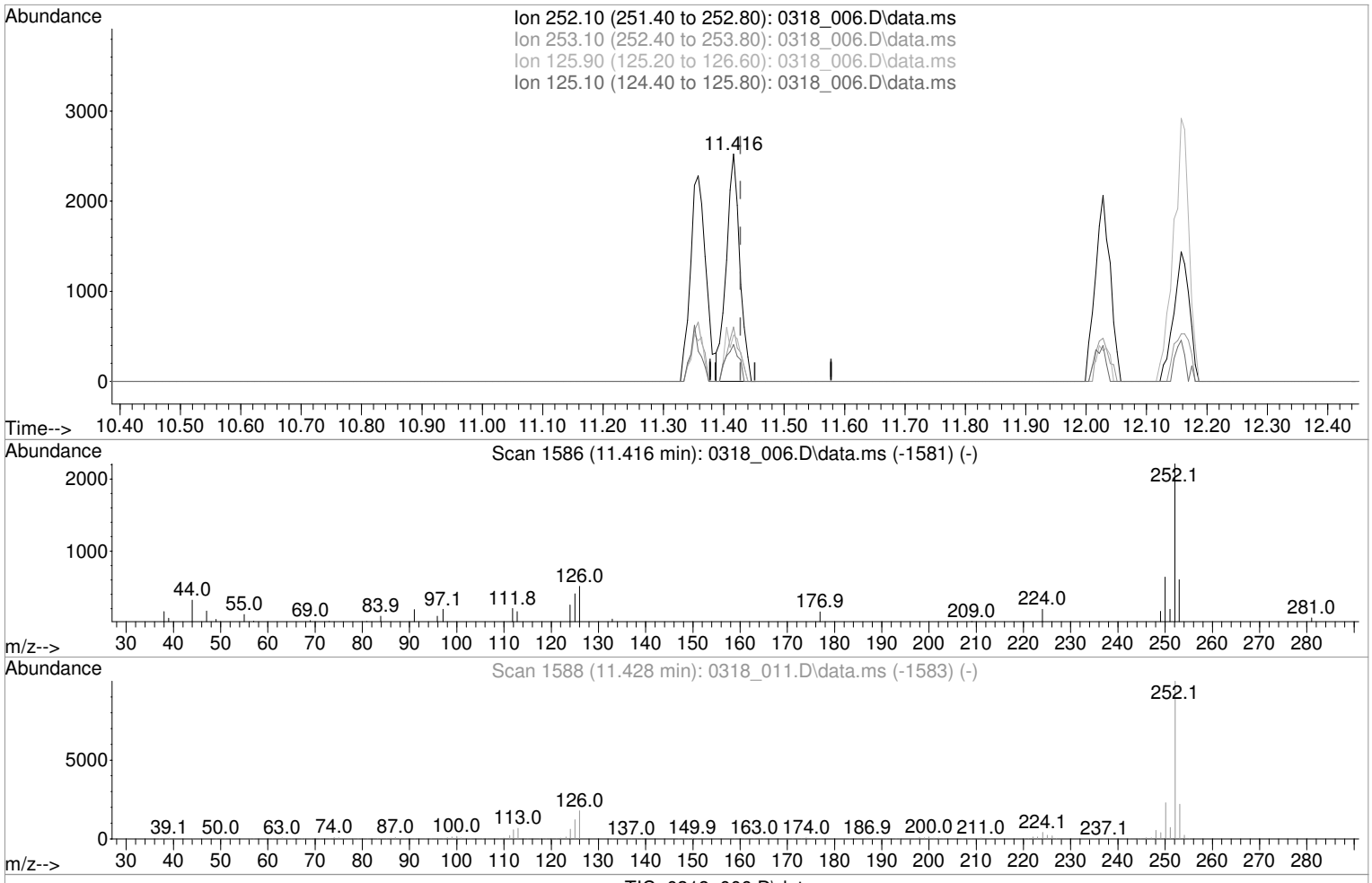
11.357min (-0.018) 37.8430590 ppb m

response 3997

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.00	28.77
125.90	15.10	19.66
113.00	7.20	12.30

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_006.D
Acq On : 18 Mar 2022 04:44 pm
Operator : 917
Sample : STD SVMS 40 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 22 16:34:52 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:34:40 2022
Response via : Initial Calibration



TIC: 0318_006.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.416min (-0.012) 35.9646227 ppb

Qvalue = 94

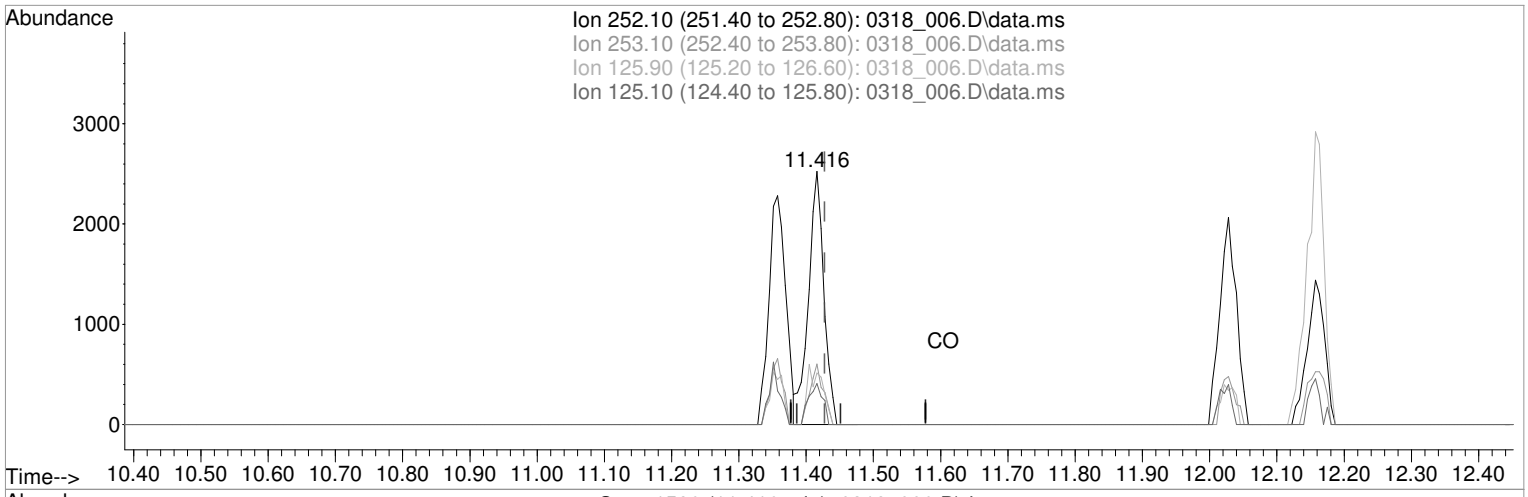
response 3910

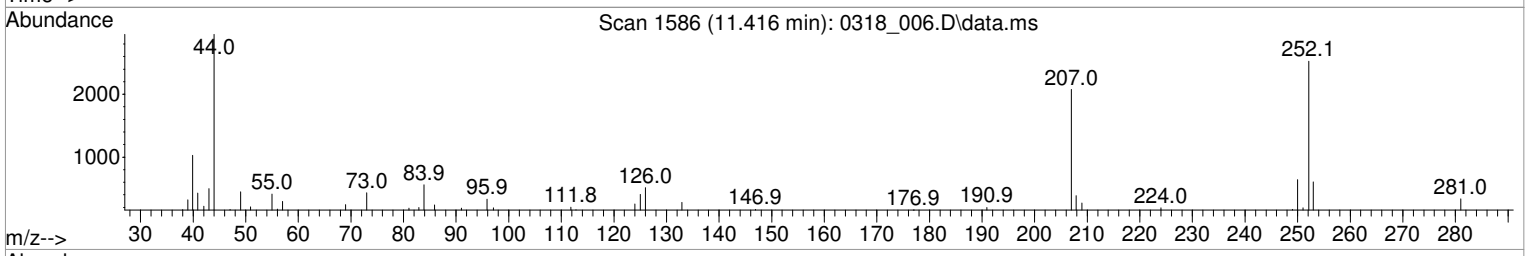
Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.10	23.88
125.90	17.80	20.32
125.10	12.20	16.16

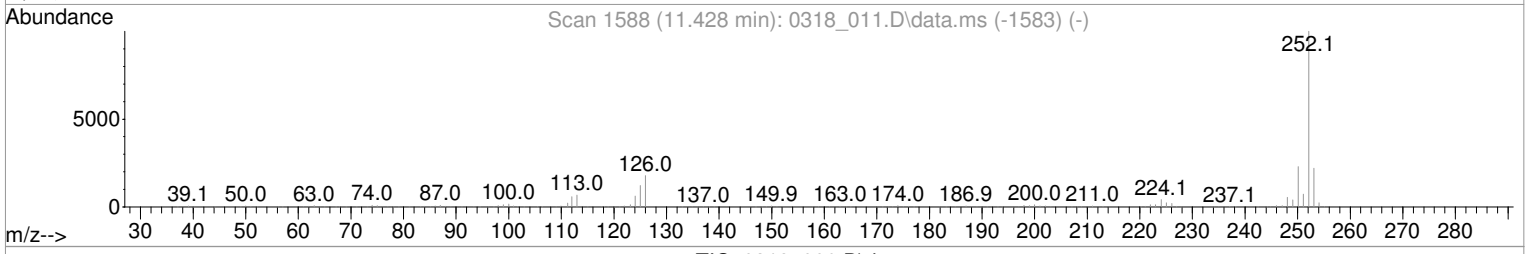
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_006.D
Acq On : 18 Mar 2022 04:44 pm
Operator : 917
Sample : STD SVMS 40 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 22 16:34:52 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:34:40 2022
Response via : Initial Calibration







TIC: 0318_006.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.416min (-0.012) 36.9856133 ppb m

response 4021

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.10	23.88
125.90	17.80	20.32
125.10	12.20	16.16

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 16:41:46 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:41:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.423	152	193919	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.175	136	732020	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.358	164	429637	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.493	188	825397	8000.0000000	ppb	0.00
84) Chrysene-d12	9.387	240	735251	8000.0000000	ppb	0.00
94) Perylene-d12	12.157	264	722498	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.728	112	5567	194.3797718	ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 4.86%#			
7) Phenol-d5	3.181	99	7002	192.3948011	ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 4.81%#			
24) Nitrobenzene-d5	3.734	82	5766m	188.8981874	ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 9.44%#			
50) 2-Fluorobiphenyl	4.870	172	14001	196.7335172	ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 9.84%#			
73) 2,4,6-Tribromophenol	5.946	330	1457	145.2321669	ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 3.63%#			
87) p-Terphenyl-d14	7.946	244	17767	183.0766140	ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 9.15%#			
Target Compounds						Qvalue
2) Pyridine	2.181	79	6114	210.6805306	ppb	95
3) N-Nitrosodimethylamine	2.146	42	2493m	193.7720117	ppb	
5) Aniline	3.234	66	2869	192.5074957	ppb	89
6) bis(2-Chloroethyl)ether	3.258	93	5949	216.5620313	ppb	98
8) Phenol	3.187	94	6786	185.2826675	ppb	92
10) 2-Chlorophenol	3.305	128	5922	183.5537167	ppb	98
11) n-Decane	3.305	41	2784m	205.6200598	ppb	
12) 1,3-Dichlorobenzene	3.393	146	6945	199.6852735	ppb	97
13) 1,4-Dichlorobenzene	3.434	146	7284	200.7237005	ppb	94
14) Benzyl Alcohol	3.481	79	4789	196.3876632	ppb	97
15) 1,2-Dichlorobenzene	3.523	146	6788	201.1605984	ppb	95
16) bis(2-Chloroisopropyl)...	3.558	121	2116	194.7444730	ppb	99
17) 2,2-oxybis(1-chloropro...	3.558	121	2116	194.7444730	ppb	99
18) 2-Methylphenol	3.534	108	5228	186.5252114	ppb	97
19) Hexachloroethane	3.717	117	2782	199.7942568	ppb	94
20) N-Nitrosodi-n-propylamine	3.628	70	4142	197.3330430	ppb	98
21) 3&4-Methyl phenol	3.617	107	6090	190.4565789	ppb	96
25) Nitrobenzene	3.746	77	5765	191.4524645	ppb	98
26) Isophorone	3.881	82	11055	191.0318005	ppb	93
27) 2-Nitrophenol	3.934	139	2521	161.4417369	ppb	87
28) 2,4-Dimethylphenol	3.934	107	5713	181.2657857	ppb	96
29) bis(2-Chlorethoxy)methane	3.999	93	6976	198.3891881	ppb	94
30) 2,4-Dichlorophenol	4.075	162	4758	181.6909002	ppb	92
32) 1,2,4-Trichlorobenzene	4.134	180	5666	191.9663563	ppb	98
34) Naphthalene	4.187	128	19450	197.0400822	ppb	99
35) 4-Chloroaniline	4.205	65	1953	198.9902233	ppb	95
36) Hexachloro-1,3-butadiene	4.258	225	3670	216.5299287	ppb	95

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 4 Sample Multiplier: 1

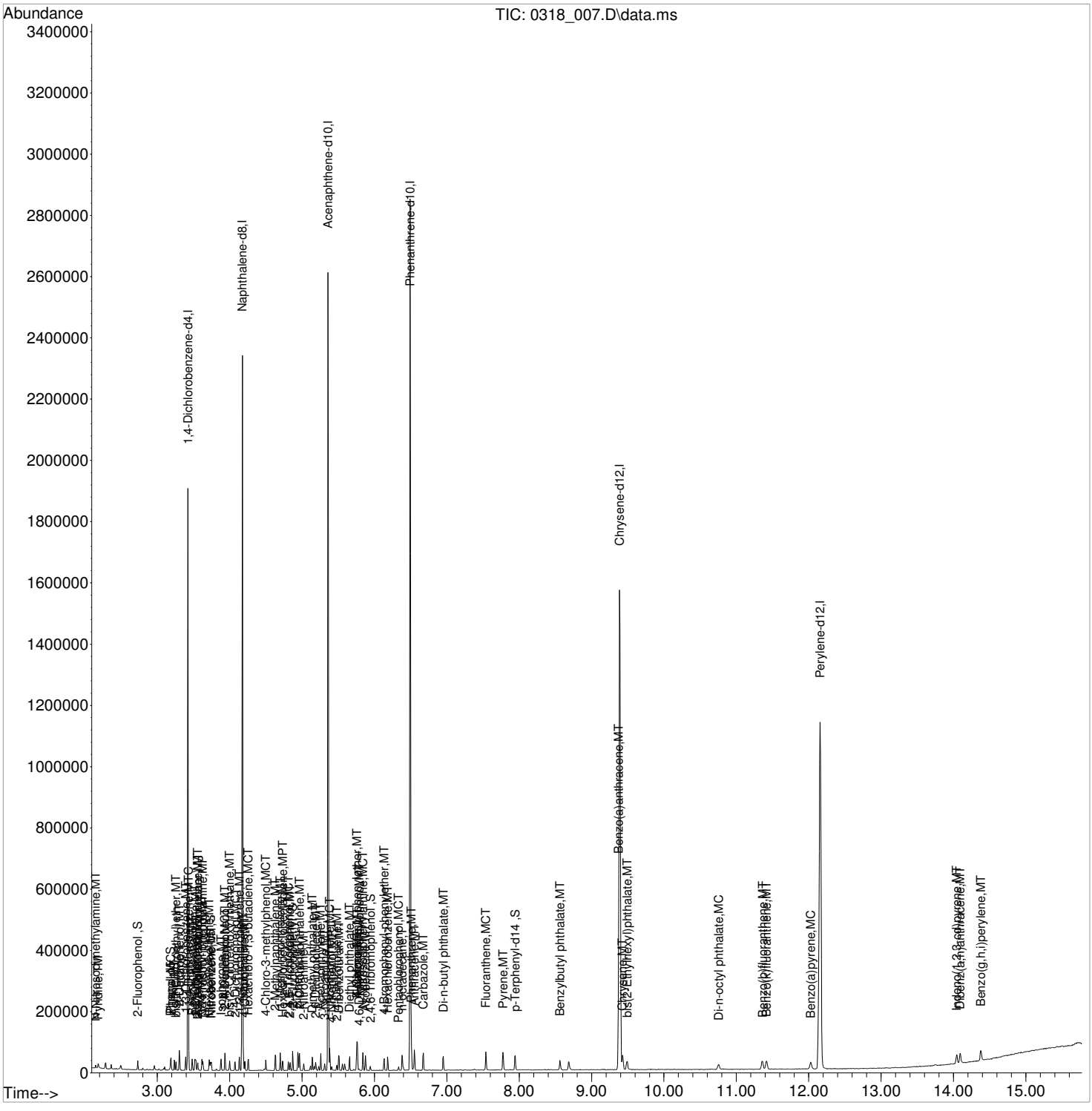
Quant Time: Mar 22 16:41:46 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:41:43 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40)	4-Chloro-3-methylphenol	4.499	107	4545	176.6526103 ppb		97
41)	2-Methylnaphthalene	4.628	142	11977	183.1743025 ppb		98
42)	1-Methylnaphthalene	4.699	142	11393	190.0964000 ppb		99
47)	Hexachlorocyclopentadiene	4.734	237	3742	173.3932784 ppb		97
48)	2,4,6-Trichlorophenol	4.811	196	3250	176.4025736 ppb		97
49)	2,4,5-Trichlorophenol	4.834	196	3358	164.5179733 ppb		95
51)	Biphenyl	4.940	154	15452	196.1812682 ppb		98
52)	2-Chloronaphthalene	4.964	162	11621	195.3943045 ppb		97
53)	2-Nitroaniline	5.022	138	2872	146.9479883 ppb		89
54)	Acenaphthylene	5.258	152	17507	182.5545676 ppb		99
55)	Dimethyl phthalate	5.140	163	13738	197.5533436 ppb		97
56)	2,6-Dinitrotoluene	5.187	165	2250	144.0347418 ppb		81
57)	3-Nitroaniline	5.311	138	2575	147.0456846 ppb		95
58)	Acenaphthene	5.381	153	12341	193.1176613 ppb		96
60)	Dibenzofuran	5.511	168	16674	192.3364618 ppb		99
61)	2,4-Dinitrotoluene	5.481	165	2463	120.2061224 ppb		96
63)	4-Nitrophenol	5.411	139	1746	131.1201935 ppb		91
64)	Fluorene	5.764	166	13863	188.3107848 ppb		99
65)	4-Chlorophenyl-phenyle...	5.758	204	6850	192.9966876 ppb		96
66)	Diethyl phthalate	5.658	149	13368	193.6911556 ppb		98
67)	4-Nitroaniline	5.764	138	2520	129.2187343 ppb		90
68)	Azobenzene	5.875	77	13239	192.7688518 ppb		98
71)	4,6-Dinitro-2-methylph...	5.787	198	625	68.8344565 ppb	#	68
72)	N-Nitrosodiphenylamine	5.840	169	11463	179.3795820 ppb		97
74)	4-Bromophenyl-phenylether	6.134	248	3748	181.1023245 ppb		96
75)	Hexachlorobenzene	6.181	284	4343	190.0066121 ppb		93
76)	n-octadecane	6.381	55	1644m	176.7449785 ppb		
77)	Pentachlorophenol	6.334	266	1433	123.2737381 ppb		87
78)	Phenanthrene	6.511	178	22089	186.6497818 ppb		98
79)	Anthracene	6.552	178	20670	186.1459789 ppb		98
80)	Carbazole	6.675	167	18718	185.5732419 ppb		99
81)	Di-n-butyl phthalate	6.952	149	21354	174.3717492 ppb		98
83)	Fluoranthene	7.540	202	21520	178.0132626 ppb		100
86)	Pyrene	7.775	202	23264	182.0619568 ppb		99
88)	Benzylbutyl phthalate	8.563	149	8365	159.1323942 ppb		96
90)	Benzo(a)anthracene	9.375	228	23060	163.3980673 ppb		94
91)	Chrysene	9.428	228	21059	183.9287016 ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.493	149	12011	162.5659612 ppb		99
93)	Di-n-octyl phthalate	10.757	149	16486	134.9644585 ppb		98
95)	Benzo(b)fluoranthene	11.363	252	19213	189.4690658 ppb		96
96)	Benzo(k)fluoranthene	11.416	252	18729	181.4323418 ppb		95
97)	Benzo(a)pyrene	12.028	252	15532	172.9234055 ppb		96
98)	Indeno(1,2,3-cd)pyrene	14.045	276	15335	176.8114785 ppb		100
99)	Dibenz(a,h)anthracene	14.093	278	16832	190.1362167 ppb		98
100)	Benzo(g,h,i)perylene	14.381	276	17354	188.2411039 ppb		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 16:41:46 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:41:43 2022
Response via : Initial Calibration



Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
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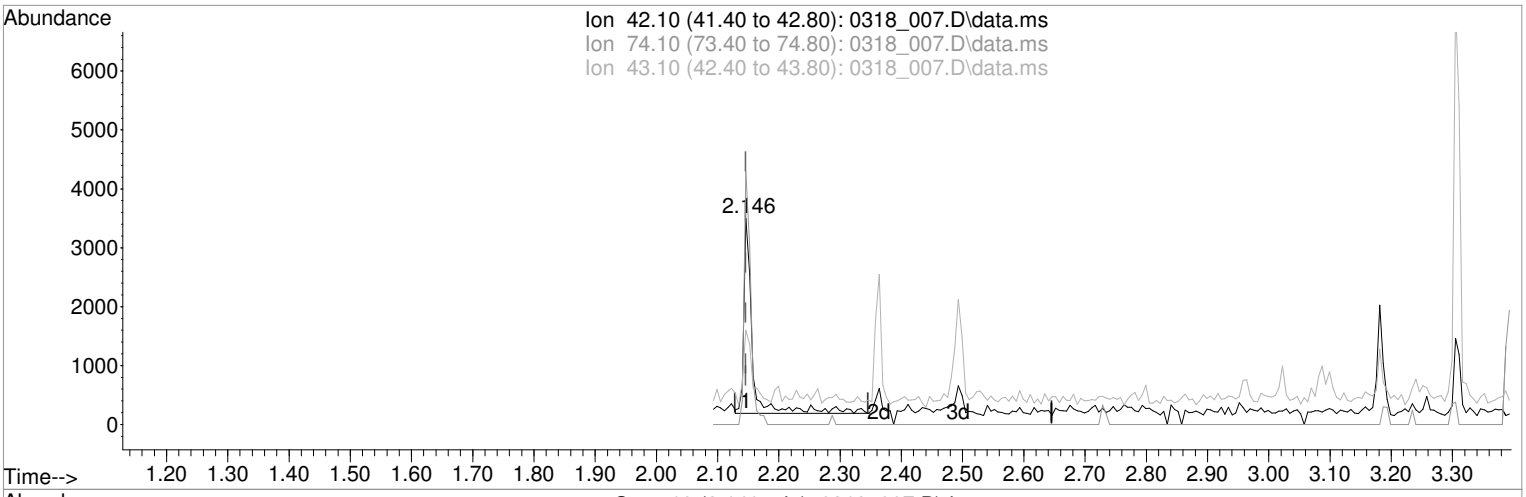
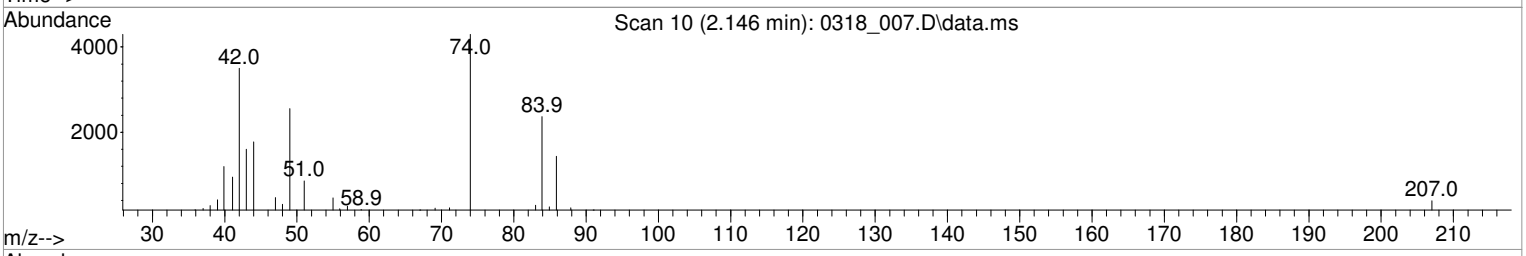
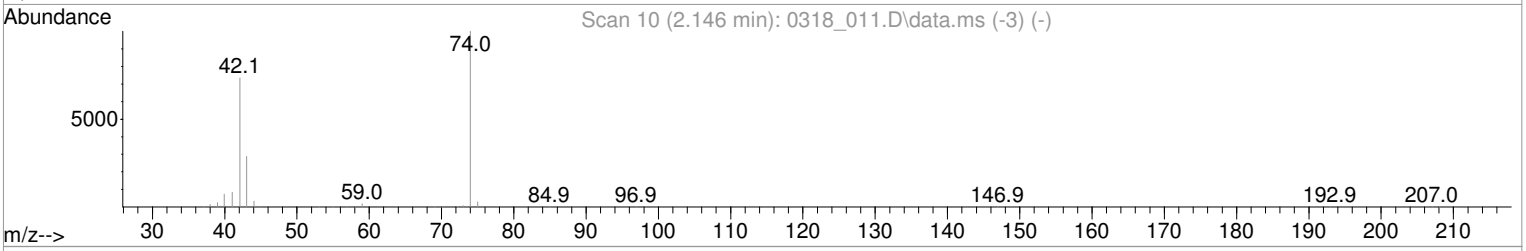
Quant Time: Mar 22 16:41:46 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:41:43 2022
Response via : Initial Calibration







TIC: 0318_007.D\data.ms

(3) N-Nitrosodimethylamine (MT)

2.146min (+ 0.000) 253.4659166 ppb

Qvalue = 77

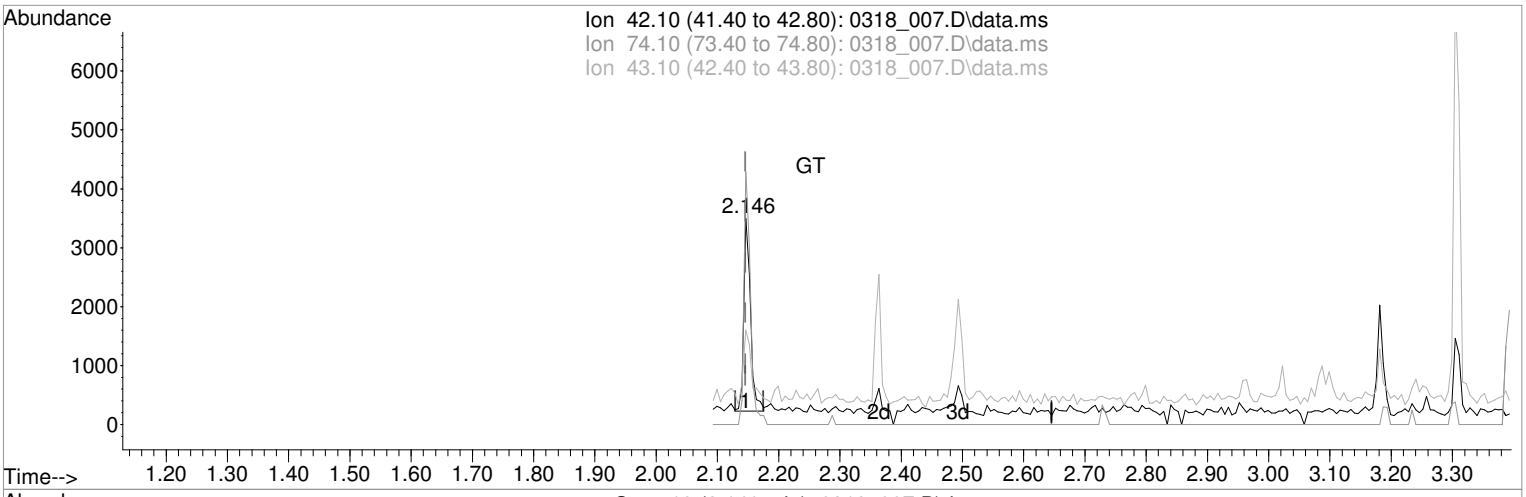
response 3261

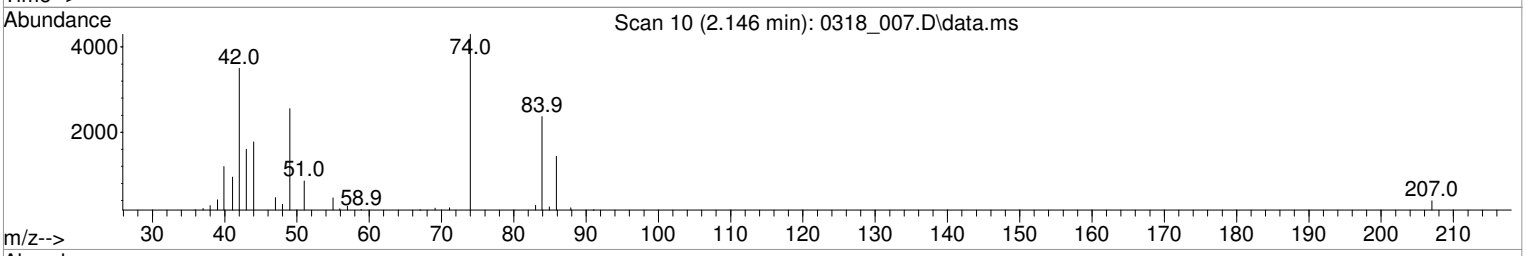
Ion	Exp%	Act%
42.10	100.00	100.00
74.10	131.80	97.15#
43.10	39.70	40.05
0.00	0.00	0.00

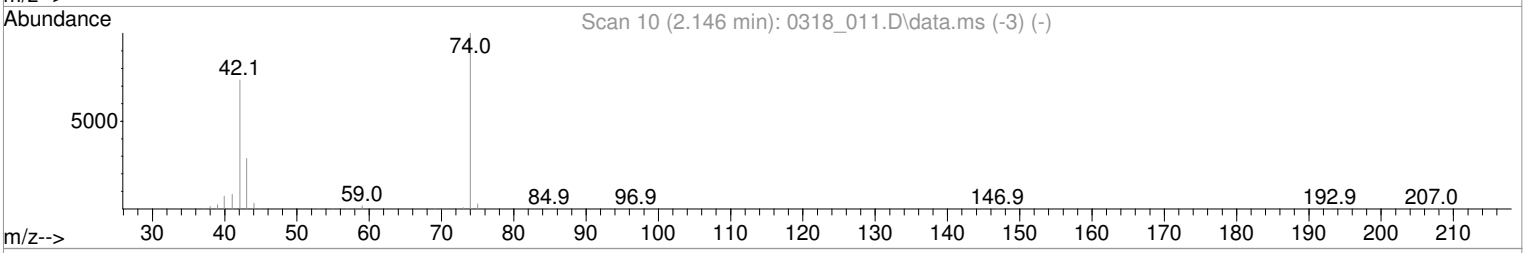
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 16:41:46 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:41:43 2022
Response via : Initial Calibration







TIC: 0318_007.D\data.ms

(3) N-Nitrosodimethylamine (MT)

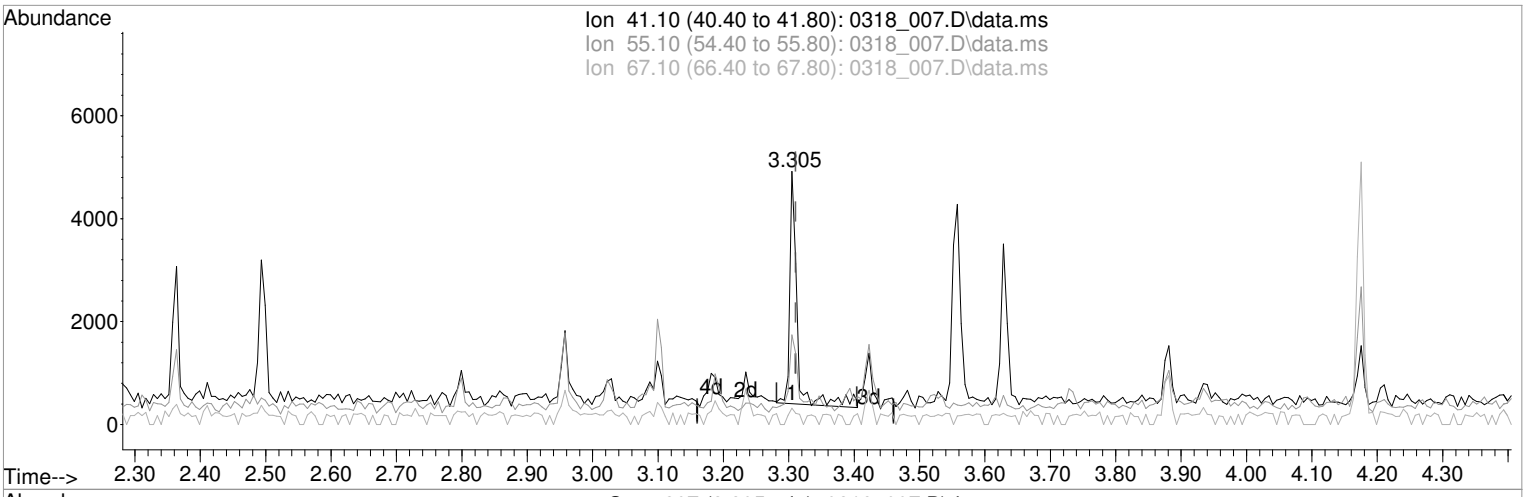
2.146min (+ 0.000) 193.7720117 ppb m

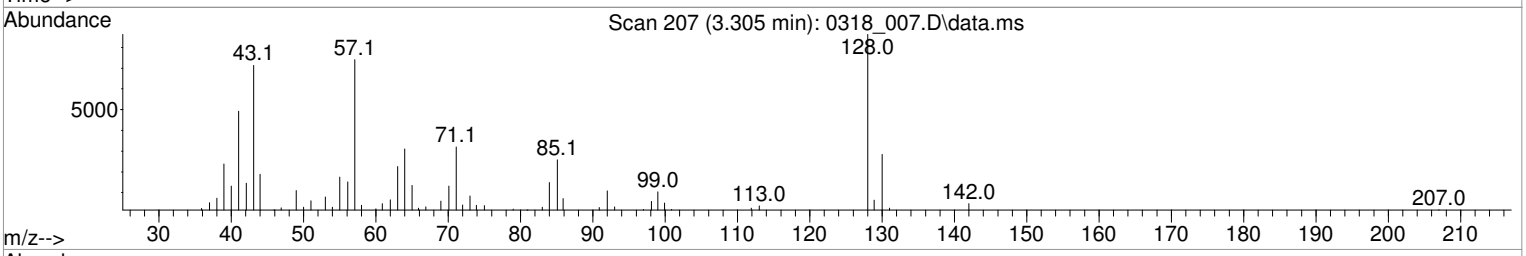
response 2493

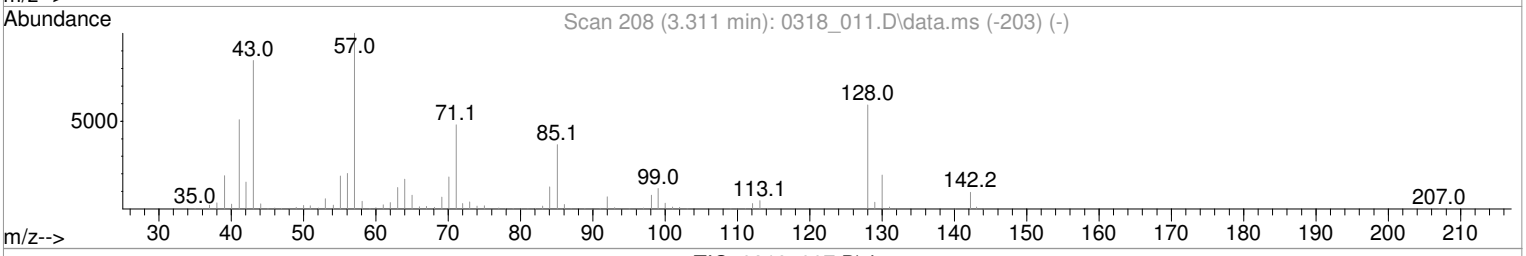
Ion	Exp%	Act%
42.10	100.00	100.00
74.10	131.80	127.08
43.10	39.70	52.39
0.00	0.00	0.00

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 16:41:46 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:41:43 2022
Response via : Initial Calibration







TIC: 0318_007.D\data.ms

(11) n-Decane (T)

3.305min (-0.006) 262.2689772 ppb

Qvalue = 75

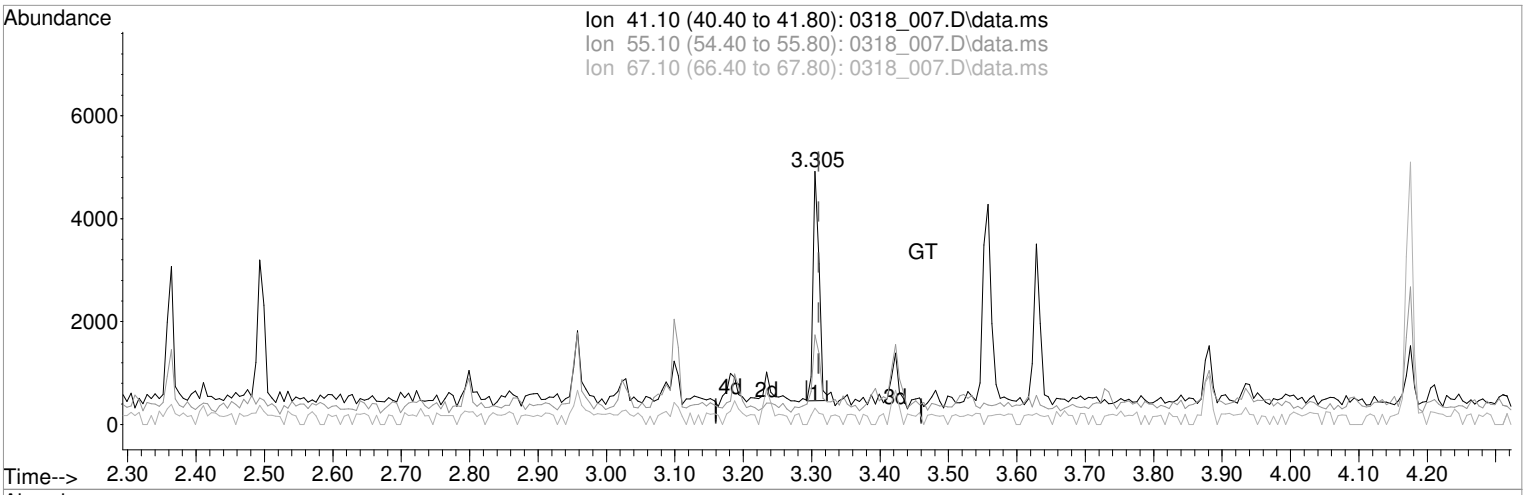
response 3551

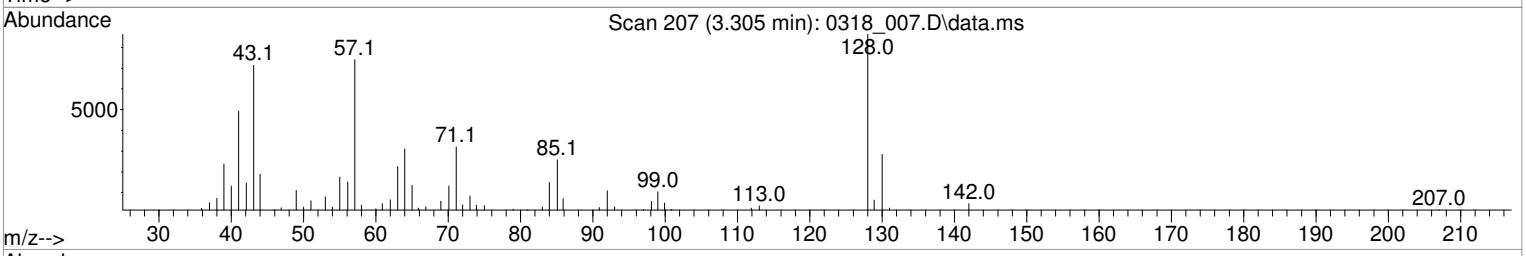
Ion	Exp%	Act%
41.10	100.00	100.00
55.10	36.60	51.99#
67.10	3.80	9.07#
0.00	0.00	0.00

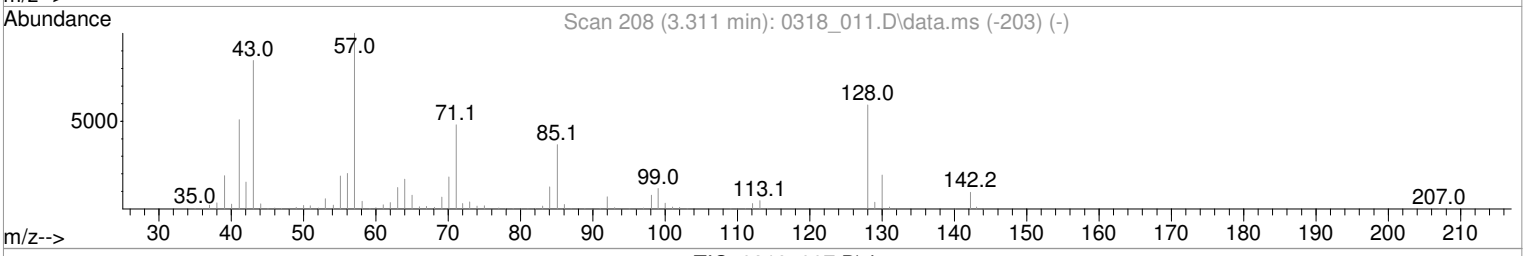
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 16:41:46 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:41:43 2022
Response via : Initial Calibration







TIC: 0318_007.D\data.ms

(11) n-Decane (T)

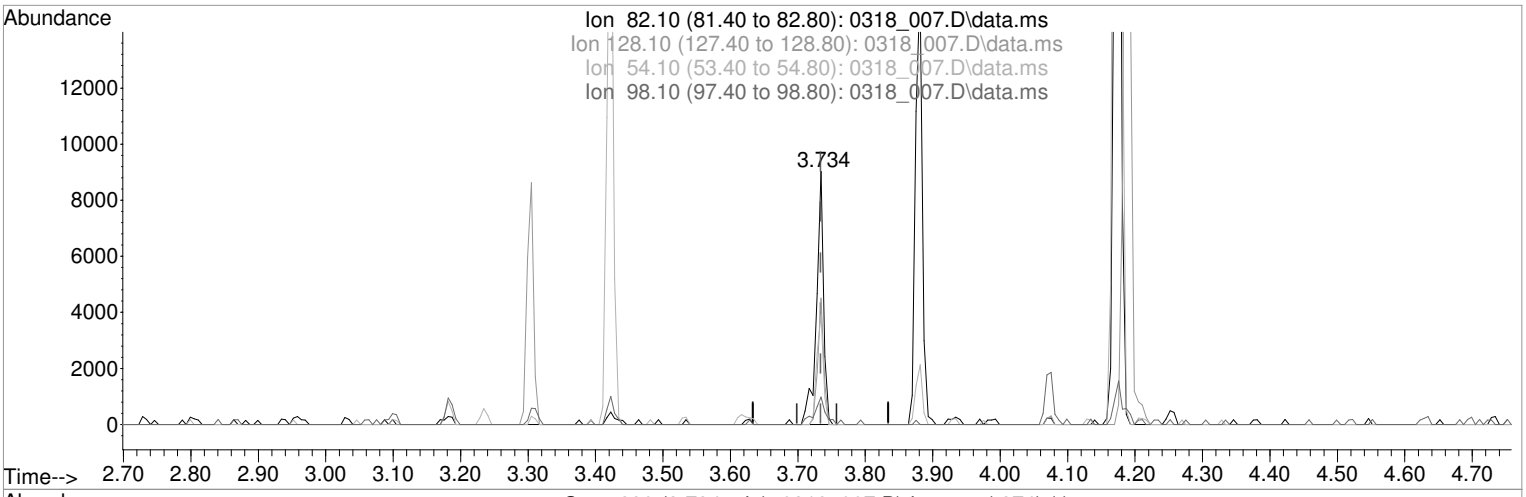
3.305min (-0.006) 205.6200598 ppb m

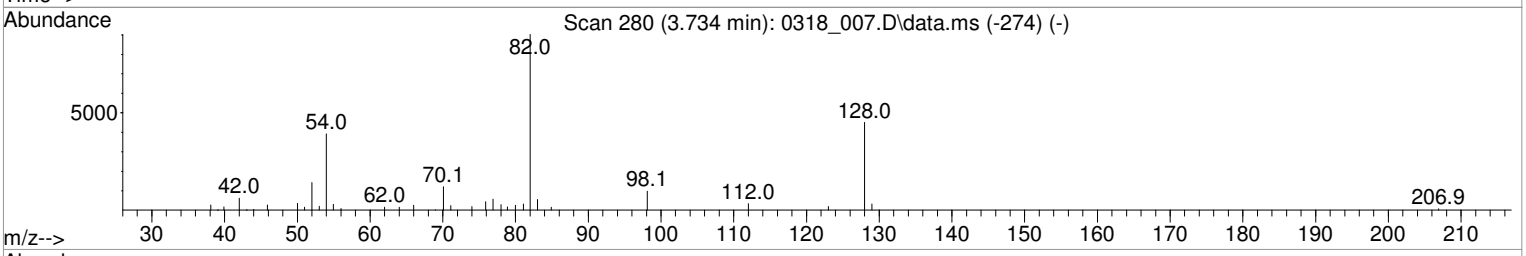
response 2784

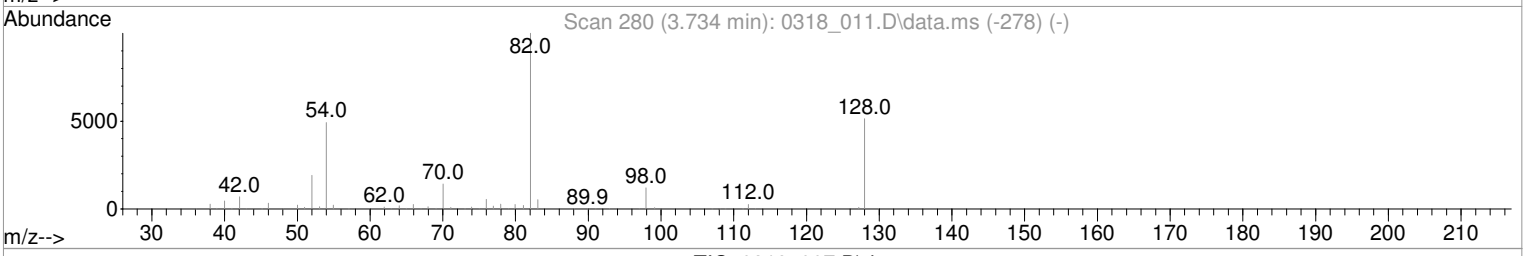
Ion	Exp%	Act%
41.10	100.00	100.00
55.10	36.60	66.31#
67.10	3.80	11.57#
0.00	0.00	0.00

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 16:41:46 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:41:43 2022
Response via : Initial Calibration







TIC: 0318_007.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (+ 0.000) 221.4295610 ppb

Qvalue = 96

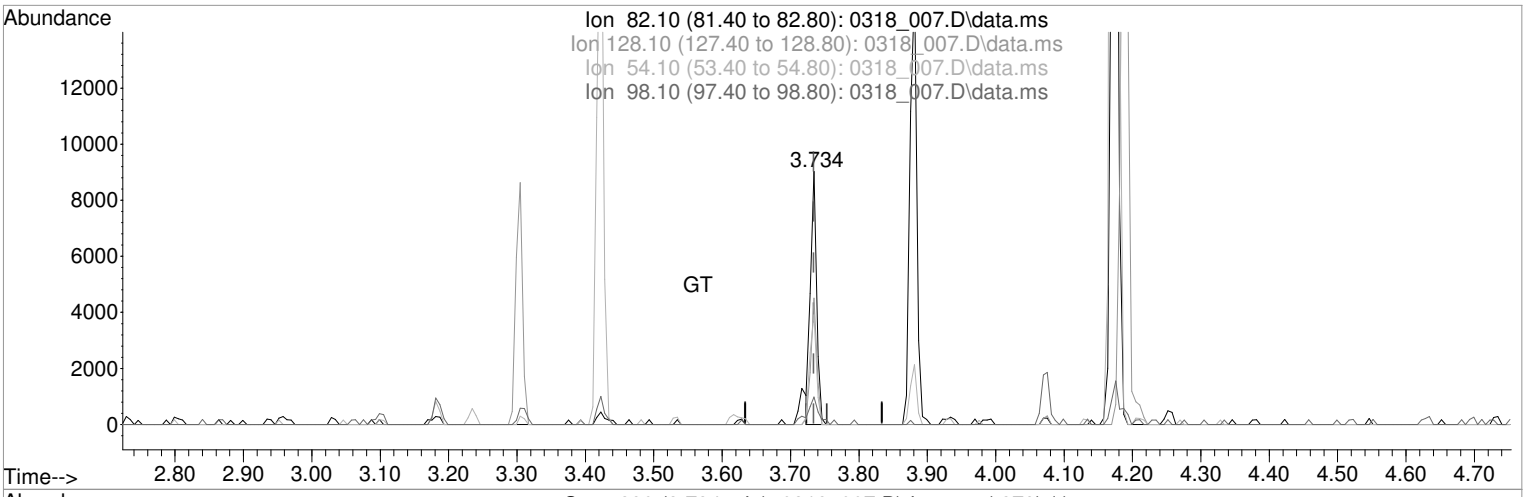
response 6759

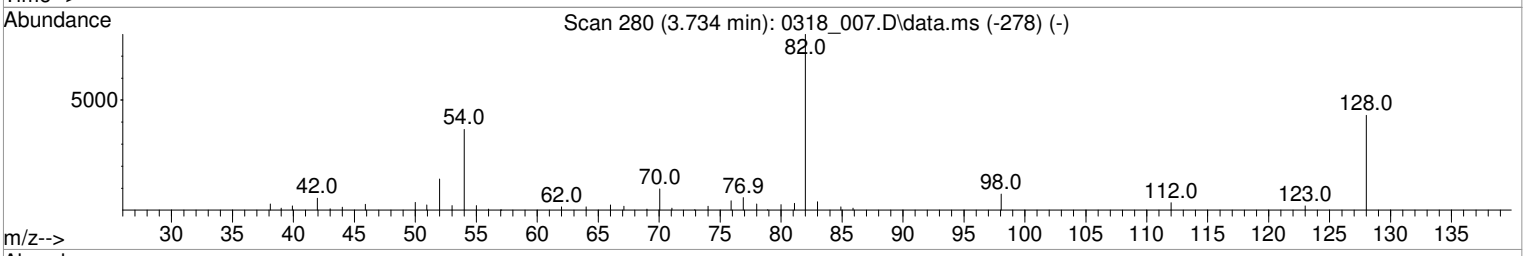
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	49.88
54.10	45.60	43.31
98.10	12.30	10.87

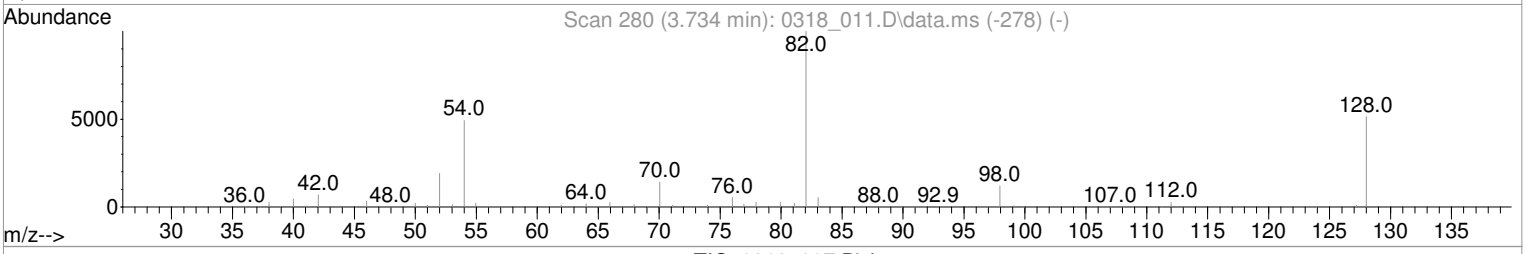
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 16:41:46 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:41:43 2022
Response via : Initial Calibration







TIC: 0318_007.D\data.ms

(24) Nitrobenzene-d5 (S)

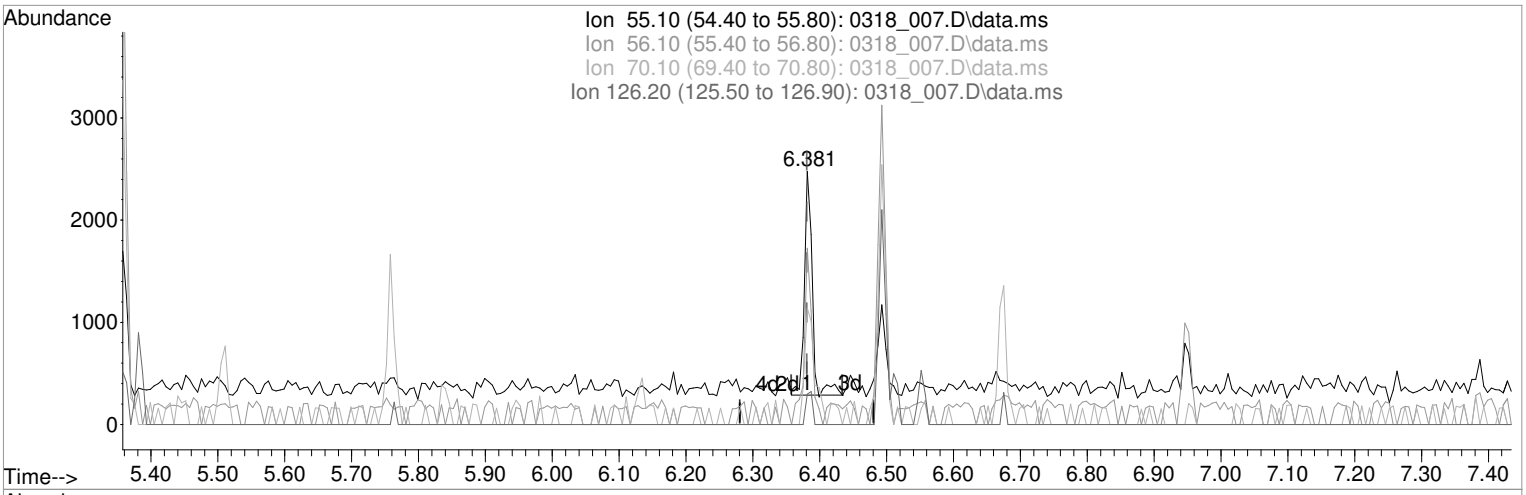
3.734min (+ 0.000) 188.8981874 ppb m

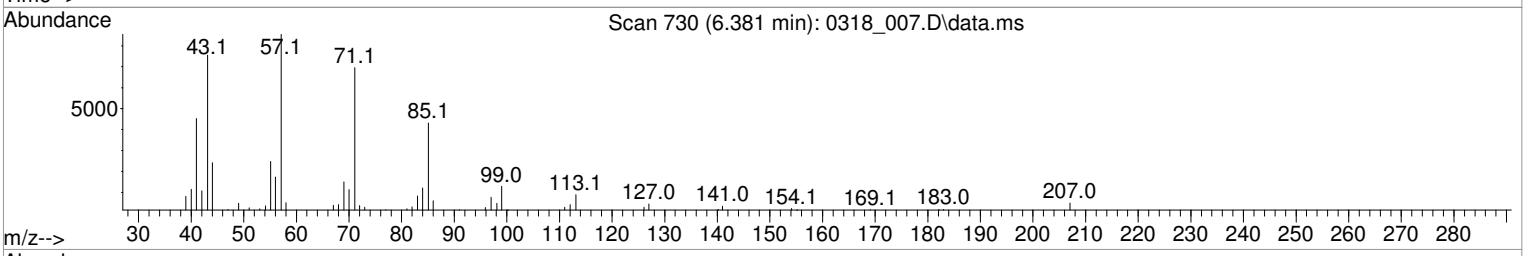
response 5766

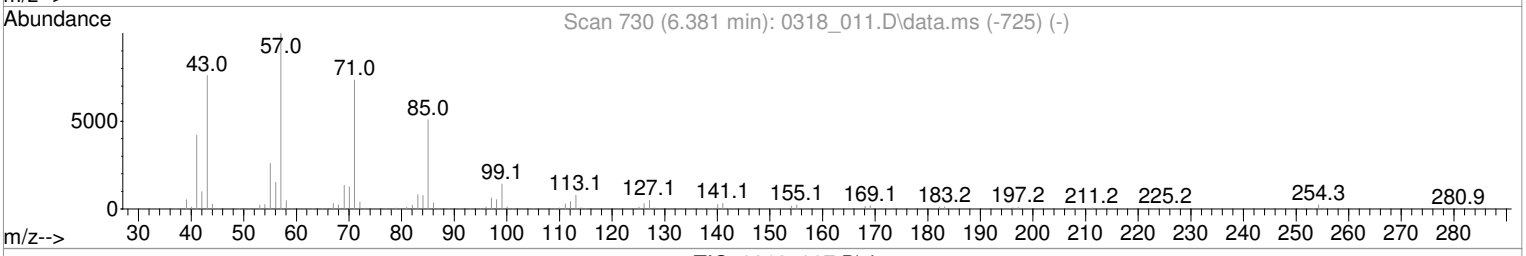
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	49.88
54.10	45.60	43.31
98.10	12.30	10.87

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 16:41:46 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:41:43 2022
Response via : Initial Calibration







TIC: 0318_007.D\data.ms

(76) n-octadecane (T)

6.381min (+ 0.000) 192.0112723 ppb

Qvalue = 75

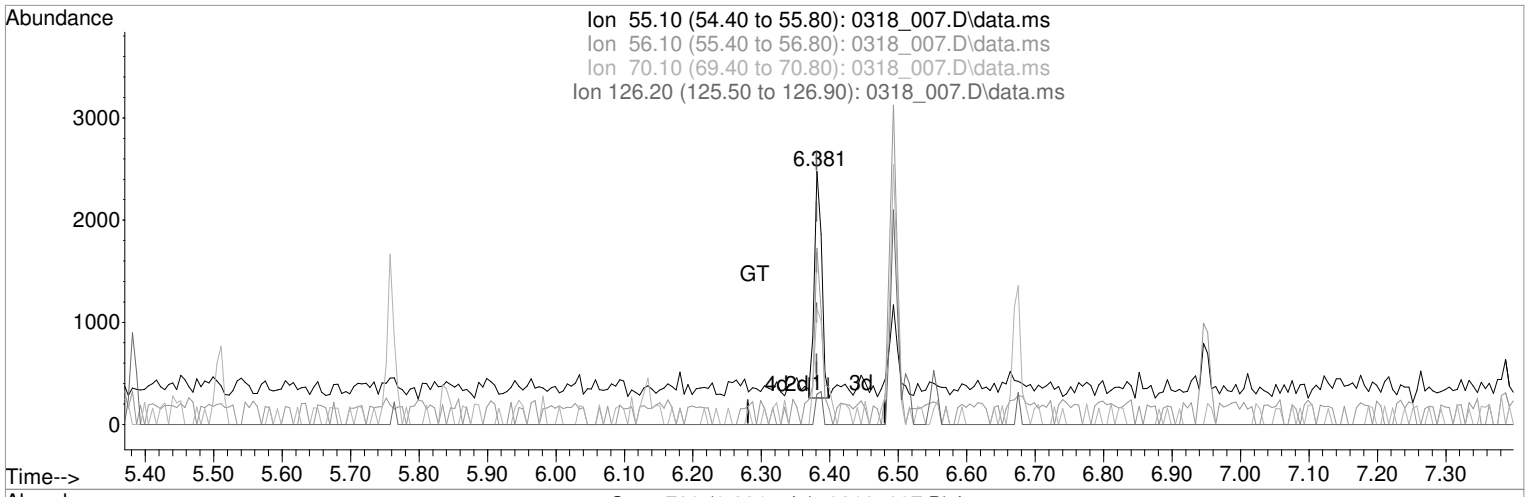
response 1786

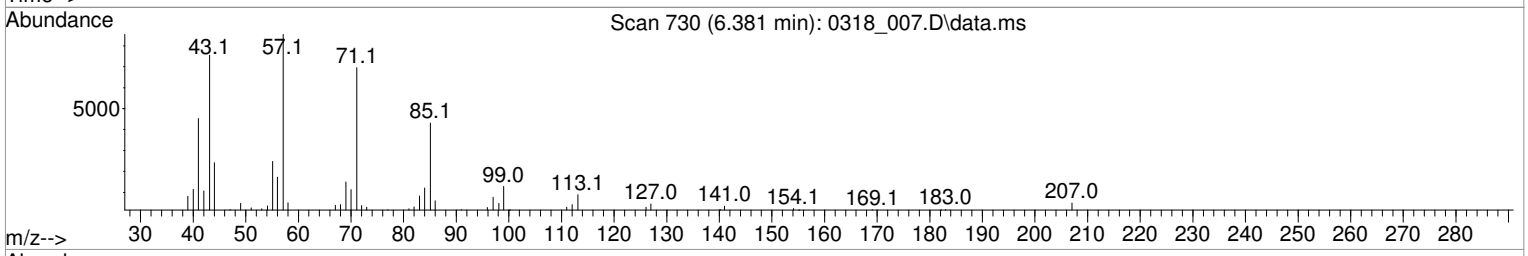
Ion	Exp%	Act%
55.10	100.00	100.00
56.10	58.70	80.68#
70.10	50.10	67.97#
126.20	14.10	12.26

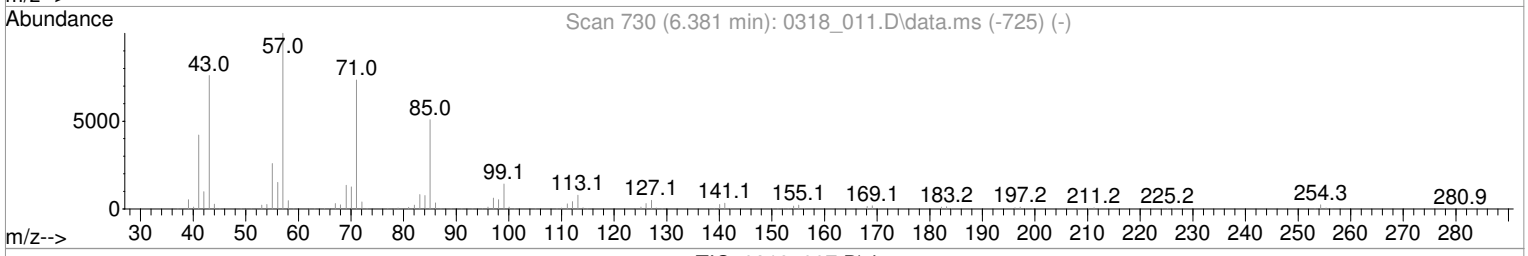
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_007.D
Acq On : 18 Mar 2022 05:05 pm
Operator : 917
Sample : STD SVMS 200 ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 16:41:46 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:41:43 2022
Response via : Initial Calibration







TIC: 0318_007.D\data.ms

(76) n-octadecane (T)

6.381min (+ 0.000) 176.7449785 ppb m

response 1644

Ion	Exp%	Act%
55.10	100.00	100.00
56.10	58.70	87.65#
70.10	50.10	73.84#
126.20	14.10	13.32

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_008.D
Acq On : 18 Mar 2022 05:27 pm
Operator : 917
Sample : STD SVMS 1K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 22 16:43:33 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:43:30 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.422	152	190339	8000.0000000 ppb		0.00
23) Naphthalene-d8	4.175	136	722748	8000.0000000 ppb		0.00
46) Acenaphthene-d10	5.358	164	424052	8000.0000000 ppb		0.00
70) Phenanthrene-d10	6.493	188	826359	8000.0000000 ppb		0.00
84) Chrysene-d12	9.387	240	730851	8000.0000000 ppb		0.00
94) Perylene-d12	12.163	264	734053	8000.0000000 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.728	112	27728	1000.4291363 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 25.01%			
7) Phenol-d5	3.181	99	34952	997.4073951 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 24.94%			
24) Nitrobenzene-d5	3.734	82	28810m	983.2331931 ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 49.16%			
50) 2-Fluorobiphenyl	4.869	172	71061	1019.9861480 ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 51.00%			
73) 2,4,6-Tribromophenol	5.946	330	7956	917.7848865 ppb		0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 22.94%			
87) p-Terphenyl-d14	7.946	244	93267	1009.5501704 ppb		0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 50.48%			
Target Compounds						Qvalue
2) Pyridine	2.176	79	29044	993.1248606 ppb		99
3) N-Nitrosodimethylamine	2.146	42	13374	1075.8155442 ppb		93
5) Aniline	3.234	66	14403	1003.4013312 ppb		94
6) bis(2-Chloroethyl)ether	3.258	93	29669	1056.6086081 ppb		97
8) Phenol	3.193	94	35715	1031.4417171 ppb		96
10) 2-Chlorophenol	3.305	128	30318	998.4393843 ppb		96
11) n-Decane	3.305	41	14359	1065.5003383 ppb	#	98
12) 1,3-Dichlorobenzene	3.393	146	35643	1044.9186054 ppb		96
13) 1,4-Dichlorobenzene	3.434	146	35909	1006.3280322 ppb		98
14) Benzyl Alcohol	3.481	79	23426	987.6428999 ppb		99
15) 1,2-Dichlorobenzene	3.522	146	33599	1011.4903354 ppb		99
16) bis(2-Chloroisopropyl)...	3.558	121	11113	1055.8866644 ppb		97
17) 2,2-oxybis(1-chloropro...	3.558	121	11113	1055.8866644 ppb		97
18) 2-Methylphenol	3.534	108	27057	1017.7857082 ppb		97
19) Hexachloroethane	3.717	117	13982	1023.5550189 ppb		97
20) N-Nitrosodi-n-propylamine	3.628	70	20611	1007.1326357 ppb		96
21) 3&4-Methyl phenol	3.617	107	30770	1004.3521389 ppb		98
25) Nitrobenzene	3.746	77	28540	980.9178247 ppb		96
26) Isophorone	3.881	82	56217	1006.4647060 ppb		94
27) 2-Nitrophenol	3.934	139	12560	901.5511135 ppb		88
28) 2,4-Dimethylphenol	3.934	107	30272	1020.6126200 ppb		95
29) bis(2-Chlorethoxy)methane	3.999	93	35850	1036.7861435 ppb		96
30) 2,4-Dichlorophenol	4.075	162	24827	1006.2762361 ppb		95
32) 1,2,4-Trichlorobenzene	4.134	180	29607	1036.7885756 ppb		97
34) Naphthalene	4.187	128	92116	949.8474383 ppb		99
35) 4-Chloroaniline	4.205	65	9773	1011.0931787 ppb		98
36) Hexachloro-1,3-butadiene	4.258	225	16786	963.2719524 ppb		97

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_008.D
Acq On : 18 Mar 2022 05:27 pm
Operator : 917
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Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 22 16:43:33 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:43:30 2022
Response via : Initial Calibration

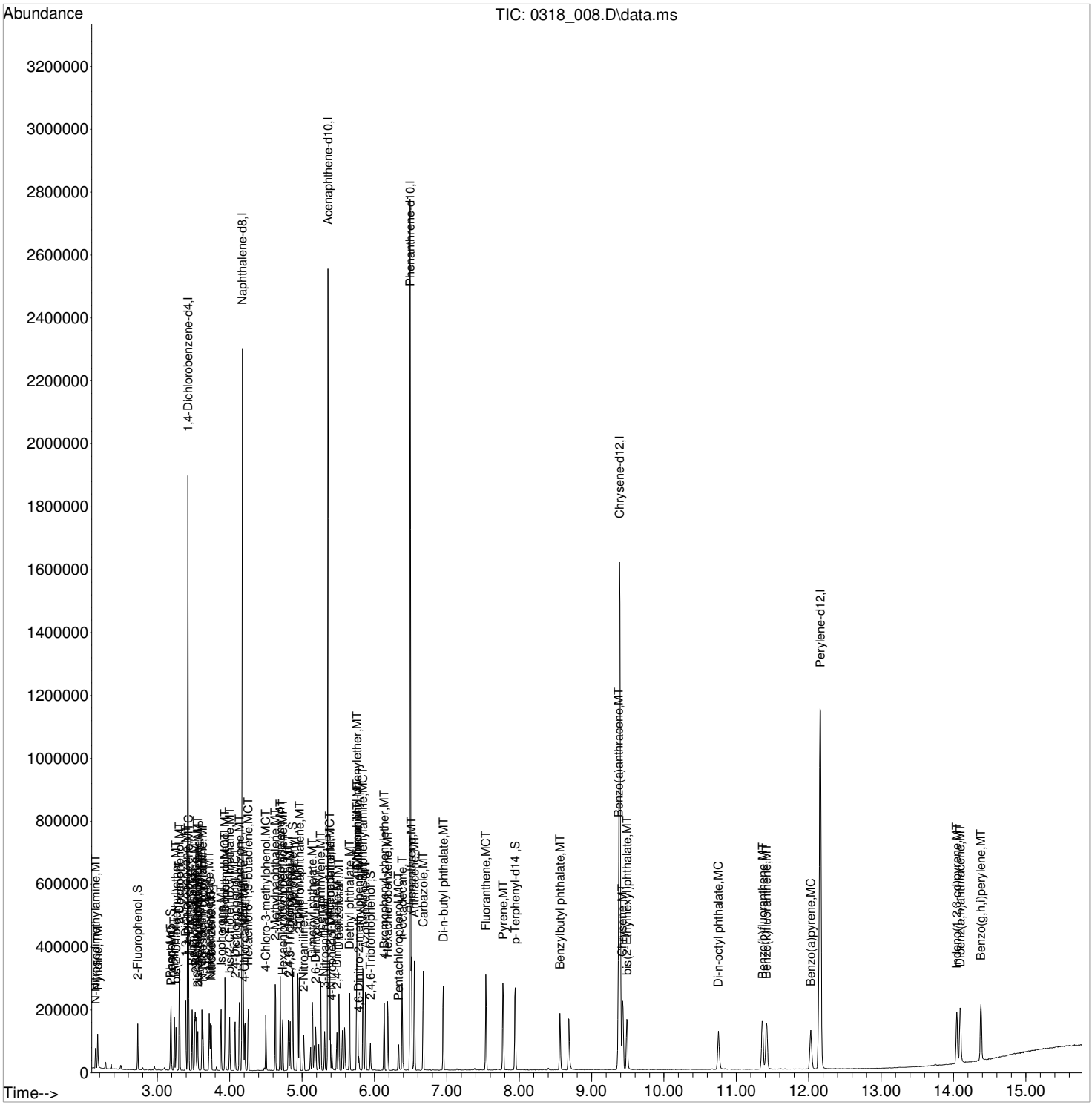
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40) 4-Chloro-3-methylphenol	4.499	107	23597	986.5021184 ppb		96
41) 2-Methylnaphthalene	4.628	142	61681	983.0074813 ppb		99
42) 1-Methylnaphthalene	4.699	142	59470	1021.8756888 ppb		99
47) Hexachlorocyclopentadiene	4.734	237	19815	996.5488830 ppb		97
48) 2,4,6-Trichlorophenol	4.811	196	16490	963.6785187 ppb		96
49) 2,4,5-Trichlorophenol	4.834	196	17982	979.4770313 ppb		97
51) Biphenyl	4.940	154	78841	1023.9377988 ppb		99
52) 2-Chloronaphthalene	4.964	162	60899	1045.4606583 ppb		98
53) 2-Nitroaniline	5.022	138	15695	938.0342732 ppb		96
54) Acenaphthylene	5.258	152	93094	1012.9776453 ppb		99
55) Dimethyl phthalate	5.140	163	71268	1044.7264358 ppb		98
56) 2,6-Dinitrotoluene	5.187	165	13250	999.1734102 ppb		88
57) 3-Nitroaniline	5.311	138	14898	993.4795288 ppb		93
58) Acenaphthene	5.381	153	62634	1004.5573665 ppb		97
59) 2,4-Dinitrophenol	5.387	184	3523	563.2038754 ppb	#	1
60) Dibenzofuran	5.511	168	89236	1063.2754827 ppb		99
61) 2,4-Dinitrotoluene	5.481	165	15355	948.4728775 ppb		90
63) 4-Nitrophenol	5.411	139	10256	942.6711978 ppb		98
64) Fluorene	5.764	166	71928	1009.5851521 ppb		100
65) 4-Chlorophenyl-phenyle...	5.758	204	35049	1018.3300889 ppb		97
66) Diethyl phthalate	5.658	149	68723	1025.0200383 ppb		99
67) 4-Nitroaniline	5.764	138	15317	966.8445742 ppb		88
68) Azobenzene	5.875	77	70333	1056.6869219 ppb		99
71) 4,6-Dinitro-2-methylph...	5.781	198	5094	833.7848422 ppb	#	78
72) N-Nitrosodiphenylamine	5.840	169	61063	1006.3128414 ppb		99
74) 4-Bromophenyl-phenylether	6.134	248	20773	1052.2917895 ppb		94
75) Hexachlorobenzene	6.181	284	23120	1036.2125805 ppb		99
76) n-octadecane	6.381	55	9159	1044.2391542 ppb		96
77) Pentachlorophenol	6.334	266	8245	876.5944686 ppb		96
78) Phenanthrene	6.511	178	107250	925.7957733 ppb		98
79) Anthracene	6.552	178	107287	987.8701644 ppb		99
80) Carbazole	6.675	167	100498	1032.4298671 ppb		99
81) Di-n-butyl phthalate	6.952	149	115522	1006.7291231 ppb		98
83) Fluoranthene	7.540	202	112523	965.0703368 ppb		100
86) Pyrene	7.775	202	116567	946.0176742 ppb		100
88) Benzylbutyl phthalate	8.563	149	46130	983.3051078 ppb		97
90) Benzo(a)anthracene	9.375	228	110411	838.1903018 ppb		99
91) Chrysene	9.428	228	106806	964.2854578 ppb		99
92) bis(2-Ethylhexyl)phtha...	9.487	149	65631	985.9144042 ppb		97
93) Di-n-octyl phthalate	10.752	149	100044	983.9277511 ppb		99
95) Benzo(b)fluoranthene	11.363	252	99313	981.1800172 ppb		98
96) Benzo(k)fluoranthene	11.416	252	102550m	1009.0137336 ppb		
97) Benzo(a)pyrene	12.028	252	87136	999.9722186 ppb		98
98) Indeno(1,2,3-cd)pyrene	14.045	276	83230	982.5013538 ppb		99
99) Dibenz(a,h)anthracene	14.098	278	91012	1028.8119435 ppb		99
100) Benzo(g,h,i)perylene	14.381	276	91943	1001.2410612 ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_008.D
Acq On : 18 Mar 2022 05:27 pm
Operator : 917
Sample : STD SVMS 1K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 22 16:43:33 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:43:30 2022
Response via : Initial Calibration

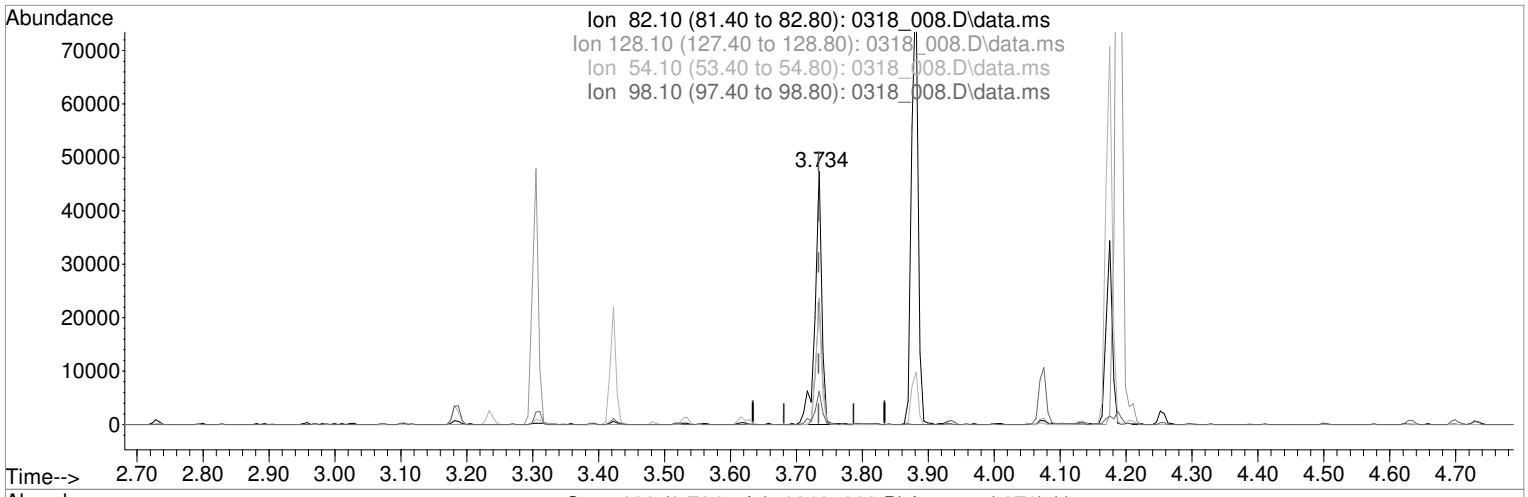


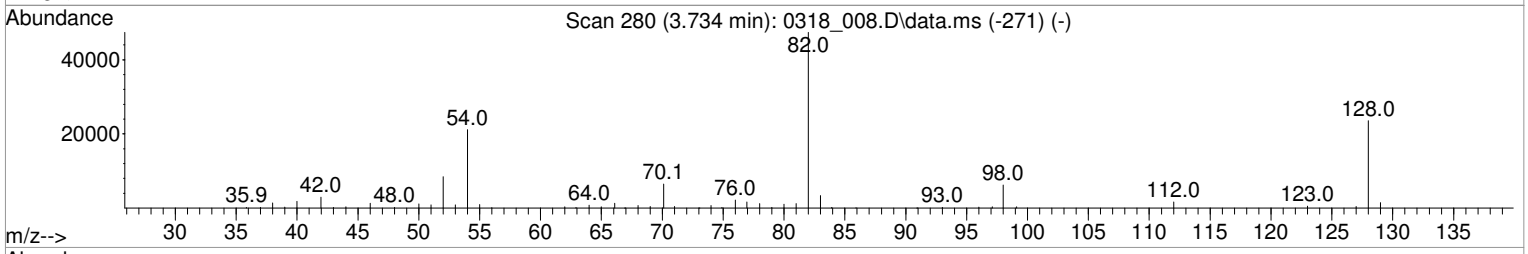
S833C18V.M Tue Mar 22 16:45:39 2022 Page: 3

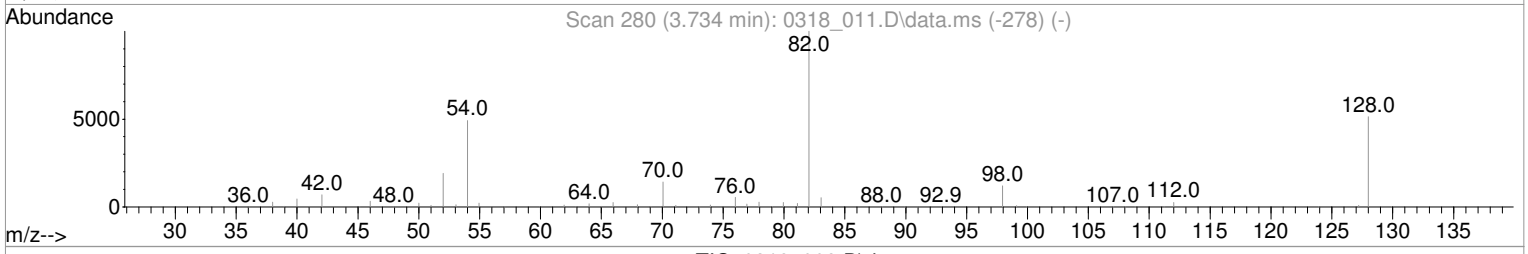
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_008.D
Acq On : 18 Mar 2022 05:27 pm
Operator : 917
Sample : STD SVMS 1K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 22 16:43:33 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:43:30 2022
Response via : Initial Calibration







TIC: 0318_008.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (+ 0.000) 1147.8334600 ppb

Qvalue = 97

response 33633

Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	49.80
54.10	45.60	44.56
98.10	12.30	13.08

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_008.D
Acq On : 18 Mar 2022 05:27 pm
Operator : 917
Sample : STD SVMS 1K ppb 22C18416 exp 08/25/22
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Quant Title : 8270 BNA
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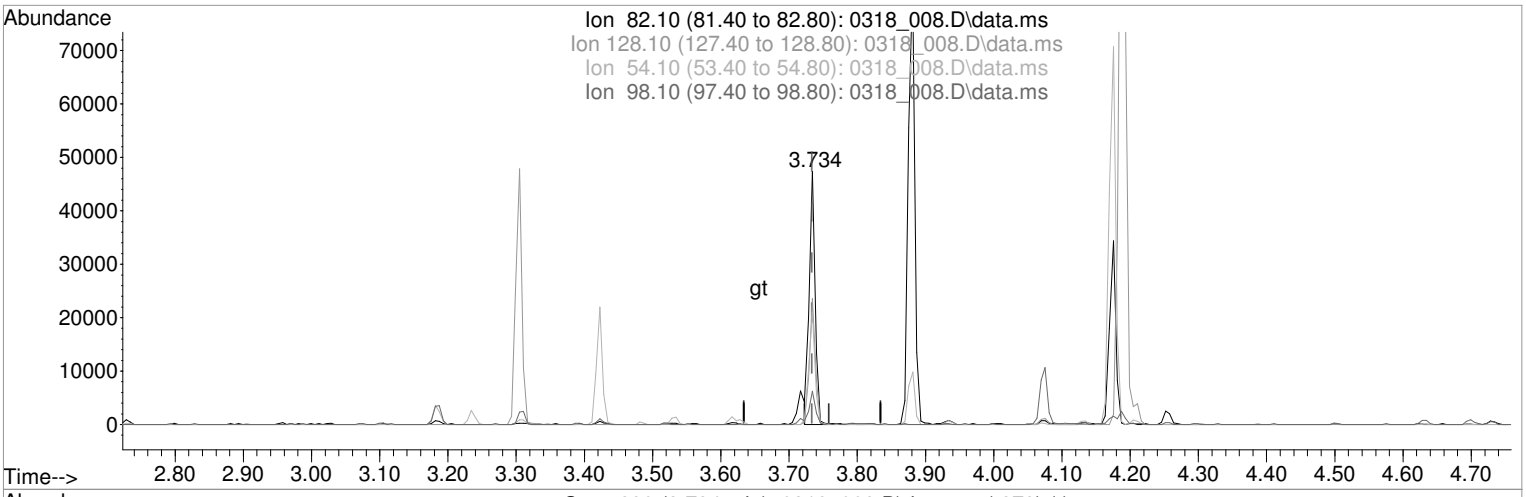

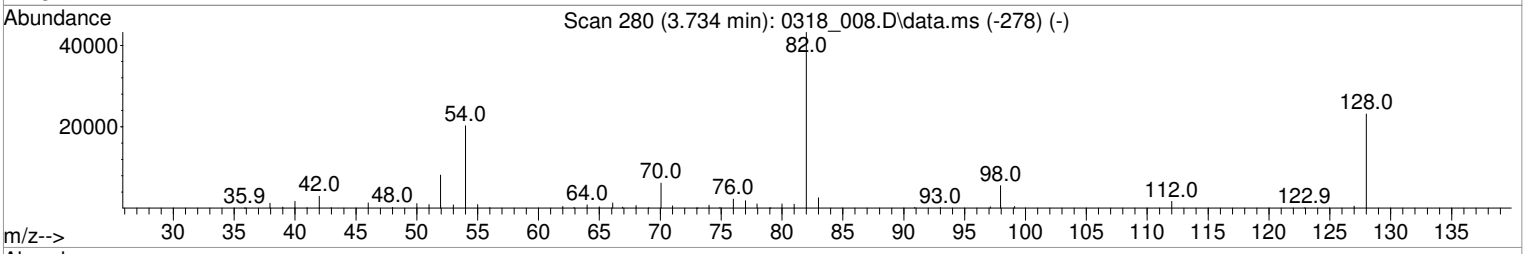

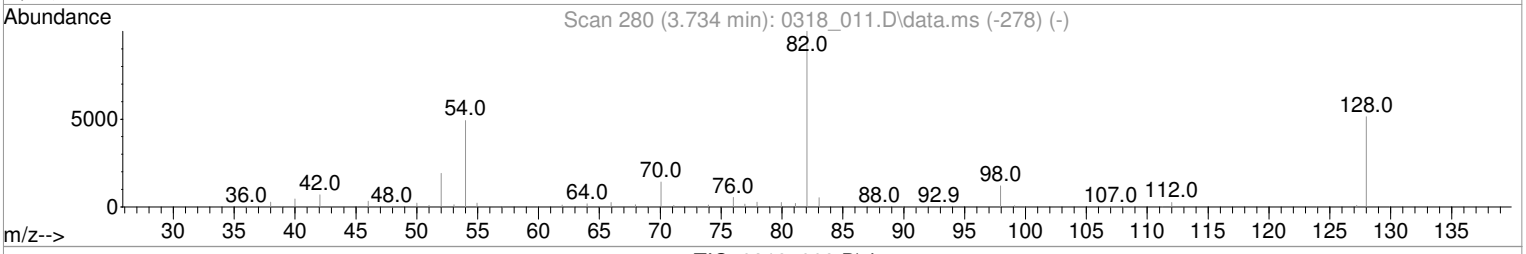

TIC: 0318_008.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (+ 0.000) 983.2331931 ppb m

response 28810

Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	49.80
54.10	45.60	44.56
98.10	12.30	13.08

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_008.D
Acq On : 18 Mar 2022 05:27 pm
Operator : 917
Sample : STD SVMS 1K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
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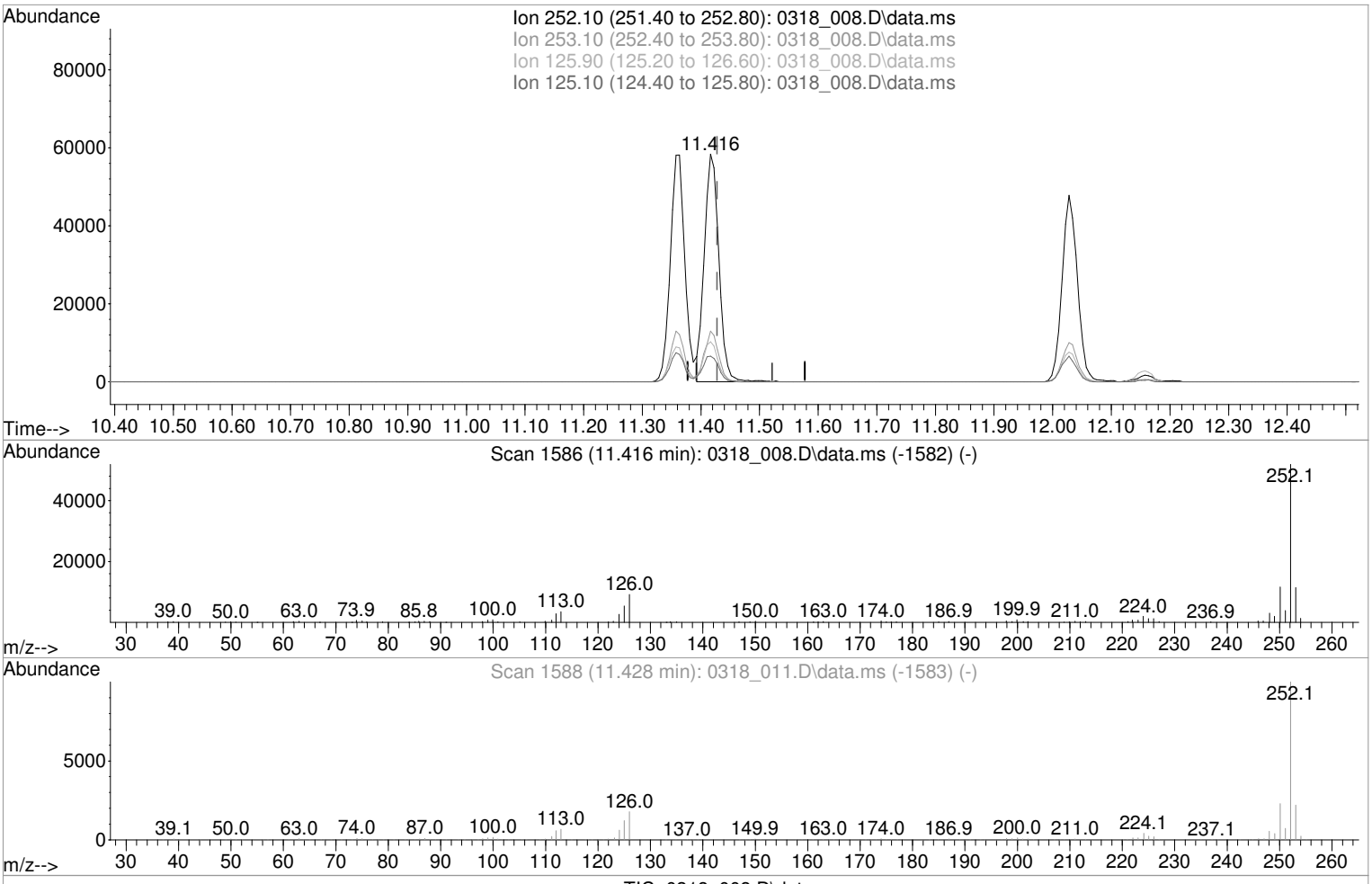
Quant Time: Mar 22 16:43:33 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:43:30 2022
Response via : Initial Calibration



TIC: 0318_008.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.416min (-0.012) 990.6143608 ppb

Qvalue = 99

response 100680

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.10	22.24
125.90	17.80	17.61
125.10	12.20	11.28

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_008.D
Acq On : 18 Mar 2022 05:27 pm
Operator : 917
Sample : STD SVMS 1K ppb 22C18416 exp 08/25/22
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Quant Title : 8270 BNA
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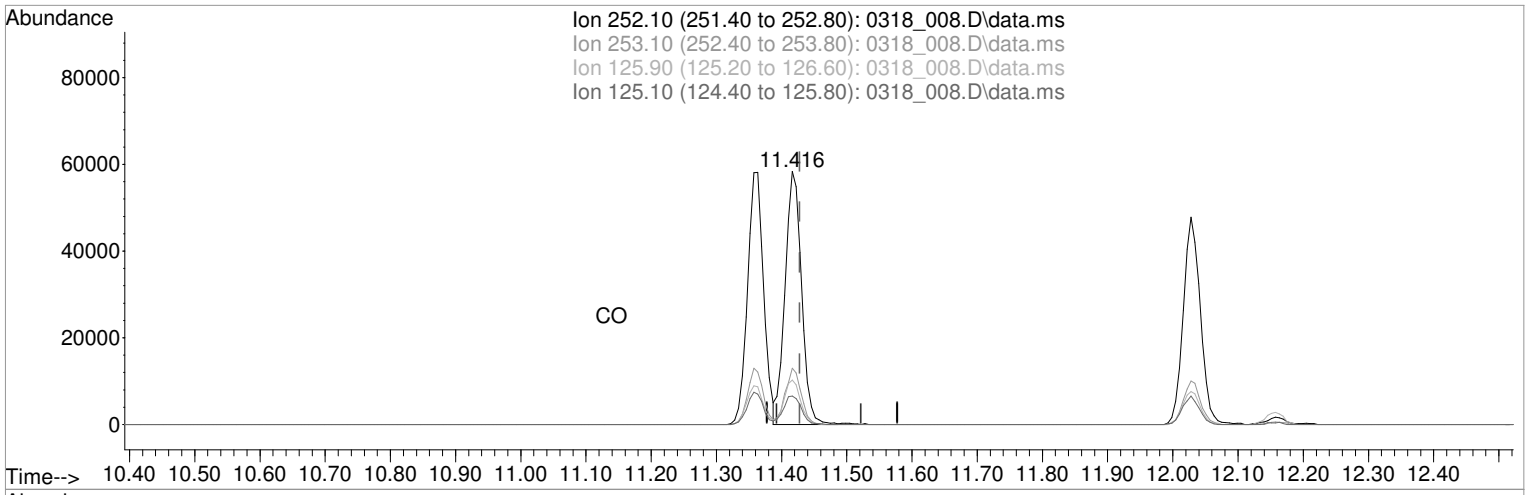
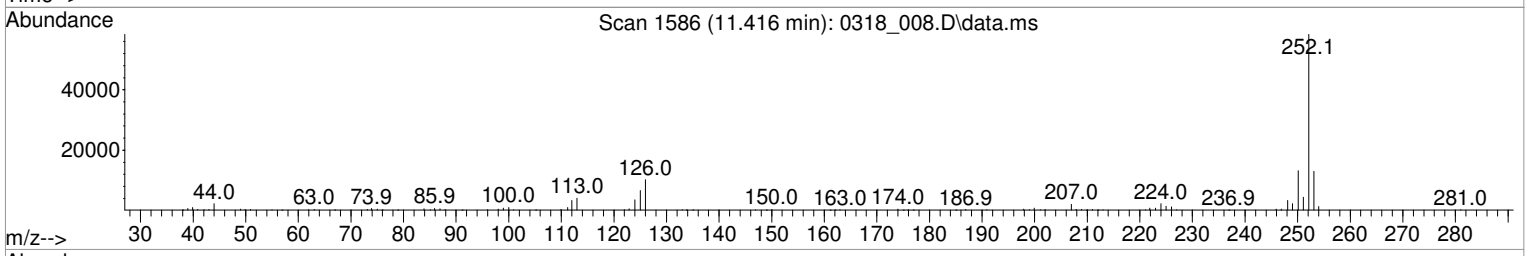
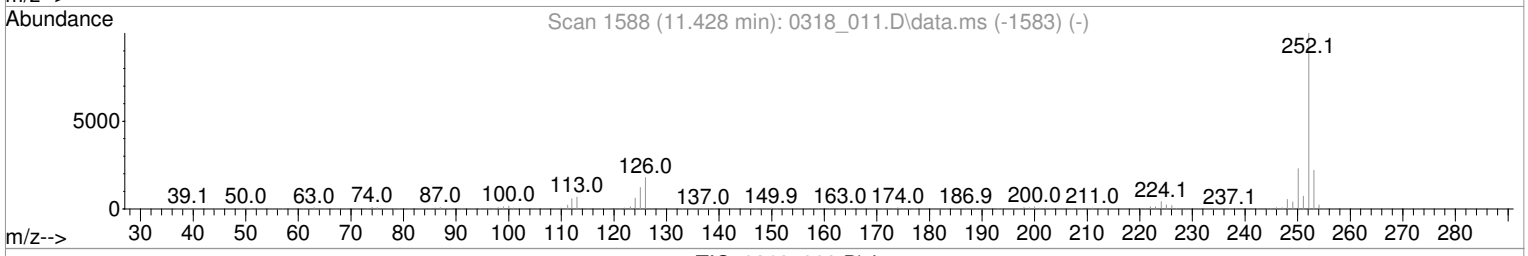






TIC: 0318_008.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.416min (-0.012) 1009.0137336 ppb m

response 102550

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.10	22.24
125.90	17.80	17.61
125.10	12.20	11.28

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_009.D
Acq On : 18 Mar 2022 05:48 pm
Operator : 917
Sample : STD SVMS 2K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 22 16:45:58 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:45:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.422	152	189422	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.175	136	732303	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.358	164	431552	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.493	188	821288	8000.0000000	ppb		0.00
84) Chrysene-d12	9.393	240	726674	8000.0000000	ppb		0.00
94) Perylene-d12	12.163	264	718887	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.728	112	56036	2031.2817139	ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 50.78%				
7) Phenol-d5	3.181	99	71147	2041.8789418	ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 51.05%				
24) Nitrobenzene-d5	3.734	82	58449m	1979.7962435	ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 98.99%				
50) 2-Fluorobiphenyl	4.869	172	141364	1980.6332722	ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 99.03%				
73) 2,4,6-Tribromophenol	5.946	330	16745	1998.3545679	ppb		0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 49.96%				
87) p-Terphenyl-d14	7.946	244	186613	2025.1196352	ppb		0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 101.26%				
Target Compounds							Qvalue
2) Pyridine	2.175	79	58352	2009.5413988	ppb		97
3) N-Nitrosodimethylamine	2.146	42	27168	2141.8669896	ppb		93
5) Aniline	3.234	66	29016	2028.9180513	ppb		94
6) bis(2-Chloroethyl)ether	3.258	93	57828	2031.0854578	ppb		99
8) Phenol	3.193	94	72608	2085.2009292	ppb		95
10) 2-Chlorophenol	3.305	128	61439	2034.1765343	ppb		98
11) n-Decane	3.305	41	27844	2031.7874497	ppb	#	99
12) 1,3-Dichlorobenzene	3.393	146	69245	2009.7385520	ppb		99
13) 1,4-Dichlorobenzene	3.434	146	71300	2003.5862530	ppb		98
14) Benzyl Alcohol	3.481	79	47588	2024.3667398	ppb		99
15) 1,2-Dichlorobenzene	3.522	146	66786	2012.6023033	ppb		99
16) bis(2-Chloroisopropyl)...	3.558	121	21670	2031.0764884	ppb		99
17) 2,2-oxybis(1-chloropro...	3.558	121	21670	2031.0764884	ppb		99
18) 2-Methylphenol	3.534	108	54153	2034.8361770	ppb		98
19) Hexachloroethane	3.717	117	27556	2011.2164611	ppb		98
20) N-Nitrosodi-n-propylamine	3.628	70	40452	1981.4980117	ppb		94
21) 3&4-Methyl phenol	3.617	107	62787	2056.3452424	ppb		98
25) Nitrobenzene	3.746	77	57768	1972.1199462	ppb		98
26) Isophorone	3.881	82	114245	2014.3239486	ppb		96
27) 2-Nitrophenol	3.934	139	26993	1977.1471084	ppb		91
28) 2,4-Dimethylphenol	3.934	107	60939	2013.8979049	ppb		95
29) bis(2-Chlorethoxy)methane	3.999	93	70378	1984.4496120	ppb		98
30) 2,4-Dichlorophenol	4.075	162	50133	2001.2674071	ppb		94
32) 1,2,4-Trichlorobenzene	4.134	180	58049	1981.9528795	ppb		98
34) Naphthalene	4.187	128	186451	1921.5834816	ppb		100
35) 4-Chloroaniline	4.211	65	18788	1911.3357286	ppb		93
36) Hexachloro-1,3-butadiene	4.258	225	33099	1897.8522488	ppb		99

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_009.D
Acq On : 18 Mar 2022 05:48 pm
Operator : 917
Sample : STD SVMS 2K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 22 16:45:58 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:45:54 2022
Response via : Initial Calibration

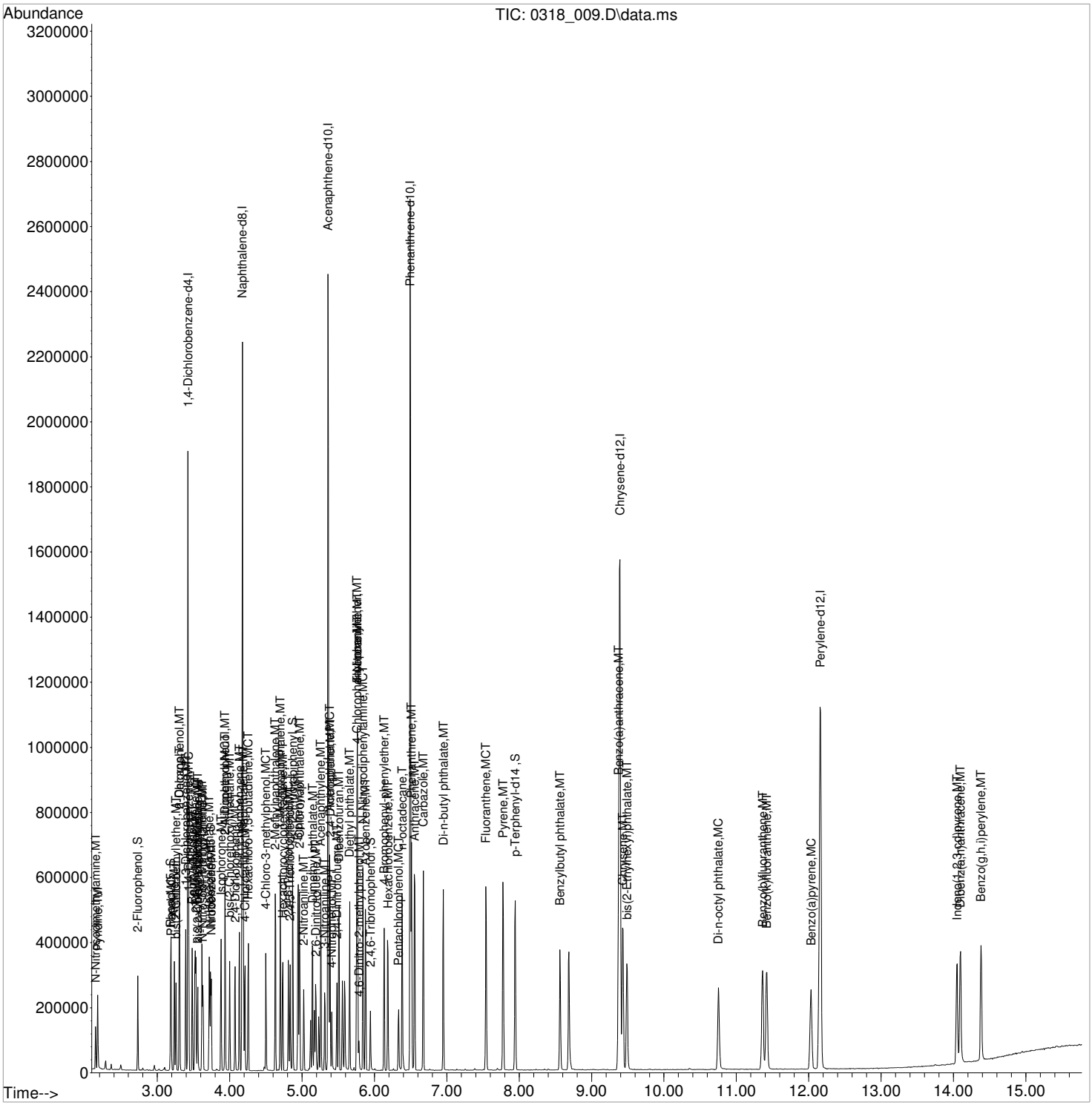
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40)	4-Chloro-3-methylphenol	4.499	107	48269	2000.6174108	ppb		96
41)	2-Methylnaphthalene	4.628	142	122992	1942.7961545	ppb		98
42)	1-Methylnaphthalene	4.699	142	117340	1979.1269199	ppb		99
47)	Hexachlorocyclopentadiene	4.734	237	40319	1994.8036411	ppb		99
48)	2,4,6-Trichlorophenol	4.811	196	34206	1988.3368372	ppb		97
49)	2,4,5-Trichlorophenol	4.834	196	37452	2018.3592659	ppb		98
51)	Biphenyl	4.946	154	154588	1957.1838027	ppb		99
52)	2-Chloronaphthalene	4.964	162	118152	1970.6822376	ppb		98
53)	2-Nitroaniline	5.022	138	33676	2019.4275027	ppb		99
54)	Acenaphthylene	5.258	152	186560	1988.2726397	ppb		100
55)	Dimethyl phthalate	5.146	163	139250	1976.3423440	ppb		93
56)	2,6-Dinitrotoluene	5.193	165	28547	2115.8804446	ppb		92
57)	3-Nitroaniline	5.311	138	31806	2088.6753999	ppb		88
58)	Acenaphthene	5.381	153	125639	1977.7915628	ppb		97
59)	2,4-Dinitrophenol	5.387	184	7646	1536.6948642	ppb	#	1
60)	Dibenzofuran	5.511	168	176736	2026.5247332	ppb		99
61)	2,4-Dinitrotoluene	5.481	165	34434	2126.5356632	ppb		94
63)	4-Nitrophenol	5.411	139	23401	2154.6768262	ppb		96
64)	Fluorene	5.764	166	143702	1977.2169058	ppb		99
65)	4-Chlorophenyl-phenyle...	5.758	204	68661	1948.3347337	ppb		98
66)	Diethyl phthalate	5.658	149	137222	1994.4950912	ppb		99
67)	4-Nitroaniline	5.764	138	33555	2104.5179621	ppb		94
68)	Azobenzene	5.875	77	137439	1991.3768531	ppb		99
71)	4,6-Dinitro-2-methylph...	5.787	198	11970	2086.9731961	ppb		97
72)	N-Nitrosodiphenylamine	5.840	169	123228	2039.0348300	ppb		98
74)	4-Bromophenyl-phenylether	6.134	248	40321	2019.9319823	ppb		93
75)	Hexachlorobenzene	6.187	284	44367	1976.8943401	ppb		99
76)	n-octadecane	6.381	55	17259	1951.1170064	ppb		98
77)	Pentachlorophenol	6.334	266	18356	2047.8682499	ppb		95
78)	Phenanthrene	6.511	178	215132	1903.8313759	ppb		98
79)	Anthracene	6.558	178	214123	1989.7950778	ppb		99
80)	Carbazole	6.675	167	198881	2033.7623777	ppb		99
81)	Di-n-butyl phthalate	6.952	149	233623	2043.9193928	ppb		98
83)	Fluoranthene	7.540	202	222873	1940.2491561	ppb		99
86)	Pyrene	7.775	202	229765	1901.0681830	ppb		100
88)	Benzylbutyl phthalate	8.563	149	93587	2017.5911920	ppb		96
90)	Benzo(a)anthracene	9.375	228	216457	1722.3627912	ppb		99
91)	Chrysene	9.434	228	208421	1909.5706804	ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.487	149	134340	2039.2414912	ppb		99
93)	Di-n-octyl phthalate	10.752	149	212256	2110.8351278	ppb		100
95)	Benzo(b)fluoranthene	11.363	252	204791	2075.7183467	ppb		99
96)	Benzo(k)fluoranthene	11.422	252	204740	2052.3590786	ppb		98
97)	Benzo(a)pyrene	12.034	252	174097	2040.0997683	ppb		98
98)	Indeno(1,2,3-cd)pyrene	14.051	276	169012	2046.1697074	ppb		98
99)	Dibenz(a,h)anthracene	14.098	278	183555	2103.5524322	ppb		99
100)	Benzo(g,h,i)perylene	14.381	276	182487	2028.5418669	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_009.D
Acq On : 18 Mar 2022 05:48 pm
Operator : 917
Sample : STD SVMS 2K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 6 Sample Multiplier: 1

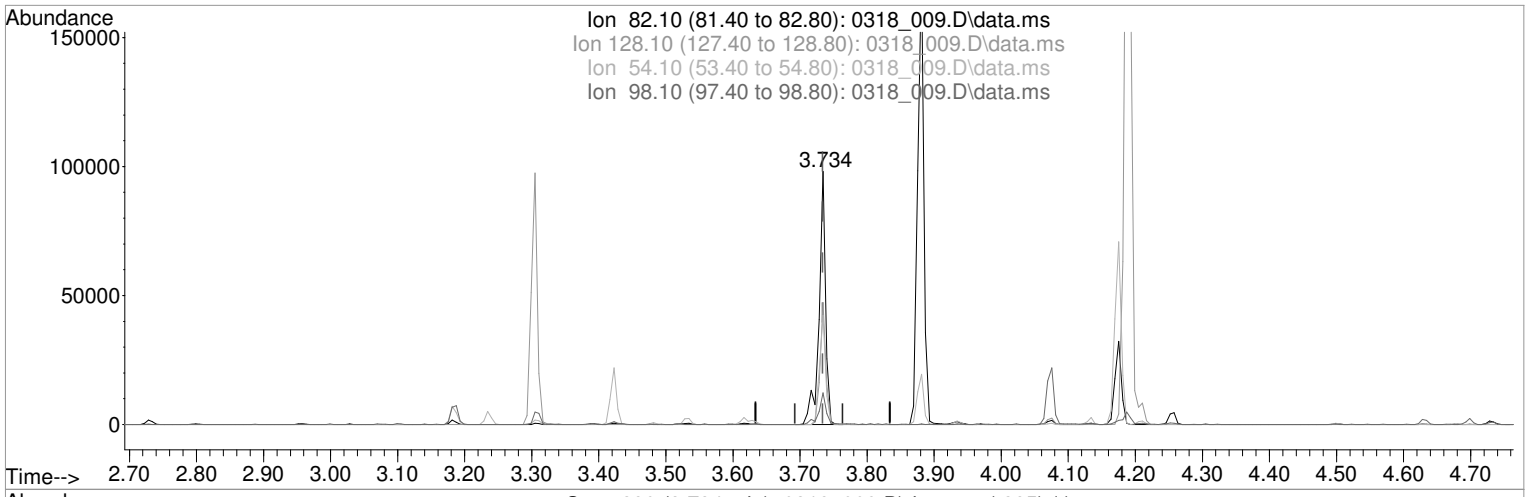
Quant Time: Mar 22 16:45:58 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:45:54 2022
Response via : Initial Calibration

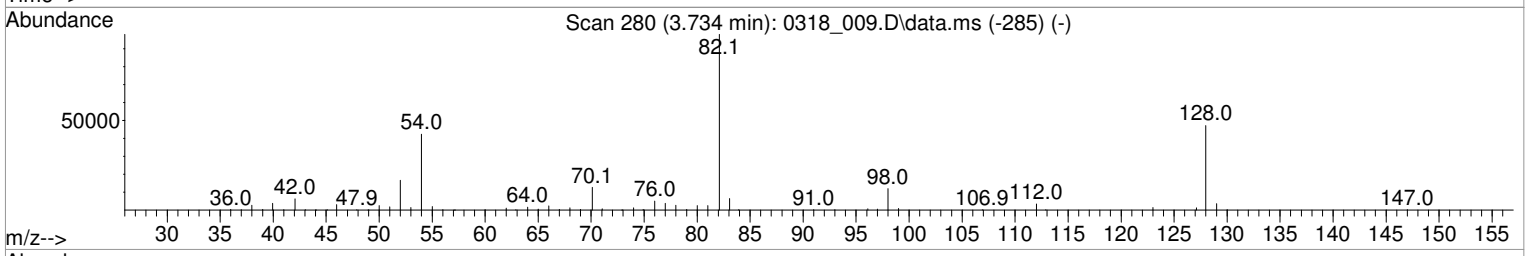


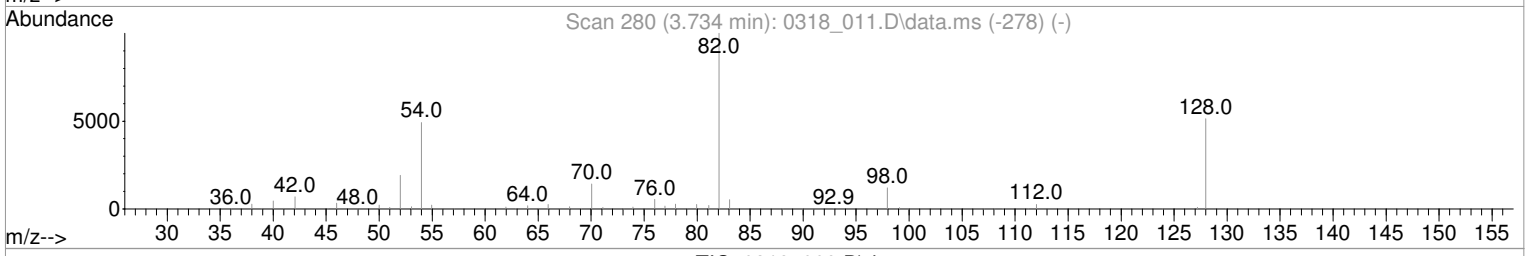
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_009.D
Acq On : 18 Mar 2022 05:48 pm
Operator : 917
Sample : STD SVMS 2K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 22 16:45:58 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:45:54 2022
Response via : Initial Calibration







TIC: 0318_009.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (+ 0.000) 2282.9185652 ppb

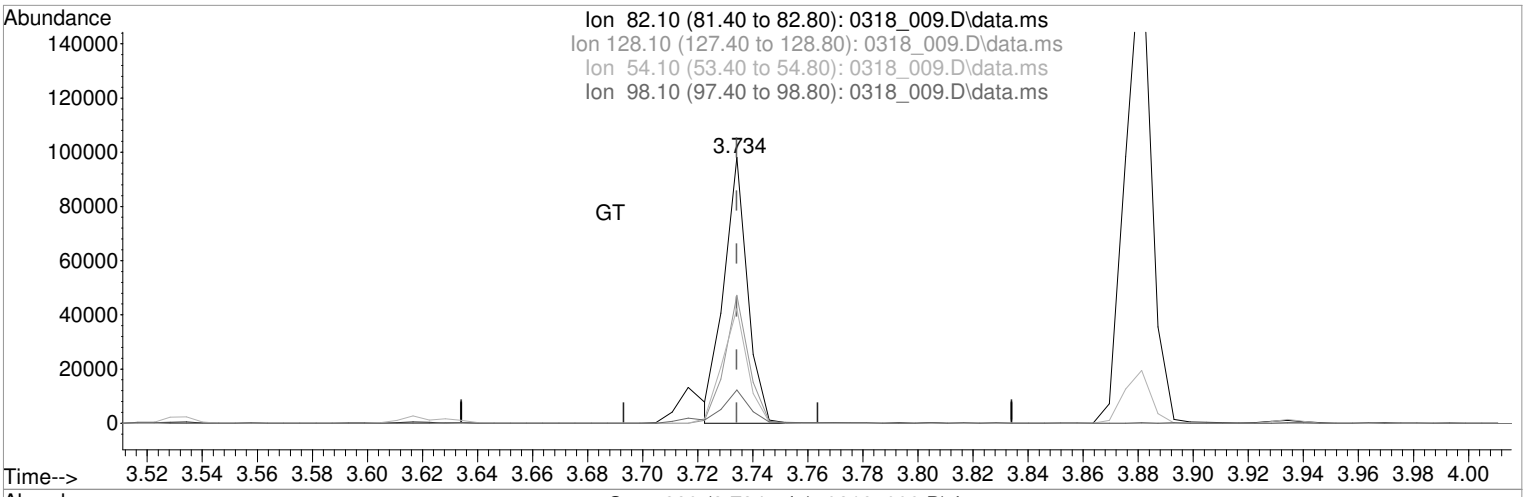
Qvalue = 98

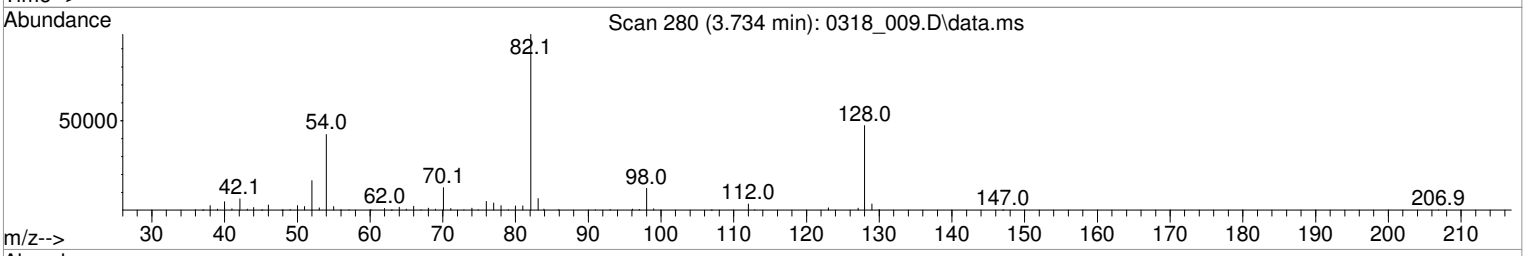
response 67398

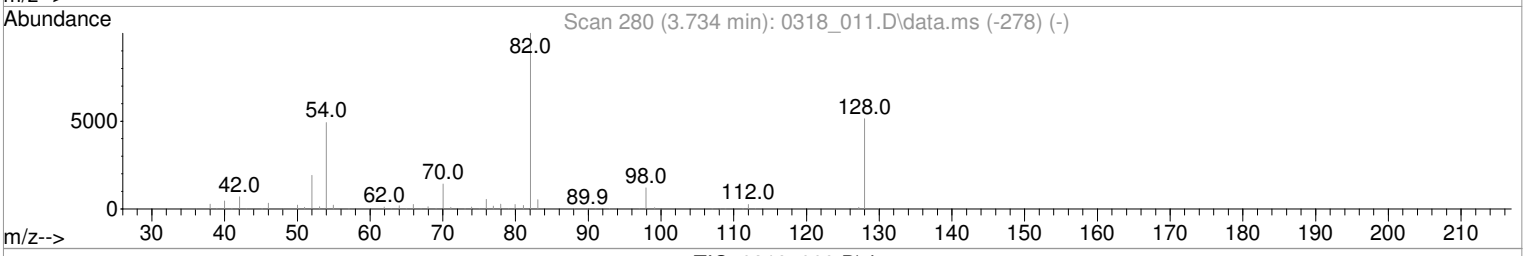
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	48.12
54.10	45.60	43.13
98.10	12.30	12.51

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_009.D
Acq On : 18 Mar 2022 05:48 pm
Operator : 917
Sample : STD SVMS 2K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 22 16:45:58 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:45:54 2022
Response via : Initial Calibration







TIC: 0318_009.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (+ 0.000) 1979.7962435 ppb m

response 58449

Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	48.12
54.10	45.60	43.13
98.10	12.30	12.51

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_010.D
Acq On : 18 Mar 2022 06:09 pm
Operator : 917
Sample : STD SVMS 5K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 22 16:48:15 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:48:11 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.422	152	192306	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.175	136	736859	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.363	164	435838	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.499	188	811042	8000.0000000	ppb	0.00
84) Chrysene-d12	9.392	240	733887	8000.0000000	ppb	0.00
94) Perylene-d12	12.163	264	718404	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.728	112	144061	5123.7999799	ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 128.09%#			
7) Phenol-d5	3.187	99	179320	5042.8049120	ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 126.07%#			
24) Nitrobenzene-d5	3.734	82	149785m	5054.9438998	ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 252.75%#			
50) 2-Fluorobiphenyl	4.869	172	357460	4971.1099543	ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 248.56%#			
73) 2,4,6-Tribromophenol	5.946	330	47105	5693.7169152	ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 142.34%			
87) p-Terphenyl-d14	7.946	244	474422	5081.8577987	ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 254.09%#			
Target Compounds						Qvalue
2) Pyridine	2.175	79	146133	4951.1881638	ppb	100
3) N-Nitrosodimethylamine	2.146	42	64420	4915.4028446	ppb	98
5) Aniline	3.234	66	72272	4959.8390285	ppb	94
6) bis(2-Chloroethyl)ether	3.258	93	148979m	5134.1482177	ppb	
8) Phenol	3.193	94	181475	5079.4535550	ppb	98
10) 2-Chlorophenol	3.305	128	155324	5043.9325225	ppb	99
11) n-Decane	3.310	41	68034	4870.6622750	ppb	100
12) 1,3-Dichlorobenzene	3.393	146	175553	5012.6643973	ppb	100
13) 1,4-Dichlorobenzene	3.434	146	182223	5041.5565890	ppb	99
14) Benzyl Alcohol	3.481	79	121303	5067.3404470	ppb	99
15) 1,2-Dichlorobenzene	3.522	146	170173	5043.3274892	ppb	99
16) bis(2-Chloroisopropyl)...	3.558	121	54798	5039.4818288	ppb	99
17) 2,2-oxybis(1-chloropro...	3.558	121	54798	5039.4818288	ppb	99
18) 2-Methylphenol	3.534	108	138812	5115.4575467	ppb	99
19) Hexachloroethane	3.716	117	70086	5031.5641826	ppb	99
20) N-Nitrosodi-n-propylamine	3.634	70	103691	5014.6181194	ppb	97
21) 3&4-Methyl phenol	3.616	107	157759	5053.7056596	ppb	97
25) Nitrobenzene	3.746	77	149407	5086.7397974	ppb	99
26) Isophorone	3.881	82	288644	5048.7534533	ppb	98
27) 2-Nitrophenol	3.934	139	72740	5310.1884385	ppb	93
28) 2,4-Dimethylphenol	3.940	107	153207	5023.1175095	ppb	99
29) bis(2-Chlorethoxy)methane	3.999	93	177370	4980.0619423	ppb	99
30) 2,4-Dichlorophenol	4.075	162	127676	5064.4037245	ppb	98
32) 1,2,4-Trichlorobenzene	4.134	180	146392	4978.5534582	ppb	99
34) Naphthalene	4.187	128	461494	4764.1566035	ppb	100
35) 4-Chloroaniline	4.210	65	49195	5029.4904131	ppb	98
36) Hexachloro-1,3-butadiene	4.257	225	83176	4801.0138629	ppb	99

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_010.D
Acq On : 18 Mar 2022 06:09 pm
Operator : 917
Sample : STD SVMS 5K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 22 16:48:15 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:48:11 2022
Response via : Initial Calibration

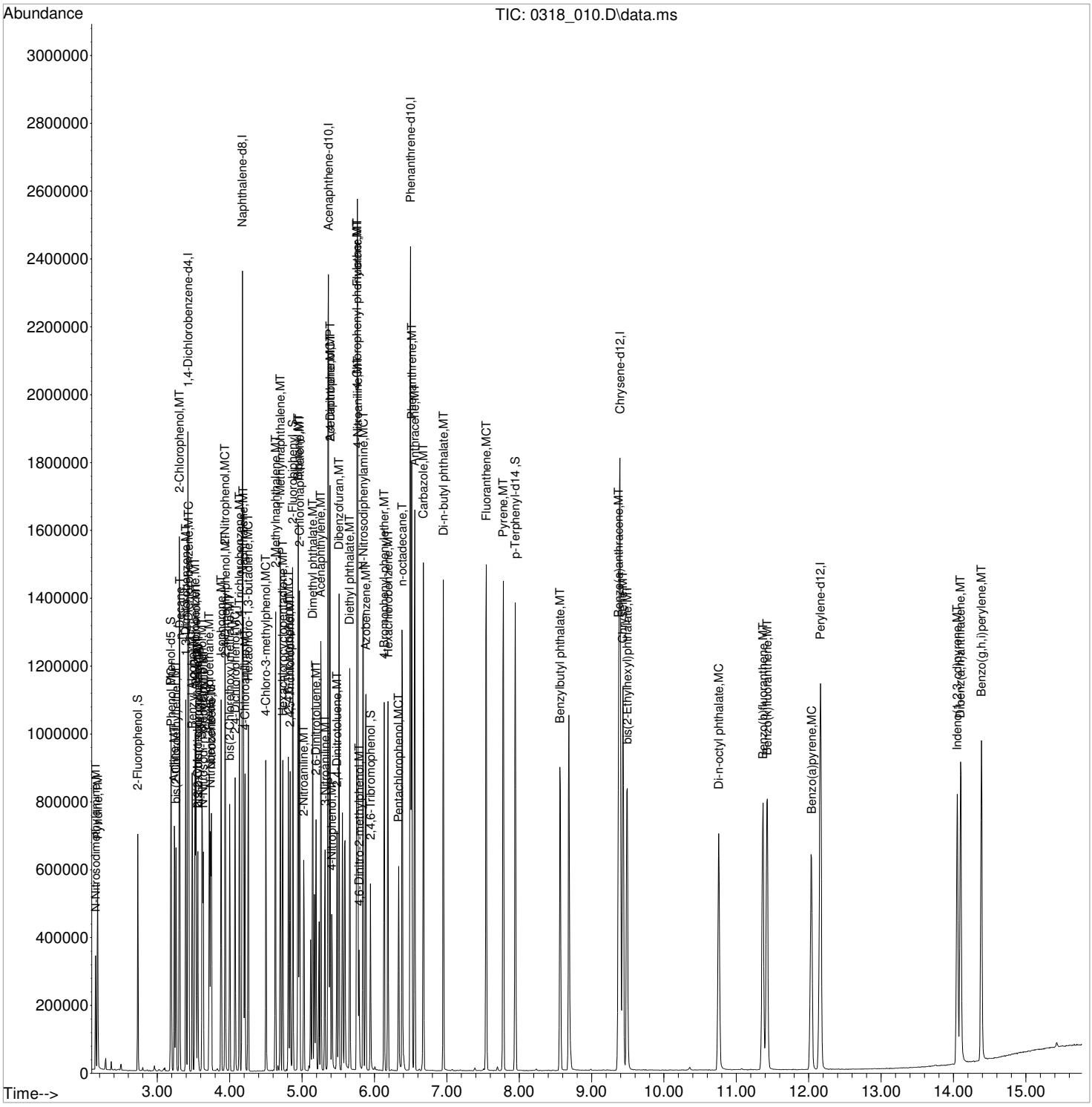
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40)	4-Chloro-3-methylphenol	4.499	107	126425	5207.1682413 ppb		99
41)	2-Methylnaphthalene	4.634	142	313366	4947.6632263 ppb		98
42)	1-Methylnaphthalene	4.699	142	293727	4933.8427822 ppb		100
47)	Hexachlorocyclopentadiene	4.734	237	106100	5201.1096554 ppb		99
48)	2,4,6-Trichlorophenol	4.810	196	91468	5272.2805122 ppb		97
49)	2,4,5-Trichlorophenol	4.834	196	99500	5297.3547243 ppb		98
51)	Biphenyl	4.946	154	395779	4988.2386042 ppb		100
52)	2-Chloronaphthalene	4.963	162	299170	4955.3773468 ppb		98
53)	2-Nitroaniline	5.022	138	92282	5466.1233280 ppb		99
54)	Acenaphthylene	5.257	152	472740	4994.5619749 ppb		99
55)	Dimethyl phthalate	5.146	163	352945	4974.7154876 ppb		97
56)	2,6-Dinitrotoluene	5.193	165	77349	5595.6138946 ppb		96
57)	3-Nitroaniline	5.316	138	86561	5566.7892812 ppb		90
58)	Acenaphthene	5.387	153	312606	4883.4525432 ppb		99
59)	2,4-Dinitrophenol	5.387	184	26318	5675.6411689 ppb	#	1
60)	Dibenzofuran	5.510	168	440736	4987.4194224 ppb		100
61)	2,4-Dinitrotoluene	5.481	165	97113	5845.9506914 ppb		90
63)	4-Nitrophenol	5.410	139	63763	5703.0573586 ppb		99
64)	Fluorene	5.763	166	372898	5091.9037223 ppb		99
65)	4-Chlorophenyl-phenyle...	5.757	204	176040	4978.3644598 ppb		98
66)	Diethyl phthalate	5.657	149	341510	4918.3523636 ppb		99
67)	4-Nitroaniline	5.769	138	96474	5913.9346038 ppb		99
68)	Azobenzene	5.881	77	348516	5005.4439819 ppb		99
71)	4,6-Dinitro-2-methylph...	5.787	198	38466	6718.2454076 ppb		90
72)	N-Nitrosodiphenylamine	5.846	169	313938	5234.7668168 ppb		99
74)	4-Bromophenyl-phenylether	6.134	248	100742	5097.8547129 ppb		99
75)	Hexachlorobenzene	6.187	284	111310	5036.9293236 ppb		97
76)	n-octadecane	6.381	55	44859	5166.9141856 ppb		98
77)	Pentachlorophenol	6.334	266	52230	5865.5028618 ppb		96
78)	Phenanthrene	6.516	178	531864	4812.5245251 ppb		99
79)	Anthracene	6.557	178	537192	5060.2284269 ppb		99
80)	Carbazole	6.675	167	502300	5179.5643102 ppb		99
81)	Di-n-butyl phthalate	6.951	149	593114	5225.8958801 ppb		99
83)	Fluoranthene	7.546	202	574889	5098.4586960 ppb		99
86)	Pyrene	7.781	202	582851	4822.8054330 ppb		99
88)	Benzylbutyl phthalate	8.563	149	252925	5387.2348898 ppb		97
90)	Benzo(a)anthracene	9.375	228	544990	4416.5193477 ppb		100
91)	Chrysene	9.434	228	530056	4852.5677186 ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.492	149	357474	5346.7898398 ppb		99
93)	Di-n-octyl phthalate	10.757	149	584947	5681.2734845 ppb		100
95)	Benzo(b)fluoranthene	11.369	252	515358	5187.7907304 ppb		99
96)	Benzo(k)fluoranthene	11.428	252	527895	5267.7128286 ppb		98
97)	Benzo(a)pyrene	12.039	252	455445	5319.2440637 ppb		99
98)	Indeno(1,2,3-cd)pyrene	14.051	276	445510	5372.4569560 ppb		99
99)	Dibenz(a,h)anthracene	14.098	278	473410	5373.3154661 ppb		98
100)	Benzo(g,h,i)perylene	14.386	276	476281	5282.8635931 ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

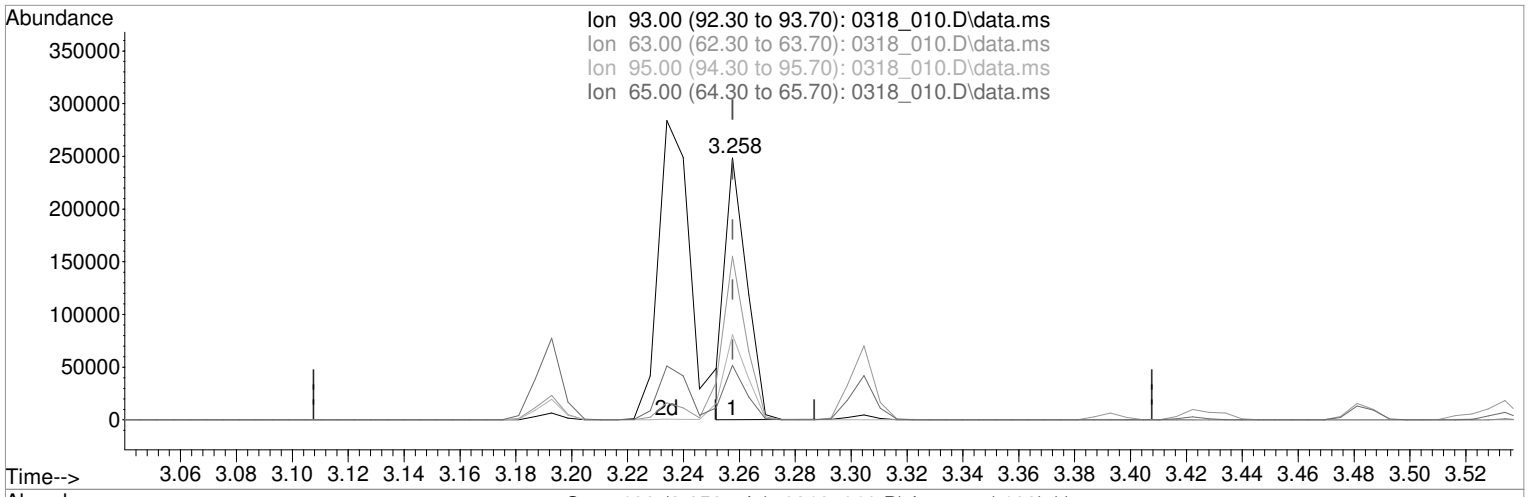
Data Path : C:\GCMS\1\data\031822\
Data File : 0318_010.D
Acq On : 18 Mar 2022 06:09 pm
Operator : 917
Sample : STD SVMS 5K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 7 Sample Multiplier: 1

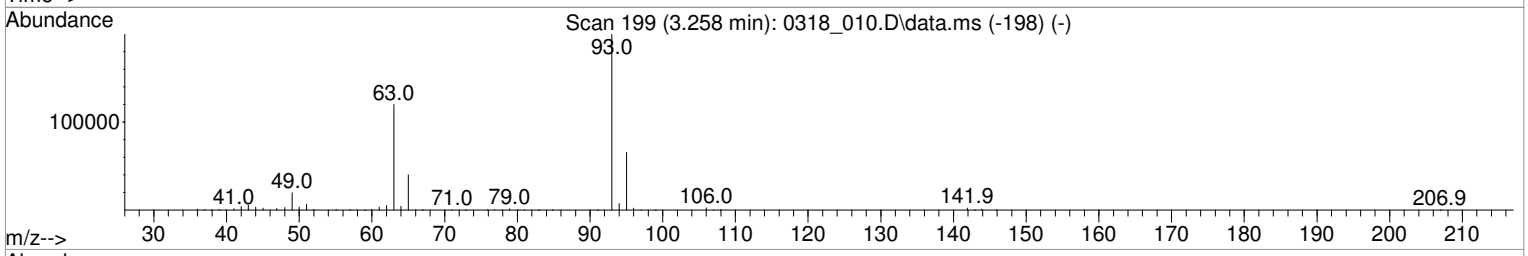
Quant Time: Mar 22 16:48:15 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:48:11 2022
Response via : Initial Calibration

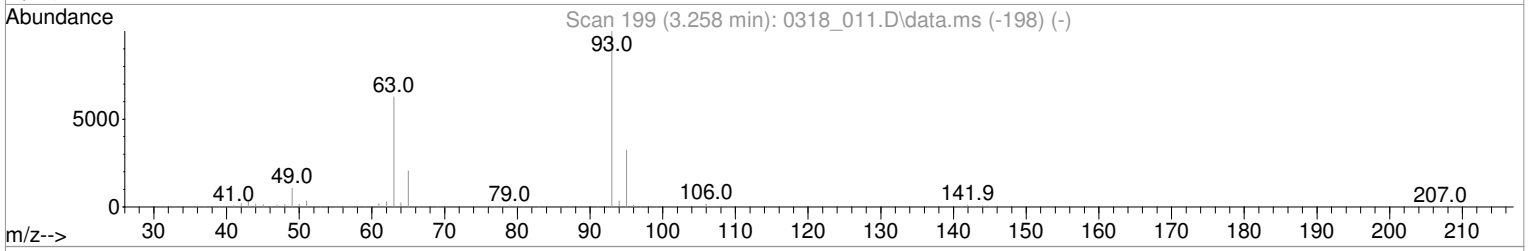


Data Path : C:\GCMS\1\data\031822\
Data File : 0318_010.D
Acq On : 18 Mar 2022 06:09 pm
Operator : 917
Sample : STD SVMS 5K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 22 16:48:15 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:48:11 2022
Response via : Initial Calibration







TIC: 0318_010.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.258min (-0.000) 4523.7187788 ppb

Qvalue = 99

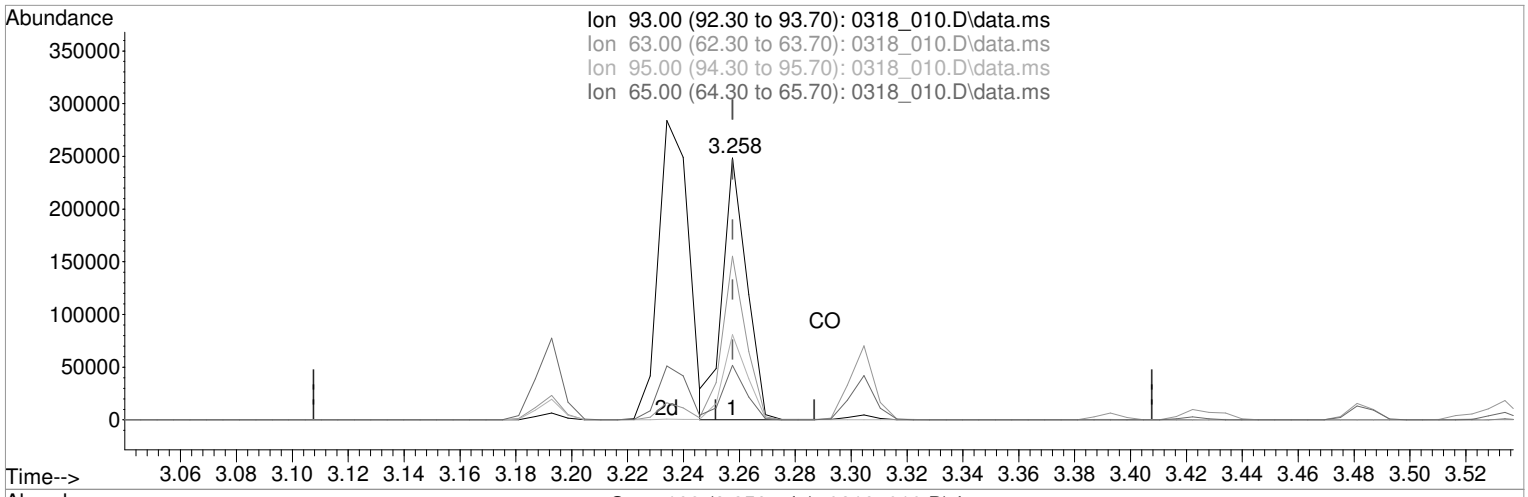
response 131266

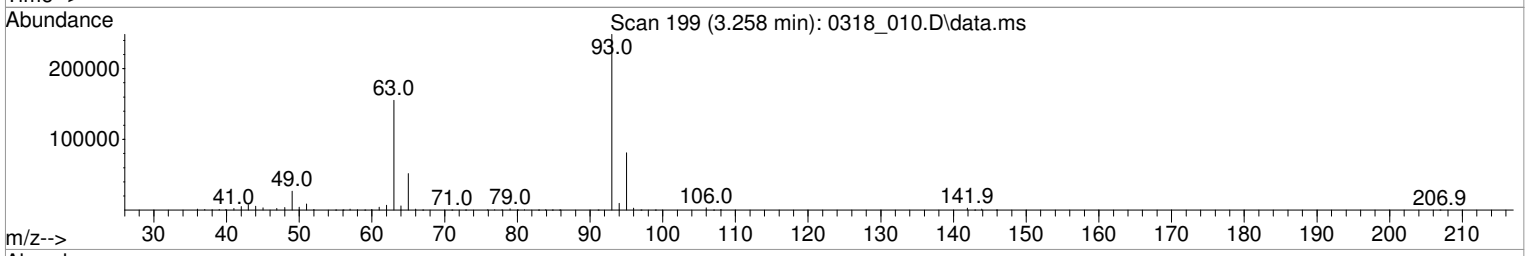
Ion	Exp%	Act%
93.00	100.00	100.00
63.00	63.50	62.60
95.00	32.10	32.58
65.00	21.10	20.83

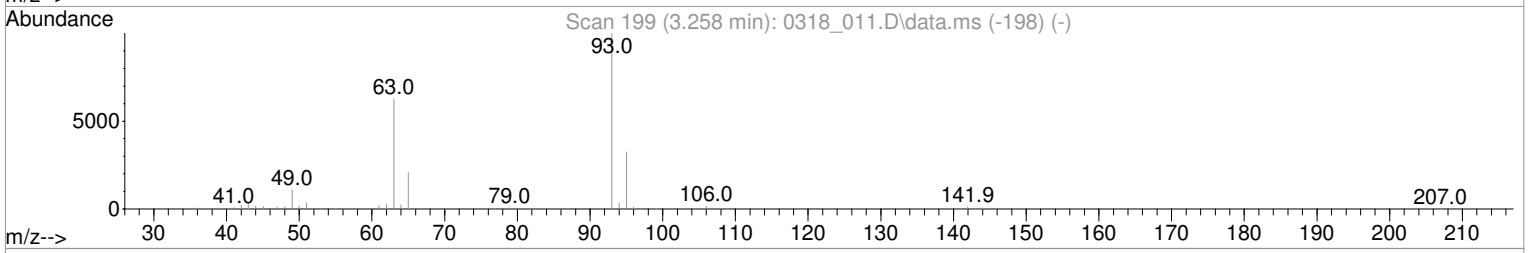
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_010.D
Acq On : 18 Mar 2022 06:09 pm
Operator : 917
Sample : STD SVMS 5K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 22 16:48:15 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:48:11 2022
Response via : Initial Calibration







TIC: 0318_010.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)
3.258min (-0.000) 5134.1482177 ppb m

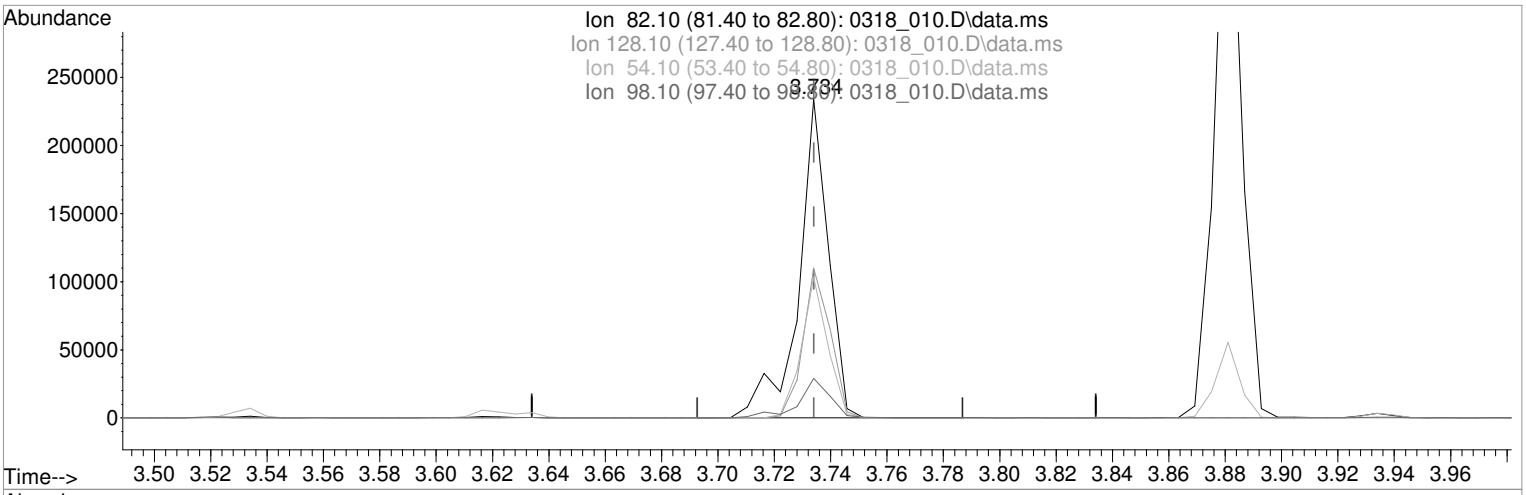
response 148979

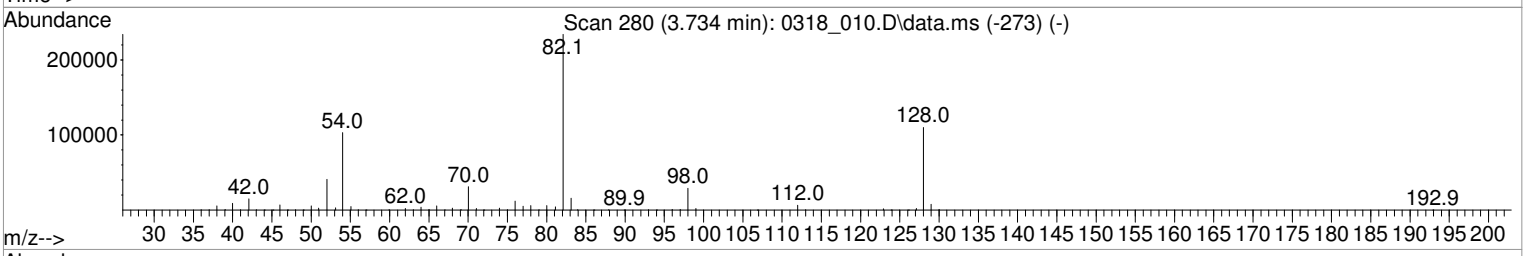
Ion	Exp%	Act%
93.00	100.00	100.00
63.00	63.50	62.51
95.00	32.10	32.60
65.00	21.10	20.80

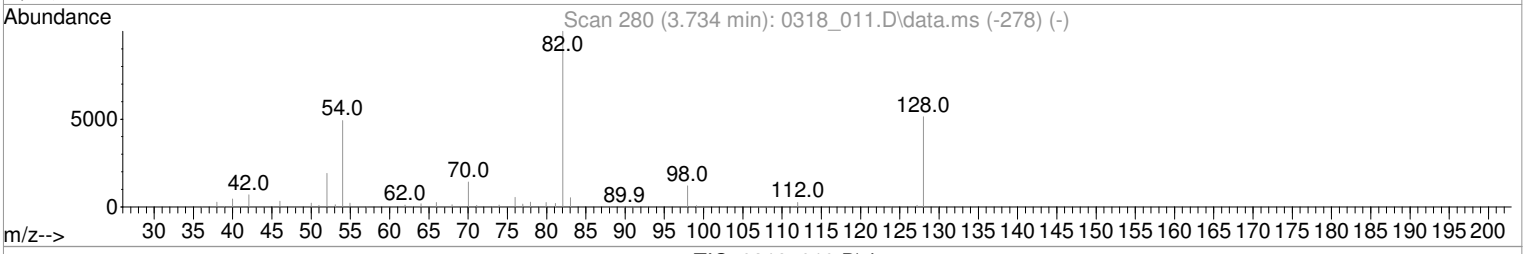
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_010.D
Acq On : 18 Mar 2022 06:09 pm
Operator : 917
Sample : STD SVMS 5K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 22 16:48:15 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:48:11 2022
Response via : Initial Calibration







TIC: 0318_010.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (-0.000) 5780.7958436 ppb

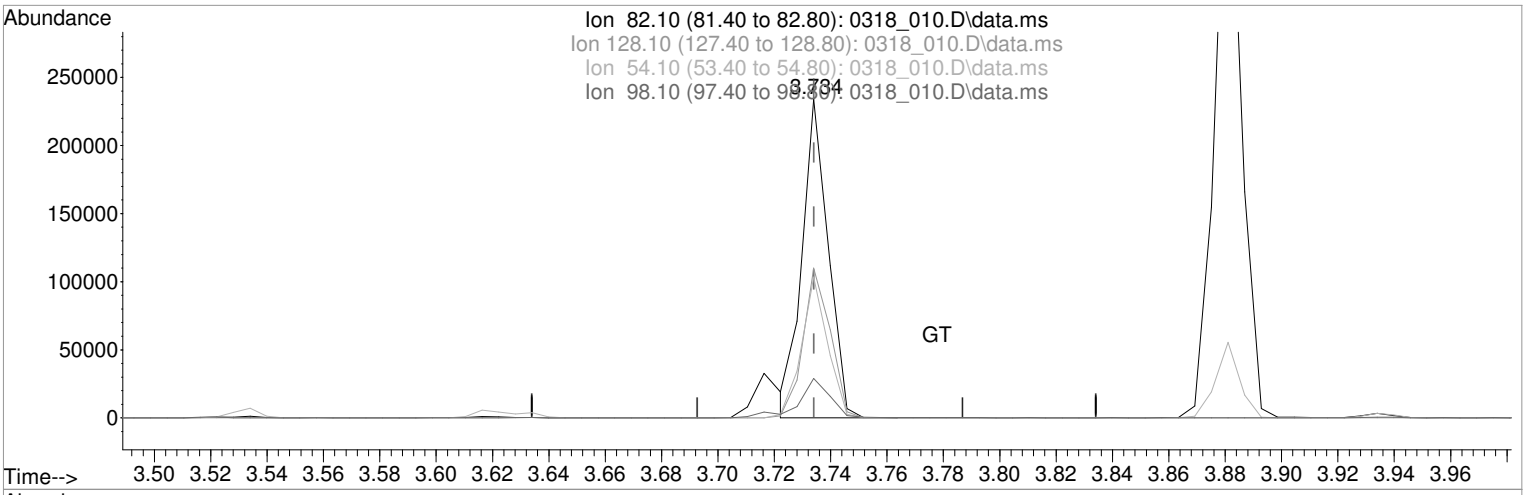
Qvalue = 99

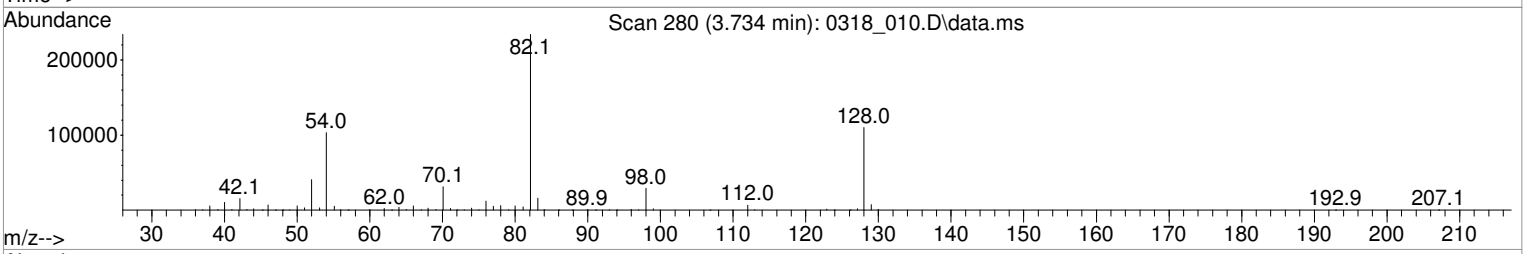
response 171293

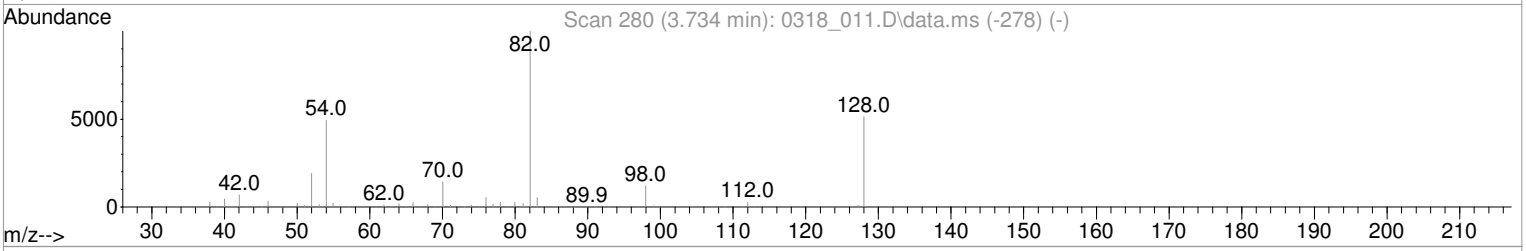
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	47.00
54.10	45.60	44.16
98.10	12.30	12.40

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_010.D
Acq On : 18 Mar 2022 06:09 pm
Operator : 917
Sample : STD SVMS 5K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 22 16:48:15 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:48:11 2022
Response via : Initial Calibration







TIC: 0318_010.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (-0.000) 5054.9438998 ppb m

response 149785

Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	47.00
54.10	45.60	44.16
98.10	12.30	12.40

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_011.D
Acq On : 18 Mar 2022 06:31 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 22 16:31:45 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:31:34 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.422	152	186869	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.175	136	708298	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.363	164	418379	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.493	188	787130	8000.0000000 ppb	0.00
84) Chrysene-d12	9.393	240	709519	8000.0000000 ppb	0.00
94) Perylene-d12	12.163	264	696782	8000.0000000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.728	112	275986	10000.1811719 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 250.00%#		
7) Phenol-d5	3.187	99	350708	10000.0000000 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 250.00%#		
24) Nitrobenzene-d5	3.734	82	295352m	9970.7984349 ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 498.54%#		
50) 2-Fluorobiphenyl	4.869	172	693025	10000.0000000 ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 500.00%#		
73) 2,4,6-Tribromophenol	5.946	330	95671	10042.9342235 ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 251.07%#		
87) p-Terphenyl-d14	7.946	244	936504	10011.3348381 ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 500.57%#		
Target Compounds					Qvalue
2) Pyridine	2.175	79	279652	10000.0000000 ppb	100
3) N-Nitrosodimethylamine	2.146	42	123979	10000.0000000 ppb	100
5) Aniline	3.240	66	143615	10000.0000000 ppb	100
6) bis(2-Chloroethyl)ether	3.258	93	264715	10000.0000000 ppb	100
8) Phenol	3.193	94	352936	10000.0000000 ppb	100
10) 2-Chlorophenol	3.305	128	310901	10016.5599719 ppb	100
11) n-Decane	3.311	41	130473	10000.0000000 ppb	100
12) 1,3-Dichlorobenzene	3.393	146	335153	10000.0000000 ppb	100
13) 1,4-Dichlorobenzene	3.434	146	349694	10000.0000000 ppb	100
14) Benzyl Alcohol	3.481	79	234989	10000.0000000 ppb	100
15) 1,2-Dichlorobenzene	3.522	146	325174	10000.0000000 ppb	100
16) bis(2-Chloroisopropyl)...	3.558	121	104705	10000.0000000 ppb	100
17) 2,2-oxybis(1-chloropro...	3.558	121	104705	10000.0000000 ppb	100
18) 2-Methylphenol	3.534	108	270094	10040.1092876 ppb	100
19) Hexachloroethane	3.716	117	134181	10000.0000000 ppb	100
20) N-Nitrosodi-n-propylamine	3.634	70	202268	10000.0000000 ppb	100
21) 3&4-Methyl phenol	3.622	107	308133	10012.1523660 ppb	100
25) Nitrobenzene	3.746	77	291361	10008.7596958 ppb	100
26) Isophorone	3.881	82	559946	10000.0000000 ppb	100
27) 2-Nitrophenol	3.934	139	151095	10009.3405938 ppb	100
28) 2,4-Dimethylphenol	3.940	107	304959	10000.0000000 ppb	100
29) bis(2-Chlorethoxy)methane	3.999	93	340237	10000.0000000 ppb	100
30) 2,4-Dichlorophenol	4.075	162	253387	9984.4354604 ppb	100
32) 1,2,4-Trichlorobenzene	4.134	180	285591	10000.0000000 ppb	100
34) Naphthalene	4.187	128	890534	10000.0000000 ppb	100
35) 4-Chloroaniline	4.211	65	94965	10000.0000000 ppb	100
36) Hexachloro-1,3-butadiene	4.258	225	163999	10000.0000000 ppb	100

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_011.D
Acq On : 18 Mar 2022 06:31 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 22 16:31:45 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:31:34 2022
Response via : Initial Calibration

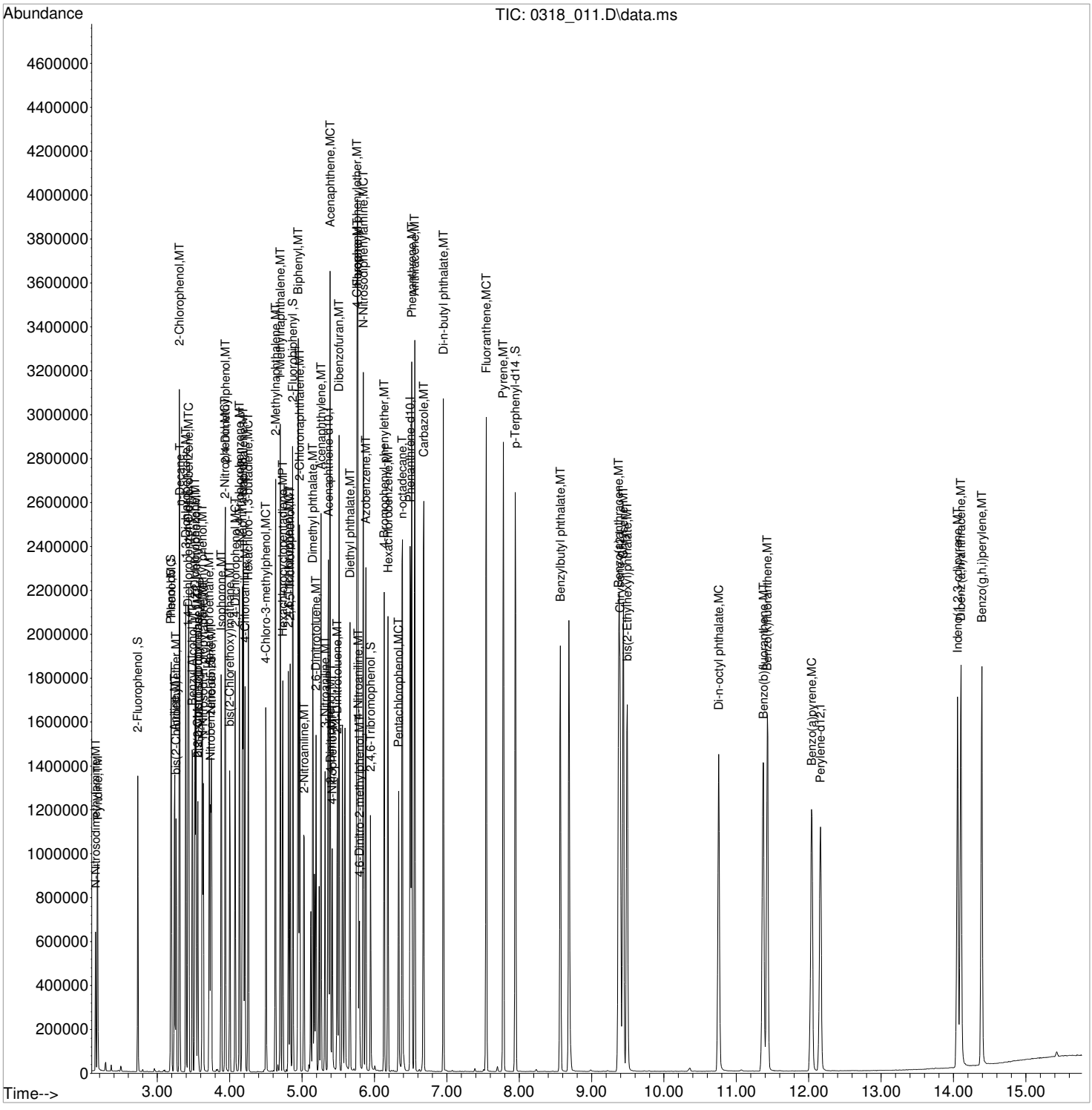
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
40) 4-Chloro-3-methylphenol	4.499	107	248947	10033.7350369 ppb	100
41) 2-Methylnaphthalene	4.634	142	611074	10008.1562328 ppb	99
42) 1-Methylnaphthalene	4.699	142	571427	10000.9450919 ppb	100
47) Hexachlorocyclopentadiene	4.734	237	210155	10000.0000000 ppb	100
48) 2,4,6-Trichlorophenol	4.811	196	179410	10000.0000000 ppb	100
49) 2,4,5-Trichlorophenol	4.834	196	198763	10004.2279254 ppb	100
51) Biphenyl	4.946	154	767000	10000.0000000 ppb	100
52) 2-Chloronaphthalene	4.963	162	579276	10000.0000000 ppb	100
53) 2-Nitroaniline	5.028	138	190322	10000.0000000 ppb	100
54) Acenaphthylene	5.263	152	919818	10000.0000000 ppb	100
55) Dimethyl phthalate	5.146	163	677185	10000.0000000 ppb	100
56) 2,6-Dinitrotoluene	5.193	165	152119	10000.0000000 ppb	100
57) 3-Nitroaniline	5.316	138	170527	9998.0651970 ppb	100
58) Acenaphthene	5.387	153	611919	10000.0000000 ppb	100
59) 2,4-Dinitrophenol	5.393	184	61716	10000.0000000 ppb	100
60) Dibenzofuran	5.511	168	844202	10000.0000000 ppb	100
61) 2,4-Dinitrotoluene	5.487	165	199529	10000.0000000 ppb	100
63) 4-Nitrophenol	5.416	139	129671	9874.8800585 ppb	100
64) Fluorene	5.763	166	727277	10000.0000000 ppb	100
65) 4-Chlorophenyl-phenyle...	5.758	204	345628	10000.0000000 ppb	100
66) Diethyl phthalate	5.663	149	672086	10002.7384946 ppb	100
67) 4-Nitroaniline	5.775	138	189908	10053.5212311 ppb	100
68) Azobenzene	5.881	77	668785	10000.0000000 ppb	100
71) 4,6-Dinitro-2-methylph...	5.793	198	86588	10056.4446819 ppb	91
72) N-Nitrosodiphenylamine	5.846	169	609409	10002.4127551 ppb	100
74) 4-Bromophenyl-phenylether	6.134	248	197360	10000.0000000 ppb	100
75) Hexachlorobenzene	6.187	284	217974	10000.0000000 ppb	100
76) n-octadecane	6.381	55	88703	10000.0000000 ppb	100
77) Pentachlorophenol	6.334	266	110856	9961.8083950 ppb	100
78) Phenanthrene	6.516	178	1022932	10000.0000000 ppb	100
79) Anthracene	6.558	178	1035830	10017.2913673 ppb	100
80) Carbazole	6.681	167	961895	10010.1361090 ppb	100
81) Di-n-butyl phthalate	6.952	149	1167849	9995.2242669 ppb	100
83) Fluoranthene	7.546	202	1105754	10000.0000000 ppb	100
86) Pyrene	7.781	202	1152054	9995.3467059 ppb	100
88) Benzylbutyl phthalate	8.569	149	507266	10002.9367560 ppb	100
90) Benzo(a)anthracene	9.375	228	1068069	10002.2268607 ppb	100
91) Chrysene	9.440	228	1014103	10014.7984026 ppb	100
92) bis(2-Ethylhexyl)phtha...	9.493	149	712981	10024.7797010 ppb	100
93) Di-n-octyl phthalate	10.757	149	1178757	10023.8092801 ppb	100
95) Benzo(b)fluoranthene	11.375	252	1005049	9999.7711607 ppb	100
96) Benzo(k)fluoranthene	11.428	252	1034524	9986.6783022 ppb	100
97) Benzo(a)pyrene	12.040	252	887947	10019.4646488 ppb	100
98) Indeno(1,2,3-cd)pyrene	14.057	276	865233	10000.1502508 ppb	100
99) Dibenz(a,h)anthracene	14.104	278	940063	10099.6033485 ppb	100
100) Benzo(g,h,i)perylene	14.392	276	927240	10000.0000000 ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_011.D
Acq On : 18 Mar 2022 06:31 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 22 16:31:45 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:31:34 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\053122\
Data File : 0531_03.D
Acq On : 31 May 2022 11:47 am
Operator : 917
Sample : ICV SVMS 10K ppb 22E10461 exp 10/01/22
Misc : SVMS CAL ISTD 22E03623 exp 11/03/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 13:50:58 2022
Quant Method : C:\GCMS\1\methods\S833E31V.M
Quant Title : 8270 BNA
QLast Update : Tue May 31 13:50:44 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.069	152	116045	8000.0000000 ppb		0.00
23) Naphthalene-d8	3.805	136	446416	8000.0000000 ppb		0.00
46) Acenaphthene-d10	4.958	164	281205	8000.0000000 ppb		0.00
70) Phenanthrene-d10	6.063	188	569953	8000.0000000 ppb		0.00
84) Chrysene-d12	8.657	240	568866	8000.0000000 ppb		0.00
94) Perylene-d12	11.146	264	560404	8000.0000000 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.405	112	174235	10020.0825744 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 250.50%#			
7) Phenol-d5	2.864	99	228517	10326.3219027 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 258.16%#			
24) Nitrobenzene-d5	3.381	82	207909	11264.4119365 ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 563.22%#			
50) 2-Fluorobiphenyl	4.487	172	473553	10058.5760530 ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 502.93%#			
73) 2,4,6-Tribromophenol	5.534	330	84935	11480.3403551 ppb		0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 287.01%#			
87) p-Terphenyl-d14	7.405	244	740069	10021.9508373 ppb		0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 501.10%#			
Target Compounds						Qvalue
2) Pyridine	1.852	79	192319	10786.5957988 ppb		99
3) N-Nitrosodimethylamine	1.828	42	71361	9219.7383441 ppb	#	83
5) Aniline	2.893	66	91886	10270.5533336 ppb		99
6) bis(2-Chloroethyl)ether	2.917	93	184368	10510.4880841 ppb		99
8) Phenol	2.869	94	234911m	10555.4585437 ppb		
10) 2-Chlorophenol	2.958	128	189540	9665.3365062 ppb		99
11) n-Decane	2.958	41	69457	8759.1655024 ppb		96
12) 1,3-Dichlorobenzene	3.040	146	211846	9919.1680669 ppb		98
13) 1,4-Dichlorobenzene	3.081	146	214026	9732.1535345 ppb		98
14) Benzyl Alcohol	3.140	79	159522	10772.2046641 ppb		99
15) 1,2-Dichlorobenzene	3.164	146	201961	9806.1686390 ppb		98
16) bis(2-Chloroisopropyl)...	3.211	121	64194	9690.3308061 ppb		95
17) 2,2-oxybis(1-chloropro...	3.211	121	64194	9690.3308061 ppb		95
18) 2-Methylphenol	3.199	108	174695	10354.1419428 ppb		98
19) Hexachloroethane	3.352	117	82809	9711.8886410 ppb		99
20) N-Nitrosodi-n-propylamine	3.287	70	137486	10884.2226282 ppb		92
21) 3&4-Methyl phenol	3.287	107	204050	10598.1015176 ppb		99
25) Nitrobenzene	3.393	77	204257	11151.8998255 ppb		93
26) Isophorone	3.528	82	383859	10940.8752244 ppb		96
27) 2-Nitrophenol	3.575	139	106098	11160.1312164 ppb		90
28) 2,4-Dimethylphenol	3.593	107	190507	9886.7947638 ppb		92
29) bis(2-Chlorethoxy)methane	3.646	93	227966	10498.6719776 ppb		99
30) 2,4-Dichlorophenol	3.722	162	168948	10560.3488204 ppb		93
32) 1,2,4-Trichlorobenzene	3.769	180	182644	10042.4000585 ppb		98
34) Naphthalene	3.816	128	555395	9757.3579476 ppb		100
35) 4-Chloroaniline	3.846	65	63895	10578.6535739 ppb	#	56
36) Hexachloro-1,3-butadiene	3.887	225	113494	10712.5733897 ppb		98

Data Path : C:\GCMS\1\data\053122\
Data File : 0531_03.D
Acq On : 31 May 2022 11:47 am
Operator : 917
Sample : ICV SVMS 10K ppb 22E10461 exp 10/01/22
Misc : SVMS CAL ISTD 22E03623 exp 11/03/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 13:50:58 2022
Quant Method : C:\GCMS\1\methods\S833E31V.M
Quant Title : 8270 BNA
QLast Update : Tue May 31 13:50:44 2022
Response via : Initial Calibration

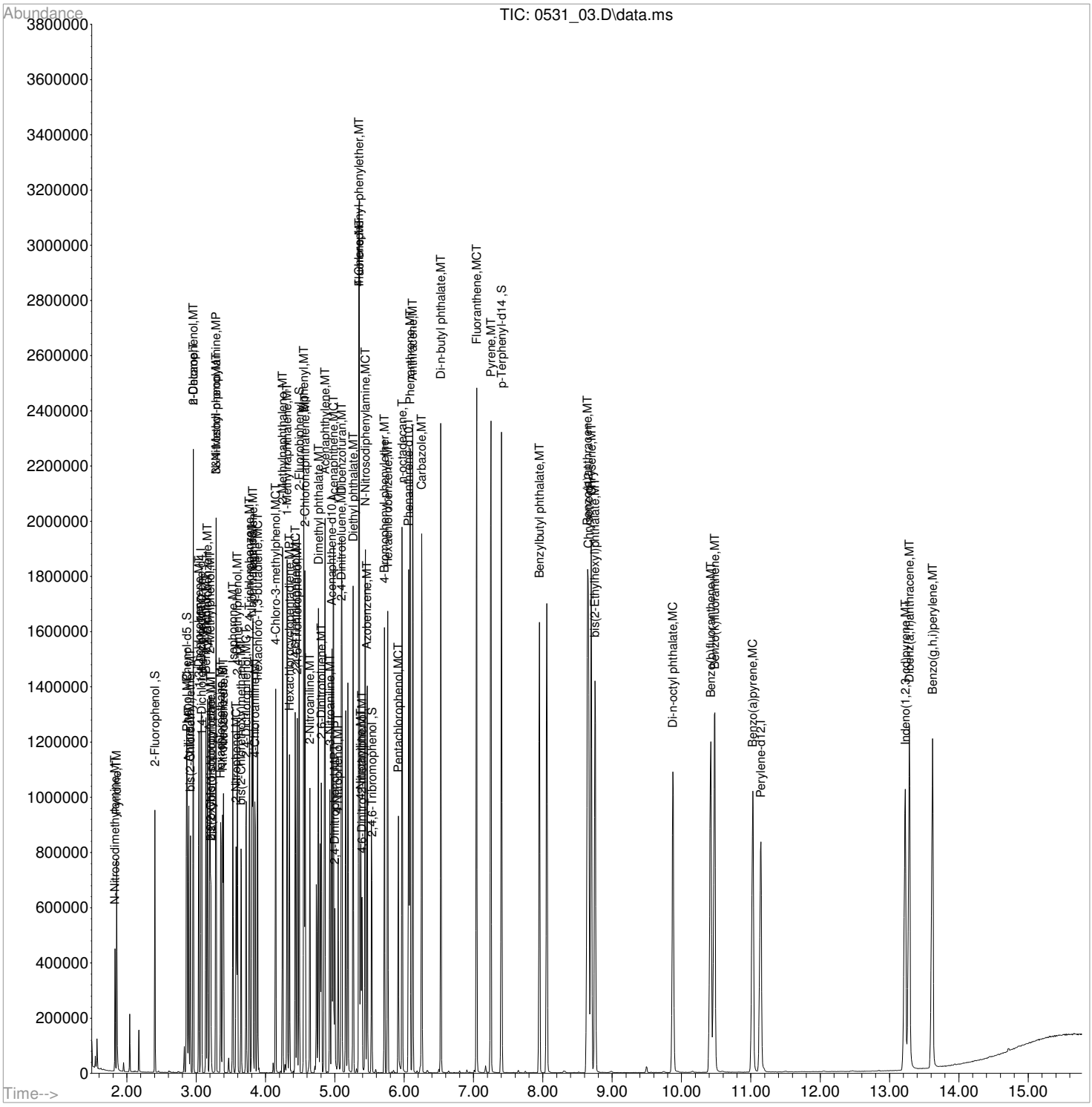
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40) 4-Chloro-3-methylphenol	4.146	107	175491	11173.3246639 ppb		95
41) 2-Methylnaphthalene	4.246	142	387591	10066.7153520 ppb		97
42) 1-Methylnaphthalene	4.311	142	371264	10233.3500191 ppb		100
47) Hexachlorocyclopentadiene	4.346	237	127631	8888.6223940 ppb		97
48) 2,4,6-Trichlorophenol	4.428	196	134925	10879.2770820 ppb		98
49) 2,4,5-Trichlorophenol	4.458	196	149736	11265.6776337 ppb		95
51) Biphenyl	4.552	154	505183	9756.7759360 ppb		99
52) 2-Chloronaphthalene	4.569	162	390981	9843.5300862 ppb		98
53) 2-Nitroaniline	4.640	138	137649	10655.7877400 ppb		95
54) Acenaphthylene	4.858	152	619724	10081.5173478 ppb		99
55) Dimethyl phthalate	4.763	163	479189	10402.8448829 ppb		97
56) 2,6-Dinitrotoluene	4.805	165	114691	11416.1591394 ppb		97
57) 3-Nitroaniline	4.928	138	122309	10957.2383317 ppb		97
58) Acenaphthene	4.981	153	402508	9684.7890650 ppb		97
59) 2,4-Dinitrophenol	4.999	184	69582	13144.5537361 ppb	#	1
60) Dibenzofuran	5.099	168	590526	10261.1942459 ppb		99
61) 2,4-Dinitrotoluene	5.093	165	160220	12223.6814469 ppb		96
63) 4-Nitrophenol	5.046	139	101920	11566.3952596 ppb		93
64) Fluorene	5.352	166	494411	10184.9543946 ppb		100
65) 4-Chlorophenyl-phenyle...	5.346	204	243649	10327.7769483 ppb		95
66) Diethyl phthalate	5.263	149	476618	10426.3300193 ppb		100
67) 4-Nitroaniline	5.375	138	126720m	10566.3181516 ppb		
68) Azobenzene	5.463	77	479997	10658.6160259 ppb		95
71) 4,6-Dinitro-2-methylph...	5.393	198	96912	12444.4547820 ppb		94
72) N-Nitrosodiphenylamine	5.440	169	428384	9737.2359813 ppb		98
74) 4-Bromophenyl-phenylether	5.716	248	152492	10304.9914572 ppb		89
75) Hexachlorobenzene	5.763	284	167556	10245.3047032 ppb		99
76) n-octadecane	5.969	55	57994	9289.6283806 ppb		97
77) Pentachlorophenol	5.916	266	86617	9054.9393940 ppb		96
78) Phenanthrene	6.087	178	739612	9667.5655621 ppb		100
79) Anthracene	6.122	178	739140	9773.0916371 ppb		100
80) Carbazole	6.252	167	707767	10077.5781703 ppb		99
81) Di-n-butyl phthalate	6.528	149	857756	10309.4755370 ppb		100
83) Fluoranthene	7.046	202	867469	10718.9477451 ppb		99
86) Pyrene	7.252	202	885623	9598.0988490 ppb		100
88) Benzylbutyl phthalate	7.952	149	384222	9701.2174973 ppb		97
90) Benzo(a)anthracene	8.646	228	869402	10034.5206539 ppb		98
91) Chrysene	8.699	228	838216	10021.7913514 ppb		100
92) bis(2-Ethylhexyl)phtha...	8.752	149	545729	9639.5060532 ppb		98
93) Di-n-octyl phthalate	9.875	149	877284	9659.0165288 ppb		100
95) Benzo(b)fluoranthene	10.422	252	858871	10544.7249633 ppb		98
96) Benzo(k)fluoranthene	10.481	252	850230	10397.1335483 ppb		96
97) Benzo(a)pyrene	11.028	252	739462	10433.5452742 ppb		98
98) Indeno(1,2,3-cd)pyrene	13.228	276	691663	9862.4318413 ppb		96
99) Dibenz(a,h)anthracene	13.287	278	772595	10316.4704533 ppb		98
100) Benzo(g,h,i)perylene	13.622	276	770414	10379.7977824 ppb		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\053122\
Data File : 0531_03.D
Acq On : 31 May 2022 11:47 am
Operator : 917
Sample : ICV SVMS 10K ppb 22E10461 exp 10/01/22
Misc : SVMS CAL ISTD 22E03623 exp 11/03/22
ALS Vial : 3 Sample Multiplier: 1

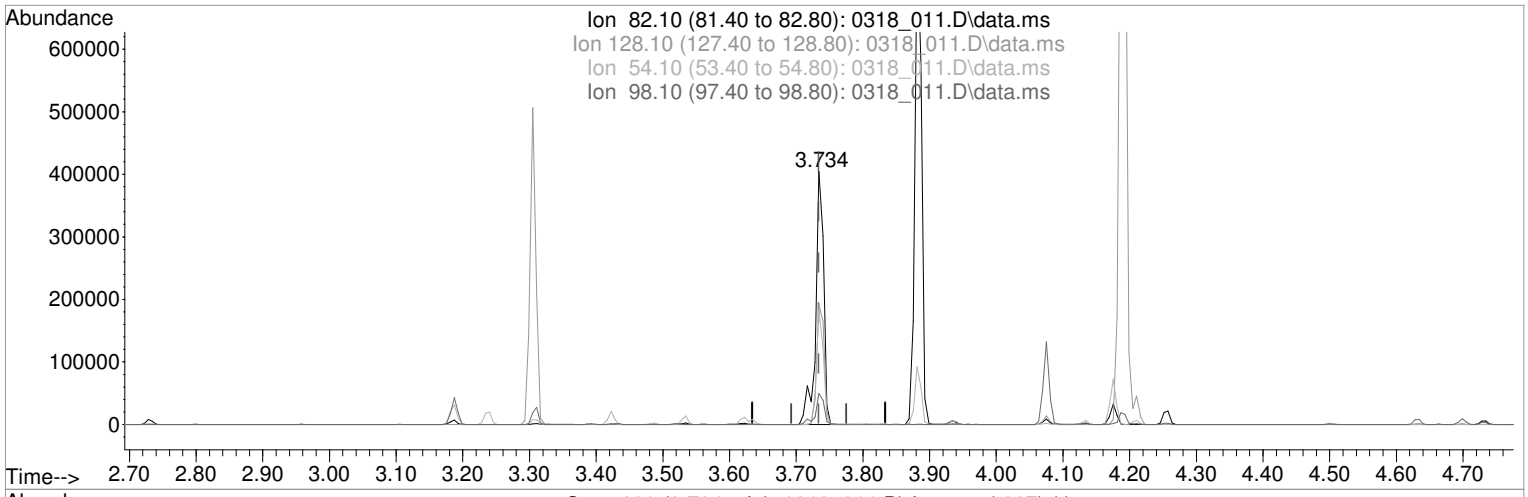
Quant Time: May 31 13:50:58 2022
Quant Method : C:\GCMS\1\methods\S833E31V.M
Quant Title : 8270 BNA
QLast Update : Tue May 31 13:50:44 2022
Response via : Initial Calibration

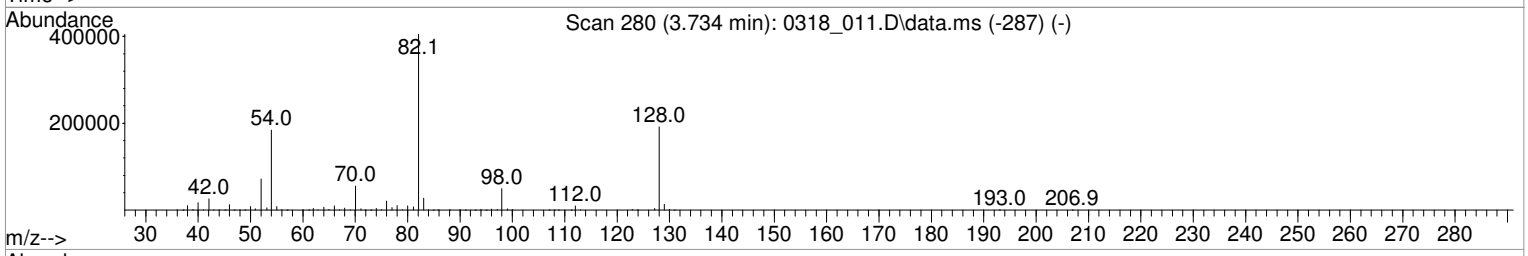


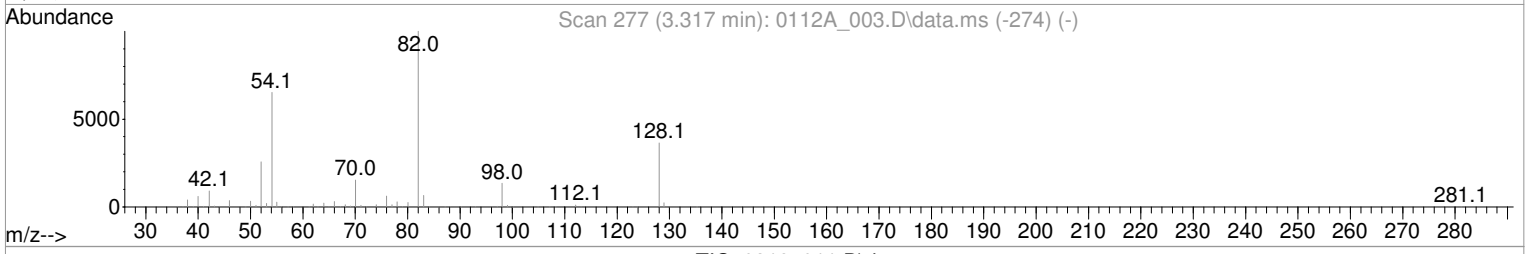
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_011.D
Acq On : 18 Mar 2022 06:31 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 22 16:31:45 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:31:34 2022
Response via : Initial Calibration







TIC: 0318_011.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (0.000) 11329.3295118 ppb

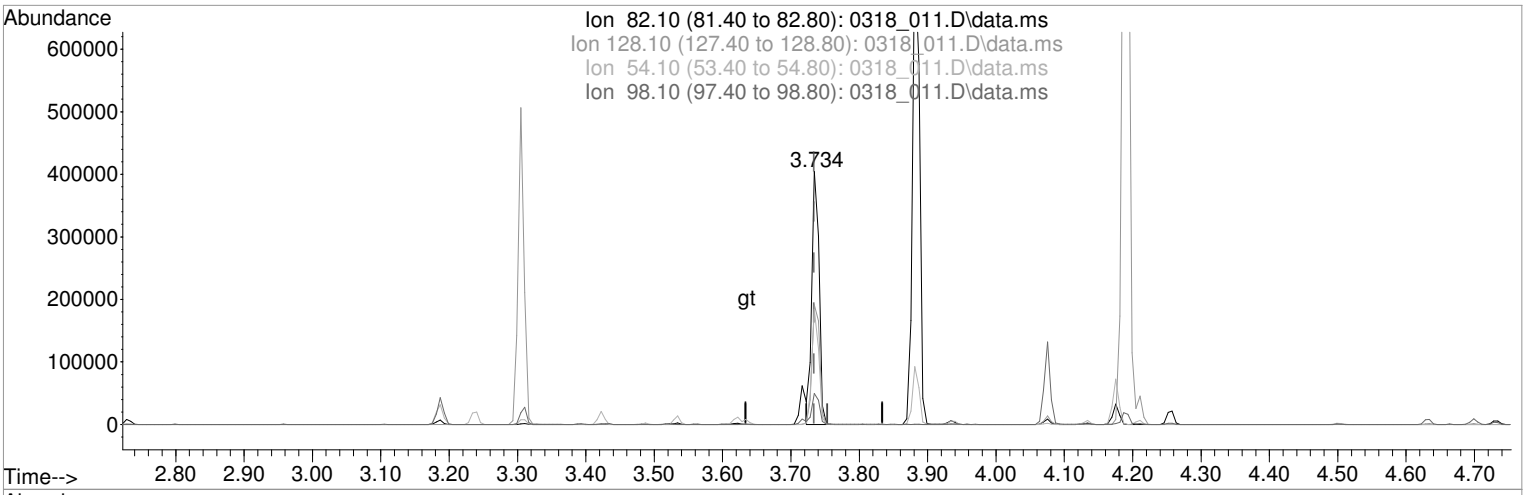
Qvalue = 100

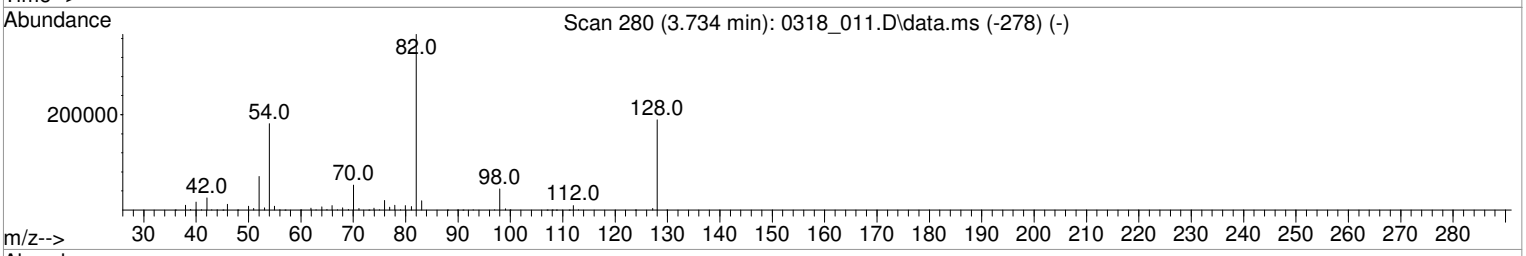
response 335594

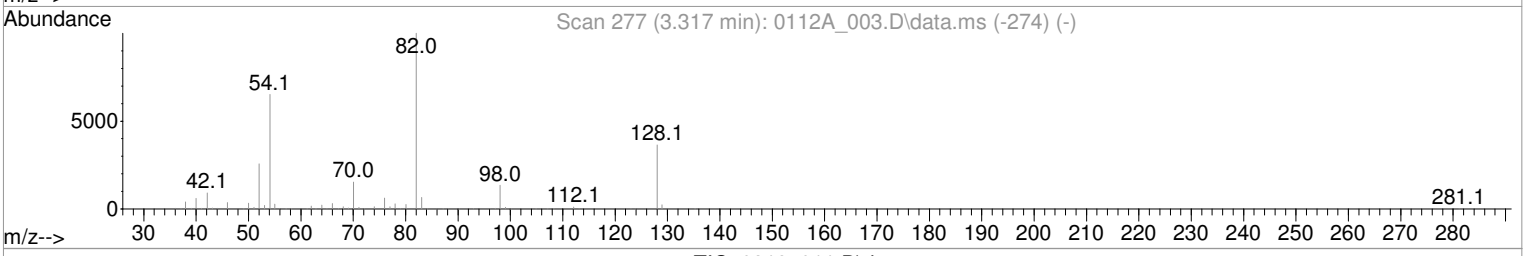
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	47.31
54.10	45.60	45.57
98.10	12.30	12.25

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_011.D
Acq On : 18 Mar 2022 06:31 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 22 16:31:45 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:31:34 2022
Response via : Initial Calibration







TIC: 0318_011.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (0.000) 9970.7984349 ppb m

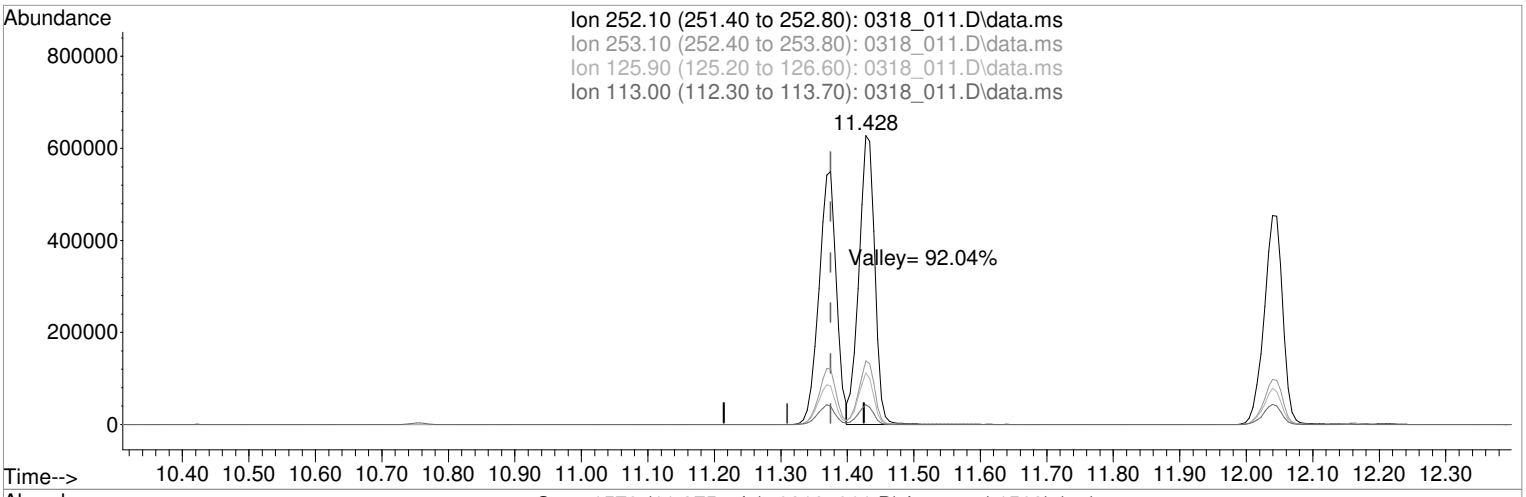
response 295352

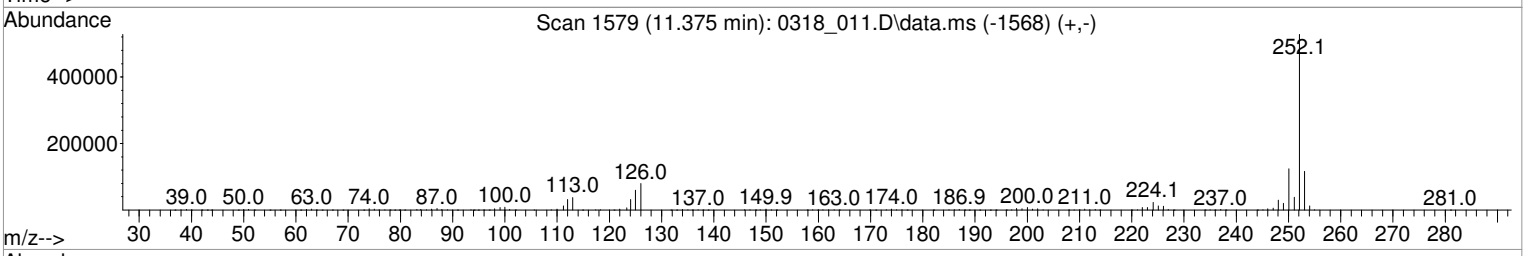
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	47.31
54.10	45.60	45.57
98.10	12.30	12.25

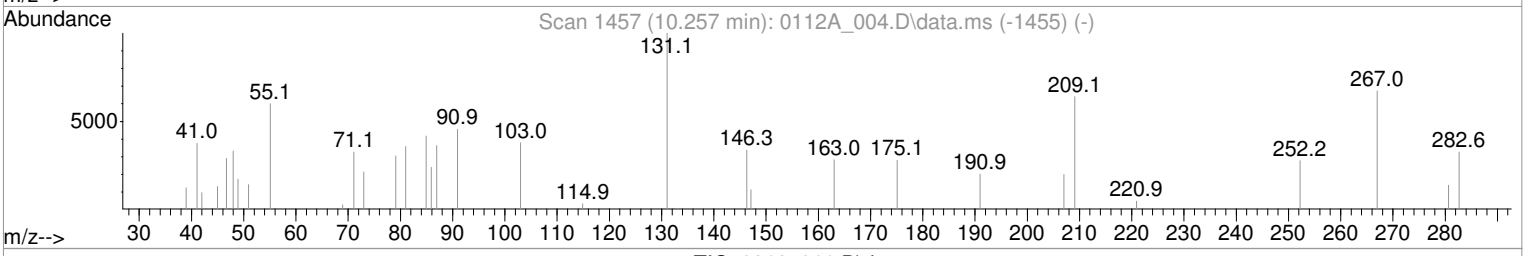
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_011.D
Acq On : 18 Mar 2022 06:31 pm
Operator : 917
Sample : MSTD SVMS 10K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 22 16:31:45 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:31:34 2022
Response via : Initial Calibration







TIC: 0318_011.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.375min (0.000) 9999.7711607 ppb

Qvalue = 100

response 1005049

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.00	22.06
125.90	15.10	15.08
113.00	7.20	7.21

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_012.D
Acq On : 18 Mar 2022 06:52 pm
Operator : 917
Sample : STD SVMS 20K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 16:51:26 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:51:23 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.422	152	194345	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.175	136	735924	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.363	164	426982	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.499	188	793999	8000.0000000 ppb	0.00
84) Chrysene-d12	9.404	240	734680	8000.0000000 ppb	0.02
94) Perylene-d12	12.169	264	698270	8000.0000000 ppb	0.01
System Monitoring Compounds					
4) 2-Fluorophenol	2.734	112	578038	20243.0653208 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 506.08%#		
7) Phenol-d5	3.187	99	739735	20549.2561443 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 513.73%#		
24) Nitrobenzene-d5	3.740	82	623886m	21035.4233332 ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 1051.77%#		
50) 2-Fluorobiphenyl	4.875	172	1469854	20889.0074299 ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 1044.45%#		
73) 2,4,6-Tribromophenol	5.952	330	209284	25142.0886330 ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 628.55%#		
87) p-Terphenyl-d14	7.951	244	1975075	21064.5683934 ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 1053.23%#		
Target Compounds					Qvalue
2) Pyridine	2.175	79	591257	19861.2083300 ppb	99
3) N-Nitrosodimethylamine	2.146	42	249792	18923.8056530 ppb	98
5) Aniline	3.240	66	300133	20414.0394169 ppb	96
6) bis(2-Chloroethyl)ether	3.263	93	582828	19768.7429668 ppb	96
8) Phenol	3.199	94	745898	20593.0670245 ppb	97
10) 2-Chlorophenol	3.305	128	675951	21682.1758830 ppb	97
11) n-Decane	3.311	41	261990	18656.0135147 ppb	98
12) 1,3-Dichlorobenzene	3.393	146	707920	19991.4396903 ppb	98
13) 1,4-Dichlorobenzene	3.434	146	737680	20161.7215829 ppb	98
14) Benzyl Alcohol	3.487	79	498297	20542.2507419 ppb	99
15) 1,2-Dichlorobenzene	3.522	146	688765	20163.4584016 ppb	98
16) bis(2-Chloroisopropyl)...	3.558	121	220522	20035.8251171 ppb	96
17) 2,2-oxybis(1-chloropro...	3.558	121	220522	20035.8251171 ppb	96
18) 2-Methylphenol	3.534	108	574962	20869.6416900 ppb	99
19) Hexachloroethane	3.716	117	282482	20041.6745087 ppb	98
20) N-Nitrosodi-n-propylamine	3.640	70	427544	20447.6410655 ppb	98
21) 3&4-Methyl phenol	3.628	107	652119	20626.7190706 ppb	99
25) Nitrobenzene	3.752	77	613965	20857.3630559 ppb	94
26) Isophorone	3.887	82	1176357	20562.0346439 ppb	95
27) 2-Nitrophenol	3.940	139	340562	24588.3213183 ppb	96
28) 2,4-Dimethylphenol	3.940	107	651387	21364.0622947 ppb	98
29) bis(2-Chlorethoxy)methane	4.005	93	723123	20345.3271378 ppb	96
30) 2,4-Dichlorophenol	4.081	162	540806	21423.7065019 ppb	93
32) 1,2,4-Trichlorobenzene	4.134	180	604013	20585.2557514 ppb	99
34) Naphthalene	4.193	128	1843541	19206.6609631 ppb	99
35) 4-Chloroaniline	4.210	65	203538	20810.7604168 ppb	97
36) Hexachloro-1,3-butadiene	4.258	225	349753	20375.9739582 ppb	99

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_012.D
Acq On : 18 Mar 2022 06:52 pm
Operator : 917
Sample : STD SVMS 20K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 16:51:26 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:51:23 2022
Response via : Initial Calibration

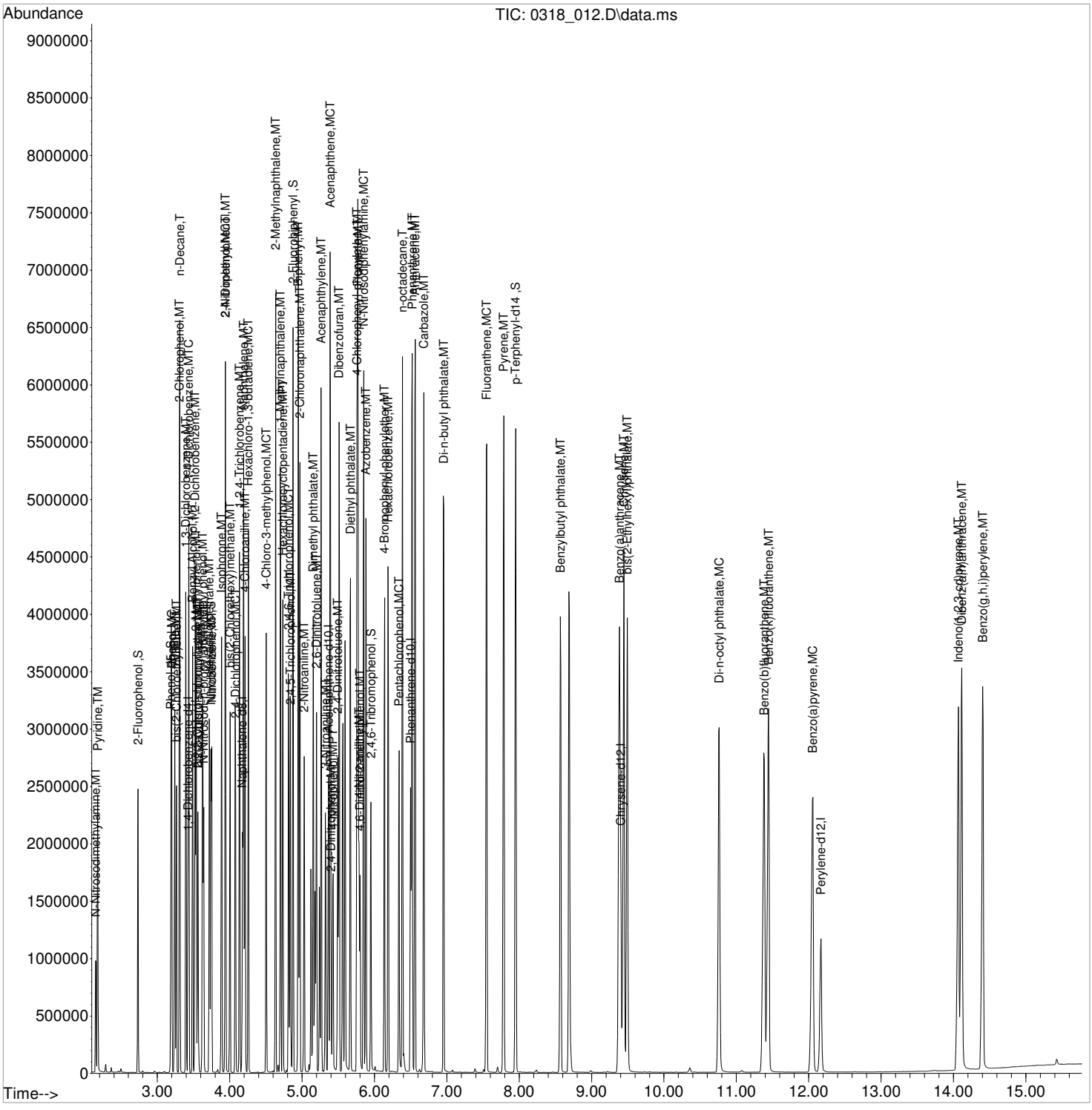
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40)	4-Chloro-3-methylphenol	4.505	107	538684	22032.8206063 ppb		92
41)	2-Methylnaphthalene	4.634	142	1290253	20433.0347814 ppb		98
42)	1-Methylnaphthalene	4.699	142	1203476	20285.6570087 ppb		100
47)	Hexachlorocyclopentadiene	4.734	237	455386	22604.5659191 ppb		97
48)	2,4,6-Trichlorophenol	4.810	196	390315	22717.2453569 ppb		97
49)	2,4,5-Trichlorophenol	4.840	196	434343	23326.4809239 ppb		94
51)	Biphenyl	4.946	154	1619335	20842.5602329 ppb		99
52)	2-Chloronaphthalene	4.969	162	1215119	20574.9831024 ppb		98
53)	2-Nitroaniline	5.028	138	416713	24733.8756788 ppb		100
54)	Acenaphthylene	5.263	152	1898856	20481.4803533 ppb		99
55)	Dimethyl phthalate	5.152	163	1411335	20325.7374211 ppb		98
56)	2,6-Dinitrotoluene	5.199	165	329118	23737.4824153 ppb		96
57)	3-Nitroaniline	5.322	138	363273	23318.1977087 ppb		99
58)	Acenaphthene	5.387	153	1286421	20592.9607727 ppb		98
59)	2,4-Dinitrophenol	5.399	184	151788	32321.0917101 ppb	#	17
60)	Dibenzofuran	5.510	168	1771051	20467.3945618 ppb		99
61)	2,4-Dinitrotoluene	5.493	165	429828	25546.7409120 ppb		95
63)	4-Nitrophenol	5.428	139	283199	25147.8847901 ppb		92
64)	Fluorene	5.769	166	1544945	21467.9348890 ppb		100
65)	4-Chlorophenyl-phenyle...	5.757	204	734348	21216.2576343 ppb		91
66)	Diethyl phthalate	5.669	149	1418837	20925.9378678 ppb		99
67)	4-Nitroaniline	5.787	138	393656	23763.2197134 ppb		99
68)	Azobenzene	5.881	77	1382699	20266.0214371 ppb		98
71)	4,6-Dinitro-2-methylph...	5.799	198	209825	35026.0797332 ppb		91
72)	N-Nitrosodiphenylamine	5.852	169	1283490	21657.5858682 ppb		100
74)	4-Bromophenyl-phenylether	6.140	248	423126	21785.7941177 ppb		90
75)	Hexachlorobenzene	6.187	284	465608	21489.9023787 ppb		99
76)	n-octadecane	6.387	55	182335	21310.0825366 ppb		97
77)	Pentachlorophenol	6.340	266	249866	27703.5141089 ppb		97
78)	Phenanthrene	6.522	178	2148195	19979.8375198 ppb		100
79)	Anthracene	6.563	178	2193818	21066.5563211 ppb		99
80)	Carbazole	6.681	167	2025177	21179.1353069 ppb		99
81)	Di-n-butyl phthalate	6.957	149	2454233	21890.4741195 ppb		100
83)	Fluoranthene	7.551	202	2322995	20975.0772542 ppb		99
86)	Pyrene	7.787	202	2391592	19885.3401638 ppb		99
88)	Benzylbutyl phthalate	8.569	149	1086352	22761.4699747 ppb		97
90)	Benzo(a)anthracene	9.387	228	2215749	18292.5020983 ppb		98
91)	Chrysene	9.445	228	2132642	19599.2001365 ppb		99
92)	bis(2-Ethylhexyl)phtha...	9.493	149	1554177	22903.2521245 ppb		99
93)	Di-n-octyl phthalate	10.763	149	2582164	24387.5082964 ppb		100
95)	Benzo(b)fluoranthene	11.387	252	2138882	22013.8262556 ppb		99
96)	Benzo(k)fluoranthene	11.445	252	2126081	21634.2257372 ppb		99
97)	Benzo(a)pyrene	12.057	252	1865370	22178.2467288 ppb		98
98)	Indeno(1,2,3-cd)pyrene	14.069	276	1839144m	22538.1315827 ppb		
99)	Dibenz(a,h)anthracene	14.116	278	1965240m	22667.0455937 ppb		
100)	Benzo(g,h,i)perylene	14.404	276	1949464	22038.9567384 ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_012.D
Acq On : 18 Mar 2022 06:52 pm
Operator : 917
Sample : STD SVMS 20K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 9 Sample Multiplier: 1

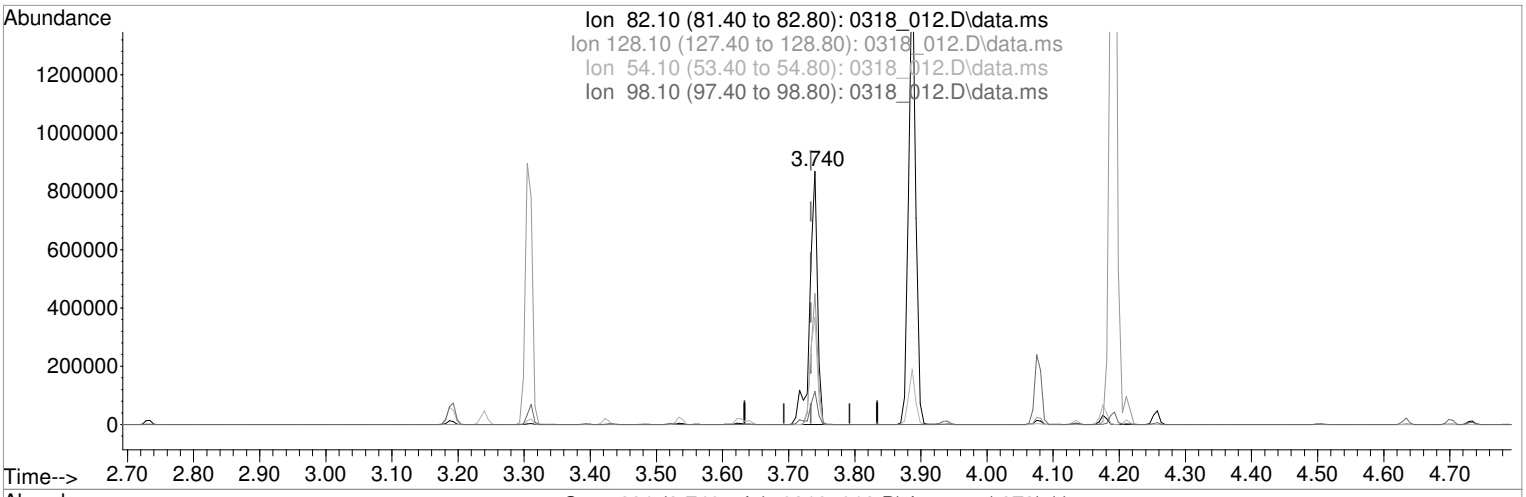
Quant Time: Mar 22 16:51:26 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:51:23 2022
Response via : Initial Calibration

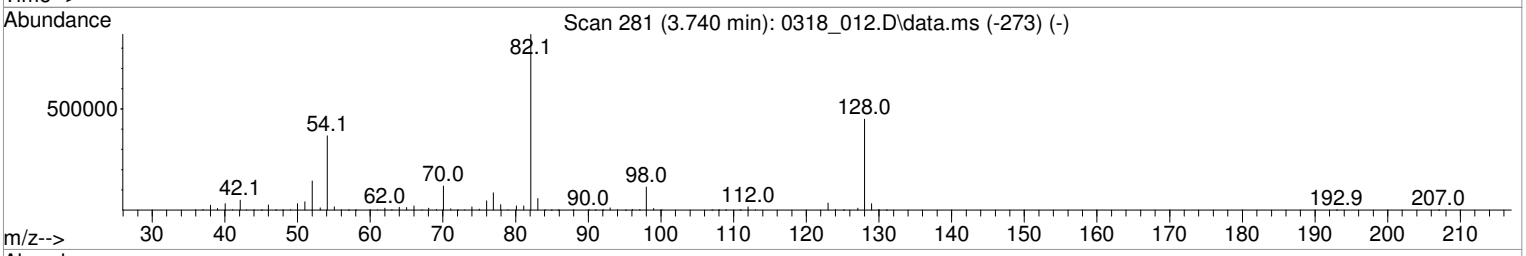


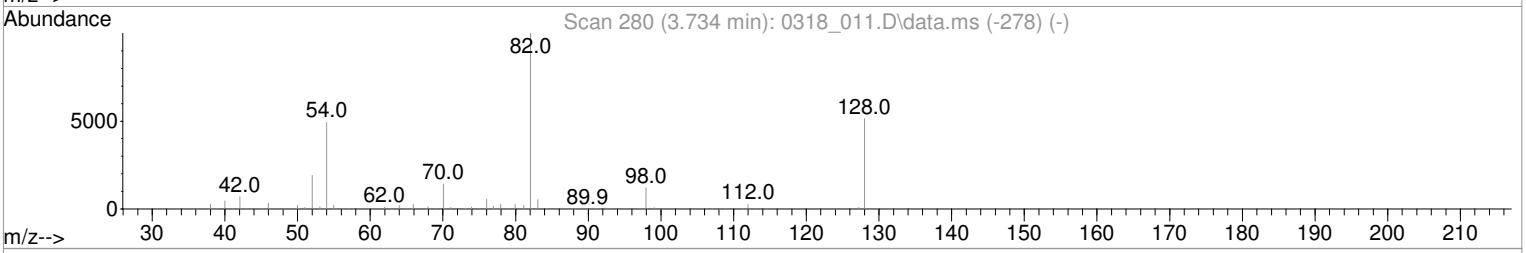
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_012.D
Acq On : 18 Mar 2022 06:52 pm
Operator : 917
Sample : STD SVMS 20K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 16:51:26 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:51:23 2022
Response via : Initial Calibration







TIC: 0318_012.D\data.ms

(24) Nitrobenzene-d5 (S)

3.740min (+ 0.006) 23725.2464215 ppb

Qvalue = 95

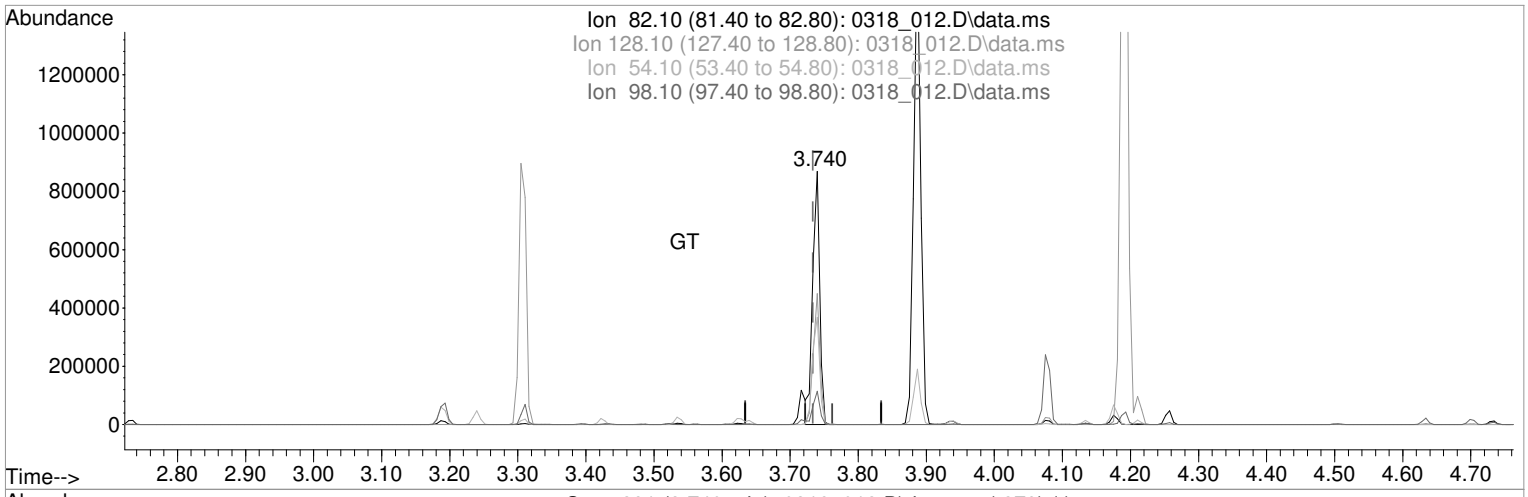
response 703663

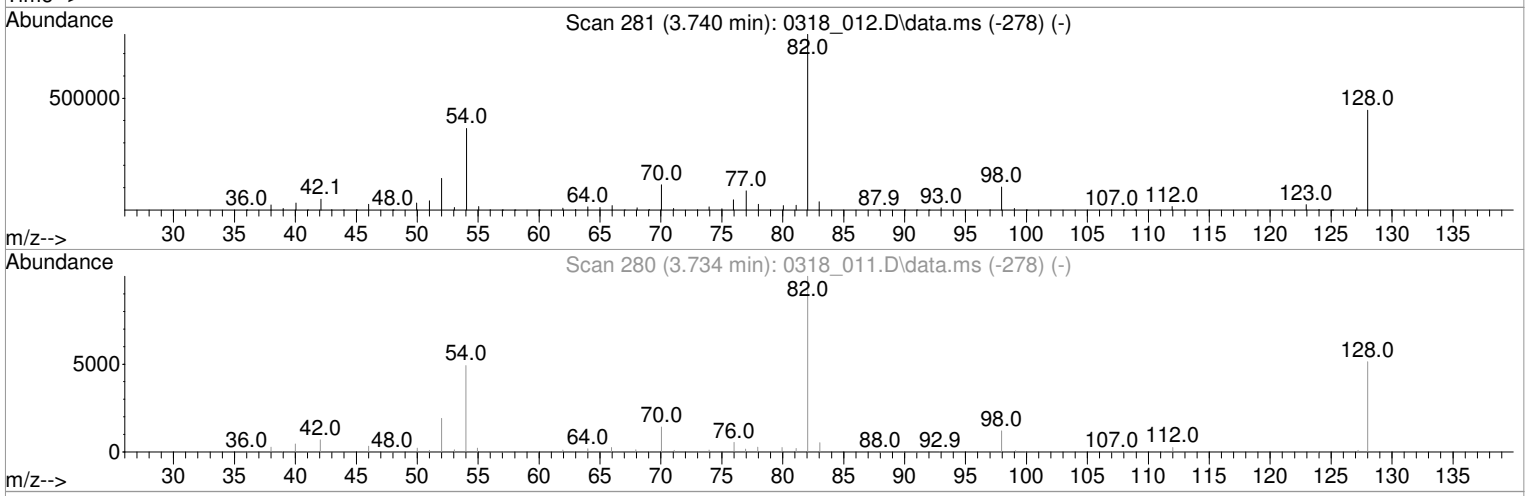
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	51.67
54.10	45.60	42.36
98.10	12.30	13.20

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_012.D
Acq On : 18 Mar 2022 06:52 pm
Operator : 917
Sample : STD SVMS 20K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 16:51:26 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:51:23 2022
Response via : Initial Calibration





TIC: 0318_012.D\data.ms

(24) Nitrobenzene-d5 (S)

3.740min (+ 0.006) 21035.4233332 ppb m

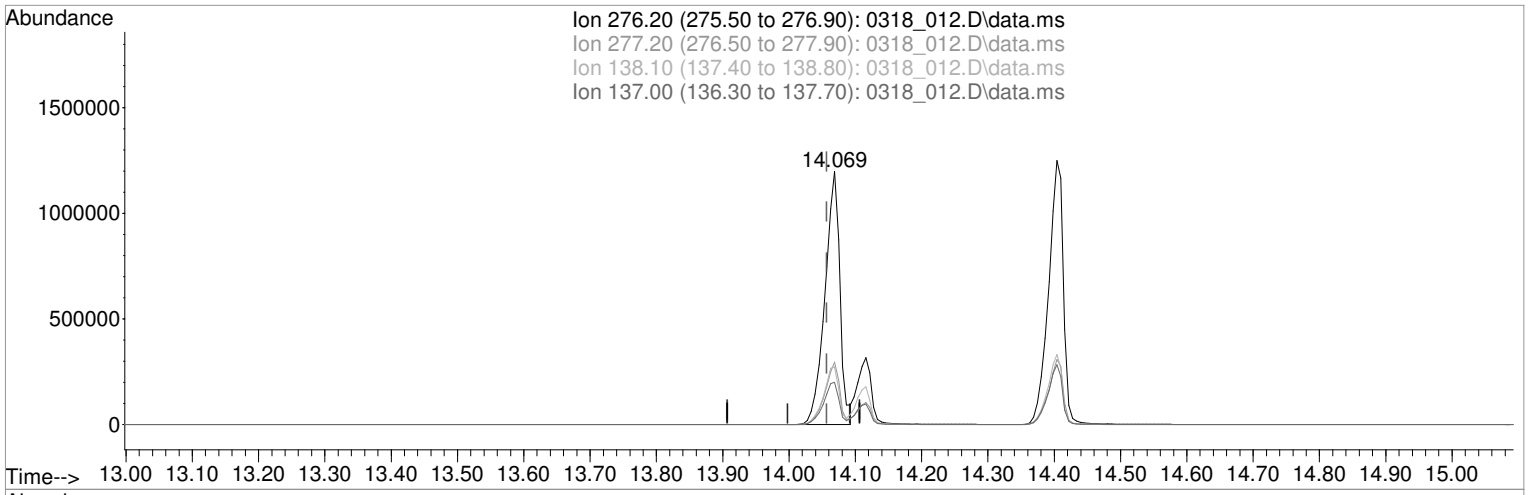
response 623886

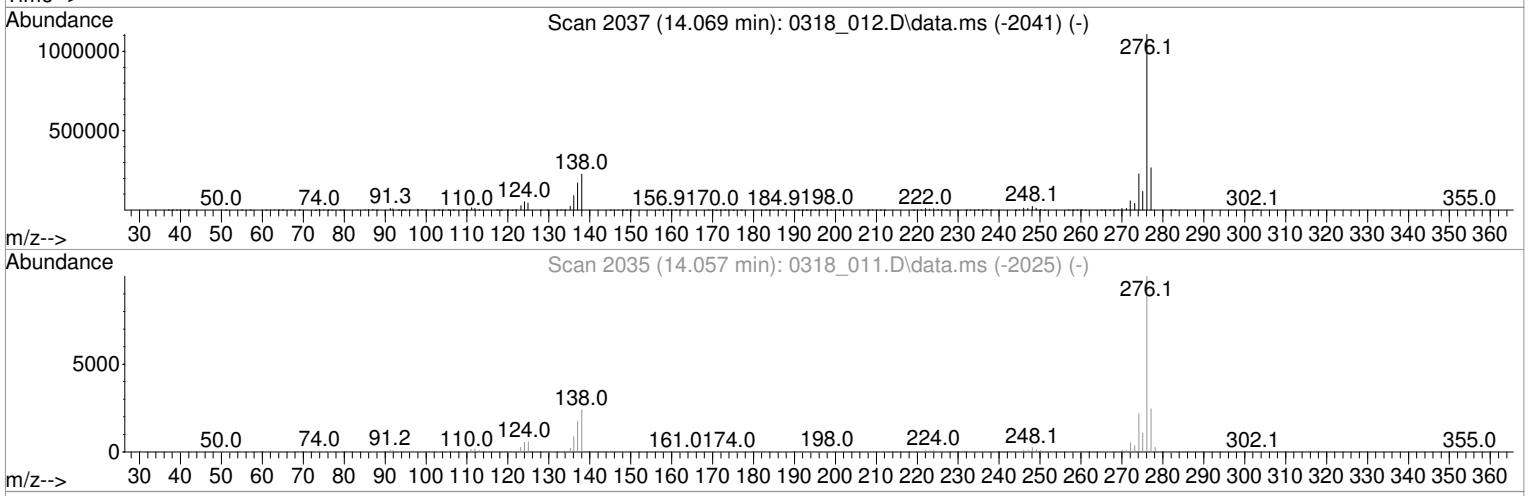
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	51.67
54.10	45.60	42.36
98.10	12.30	13.20

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_012.D
Acq On : 18 Mar 2022 06:52 pm
Operator : 917
Sample : STD SVMS 20K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 16:51:26 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:51:23 2022
Response via : Initial Calibration





TIC: 0318_012.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

14.069min (+ 0.012) 22941.0043734 ppb

Qvalue = 98

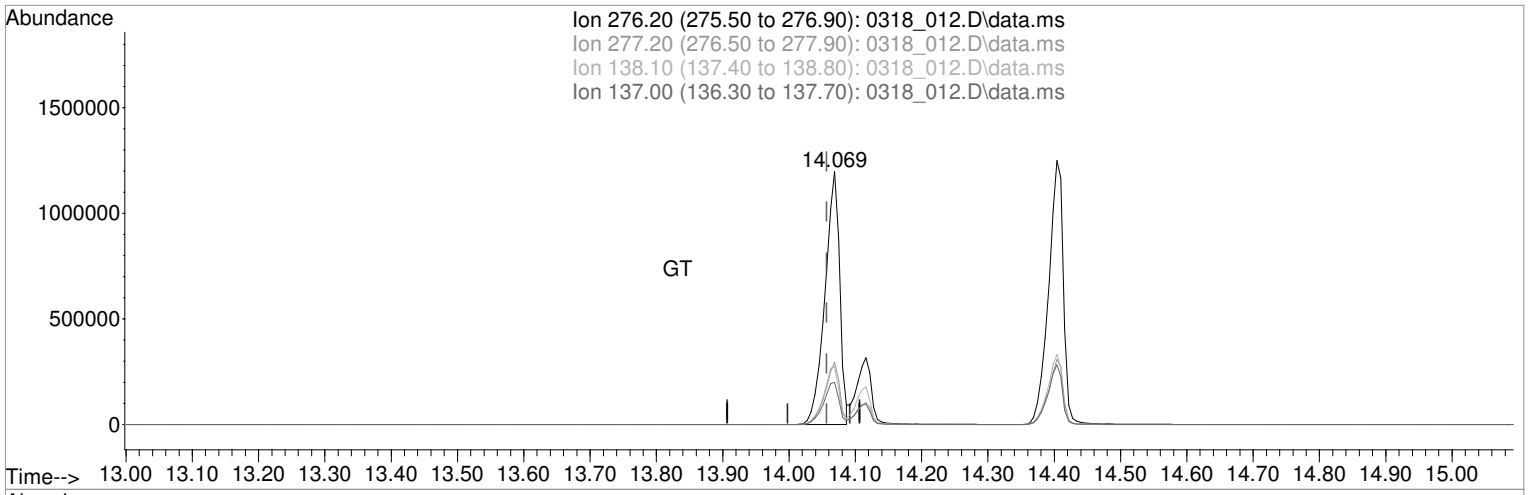
response 1872019

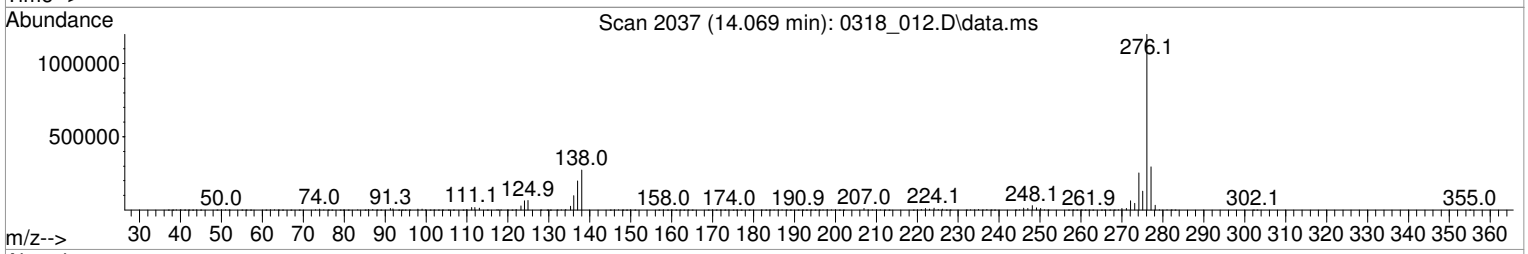
Ion	Exp%	Act%
276.20	100.00	100.00
277.20	24.50	24.62
138.10	24.00	22.70
137.00	17.50	16.62

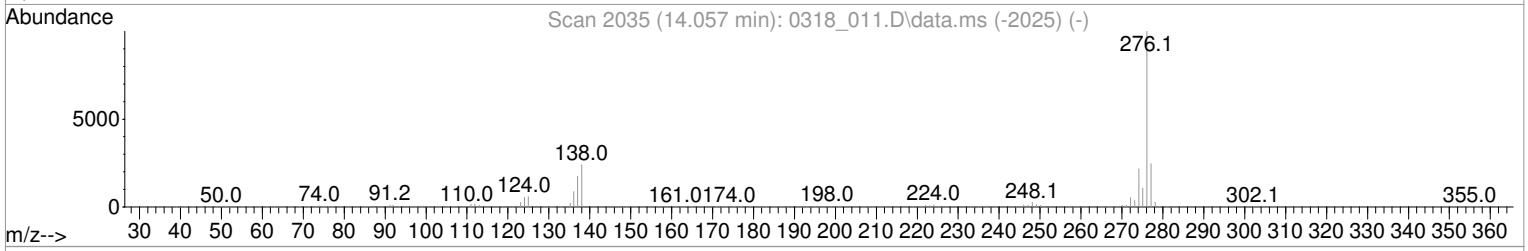
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_012.D
Acq On : 18 Mar 2022 06:52 pm
Operator : 917
Sample : STD SVMS 20K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 16:51:26 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:51:23 2022
Response via : Initial Calibration







TIC: 0318_012.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

14.069min (+ 0.012) 22538.1315827 ppb m

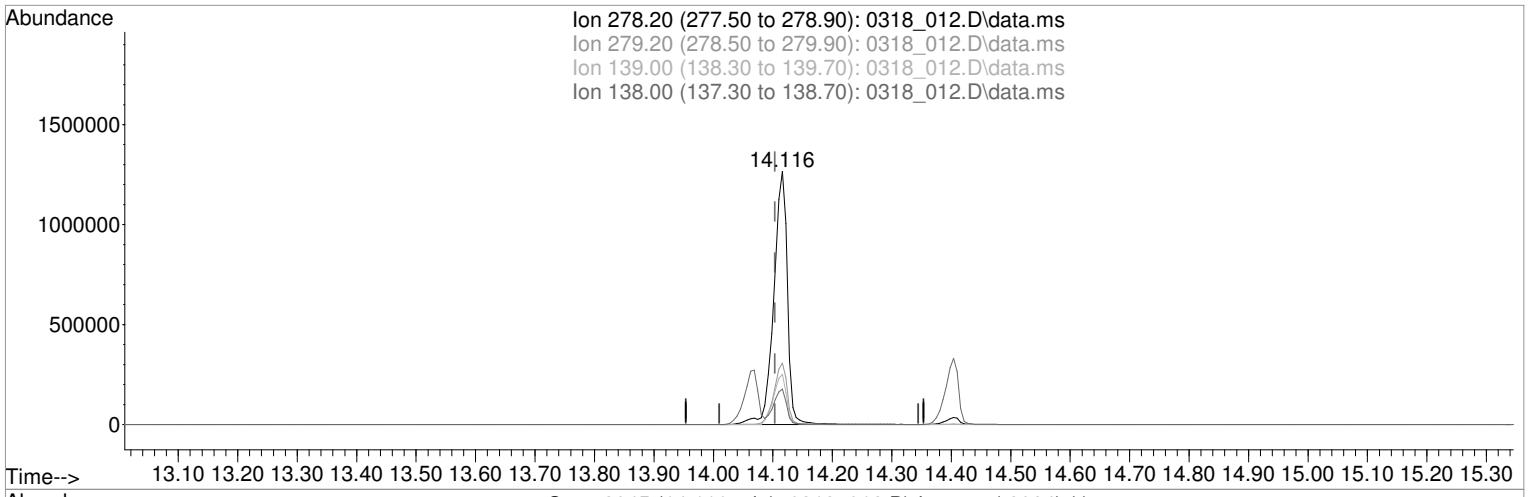
response 1839144

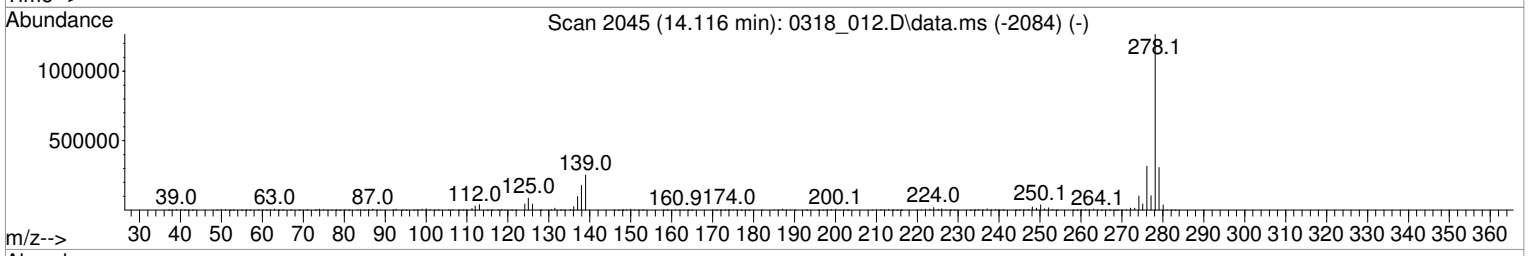
Ion	Exp%	Act%
276.20	100.00	100.00
277.20	24.50	24.62
138.10	24.00	22.70
137.00	17.50	16.63

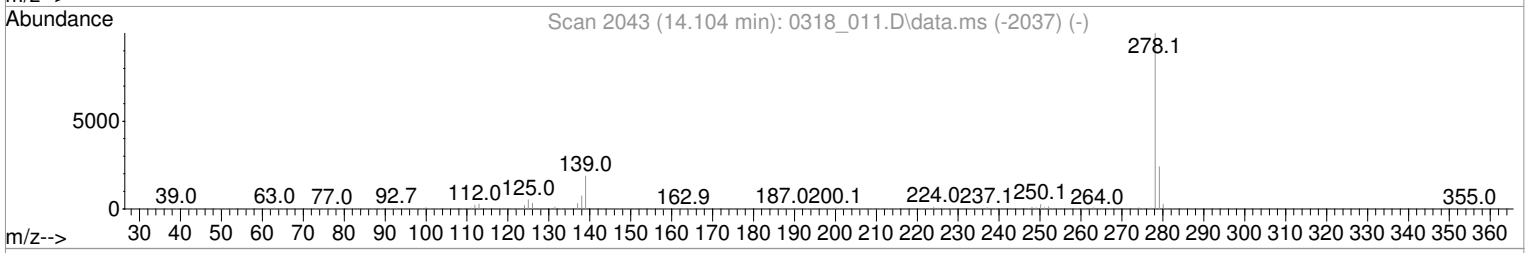
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_012.D
Acq On : 18 Mar 2022 06:52 pm
Operator : 917
Sample : STD SVMS 20K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 16:51:26 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:51:23 2022
Response via : Initial Calibration







TIC: 0318_012.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

14.116min (+ 0.012) 23303.9636926 ppb

Qvalue = 98

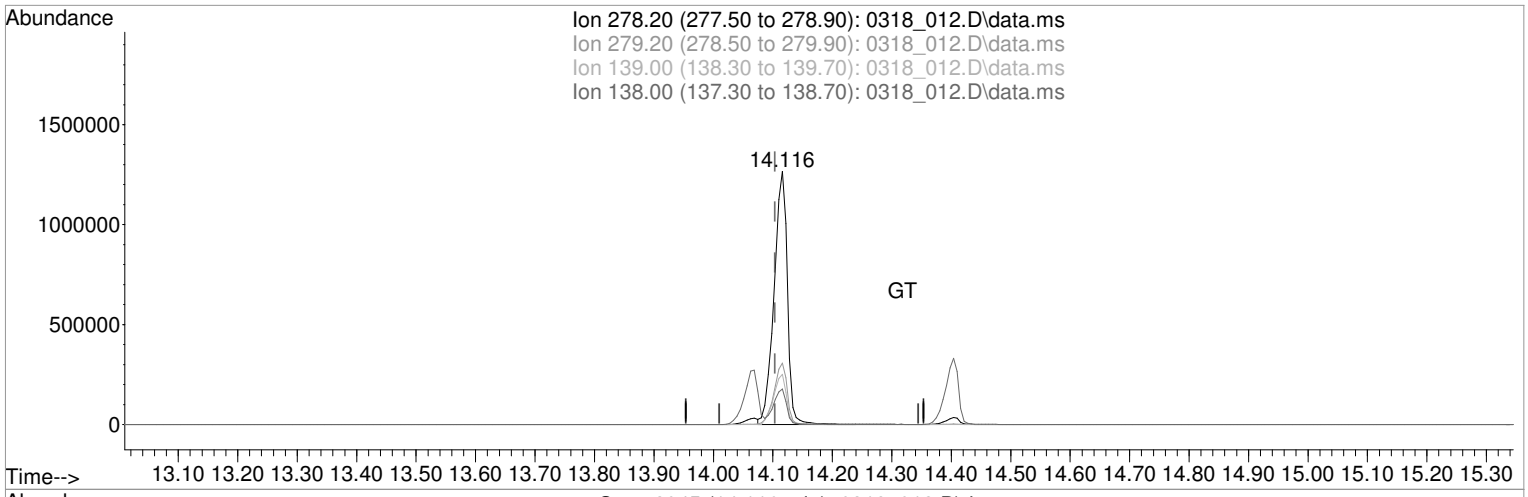
response 2020461

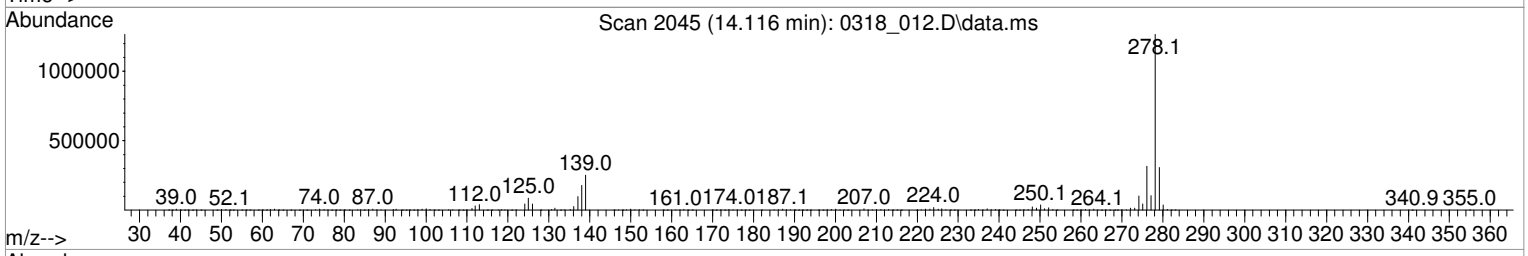
Ion	Exp%	Act%
278.20	100.00	100.00
279.20	24.00	24.24
139.00	18.50	19.84
138.00	13.50	14.06

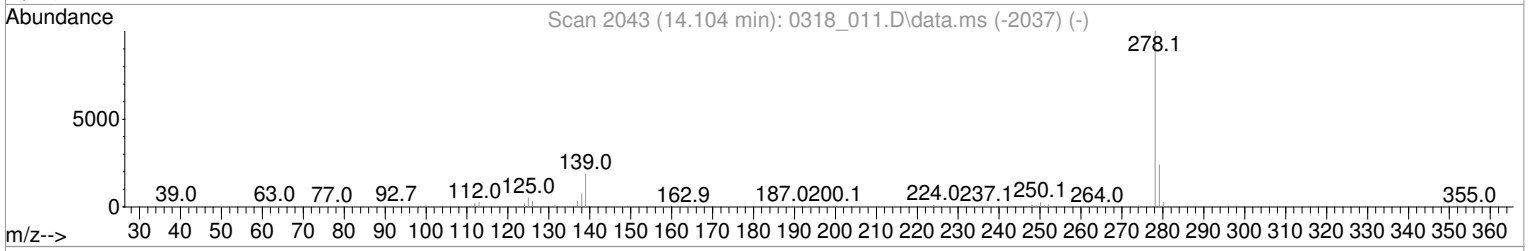
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_012.D
Acq On : 18 Mar 2022 06:52 pm
Operator : 917
Sample : STD SVMS 20K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 16:51:26 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:51:23 2022
Response via : Initial Calibration







TIC: 0318_012.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

14.116min (+ 0.012) 22667.0455937 ppb m

response 1965240

Ion	Exp%	Act%
278.20	100.00	100.00
279.20	24.00	24.24
139.00	18.50	19.84
138.00	13.50	14.06

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_013.D
Acq On : 18 Mar 2022 07:13 pm
Operator : 917
Sample : STD SVMS 30K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 22 16:53:33 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:53:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.423	152	196116	8000.0000000 ppb		0.00
23) Naphthalene-d8	4.175	136	744984	8000.0000000 ppb		0.00
46) Acenaphthene-d10	5.364	164	429360	8000.0000000 ppb		0.00
70) Phenanthrene-d10	6.499	188	797027	8000.0000000 ppb		0.00
84) Chrysene-d12	9.405	240	747290	8000.0000000 ppb		0.02
94) Perylene-d12	12.175	264	712568	8000.0000000 ppb		0.02
System Monitoring Compounds						
4) 2-Fluorophenol	2.734	112	897869	31096.7080368 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 777.42%#			
7) Phenol-d5	3.193	99	1151835	31563.6533700 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 789.09%#			
24) Nitrobenzene-d5	3.740	82	960578m	31720.0180359 ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 1586.00%#			
50) 2-Fluorobiphenyl	4.875	172	2196983	30821.4255156 ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 1541.07%#			
73) 2,4,6-Tribromophenol	5.952	330	332559	38164.4317192 ppb		0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 954.11%#			
87) p-Terphenyl-d14	7.952	244	2982492	30997.1307468 ppb		0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 1549.86%#			
Target Compounds						Qvalue
2) Pyridine	2.176	79	896379	29873.3539440 ppb		99
3) N-Nitrosodimethylamine	2.152	42	387065	29321.5314093 ppb		98
5) Aniline	3.240	66	461174	30977.3655044 ppb		93
6) bis(2-Chloroethyl)ether	3.264	93	892999	30073.7592801 ppb		98
8) Phenol	3.199	94	1155186	31449.4284927 ppb		99
10) 2-Chlorophenol	3.311	128	1059467	33211.5929315 ppb		92
11) n-Decane	3.311	41	382704	27311.7150153 ppb		95
12) 1,3-Dichlorobenzene	3.393	146	1086548	30408.8595496 ppb		98
13) 1,4-Dichlorobenzene	3.434	146	1118417	30250.9357441 ppb		98
14) Benzyl Alcohol	3.487	79	765801	31144.2572119 ppb		99
15) 1,2-Dichlorobenzene	3.523	146	1047998	30361.5248438 ppb		97
16) bis(2-Chloroisopropyl)...	3.564	121	334615	30118.3672190 ppb	#	84
17) 2,2-oxybis(1-chloropro...	3.564	121	334615	30118.3672190 ppb	#	84
18) 2-Methylphenol	3.540	108	873524	31194.2859095 ppb		99
19) Hexachloroethane	3.717	117	436139	30653.3324125 ppb		97
20) N-Nitrosodi-n-propylamine	3.646	70	639331	30187.7991815 ppb		97
21) 3&4-Methyl phenol	3.628	107	988999	30838.7827682 ppb		98
25) Nitrobenzene	3.752	77	936545	31206.0348234 ppb		97
26) Isophorone	3.893	82	1769034	30403.2369059 ppb		94
27) 2-Nitrophenol	3.940	139	538993	37025.9107383 ppb		90
28) 2,4-Dimethylphenol	3.946	107	1007006	32259.2279342 ppb		99
29) bis(2-Chlorethoxy)methane	4.005	93	1076165	29824.2410482 ppb		98
30) 2,4-Dichlorophenol	4.081	162	834287	32265.0517735 ppb		95
32) 1,2,4-Trichlorobenzene	4.134	180	919687	30812.2268697 ppb		98
34) Naphthalene	4.193	128	2767748	28647.0334537 ppb		98
35) 4-Chloroaniline	4.211	65	305243	30623.1462854 ppb		99
36) Hexachloro-1,3-butadiene	4.258	225	537991	30864.5103817 ppb		98

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_013.D
Acq On : 18 Mar 2022 07:13 pm
Operator : 917
Sample : STD SVMS 30K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 10 Sample Multiplier: 1

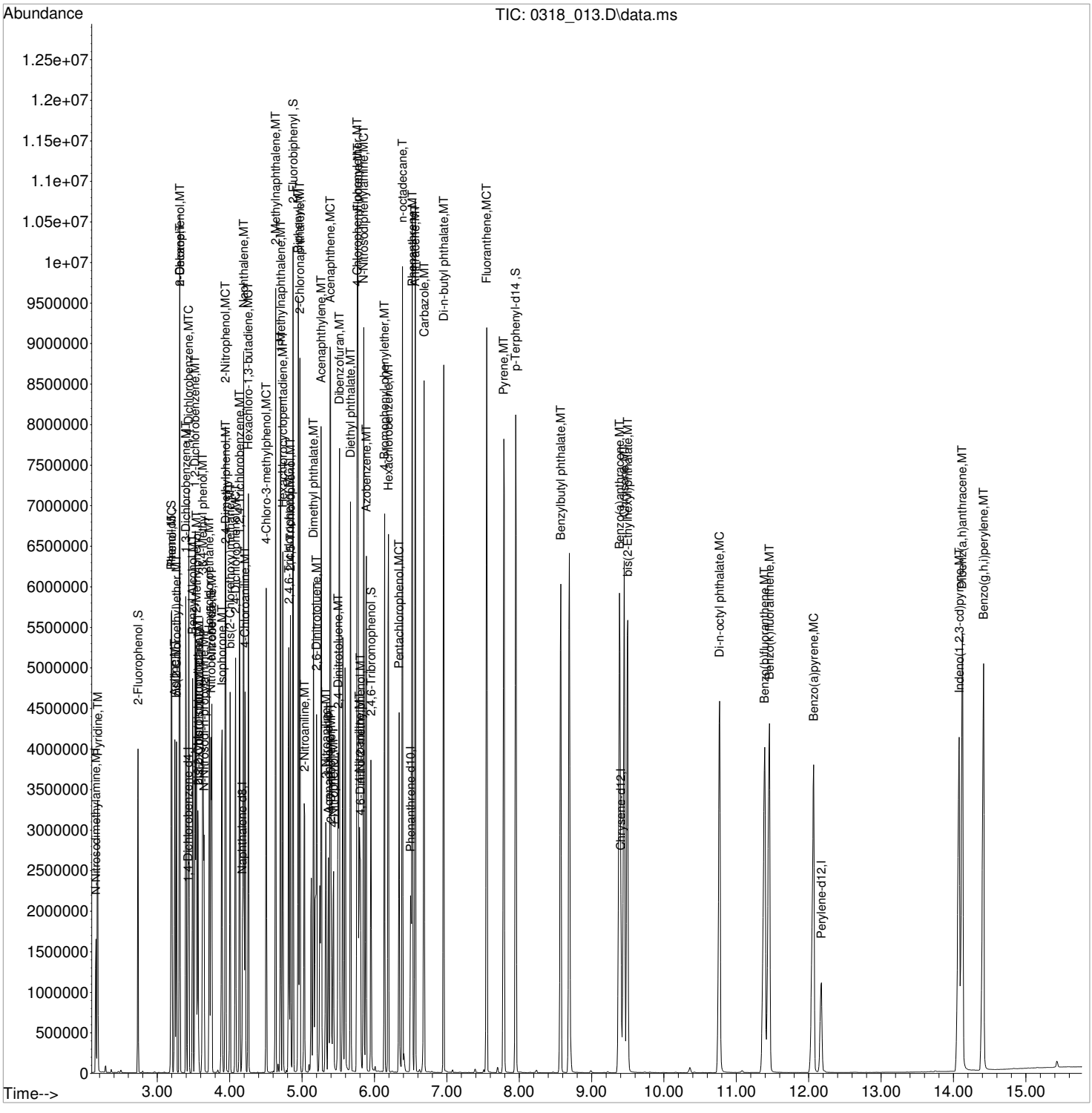
Quant Time: Mar 22 16:53:33 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:53:25 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40)	4-Chloro-3-methylphenol	4.505	107	820499	32599.0313521 ppb		95
41)	2-Methylnaphthalene	4.634	142	1929244	30087.7651416 ppb		98
42)	1-Methylnaphthalene	4.705	142	1843798	30638.3779951 ppb		100
47)	Hexachlorocyclopentadiene	4.734	237	700861	33861.8730759 ppb		96
48)	2,4,6-Trichlorophenol	4.817	196	628430	35568.1247794 ppb		95
49)	2,4,5-Trichlorophenol	4.840	196	648932	33723.1769061 ppb		96
51)	Biphenyl	4.946	154	2423302	30801.4538699 ppb		99
52)	2-Chloronaphthalene	4.970	162	1859607	31185.2929704 ppb		99
53)	2-Nitroaniline	5.034	138	646179	36693.8075128 ppb		99
54)	Acenaphthylene	5.264	152	2845187	30414.2473208 ppb		98
55)	Dimethyl phthalate	5.158	163	2099484	29987.4451925 ppb		99
56)	2,6-Dinitrotoluene	5.199	165	502722	34968.6500847 ppb		96
57)	3-Nitroaniline	5.328	138	553946	34408.9446390 ppb		99
58)	Acenaphthene	5.387	153	1930621	30604.4895721 ppb		98
59)	2,4-Dinitrophenol	5.399	184	253852	47858.1427981 ppb	#	36
60)	Dibenzofuran	5.517	168	2649799	30335.0097883 ppb		98
61)	2,4-Dinitrotoluene	5.499	165	669625	37829.9918306 ppb		95
63)	4-Nitrophenol	5.434	139	441413	37376.6680187 ppb		92
64)	Fluorene	5.769	166	2302489	31487.1111342 ppb		100
65)	4-Chlorophenyl-phenyle...	5.764	204	1137535	32354.8947445 ppb		95
66)	Diethyl phthalate	5.669	149	2129019	30987.1568146 ppb		99
67)	4-Nitroaniline	5.793	138	599655	34903.3811106 ppb		98
68)	Azobenzene	5.887	77	2069957	30104.2948888 ppb		97
71)	4,6-Dinitro-2-methylph...	5.805	198	339771	50214.7283400 ppb		90
72)	N-Nitrosodiphenylamine	5.852	169	1903976	31569.5214679 ppb		99
74)	4-Bromophenyl-phenylether	6.140	248	659670	33339.7203033 ppb		93
75)	Hexachlorobenzene	6.193	284	735064	33383.1371871 ppb		99
76)	n-octadecane	6.387	55	269407	31028.1038076 ppb		95
77)	Pentachlorophenol	6.340	266	406708	42211.9807829 ppb		99
78)	Phenanthrene	6.522	178	3176563	29436.4339088 ppb		97
79)	Anthracene	6.564	178	3278715	31127.7345044 ppb		97
80)	Carbazole	6.687	167	3061831	31588.3377441 ppb		99
81)	Di-n-butyl phthalate	6.958	149	3700704	32372.9388922 ppb		99
83)	Fluoranthene	7.552	202	3514121	31390.9617283 ppb		97
86)	Pyrene	7.787	202	3619928	29614.9322946 ppb		98
88)	Benzylbutyl phthalate	8.575	149	1677178	33770.4701900 ppb		98
90)	Benzo(a)anthracene	9.387	228	3418191	28085.8340817 ppb		99
91)	Chrysene	9.452	228	3266684	29599.3154798 ppb		98
92)	bis(2-Ethylhexyl)phtha...	9.499	149	2423405	34280.6930734 ppb		99
93)	Di-n-octyl phthalate	10.769	149	3971909	35579.2199687 ppb		99
95)	Benzo(b)fluoranthene	11.393	252	3299842	32809.2520747 ppb		100
96)	Benzo(k)fluoranthene	11.457	252	3259491	32126.8561158 ppb		100
97)	Benzo(a)pyrene	12.069	252	2873556	32966.5756329 ppb		99
98)	Indeno(1,2,3-cd)pyrene	14.081	276	2878919	33956.7145534 ppb		98
99)	Dibenz(a,h)anthracene	14.122	278	3163449	35086.6251324 ppb		98
100)	Benzo(g,h,i)perylene	14.416	276	3011999	32888.8180747 ppb		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_013.D
Acq On : 18 Mar 2022 07:13 pm
Operator : 917
Sample : STD SVMS 30K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 22 16:53:33 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:53:25 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_013.D
Acq On : 18 Mar 2022 07:13 pm
Operator : 917
Sample : STD SVMS 30K ppb 22C18416 exp 08/25/22
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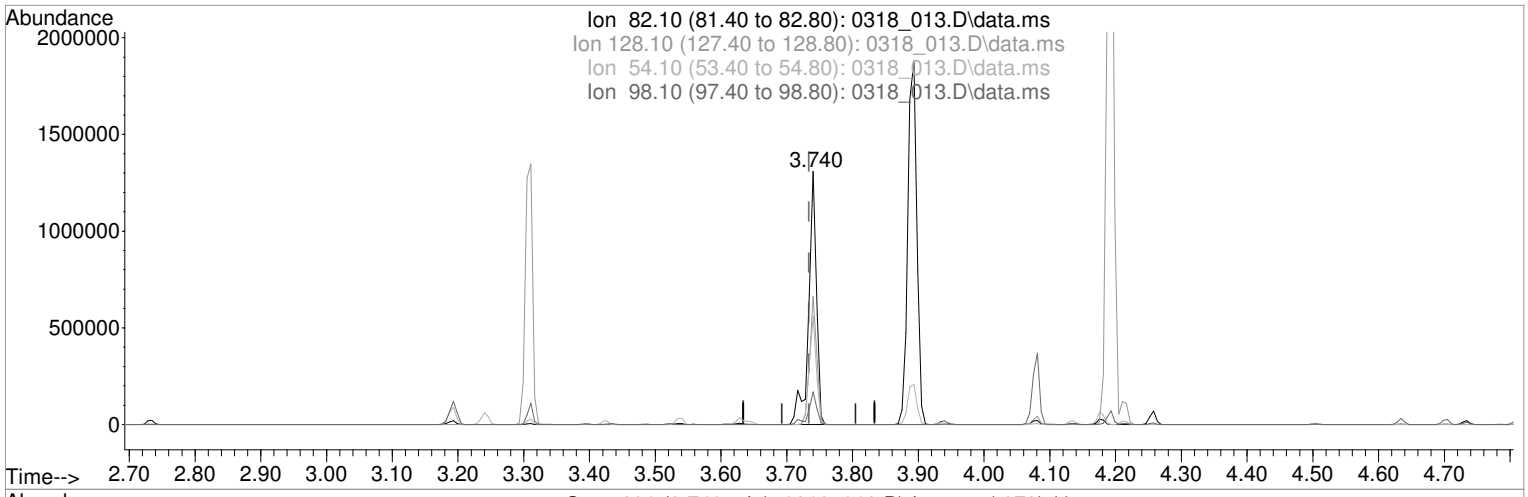
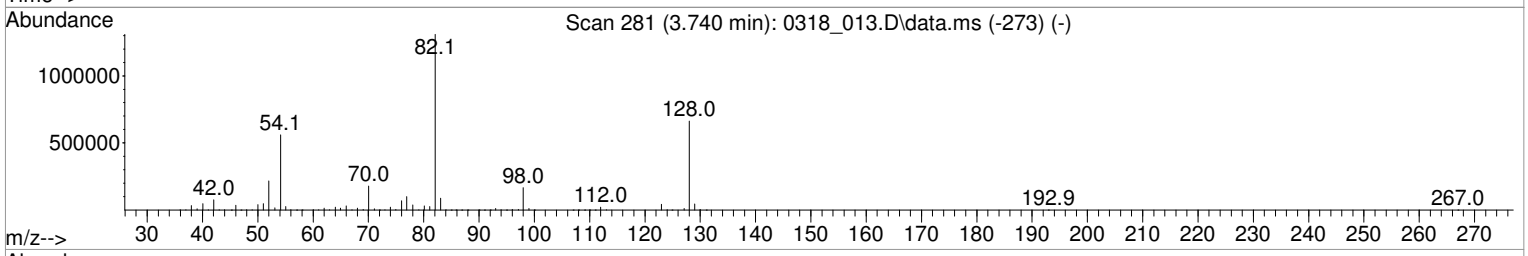
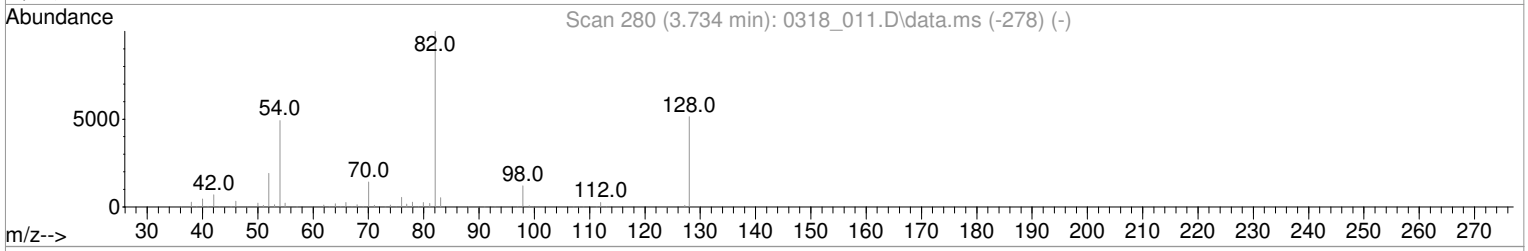
Quant Time: Mar 22 16:53:33 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:53:25 2022
Response via : Initial Calibration







TIC: 0318_013.D\data.ms

(24) Nitrobenzene-d5 (S)

3.740min (+ 0.006) 35662.0618815 ppb

Qvalue = 96

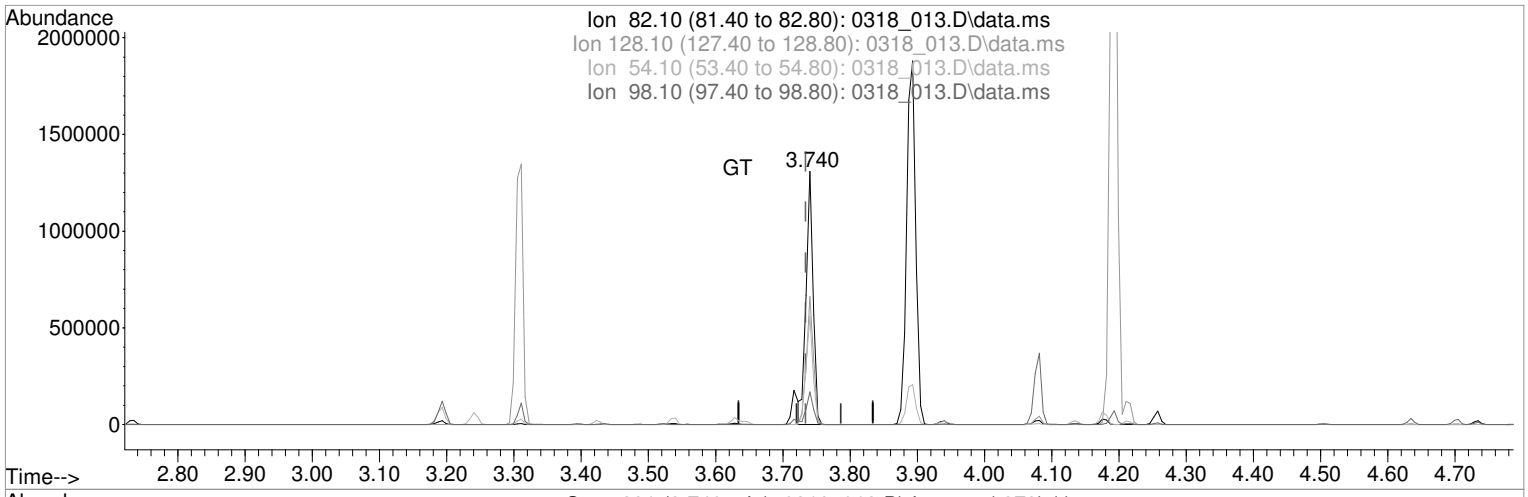
response 1079955

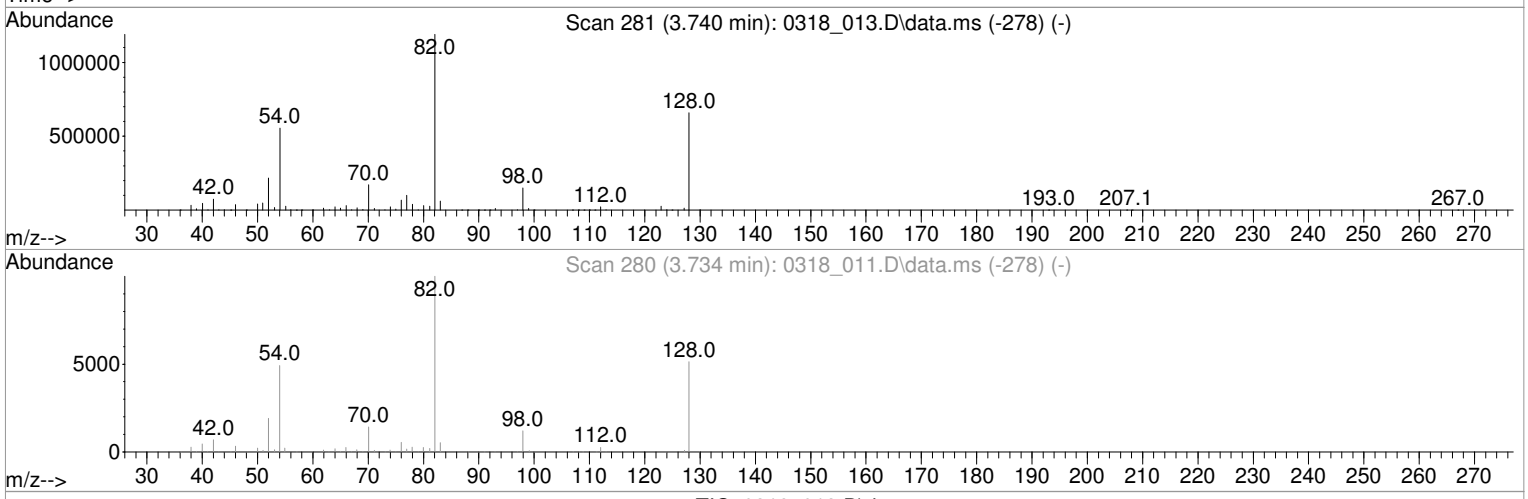
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	50.59
54.10	45.60	42.76
98.10	12.30	12.85

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_013.D
Acq On : 18 Mar 2022 07:13 pm
Operator : 917
Sample : STD SVMS 30K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 22 16:53:33 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:53:25 2022
Response via : Initial Calibration





TIC: 0318_013.D\data.ms

(24) Nitrobenzene-d5 (S)

3.740min (+ 0.006) 31720.0180359 ppb m

response 960578

Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	50.59
54.10	45.60	42.76
98.10	12.30	12.85

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_014.D
Acq On : 18 Mar 2022 07:35 pm
Operator : 917
Sample : STD SVMS 40K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 22 16:58:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:58:16 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.422	152	195814	8000.0000000 ppb		0.00
23) Naphthalene-d8	4.181	136	748530	8000.0000000 ppb		0.00
46) Acenaphthene-d10	5.363	164	423511	8000.0000000 ppb		0.00
70) Phenanthrene-d10	6.505	188	798994	8000.0000000 ppb		0.01
84) Chrysene-d12	9.410	240	758840	8000.0000000 ppb		0.02
94) Perylene-d12	12.175	264	722123	8000.0000000 ppb		0.02
System Monitoring Compounds						
4) 2-Fluorophenol	2.734	112	1223769	42228.7287996 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 1055.72%#			
7) Phenol-d5	3.193	99	1585305	43187.4287417 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 1079.69%#			
24) Nitrobenzene-d5	3.740	82	1251760m	40805.3367562 ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 2040.27%#			
50) 2-Fluorobiphenyl	4.875	172	2913419	41275.3162603 ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 2063.77%#			
73) 2,4,6-Tribromophenol	5.958	330	470553	51851.7602550 ppb		0.01
Spiked Amount 4000.000	Range 10 - 153		Recovery = 1296.29%#			
87) p-Terphenyl-d14	7.957	244	3995574	40700.8132173 ppb		0.01
Spiked Amount 2000.000	Range 29 - 141		Recovery = 2035.04%#			
Target Compounds						Qvalue
2) Pyridine	2.175	79	1228462	41028.4695775 ppb		99
3) N-Nitrosodimethylamine	2.152	42	517998	39428.0690521 ppb		97
5) Aniline	3.246	66	627764	42036.7168720 ppb	#	25
6) bis(2-Chloroethyl)ether	3.264	93	1214587m	40952.6632528 ppb		
8) Phenol	3.205	94	1594679	43183.3353298 ppb		95
10) 2-Chlorophenol	3.311	128	1445512	44699.4048908 ppb		94
11) n-Decane	3.311	41	491232	35566.1911837 ppb		93
12) 1,3-Dichlorobenzene	3.399	146	1486064	41573.1841927 ppb		96
13) 1,4-Dichlorobenzene	3.434	146	1501687	40631.7118148 ppb		96
14) Benzyl Alcohol	3.493	79	1043120	42257.6779754 ppb		99
15) 1,2-Dichlorobenzene	3.522	146	1431052	41451.5536107 ppb		97
16) bis(2-Chloroisopropyl)...	3.564	121	457030	41177.0559379 ppb	#	84
17) 2,2-oxybis(1-chloropro...	3.564	121	457030	41177.0559379 ppb	#	84
18) 2-Methylphenol	3.540	108	1183298	42082.4247804 ppb		100
19) Hexachloroethane	3.716	117	591411	41501.3685193 ppb		97
20) N-Nitrosodi-n-propylamine	3.646	70	868886	41053.4413714 ppb		98
21) 3&4-Methyl phenol	3.634	107	1344272	41814.4713242 ppb		99
25) Nitrobenzene	3.752	77	1272740	41966.2669386 ppb		98
26) Isophorone	3.893	82	2383475	40691.0463038 ppb		97
27) 2-Nitrophenol	3.940	139	743870	49211.3309456 ppb		88
28) 2,4-Dimethylphenol	3.946	107	1367781	43144.8463468 ppb		97
29) bis(2-Chlorethoxy)methane	4.005	93	1466687	40488.2819291 ppb		98
30) 2,4-Dichlorophenol	4.081	162	1136365	43272.6281079 ppb		99
32) 1,2,4-Trichlorobenzene	4.140	180	1272155	42255.6028345 ppb		98
34) Naphthalene	4.193	128	3644960	37760.5935686 ppb		96
35) 4-Chloroaniline	4.216	65	417586	41572.0038803 ppb		99
36) Hexachloro-1,3-butadiene	4.258	225	726294	41300.0307881 ppb		98

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Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 22 16:58:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:58:16 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40) 4-Chloro-3-methylphenol	4.505	107	1137256	44420.2117214 ppb		96
41) 2-Methylnaphthalene	4.634	142	2598953	40325.5356757 ppb		97
42) 1-Methylnaphthalene	4.705	142	2486477	41012.9455461 ppb		99
47) Hexachlorocyclopentadiene	4.734	237	975643	46925.9239457 ppb		98
48) 2,4,6-Trichlorophenol	4.816	196	857561	47935.8817165 ppb		96
49) 2,4,5-Trichlorophenol	4.840	196	882250	45671.5255285 ppb		98
51) Biphenyl	4.952	154	3201423	41096.9239320 ppb		98
52) 2-Chloronaphthalene	4.969	162	2517965	42598.6319925 ppb		98
53) 2-Nitroaniline	5.034	138	882931	49260.2243388 ppb		99
54) Acenaphthylene	5.269	152	3777345	40865.8783665 ppb		97
55) Dimethyl phthalate	5.163	163	2813148	40738.2464701 ppb		98
56) 2,6-Dinitrotoluene	5.205	165	679809	46831.5938793 ppb		96
57) 3-Nitroaniline	5.334	138	757895	46746.1928841 ppb		98
58) Acenaphthene	5.393	153	2563528	41095.1511777 ppb		98
59) 2,4-Dinitrophenol	5.411	184	361848	62918.2873620 ppb	#	1
60) Dibenzofuran	5.516	168	3533210	40941.6437104 ppb		97
61) 2,4-Dinitrotoluene	5.505	165	941878	52006.5144830 ppb		95
63) 4-Nitrophenol	5.440	139	604421	50125.4475638 ppb		96
64) Fluorene	5.775	166	3046204	41972.8452346 ppb		100
65) 4-Chlorophenyl-phenyle...	5.763	204	1494162	42607.5749534 ppb		97
66) Diethyl phthalate	5.675	149	2847218	41816.0566704 ppb		98
67) 4-Nitroaniline	5.805	138	817562	47143.2665318 ppb		98
68) Azobenzene	5.887	77	2716125	40027.4699854 ppb		95
71) 4,6-Dinitro-2-methylph...	5.816	198	488314	65668.8922697 ppb		94
72) N-Nitrosodiphenylamine	5.858	169	2581669	42384.0834253 ppb		99
74) 4-Bromophenyl-phenylether	6.140	248	904655	44894.7228696 ppb		97
75) Hexachlorobenzene	6.193	284	981707	43769.6018339 ppb		98
76) n-octadecane	6.387	55	349306	39935.6648853 ppb		94
77) Pentachlorophenol	6.346	266	566107	55390.1933945 ppb		96
78) Phenanthrene	6.522	178	4270923	39573.0921618 ppb		95
79) Anthracene	6.569	178	4324169	40760.5557444 ppb		97
80) Carbazole	6.687	167	4076958	41642.6998105 ppb		98
81) Di-n-butyl phthalate	6.957	149	4796433	41387.1759832 ppb		97
83) Fluoranthene	7.557	202	4674544	41413.9747734 ppb		97
86) Pyrene	7.793	202	4814036	38846.9085661 ppb		96
88) Benzylbutyl phthalate	8.575	149	2303926	44878.3637003 ppb		99
90) Benzo(a)anthracene	9.393	228	4648383	37914.8676932 ppb		98
91) Chrysene	9.457	228	4424143	39542.8823257 ppb		97
92) bis(2-Ethylhexyl)phtha...	9.499	149	3286282	44864.5824187 ppb		97
93) Di-n-octyl phthalate	10.769	149	5460295	46920.7119448 ppb		98
95) Benzo(b)fluoranthene	11.398	252	4477247m	43418.5570695 ppb		
96) Benzo(k)fluoranthene	11.469	252	4478110	43171.4480105 ppb		98
97) Benzo(a)pyrene	12.081	252	3945204	44116.7471944 ppb		98
98) Indeno(1,2,3-cd)pyrene	14.087	276	3997852m	45775.8622658 ppb		
99) Dibenz(a,h)anthracene	14.134	278	4321364	46313.5825451 ppb		97
100) Benzo(g,h,i)perylene	14.422	276	4078432	43421.5704202 ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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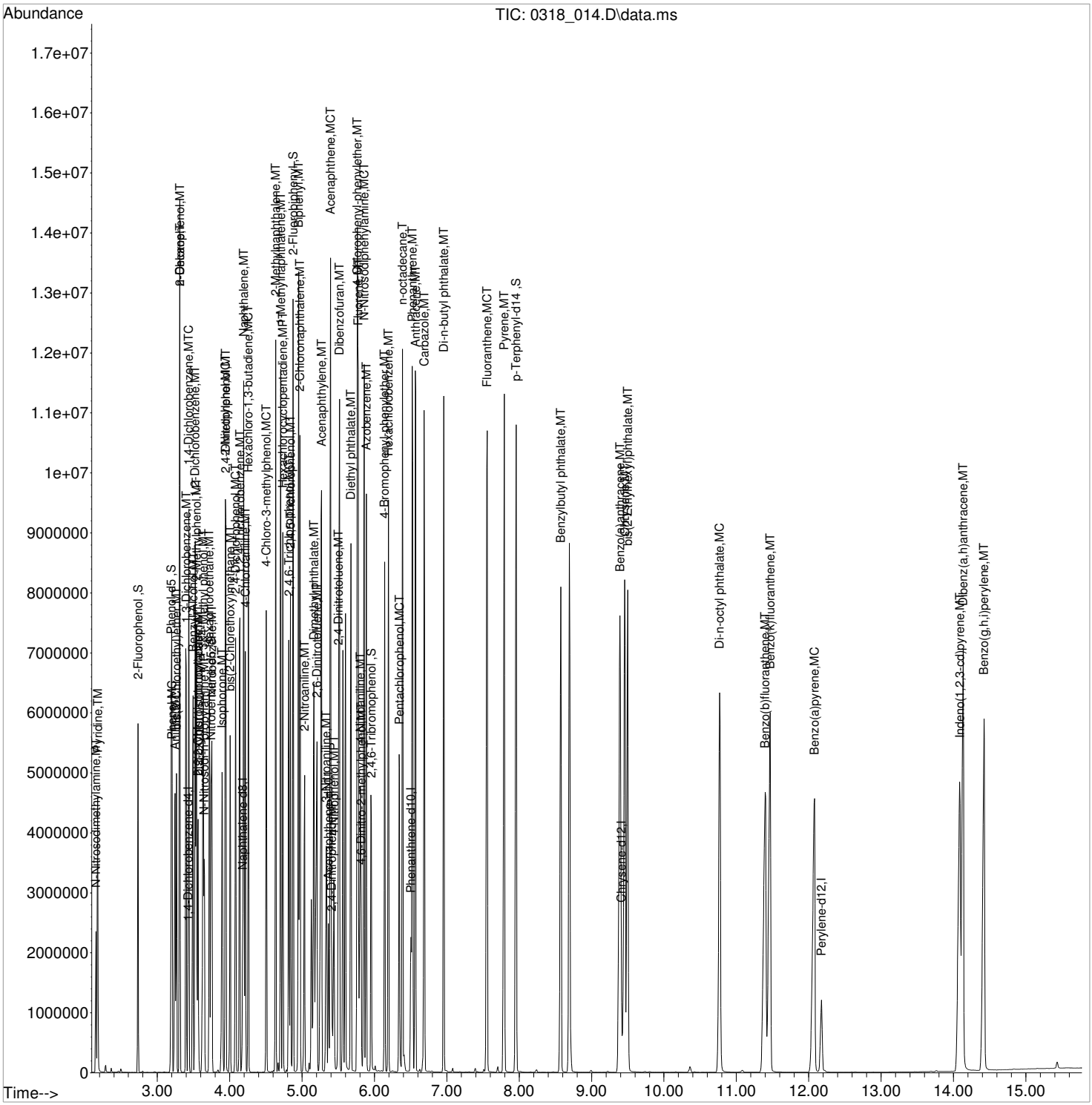
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 22 16:58:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:58:16 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

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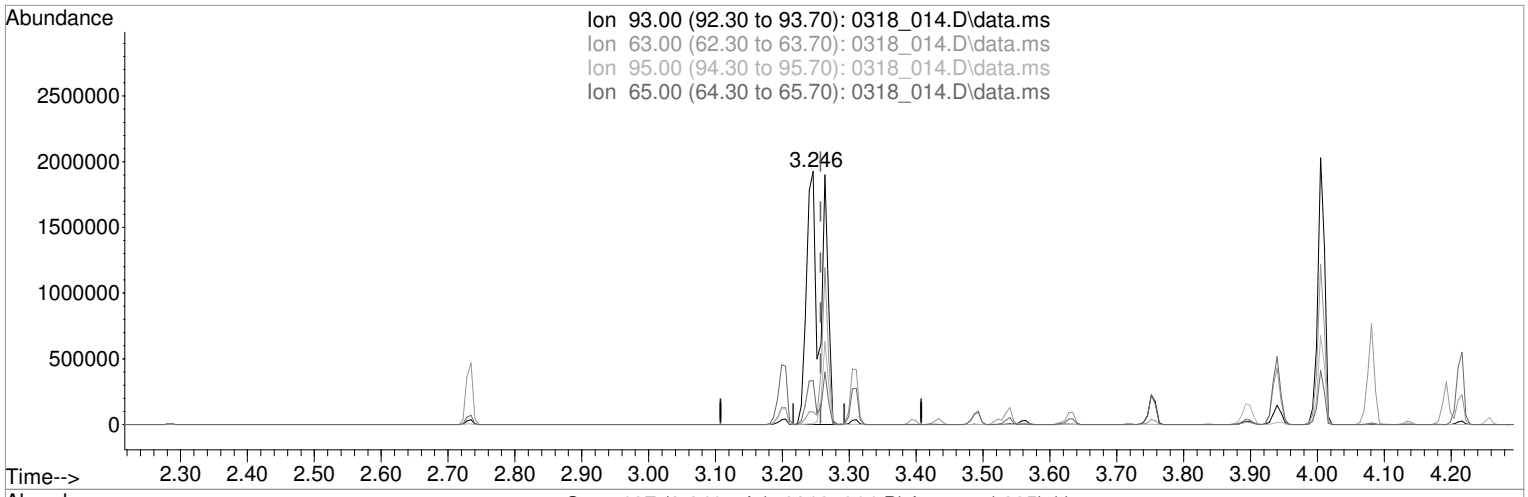

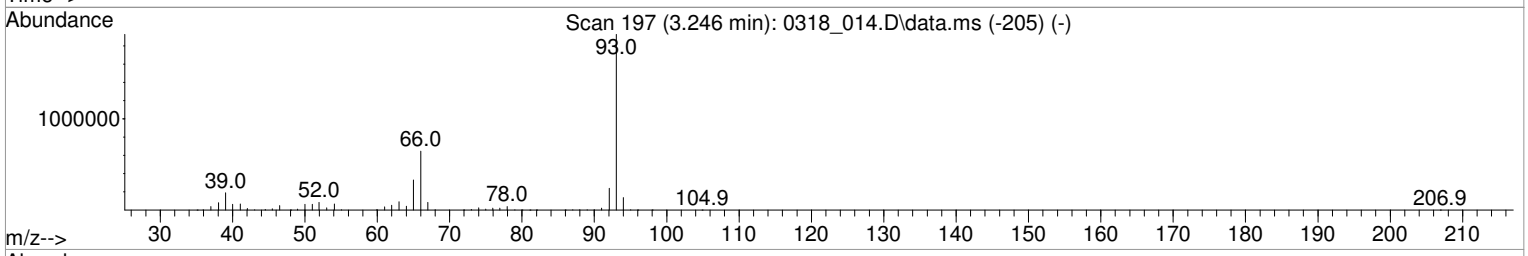

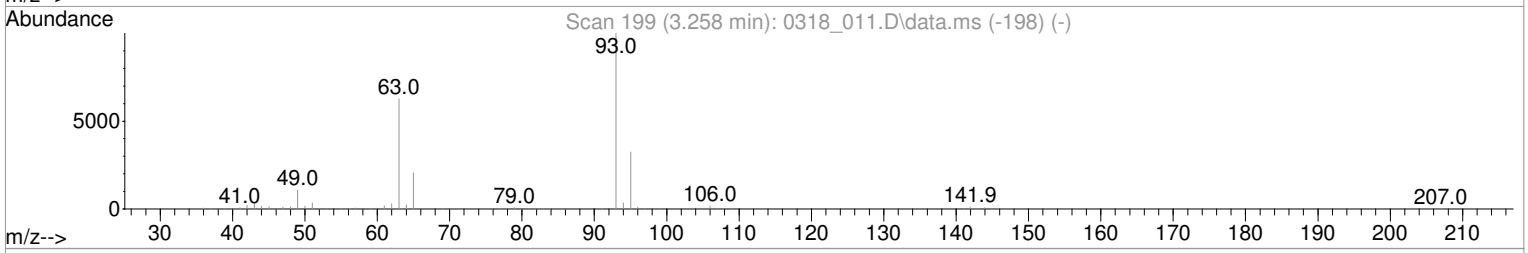

TIC: 0318_014.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.246min (-0.012) 101879.0840701 ppb

Qvalue = 42

response 3021562

Ion	Exp%	Act%
93.00	100.00	100.00
63.00	63.50	5.06#
95.00	32.10	0.23#
65.00	21.10	17.26

Data Path : C:\GCMS\1\data\031822\
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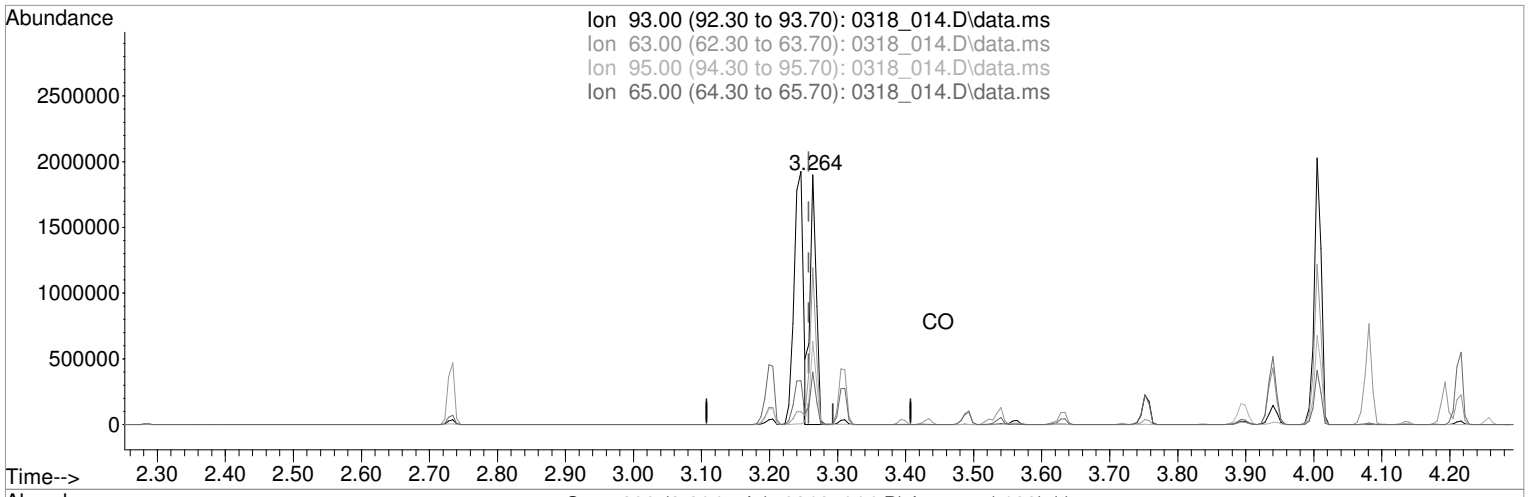

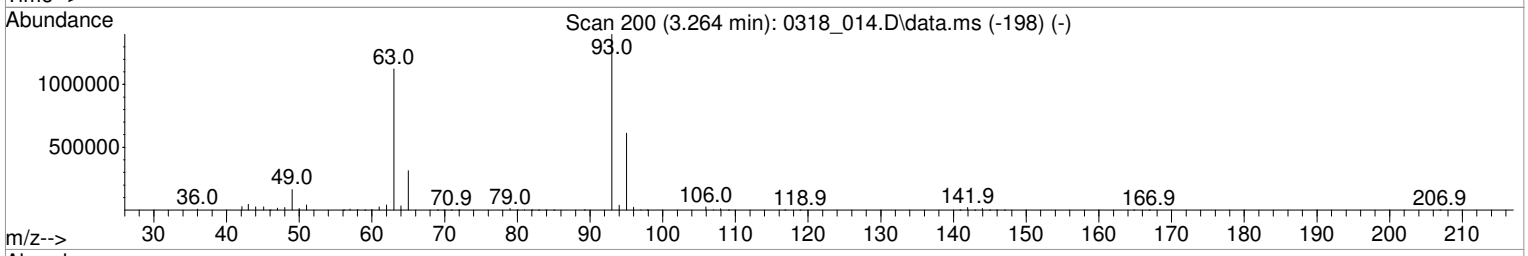

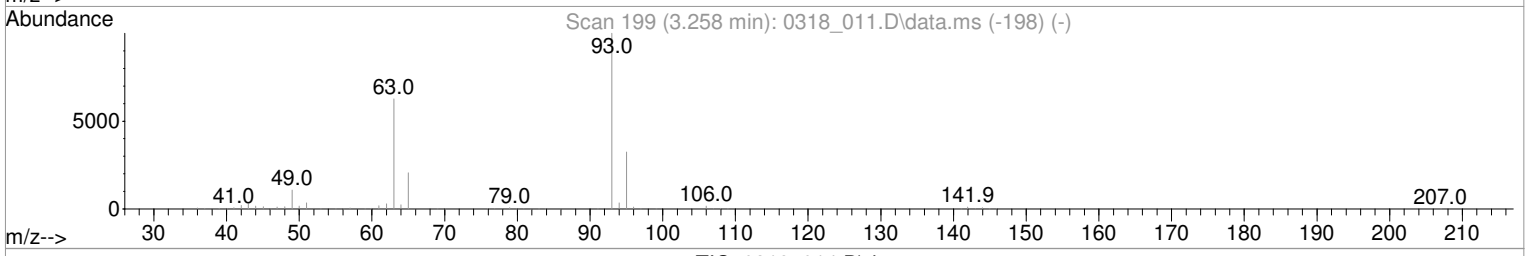

TIC: 0318_014.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.264min (+ 0.006) 40952.6632528 ppb m

response 1214587

Ion	Exp%	Act%
93.00	100.00	100.00
63.00	63.50	62.89
95.00	32.10	33.40
65.00	21.10	20.98

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
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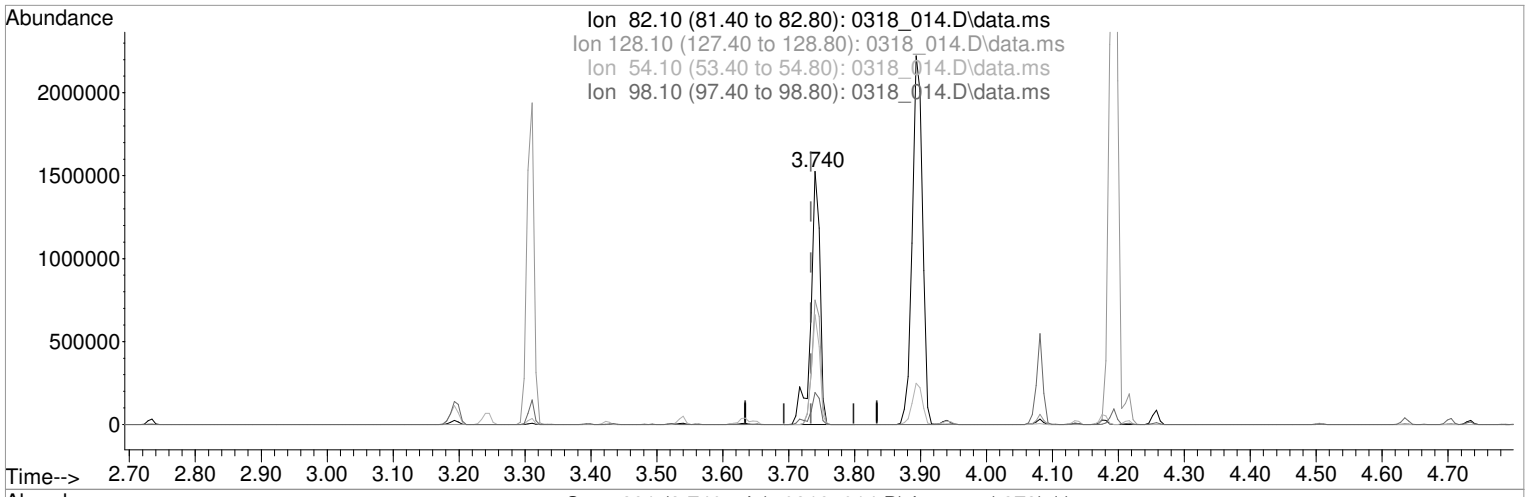

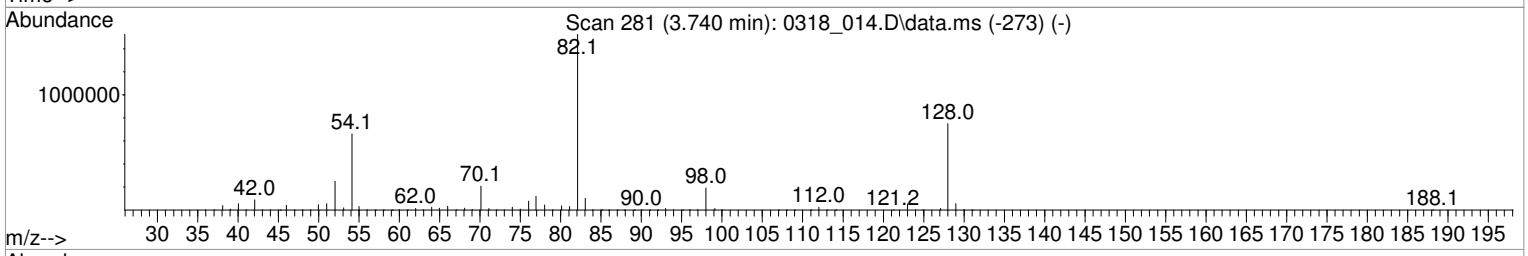

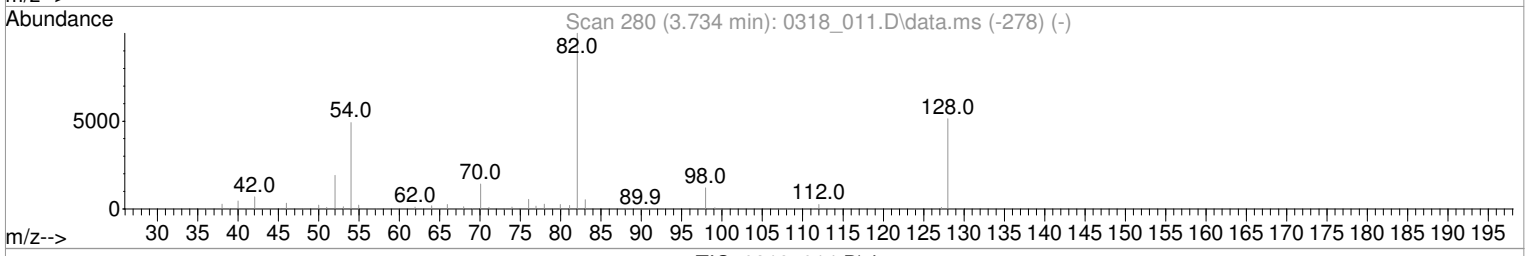

TIC: 0318_014.D\data.ms

(24) Nitrobenzene-d5 (S)

3.740min (+ 0.006) 47711.1060409 ppb

Qvalue = 97

response 1463604

Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	49.16
54.10	45.60	43.41
98.10	12.30	12.59

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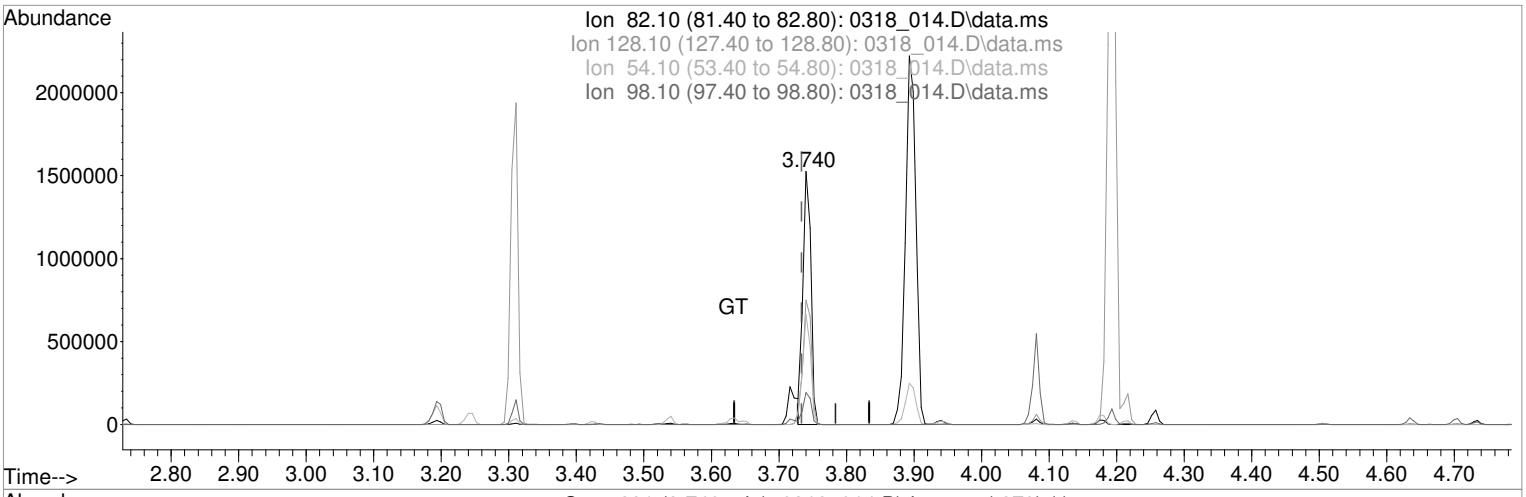
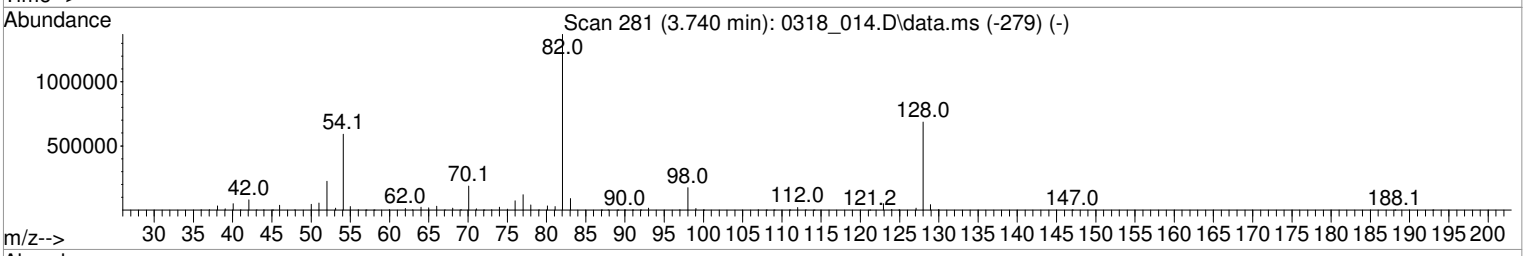
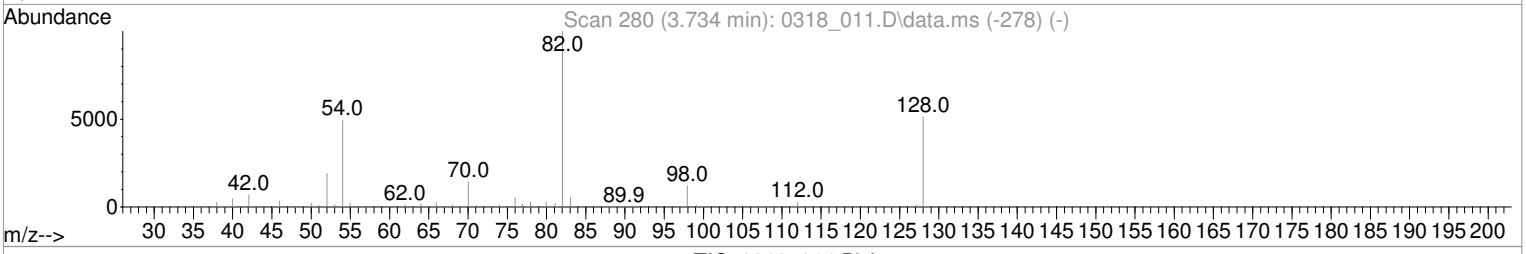
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:58:16 2022
Response via : Initial Calibration







TIC: 0318_014.D\data.ms

(24) Nitrobenzene-d5 (S)

3.740min (+ 0.006) 40805.3367562 ppb m

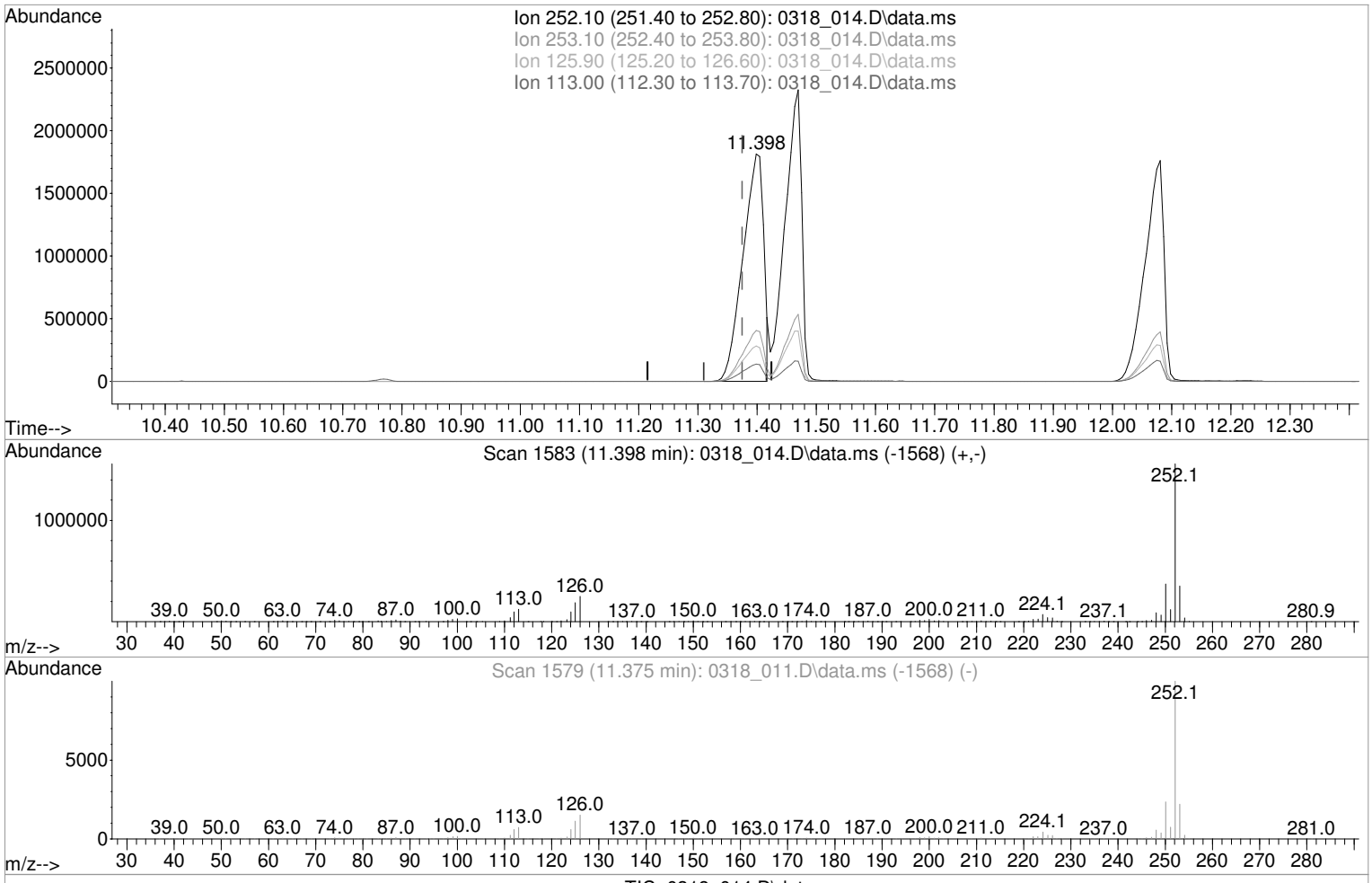
response 1251760

Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	49.16
54.10	45.60	43.41
98.10	12.30	12.59

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_014.D
Acq On : 18 Mar 2022 07:35 pm
Operator : 917
Sample : STD SVMS 40K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 22 16:58:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:58:16 2022
Response via : Initial Calibration



TIC: 0318_014.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.398min (+ 0.024) 42621.8603187 ppb

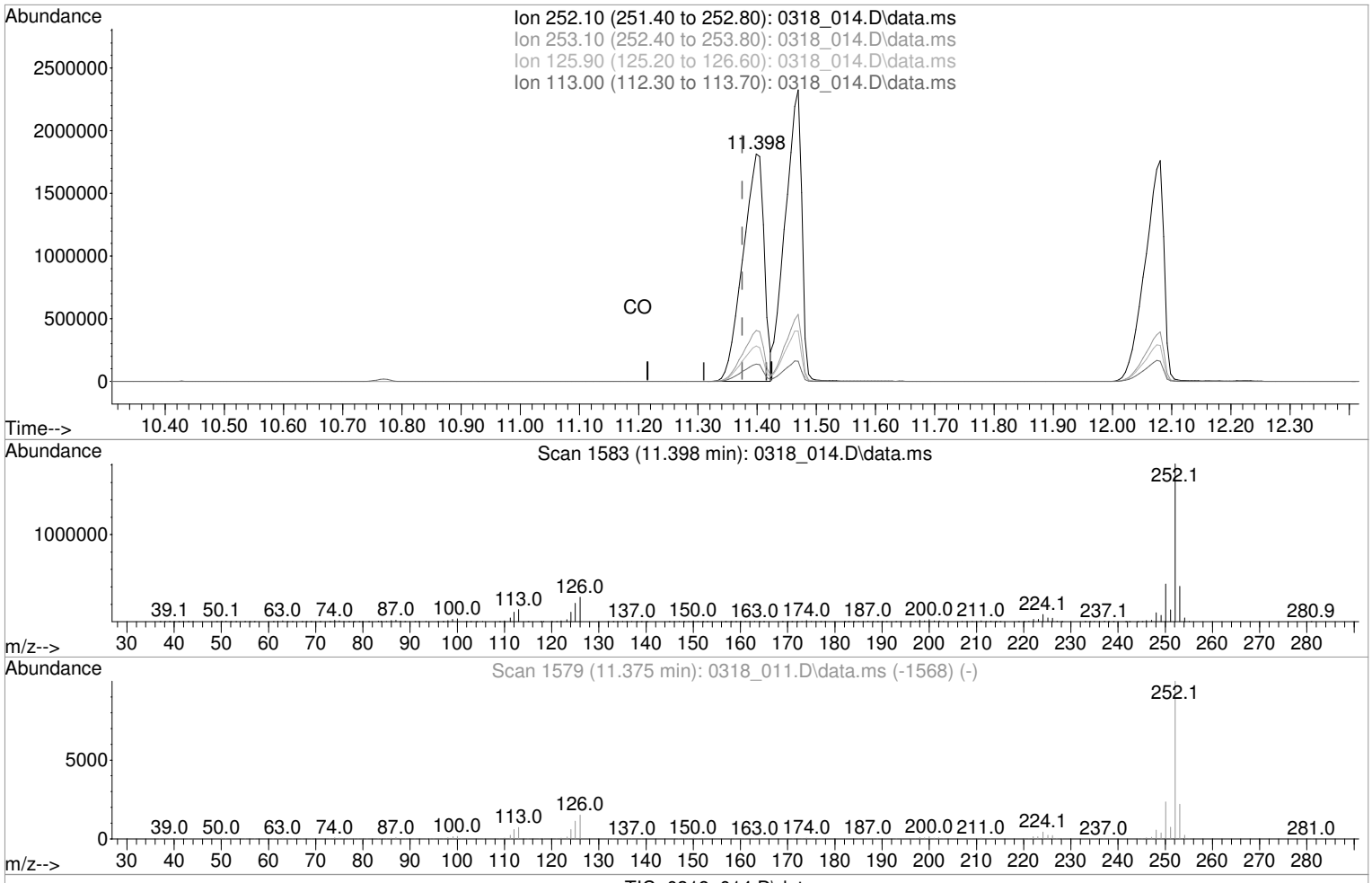
Qvalue = 98

response 4395093

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.00	22.63
125.90	15.10	16.08
113.00	7.20	7.91

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_014.D
Acq On : 18 Mar 2022 07:35 pm
Operator : 917
Sample : STD SVMS 40K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 22 16:58:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:58:16 2022
Response via : Initial Calibration



TIC: 0318_014.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.398min (+ 0.024) 43418.5570695 ppb m

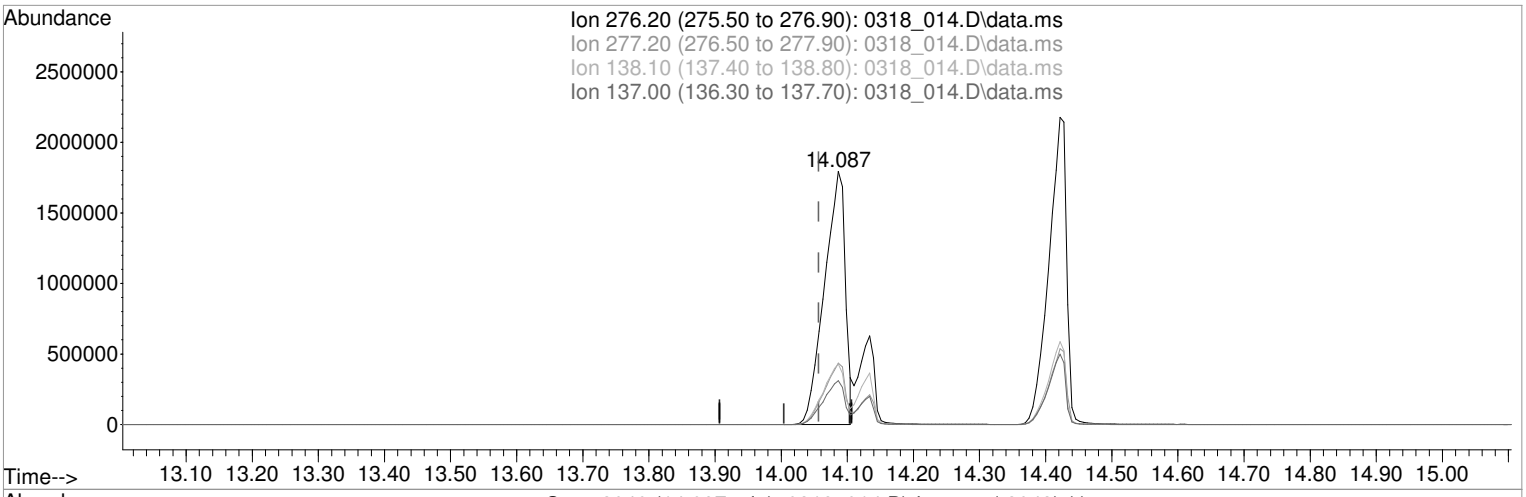
response 4477247

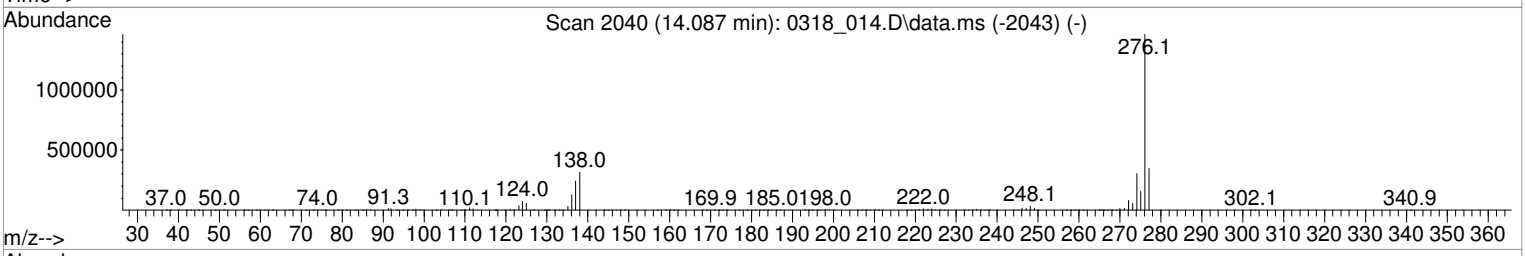
Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.00	22.41
125.90	15.10	15.51
113.00	7.20	7.60

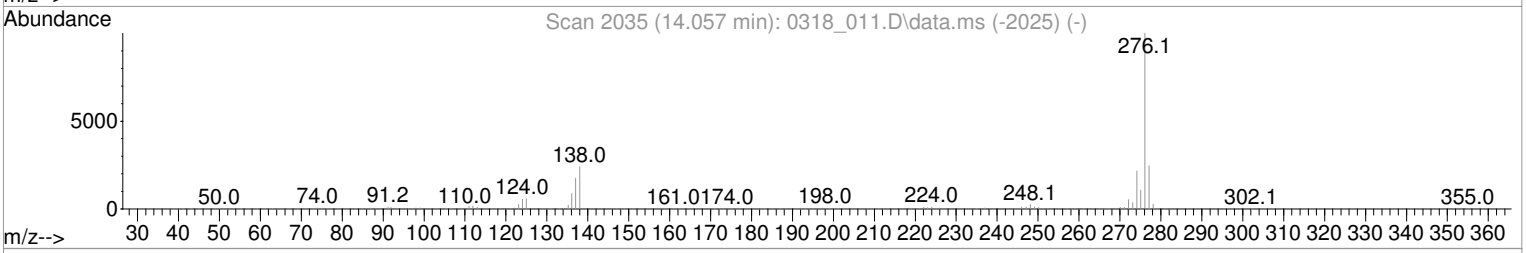
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_014.D
Acq On : 18 Mar 2022 07:35 pm
Operator : 917
Sample : STD SVMS 40K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 22 16:58:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:58:16 2022
Response via : Initial Calibration







TIC: 0318_014.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

14.087min (+ 0.029) 44662.3959029 ppb

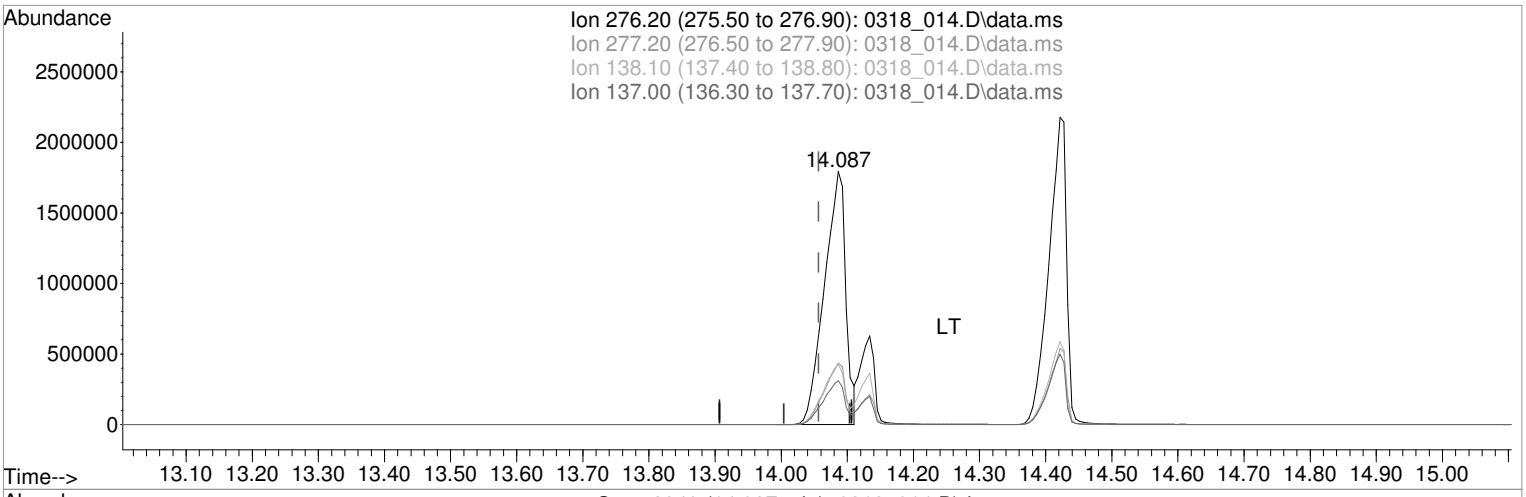
Qvalue = 100

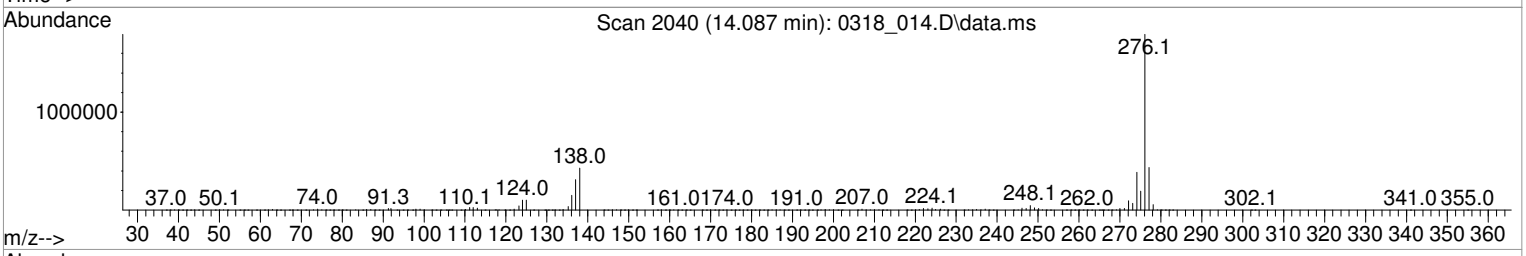
response 3900607

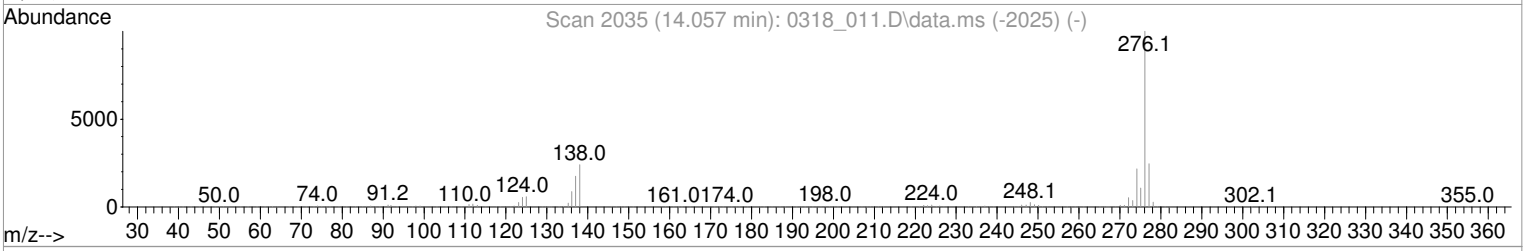
Ion	Exp%	Act%
276.20	100.00	100.00
277.20	24.50	24.30
138.10	24.00	23.89
137.00	17.50	17.34

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_014.D
Acq On : 18 Mar 2022 07:35 pm
Operator : 917
Sample : STD SVMS 40K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 22 16:58:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:58:16 2022
Response via : Initial Calibration







TIC: 0318_014.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

14.087min (+ 0.029) 45775.8622658 ppb m

response 3997852

Ion	Exp%	Act%
276.20	100.00	100.00
277.20	24.50	24.30
138.10	24.00	23.89
137.00	17.50	17.34

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_015.D
Acq On : 18 Mar 2022 07:56 pm
Operator : 917
Sample : STD SVMS 50K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 22 17:00:12 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 17:00:09 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.428	152	202379	8000.0000000 ppb		0.00
23) Naphthalene-d8	4.181	136	763858	8000.0000000 ppb		0.00
46) Acenaphthene-d10	5.363	164	436694	8000.0000000 ppb		0.00
70) Phenanthrene-d10	6.505	188	820825	8000.0000000 ppb		0.01
84) Chrysene-d12	9.410	240	772621	8000.0000000 ppb		0.02
94) Perylene-d12	12.181	264	735568	8000.0000000 ppb		0.02
System Monitoring Compounds						
4) 2-Fluorophenol	2.734	112	1582431	52468.3439092 ppb		0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 1311.71%#			
7) Phenol-d5	3.199	99	2040530	53255.1135908 ppb		0.01
Spiked Amount 4000.000	Range 10 - 120		Recovery = 1331.38%#			
24) Nitrobenzene-d5	3.746	82	1658500m	52846.5141896 ppb		0.01
Spiked Amount 2000.000	Range 10 - 126		Recovery = 2642.33%#			
50) 2-Fluorobiphenyl	4.875	172	3671321	50242.3458154 ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 2512.12%#			
73) 2,4,6-Tribromophenol	5.957	330	619247	64049.7832478 ppb		0.01
Spiked Amount 4000.000	Range 10 - 153		Recovery = 1601.24%#			
87) p-Terphenyl-d14	7.957	244	5064016	50553.6598243 ppb		0.01
Spiked Amount 2000.000	Range 29 - 141		Recovery = 2527.68%#			
Target Compounds						Qvalue
2) Pyridine	2.175	79	1574306	50710.4500001 ppb		100
3) N-Nitrosodimethylamine	2.152	42	652668	48153.1764770 ppb		95
5) Aniline	3.246	66	808082	52024.8332800 ppb		99
6) bis(2-Chloroethyl)ether	3.269	93	1468637	47770.0037247 ppb		95
8) Phenol	3.205	94	2047024	53106.1912519 ppb		99
10) 2-Chlorophenol	3.311	128	1824469	53797.6502908 ppb		95
11) n-Decane	3.311	41	592254	42072.3252255 ppb		93
12) 1,3-Dichlorobenzene	3.399	146	1910551	51461.5492969 ppb		98
13) 1,4-Dichlorobenzene	3.434	146	1949541	50937.7631378 ppb		95
14) Benzyl Alcohol	3.493	79	1344707	52338.8313047 ppb		98
15) 1,2-Dichlorobenzene	3.522	146	1825797	50939.0251629 ppb		95
16) bis(2-Chloroisopropyl)...	3.563	121	593469	51545.6927933 ppb	#	89
17) 2,2-oxybis(1-chloropro...	3.563	121	593469	51545.6927933 ppb	#	89
18) 2-Methylphenol	3.540	108	1540743	52674.2151477 ppb		98
19) Hexachloroethane	3.722	117	772622	52213.8282300 ppb	#	88
20) N-Nitrosodi-n-propylamine	3.652	70	1134631	51700.2158240 ppb		98
21) 3&4-Methyl phenol	3.634	107	1743958	52191.3080145 ppb		98
25) Nitrobenzene	3.758	77	1647507	52908.3355836 ppb		93
26) Isophorone	3.899	82	3053615	50975.5898353 ppb		95
27) 2-Nitrophenol	3.940	139	972451	61278.4225935 ppb		87
28) 2,4-Dimethylphenol	3.946	107	1769145	54153.3232409 ppb		97
29) bis(2-Chlorethoxy)methane	4.011	93	1910145	51593.2213112 ppb		96
30) 2,4-Dichlorophenol	4.087	162	1489602	55022.8769001 ppb		93
32) 1,2,4-Trichlorobenzene	4.140	180	1628342	52630.3161082 ppb		99
34) Naphthalene	4.193	128	4646749	47468.0988140 ppb		96
35) 4-Chloroaniline	4.216	65	530364	51486.9768667 ppb		98
36) Hexachloro-1,3-butadiene	4.258	225	950112	52728.8759033 ppb		97

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_015.D
Acq On : 18 Mar 2022 07:56 pm
Operator : 917
Sample : STD SVMS 50K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 12 Sample Multiplier: 1

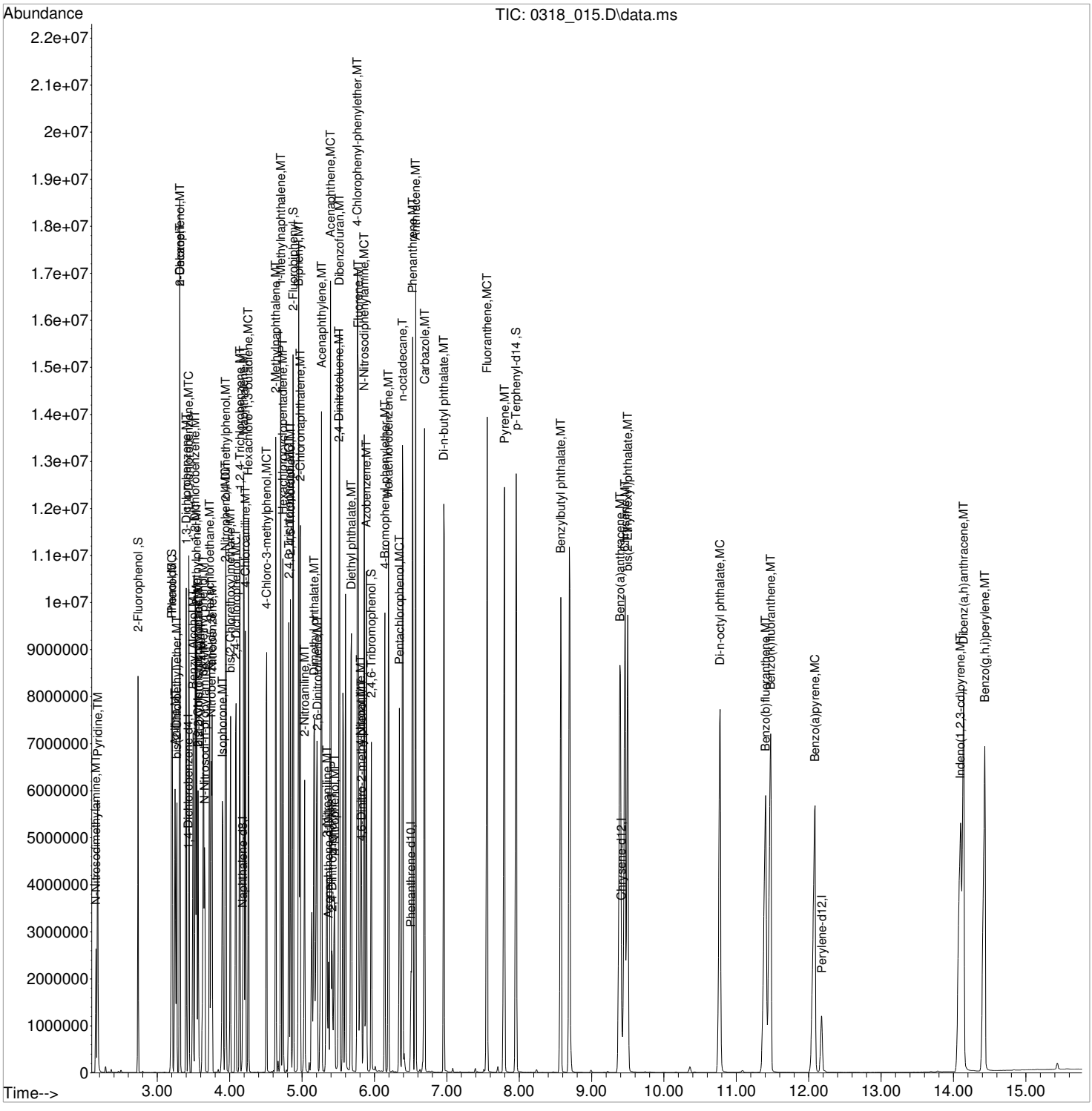
Quant Time: Mar 22 17:00:12 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 17:00:09 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40)	4-Chloro-3-methylphenol	4.511	107	1498711	56582.0836924 ppb		90
41)	2-Methylnaphthalene	4.634	142	3317549	50396.8166600 ppb		97
42)	1-Methylnaphthalene	4.705	142	3120023	50288.7238994 ppb		99
47)	Hexachlorocyclopentadiene	4.734	237	1273405	58140.2023202 ppb		97
48)	2,4,6-Trichlorophenol	4.816	196	1105170	58461.9497494 ppb		99
49)	2,4,5-Trichlorophenol	4.840	196	1179638	58191.5955350 ppb		97
51)	Biphenyl	4.952	154	3943570	48927.9605022 ppb		96
52)	2-Chloronaphthalene	4.975	162	3216008	52387.4058404 ppb		98
53)	2-Nitroaniline	5.034	138	1147364	60334.9584229 ppb		99
54)	Acenaphthylene	5.269	152	4737922	49591.3856959 ppb		95
55)	Dimethyl phthalate	5.169	163	3642831	51042.9153933 ppb		98
56)	2,6-Dinitrotoluene	5.210	165	905656	59241.8639007 ppb		89
57)	3-Nitroaniline	5.346	138	972491	56970.4575984 ppb		91
58)	Acenaphthene	5.393	153	3237727	50183.5127738 ppb		97
59)	2,4-Dinitrophenol	5.416	184	487057	75919.0061325 ppb	#	1
60)	Dibenzofuran	5.516	168	4518096	50624.7222979 ppb		96
61)	2,4-Dinitrotoluene	5.510	165	1257728	64914.3432272 ppb		92
63)	4-Nitrophenol	5.446	139	786528	61318.4758733 ppb		96
64)	Fluorene	5.775	166	3832183	50929.5272724 ppb		99
65)	4-Chlorophenyl-phenyle...	5.763	204	1904655	52247.8397111 ppb		92
66)	Diethyl phthalate	5.681	149	3702395	52436.6387529 ppb		97
67)	4-Nitroaniline	5.810	138	1068425	58444.3425890 ppb		97
68)	Azobenzene	5.887	77	3480651	49741.5205500 ppb		94
71)	4,6-Dinitro-2-methylph...	5.822	198	664323	80504.9207057 ppb		97
72)	N-Nitrosodiphenylamine	5.857	169	3294890	52265.1841850 ppb		99
74)	4-Bromophenyl-phenylether	6.146	248	1182984	56284.8407459 ppb	#	86
75)	Hexachlorobenzene	6.193	284	1273568	54628.5529073 ppb		99
76)	n-octadecane	6.387	55	452281	50343.5089549 ppb	#	92
77)	Pentachlorophenol	6.346	266	754026	68519.3506847 ppb		99
78)	Phenanthrene	6.528	178	5255410	47456.2160519 ppb		94
79)	Anthracene	6.569	178	5312640	48643.4334625 ppb		94
80)	Carbazole	6.693	167	5077524	50225.4513021 ppb		97
81)	Di-n-butyl phthalate	6.957	149	6090408	50934.0459922 ppb		96
83)	Fluoranthene	7.557	202	5889250	50589.2400229 ppb		95
86)	Pyrene	7.799	202	6063628	48212.1698870 ppb		96
88)	Benzylbutyl phthalate	8.575	149	2979601	56148.6728727 ppb		97
90)	Benzo(a)anthracene	9.393	228	5897731	47522.4770329 ppb		97
91)	Chrysene	9.463	228	5602321	49242.7918803 ppb		96
92)	bis(2-Ethylhexyl)phtha...	9.498	149	4316051	57005.4907940 ppb		97
93)	Di-n-octyl phthalate	10.775	149	7091159	58581.0240580 ppb		98
95)	Benzo(b)fluoranthene	11.404	252	5738458m	54118.1934748 ppb		
96)	Benzo(k)fluoranthene	11.475	252	5702097	53495.2981664 ppb		99
97)	Benzo(a)pyrene	12.087	252	5053225	54846.9967021 ppb		99
98)	Indeno(1,2,3-cd)pyrene	14.098	276	5350947m	59199.2601041 ppb		
99)	Dibenz(a,h)anthracene	14.139	278	5628910	58203.5749856 ppb		97
100)	Benzo(g,h,i)perylene	14.434	276	5247945	54335.2570387 ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_015.D
Acq On : 18 Mar 2022 07:56 pm
Operator : 917
Sample : STD SVMS 50K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 22 17:00:12 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 17:00:09 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_015.D
Acq On : 18 Mar 2022 07:56 pm
Operator : 917
Sample : STD SVMS 50K ppb 22C18416 exp 08/25/22
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Quant Time: Mar 22 17:00:12 2022
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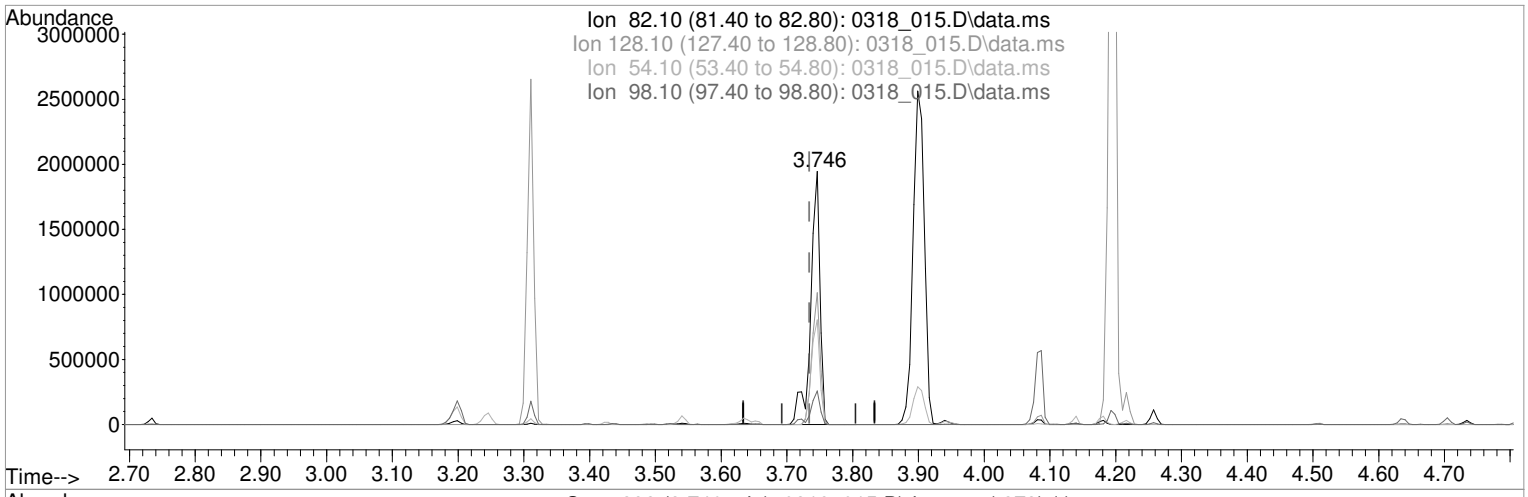
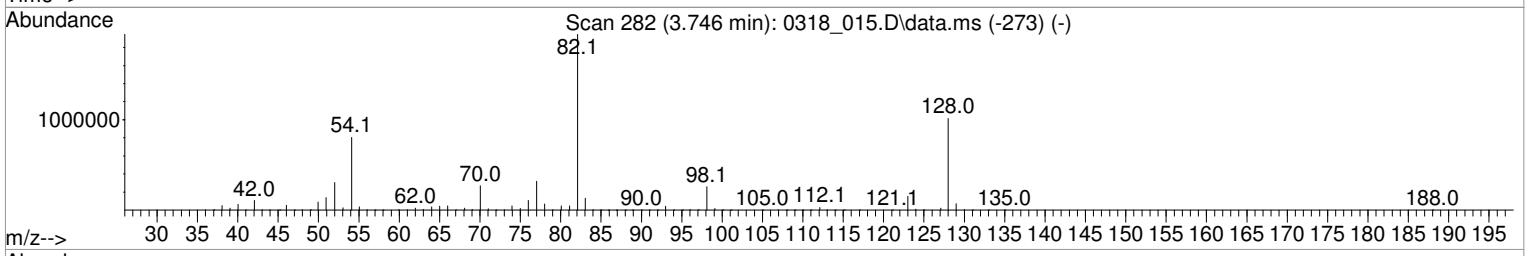
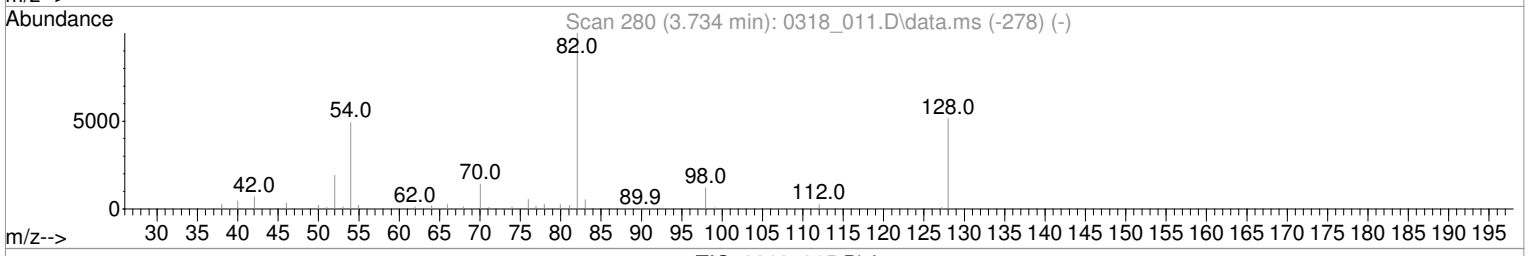






TIC: 0318_015.D\data.ms

(24) Nitrobenzene-d5 (S)

3.746min (+ 0.012) 60313.4064110 ppb

Qvalue = 94

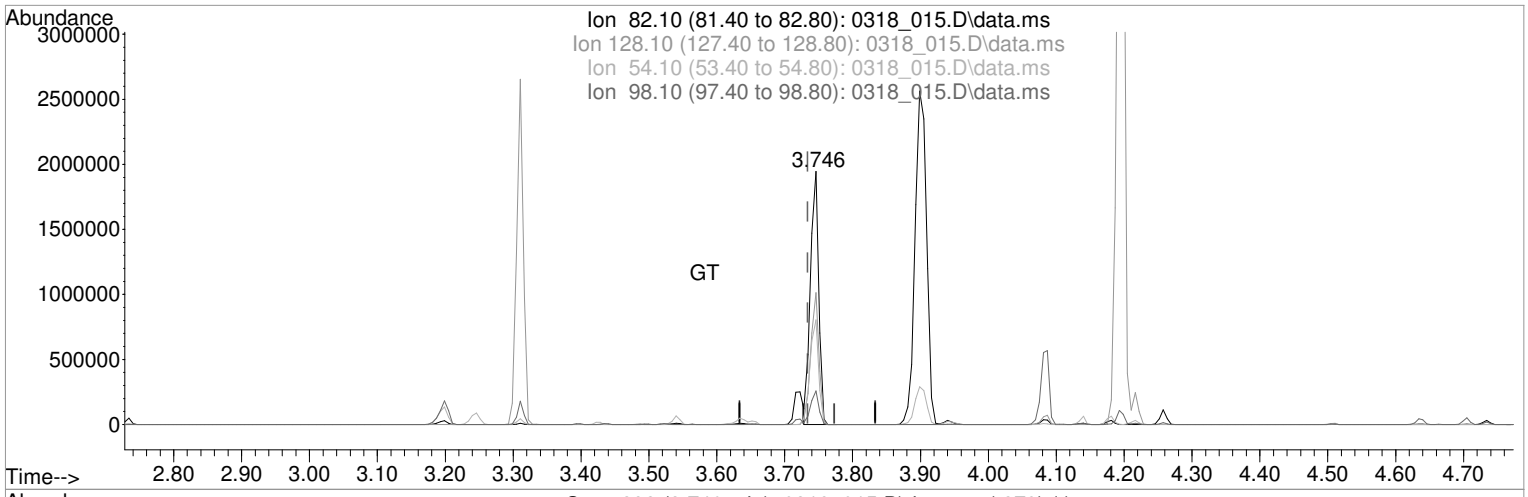
response 1892836

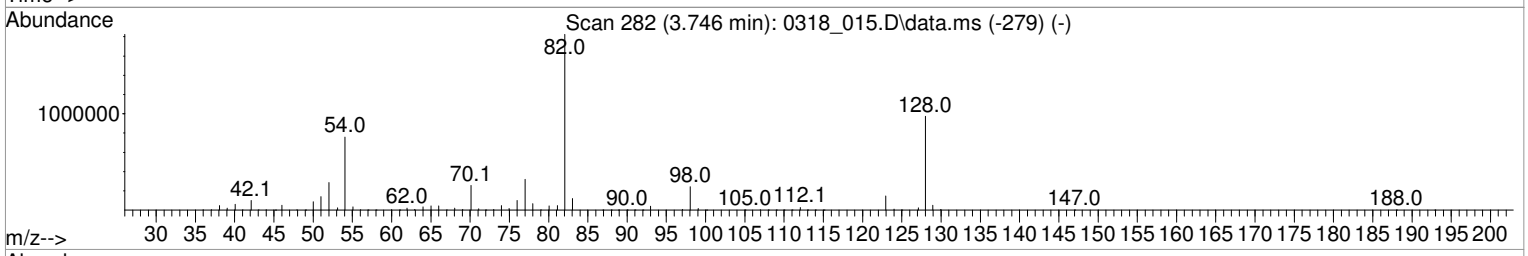
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	52.13
54.10	45.60	41.38
98.10	12.30	13.25

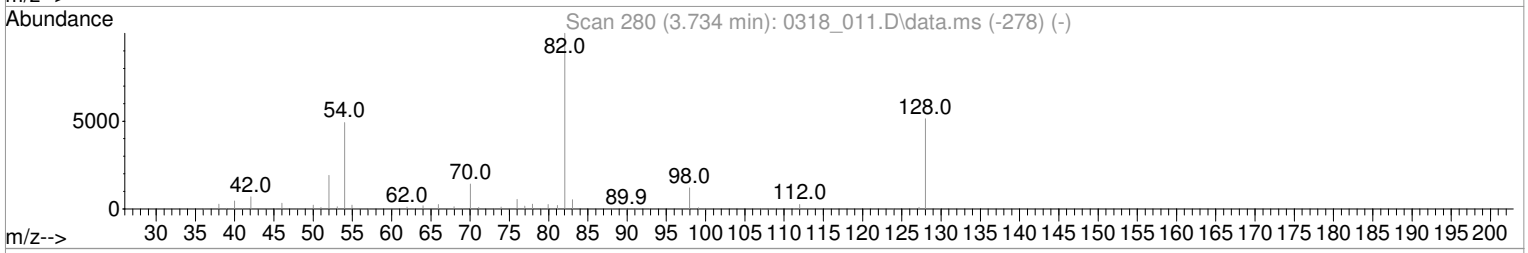
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_015.D
Acq On : 18 Mar 2022 07:56 pm
Operator : 917
Sample : STD SVMS 50K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 22 17:00:12 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 17:00:09 2022
Response via : Initial Calibration







TIC: 0318_015.D\data.ms

(24) Nitrobenzene-d5 (S)

3.746min (+ 0.012) 52846.5141896 ppb m

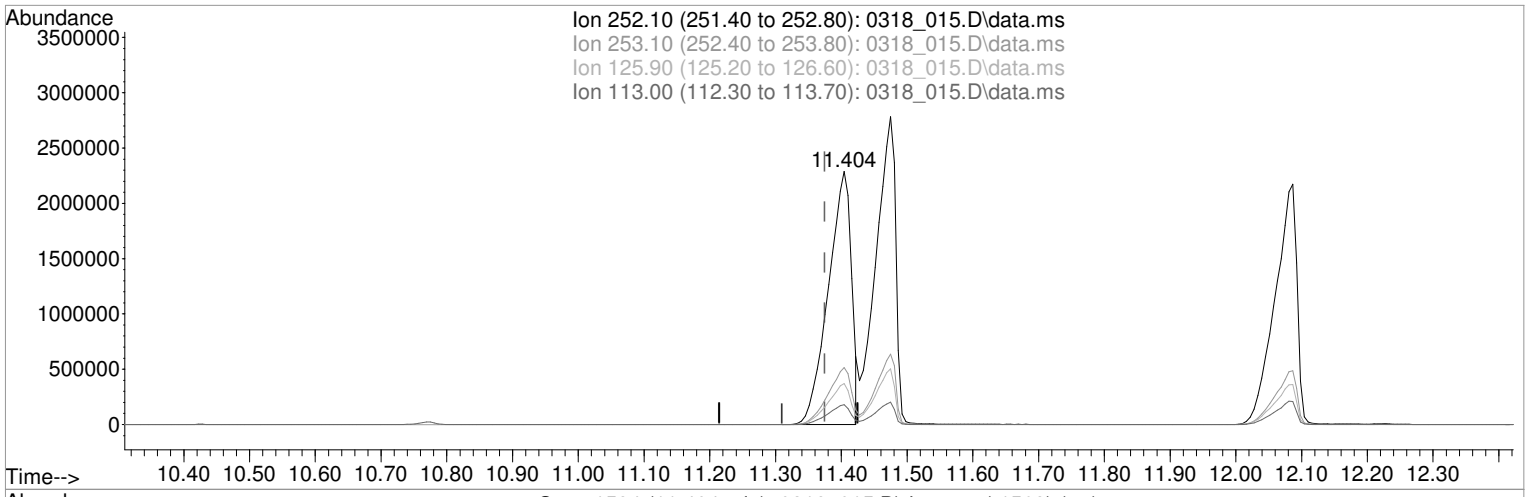
response 1658500

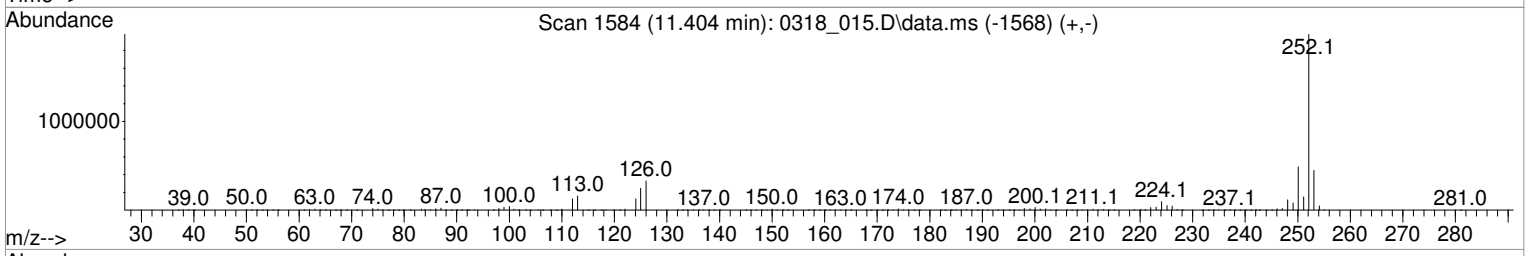
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	52.13
54.10	45.60	41.39
98.10	12.30	13.25

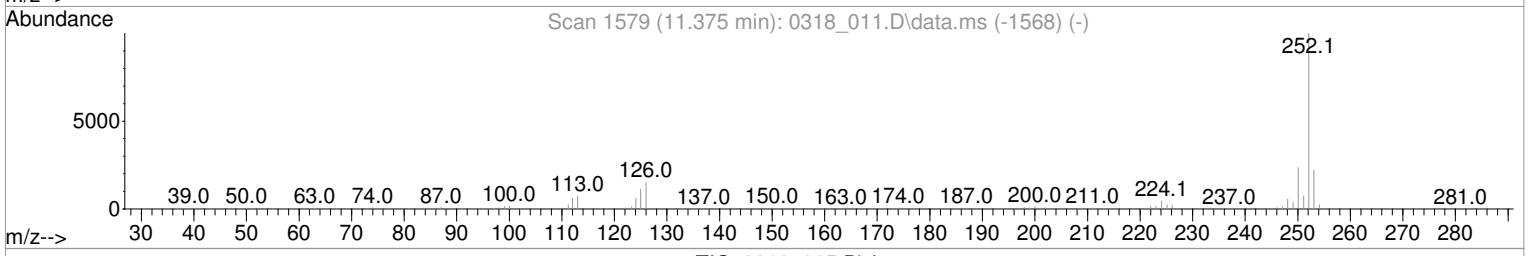
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_015.D
Acq On : 18 Mar 2022 07:56 pm
Operator : 917
Sample : STD SVMS 50K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 22 17:00:12 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 17:00:09 2022
Response via : Initial Calibration







TIC: 0318_015.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.404min (+ 0.029) 52798.8447872 ppb

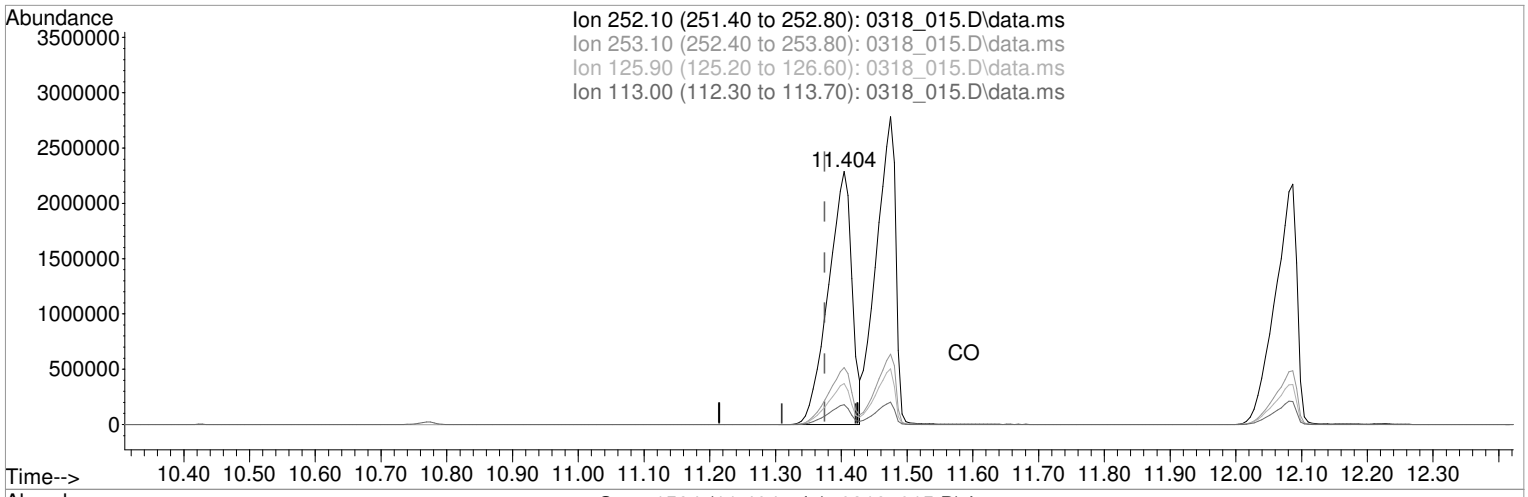
Qvalue = 98

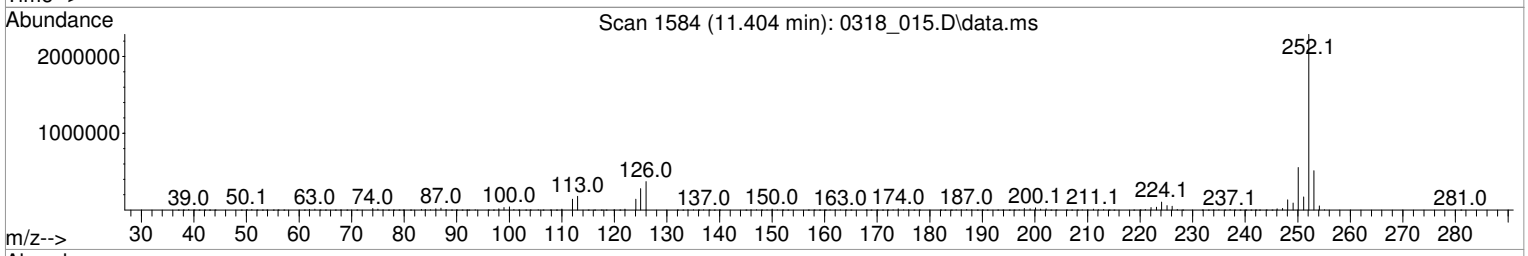
response 5598560

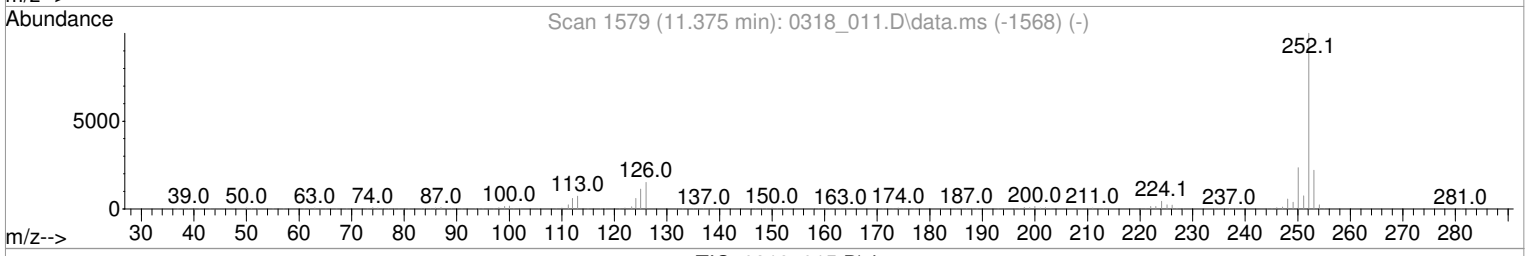
Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.00	22.60
125.90	15.10	16.55
113.00	7.20	8.07

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_015.D
Acq On : 18 Mar 2022 07:56 pm
Operator : 917
Sample : STD SVMS 50K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 22 17:00:12 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 17:00:09 2022
Response via : Initial Calibration







TIC: 0318_015.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.404min (+ 0.029) 54118.1934748 ppb m

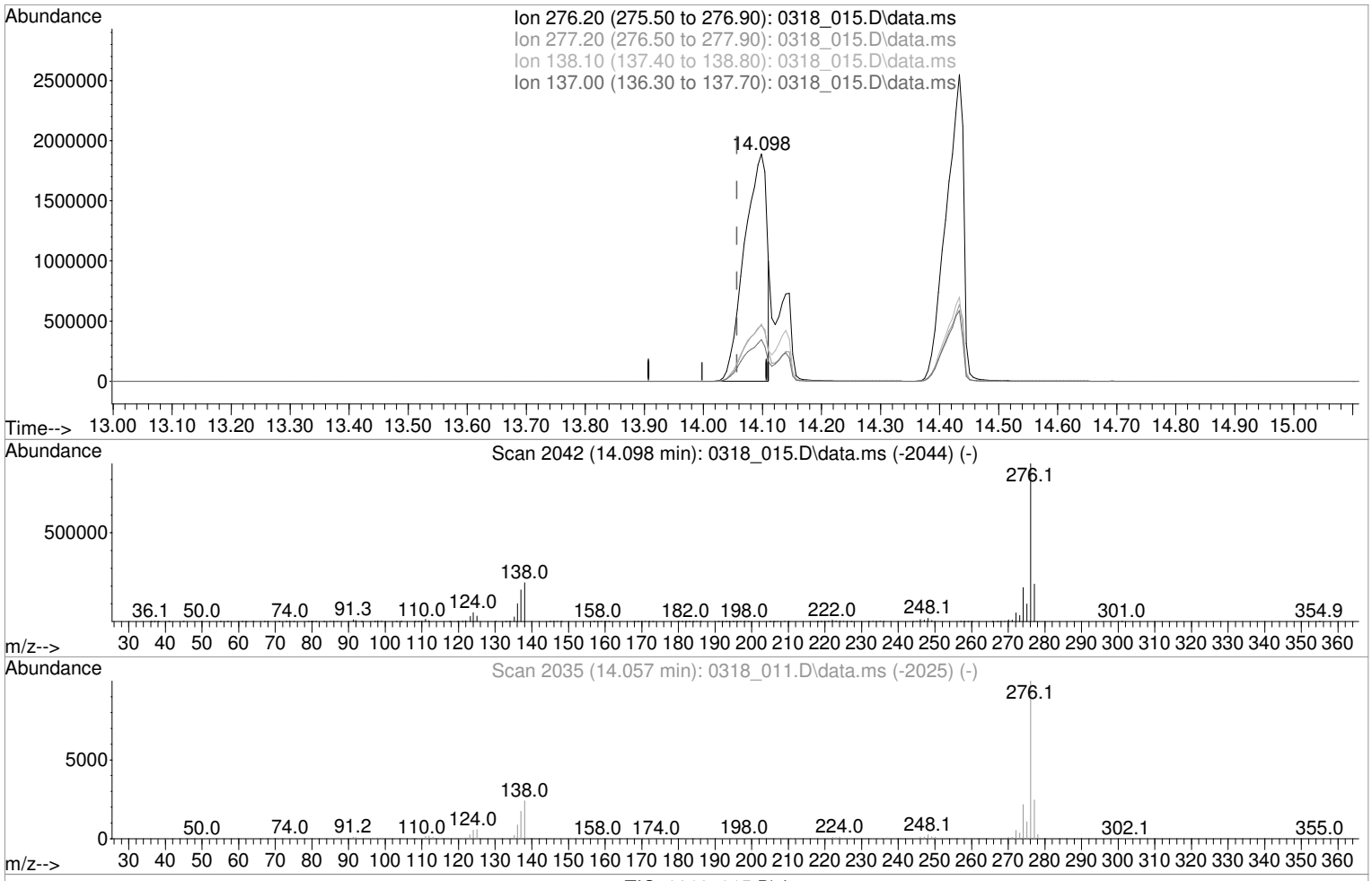
response 5738458

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.00	22.46
125.90	15.10	16.17
113.00	7.20	7.82

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_015.D
Acq On : 18 Mar 2022 07:56 pm
Operator : 917
Sample : STD SVMS 50K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 22 17:00:12 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 17:00:09 2022
Response via : Initial Calibration



TIC: 0318_015.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

14.098min (+ 0.041) 55304.0296909 ppb

Qvalue = 99

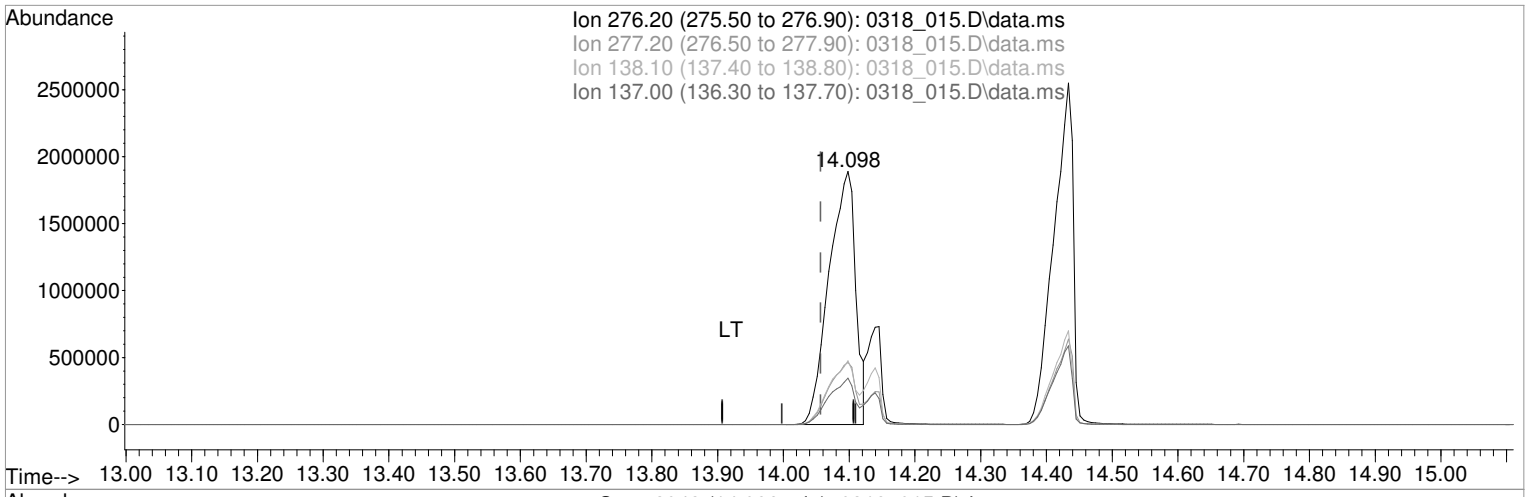
response 4998862

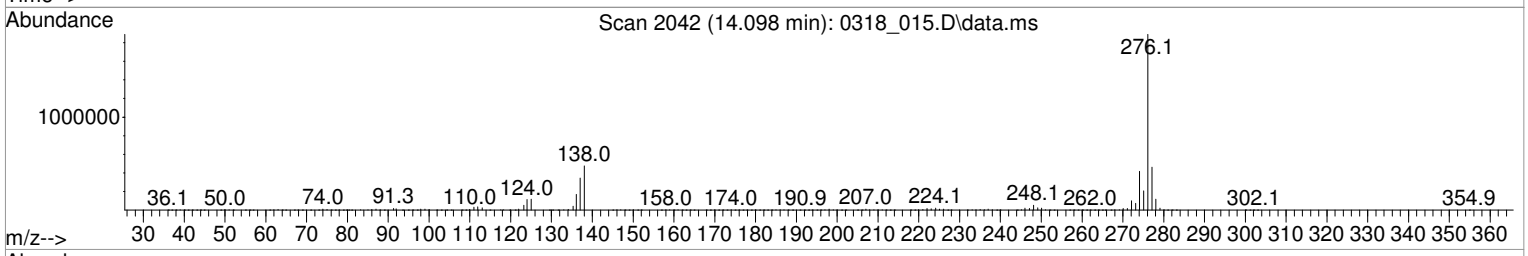
Ion	Exp%	Act%
276.20	100.00	100.00
277.20	24.50	24.49
138.10	24.00	25.15
137.00	17.50	18.30

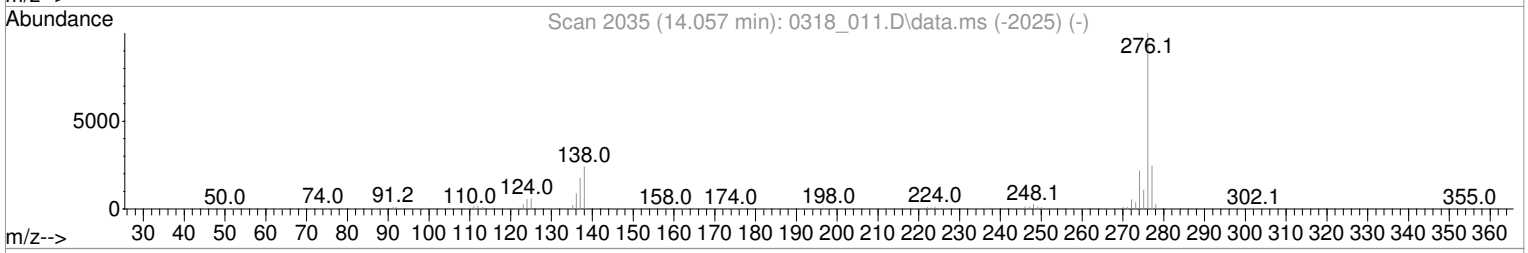
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_015.D
Acq On : 18 Mar 2022 07:56 pm
Operator : 917
Sample : STD SVMS 50K ppb 22C18416 exp 08/25/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 22 17:00:12 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 17:00:09 2022
Response via : Initial Calibration







TIC: 0318_015.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

14.098min (+ 0.041) 59199.2601041 ppb m

response 5350947

Ion	Exp%	Act%
276.20	100.00	100.00
277.20	24.50	24.49
138.10	24.00	25.15
137.00	17.50	18.30

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_016.D
Acq On : 18 Mar 2022 08:17 pm
Operator : 917
Sample : STD TCL 1K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 13 Sample Multiplier: 1

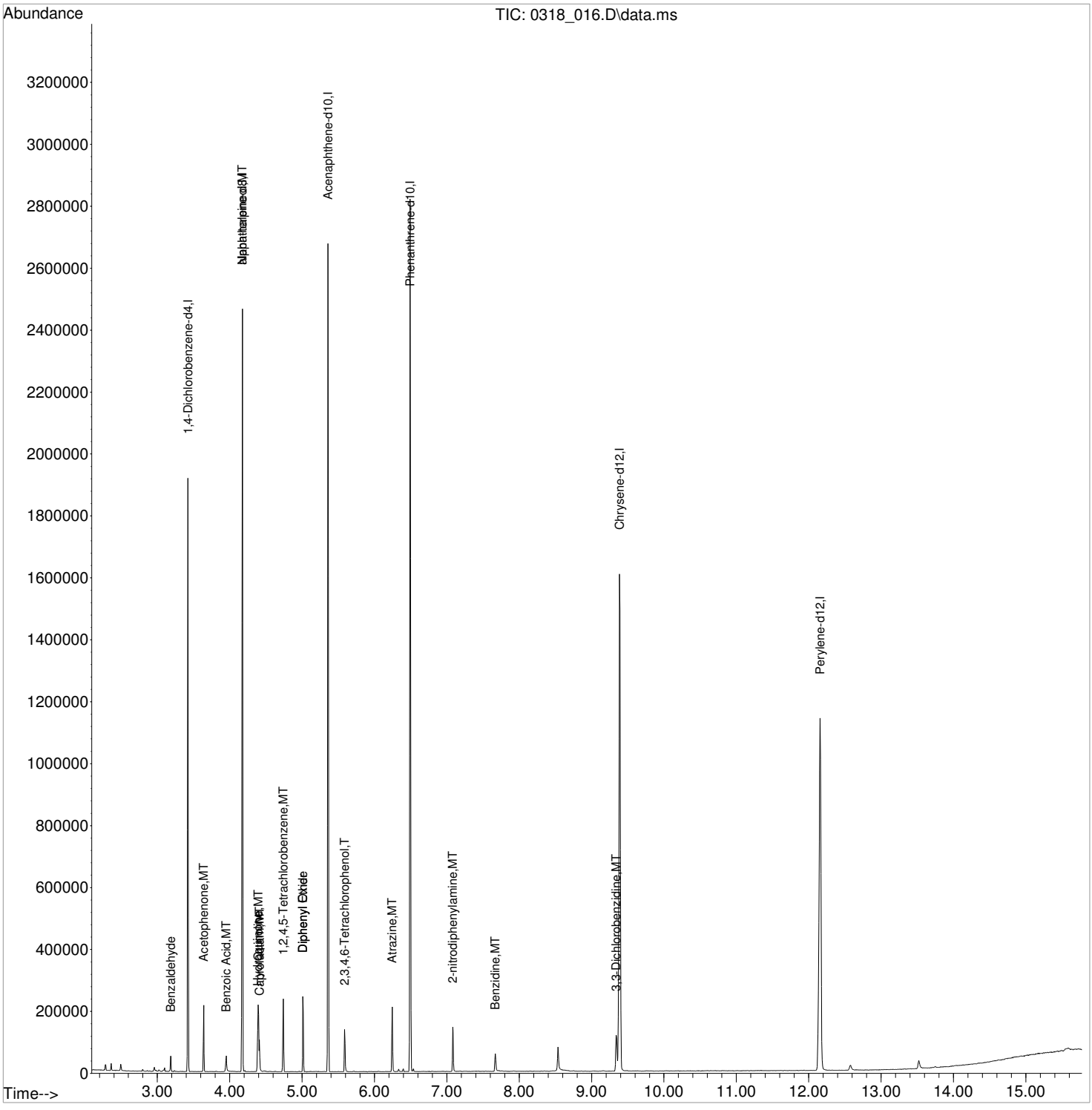
Quant Time: Mar 23 09:02:15 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 17:02:59 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.423	152	195958	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.175	136	745538	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.358	164	434147	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.493	188	828069	8000.0000000	ppb		0.00
84) Chrysene-d12	9.387	240	722760	8000.0000000	ppb		0.00
94) Perylene-d12	12.157	264	719340	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.187	105	8089	1043.1635099	ppb		97
22) Acetophenone	3.640	105	42361	1006.8322096	ppb		99
31) Benzoic Acid	3.952	105	13646	873.4201364	ppb		82
33) alpha-terpineol	4.175	59	21338	1190.8767938	ppb		97
37) Hydroquinone	4.387	110	30739	1040.8537006	ppb		99
38) Quinoline	4.393	129	61458	1154.2273930	ppb		98
39) Caprolactam	4.411	113	9645	1051.4229683	ppb	#	82
43) 1,2,4,5-Tetrachloroben...	4.740	216	30339	1196.5772726	ppb		99
44) Diphenyl Ether	5.011	170	42071	1176.8944022	ug/ml		99
45) Diphenyl Oxide	5.011	170	42071	1176.8944022	ug/ml		99
62) 2,3,4,6-Tetrachlorophenol	5.587	232	14079	927.8089609	ppb		83
69) Atrazine	6.246	200	19997	957.3285345	ppb	#	100
82) 2-nitrodiphenylamine	7.081	167	17350	752.0807531	ppb		96
85) Benzidine	7.669	184	28095	598.8091824	ppb	#	100
89) 3,3-Dichlorobenzidine	9.340	252	36778	939.1898236	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_016.D
Acq On : 18 Mar 2022 08:17 pm
Operator : 917
Sample : STD TCL 1K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 23 09:02:15 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 17:02:59 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_017.D
Acq On : 18 Mar 2022 08:39 pm
Operator : 917
Sample : STD TCL 2K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 14 Sample Multiplier: 1

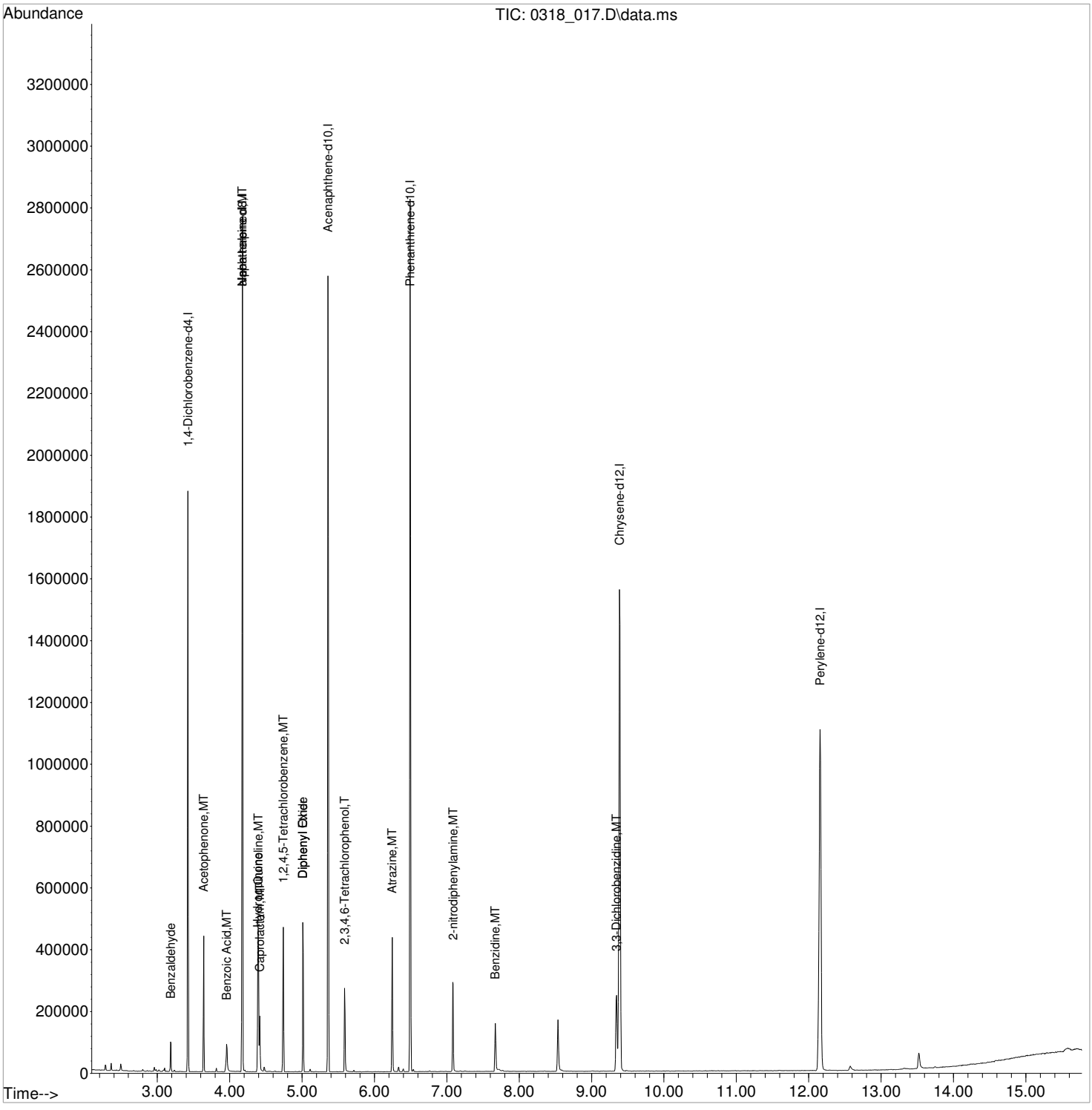
Quant Time: Mar 23 09:03:22 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:03:19 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.422	152	191201	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.175	136	761237	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.358	164	429120	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.493	188	808712	8000.0000000	ppb	0.00
84) Chrysene-d12	9.387	240	733443	8000.0000000	ppb	0.00
94) Perylene-d12	12.157	264	710286	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb	
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#		
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb	
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#		
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb	
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
9) Benzaldehyde	3.187	105	15595	2017.6351790	ppb	98
22) Acetophenone	3.640	105	82981	2014.4724522	ppb	100
31) Benzoic Acid	3.958	105	29525	1975.8430631	ppb	87
33) alpha-terpineol	4.175	59	42472	2119.2284207	ppb	99
37) Hydroquinone	4.387	110	64386	2092.4708595	ppb	97
38) Quinoline	4.393	129	123218	2104.1439910	ppb	99
39) Caprolactam	4.417	113	20259	2108.7151082	ppb	93
43) 1,2,4,5-Tetrachloroben...	4.740	216	59914	2107.1779254	ppb	99
44) Diphenyl Ether	5.011	170	82200	2069.0405774	ug/ml	98
45) Diphenyl Oxide	5.011	170	82200	2069.0405774	ug/ml	98
62) 2,3,4,6-Tetrachlorophenol	5.587	232	27978	1935.2071894	ppb	83
69) Atrazine	6.246	200	39404	1950.1175201	ppb #	100
82) 2-nitrodiphenylamine	7.087	167	36553	1851.9810466	ppb	97
85) Benzidine	7.669	184	73047	1919.2117875	ppb #	100
89) 3,3-Dichlorobenzidine	9.346	252	75317	1954.7701394	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_017.D
Acq On : 18 Mar 2022 08:39 pm
Operator : 917
Sample : STD TCL 2K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 23 09:03:22 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:03:19 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_018.D
Acq On : 18 Mar 2022 09:00 pm
Operator : 917
Sample : STD TCL 5K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 15 Sample Multiplier: 1

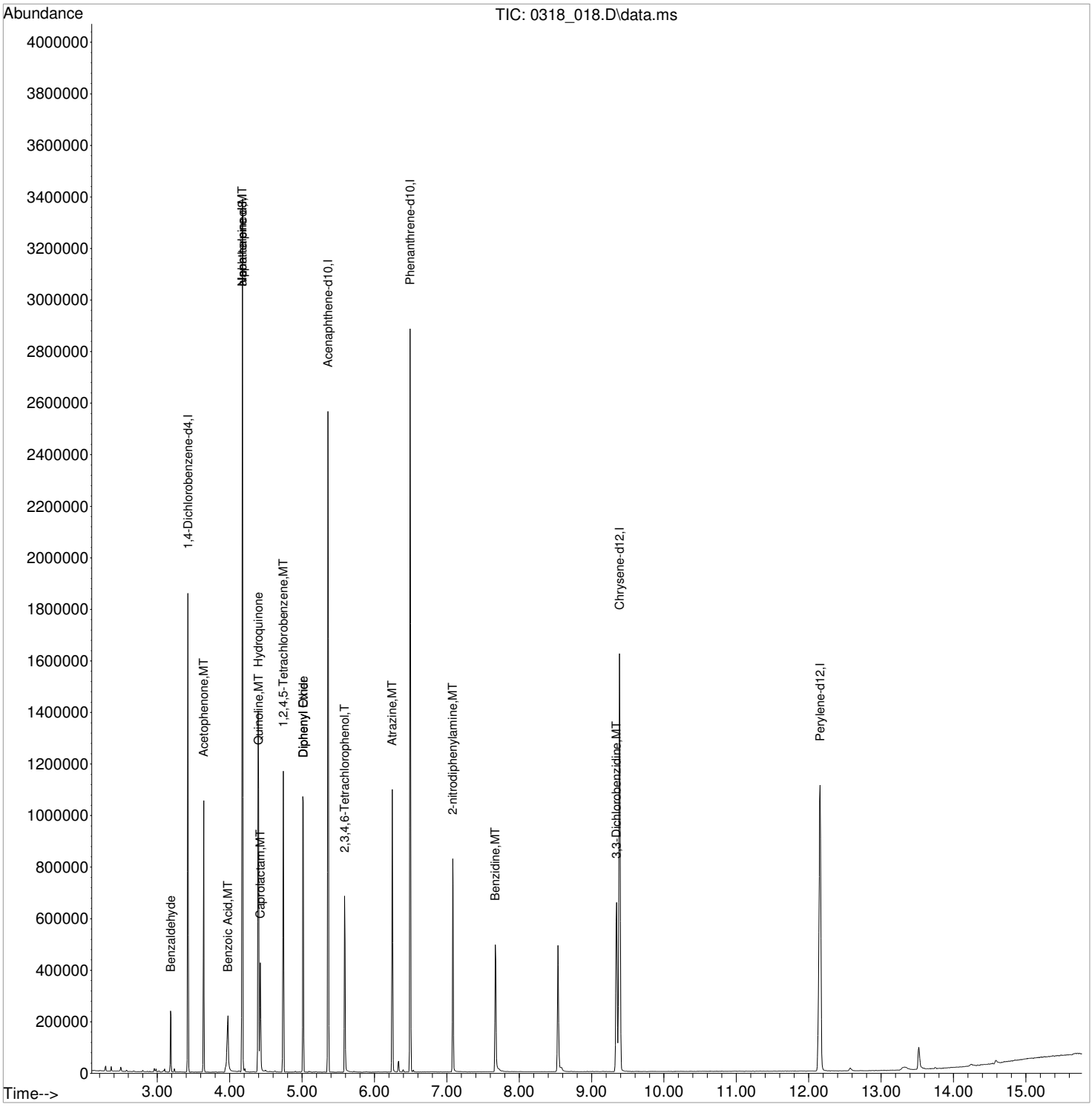
Quant Time: Mar 23 09:04:23 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:04:20 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.422	152	192452	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.175	136	789110	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.358	164	431161	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.493	188	831797	8000.0000000	ppb		0.00
84) Chrysene-d12	9.387	240	728184	8000.0000000	ppb		0.00
94) Perylene-d12	12.157	264	707914	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.187	105	37597	4818.4081072	ppb		98
22) Acetophenone	3.640	105	201603	4850.6629662	ppb		99
31) Benzoic Acid	3.975	105	80902	5243.9218064	ppb		88
33) alpha-terpineol	4.175	59	101394	4785.4660666	ppb		98
37) Hydroquinone	4.393	110	161807	4995.8042256	ppb		98
38) Quinoline	4.399	129	304786	4935.2043261	ppb		98
39) Caprolactam	4.422	113	52035	5131.9118156	ppb		96
43) 1,2,4,5-Tetrachloroben...	4.740	216	144852	4828.2573300	ppb		100
44) Diphenyl Ether	5.016	170	201548	4838.2603533	ug/ml		99
45) Diphenyl Oxide	5.016	170	201548	4838.2603533	ug/ml		99
62) 2,3,4,6-Tetrachlorophenol	5.587	232	71104	4948.3394924	ppb		82
69) Atrazine	6.246	200	100767	5004.9966979	ppb	#	100
82) 2-nitrodiphenylamine	7.081	167	99887	5044.8395517	ppb		99
85) Benzidine	7.669	184	217091	5823.3775004	ppb	#	100
89) 3,3-Dichlorobenzidine	9.346	252	191076	5032.9232619	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_018.D
Acq On : 18 Mar 2022 09:00 pm
Operator : 917
Sample : STD TCL 5K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 23 09:04:23 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:04:20 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_019.D
Acq On : 18 Mar 2022 09:22 pm
Operator : 917
Sample : MSTD TCL 10K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 16 Sample Multiplier: 1

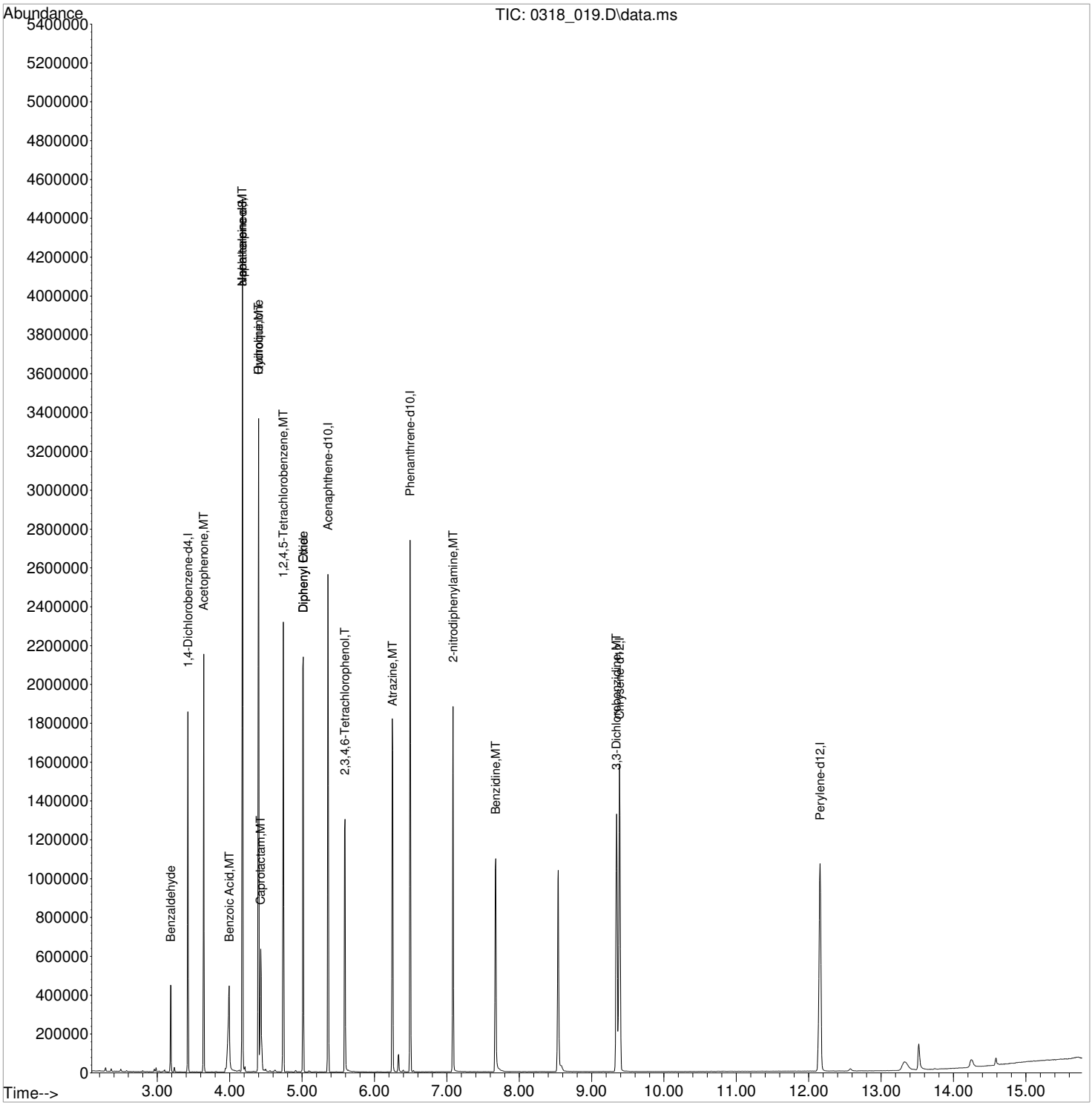
Quant Time: Mar 22 16:30:32 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:30:24 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.422	152	187136	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.175	136	840019	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.358	164	424598	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.493	188	806531	8000.0000000 ppb	0.00
84) Chrysene-d12	9.387	240	724331	8000.0000000 ppb	0.00
94) Perylene-d12	12.157	264	688612	8000.0000000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	0.000	112	0d	0.0000000 ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#	
7) Phenol-d5	0.000	99	0	0.0000000 ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#	
24) Nitrobenzene-d5	0.000	82	0d	0.0000000 ppb	
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#	
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000 ppb	
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#	
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000 ppb	
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#	
87) p-Terphenyl-d14	0.000	244	0d	0.0000000 ppb	
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#	
Target Compounds					Qvalue
9) Benzaldehyde	3.187	105	74052	10000.0000000 ppb	100
22) Acetophenone	3.640	105	401794	10000.0000000 ppb	100
31) Benzoic Acid	3.993	105	176036	10086.8090373 ppb	87
33) alpha-terpineol	4.175	59	201886	10000.0000000 ppb	100
37) Hydroquinone	4.399	110	332751	9876.3786819 ppb	100
38) Quinoline	4.399	129	599938	10000.0000000 ppb	100
39) Caprolactam	4.428	113	103358	10000.1935059 ppb	100
43) 1,2,4,5-Tetrachloroben...	4.740	216	285680	10000.0000000 ppb	100
44) Diphenyl Ether	5.016	170	402777	10000.0000000 ug/ml	100
45) Diphenyl Oxide	5.016	170	402777	10000.0000000 ug/ml	100
62) 2,3,4,6-Tetrachlorophenol	5.593	232	148407	9940.9199606 ppb	100
69) Atrazine	6.252	200	204289	10008.7697810 ppb #	100
82) 2-nitrodiphenylamine	7.087	167	224693	10000.0000000 ppb	100
85) Benzidine	7.675	184	470201	10167.4528974 ppb #	100
89) 3,3-Dichlorobenzidine	9.346	252	392444	9998.1525963 ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_019.D
Acq On : 18 Mar 2022 09:22 pm
Operator : 917
Sample : MSTD TCL 10K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 22 16:30:32 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Tue Mar 22 16:30:24 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\053122\
Data File : 0531_04.D
Acq On : 31 May 2022 12:08 pm
Operator : 917
Sample : ICV TCL 10K1 ppb 22E10466 exp 10/29/22
Misc : TCL CAL ISTD 22E03623 exp 11/03/22
ALS Vial : 4 Sample Multiplier: 1

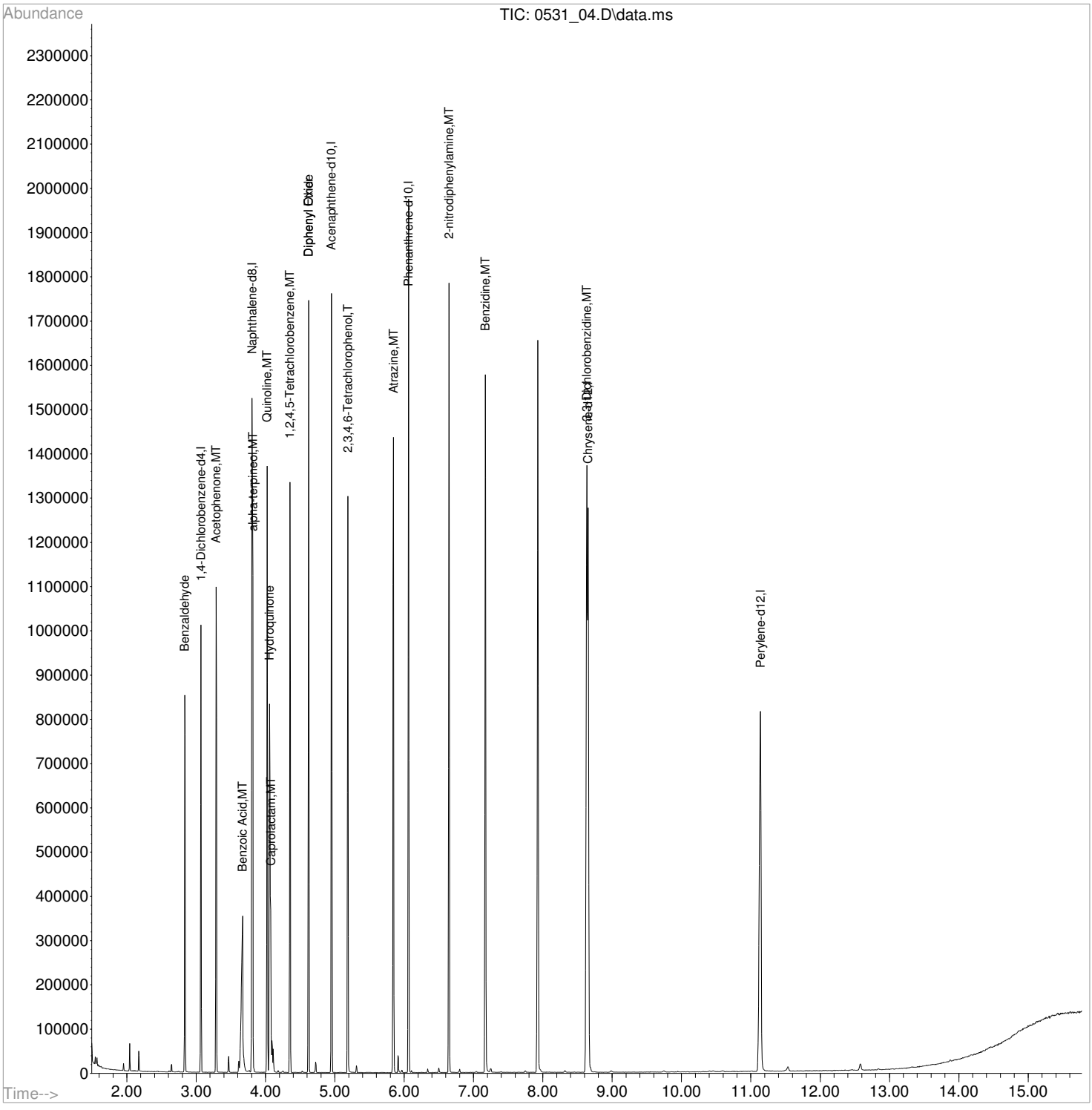
Quant Time: May 31 13:53:39 2022
Quant Method : C:\GCMS\1\methods\S833E31V.M
Quant Title : 8270 BNA
QLast Update : Tue May 31 13:50:44 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.069	152	108778	8000.0000000	ppb		0.00
23) Naphthalene-d8	3.805	136	477868	8000.0000000	ppb		0.00
46) Acenaphthene-d10	4.952	164	260720	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.063	188	544888	8000.0000000	ppb		0.00
84) Chrysene-d12	8.652	240	539697	8000.0000000	ppb		0.00
94) Perylene-d12	11.140	264	539762	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	2.834	105	134373	30125.8876681	ppb		97
22) Acetophenone	3.287	105	247547	10305.3684726	ppb		97
31) Benzoic Acid	3.669	105	153610	16967.9111839	ppb		85
33) alpha-terpineol	3.816	59	120846	9913.7641187	ppb		90
37) Hydroquinone	4.058	110	212040	12026.3304840	ppb		97
38) Quinoline	4.022	129	361995	10552.5268176	ppb		97
39) Caprolactam	4.075	113	67891	11805.5865115	ppb	#	80
43) 1,2,4,5-Tetrachloroben...	4.352	216	180901	10873.4802857	ppb		99
44) Diphenyl Ether	4.622	170	253952	10968.7823760	ug/ml		98
45) Diphenyl Oxide	4.622	170	253952	10968.7823760	ug/ml		98
62) 2,3,4,6-Tetrachlorophenol	5.187	232	114141	12020.7465797	ppb		97
69) Atrazine	5.846	200	147659	11441.5988021	ppb	#	100
82) 2-nitrodiphenylamine	6.646	167	177750	9963.9695342	ppb		95
85) Benzidine	7.169	184	567084	13519.9713421	ppb	#	100
89) 3,3-Dichlorobenzidine	8.634	252	331676	10921.4973367	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\053122\
Data File : 0531_04.D
Acq On : 31 May 2022 12:08 pm
Operator : 917
Sample : ICV TCL 10K1 ppb 22E10466 exp 10/29/22
Misc : TCL CAL ISTD 22E03623 exp 11/03/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 31 13:53:39 2022
Quant Method : C:\GCMS\1\methods\S833E31V.M
Quant Title : 8270 BNA
QLast Update : Tue May 31 13:50:44 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_020.D
Acq On : 18 Mar 2022 09:43 pm
Operator : 917
Sample : STD TCL 20K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 17 Sample Multiplier: 1

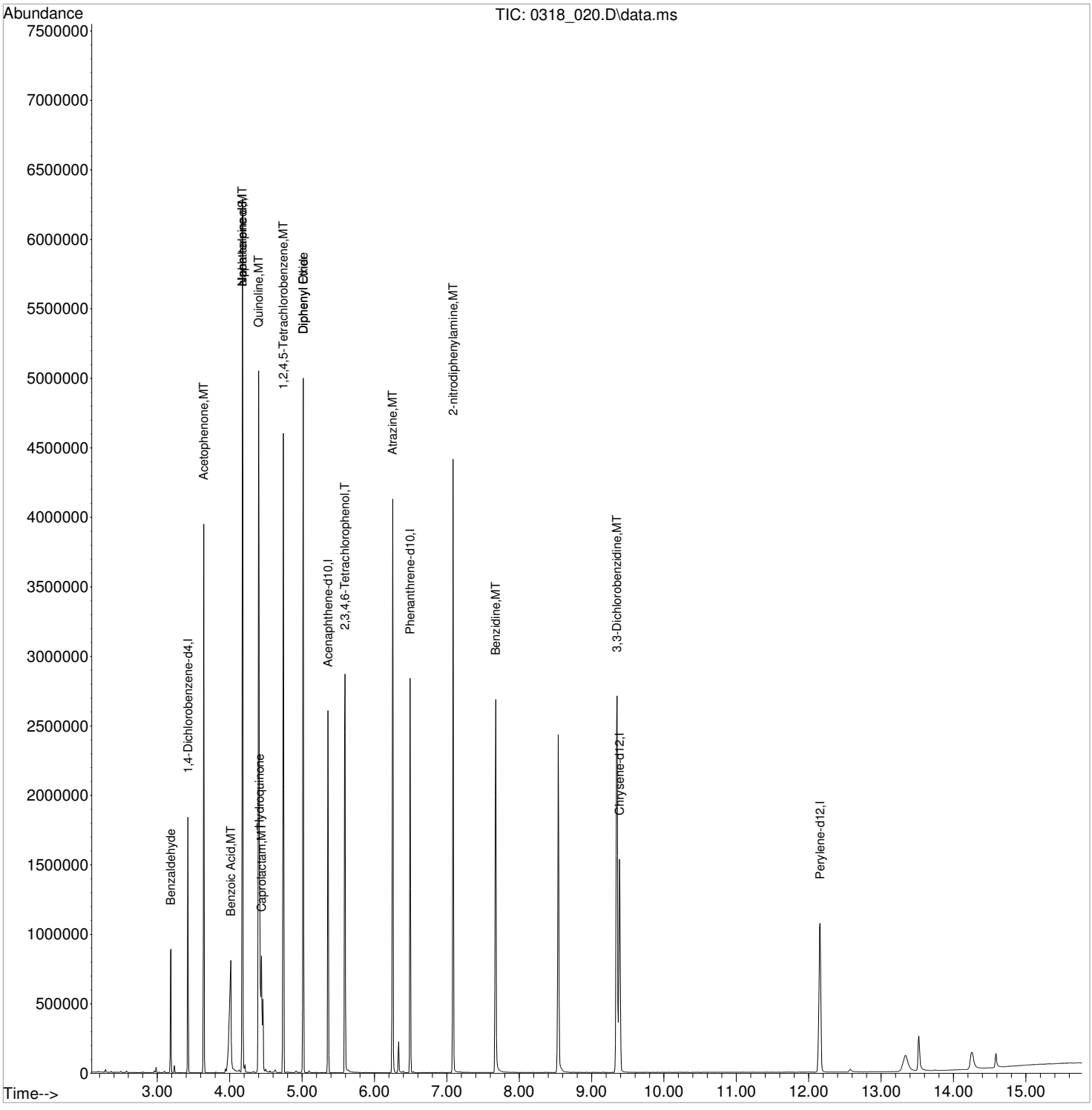
Quant Time: Mar 23 09:05:25 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:05:20 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.422	152	186239	8000.0000000 ppb		0.00
23) Naphthalene-d8	4.175	136	962623	8000.0000000 ppb		0.00
46) Acenaphthene-d10	5.358	164	417773	8000.0000000 ppb		0.00
70) Phenanthrene-d10	6.493	188	784433	8000.0000000 ppb		0.00
84) Chrysene-d12	9.387	240	699529	8000.0000000 ppb		0.00
94) Perylene-d12	12.157	264	673495	8000.0000000 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.0000000 ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.0000000 ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.0000000 ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#		
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000 ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000 ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#		
87) p-Terphenyl-d14	0.000	244	0d	0.0000000 ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
9) Benzaldehyde	3.187	105	150686	20138.9266027 ppb		99
22) Acetophenone	3.640	105	818589	20505.8035088 ppb		99
31) Benzoic Acid	4.016	105	384576m	20188.1156776 ppb		
33) alpha-terpineol	4.175	59	409948	16032.6672941 ppb		99
37) Hydroquinone	4.411	110	674031m	17063.1971520 ppb		
38) Quinoline	4.399	129	1209109	16101.4947494 ppb		98
39) Caprolactam	4.440	113	207883	16696.6326035 ppb	#	79
43) 1,2,4,5-Tetrachloroben...	4.740	216	585225	16129.3009349 ppb		99
44) Diphenyl Ether	5.016	170	822758	16322.6466257 ug/ml		99
45) Diphenyl Oxide	5.016	170	822758	16322.6466257 ug/ml		99
62) 2,3,4,6-Tetrachlorophenol	5.593	232	308187	22192.2898916 ppb		98
69) Atrazine	6.252	200	415395	21288.1216988 ppb	#	100
82) 2-nitrodiphenylamine	7.087	167	489012	26130.4452875 ppb		99
85) Benzidine	7.675	184	1031392	27661.2062827 ppb	#	100
89) 3,3-Dichlorobenzidine	9.351	252	801320	21935.1812222 ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_020.D
Acq On : 18 Mar 2022 09:43 pm
Operator : 917
Sample : STD TCL 20K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 17 Sample Multiplier: 1

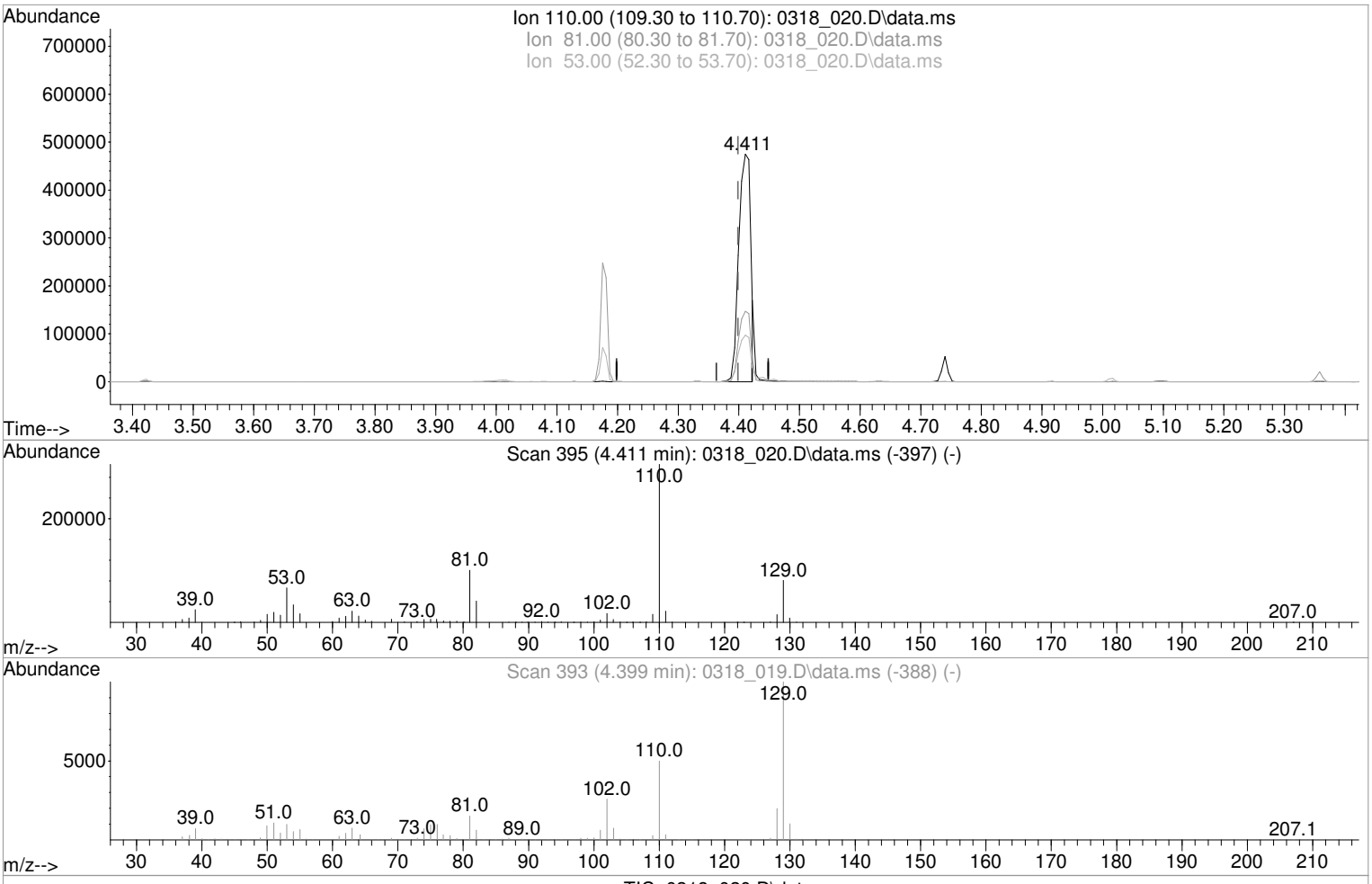
Quant Time: Mar 23 09:05:25 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:05:20 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_020.D
Acq On : 18 Mar 2022 09:43 pm
Operator : 917
Sample : STD TCL 20K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 23 09:05:25 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:05:20 2022
Response via : Initial Calibration



TIC: 0318_020.D\data.ms

(37) Hydroquinone

4.411min (+ 0.012) 16743.7958805 ppb

Qvalue = 99

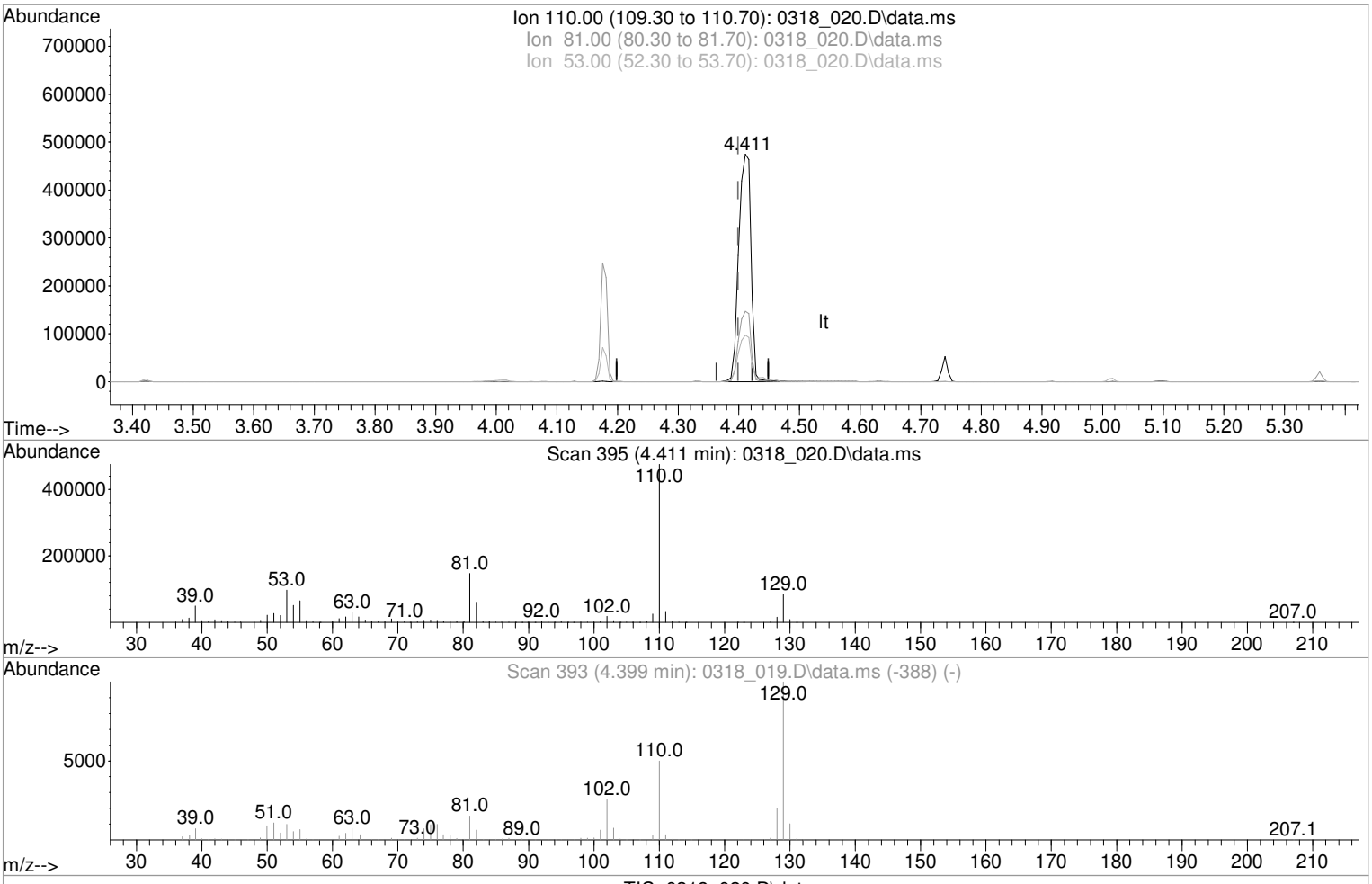
response 661414

Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	31.03
53.00	19.80	20.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_020.D
Acq On : 18 Mar 2022 09:43 pm
Operator : 917
Sample : STD TCL 20K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 23 09:05:25 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:05:20 2022
Response via : Initial Calibration



TIC: 0318_020.D\data.ms

(37) Hydroquinone

4.411min (+ 0.012) 17063.1971520 ppb m

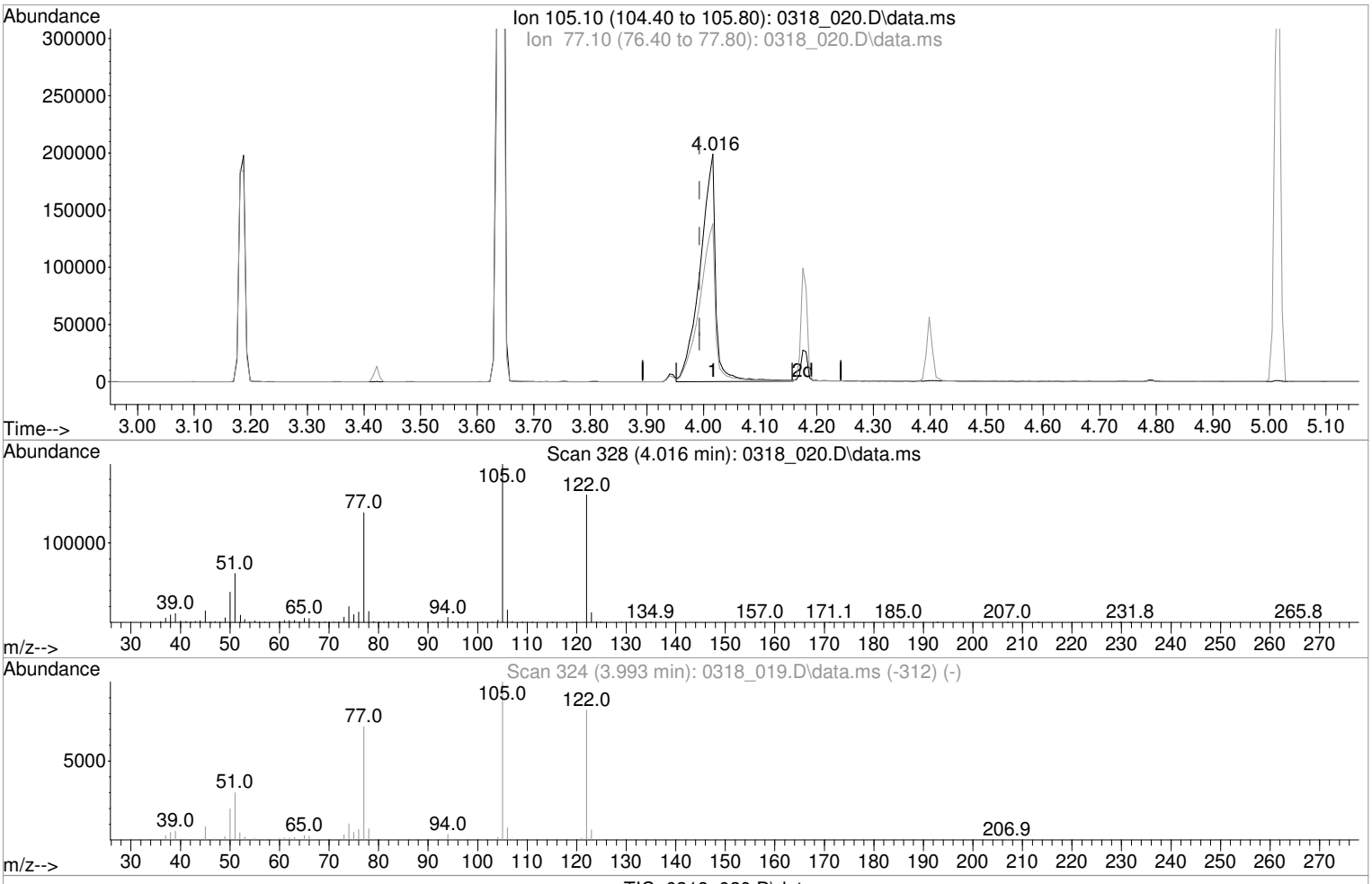
response 674031

Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	31.03
53.00	19.80	20.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_020.D
Acq On : 18 Mar 2022 09:43 pm
Operator : 917
Sample : STD TCL 20K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 23 09:05:25 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:05:20 2022
Response via : Initial Calibration



TIC: 0318_020.D\data.ms

(31) Benzoic Acid (MT)

4.016min (+ 0.023) 19894.6715557 ppb

Qvalue = 89

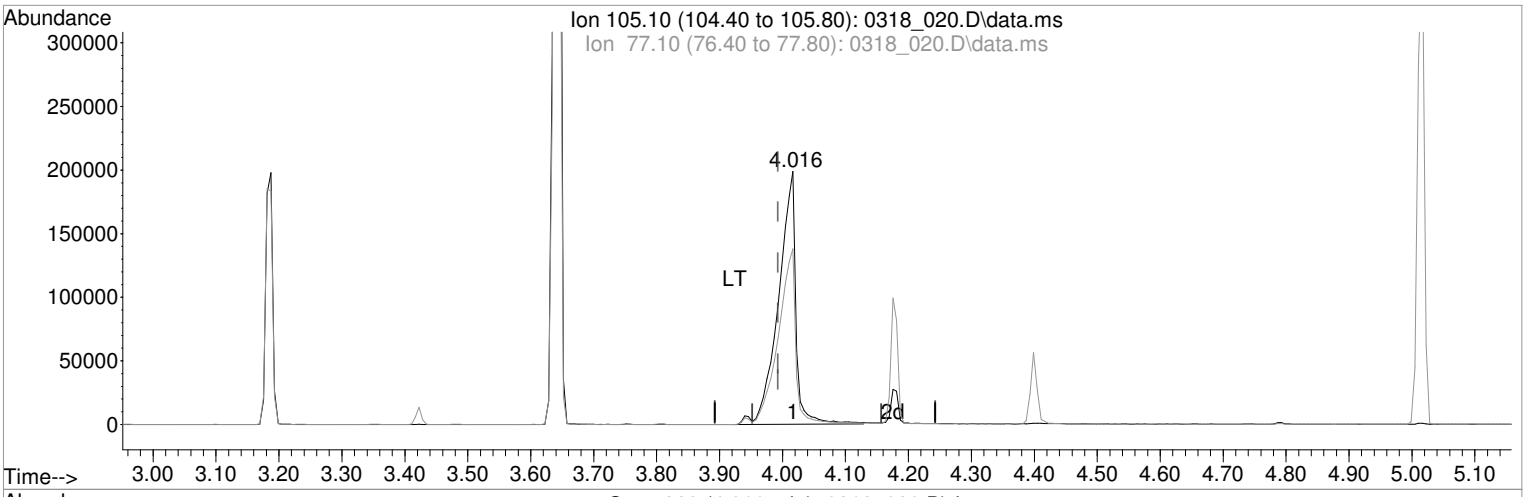
response 378986

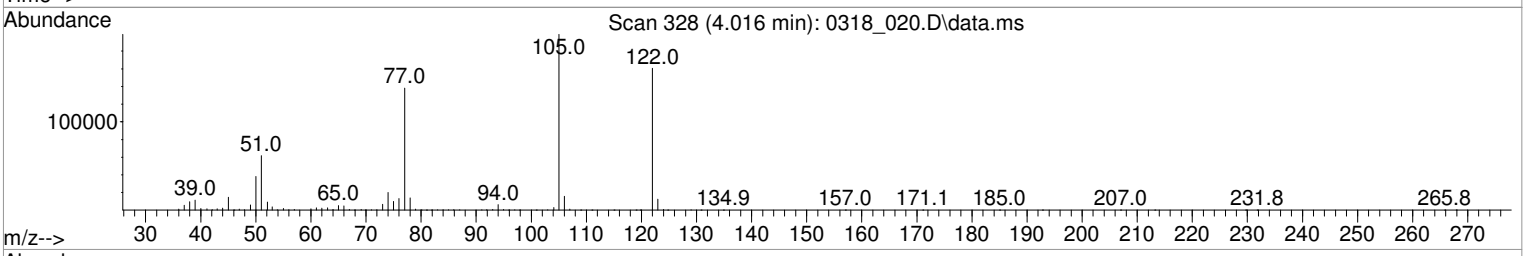
Ion	Exp%	Act%
105.10	100.00	100.00
77.10	62.50	70.93
0.00	0.00	0.00
0.00	0.00	0.00

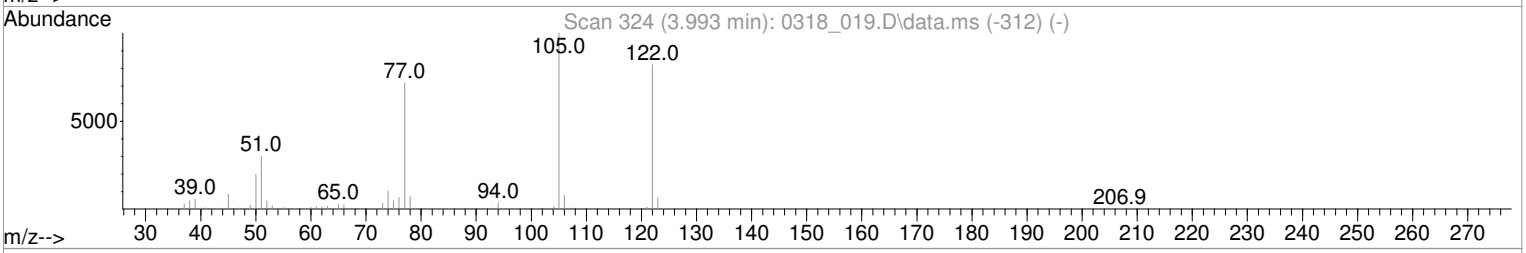
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_020.D
Acq On : 18 Mar 2022 09:43 pm
Operator : 917
Sample : STD TCL 20K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 23 09:05:25 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:05:20 2022
Response via : Initial Calibration







TIC: 0318_020.D\data.ms

(31) Benzoic Acid (MT)

4.016min (+ 0.023) 20188.1156776 ppb m

response	**384576**	
Ion	**Exp%**	**Act%**
105.10	**100.00**	**100.00**
77.10	**62.50**	**69.90**
0.00	**0.00**	**0.00**
0.00	**0.00**	**0.00**

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_021.D
Acq On : 18 Mar 2022 10:04 pm
Operator : 917
Sample : STD TCL 30K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 18 Sample Multiplier: 1

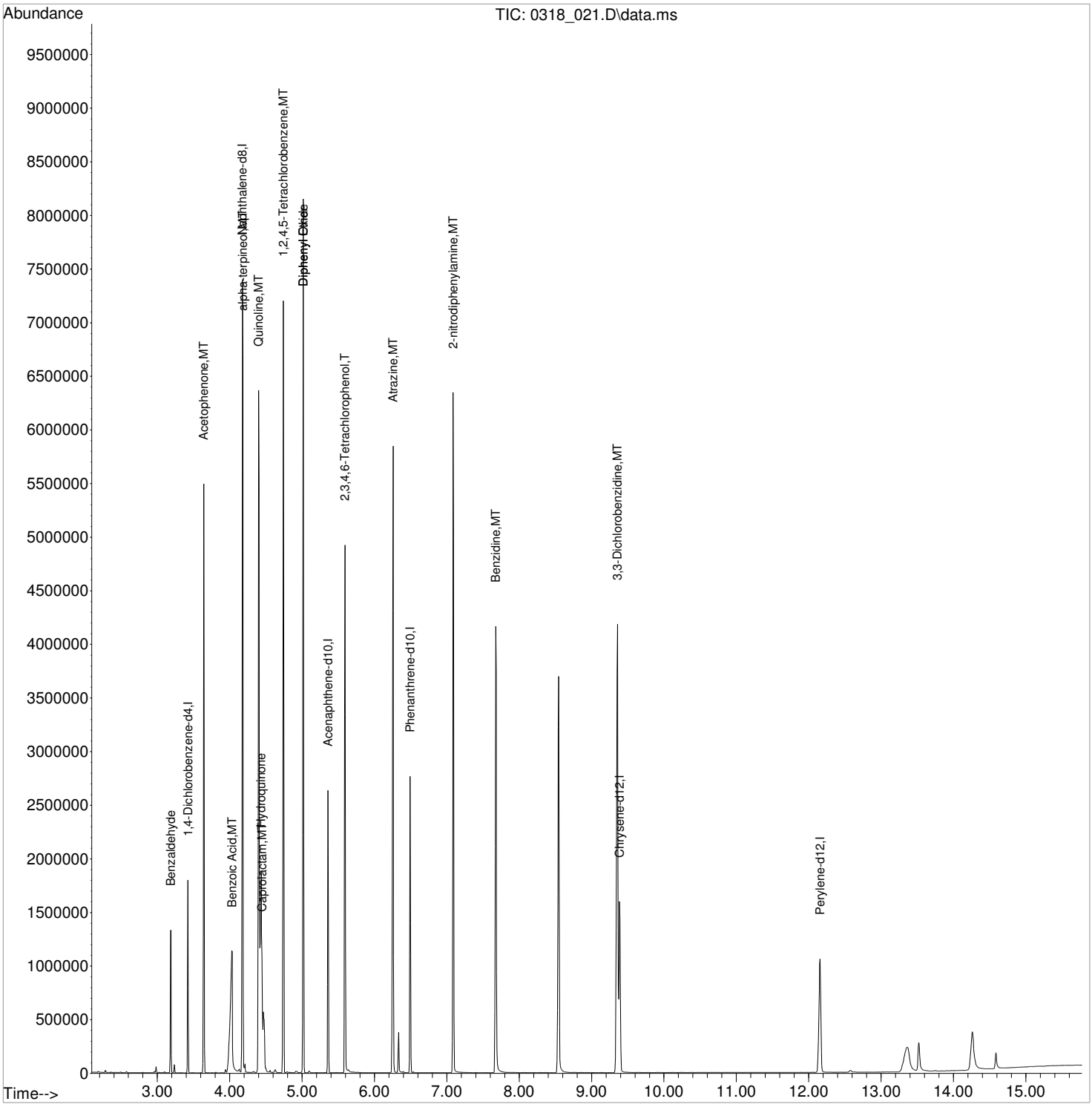
Quant Time: Mar 23 09:06:49 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:06:46 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.423	152	183947	8000.0000000 ppb		0.00
23) Naphthalene-d8	4.175	136	1096028	8000.0000000 ppb		0.00
46) Acenaphthene-d10	5.358	164	418509	8000.0000000 ppb		0.00
70) Phenanthrene-d10	6.493	188	782630	8000.0000000 ppb		0.00
84) Chrysene-d12	9.387	240	705696	8000.0000000 ppb		0.00
94) Perylene-d12	12.157	264	676814	8000.0000000 ppb		0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.0000000 ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0	0.0000000 ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.0000000 ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#		
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000 ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000 ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#		
87) p-Terphenyl-d14	0.000	244	0d	0.0000000 ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
9) Benzaldehyde	3.187	105	225957	30532.6292679 ppb		99
22) Acetophenone	3.640	105	1247065	31469.2765853 ppb		99
31) Benzoic Acid	4.034	105	606335	27902.5966486 ppb		89
33) alpha-terpineol	4.181	59	623953	22317.4452977 ppb		86
37) Hydroquinone	4.434	110	1016082m	23274.9784817 ppb		
38) Quinoline	4.399	129	1837276	22360.4008685 ppb		98
39) Caprolactam	4.446	113	317999	23198.4465669 ppb	#	80
43) 1,2,4,5-Tetrachloroben...	4.740	216	911555	22953.7873052 ppb		99
44) Diphenyl Ether	5.017	170	1266133	22903.6116306 ug/ml		98
45) Diphenyl Oxide	5.017	170	1266133	22903.6116306 ug/ml		98
62) 2,3,4,6-Tetrachlorophenol	5.593	232	482569	33944.1280639 ppb		93
69) Atrazine	6.258	200	660233	33346.5075813 ppb	#	100
82) 2-nitrodiphenylamine	7.087	167	799929	40368.0818242 ppb		99
85) Benzidine	7.675	184	1742246	43021.5109647 ppb	#	100
89) 3,3-Dichlorobenzidine	9.358	252	1269962	33805.7004518 ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_021.D
Acq On : 18 Mar 2022 10:04 pm
Operator : 917
Sample : STD TCL 30K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 18 Sample Multiplier: 1

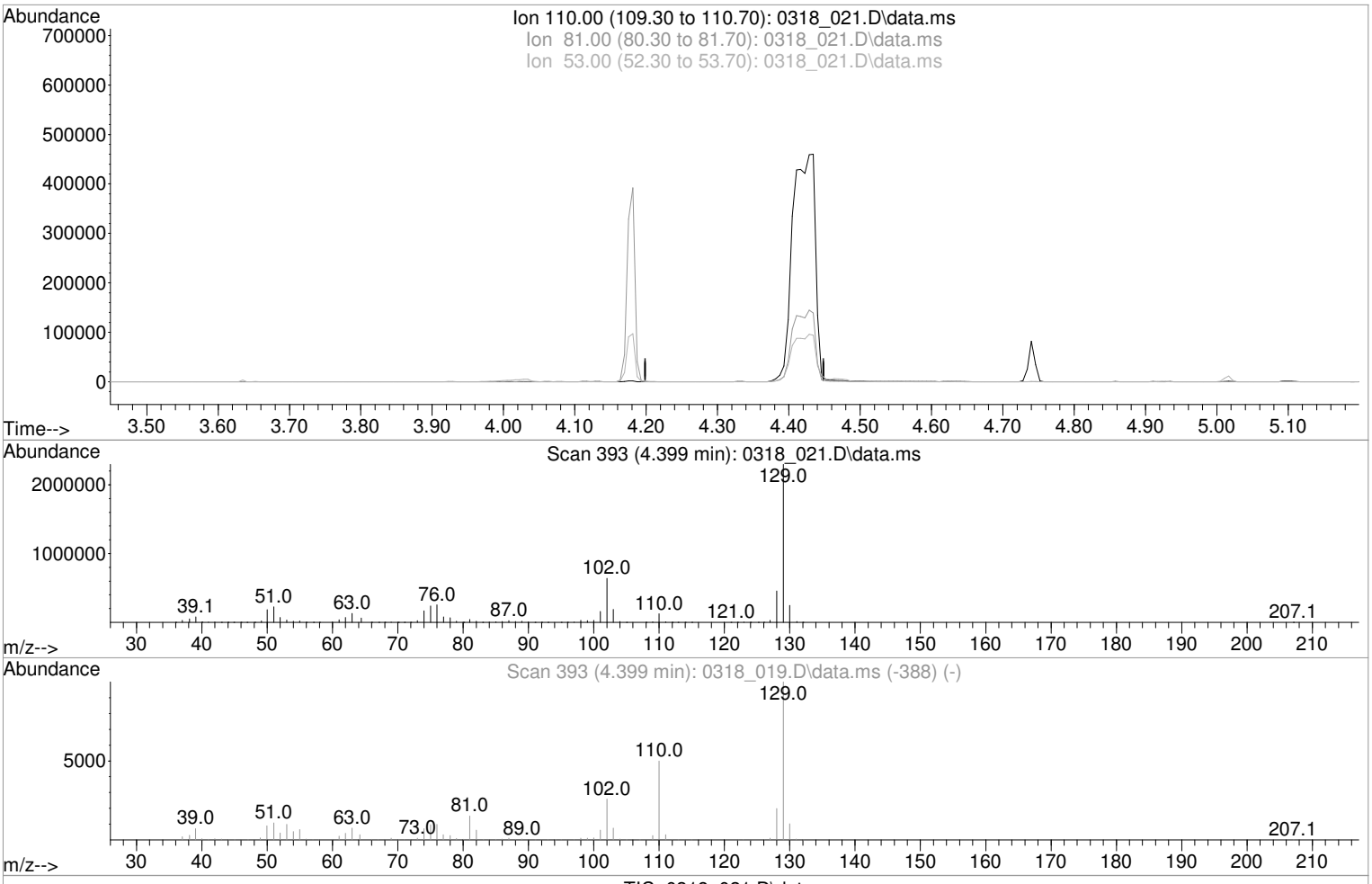
Quant Time: Mar 23 09:06:49 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:06:46 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_021.D
Acq On : 18 Mar 2022 10:04 pm
Operator : 917
Sample : STD TCL 30K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 23 09:06:49 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:06:46 2022
Response via : Initial Calibration



TIC: 0318_021.D\data.ms

(37) Hydroquinone

4.399min (-4.399) 0.0000000 ppb

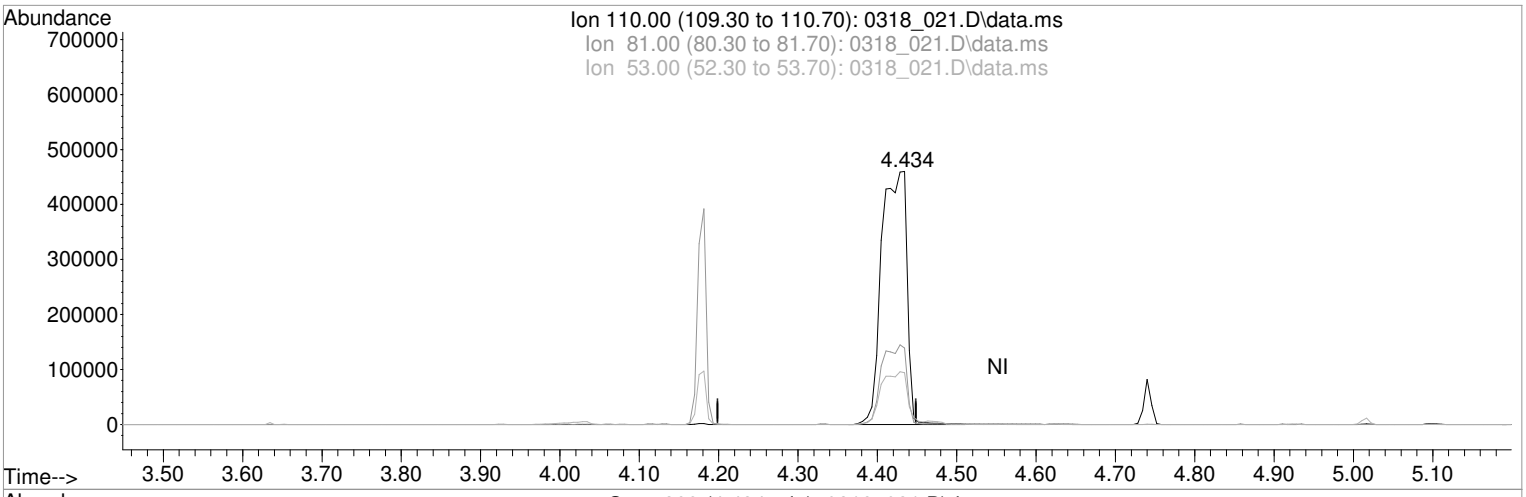
Qvalue = 0

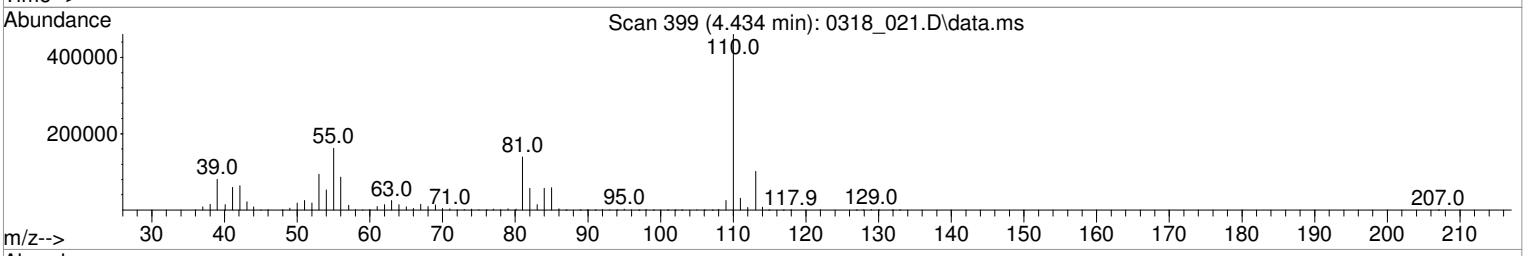
response 0

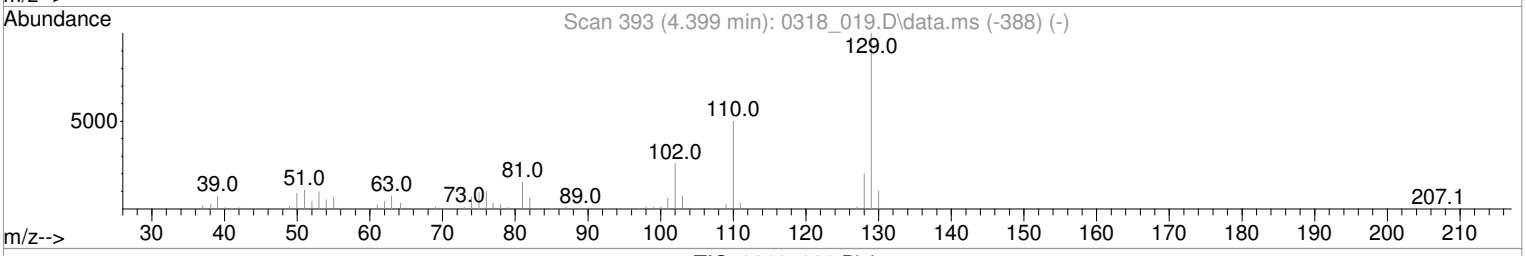
Ion	Exp%	Act%
110.00	100.00	0.00
81.00	30.30	0.00#
53.00	19.80	0.00
0.00	0.00	0.00

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_021.D
Acq On : 18 Mar 2022 10:04 pm
Operator : 917
Sample : STD TCL 30K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 23 09:06:49 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:06:46 2022
Response via : Initial Calibration







TIC: 0318_021.D\data.ms

(37) Hydroquinone

4.434min (+ 0.035) 23274.9784817 ppb m

response 1016082

Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	30.18
53.00	19.80	20.49
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_022.D
Acq On : 18 Mar 2022 10:26 pm
Operator : 917
Sample : STD TCL 40K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 23 09:08:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:08:17 2022
Response via : Initial Calibration

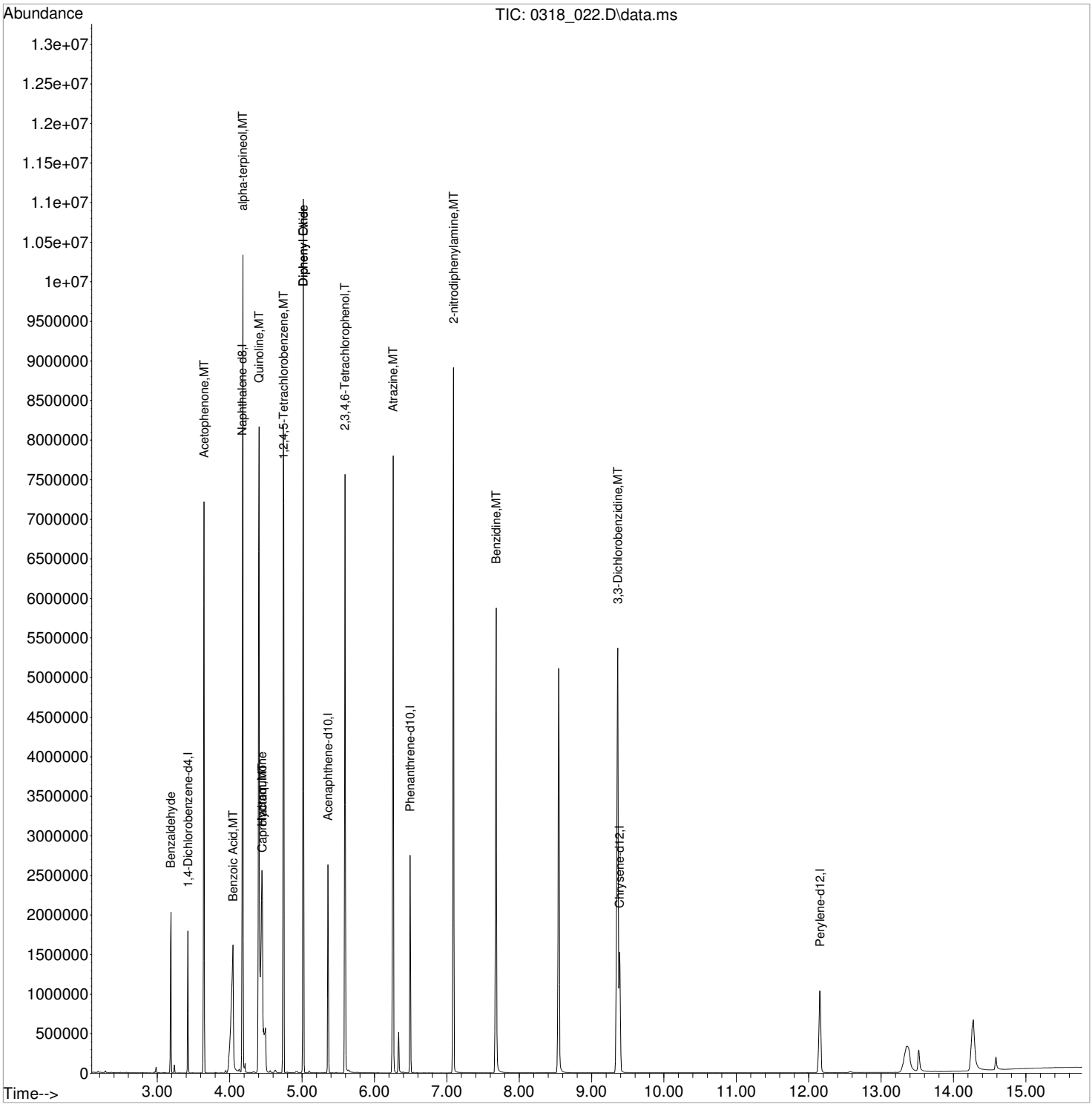
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.423	152	185615	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.175	136	1215119	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.358	164	415377	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.493	188	779597	8000.0000000	ppb		0.00
84) Chrysene-d12	9.387	240	712502	8000.0000000	ppb		0.00
94) Perylene-d12	12.157	264	676854	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.187	105	310997	41523.2216451	ppb		99
22) Acetophenone	3.646	105	1720783	42684.7569259	ppb		99
31) Benzoic Acid	4.046	105	853721	35854.2797659	ppb		89
33) alpha-terpineol	4.181	59	849823	28639.6151542	ppb		88
37) Hydroquinone	4.446	110	1371387m	29434.7293932	ppb		
38) Quinoline	4.405	129	2470350	28320.5392737	ppb		98
39) Caprolactam	4.452	113	431259	29491.8944963	ppb	#	80
43) 1,2,4,5-Tetrachloroben...	4.746	216	1227655	29019.7106889	ppb		98
44) Diphenyl Ether	5.017	170	1725039	29301.8363408	ug/ml		97
45) Diphenyl Oxide	5.017	170	1725039	29301.8363408	ug/ml		97
62) 2,3,4,6-Tetrachlorophenol	5.593	232	677752	47002.9351131	ppb		89
69) Atrazine	6.258	200	893253	44626.1922549	ppb	#	100
82) 2-nitrodiphenylamine	7.093	167	1125533	53914.9998046	ppb		99
85) Benzidine	7.681	184	2392101	54557.4493258	ppb	#	100
89) 3,3-Dichlorobenzidine	9.363	252	1756125	45341.9021328	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_022.D
Acq On : 18 Mar 2022 10:26 pm
Operator : 917
Sample : STD TCL 40K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 19 Sample Multiplier: 1

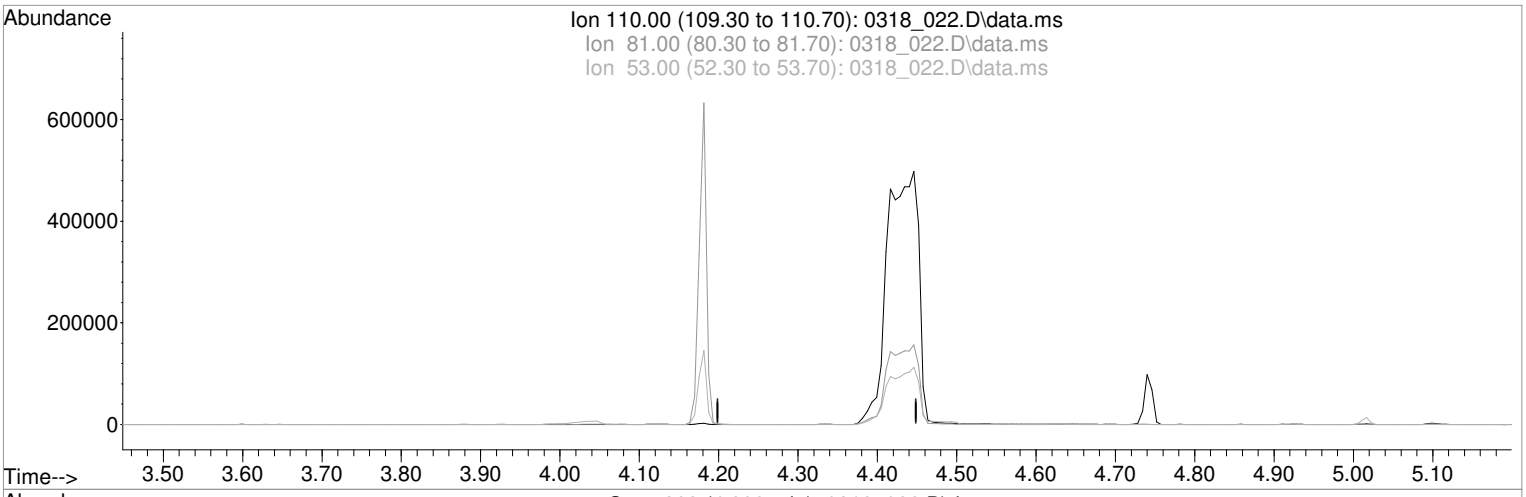
Quant Time: Mar 23 09:08:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:08:17 2022
Response via : Initial Calibration

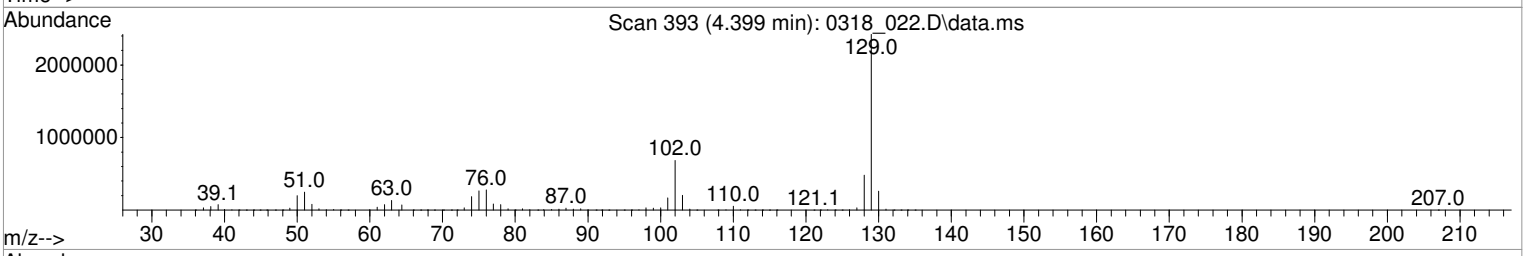


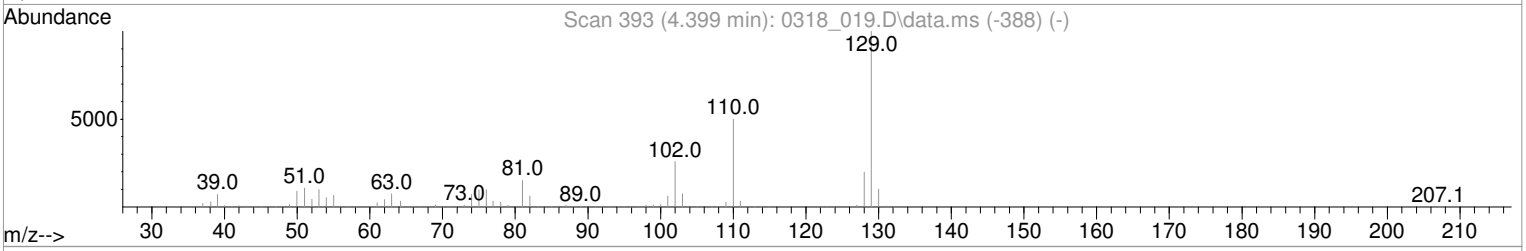
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_022.D
Acq On : 18 Mar 2022 10:26 pm
Operator : 917
Sample : STD TCL 40K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 23 09:08:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:08:17 2022
Response via : Initial Calibration







TIC: 0318_022.D\data.ms

(37) Hydroquinone

4.399min (-4.399) 0.0000000 ppb

Qvalue = 0

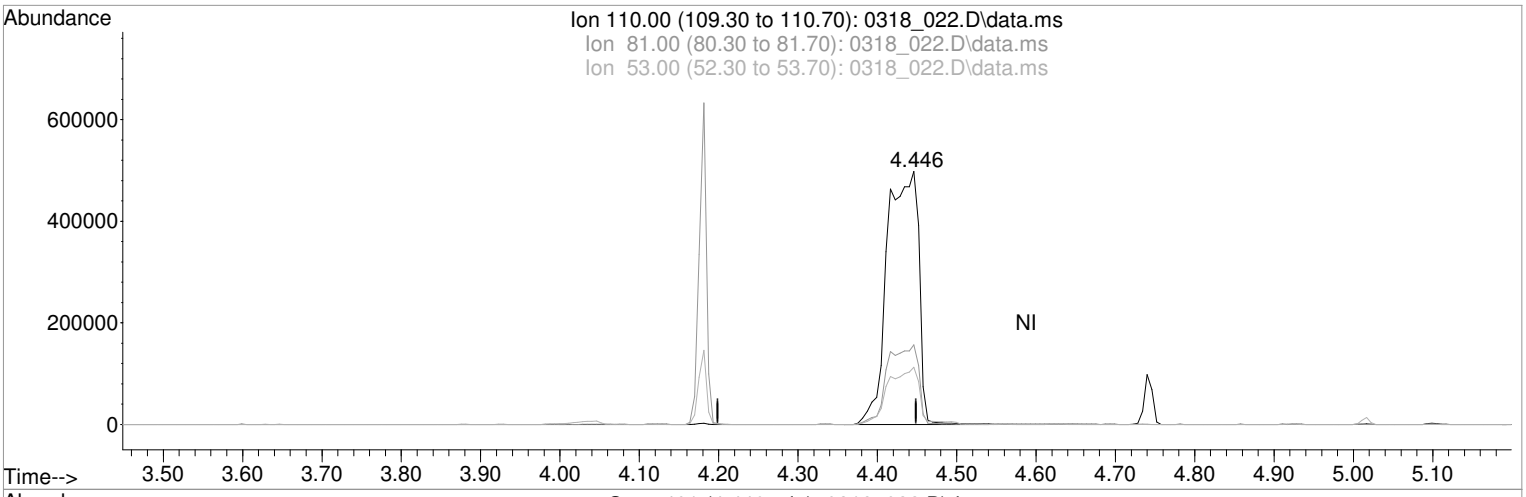
response 0

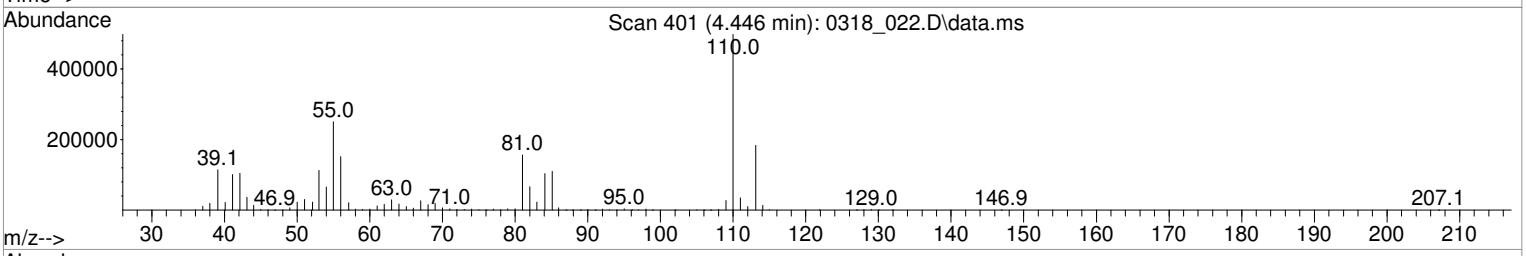
Ion	Exp%	Act%
110.00	100.00	0.00
81.00	30.30	0.00#
53.00	19.80	0.00
0.00	0.00	0.00

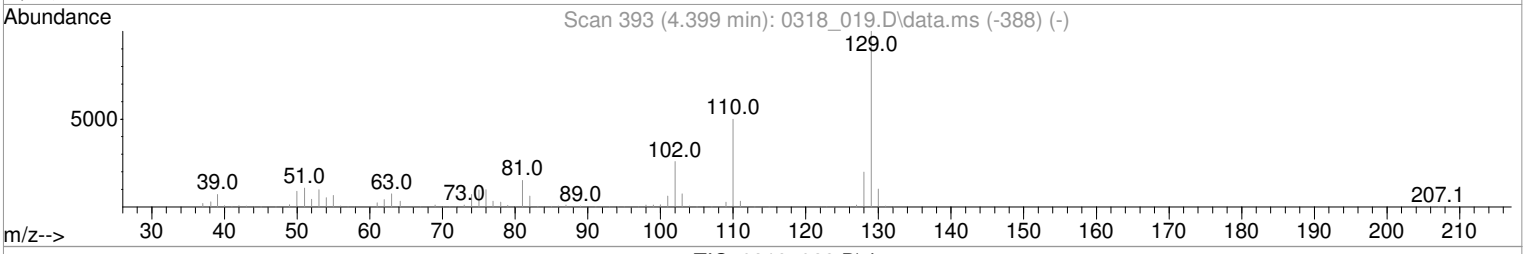
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_022.D
Acq On : 18 Mar 2022 10:26 pm
Operator : 917
Sample : STD TCL 40K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 23 09:08:20 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:08:17 2022
Response via : Initial Calibration







TIC: 0318_022.D\data.ms

(37) Hydroquinone

4.446min (+ 0.047) 29434.7293932 ppb m

response 1371387

Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	31.42
53.00	19.80	22.63
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_023.D
Acq On : 18 Mar 2022 10:47 pm
Operator : 917
Sample : STD TCL 50K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 20 Sample Multiplier: 1

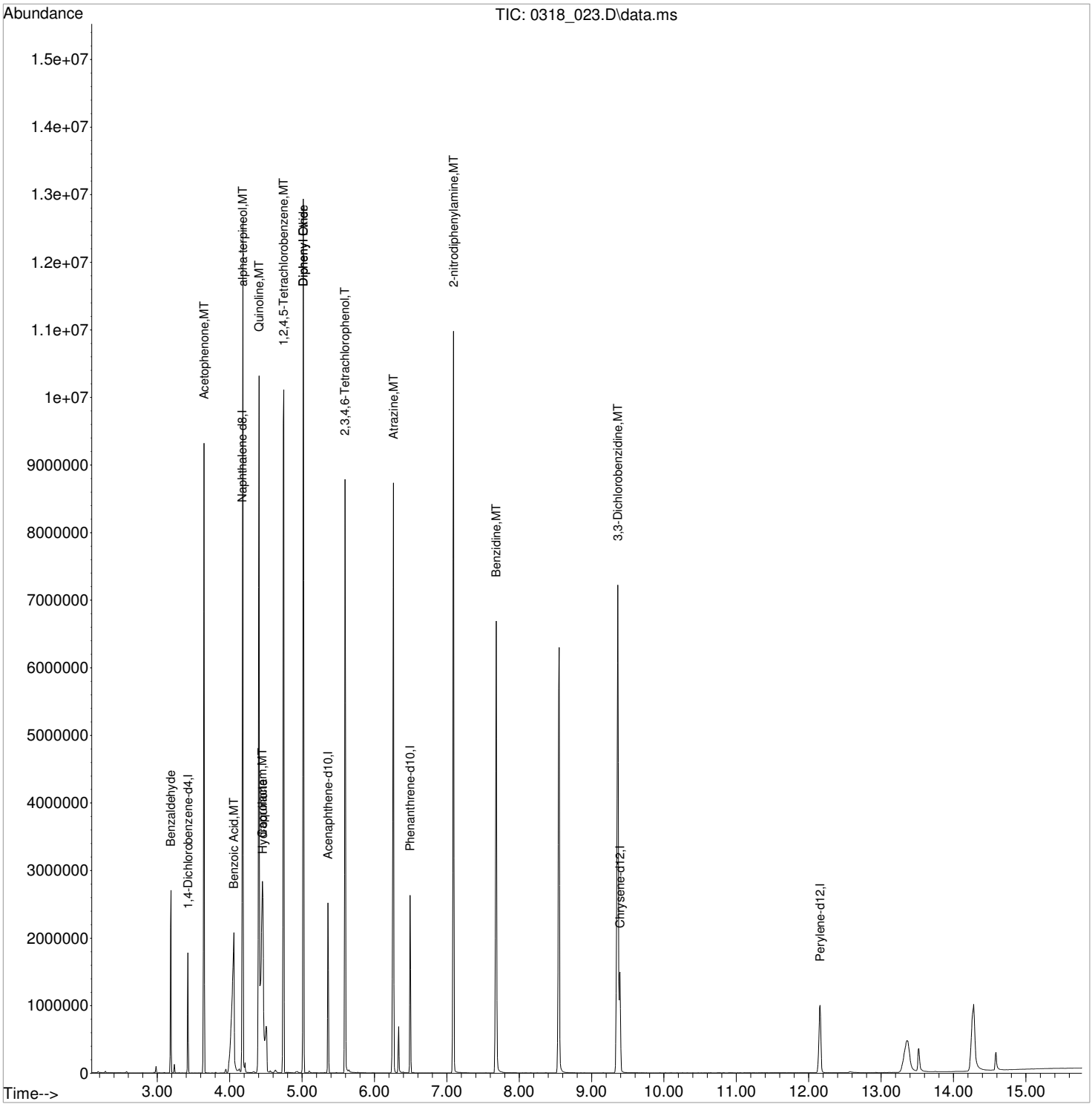
Quant Time: Mar 23 09:09:30 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:09:26 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.422	152	187801	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.175	136	1353054	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.358	164	414184	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.493	188	770556	8000.0000000	ppb		0.00
84) Chrysene-d12	9.393	240	703020	8000.0000000	ppb		0.00
94) Perylene-d12	12.157	264	657032	8000.0000000	ppb		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.187	105	413571	54280.5071560	ppb		99
22) Acetophenone	3.646	105	2175775	52836.1905486	ppb		98
31) Benzoic Acid	4.058	105	1110756	42523.1759676	ppb		89
33) alpha-terpineol	4.181	59	1073381	33859.7897760	ppb		91
37) Hydroquinone	4.458	110	1717175m	34397.1702085	ppb		
38) Quinoline	4.405	129	3092072	33220.0608564	ppb		97
39) Caprolactam	4.452	113	544842	34765.7085152	ppb	#	80
43) 1,2,4,5-Tetrachloroben...	4.746	216	1574128	34780.3860130	ppb		98
44) Diphenyl Ether	5.016	170	2181939	34606.7586266	ug/ml		97
45) Diphenyl Oxide	5.016	170	2181939	34606.7586266	ug/ml		97
62) 2,3,4,6-Tetrachlorophenol	5.593	232	875637	59415.4096117	ppb		83
69) Atrazine	6.263	200	1099709	54203.2620382	ppb	#	100
82) 2-nitrodiphenylamine	7.093	167	1402066	64732.4532663	ppb		98
85) Benzidine	7.681	184	2903661	63800.9117577	ppb	#	100
89) 3,3-Dichlorobenzidine	9.363	252	2193221	56316.7510441	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_023.D
Acq On : 18 Mar 2022 10:47 pm
Operator : 917
Sample : STD TCL 50K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 20 Sample Multiplier: 1

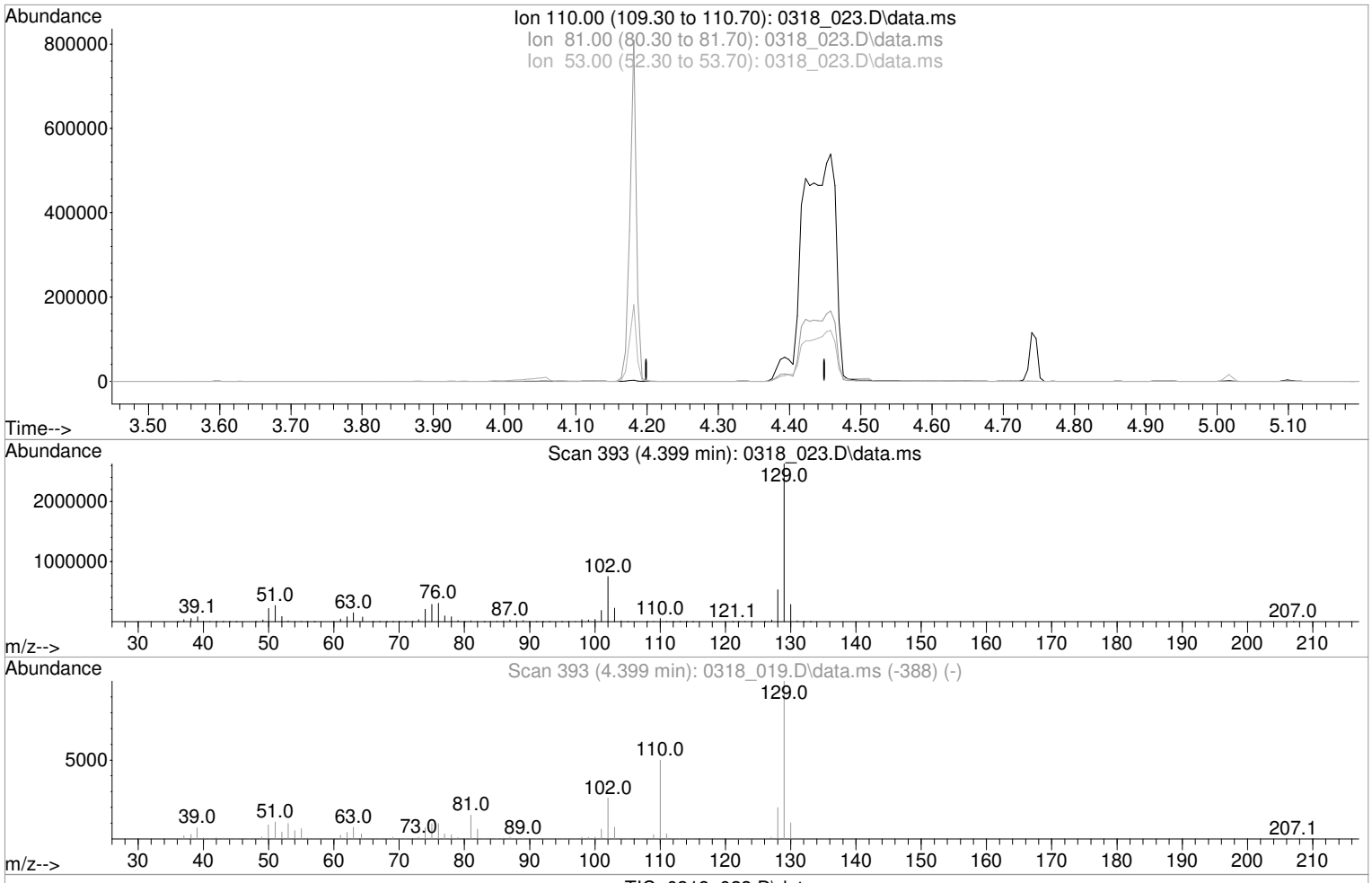
Quant Time: Mar 23 09:09:30 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:09:26 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_023.D
Acq On : 18 Mar 2022 10:47 pm
Operator : 917
Sample : STD TCL 50K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 23 09:09:30 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:09:26 2022
Response via : Initial Calibration



TIC: 0318_023.D\data.ms

(37) Hydroquinone

4.399min (-4.399) 0.0000000 ppb

Qvalue = 0

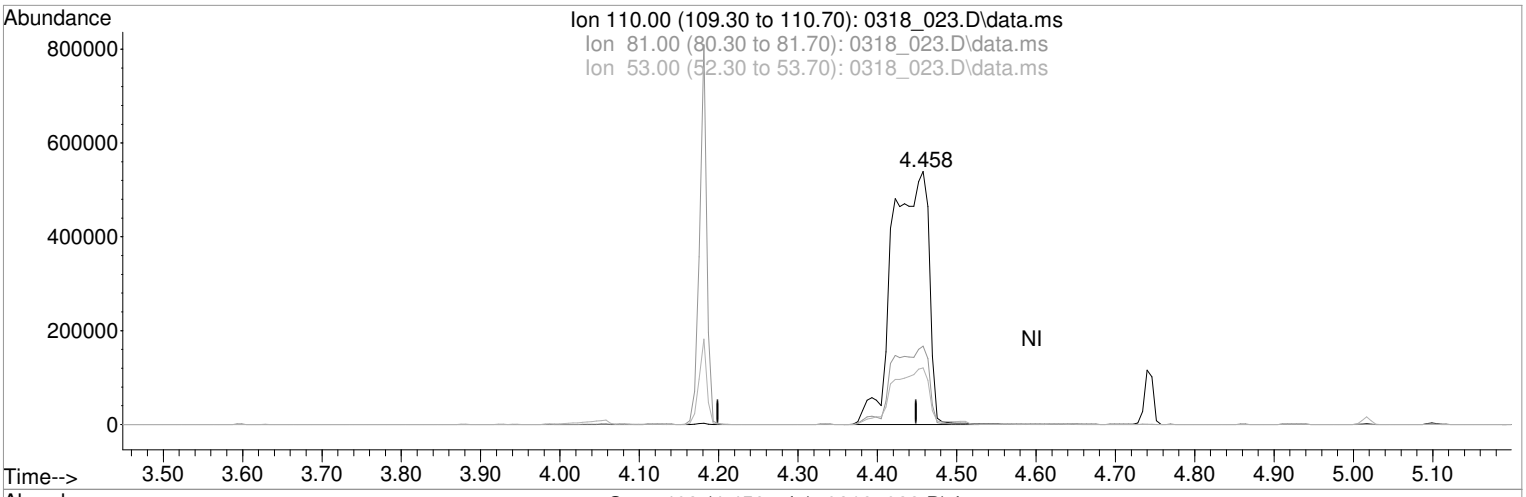
response 0

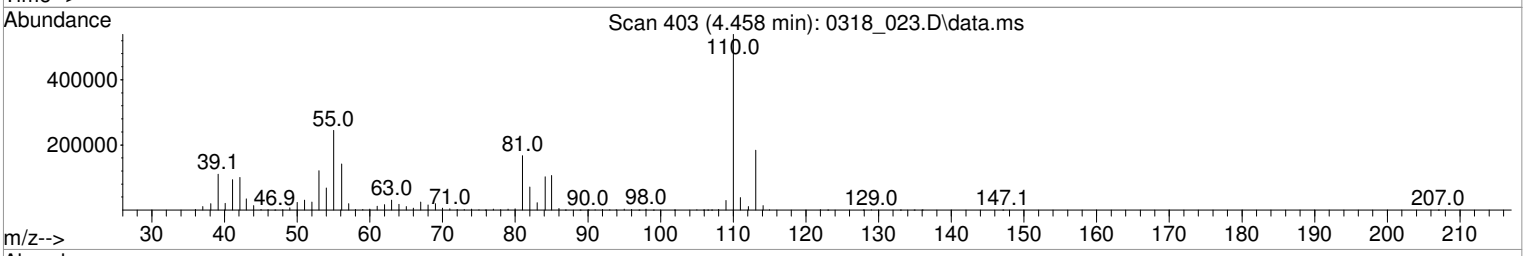
Ion	Exp%	Act%
110.00	100.00	0.00
81.00	30.30	0.00#
53.00	19.80	0.00
0.00	0.00	0.00

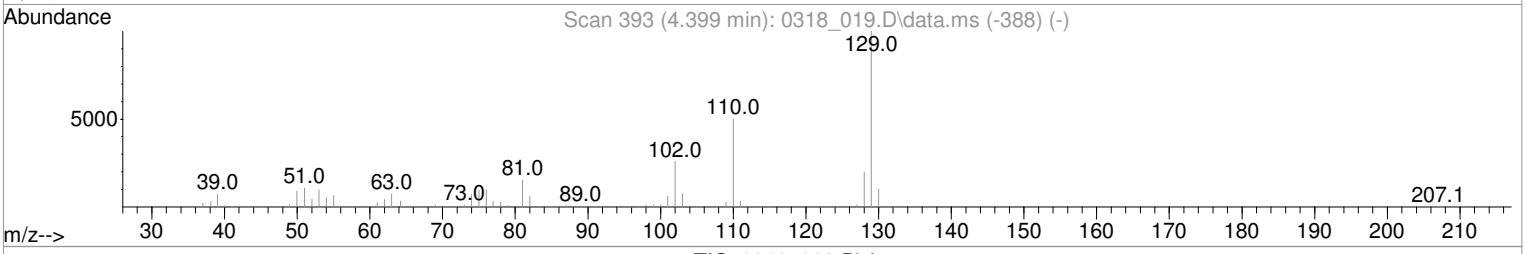
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_023.D
Acq On : 18 Mar 2022 10:47 pm
Operator : 917
Sample : STD TCL 50K1 ppb 22C18418 exp 09/09/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 23 09:09:30 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:09:26 2022
Response via : Initial Calibration







TIC: 0318_023.D\data.ms

(37) Hydroquinone

4.458min (+ 0.059) 34397.1702085 ppb m

response 1717175

Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	30.94
53.00	19.80	22.35
0.00	0.00	0.00

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488631	**Calibration (begin) date/time:**	02/11/22 11:40
Instrument ID:	BNAMS20	**Calibration (end) date/time:**	02/11/22 17:52
Lab File ID:	0211_25-1	**Analysis date/time:**	02/11/22 18:14
Analytical Method:	8270E	**Sample ID:**	SSCV

Analyte	Avg. RRF	RRF	Min. RRF	Diff. %	Max Diff. %	True Value mg/l	Result mg/l	Result % Rec.	Limits %
1-METHYLNAPHTHALENE	0.578152	0.60798130		5.16		10	10.52	105	50 - 150
2-METHYLNAPHTHALENE	0.605229	0.61920310		2.31		10	10.23	102	50 - 150
3&4-METHYL PHENOL	1.308048	1.333818		1.97		10	10.20	102	50 - 150
ACENAPHTHENE	1.100041	1.122454		2.04		10	10.20	102	80 - 120
ACENAPHTHYLENE	1.575947	1.738816		10.30		10	11.03	110	50 - 150
ANTHRACENE	0.996099	1.038414		4.25		10	10.42	104	50 - 150
BENZO(A)ANTHRACENE	1.191209	1.129727		5.16		10	10.11	101	50 - 150
BENZO(A)PYRENE	0.903627	1.035850		14.60		10	11.46	115	80 - 120
BENZO(B)FLUORANTHENE	1.093318	1.117416		2.20		10	10.22	102	50 - 150
BENZO(G,H,I)PERYLENE	0.987230	0.980636		0.6680		10	9.933	99.30	50 - 150
BENZO(K)FLUORANTHENE	1.083418	1.132916		4.57		10	10.46	105	50 - 150
BIS(2-ETHYLHEXYL)PHTHALATE	0.803811	0.89936590		11.90		10	11.19	112	50 - 150
CARBAZOLE	0.954893	1.032307		8.11		10	10.81	108	50 - 150
CHRYSENE	1.167295	1.149122		1.56		10	9.844	98.40	50 - 150
DI-N-BUTYL PHTHALATE	1.100979	1.282562		16.50		10	11.65	117	50 - 150
DI-N-OCTYL PHTHALATE	1.233909	1.386450		12.40		10	9.929	99.30	80 - 120
DIBENZ(A,H)ANTHRACENE	1.093444	0.99789730		8.74		10	9.778	97.80	50 - 150
DIBENZOFURAN	1.463982	1.507524		2.97		10	10.30	103	50 - 150
FLUORANTHENE	0.999513	1.029437		2.99		10	10.30	103	80 - 120
FLUORENE	1.246631	1.317447		5.68		10	10.57	106	50 - 150
INDENO(1,2,3-CD)PYRENE	0.919587	0.92183740		0.2450		10	10.02	100	50 - 150
NAPHTHALENE	0.924899	0.96267570		4.08		10	10.41	104	50 - 150
PENTACHLOROPHENOL	0.099138	0.13648140		37.70		10	11.05	111	80 - 120
PHENANTHRENE	1.026137	1.046407		1.98		10	10.20	102	50 - 150
PHENOL	1.517993	1.567109		3.24		10	10.32	103	80 - 120
PYRENE	1.235972	1.287776		4.19		10	10.42	104	50 - 150
2,4,6-TRIBROMOPHENOL	0.081668	0.08192619		0.3160		10	10.03	100	50 - 150
2-FLUOROBIPHENYL	1.167452	1.173852		0.5480		10	10.05	101	50 - 150
2-FLUOROPHENOL	1.140240	1.132360		0.6910		10	9.931	99.30	50 - 150
NITROBENZENE-D5	0.338405	0.36157070		6.85		10	10.68	107	50 - 150
P-TERPHENYL-D14	0.944949	0.92099860		2.53		10	9.747	97.50	50 - 150
PHENOL-D5	1.452305	1.455333		0.2080		10	10.02	100	50 - 150

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 25.D
Acq On : 11 Feb 2022 6:14 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 2B08399 exp 06/30/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 21 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 18 12:09:28 2022
Quant Method : C:\msdchem\1\methods\S820B11AV.M
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.451	152	346887	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.198	136	1414825	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.375	164	779779	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.498	188	1358784	8000.0000000 ppb	0.00
84) Chrysene-d12	9.363	240	1132211	8000.0000000 ppb	0.00
94) Perylene-d12	12.092	264	1054244	8000.0000000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.757	112	491001	9930.8881747 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 248.27%#		
7) Phenol-d5	3.210	99	631045	10020.8502036 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 250.52%#		
24) Nitrobenzene-d5	3.757	82	639449	10684.5456067 ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 534.23%#		
50) 2-Fluorobiphenyl	4.887	172	1144181	10054.8123708 ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 502.74%#		
73) 2,4,6-Tribromophenol	5.957	330	139150	10031.5695950 ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 250.79%#		
87) p-Terphenyl-d14	7.928	244	1303456	9746.5483622 ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 487.33%#		
Target Compounds					Qvalue
2) Pyridine	2.199	79	573878	10566.0284136 ppb	97
3) N-Nitrosodimethylamine	2.163	42	299171	9702.2149593 ppb	98
5) Aniline	3.263	66	304714	10024.5598864 ppb	97
6) bis(2-Chloroethyl)ether	3.287	93	522236	10393.2485743 ppb	99
8) Phenol	3.222	94	679512	10323.5573841 ppb	100
10) 2-Chlorophenol	3.334	128	595113	10620.3786966 ppb	98
11) n-Decane	3.340	41	348475	10125.3384354 ppb	99
12) 1,3-Dichlorobenzene	3.422	146	625426	10366.8605394 ppb	99
13) 1,4-Dichlorobenzene	3.457	146	631396	10210.4549360 ppb	94
14) Benzyl Alcohol	3.510	79	457887	10447.5148778 ppb	98
15) 1,2-Dichlorobenzene	3.545	146	607209	10406.6952581 ppb	99
16) bis(2-Chloroisopropyl)...	3.587	121	206200	10477.2737393 ppb	96
17) 2,2-oxybis(1-chloropro...	3.587	121	206200	10477.2737393 ppb	96
18) 2-Methylphenol	3.557	108	516943	10439.0636619 ppb	99
19) Hexachloroethane	3.745	117	250698	10234.2559080 ppb	98
20) N-Nitrosodi-n-propylamine	3.657	70	410086	10554.9676048 ppb	98
21) 3&4-Methyl phenol	3.645	107	578355	10197.0095460 ppb	99
25) Nitrobenzene	3.769	77	590115	10557.4448968 ppb	99
26) Isophorone	3.904	82	1075222	10424.4531427 ppb	91
27) 2-Nitrophenol	3.957	139	303838	10880.0464990 ppb	99
28) 2,4-Dimethylphenol	3.963	107	566245	10278.3748675 ppb	99
29) bis(2-Chlorethoxy)methane	4.022	93	677484	10640.7243766 ppb	99
30) 2,4-Dichlorophenol	4.098	162	455184	10366.6829553 ppb	96
32) 1,2,4-Trichlorobenzene	4.157	180	485955	10278.1805344 ppb	99
34) Naphthalene	4.216	128	1702522m	10408.4399109 ppb	
35) 4-Chloroaniline	4.228	65	211424	10229.9604413 ppb	96
36) Hexachloro-1,3-butadiene	4.281	225	278447	11132.3587672 ppb	95
40) 4-Chloro-3-methylphenol	4.516	107	482342	10281.0356635 ppb	92
41) 2-Methylnaphthalene	4.651	142	1095080	10230.8933674 ppb	99
42) 1-Methylnaphthalene	4.716	142	1075234	10515.9490395 ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 25.D
Acq On : 11 Feb 2022 6:14 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 2B08399 exp 06/30/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 21 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 18 12:09:28 2022
Quant Method : C:\msdchem\1\methods\S820B11AV.M
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

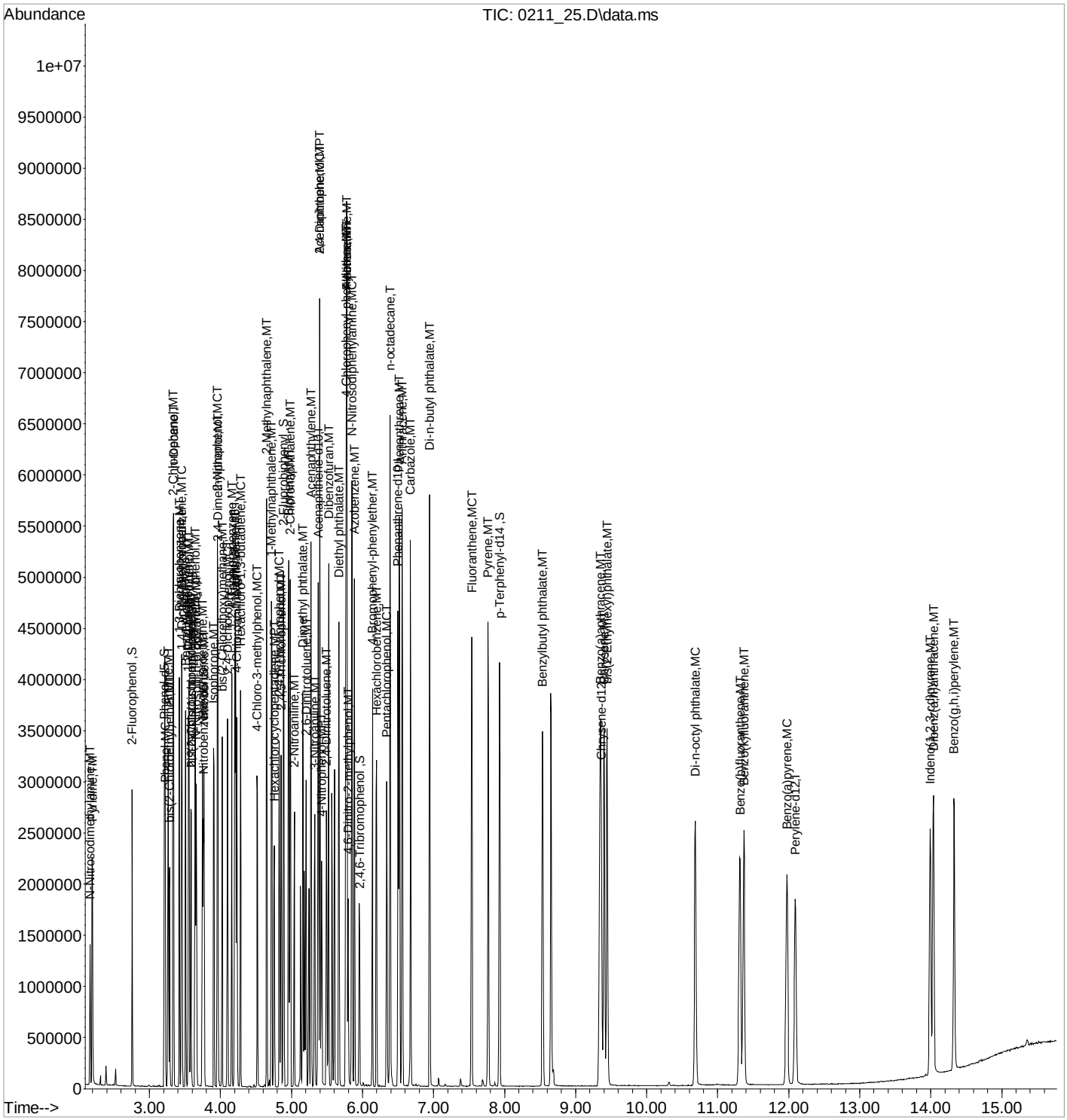
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47) Hexachlorocyclopentadiene	4.757	237	256455	8034.6176092 ppb		99
48) 2,4,6-Trichlorophenol	4.828	196	315302	10419.4779887 ppb		96
49) 2,4,5-Trichlorophenol	4.851	196	334436	10143.2426970 ppb		97
51) Biphenyl	4.963	154	1339523	10193.2643102 ppb		100
52) 2-Chloronaphthalene	4.981	162	1064864	10395.0489108 ppb		96
53) 2-Nitroaniline	5.040	138	376615	10717.0535965 ppb		99
54) Acenaphthylene	5.275	152	1694865	11033.4673580 ppb		100
55) Dimethyl phthalate	5.157	163	1197504	10290.5328018 ppb		94
56) 2,6-Dinitrotoluene	5.204	165	285344	10677.0520844 ppb		96
57) 3-Nitroaniline	5.328	138	331056	10753.3893398 ppb		96
58) Acenaphthene	5.398	153	1094083	10203.7484350 ppb		99
59) 2,4-Dinitrophenol	5.398	184	142292	9449.6804546 ppb	#	58
60) Dibenzofuran	5.522	168	1469419	10297.4197357 ppb		100
61) 2,4-Dinitrotoluene	5.492	165	371759	10936.8560566 ppb		84
63) 4-Nitrophenol	5.422	139	270008m	10866.7160806 ppb		
64) Fluorene	5.775	166	1284147	10568.0605569 ppb		99
65) 4-Chlorophenyl-phenyle...	5.769	204	547629	10049.7703680 ppb		95
66) Diethyl phthalate	5.669	149	1241075	10387.5557361 ppb		99
67) 4-Nitroaniline	5.775	138	366398	10763.3452331 ppb		99
68) Azobenzene	5.887	77	1313488	10703.1869726 ppb		99
71) 4,6-Dinitro-2-methylph...	5.798	198	179269	9450.2277780 ppb	#	82
72) N-Nitrosodiphenylamine	5.851	169	1064490	10332.5511392 ppb		100
74) 4-Bromophenyl-phenylether	6.139	248	297298	10161.0120500 ppb		91
75) Hexachlorobenzene	6.198	284	331642	9987.2871823 ppb		99
76) n-octadecane	6.386	55	205883	9829.7157101 ppb		99
77) Pentachlorophenol	6.339	266	231811	11050.9837052 ppb		95
78) Phenanthrene	6.516	178	1777301	10197.5396946 ppb		99
79) Anthracene	6.557	178	1763725	10424.8066361 ppb		99
80) Carbazole	6.675	167	1753352	10810.7093591 ppb		99
81) Di-n-butyl phthalate	6.945	149	2178406	11649.2918895 ppb		99
83) Fluoranthene	7.539	202	1748478	10299.3828516 ppb		99
86) Pyrene	7.769	202	1822543	10419.1401702 ppb		100
88) Benzylbutyl phthalate	8.533	149	890396	11024.9483680 ppb		100
90) Benzo(a)anthracene	9.345	228	1598862	10114.7614323 ppb		99
91) Chrysene	9.404	228	1626310	9844.3080758 ppb		99
92) bis(2-Ethylhexyl)phtha...	9.445	149	1272840	11188.7777745 ppb		99
93) Di-n-octyl phthalate	10.686	149	1962192	9928.6111203 ppb		100
95) Benzo(b)fluoranthene	11.316	252	1472536	10220.4077109 ppb		100
96) Benzo(k)fluoranthene	11.369	252	1492963	10456.8707777 ppb		99
97) Benzo(a)pyrene	11.974	252	1365048	11463.2475215 ppb		99
98) Indeno(1,2,3-cd)pyrene	13.992	276	1214802m	10024.4675923 ppb		
99) Dibenz(a,h)anthracene	14.039	278	1315034	9777.7859871 ppb		99
100) Benzo(g,h,i)perylene	14.327	276	1292287	9933.2019586 ppb		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

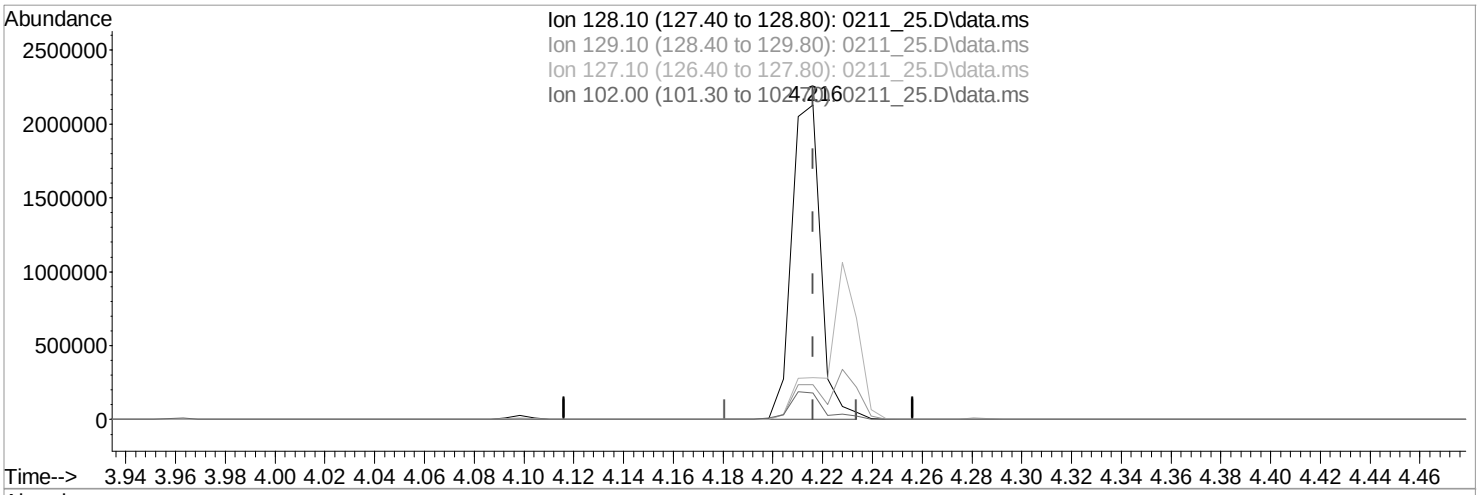
Data Path : C:\msdchem\1\data\021122\
Data File : 0211 25.D
Acq On : 11 Feb 2022 6:14 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 2B08399 exp 06/30/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 21 Sample Multiplier: 1
InstName : BNAMS20

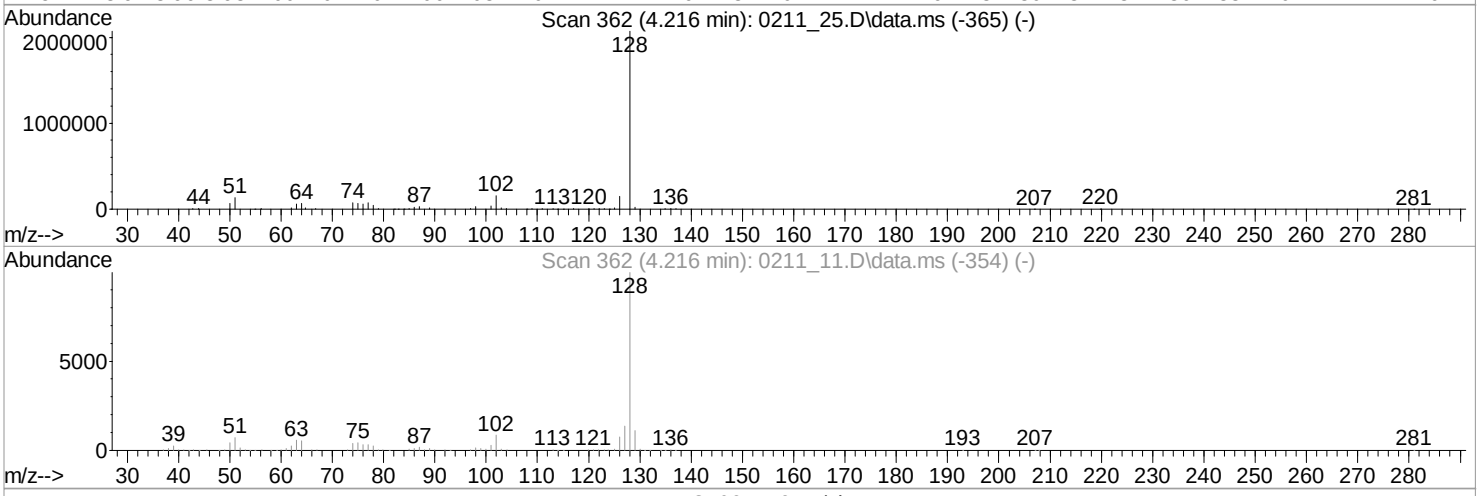
Quant Time: Feb 18 12:09:28 2022
Quant Method : C:\msdchem\1\methods\S820B11AV.M
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Data Path : C:\msdchem\1\data\021122\
Data File : 0211 25.D
Acq On : 11 Feb 2022 6:14 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 2B08399 exp 06/30/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 21 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 18 12:03:26 2022
Quant Method : C:\msdchem\1\methods\S820B11AV.M
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_25.D\data.ms

(34) Naphthalene (MT)

4.216min (-0.000) 10519.9509186 ppb

Qvalue = 100

response 1720762

Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.16
127.10	13.40	13.43
102.00	8.60	8.38

Data Path : C:\msdchem\1\data\021122\
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Acq On : 11 Feb 2022 6:14 pm
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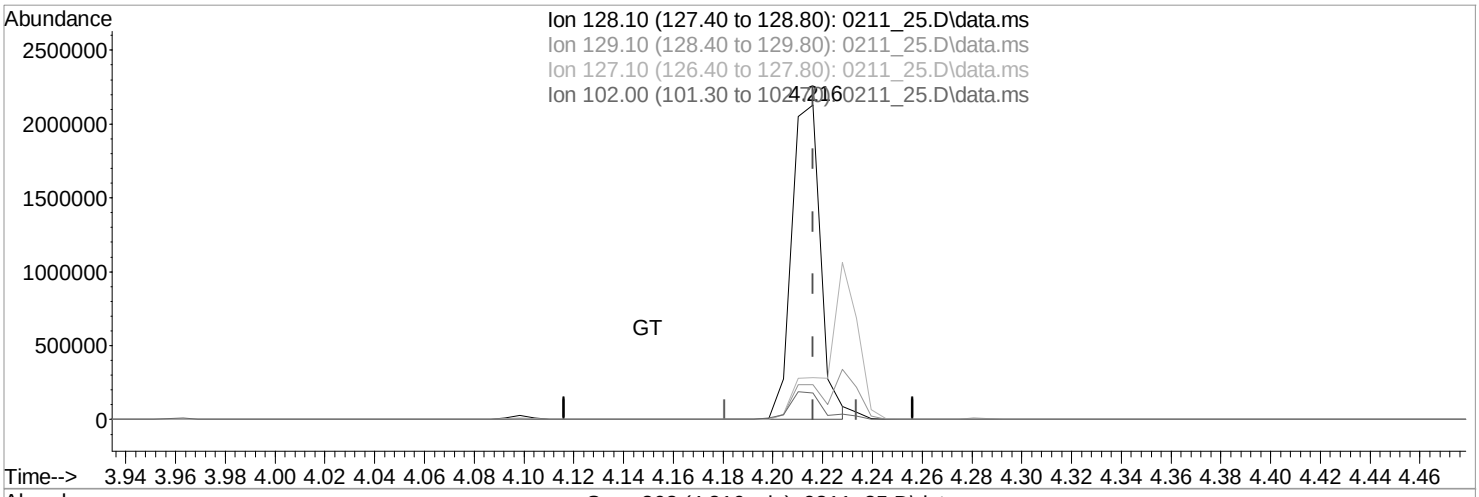
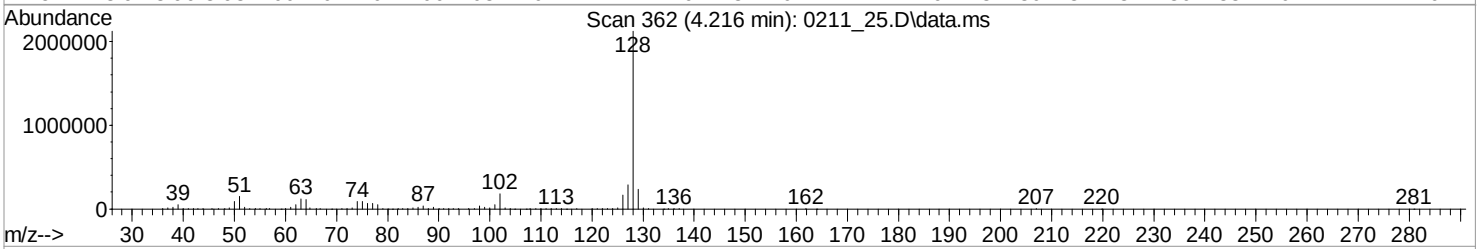
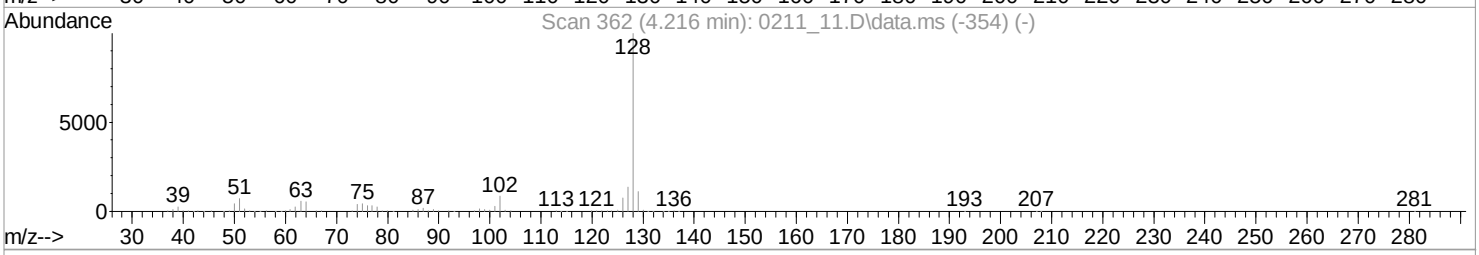
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_25.D\data.ms

(34) Naphthalene (MT)

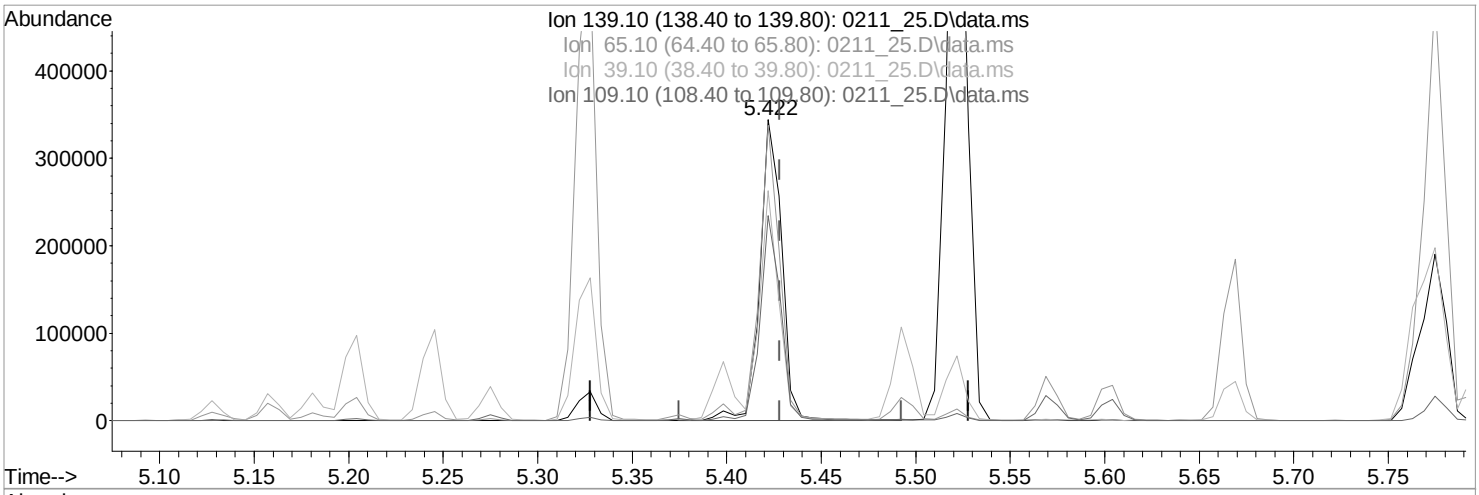
4.216min (-0.000) 10408.4399109 ppb m

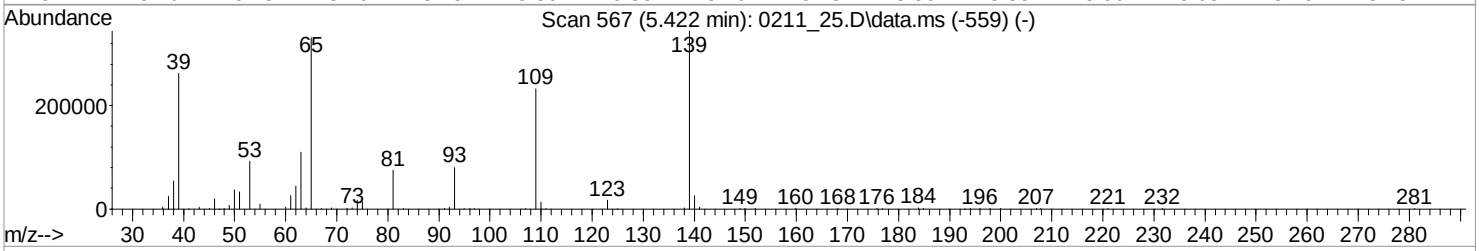
response 1702522

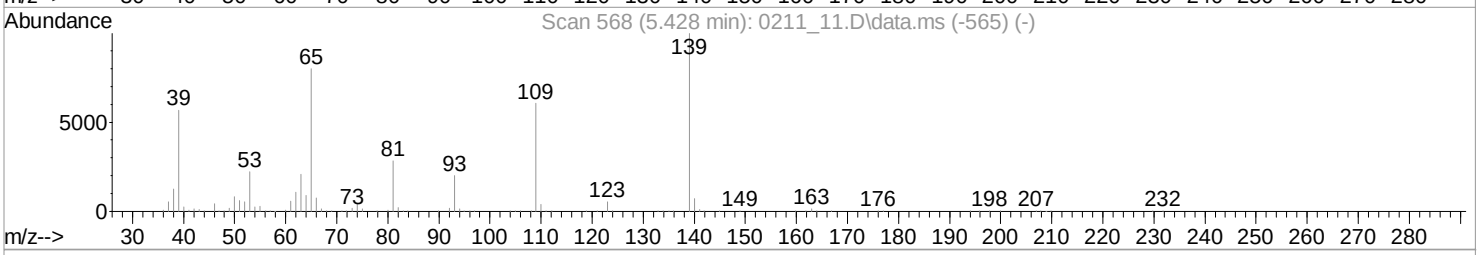
Ion	Exp%	Act%
128.10	100	100
129.10	11.10	11.16
127.10	13.40	13.43
102.00	8.60	8.38

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 25.D
Acq On : 11 Feb 2022 6:14 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 2B08399 exp 06/30/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 21 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 18 12:03:26 2022
Quant Method : C:\msdchem\1\methods\S820B11AV.M
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_25.D\data.ms

(63) 4-Nitrophenol (MPT)

5.422min (-0.006) 11270.3422531 ppb

Qvalue = 84

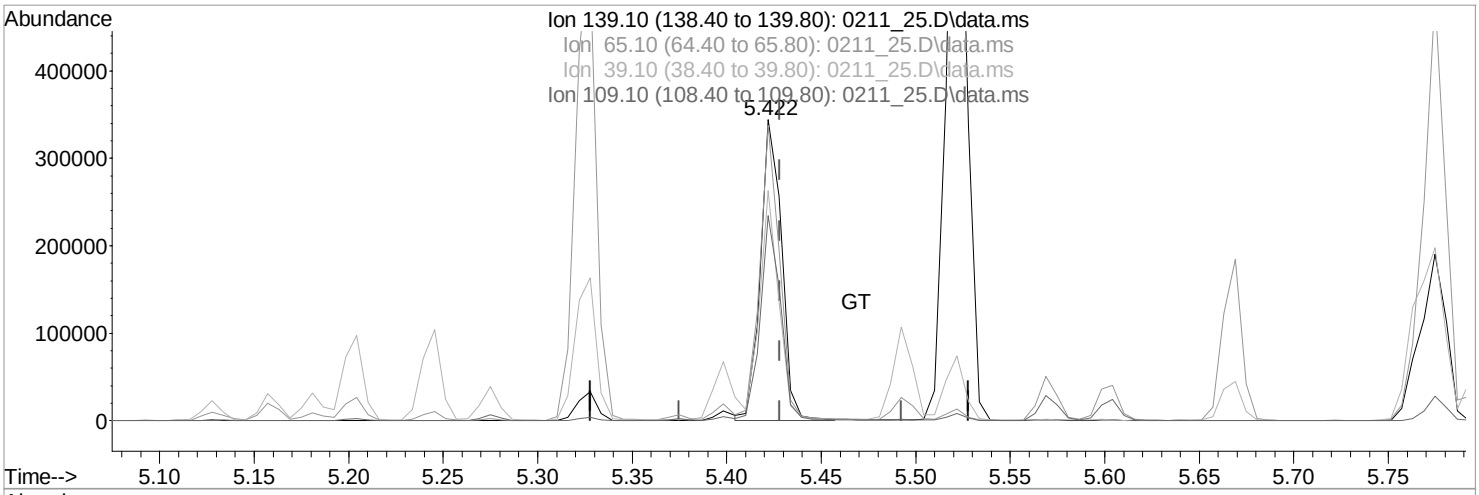
response 280037

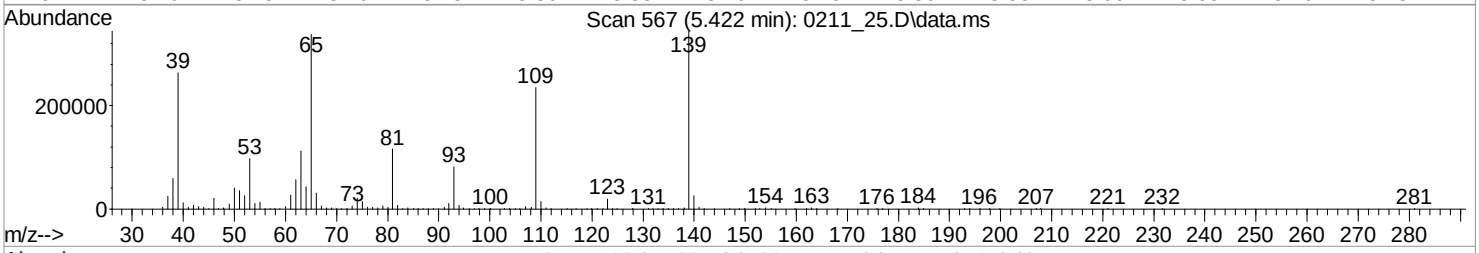
Ion	Exp%	Act%
139.10	100	100
65.10	81.20	96.09
39.10	58.80	75.96
109.10	61.10	67.45

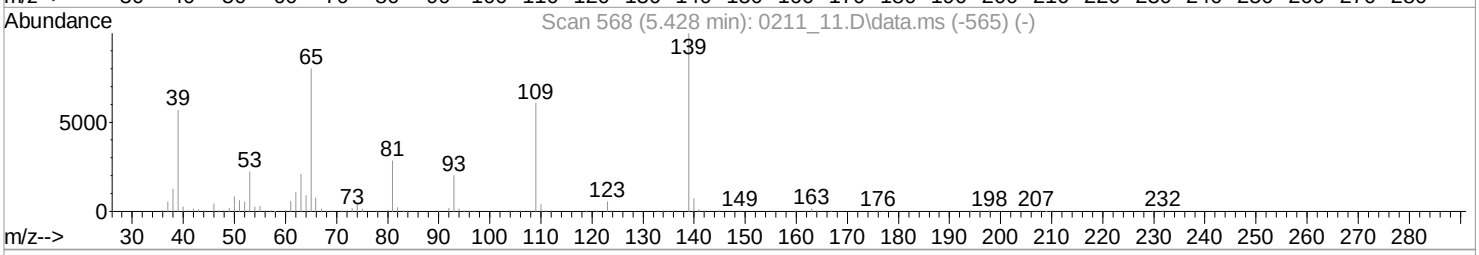
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 25.D
Acq On : 11 Feb 2022 6:14 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 2B08399 exp 06/30/22
Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 21 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 18 12:03:26 2022
Quant Method : C:\msdchem\1\methods\S820B11AV.M
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_25.D\data.ms

(63) 4-Nitrophenol (MPT)

5.422min (-0.006) 10866.7160806 ppb m

response 270008

Ion	Exp%	Act%
139.10	100	100
65.10	81.20	98.12
39.10	58.80	76.38
109.10	61.10	68.02

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 25.D
Acq On : 11 Feb 2022 6:14 pm
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Misc : SVMS CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 21 Sample Multiplier: 1
InstName : BNAMS20

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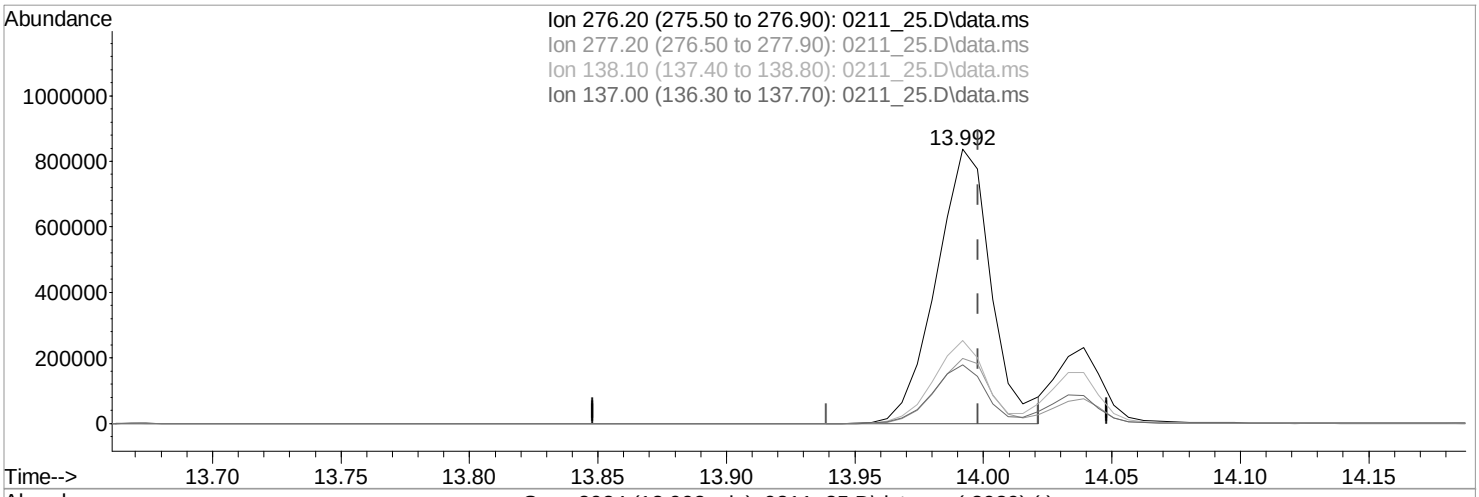
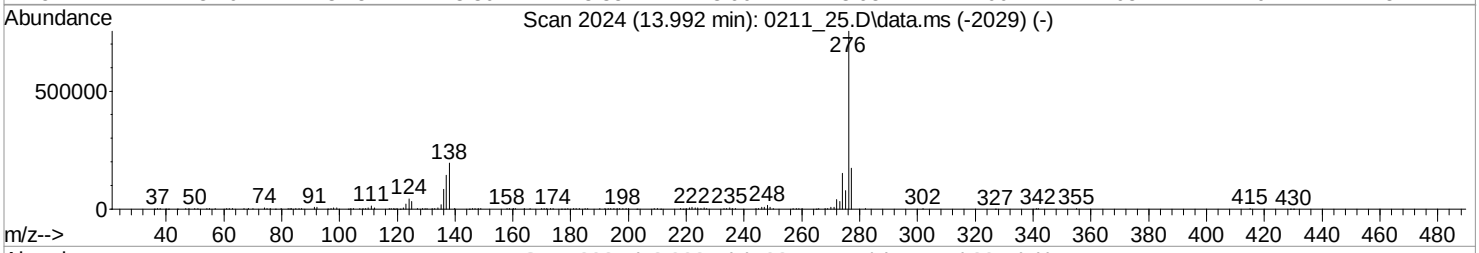
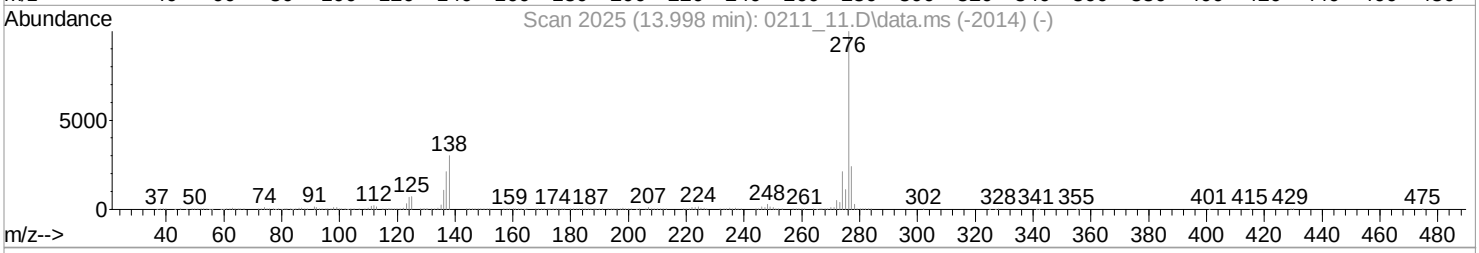
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_25.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

13.992min (-0.006) 10263.1135632 ppb

Qvalue = 99

response 1243722

Ion	Exp%	Act%
276.20	100	100
277.20	24.10	23.77
138.10	30.00	30.33
137.00	21.20	21.45

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 25.D
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Operator : 917
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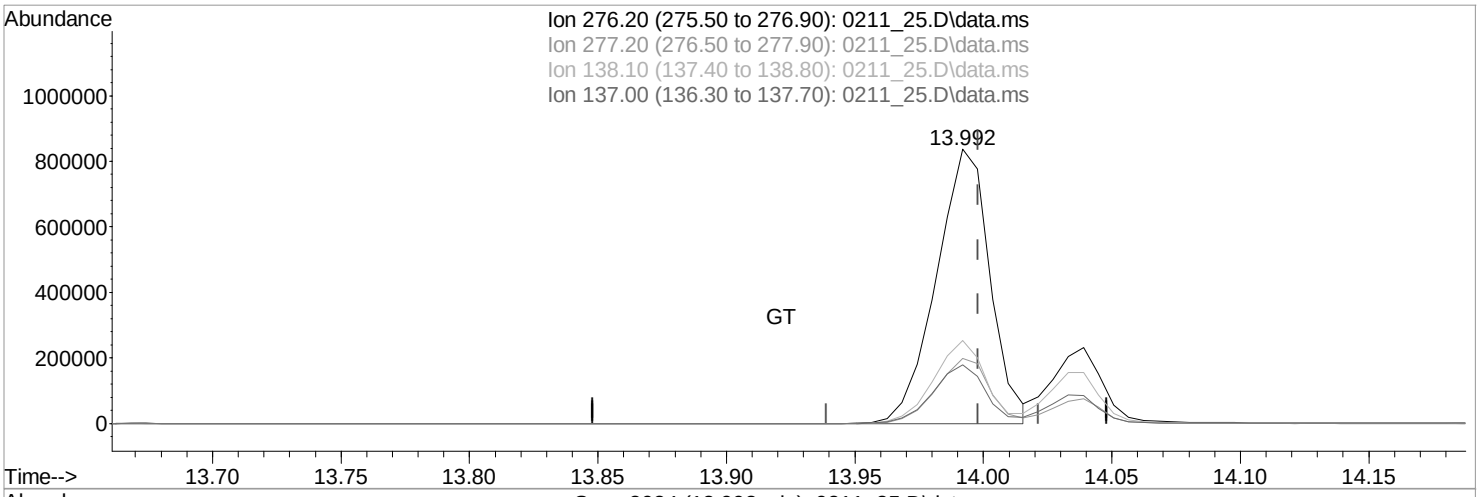

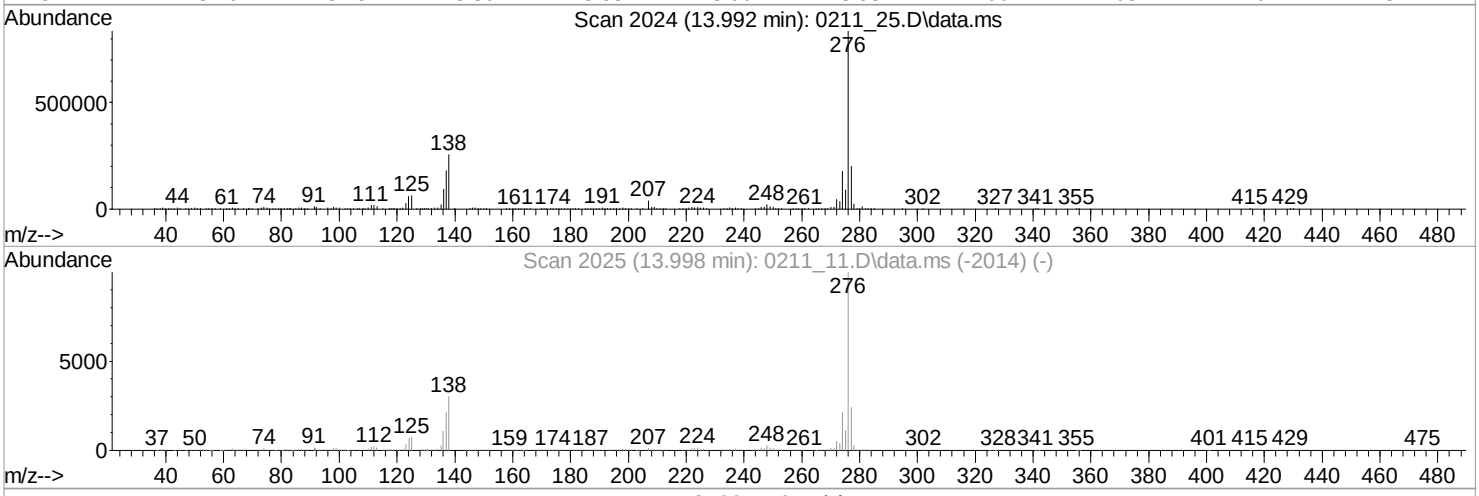

TIC: 0211_25.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

13.992min (-0.006) 10024.4675923 ppb m

response 1214802

Ion	Exp%	Act%
276.20	100	100
277.20	24.10	23.77
138.10	30.00	30.33
137.00	21.20	21.48

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 25.D
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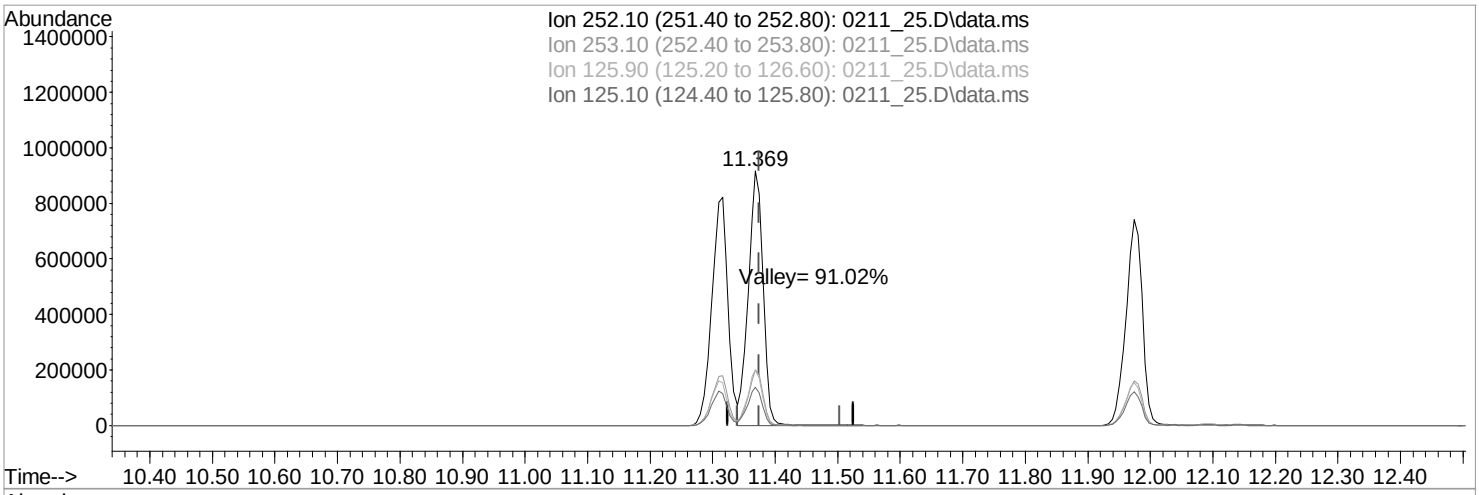
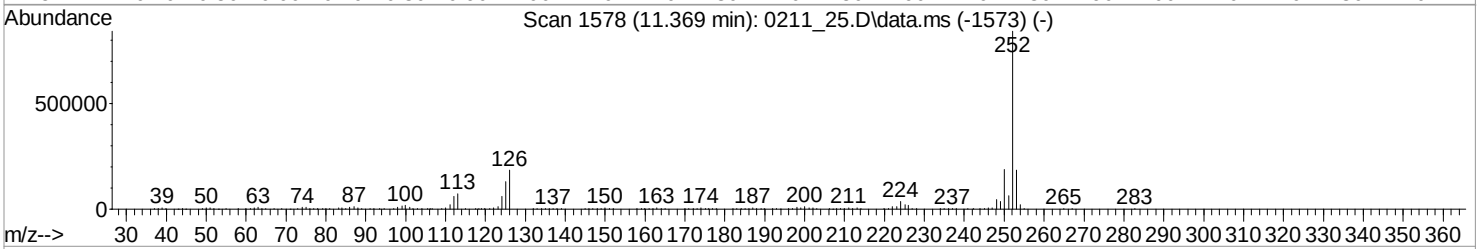
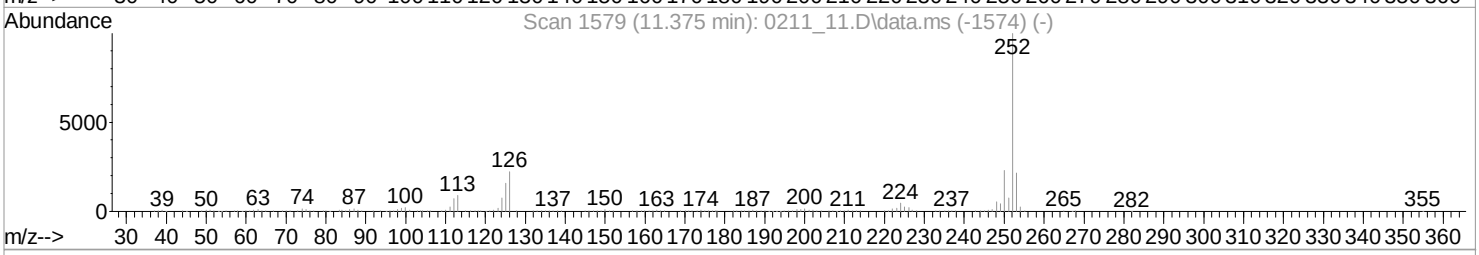
DataAcq Meth:BNA20SP.M







TIC: 0211_25.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.369min (-0.006) 10456.8707777 ppb

Qvalue = 99

response 1492963

Ion	Exp%	Act%
252.10	100	100
253.10	21.70	21.87
125.90	22.10	21.80
125.10	15.60	15.09

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488631	**Calibration (begin) date/time:**	02/11/22 11:40
Instrument ID:	BNAMS20	**Calibration (end) date/time:**	02/11/22 17:52
Lab File ID:	0211_26-1	**Analysis date/time:**	02/11/22 18:36
Analytical Method:	8270E	**Sample ID:**	SSCV

Analyte	Avg. RRF	RRF	Min. RRF	Diff.	Max Diff.	True Value	Result	Result	Limits
				%	*%*	*mg/l*	*mg/l*	*% Rec.*	*%*
BENZOIC ACID	0.154570	0.16206840		4.85		10	10.49	105	50 - 150

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 26.D
Acq On : 11 Feb 2022 6:36 pm
Operator : 917
Sample : SSCV TCL 10K1 ppb 2B08400 exp 05/01/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 22 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 18 12:06:41 2022
Quant Method : C:\msdchem\1\methods\S820B11AV.M
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

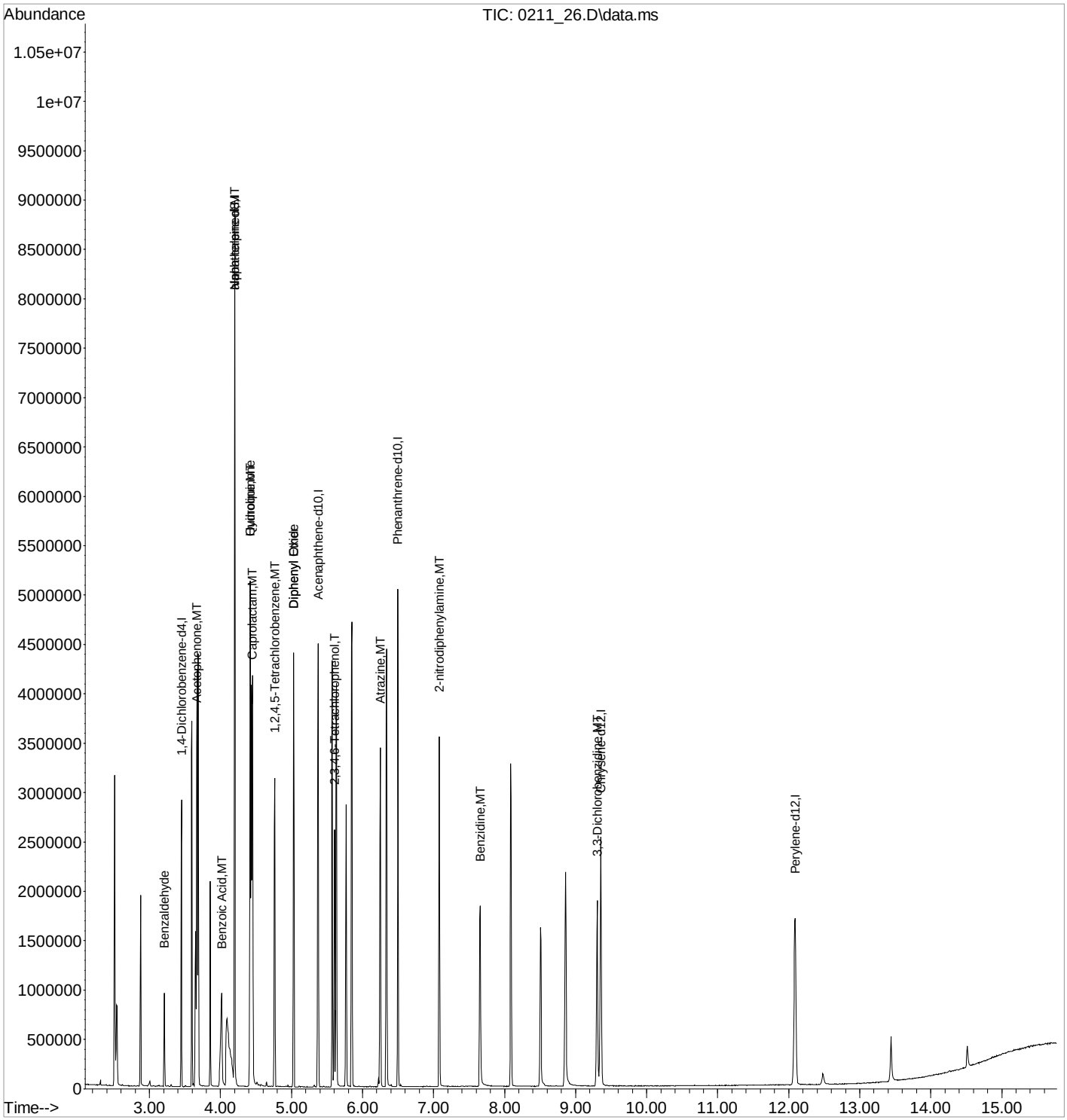
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.451	152	339040	8000.0000000	ppb	0.00
23) Naphthalene-d8	4.198	136	1610441	8000.0000000	ppb	0.00
46) Acenaphthene-d10	5.375	164	761018	8000.0000000	ppb	0.00
70) Phenanthrene-d10	6.498	188	1344161	8000.0000000	ppb	0.00
84) Chrysene-d12	9.357	240	1121003	8000.0000000	ppb	0.00
94) Perylene-d12	12.092	264	1030959	8000.0000000	ppb	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb	
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#		
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb	
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#		
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb	
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
9) Benzaldehyde	3.210	105	111842	7508.8354314	ppb	98
22) Acetophenone	3.663	105	688340	9934.4847407	ppb #	83
31) Benzoic Acid	4.016	105	326252	10485.1134450	ppb #	58
33) alpha-terpineol	4.198	59	454566	10621.0655045	ppb	98
37) Hydroquinone	4.416	110	268997m	5117.1683838	ppb	
38) Quinoline	4.416	129	1114418	10153.8619501	ppb	98
39) Caprolactam	4.446	113	188168	11293.2227635	ppb #	48
43) 1,2,4,5-Tetrachloroben...	4.763	216	414213	9753.3534387	ppb	99
44) Diphenyl Ether	5.028	170	647250	9588.6674008	ppb	100
45) Diphenyl Oxide	5.028	170	647250	9588.6674008	ppb	100
62) 2,3,4,6-Tetrachlorophenol	5.604	232	222135	9955.5879696	ppb	98
69) Atrazine	6.251	200	290314	9823.8435029	ppb #	80
82) 2-nitrodiphenylamine	7.081	167	363254	9000.9492309	ppb	98
85) Benzidine	7.657	184	747814	8935.1379508	ppb #	100
89) 3,3-Dichlorobenzidine	9.304	252	495203	9351.9568893	ppb	99

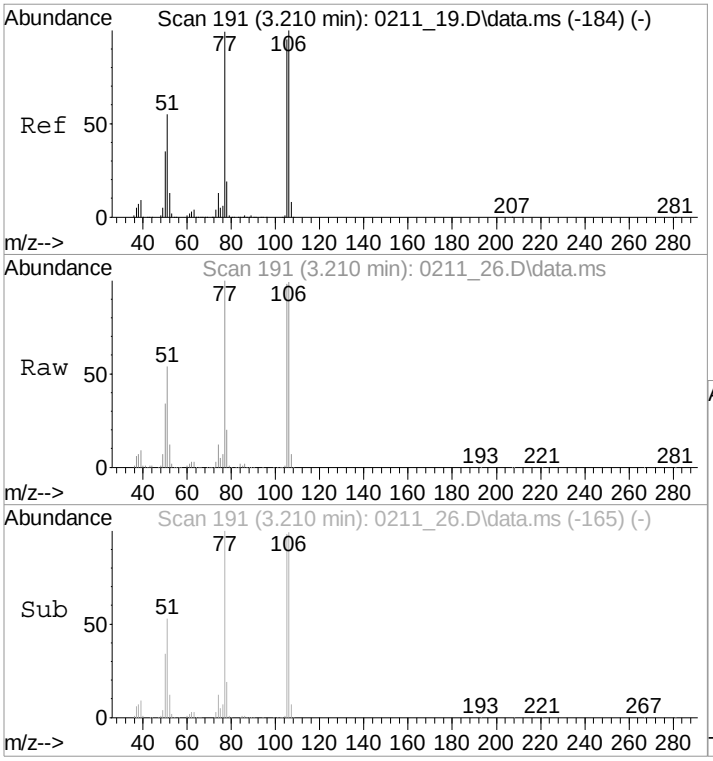
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 26.D
Acq On : 11 Feb 2022 6:36 pm
Operator : 917
Sample : SSCV TCL 10K1 ppb 2B08400 exp 05/01/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 22 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 18 12:06:41 2022
Quant Method : C:\msdchem\1\methods\S820B11AV.M
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

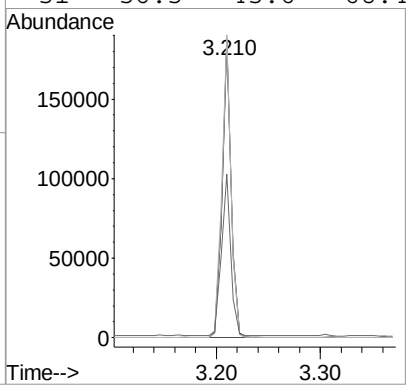


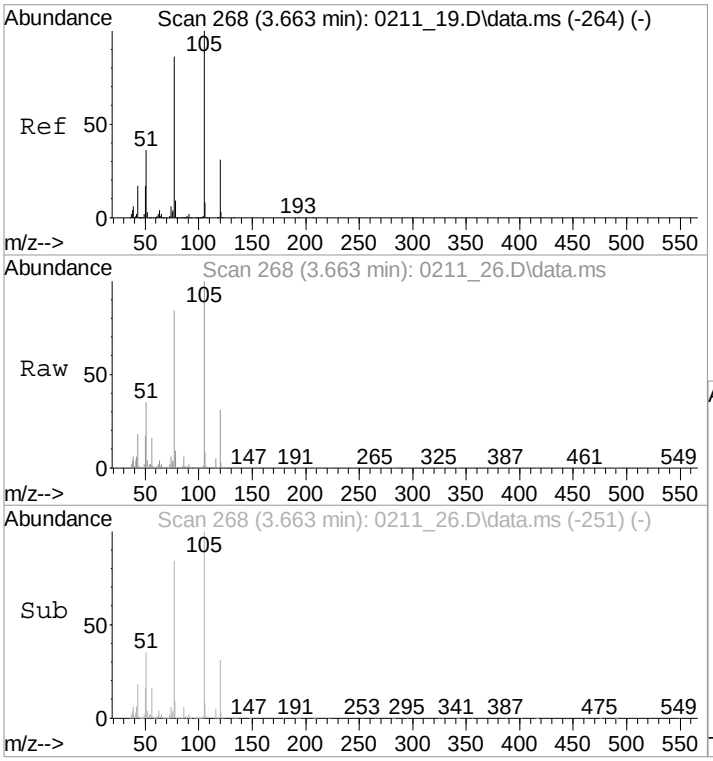


#9
Benzaldehyde
Concen: 7508.8354314 ppb
RT: 3.210 min Scan# 191
Delta R.T. 0.000 min
Lab File: 0211 26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:105 Resp: 111842

Ion	Ratio	Lower	Upper
105	100		
106	101.1	83.7	125.5
77	105.2	83.5	125.3
51	56.5	45.6	68.4

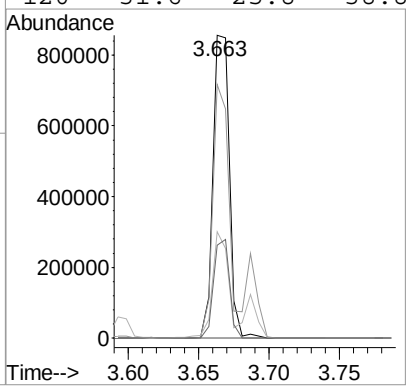


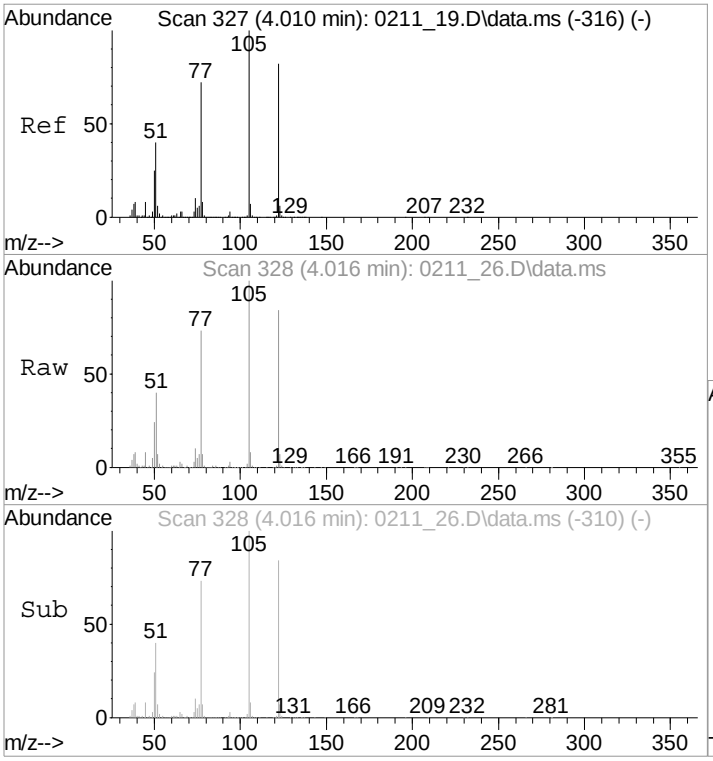


#22
Acetophenone
Concen: 9934.4847407 ppb
RT: 3.663 min Scan# 268
Delta R.T. 0.000 min
Lab File: 0211_26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:105 Resp: 688340

Ion	Ratio	Lower	Upper
105	100		
77	100.8	64.6	97.0#
51	44.1	26.6	39.8#
120	31.6	25.8	38.8

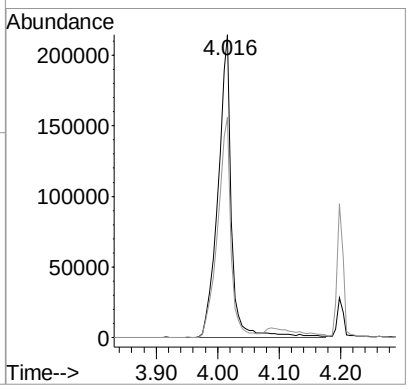


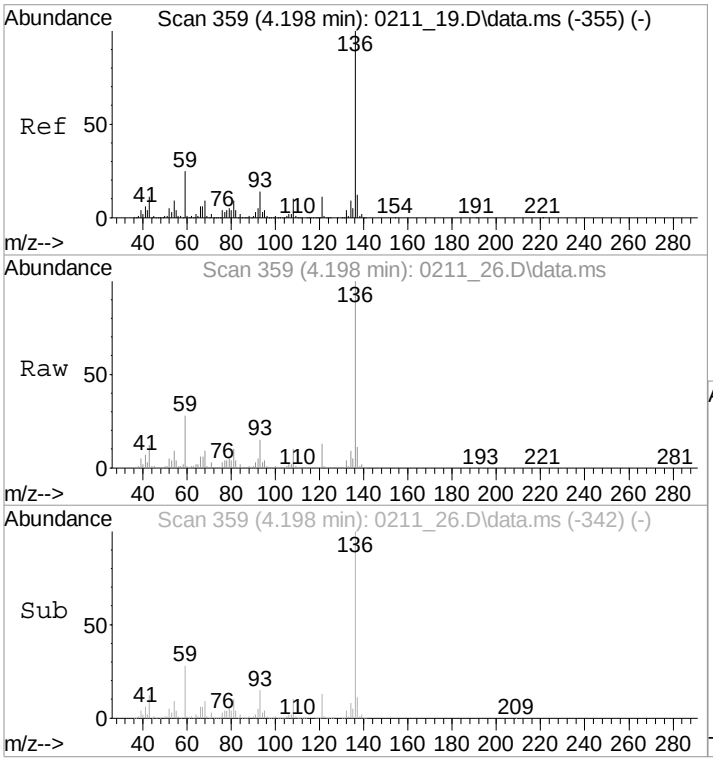


#31
Benzoic Acid
Concen: 10485.1134450 ppb
RT: 4.016 min Scan# 328
Delta R.T. 0.006 min
Lab File: 0211 26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:105 Resp: 326252

Ion	Ratio	Lower	Upper
105	100		
77	71.7	24.3	64.3#

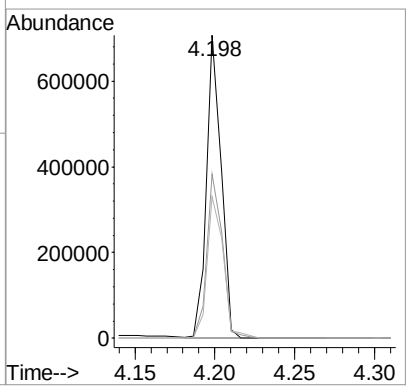


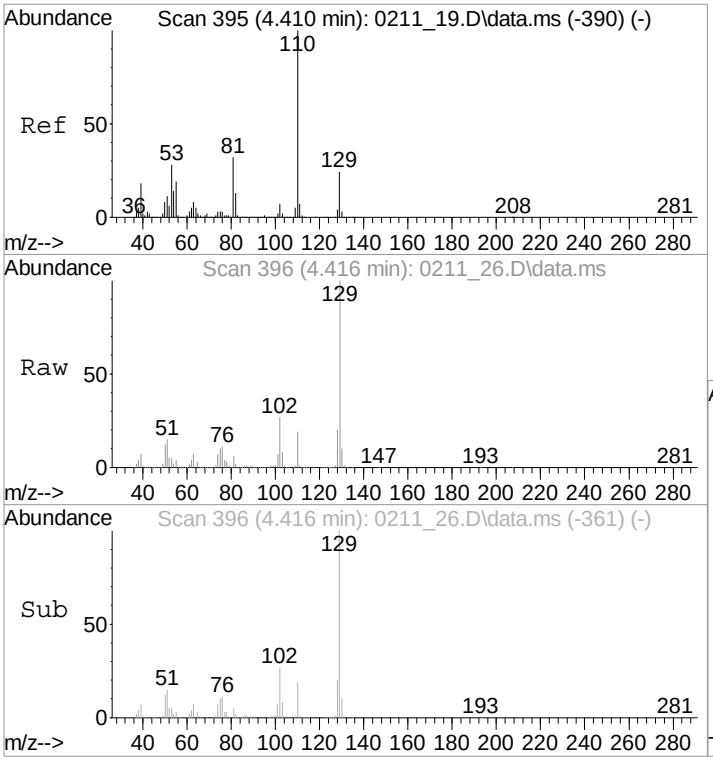


#33
alpha-terpineol
Concen: 10621.0655045 ppb
RT: 4.198 min Scan# 359
Delta R.T. 0.000 min
Lab File: 0211_26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion: 59 Resp: 454566

Ion	Ratio	Lower	Upper
59	100		
93	54.1	33.7	73.7
121	46.6	23.9	63.9

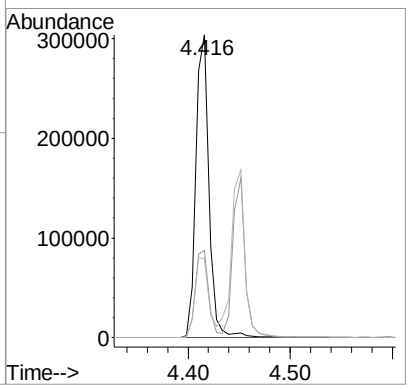


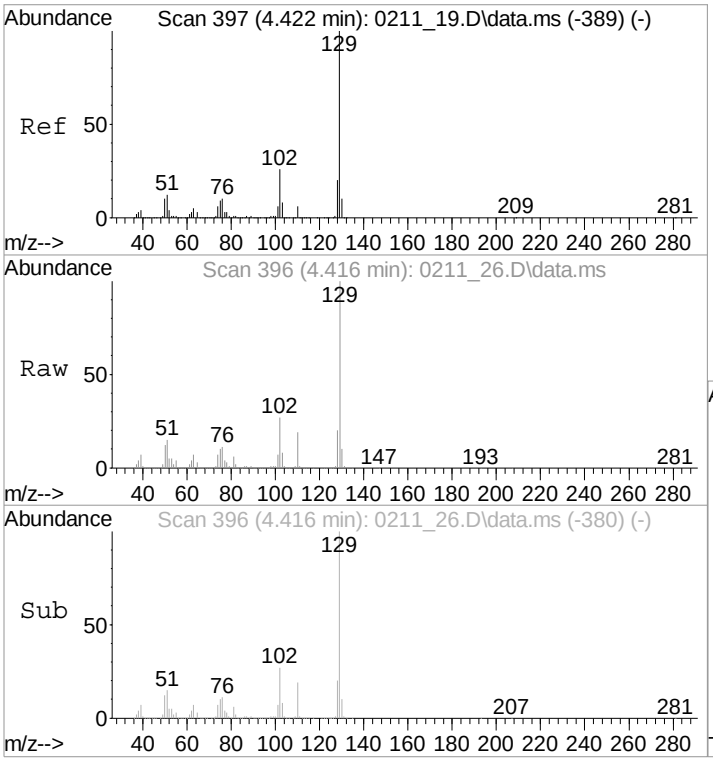


#37
Hydroquinone
Concen: 5117.1683838 ppb m
RT: 4.416 min Scan# 396
Delta R.T. 0.006 min
Lab File: 0211 26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:110 Resp: 268997

Ion	Ratio	Lower	Upper
110	100		
81	28.8	11.6	51.6
53	26.0	8.1	48.1

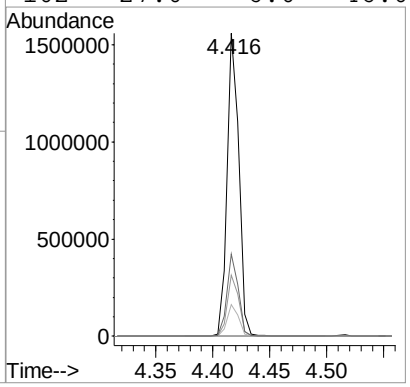


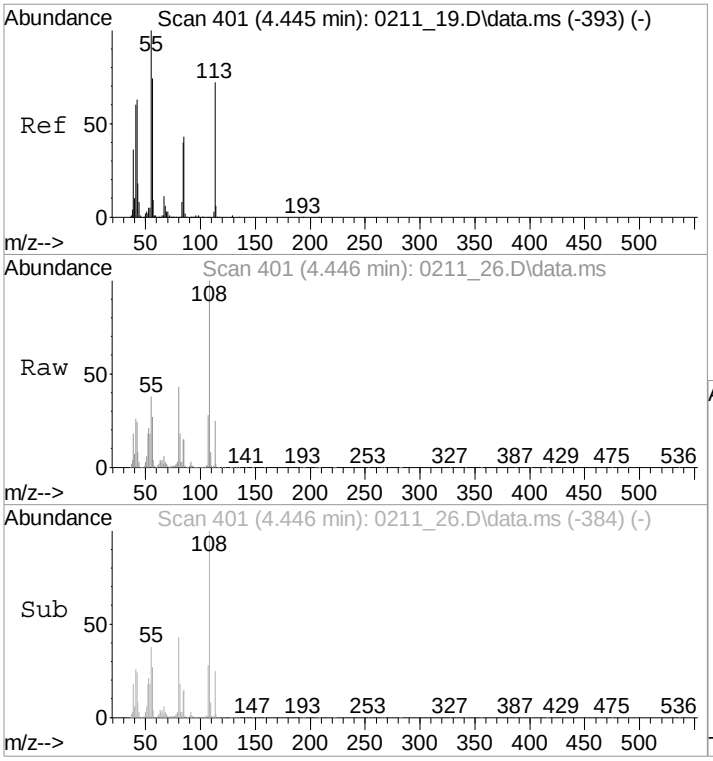


#38
Quinoline
Concen: 10153.8619501 ppb
RT: 4.416 min Scan# 396
Delta R.T. -0.005 min
Lab File: 0211_26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:129 Resp: 1114418

Ion	Ratio	Lower	Upper
129	100		
128	20.1	0.0	39.5
130	10.3	0.0	30.0
102	27.0	6.0	46.0

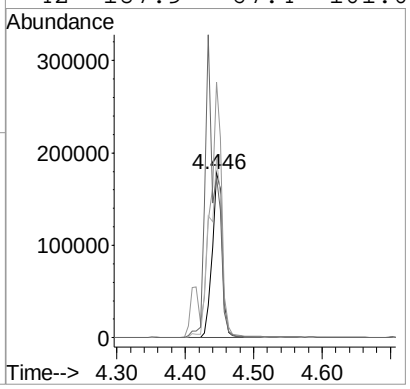


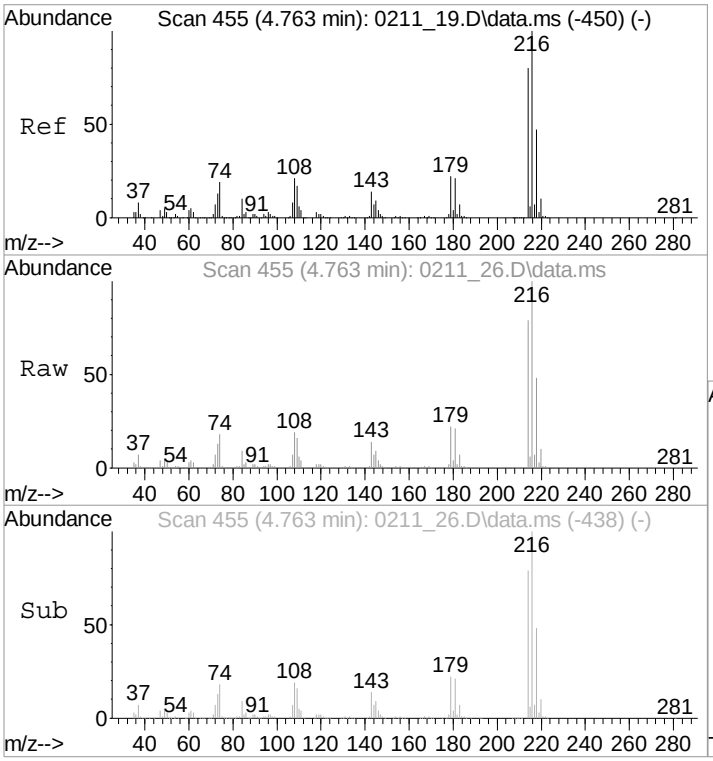


#39
Caprolactam
Concen: 11293.2227635 ppb
RT: 4.446 min Scan# 401
Delta R.T. 0.000 min
Lab File: 0211 26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:113 Resp: 188168

Ion	Ratio	Lower	Upper
113	100		
55	168.7	109.9	164.9#
56	136.8	80.4	120.6#
42	187.9	67.4	101.0#

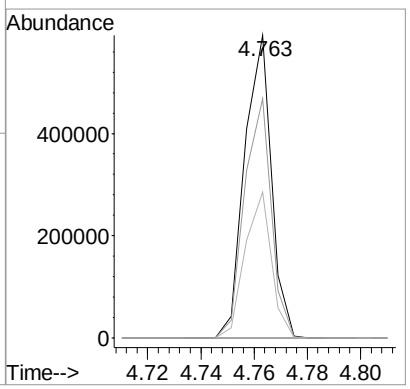


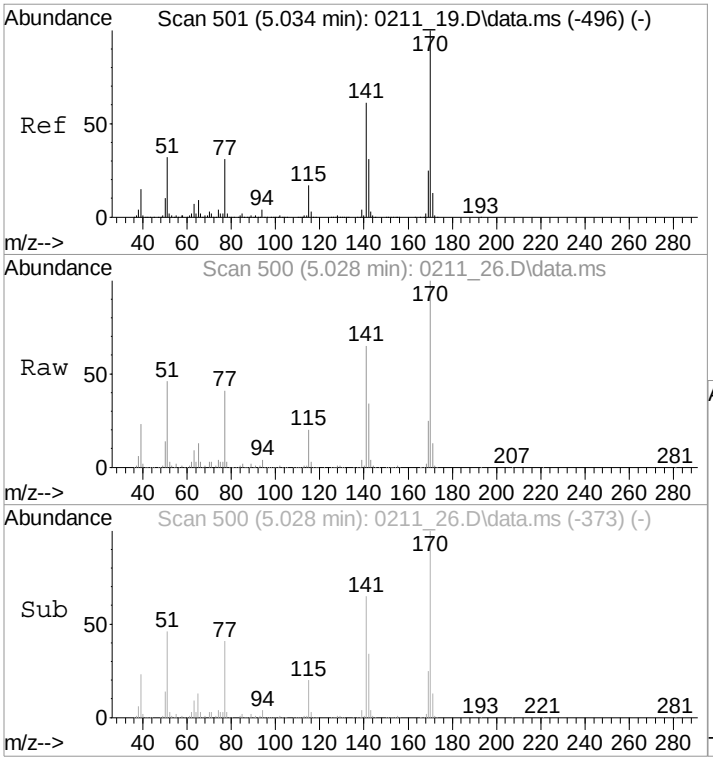


#43
1,2,4,5-Tetrachlorobenzene
Concen: 9753.3534387 ppb
RT: 4.763 min Scan# 455
Delta R.T. 0.000 min
Lab File: 0211_26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:216 Resp: 414213

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.9	95.9
218	47.6	37.4	56.0

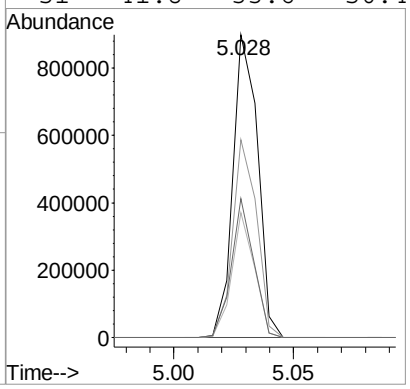


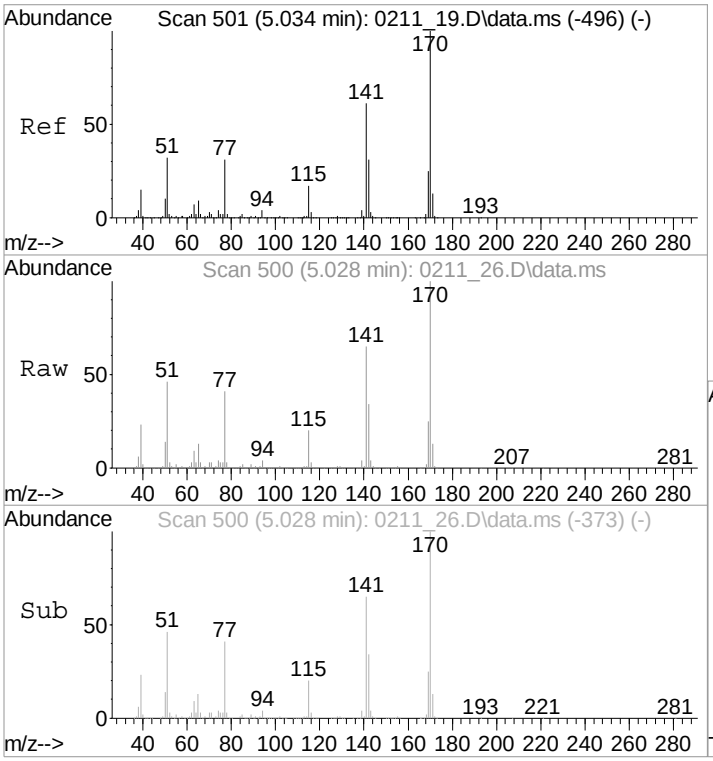


#44
Diphenyl Ether
Concen: 9588.6674008 ppb
RT: 5.028 min Scan# 500
Delta R.T. -0.005 min
Lab File: 0211 26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:170 Resp: 647250

Ion	Ratio	Lower	Upper
170	100		
141	63.6	51.0	76.4
77	37.9	30.7	46.1
51	41.8	33.6	50.4

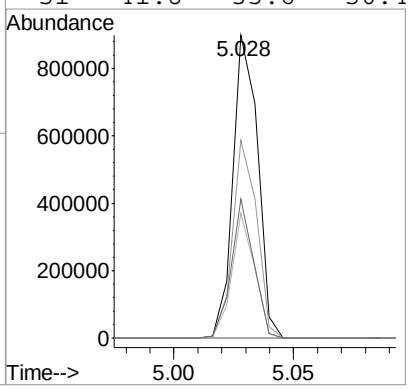


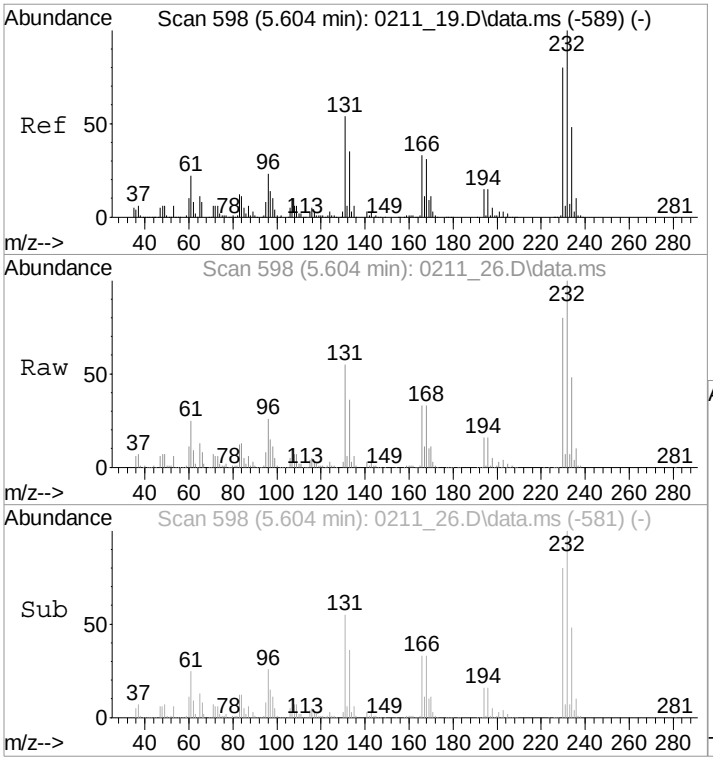


#45
Diphenyl Oxide
Concen: 9588.6674008 ppb
RT: 5.028 min Scan# 500
Delta R.T. -0.005 min
Lab File: 0211_26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:170 Resp: 647250

Ion	Ratio	Lower	Upper
170	100		
141	63.6	51.0	76.4
77	37.9	30.7	46.1
51	41.8	33.6	50.4

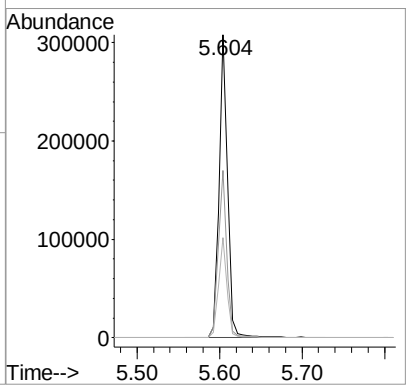


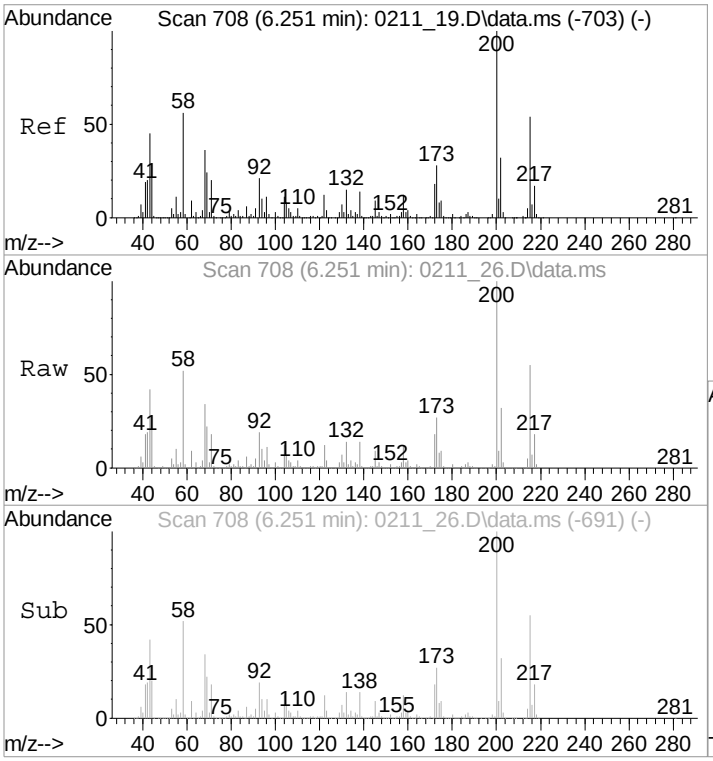


#62
2,3,4,6-Tetrachlorophenol
Concen: 9955.5879696 ppb
RT: 5.604 min Scan# 598
Delta R.T. 0.000 min
Lab File: 0211 26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:232 Resp: 222135

Ion	Ratio	Lower	Upper
232	100		
131	55.1	33.6	73.6
166	32.9	12.5	52.5

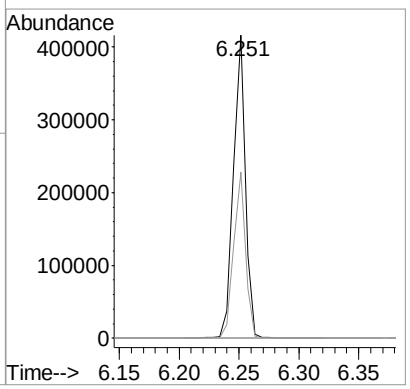


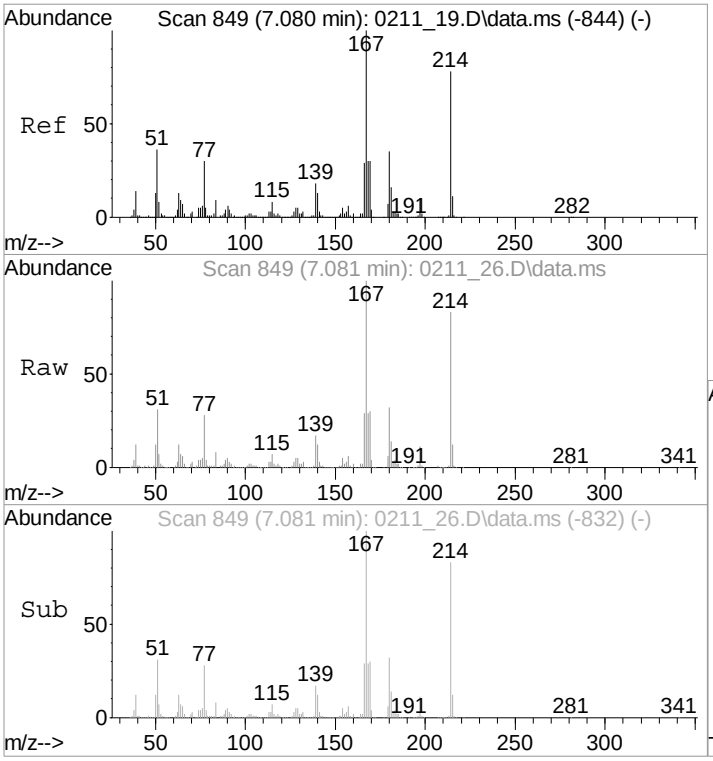


#69
Atrazine
Concen: 9823.8435029 ppb
RT: 6.251 min Scan# 708
Delta R.T. 0.000 min
Lab File: 0211_26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:200 Resp: 290314

Ion	Ratio	Lower	Upper
200	100		
215	54.8	33.7	50.5#
60	0.1	0.0	0.0#

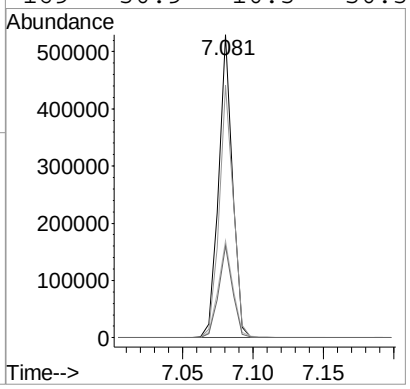


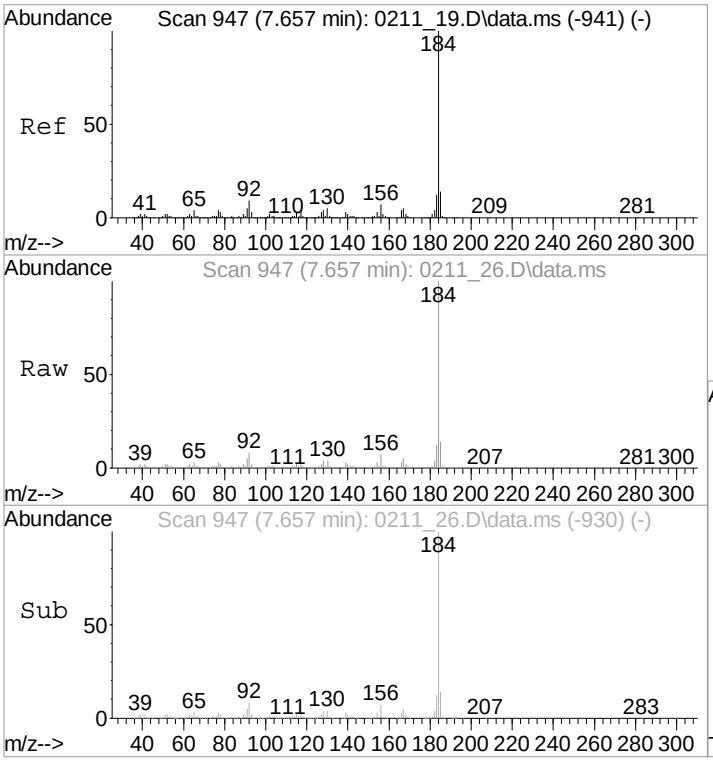


#82
2-nitrodiphenylamine
Concen: 9000.9492309 ppb
RT: 7.081 min Scan# 849
Delta R.T. 0.001 min
Lab File: 0211 26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:167 Resp: 363254

Ion	Ratio	Lower	Upper
167	100		
214	84.4	63.5	103.5
180	34.4	16.6	56.6
169	30.9	10.3	50.3

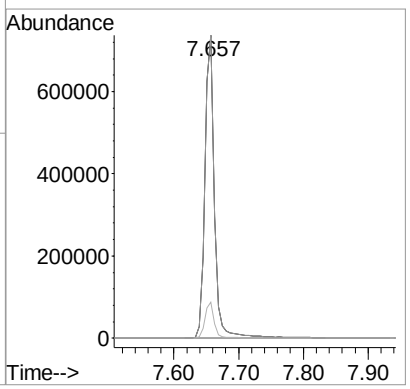


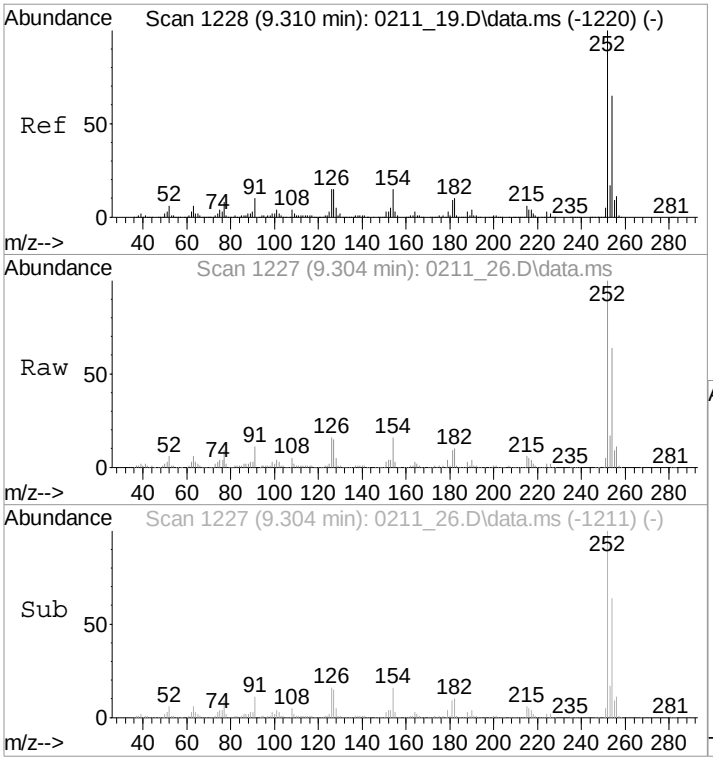


#85
Benzidine
Concen: 8935.1379508 ppb
RT: 7.657 min Scan# 947
Delta R.T. 0.001 min
Lab File: 0211_26.D
Acq: 11 Feb 2022 6:36 pm

Tgt Ion:184 Resp: 747814

Ion	Ratio	Lower	Upper
184	100		
184	100.0	0.0	20.0#
183	11.9	0.0	20.0

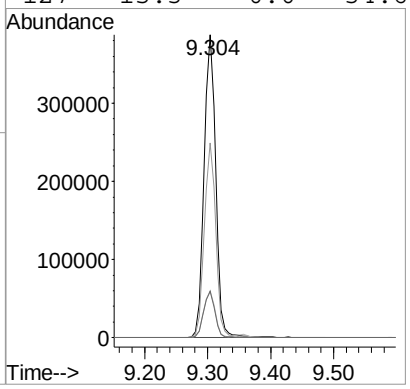




#89
3,3-Dichlorobenzidine
Concen: 9351.9568893 ppb
RT: 9.304 min Scan# 1227
Delta R.T. -0.006 min
Lab File: 0211 26.D
Acq: 11 Feb 2022 6:36 pm

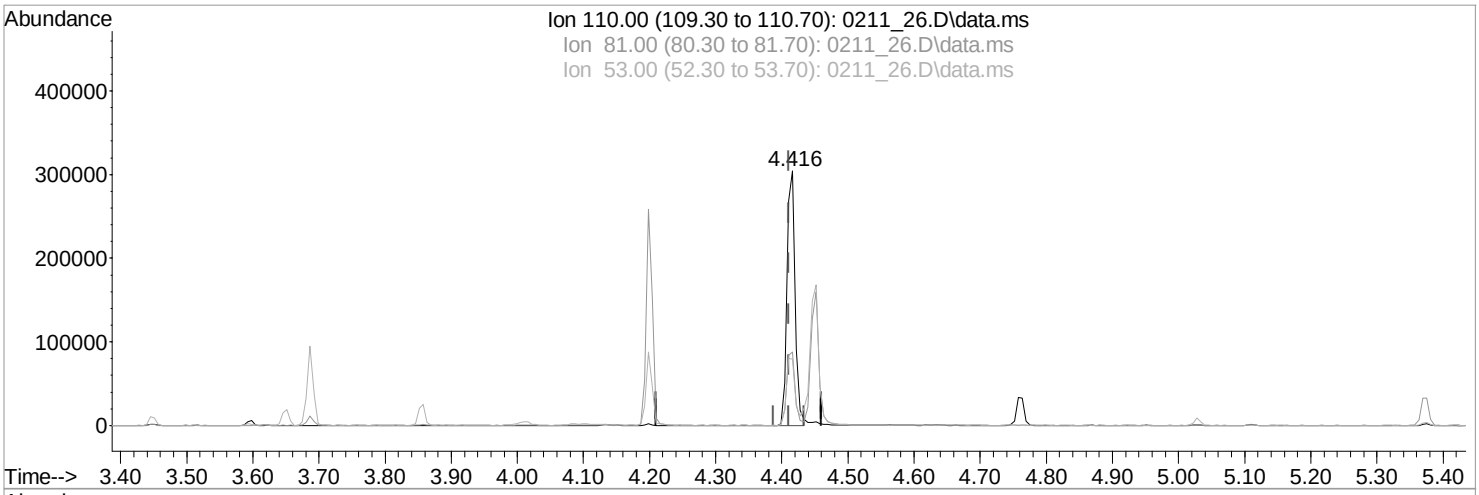
Tgt Ion:252 Resp: 495203

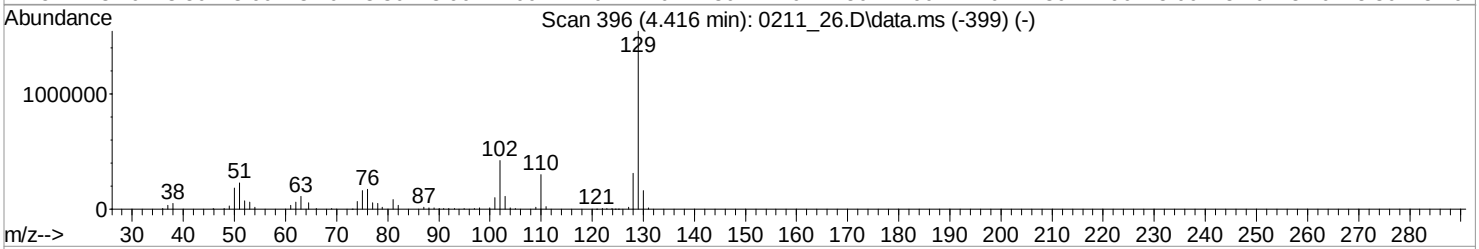
Ion	Ratio	Lower	Upper
252	100		
254	64.1	45.0	85.0
154	15.5	0.0	35.2
127	15.3	0.0	34.6

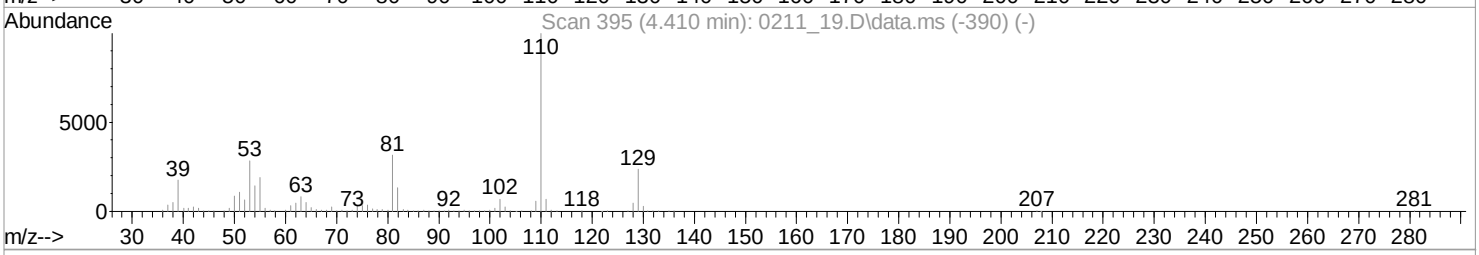


Data Path : C:\msdchem\1\data\021122\
Data File : 0211 26.D
Acq On : 11 Feb 2022 6:36 pm
Operator : 917
Sample : SSCV TCL 10K1 ppb 2B08400 exp 05/01/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 22 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 18 12:03:30 2022
Quant Method : C:\msdchem\1\methods\S820B11AV.M
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0211_26.D\data.ms

(37) Hydroquinone

4.416min (+0.006) 4980.3919860 ppb

Qvalue = 95

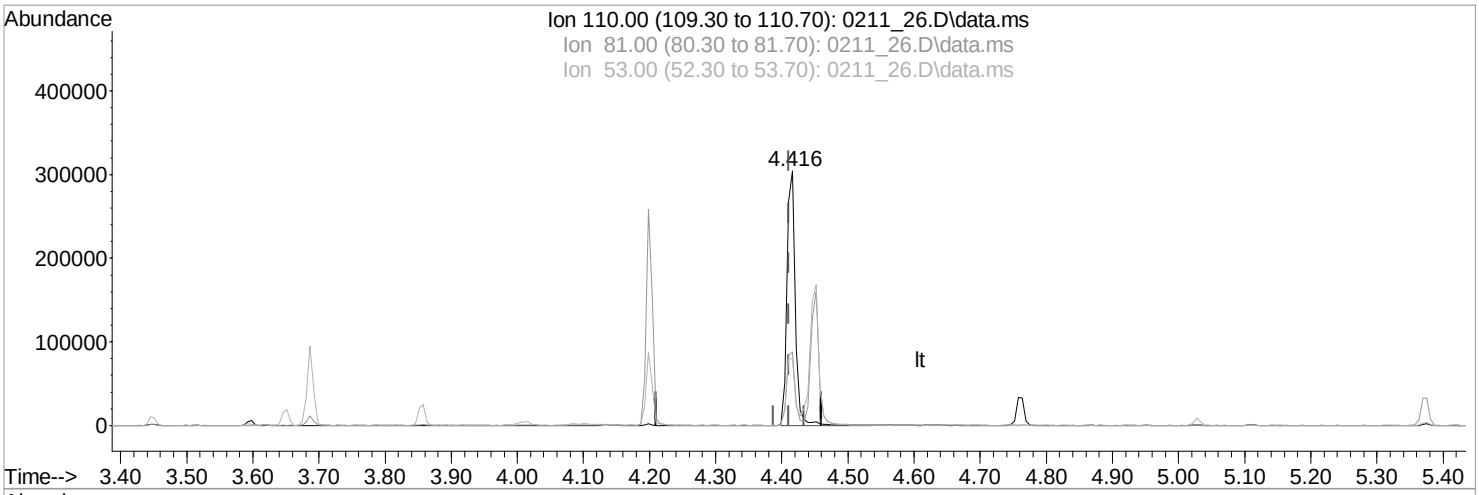
response 261807

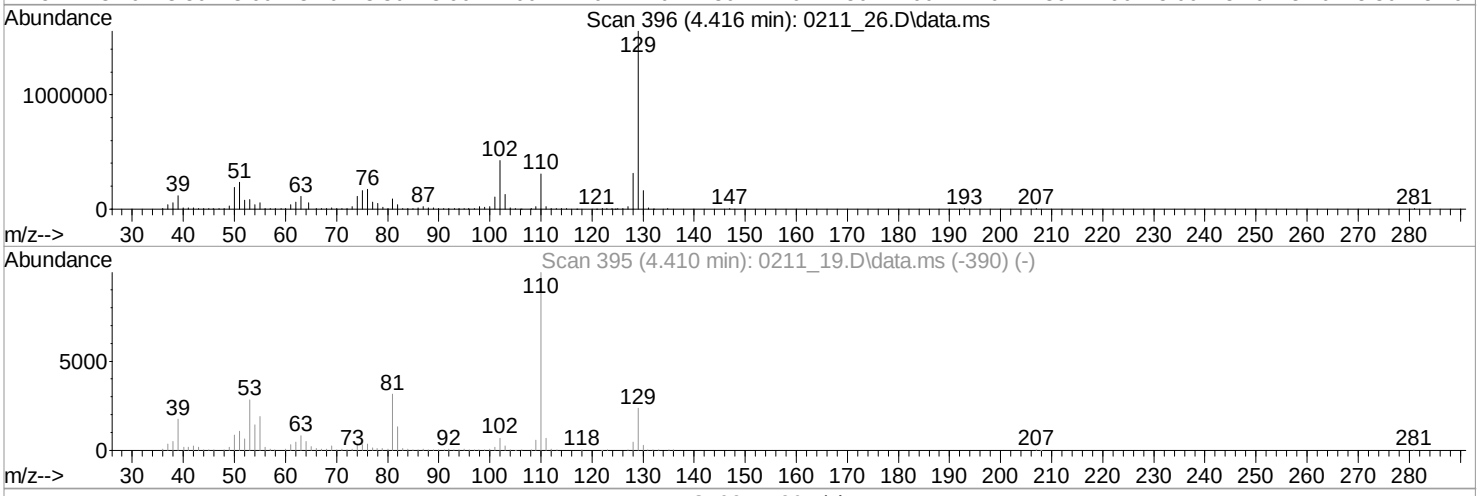
Ion	Exp%	Act%
110.00	100	100
81.00	31.60	28.73
53.00	28.10	25.91
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\021122\
Data File : 0211 26.D
Acq On : 11 Feb 2022 6:36 pm
Operator : 917
Sample : SSCV TCL 10K1 ppb 2B08400 exp 05/01/22
Misc : TCL CAL ISTD 22A26810 exp 7/26/22
ALS Vial : 22 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: Feb 18 12:03:30 2022
Quant Method : C:\msdchem\1\methods\S820B11AV.M
Quant Title : 8270 BNA
QLast Update : Sun Feb 13 09:38:35 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0211_26.D\data.ms

(37) Hydroquinone

4.416min (+0.006) 5117.1683838 ppb m

response 268997

Ion	Exp%	Act%
110.00	100	100
81.00	31.60	28.79
53.00	28.10	25.99
0.00	0.00	0.00

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488631	**Calibration (begin) date/time:**	02/11/22 11:40
Instrument ID:	BNAMS20	**Calibration (end) date/time:**	02/11/22 17:52
Lab File ID:	0506A_04-1	**Analysis date/time:**	05/06/22 15:23
Analytical Method:	8270E	**Sample ID:**	ICV

Analyte	Avg. RRF	RRF	Min. RRF	Diff. %	Max Diff. %	True Value mg/l	Result mg/l	Result % Rec.	Limits %
1-METHYLNAPHTHALENE	0.578152	0.64020930		10.70		10	11.07	111	
2-METHYLNAPHTHALENE	0.605229	0.67108450		10.90		10	11.09	111	
3&4-METHYL PHENOL	1.308048	1.441950		10.20		10	11.02	110	
ACENAPHTHENE	1.100041	1.207886		9.80	20	10	10.98	110	
ACENAPHTHYLENE	1.575947	1.825742		15.90		10	11.59	116	
ANTHRACENE	0.996099	1.083637		8.79		10	10.88	109	
BENZO(A)ANTHRACENE	1.191209	1.235933		3.75		10	11.07	111	
BENZO(A)PYRENE	0.903627	1.093810		21	20	10	12.10	121	
BENZO(B)FLUORANTHENE	1.093318	1.272308		16.40		10	11.64	116	
BENZO(G,H,I)PERYLENE	0.987230	1.113492		12.80		10	11.28	113	
BENZO(K)FLUORANTHENE	1.083418	1.244148		14.80		10	11.48	115	
BIS(2-ETHYLHEXYL)PHTHALATE	0.803811	0.89231460		11		10	11.10	111	
CARBAZOLE	0.954893	1.051322		10.10		10	11.01	110	
CHRYSENE	1.167295	1.216223		4.19		10	10.42	104	
DI-N-BUTYL PHTHALATE	1.100979	1.240921		12.70		10	11.27	113	
DI-N-OCTYL PHTHALATE	1.233909	1.421720		15.20	20	10	10.18	102	80 - 120
DIBENZ(A,H)ANTHRACENE	1.093444	1.122751		2.68		10	11.00	110	
DIBENZOFURAN	1.463982	1.660102		13.40		10	11.34	113	
FLUORANTHENE	0.999513	1.122798		12.30	20	10	11.23	112	
FLUORENE	1.246631	1.360321		9.12		10	10.91	109	
INDENO(1,2,3-CD)PYRENE	0.919587	1.041812		13.30		10	11.33	113	
NAPHTHALENE	0.924899	1.004087		8.56		10	10.86	109	
PENTACHLOROPHENOL	0.099138	0.13782770		39	20	10	11.16	112	80 - 120
PHENANTHRENE	1.026137	1.083253		5.57		10	10.56	106	
PHENOL	1.517993	1.770391		16.60	20	10	11.66	117	
PYRENE	1.235972	1.402064		13.40		10	11.34	113	
2,4,6-TRIBROMOPHENOL	0.081668	0.11150530		36.50		10	13.65	137	70 - 130
2-FLUOROBIPHENYL	1.167452	1.318602		12.90		10	11.29	113	70 - 130
2-FLUOROPHENOL	1.140240	1.325974		16.30		10	11.63	116	70 - 130
NITROBENZENE-D5	0.338405	0.31464120		7.02		10	9.298	93	70 - 130
P-TERPHENYL-D14	0.944949	1.108784		17.30		10	11.73	117	70 - 130
PHENOL-D5	1.452305	1.606157		10.60		10	11.06	111	70 - 130

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 16:50:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.340	152	299875	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.081	136	1228612	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.245	164	680766	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.363	188	1220254	8000.0000000 ppb	0.00
84) Chrysene-d12	9.127	240	1001766	8000.0000000 ppb	0.00
94) Perylene-d12	11.780	264	937358	8000.0000000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.687	112	497033	11628.9017876 ppb	-0.01
Spiked Amount 4000.000	Range 10 - 120		Recovery = 290.72%#		
7) Phenol-d5	3.146	99	602058	11059.3686554 ppb	-0.02
Spiked Amount 4000.000	Range 10 - 120		Recovery = 276.48%#		
24) Nitrobenzene-d5	3.651	82	483215m	9297.7641229 ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 464.89%#		
50) 2-Fluorobiphenyl	4.763	172	1122074	11294.6926179 ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 564.73%#		
73) 2,4,6-Tribromophenol	5.828	330	170081	13653.4267530 ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 341.34%#		
87) p-Terphenyl-d14	7.751	244	1388428	11733.8062353 ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 586.69%#		
Target Compounds					Qvalue
2) Pyridine	2.110	79	505453	10765.1662250 ppb	95
3) N-Nitrosodimethylamine	2.081	42	236723	8880.5449915 ppb #	79
5) Aniline	3.157	66	467426	17788.2627480 ppb #	89
6) bis(2-Chloroethyl)ether	3.175	93	434886m	10011.6970249 ppb	
8) Phenol	3.151	94	663620m	11662.7099573 ppb	
10) 2-Chlorophenol	3.234	128	546463	11281.0387501 ppb	98
11) n-Decane	3.222	41	236124	7936.4414496 ppb	90
12) 1,3-Dichlorobenzene	3.310	146	582753	11173.8697851 ppb	95
13) 1,4-Dichlorobenzene	3.346	146	591114	11057.6356418 ppb	97
14) Benzyl Alcohol	3.410	79	382729	10101.6849320 ppb	99
15) 1,2-Dichlorobenzene	3.434	146	557801	11058.6392051 ppb	93
16) bis(2-Chloroisopropyl)...	3.469	121	185165	10883.4426444 ppb	96
17) 2,2-oxybis(1-chloropro...	3.469	121	185165	10883.4426444 ppb	96
18) 2-Methylphenol	3.481	108	470605	10993.1761709 ppb	96
19) Hexachloroethane	3.628	117	234163	11057.8689827 ppb	93
20) N-Nitrosodi-n-propylamine	3.551	70	323533	9632.7061006 ppb #	79
21) 3&4-Methyl phenol	3.563	107	540506	11023.6804130 ppb	96
25) Nitrobenzene	3.663	77	486480	10022.4784737 ppb	84
26) Isophorone	3.793	82	910542	10165.8359049 ppb	99
27) 2-Nitrophenol	3.845	139	310130	12788.5237487 ppb #	65
28) 2,4-Dimethylphenol	3.869	107	490505	10253.0124322 ppb	99
29) bis(2-Chlorethoxy)methane	3.910	93	596383	10786.6199830 ppb	90
30) 2,4-Dichlorophenol	3.998	162	437730	11480.1381240 ppb	96
32) 1,2,4-Trichlorobenzene	4.040	180	472420	11506.3196426 ppb	98
34) Naphthalene	4.093	128	1542041	10856.1741155 ppb	99
35) 4-Chloroaniline	4.122	65	159497	8887.1019106 ppb	84
36) Hexachloro-1,3-butadiene	4.157	225	244591	11260.8998481 ppb	95
40) 4-Chloro-3-methylphenol	4.434	107	446248	10953.3266889 ppb	98
41) 2-Methylnaphthalene	4.528	142	1030628	11088.1124189 ppb	98
42) 1-Methylnaphthalene	4.593	142	983211	11073.3795294 ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

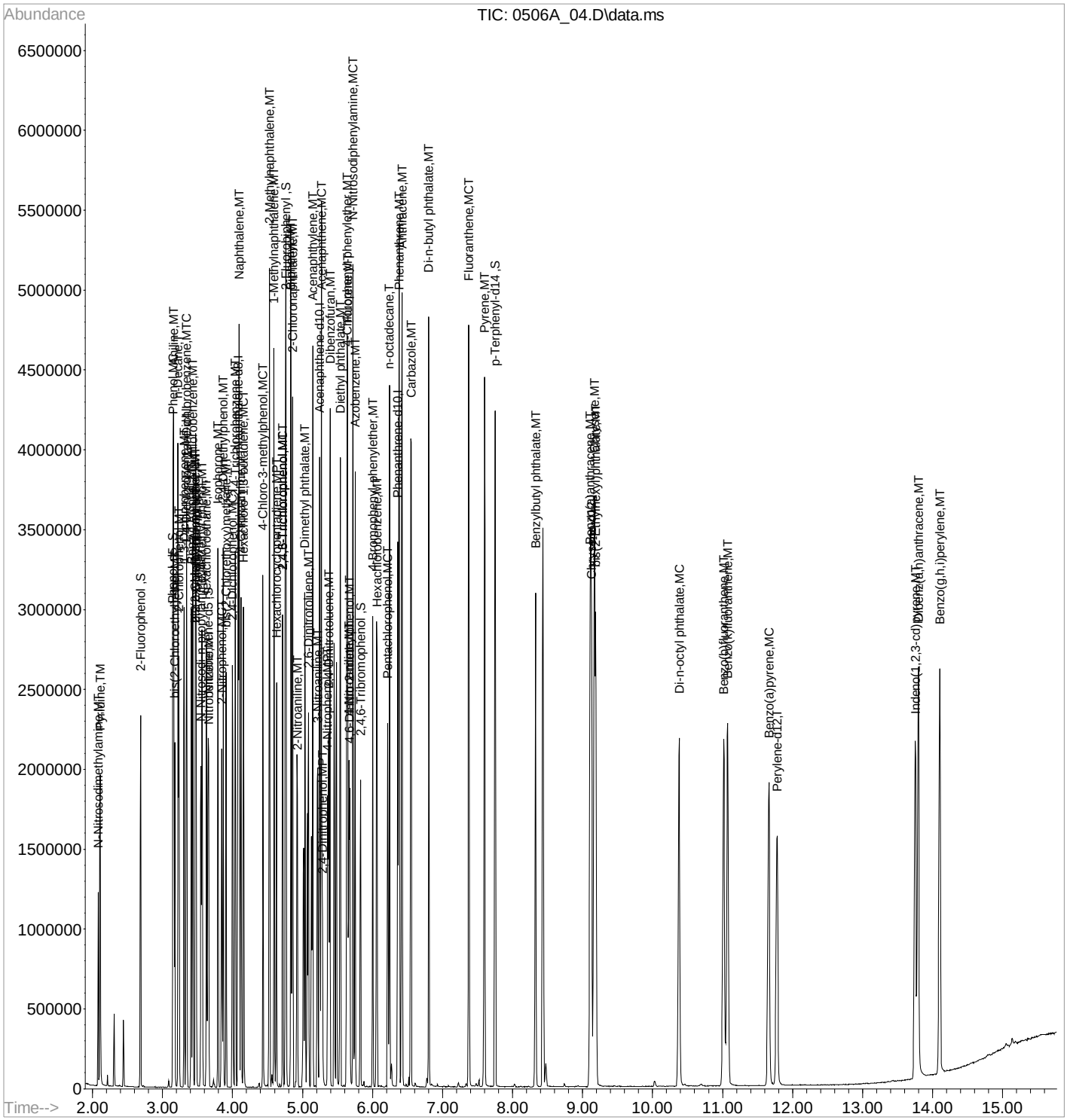
Quant Time: May 06 16:50:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	Hexachlorocyclopentadiene	4.628	237	296076	10625.0485728 ppb		98
48)	2,4,6-Trichlorophenol	4.716	196	314942	11921.2966448 ppb		90
49)	2,4,5-Trichlorophenol	4.716	196	314942	10941.2780641 ppb		91
51)	Biphenyl	4.834	154	1273915	11103.9434094 ppb		99
52)	2-Chloronaphthalene	4.857	162	997172	11150.0328059 ppb		99
53)	2-Nitroaniline	4.928	138	380591	12405.3774068 ppb		89
54)	Acenaphthylene	5.145	152	1553629	11585.0496709 ppb		99
55)	Dimethyl phthalate	5.034	163	1128966	11112.5935308 ppb		98
56)	2,6-Dinitrotoluene	5.087	165	286764	12290.8218488 ppb		82
57)	3-Nitroaniline	5.216	138	330695	12303.9685763 ppb	#	79
58)	Acenaphthene	5.269	153	1027860	10980.3735817 ppb		97
59)	2,4-Dinitrophenol	5.287	184	179835	13262.0192602 ppb	#	1
60)	Dibenzofuran	5.392	168	1412676	11339.6332632 ppb		98
61)	2,4-Dinitrotoluene	5.375	165	379265	12780.4883580 ppb		89
63)	4-Nitrophenol	5.357	139	271574	12519.4011409 ppb		92
64)	Fluorene	5.645	166	1157575	10911.9751507 ppb		99
65)	4-Chlorophenyl-phenyle...	5.634	204	541384	11380.1711722 ppb		92
66)	Diethyl phthalate	5.540	149	1137444	10904.8335688 ppb		97
67)	4-Nitroaniline	5.663	138	342978	11540.7522356 ppb		90
68)	Azobenzene	5.751	77	1044625	9750.3699863 ppb		91
71)	4,6-Dinitro-2-methylph...	5.675	198	231967	13241.6622961 ppb	#	80
72)	N-Nitrosodiphenylamine	5.722	169	1015243	10973.2725350 ppb		100
74)	4-Bromophenyl-phenylether	6.004	248	313464	11929.7909741 ppb		95
75)	Hexachlorobenzene	6.063	284	348864	11698.6124222 ppb		99
76)	n-octadecane	6.239	55	159245	8466.1597537 ppb	#	96
77)	Pentachlorophenol	6.216	266	210231	11159.3671982 ppb		97
78)	Phenanthrene	6.381	178	1652305	10556.6183443 ppb		100
79)	Anthracene	6.422	178	1652890	10878.8070467 ppb		99
80)	Carbazole	6.551	167	1603600	11009.8476790 ppb		100
81)	Di-n-butyl phthalate	6.804	149	1892798	11271.0702202 ppb		99
83)	Fluoranthene	7.375	202	1712623	11233.4455991 ppb		99
86)	Pyrene	7.598	202	1755675	11343.8194204 ppb		99
88)	Benzylbutyl phthalate	8.328	149	808594	11315.7921245 ppb		94
90)	Benzo(a)anthracene	9.110	228	1547645	11067.6798020 ppb		100
91)	Chrysene	9.169	228	1522963	10419.1501985 ppb		100
92)	bis(2-Ethylhexyl)phtha...	9.186	149	1117363	11101.0536569 ppb		98
93)	Di-n-octyl phthalate	10.380	149	1780289	10176.8425901 ppb		99
95)	Benzo(b)fluoranthene	11.016	252	1490760	11637.1244527 ppb		100
96)	Benzo(k)fluoranthene	11.074	252	1457765	11483.5419974 ppb		98
97)	Benzo(a)pyrene	11.663	252	1281614	12104.6611798 ppb		98
98)	Indeno(1,2,3-cd)pyrene	13.757	276	1220689m	11329.1283405 ppb		
99)	Dibenz(a,h)anthracene	13.798	278	1315524m	11004.0443480 ppb		
100)	Benzo(g,h,i)perylene	14.104	276	1304676	11278.9484357 ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

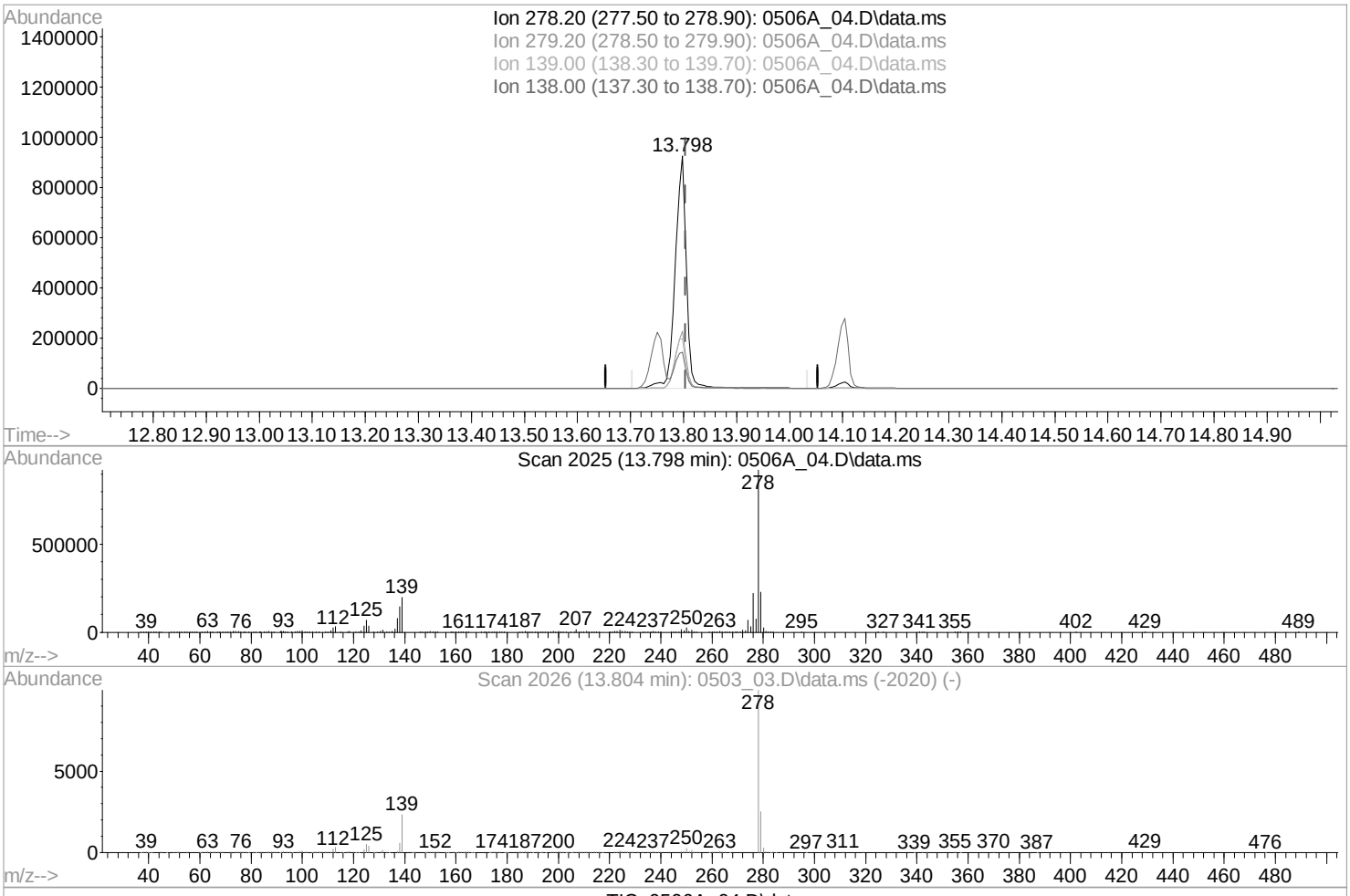
Quant Time: May 06 16:50:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 15:46:52 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0506A_04.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

13.798min (-0.006) 11375.7602899 ppb

Qvalue = 98

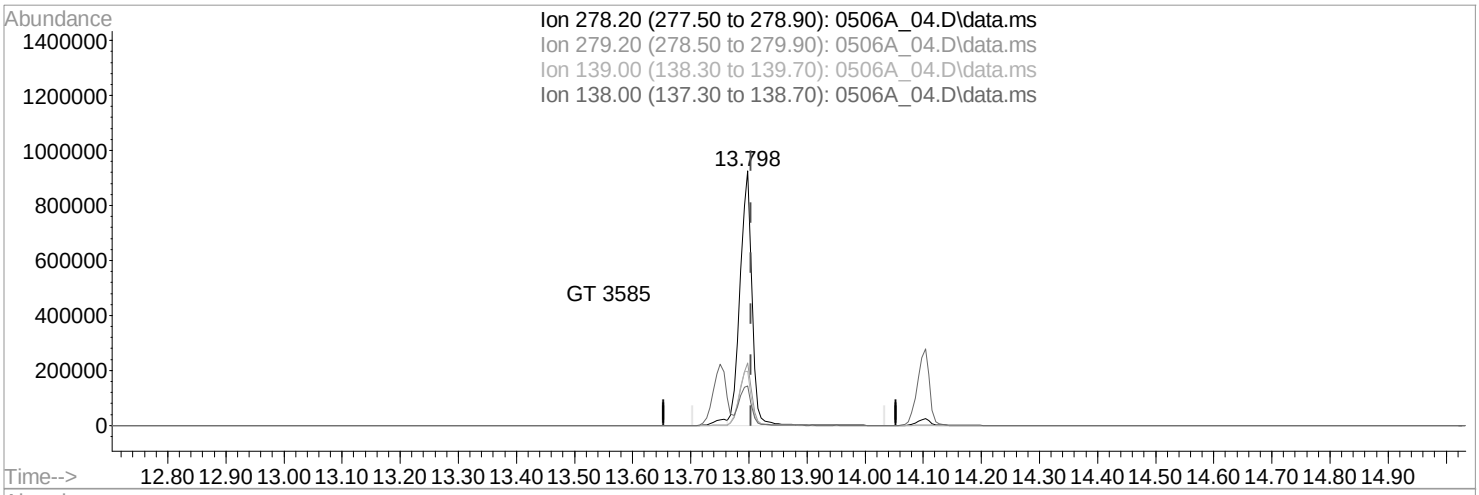
response 1359869

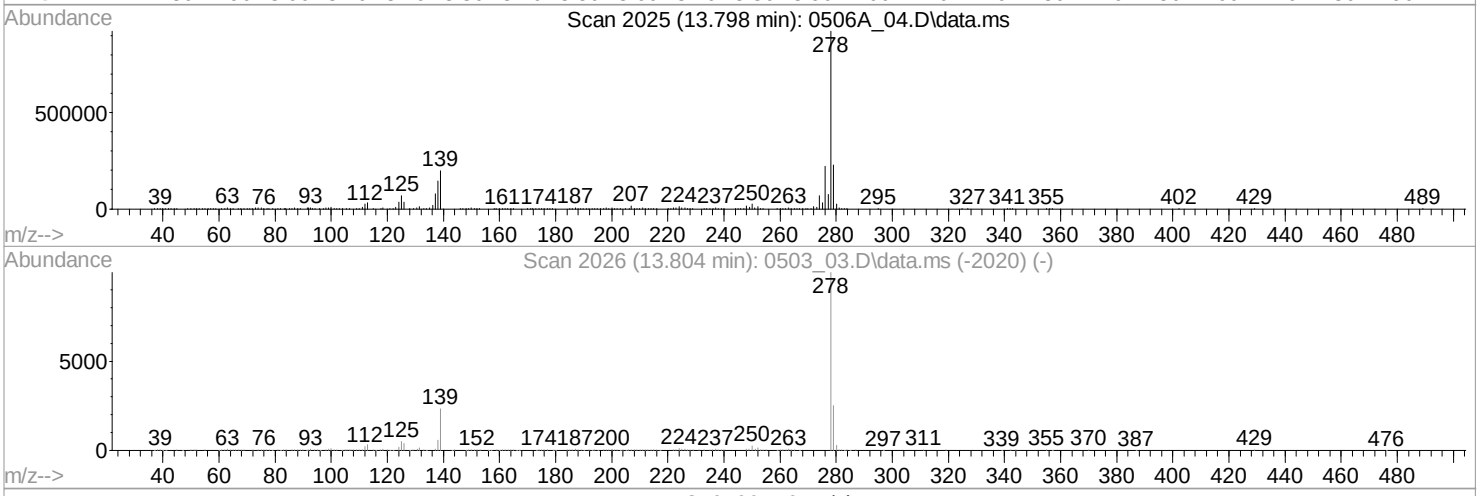
Ion	Exp%	Act%
278.20	100	100
279.20	23.90	24.70
139.00	22.50	21.26
138.00	15.80	15.55

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 15:46:52 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0506A_04.D\data.ms

(99) Dibenz(a,h)anthracene (MT)

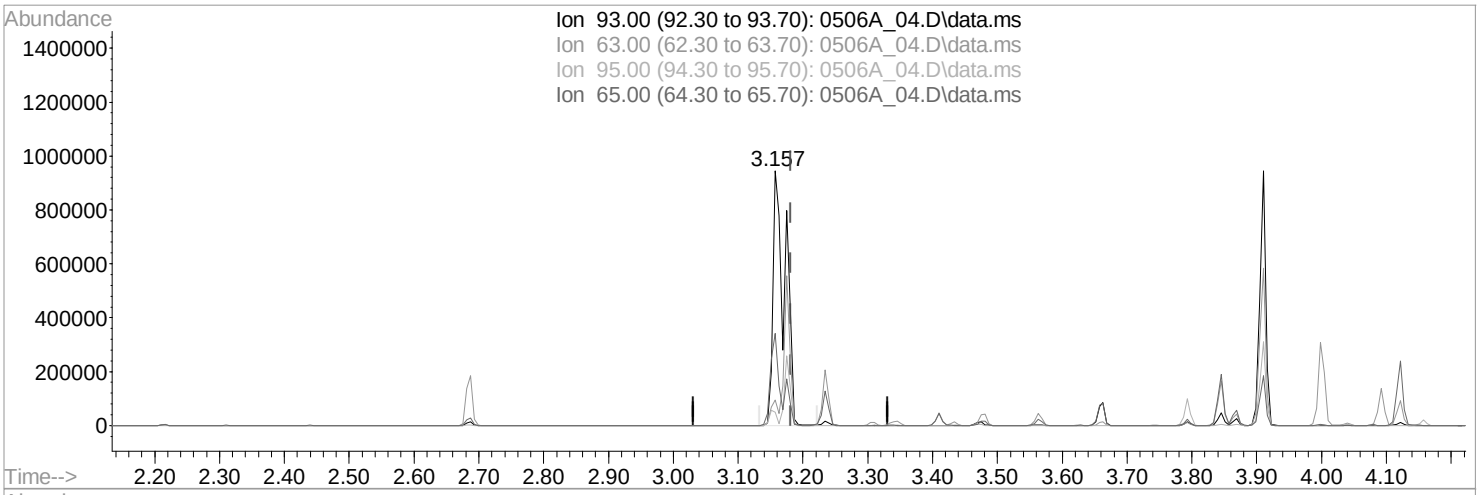
13.798min (-0.006) 11004.0443480 ppb m

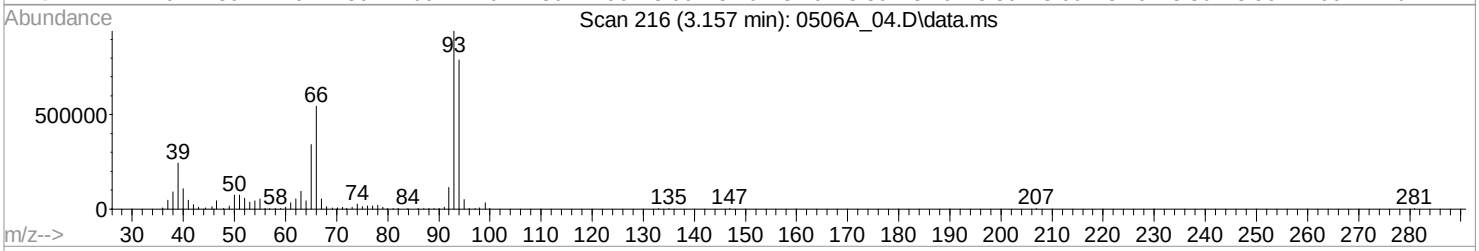
response 1315524

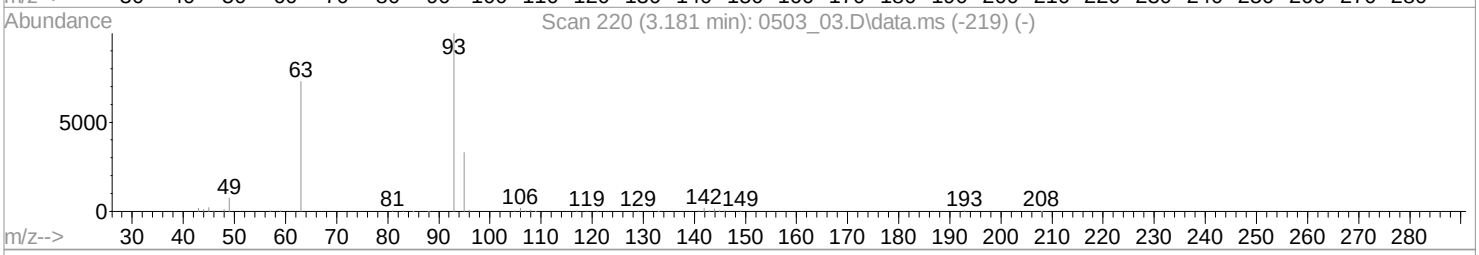
Ion	Exp%	Act%
278.20	100	100
279.20	23.90	24.70
139.00	22.50	21.26
138.00	15.80	15.55

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 15:46:52 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_04.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.157min (-0.024) 28019.2657167 ppb

Qvalue = 40

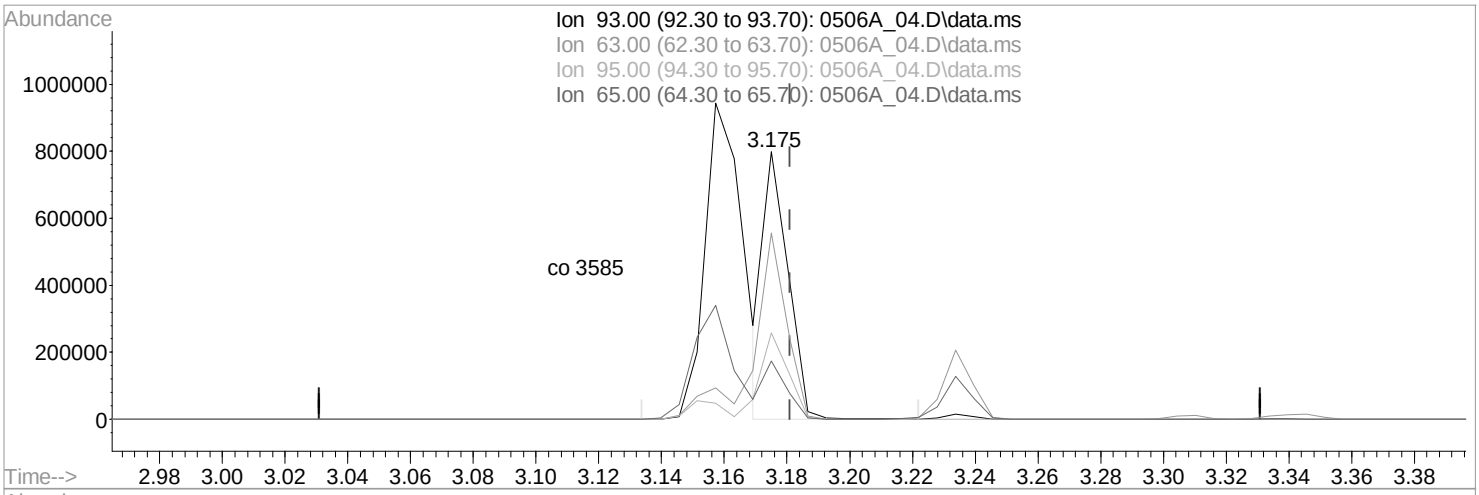
response 1217095

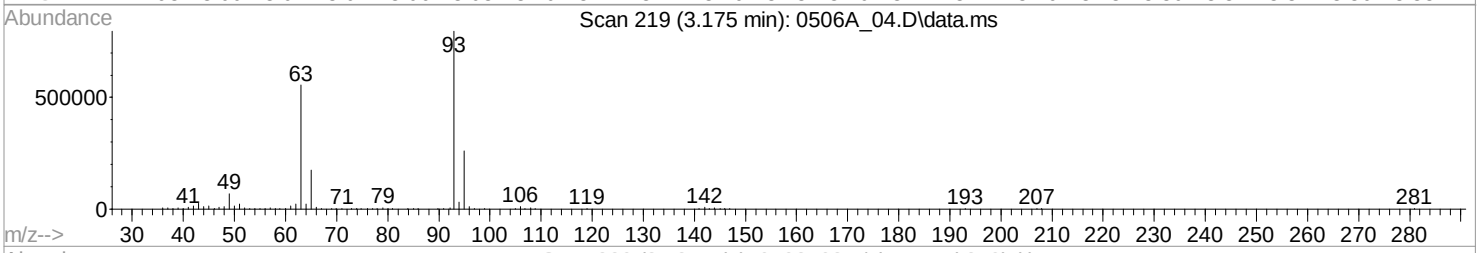
Ion	Exp%	Act%
93.00	100	100
63.00	72.00	9.96#
95.00	33.70	5.12#
65.00	22.90	36.11

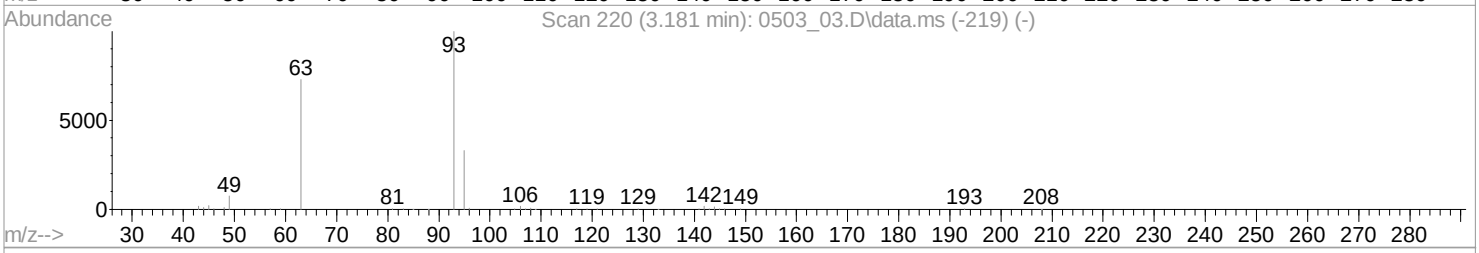
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 15:46:52 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_04.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.175min (-0.006) 10011.6970249 ppb m

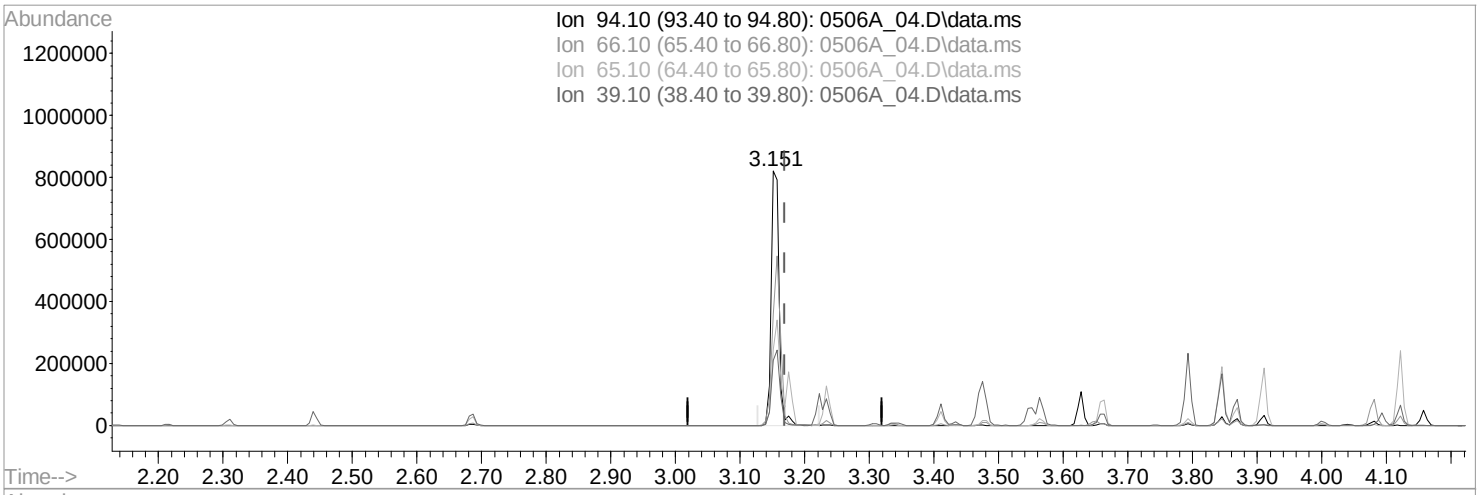
response 434886

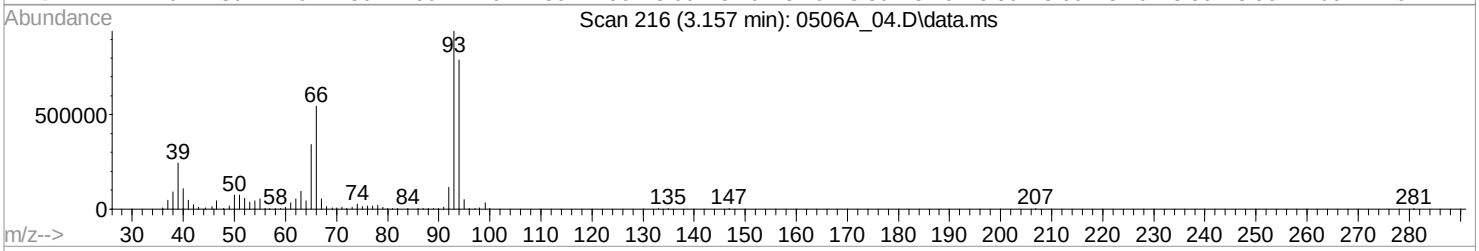
Ion	Exp%	Act%
93.00	100	100
63.00	72.00	69.68
95.00	33.70	32.42
65.00	22.90	21.75

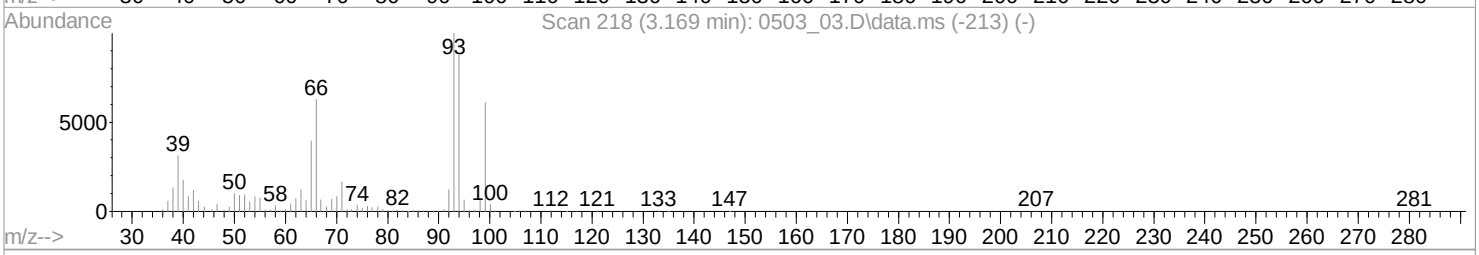
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 15:46:52 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_04.D\data.ms

(8) Phenol (MC)

3.151min (-0.018) 11972.7747410 ppb

Qvalue = 90

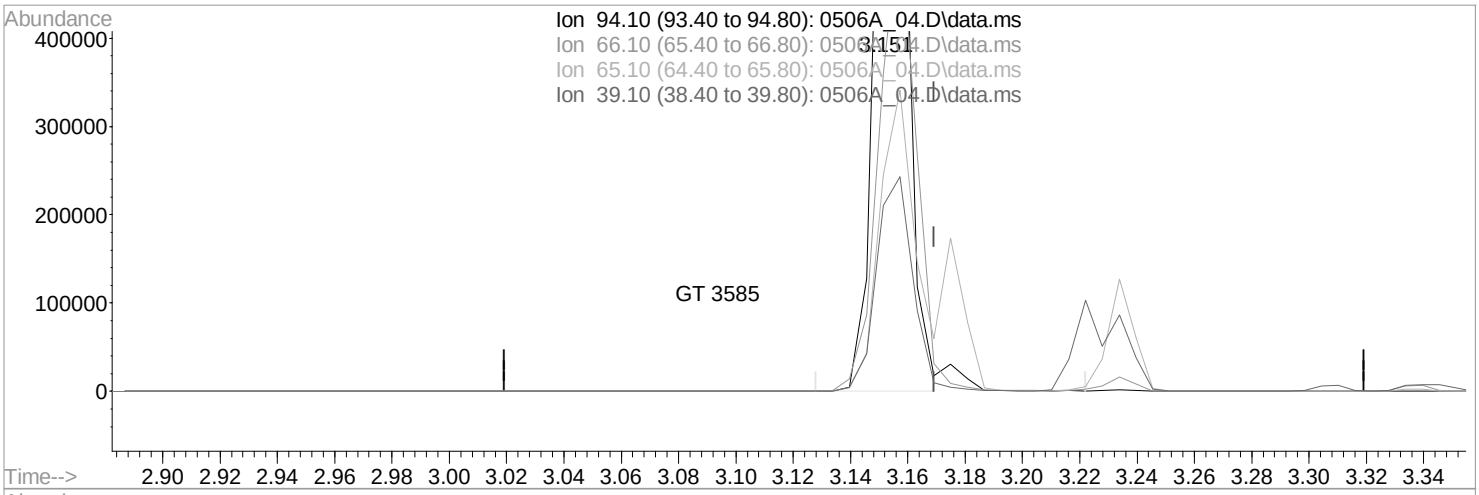
response 681263

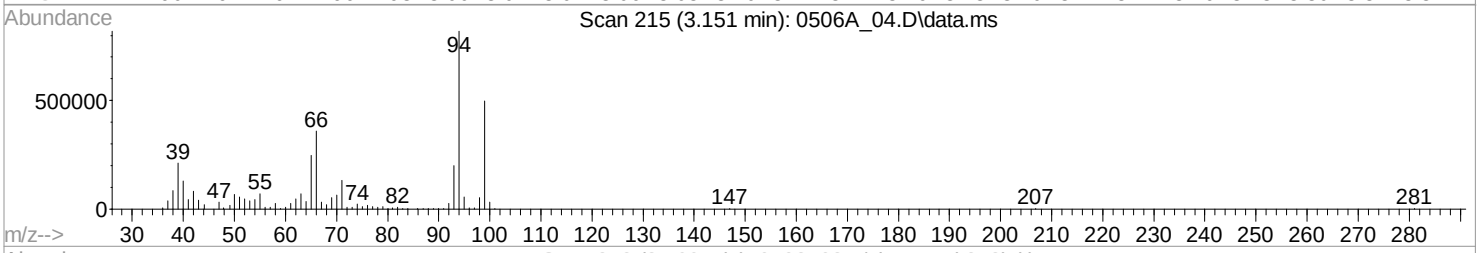
Ion	Exp%	Act%
94.10	100	100
66.10	33.40	43.82
65.10	26.10	29.90
39.10	24.50	25.57

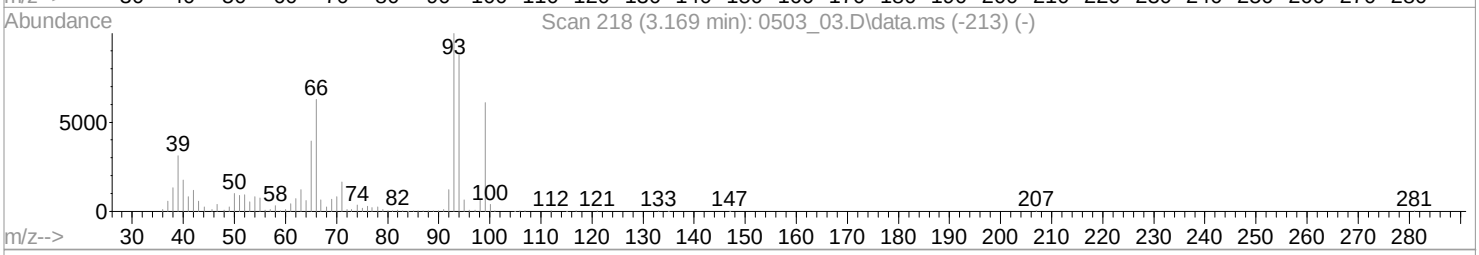
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 15:46:52 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_04.D\data.ms

(8) Phenol (MC)

3.151min (-0.018) 11662.7099573 ppb m

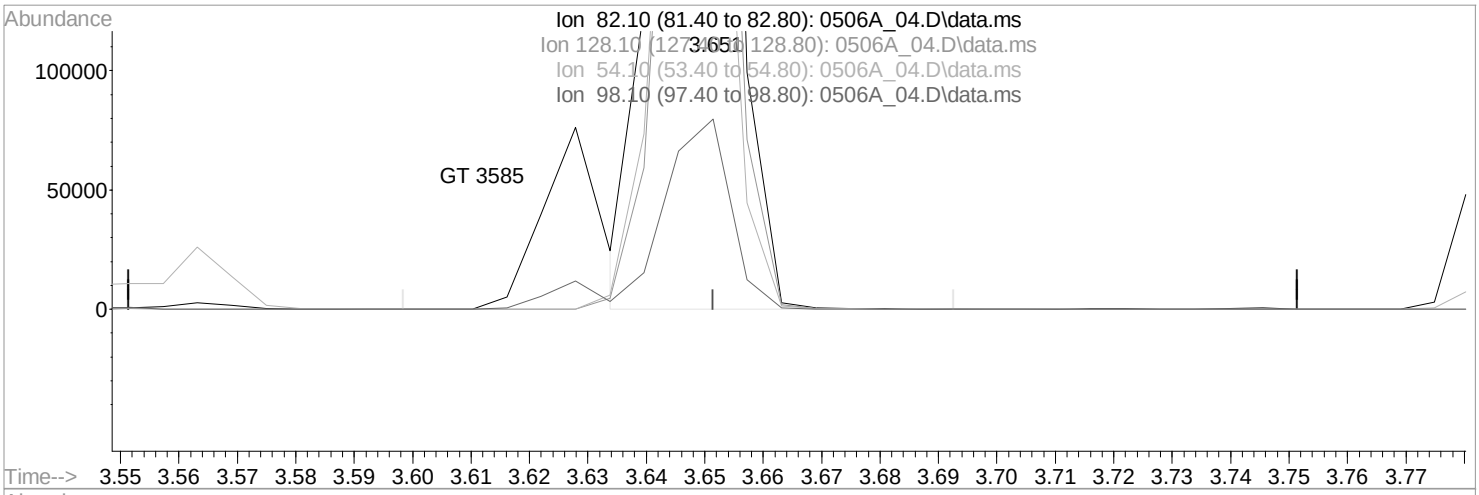
response 663620

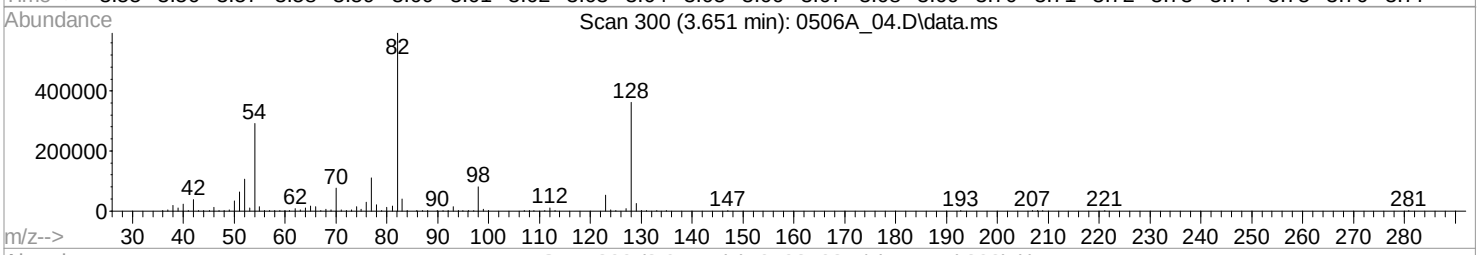
Ion	Exp%	Act%
94.10	100	100
66.10	33.40	43.82
65.10	26.10	29.90
39.10	24.50	25.66

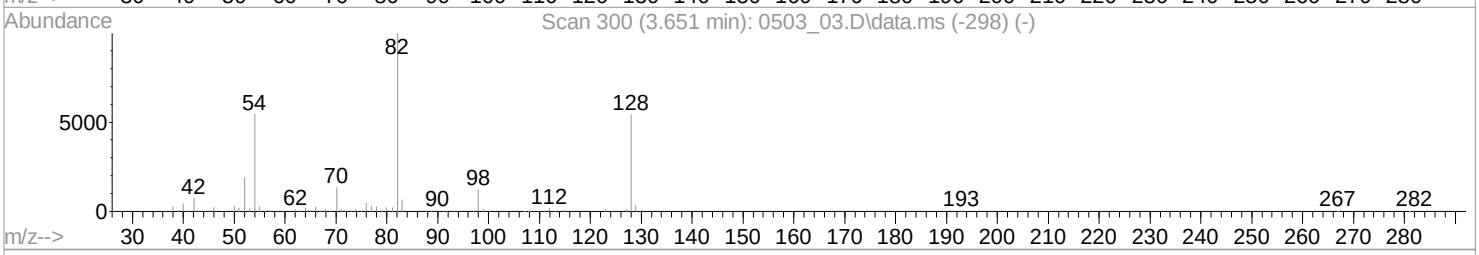
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 15:46:52 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_04.D\data.ms

(24) Nitrobenzene-d5 (S)

3.651min (-0.000) 9297.7641229 ppb m

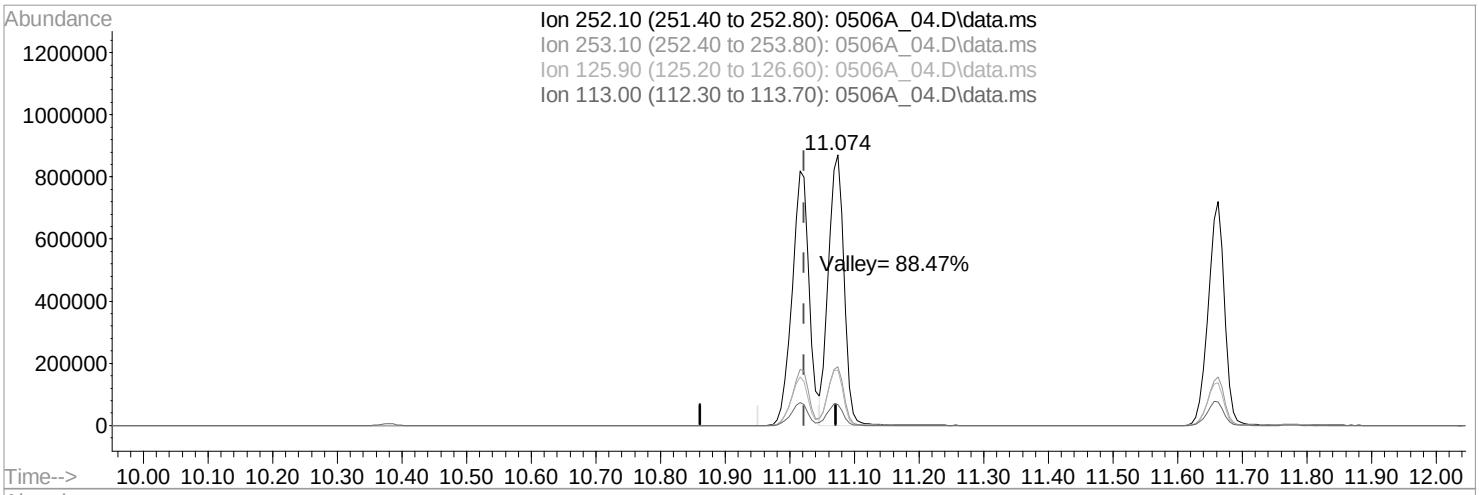
response 483215

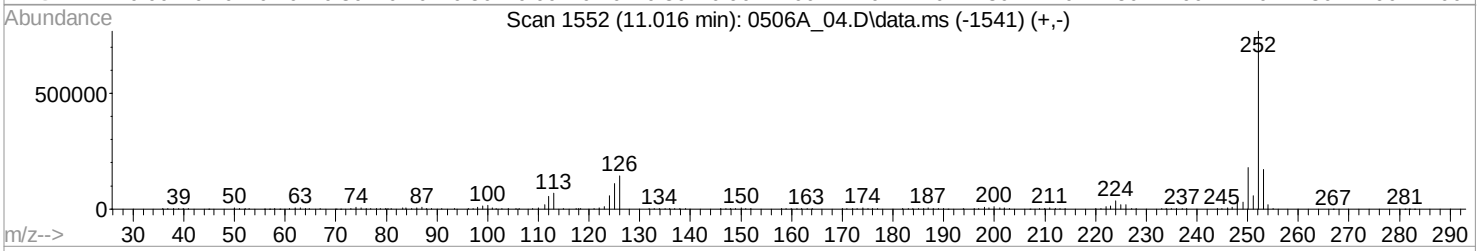
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	61.12
54.10	54.80	49.20
98.10	11.60	13.42

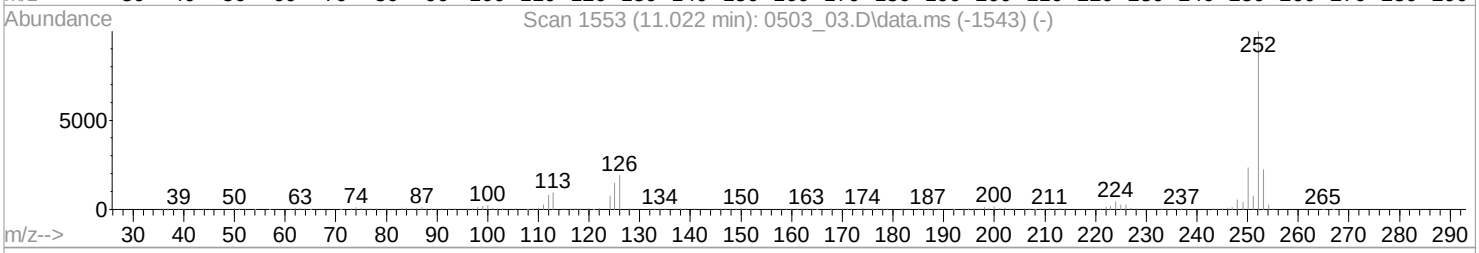
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 15:46:52 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_04.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.016min (-0.006) 11637.1244527 ppb

Qvalue = 100

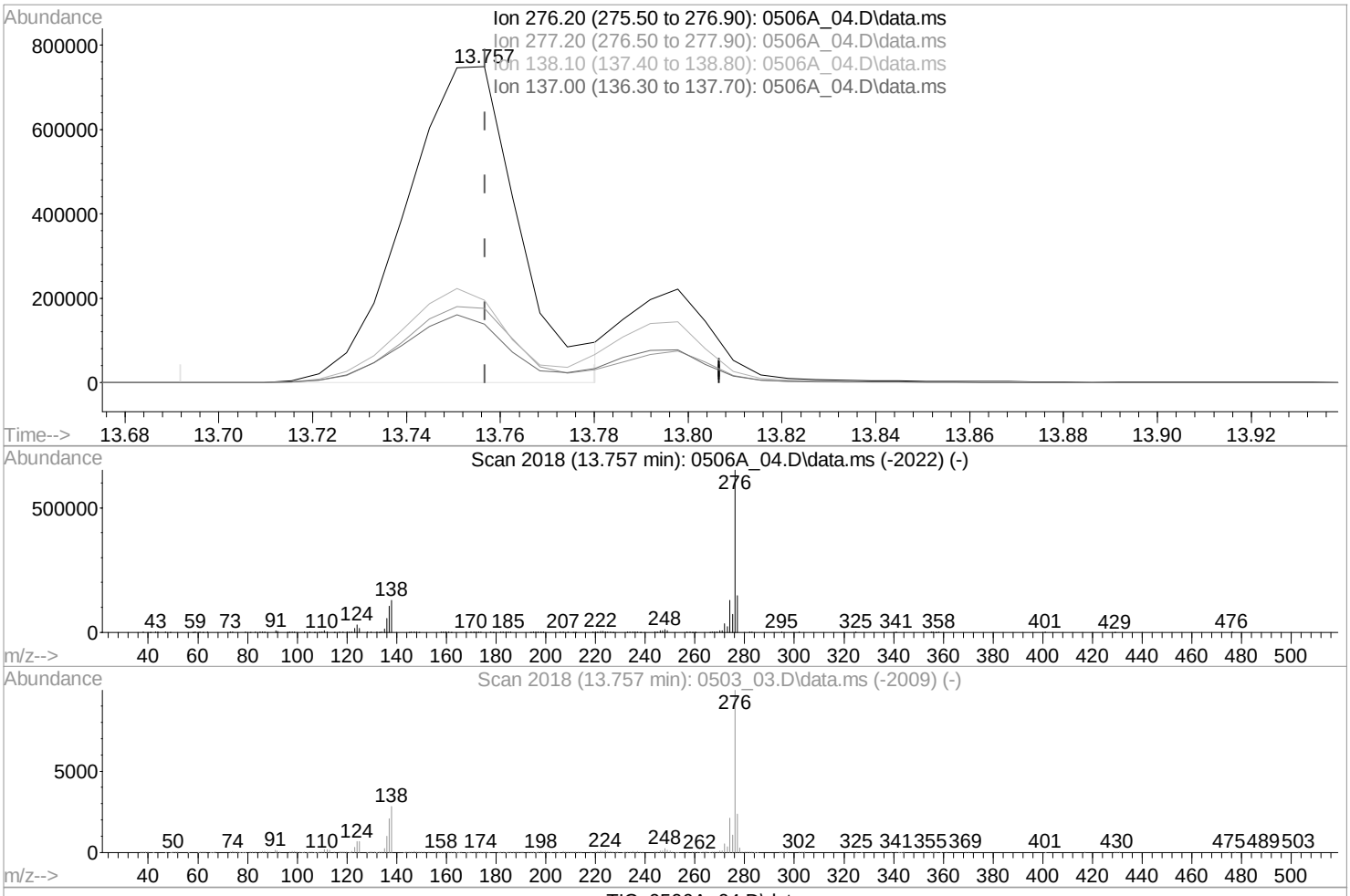
response 1490760

Ion	Exp%	Act%
252.10	100	100
253.10	22.10	21.96
125.90	18.50	18.72
113.00	8.80	8.86

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 15:46:52 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0506A_04.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

13.757min (-0.000) 11648.1046006 ppb

Qvalue = 95

response 1255058

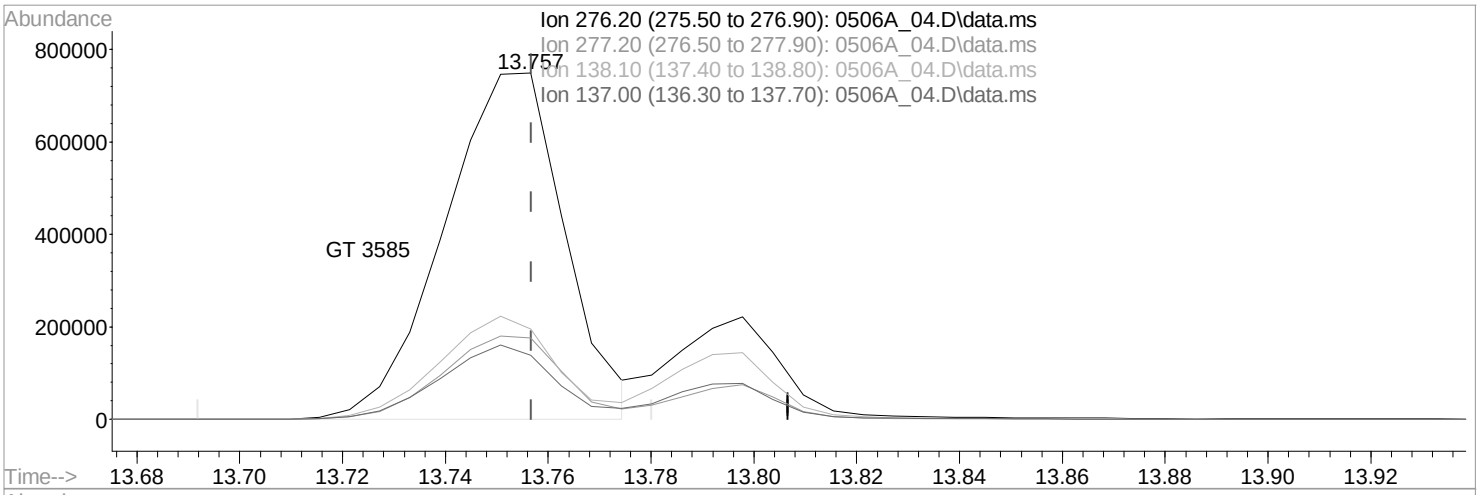
Ion	Exp%	Act%
276.20	100	100
277.20	24.10	23.58
138.10	30.00	26.07
137.00	21.20	18.43

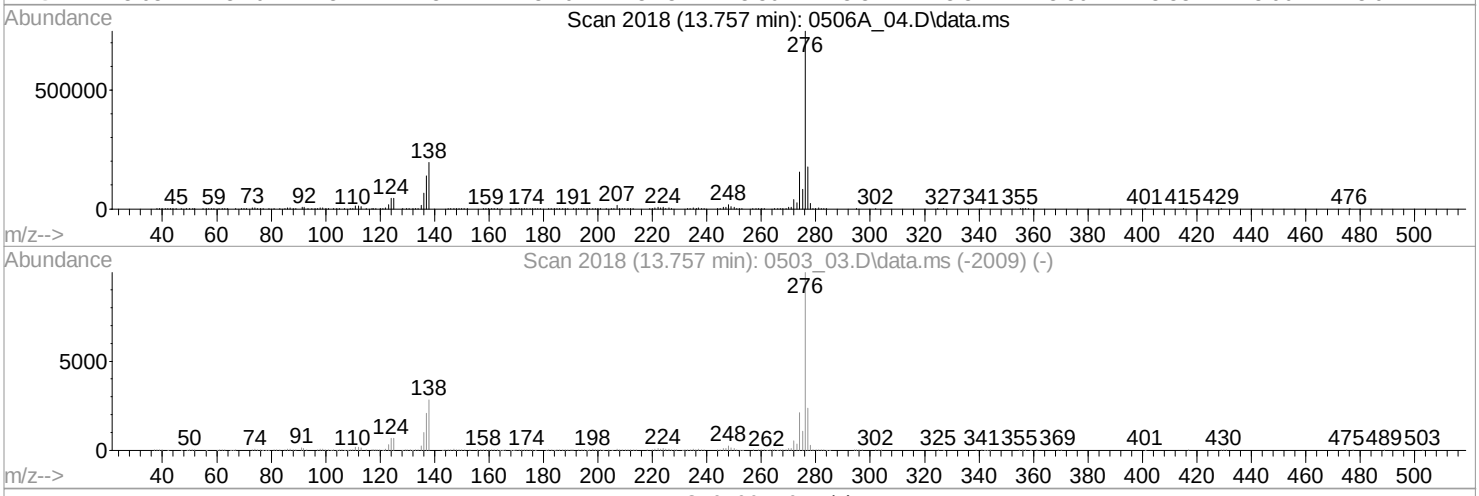
ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
Pace Analytical - Minnesota	10606563	L1488631	05/31/22 16:02	376 of 459

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 04.D
Acq On : 6 May 2022 3:23 pm
Operator : 917
Sample : ICV SVMS 10K ppb 22E13753 exp 8/25/22
Misc : SVMS CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 3 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 15:46:52 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M





TIC: 0506A_04.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

13.757min (-0.000) 11329.1283405 ppb m

response 1220689

Ion	Exp%	Act%
276.20	100	100
277.20	24.10	23.58
138.10	30.00	26.07
137.00	21.20	18.43

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488631	**Calibration (begin) date/time:**	02/11/22 11:40
Instrument ID:	BNAMS20	**Calibration (end) date/time:**	02/11/22 17:52
Lab File ID:	0506A_05-1	**Analysis date/time:**	05/06/22 15:45
Analytical Method:	8270E	**Sample ID:**	ICV

Analyte	Avg. RRF	RRF	Min. RRF	Diff. %	Max Diff. %	True Value mg/l	Result mg/l	Result % Rec.	Limits %
BENZOIC ACID	0.154570	0.22462390		45.30		10	14.53	145	

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 05.D
Acq On : 6 May 2022 3:45 pm
Operator : 917
Sample : ICV TCL 10K1 ppb 22D19628 exp 09/10/22
Misc : TCL CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 16:52:26 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

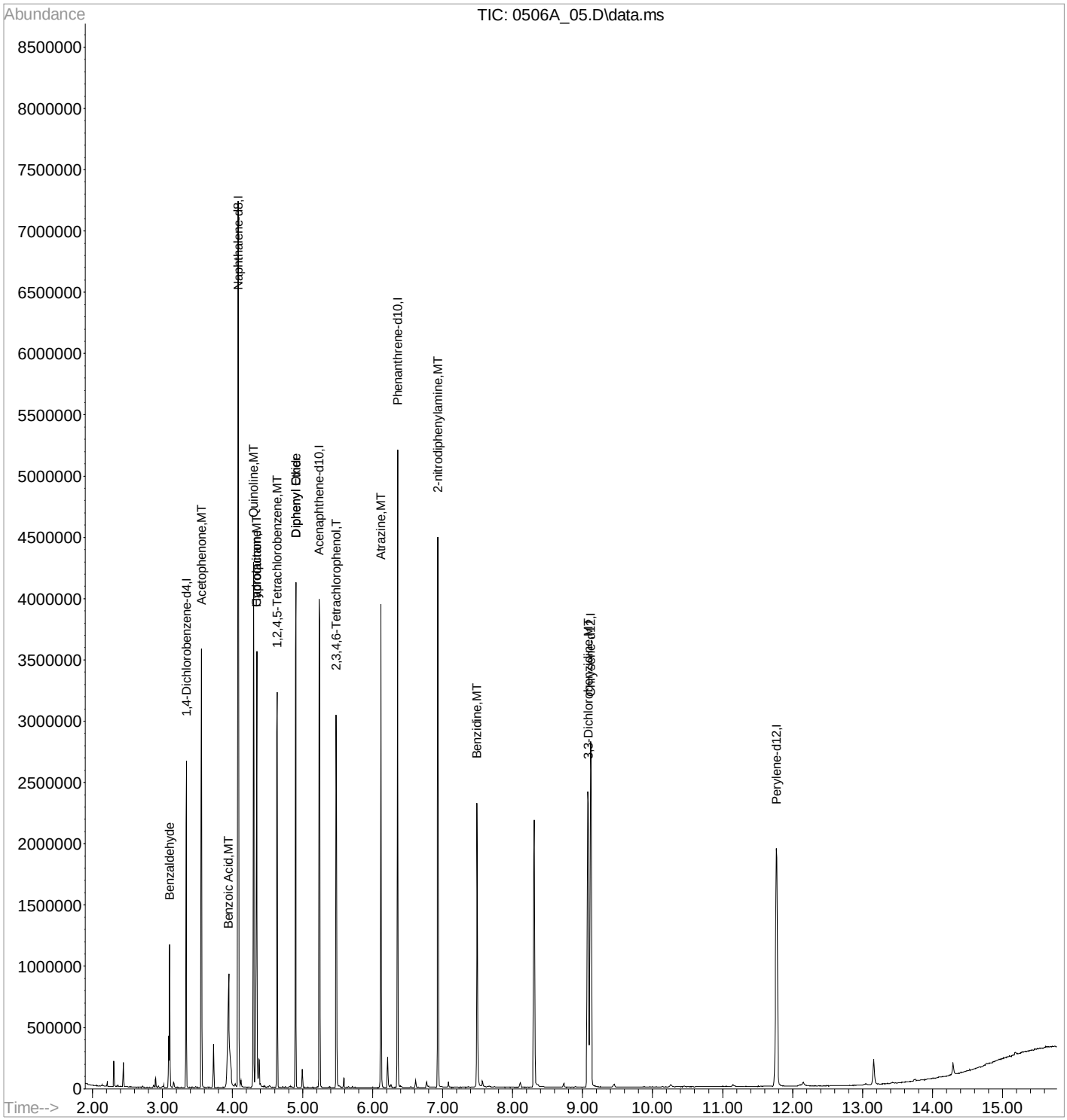
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.340	152	332094	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.081	136	1554470	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.239	164	784657	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.357	188	1467285	8000.0000000	ppb		0.00
84) Chrysene-d12	9.116	240	1251516	8000.0000000	ppb		0.00
94) Perylene-d12	11.768	264	1158519	8000.0000000	ppb		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
7) Phenol-d5	0.000	99	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#			
24) Nitrobenzene-d5	0.000	82	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#			
50) 2-Fluorobiphenyl	0.000	172	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0d	0.0000000	ppb		
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#			
87) p-Terphenyl-d14	0.000	244	0d	0.0000000	ppb		
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#			
Target Compounds							Qvalue
9) Benzaldehyde	3.104	105	178166	12211.8764388	ppb	#	90
22) Acetophenone	3.557	105	763988	11256.8994498	ppb		92
31) Benzoic Acid	3.945	105	436464	14532.1828348	ppb	#	66
37) Hydroquinone	4.345	110	633298	12481.0999661	ppb		93
38) Quinoline	4.298	129	1176905	11109.3082682	ppb		99
39) Caprolactam	4.345	113	219965	13676.9160979	ppb	#	83
43) 1,2,4,5-Tetrachloroben...	4.640	216	489711	11946.2767194	ppb		99
44) Diphenyl Ether	4.904	170	750814	11523.4104535	ppb	#	90
45) Diphenyl Oxide	4.904	170	750814	11523.4104535	ppb	#	90
62) 2,3,4,6-Tetrachlorophenol	5.481	232	310865	13512.5348052	ppb		97
69) Atrazine	6.122	200	372622	12229.1711727	ppb	#	81
82) 2-nitrodiphenylamine	6.933	167	499684	11134.4580677	ppb		94
85) Benzidine	7.492	184	862325	9201.3777976	ppb	#	100
89) 3,3-Dichlorobenzidine	9.080	252	703154	11894.3318041	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 05.D
Acq On : 6 May 2022 3:45 pm
Operator : 917
Sample : ICV TCL 10K1 ppb 22D19628 exp 09/10/22
Misc : TCL CAL ISTD 22D16229 exp 10/16/22
ALS Vial : 4 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 06 16:52:26 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488631	**Calibration (begin) date/time:**	03/18/22 16:44
Instrument ID:	BNAMS33	**Calibration (end) date/time:**	03/18/22 22:47
Lab File ID:	0318_024-1	**Analysis date/time:**	03/18/22 23:08
Analytical Method:	8270E	**Sample ID:**	SSCV

Analyte	Avg. RRF	RRF	Min. RRF	Diff.	Max Diff.	True Value	Result	Result	Limits
				%	%	mg/l	mg/l	% Rec.	%
1-METHYLNAPHTHALENE	0.650153	0.674428		3.73		10	10.37	104	50 - 150
2-METHYLNAPHTHALENE	0.689979	0.69706590		1.03		10	10.10	101	50 - 150
3&4-METHYL PHENOL	1.327309	1.350290		1.73		10	10.17	102	50 - 150
ACENAPHTHENE	1.182364	1.192427		0.8510		10	10.09	101	80 - 120
ACENAPHTHYLENE	1.748797	1.838987		5.16		10	10.52	105	50 - 150
ANTHRACENE	1.061563	1.070623		0.8530		10	10.09	101	50 - 150
BENZO(A)ANTHRACENE	1.278651	1.216834		4.83		10	9.987	99.90	50 - 150
BENZO(A)PYRENE	1.011749	1.143321		13		10	11.30	113	80 - 120
BENZO(B)FLUORANTHENE	1.162737	1.214898		4.49		10	10.45	104	50 - 150
BENZO(G,H,I)PERYLENE	1.059556	1.146797		8.23		10	10.82	108	50 - 150
BENZO(K)FLUORANTHENE	1.167378	1.237305		5.99		10	10.60	106	50 - 150
BIS(2-ETHYLHEXYL)PHTHALATE	0.796163	0.84530160		6.17		10	10.62	106	50 - 150
CARBAZOLE	0.985792	1.066176		8.15		10	10.82	108	50 - 150
CHRYSENE	1.176226	1.211541		3		10	10.30	103	50 - 150
DI-N-BUTYL PHTHALATE	1.167826	1.264867		8.31		10	10.83	108	50 - 150
DI-N-OCTYL PHTHALATE	1.277284	1.364473		6.83		10	10.68	107	80 - 120
DIBENZ(A,H)ANTHRACENE	1.069078	1.116528		4.44		10	10.44	104	50 - 150
DIBENZOFURAN	1.637224	1.667051		1.82		10	10.18	102	50 - 150
FLUORANTHENE	1.135933	1.157113		1.86		10	10.19	102	80 - 120
FLUORENE	1.381007	1.433541		3.80		10	10.38	104	50 - 150
INDENO(1,2,3-CD)PYRENE	1.001150	1.055833		5.46		10	10.55	106	50 - 150
NAPHTHALENE	1.020046	1.025427		0.5280		10	10.05	101	50 - 150
PENTACHLOROPHENOL	0.111668	0.14629980		31		10	10.85	109	80 - 120
PHENANTHRENE	1.073836	1.083353		0.8860		10	10.09	101	50 - 150
PHENOL	1.534228	1.568729		2.25		10	10.22	102	80 - 120
PYRENE	1.297608	1.322350		1.91		10	10.19	102	50 - 150
2,4,6-TRIBROMOPHENOL	0.103844	0.09889706		4.76		10	9.524	95.20	50 - 150
2-FLUOROBIPHENYL	1.339365	1.302001		2.79		10	9.721	97.20	50 - 150
2-FLUOROPHENOL	1.198747	1.185093		1.14		10	9.886	98.90	50 - 150
NITROBENZENE-D5	0.330762	0.32377270		2.11		10	9.789	97.90	50 - 150
P-TERPHENYL-D14	1.038484	0.99707220		3.99		10	9.601	96	50 - 150
PHENOL-D5	1.525585	1.482065		2.85		10	9.715	97.20	50 - 150

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_024.D
Acq On : 18 Mar 2022 11:08 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 22C18419 exp 06/30/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 23 09:19:27 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.422	152	190410	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.175	136	734839	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.357	164	429406	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.493	188	802216	8000.0000000 ppb	0.00
84) Chrysene-d12	9.392	240	728610	8000.0000000 ppb	0.00
94) Perylene-d12	12.157	264	712573	8000.0000000 ppb	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.728	112	282067	9886.0968366 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 247.15%#		
7) Phenol-d5	3.187	99	352750	9714.7325204 ppb	0.00
Spiked Amount 4000.000	Range 10 - 120		Recovery = 242.87%#		
24) Nitrobenzene-d5	3.734	82	297401m	9788.7043882 ppb	0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 489.44%#		
50) 2-Fluorobiphenyl	4.869	172	698859	9721.0327029 ppb	0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 486.05%#		
73) 2,4,6-Tribromophenol	5.946	330	99171	9523.5855936 ppb	0.00
Spiked Amount 4000.000	Range 10 - 153		Recovery = 238.09%#		
87) p-Terphenyl-d14	7.945	244	908096	9601.2254553 ppb	0.00
Spiked Amount 2000.000	Range 29 - 141		Recovery = 480.06%#		
Target Compounds					Qvalue
2) Pyridine	2.175	79	306713	10484.0981126 ppb	98
3) N-Nitrosodimethylamine	2.146	42	124737	9821.7673635 ppb	99
5) Aniline	3.234	66	151991	10353.7827535 ppb	96
6) bis(2-Chloroethyl)ether	3.257	93	298041m	10354.9982865 ppb	
8) Phenol	3.193	94	373377	10224.8746493 ppb	99
10) 2-Chlorophenol	3.305	128	334532	10396.5787959 ppb	98
11) n-Decane	3.305	41	132122	10154.4996767 ppb	100
12) 1,3-Dichlorobenzene	3.393	146	363191	10363.9841106 ppb	99
13) 1,4-Dichlorobenzene	3.434	146	367283	10178.4096006 ppb	99
14) Benzyl Alcohol	3.481	79	249970	10287.4699631 ppb	99
15) 1,2-Dichlorobenzene	3.522	146	346307	10247.7800432 ppb	98
16) bis(2-Chloroisopropyl)...	3.557	121	111758	10281.5706989 ppb	98
17) 2,2-oxybis(1-chloropro...	3.557	121	111758	10281.5706989 ppb	98
18) 2-Methylphenol	3.534	108	289046	10440.8842908 ppb	99
19) Hexachloroethane	3.716	117	141655	10124.9932451 ppb	98
20) N-Nitrosodi-n-propylamine	3.634	70	211298	10194.6191409 ppb	99
21) 3&4-Methyl phenol	3.622	107	321386	10173.1420889 ppb	99
25) Nitrobenzene	3.746	77	312537	10366.2315165 ppb	99
26) Isophorone	3.881	82	570415	9876.8584404 ppb	98
27) 2-Nitrophenol	3.934	139	167687	10715.4164140 ppb	99
28) 2,4-Dimethylphenol	3.940	107	324827	10241.0445705 ppb	99
29) bis(2-Chlorethoxy)methane	3.999	93	372865	10431.9011008 ppb	99
30) 2,4-Dichlorophenol	4.075	162	271913	10325.3013206 ppb	98
32) 1,2,4-Trichlorobenzene	4.134	180	302153	10092.6816195 ppb	99
34) Naphthalene	4.187	128	941905	10052.7510638 ppb	100
35) 4-Chloroaniline	4.210	65	101344	10193.1664644 ppb	99
36) Hexachloro-1,3-butadiene	4.257	225	188497	10808.6861002 ppb	99

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_024.D
Acq On : 18 Mar 2022 11:08 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 22C18419 exp 06/30/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 23 09:19:27 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration

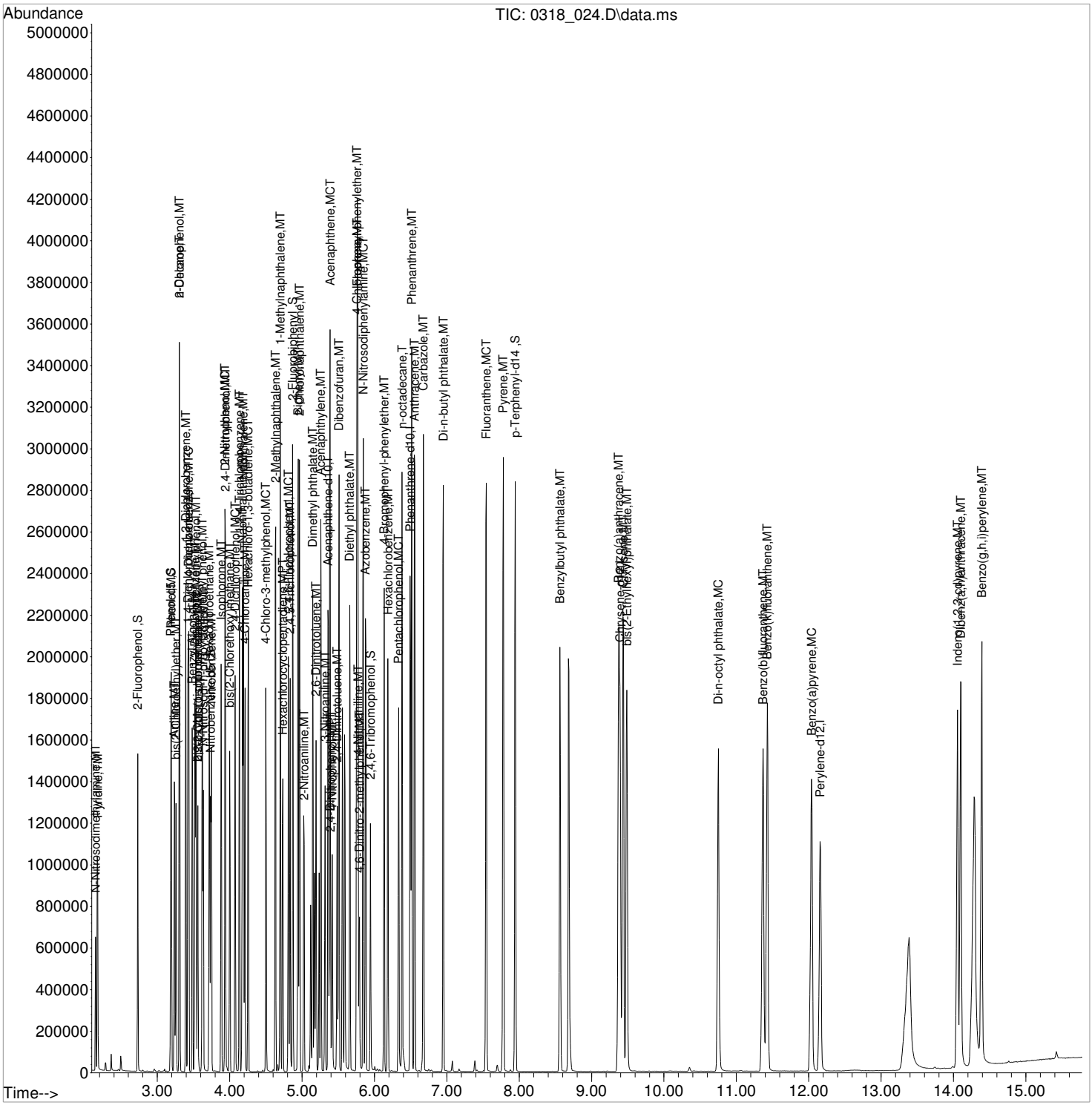
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40) 4-Chloro-3-methylphenol	4.499	107	266585	10311.2385186 ppb		98
41) 2-Methylnaphthalene	4.634	142	640289	10102.7056500 ppb		98
42) 1-Methylnaphthalene	4.699	142	619495	10373.3814771 ppb		100
47) Hexachlorocyclopentadiene	4.734	237	172296	7857.9346004 ppb		99
48) 2,4,6-Trichlorophenol	4.810	196	199710	10545.3828830 ppb		96
49) 2,4,5-Trichlorophenol	4.834	196	204637	10082.5453204 ppb		98
51) Biphenyl	4.946	154	771960	9763.5404840 ppb		100
52) 2-Chloronaphthalene	4.963	162	625050	10305.4013304 ppb		99
53) 2-Nitroaniline	5.028	138	209293	10610.1648953 ppb		100
54) Acenaphthylene	5.257	152	987090	10515.7261713 ppb		99
55) Dimethyl phthalate	5.146	163	701508	9973.1612462 ppb		99
56) 2,6-Dinitrotoluene	5.193	165	164832	10744.5228283 ppb		97
57) 3-Nitroaniline	5.316	138	182602	10712.8038395 ppb		99
58) Acenaphthene	5.387	153	640044	10085.1046788 ppb		99
59) 2,4-Dinitrophenol	5.393	184	75004	9790.3108179 ppb	#	48
60) Dibenzofuran	5.510	168	894802	10182.1797924 ppb		99
61) 2,4-Dinitrotoluene	5.487	165	215123	10747.9854994 ppb		98
63) 4-Nitrophenol	5.416	139	143471	10662.4662570 ppb		96
64) Fluorene	5.763	166	769464	10380.4026489 ppb		100
65) 4-Chlorophenyl-phenyle...	5.757	204	362265	10055.9596834 ppb		99
66) Diethyl phthalate	5.657	149	709823	10168.7138140 ppb		98
67) 4-Nitroaniline	5.775	138	201950	11027.5060927 ppb		99
68) Azobenzene	5.875	77	698548	10158.1232451 ppb		99
71) 4,6-Dinitro-2-methylph...	5.793	198	99853	9530.5379348 ppb	#	90
72) N-Nitrosodiphenylamine	5.846	169	634060	10239.5420589 ppb		100
74) 4-Bromophenyl-phenylether	6.134	248	212490	10202.0347034 ppb		93
75) Hexachlorobenzene	6.187	284	233632	10149.5069710 ppb		99
76) n-octadecane	6.381	55	86919	9891.8545576 ppb		99
77) Pentachlorophenol	6.334	266	146705	10845.7167381 ppb		99
78) Phenanthrene	6.516	178	1086354	10088.6317341 ppb		100
79) Anthracene	6.557	178	1073589	10085.3515846 ppb		100
80) Carbazole	6.675	167	1069129	10815.4277447 ppb		100
81) Di-n-butyl phthalate	6.951	149	1268371	10830.9571063 ppb		99
83) Fluoranthene	7.545	202	1160318	10186.4520180 ppb		100
86) Pyrene	7.781	202	1204347	10190.6718420 ppb		100
88) Benzylbutyl phthalate	8.563	149	539968	10644.5397048 ppb		98
90) Benzo(a)anthracene	9.375	228	1108247	9986.7482728 ppb		99
91) Chrysene	9.440	228	1103426	10300.2430660 ppb		99
92) bis(2-Ethylhexyl)phtha...	9.487	149	769869	10617.1861074 ppb		100
93) Di-n-octyl phthalate	10.751	149	1242711	10682.6178633 ppb		100
95) Benzo(b)fluoranthene	11.369	252	1082129	10448.6027405 ppb		99
96) Benzo(k)fluoranthene	11.428	252	1102088	10599.0108124 ppb		99
97) Benzo(a)pyrene	12.039	252	1018375	11300.4473737 ppb		99
98) Indeno(1,2,3-cd)pyrene	14.057	276	940448	10546.2028860 ppb		98
99) Dibenz(a,h)anthracene	14.104	278	994510	10443.8412997 ppb		99
100) Benzo(g,h,i)perylene	14.392	276	1021471	10823.3731561 ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_024.D
Acq On : 18 Mar 2022 11:08 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 22C18419 exp 06/30/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 21 Sample Multiplier: 1

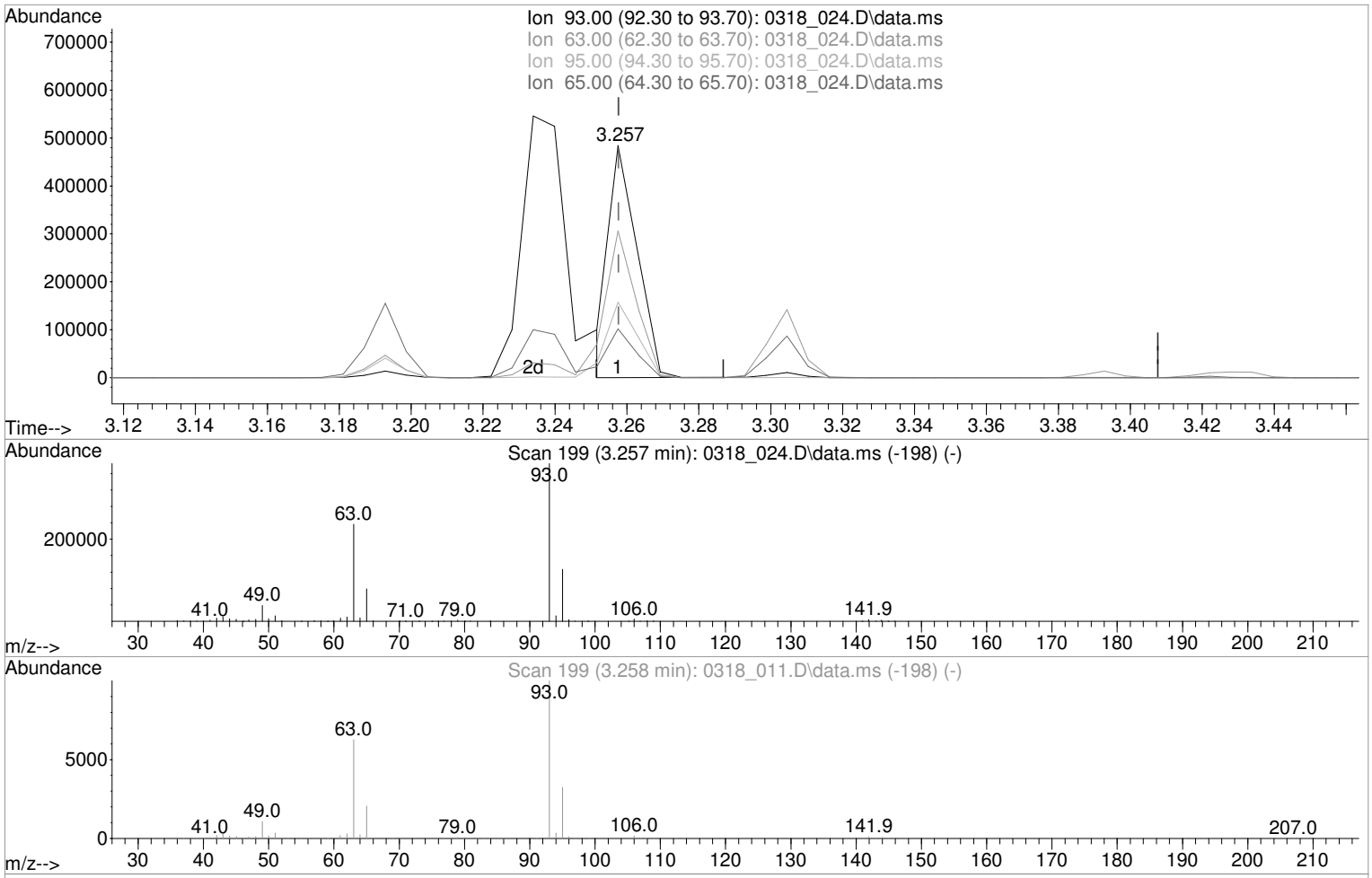
Quant Time: Mar 23 09:19:27 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_024.D
Acq On : 18 Mar 2022 11:08 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 22C18419 exp 06/30/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 23 09:19:27 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration



TIC: 0318_024.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.257min (-0.000) 9121.1510837 ppb

Qvalue = 100

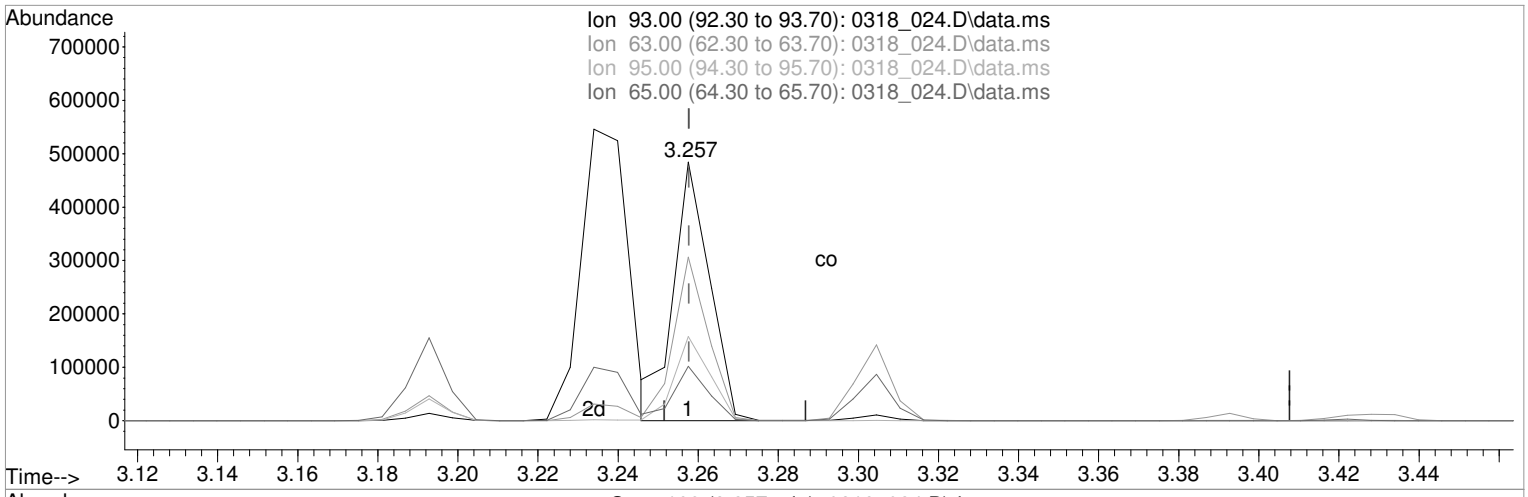
response 262528

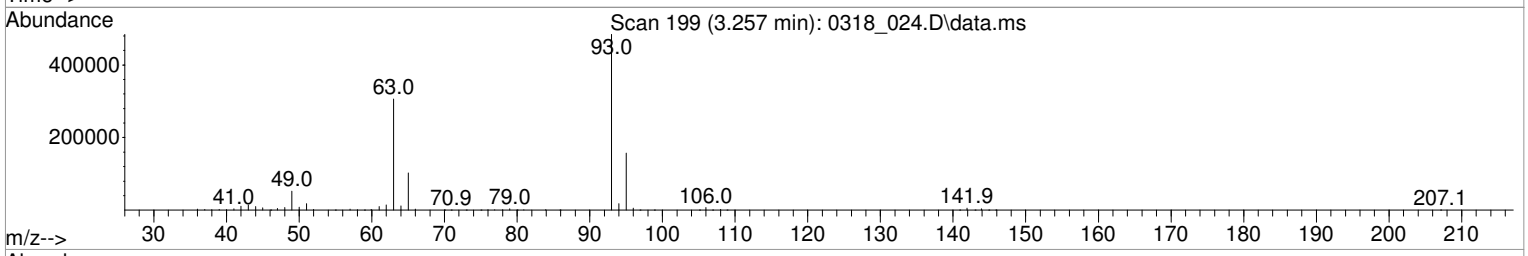
Ion	Exp%	Act%
93.00	100.00	100.00
63.00	63.50	63.24
95.00	32.10	32.55
65.00	21.10	21.05

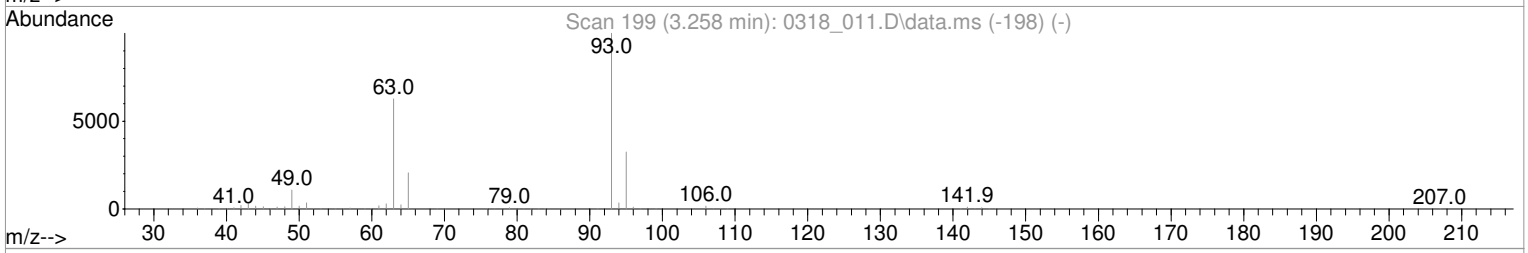
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_024.D
Acq On : 18 Mar 2022 11:08 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 22C18419 exp 06/30/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 23 09:19:27 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration







TIC: 0318_024.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.257min (-0.000) 10354.9982865 ppb m

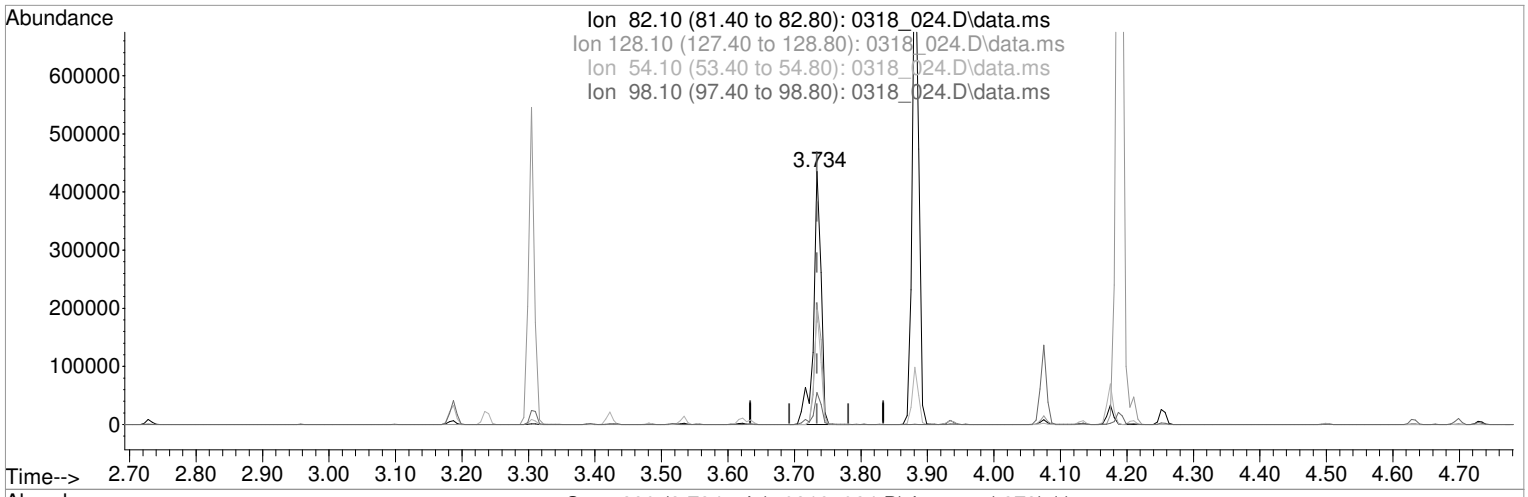
response 298041

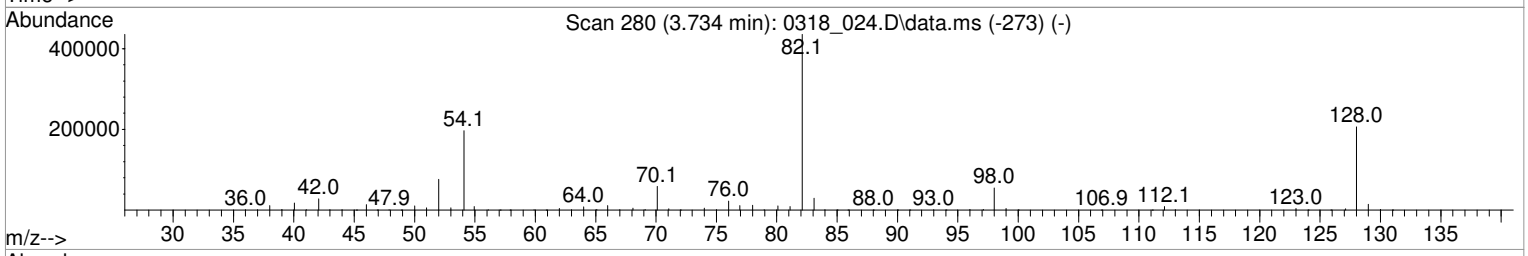
Ion	Exp%	Act%
93.00	100.00	100.00
63.00	63.50	63.20
95.00	32.10	32.53
65.00	21.10	21.09

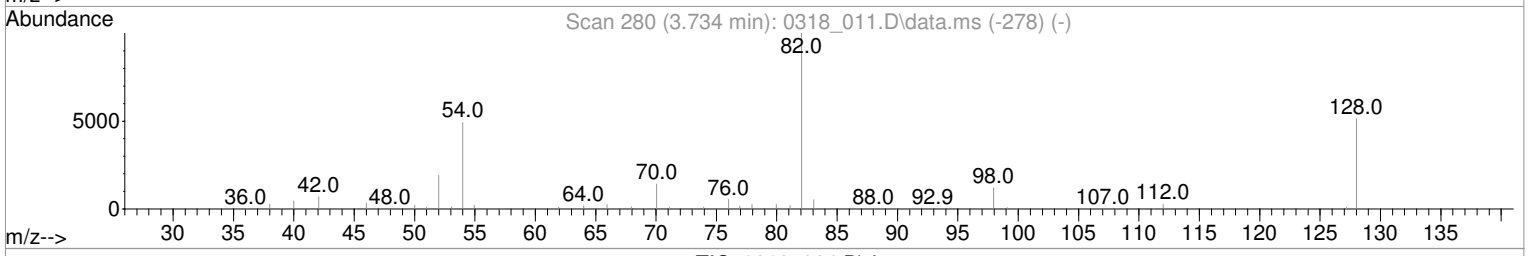
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_024.D
Acq On : 18 Mar 2022 11:08 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 22C18419 exp 06/30/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 23 09:19:27 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration







TIC: 0318_024.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (-0.000) 11223.0706093 ppb

Qvalue = 100

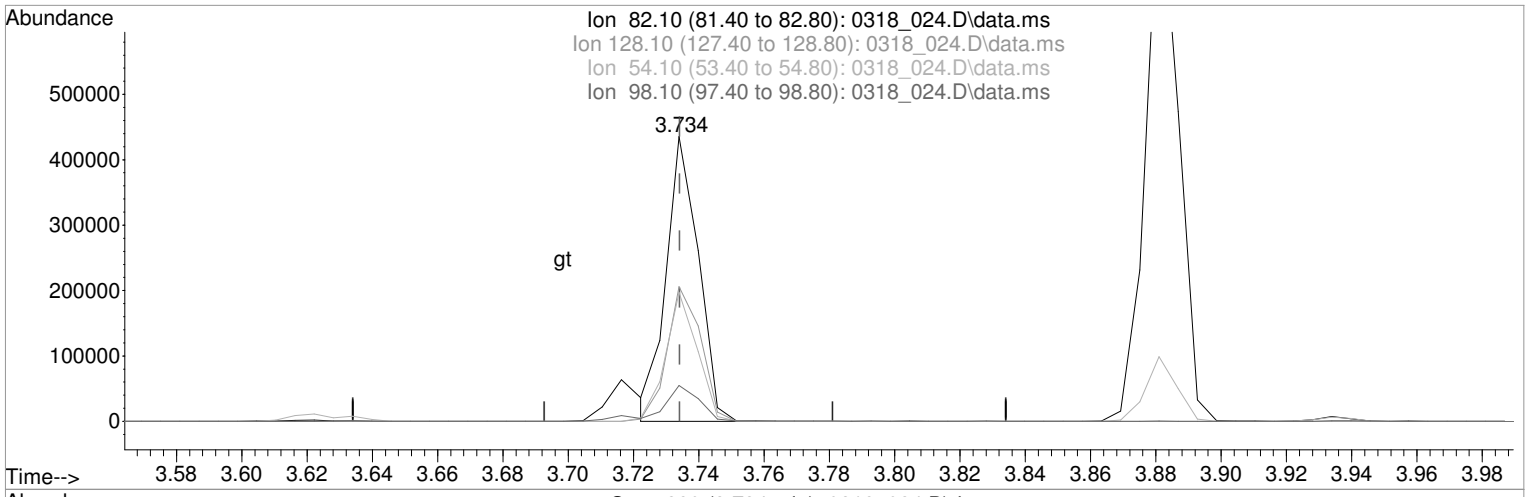
response 340980

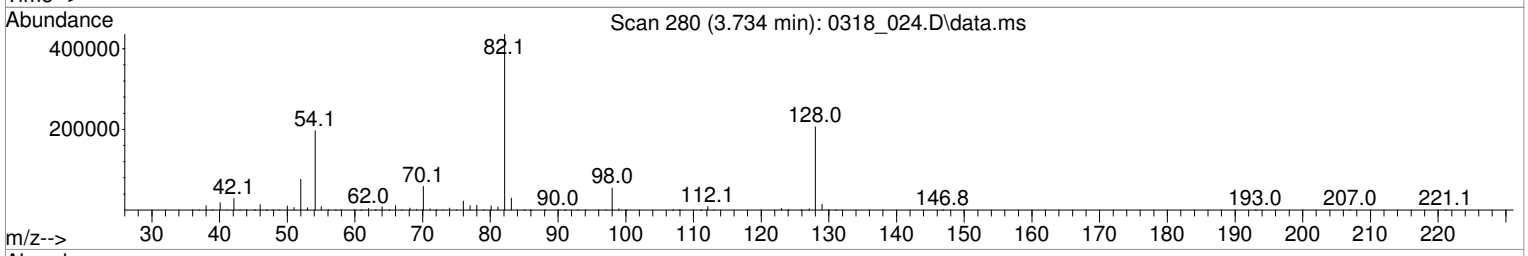
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	47.33
54.10	45.60	45.24
98.10	12.30	12.62

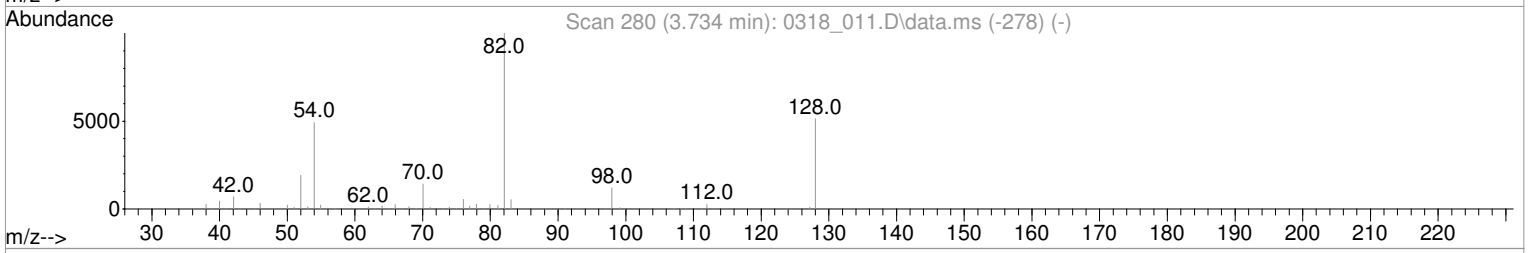
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_024.D
Acq On : 18 Mar 2022 11:08 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 22C18419 exp 06/30/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 23 09:19:27 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration







TIC: 0318_024.D\data.ms

(24) Nitrobenzene-d5 (S)

3.734min (-0.000) 9788.7043882 ppb m

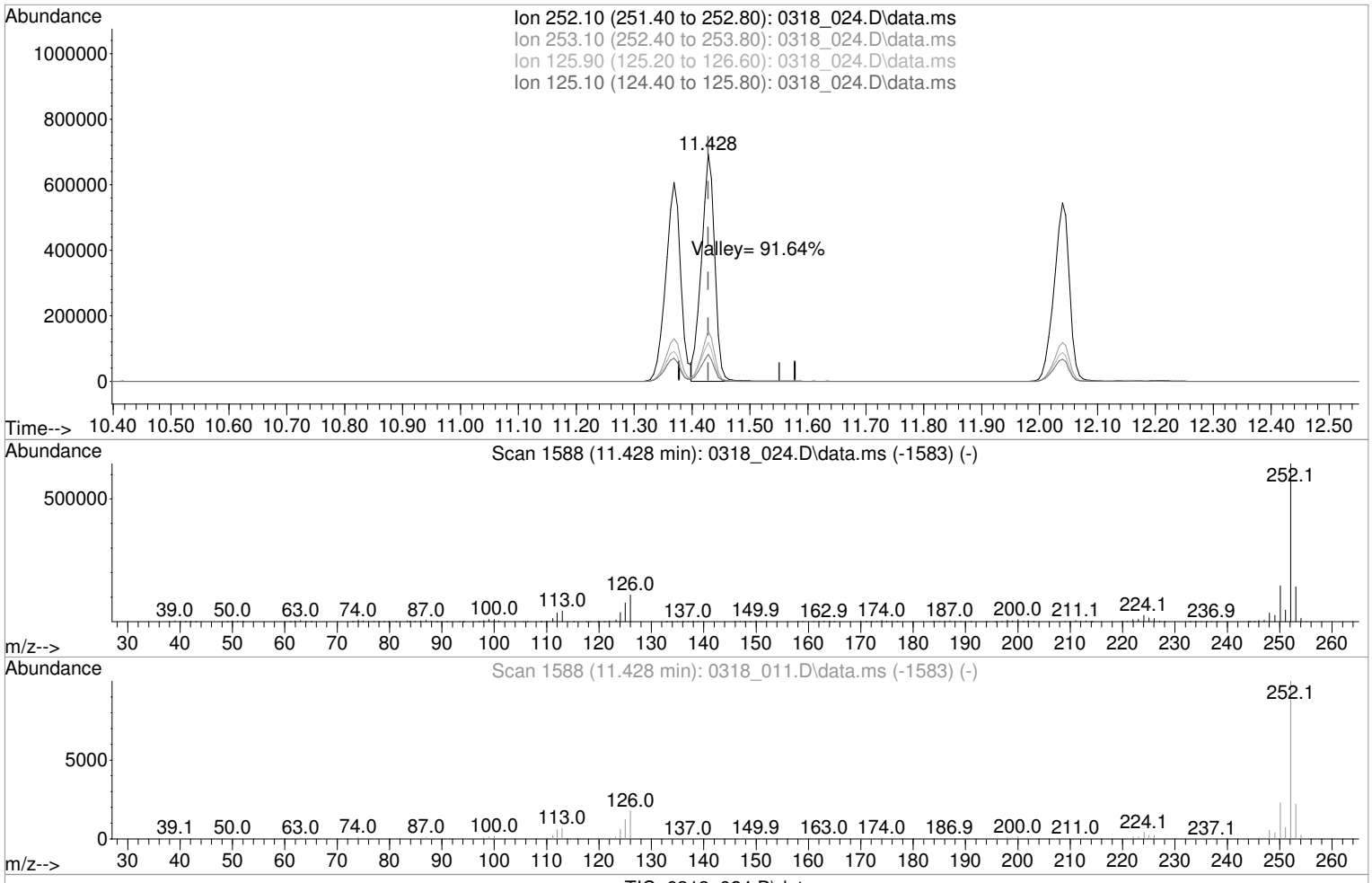
response 297401

Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	47.33
54.10	45.60	45.24
98.10	12.30	12.62

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_024.D
Acq On : 18 Mar 2022 11:08 pm
Operator : 917
Sample : SSCV SVMS 10K ppb 22C18419 exp 06/30/22
Misc : SVMS CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 23 09:19:27 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration



TIC: 0318_024.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.428min (-0.000) 10599.0108124 ppb

Qvalue = 99

response 1102088

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.10	22.09
125.90	17.80	17.11
125.10	12.20	11.89

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488631	**Calibration (begin) date/time:**	03/18/22 16:44
Instrument ID:	BNAMS33	**Calibration (end) date/time:**	03/18/22 22:47
Lab File ID:	0318_029-1	**Analysis date/time:**	03/23/22 11:21
Analytical Method:	8270E	**Sample ID:**	SSCV

Analyte	Avg. RRF	RRF	Min. RRF	Diff.	Max Diff.	True Value	Result	Result	Limits
				%	*%*	*mg/l*	*mg/l*	*% Rec.*	*%*
BENZOIC ACID	0.151556	0.15203780		0.3180		10	10.03	100	50 - 150

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_029.D
Acq On : 23 Mar 2022 11:21 am
Operator : 917
Sample : SSCV TCL 10K1 ppb 22C23005 exp 05/31/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 23 12:25:55 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration

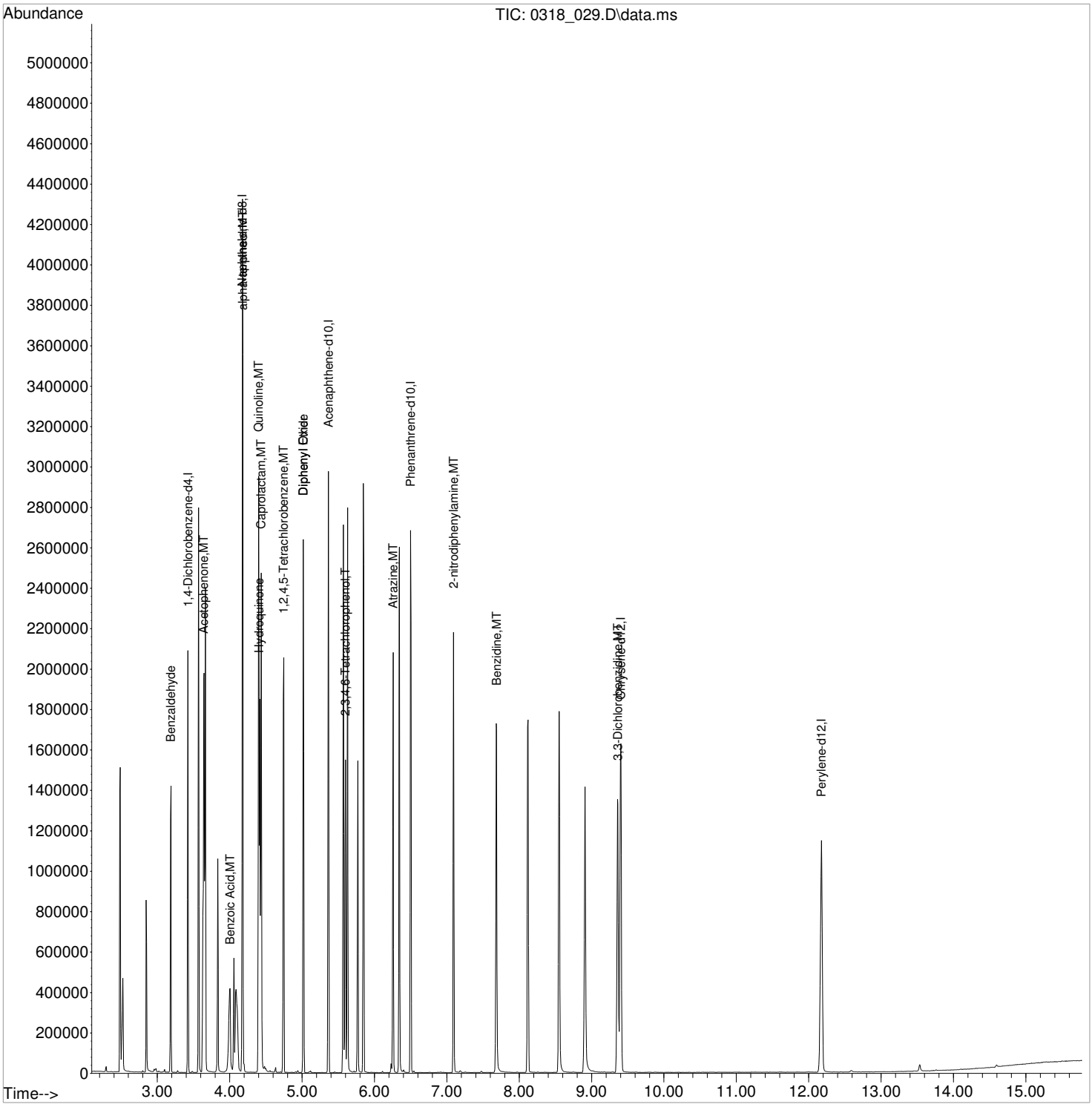
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	3.422	152	215126	8000.0000000 ppb	0.00
23) Naphthalene-d8	4.175	136	967033	8000.0000000 ppb	0.00
46) Acenaphthene-d10	5.364	164	473459	8000.0000000 ppb	0.00
70) Phenanthrene-d10	6.499	188	866636	8000.0000000 ppb	0.00
84) Chrysene-d12	9.405	240	770134	8000.0000000 ppb	0.02
94) Perylene-d12	12.175	264	739651	8000.0000000 ppb	0.02
System Monitoring Compounds					
4) 2-Fluorophenol	0.000	112	0d	0.0000000 ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#	
7) Phenol-d5	0.000	99	0	0.0000000 ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#	
24) Nitrobenzene-d5	0.000	82	0	0.0000000 ppb	
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#	
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000 ppb	
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#	
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000 ppb	
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#	
87) p-Terphenyl-d14	0.000	244	0	0.0000000 ppb	
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#	
Target Compounds					Qvalue
9) Benzaldehyde	3.187	105	225048	25512.3911193 ppb	99
22) Acetophenone	3.640	105	442396	9312.4770671 ppb #	85
31) Benzoic Acid	4.005	105	183782	10031.7920544 ppb	92
33) alpha-terpineol	4.181	59	221477	8978.4545480 ppb	90
37) Hydroquinone	4.405	110	178977m	5016.2505165 ppb	
38) Quinoline	4.399	129	674737	9719.7495186 ppb	99
39) Caprolactam	4.434	113	111271	9561.4555023 ppb #	49
43) 1,2,4,5-Tetrachloroben...	4.746	216	313455	9310.4240203 ppb	100
44) Diphenyl Ether	5.017	170	429354	9164.0816619 ug/ml	99
45) Diphenyl Oxide	5.017	170	429354	9164.0816619 ug/ml	99
62) 2,3,4,6-Tetrachlorophenol	5.599	232	155149	8997.6836571 ppb	95
69) Atrazine	6.258	200	202084	8622.8472517 ppb #	100
82) 2-nitrodiphenylamine	7.093	167	232157	8311.7341663 ppb	99
85) Benzidine	7.687	184	743889	12491.5063474 ppb #	100
89) 3,3-Dichlorobenzidine	9.363	252	414950	9575.1946821 ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_029.D
Acq On : 23 Mar 2022 11:21 am
Operator : 917
Sample : SSCV TCL 10K1 ppb 22C23005 exp 05/31/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 24 Sample Multiplier: 1

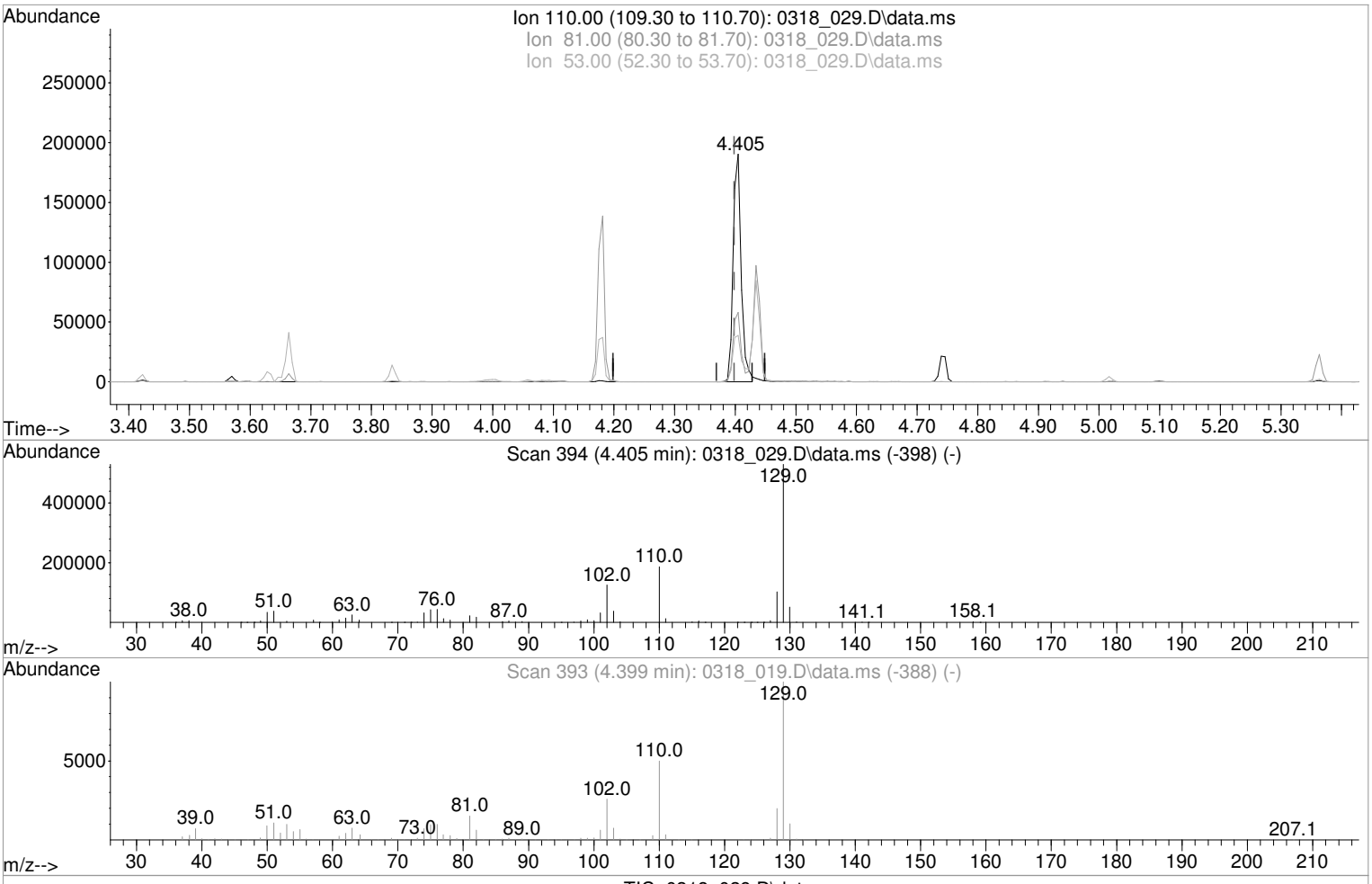
Quant Time: Mar 23 12:25:55 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_029.D
Acq On : 23 Mar 2022 11:21 am
Operator : 917
Sample : SSCV TCL 10K1 ppb 22C23005 exp 05/31/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 23 12:25:55 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration



TIC: 0318_029.D\data.ms

(37) Hydroquinone

4.405min (+ 0.006) 4950.6665241 ppb

Qvalue = 99

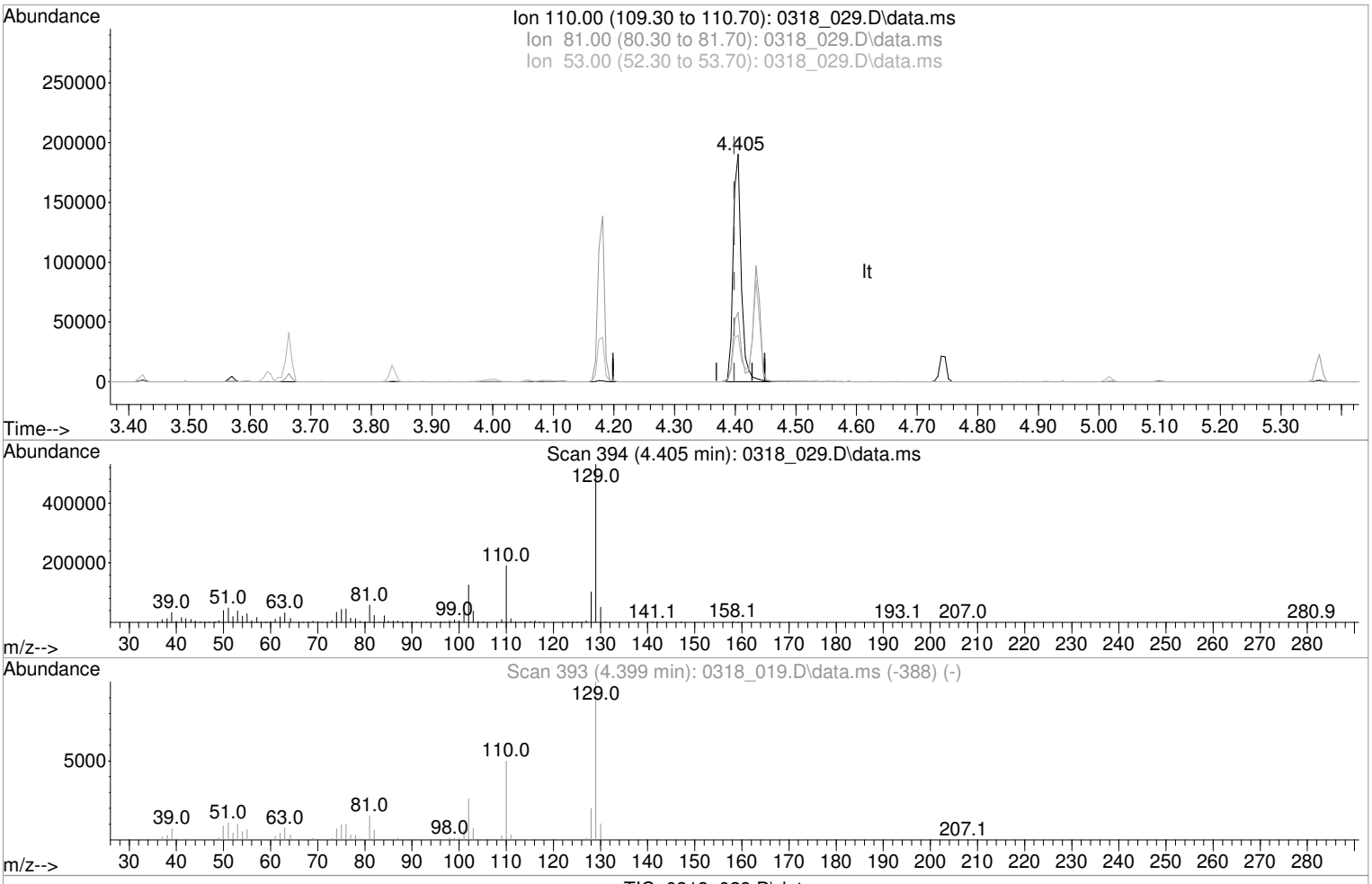
response 176637

Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	30.42
53.00	19.80	20.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\031822\
Data File : 0318_029.D
Acq On : 23 Mar 2022 11:21 am
Operator : 917
Sample : SSCV TCL 10K1 ppb 22C23005 exp 05/31/22
Misc : TCL CAL ISTD 22C18402 exp 09/18/22
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 23 12:25:55 2022
Quant Method : C:\GCMS\1\methods\S833C18V.M
Quant Title : 8270 BNA
QLast Update : Wed Mar 23 09:17:18 2022
Response via : Initial Calibration



TIC: 0318_029.D\data.ms

(37) Hydroquinone

4.405min (+ 0.006) 5016.2505165 ppb m

response 178977

Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	30.42
53.00	19.80	20.40
0.00	0.00	0.00

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488631	**Calibration (begin) date/time:**	03/18/22 16:44
Instrument ID:	BNAMS33	**Calibration (end) date/time:**	03/18/22 22:47
Lab File ID:	0505_03-1	**Analysis date/time:**	05/05/22 10:17
Analytical Method:	8270E	**Sample ID:**	ICV

Analyte	Avg. RRF	RRF	Min. RRF	Diff. %	Max Diff. %	True Value mg/l	Result mg/l	Result % Rec.	Limits %
1-METHYLNAPHTHALENE	0.650153	0.63900150		1.72		10	9.828	98.30	
2-METHYLNAPHTHALENE	0.689979	0.667798		3.21		10	9.679	96.80	
3&4-METHYL PHENOL	1.327309	1.330292		0.2250		10	10.02	100	
ACENAPHTHENE	1.182364	1.136713		3.86	20	10	9.614	96.10	
ACENAPHTHYLENE	1.748797	1.692444		3.22		10	9.678	96.80	
ANTHRACENE	1.061563	1.013854		4.49		10	9.551	95.50	
BENZO(A)ANTHRACENE	1.278651	1.154504		9.71		10	9.474	94.70	
BENZO(A)PYRENE	1.011749	1.016552		0.4750	20	10	10.05	101	
BENZO(B)FLUORANTHENE	1.162737	1.160285		0.2110		10	9.979	99.80	
BENZO(G,H,I)PERYLENE	1.059556	1.043714		1.50		10	9.850	98.50	
BENZO(K)FLUORANTHENE	1.167378	1.195023		2.37		10	10.24	102	
BIS(2-ETHYLHEXYL)PHTHALATE	0.796163	0.696471		12.50		10	8.748	87.50	
CARBAZOLE	0.985792	0.96967410		1.64		10	9.837	98.40	
CHRYSENE	1.176226	1.121402		4.66		10	9.534	95.30	
DI-N-BUTYL PHTHALATE	1.167826	1.112858		4.71		10	9.529	95.30	
DI-N-OCTYL PHTHALATE	1.277284	1.140692		10.70	20	10	8.931	89.30	
DIBENZ(A,H)ANTHRACENE	1.069078	1.029340		3.72		10	9.628	96.30	
DIBENZOFURAN	1.637224	1.604747		1.98		10	9.802	98	
FLUORANTHENE	1.135933	1.159375		2.06	20	10	10.21	102	
FLUORENE	1.381007	1.364269		1.21		10	9.879	98.80	
INDENO(1,2,3-CD)PYRENE	1.001150	0.94854680		5.25		10	9.475	94.80	
NAPHTHALENE	1.020046	0.98005470		3.92		10	9.608	96.10	
PENTACHLOROPHENOL	0.111668	0.14086770		26.10	20	10	10.45	104	80 - 120
PHENANTHRENE	1.073836	1.007490		6.18		10	9.382	93.80	
PHENOL	1.534228	1.571353		2.42	20	10	10.24	102	
PYRENE	1.297608	1.229508		5.25		10	9.475	94.80	
2,4,6-TRIBROMOPHENOL	0.103844	0.11292020		8.74		10	10.87	109	70 - 130
2-FLUOROBIPHENYL	1.339365	1.286162		3.97		10	9.603	96	70 - 130
2-FLUOROPHENOL	1.198747	1.169009		2.48		10	9.752	97.50	70 - 130
NITROBENZENE-D5	0.330762	0.36145210		9.28		10	10.93	109	70 - 130
P-TERPHENYL-D14	1.038484	0.98544630		5.11		10	9.489	94.90	70 - 130
PHENOL-D5	1.525585	1.563548		2.49		10	10.25	103	70 - 130

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_03.D
Acq On : 05 May 2022 10:17 am
Operator : 917
Sample : ICV SVMS 10K ppb 22C22891 exp 08/25/22
Misc : SVMS CAL ISTD 22C22755 exp 09/25/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 05 11:35:31 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.305	152	143708	8000.0000000 ppb		-0.02
23) Naphthalene-d8	4.052	136	551677	8000.0000000 ppb		-0.02
46) Acenaphthene-d10	5.222	164	336393	8000.0000000 ppb		-0.03
70) Phenanthrene-d10	6.352	188	672546	8000.0000000 ppb		-0.04
84) Chrysene-d12	9.140	240	655198	8000.0000000 ppb		-0.06
94) Perylene-d12	11.816	264	610792	8000.0000000 ppb		-0.08
System Monitoring Compounds						
4) 2-Fluorophenol	2.623	112	209995	9751.9247776 ppb		-0.02
Spiked Amount 4000.000	Range 10 - 120		Recovery = 243.80%#			
7) Phenol-d5	3.081	99	280868	10248.8442801 ppb		-0.01
Spiked Amount 4000.000	Range 10 - 120		Recovery = 256.22%#			
24) Nitrobenzene-d5	3.617	82	249256m	10927.8752731 ppb		-0.02
Spiked Amount 2000.000	Range 10 - 126		Recovery = 546.39%#			
50) 2-Fluorobiphenyl	4.740	172	540820	9602.7747977 ppb		-0.03
Spiked Amount 2000.000	Range 22 - 127		Recovery = 480.14%#			
73) 2,4,6-Tribromophenol	5.811	330	94930	10873.9818390 ppb		-0.03
Spiked Amount 4000.000	Range 10 - 153		Recovery = 271.85%#			
87) p-Terphenyl-d14	7.758	244	807078	9489.2738215 ppb		-0.05
Spiked Amount 2000.000	Range 29 - 141		Recovery = 474.46%#			
Target Compounds						Qvalue
2) Pyridine	2.070	79	226351	10251.5637768 ppb		99
3) N-Nitrosodimethylamine	2.040	42	101854	10626.2797600 ppb		99
5) Aniline	3.123	66	116701	10533.3026079 ppb		89
6) bis(2-Chloroethyl)ether	3.146	93	221004	10173.7945061 ppb		99
8) Phenol	3.087	94	282270	10241.9808998 ppb		98
10) 2-Chlorophenol	3.187	128	236152	9724.1851262 ppb		92
11) n-Decane	3.187	41	98579	10038.6799154 ppb		98
12) 1,3-Dichlorobenzene	3.276	146	256095	9682.8135126 ppb		98
13) 1,4-Dichlorobenzene	3.317	146	260308	9558.1847299 ppb		99
14) Benzyl Alcohol	3.370	79	192373	10489.9547655 ppb		99
15) 1,2-Dichlorobenzene	3.399	146	245419	9622.4467176 ppb		93
16) bis(2-Chloroisopropyl)...	3.440	121	77862	9491.0706847 ppb	#	88
17) 2,2-oxybis(1-chloropro...	3.440	121	77862	9491.0706847 ppb	#	88
18) 2-Methylphenol	3.423	108	207225	9917.9353982 ppb		97
19) Hexachloroethane	3.593	117	102431	9700.6995551 ppb		99
20) N-Nitrosodi-n-propylamine	3.517	70	168163	10750.1586496 ppb		97
21) 3&4-Methyl phenol	3.511	107	238967	10022.4730045 ppb		97
25) Nitrobenzene	3.628	77	247085	10916.2422639 ppb		96
26) Isophorone	3.764	82	462389	10664.5541827 ppb		96
27) 2-Nitrophenol	3.817	139	130962	11147.1097242 ppb		91
28) 2,4-Dimethylphenol	3.823	107	208460	8754.3153720 ppb		94
29) bis(2-Chlorethoxy)methane	3.881	93	269584	10046.4649719 ppb		99
30) 2,4-Dichlorophenol	3.958	162	197879	10008.7487960 ppb		98
32) 1,2,4-Trichlorobenzene	4.011	180	218981	9743.0160235 ppb		100
34) Naphthalene	4.064	128	675842	9607.9408932 ppb		99
35) 4-Chloroaniline	4.087	65	78465	10512.2183597 ppb	#	50
36) Hexachloro-1,3-butadiene	4.128	225	131975	10080.1606095 ppb		98

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_03.D
Acq On : 05 May 2022 10:17 am
Operator : 917
Sample : ICV SVMS 10K ppb 22C22891 exp 08/25/22
Misc : SVMS CAL ISTD 22C22755 exp 09/25/22
ALS Vial : 3 Sample Multiplier: 1

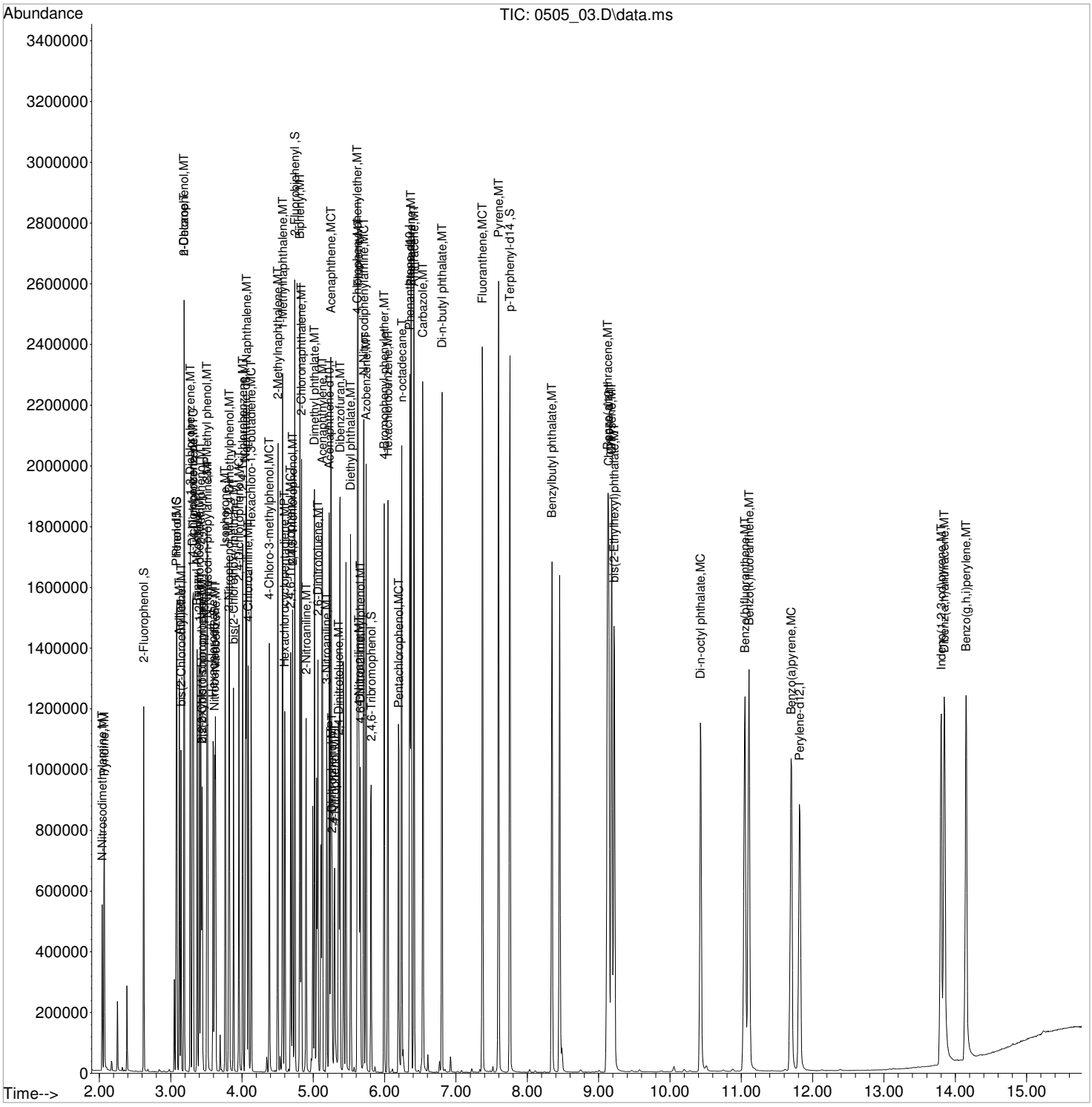
Quant Time: May 05 11:35:31 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40) 4-Chloro-3-methylphenol	4.381	107	204527	10537.3909049 ppb		96
41) 2-Methylnaphthalene	4.505	142	460511	9678.5207757 ppb		98
42) 1-Methylnaphthalene	4.570	142	440653	9828.4853406 ppb		98
47) Hexachlorocyclopentadiene	4.599	237	141764	8253.1612821 ppb		96
48) 2,4,6-Trichlorophenol	4.681	196	159021	10718.6028545 ppb		96
49) 2,4,5-Trichlorophenol	4.711	196	164671	10356.7693341 ppb		98
51) Biphenyl	4.811	154	589095	9510.8433591 ppb		100
52) 2-Chloronaphthalene	4.834	162	457512	9628.8361821 ppb		97
53) 2-Nitroaniline	4.899	138	161604	10457.8087399 ppb		93
54) Acenaphthylene	5.128	152	711658	9677.7636291 ppb		99
55) Dimethyl phthalate	5.017	163	542935	9853.0165042 ppb		98
56) 2,6-Dinitrotoluene	5.064	165	130479	10856.9386259 ppb		96
57) 3-Nitroaniline	5.187	138	140450	10518.1782079 ppb		86
58) Acenaphthene	5.246	153	477978	9613.9010040 ppb		97
59) 2,4-Dinitrophenol	5.264	184	86522	13594.5415739 ppb	#	1
60) Dibenzofuran	5.375	168	674782	9801.6335758 ppb		99
61) 2,4-Dinitrotoluene	5.358	165	177752	11336.4187714 ppb		97
63) 4-Nitrophenol	5.299	139	110226	10456.7987667 ppb		97
64) Fluorene	5.628	166	573663	9878.7931567 ppb		99
65) 4-Chlorophenyl-phenyle...	5.617	204	282823	10021.5068958 ppb		91
66) Diethyl phthalate	5.522	149	535378	9790.3369011 ppb		98
67) 4-Nitroaniline	5.640	138	153700	10713.4284832 ppb		94
68) Azobenzene	5.740	77	557001	10339.3766748 ppb		98
71) 4,6-Dinitro-2-methylph...	5.658	198	113325	12346.3776753 ppb		90
72) N-Nitrosodiphenylamine	5.711	169	493129	9499.0472242 ppb		99
74) 4-Bromophenyl-phenylether	5.993	248	171317	9811.1086739 ppb		94
75) Hexachlorobenzene	6.046	284	185330	9603.4586499 ppb		99
76) n-octadecane	6.240	55	68528	9302.5151010 ppb		98
77) Pentachlorophenol	6.199	266	118425	10452.2367983 ppb		96
78) Phenanthrene	6.369	178	846979	9382.1607481 ppb		99
79) Anthracene	6.411	178	852329	9550.5763443 ppb		100
80) Carbazole	6.534	167	815188	9836.5022115 ppb		100
81) Di-n-butyl phthalate	6.805	149	935560	9529.3110450 ppb		100
83) Fluoranthene	7.369	202	974666	10206.3640814 ppb		99
86) Pyrene	7.599	202	1006964	9475.1848306 ppb		99
88) Benzylbutyl phthalate	8.346	149	412937	9052.4310569 ppb		96
90) Benzo(a)anthracene	9.128	228	945536	9474.3756843 ppb		98
91) Chrysene	9.181	228	918425	9533.8984499 ppb		99
92) bis(2-Ethylhexyl)phtha...	9.216	149	570408	8747.8387706 ppb		99
93) Di-n-octyl phthalate	10.428	149	934224	8930.6102256 ppb		99
95) Benzo(b)fluoranthene	11.052	252	885866	9978.9130289 ppb		98
96) Benzo(k)fluoranthene	11.110	252	912388	10236.8101408 ppb		96
97) Benzo(a)pyrene	11.699	252	776127	10047.4700936 ppb		97
98) Indeno(1,2,3-cd)pyrene	13.804	276	724206m	9474.5692794 ppb		
99) Dibenz(a,h)anthracene	13.846	278	785891	9628.2963083 ppb		99
100) Benzo(g,h,i)perylene	14.151	276	796865	9850.4793517 ppb		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_03.D
Acq On : 05 May 2022 10:17 am
Operator : 917
Sample : ICV SVMS 10K ppb 22C22891 exp 08/25/22
Misc : SVMS CAL ISTD 22C22755 exp 09/25/22
ALS Vial : 3 Sample Multiplier: 1

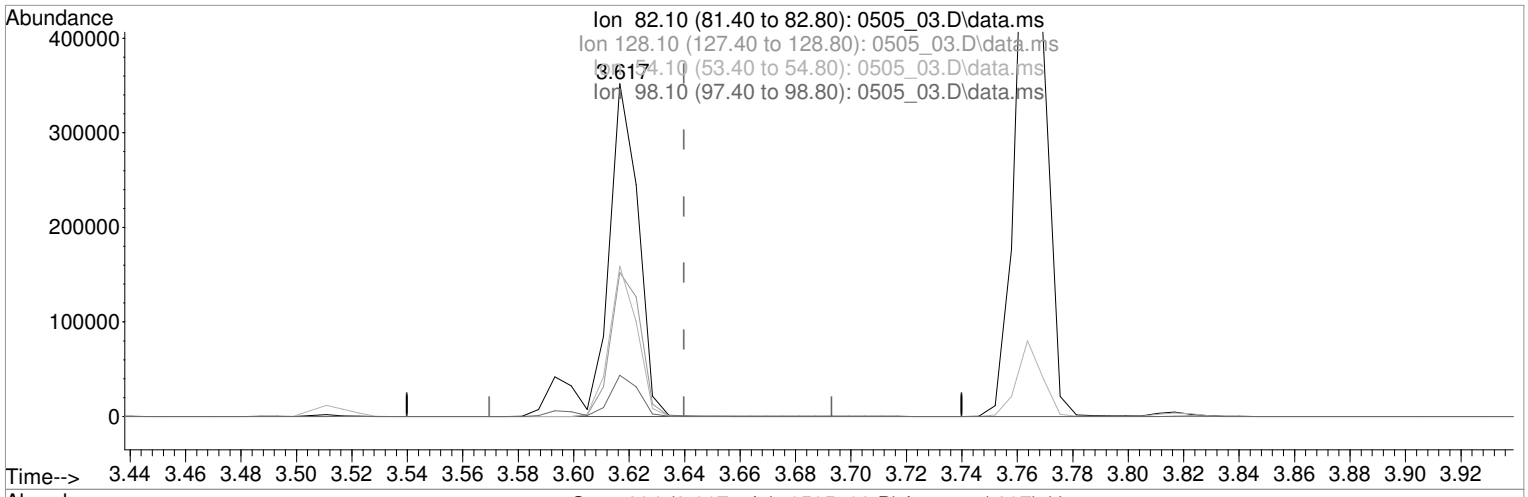
Quant Time: May 05 11:35:31 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration

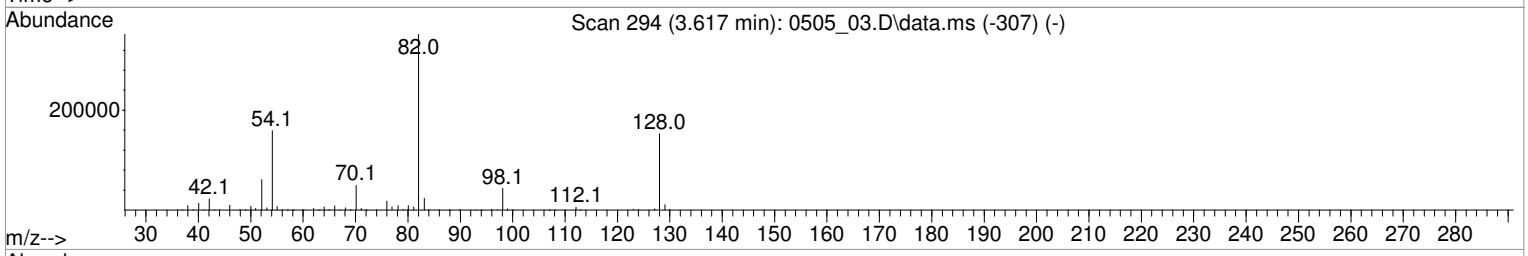


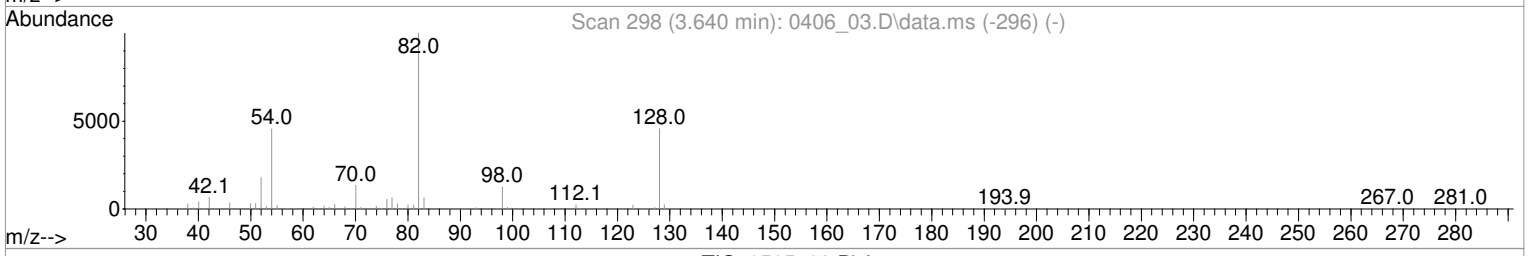
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_03.D
Acq On : 05 May 2022 10:17 am
Operator : 917
Sample : ICV SVMS 10K ppb 22C22891 exp 08/25/22
Misc : SVMS CAL ISTD 22C22755 exp 09/25/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 05 11:35:31 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration







TIC: 0505_03.D\data.ms

(24) Nitrobenzene-d5 (S)

3.617min (-0.023) 12342.1296965 ppb

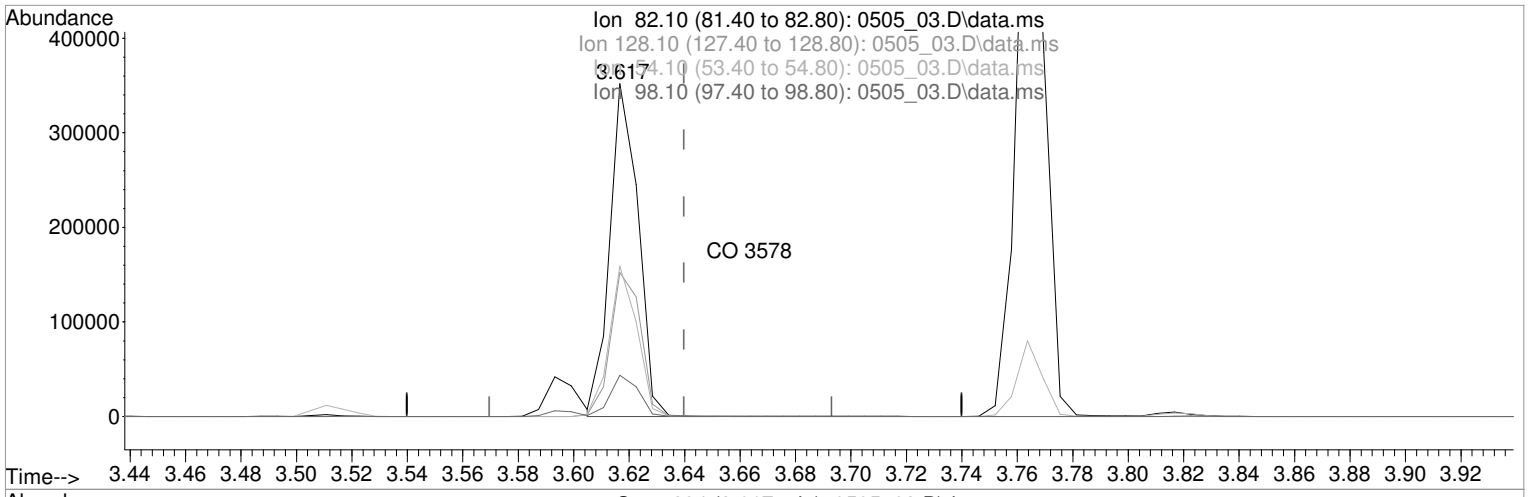
Qvalue = 97

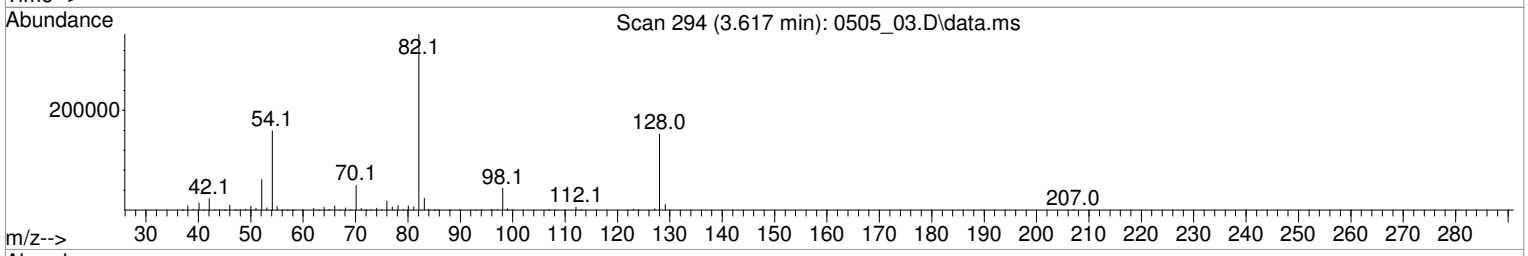
response 281514

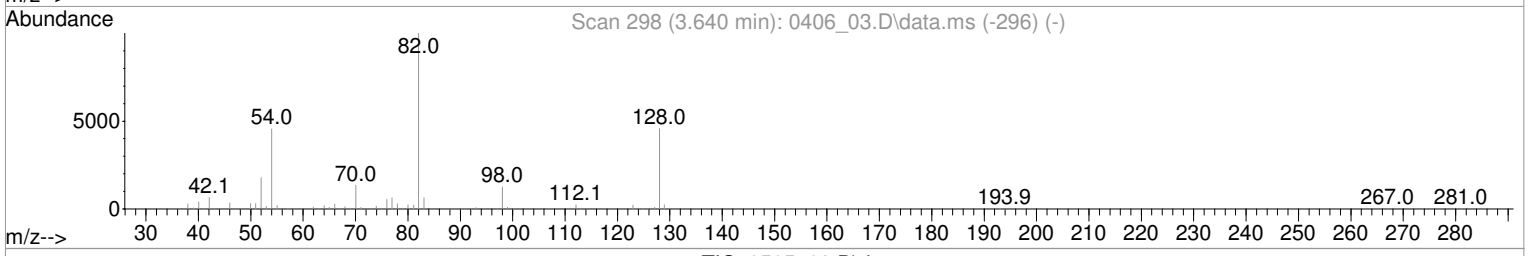
Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	43.28
54.10	45.60	45.23
98.10	12.30	12.36

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_03.D
Acq On : 05 May 2022 10:17 am
Operator : 917
Sample : ICV SVMS 10K ppb 22C22891 exp 08/25/22
Misc : SVMS CAL ISTD 22C22755 exp 09/25/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 05 11:35:31 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration







TIC: 0505_03.D\data.ms

(24) Nitrobenzene-d5 (S)

3.617min (-0.023) 10927.8752731 ppb m

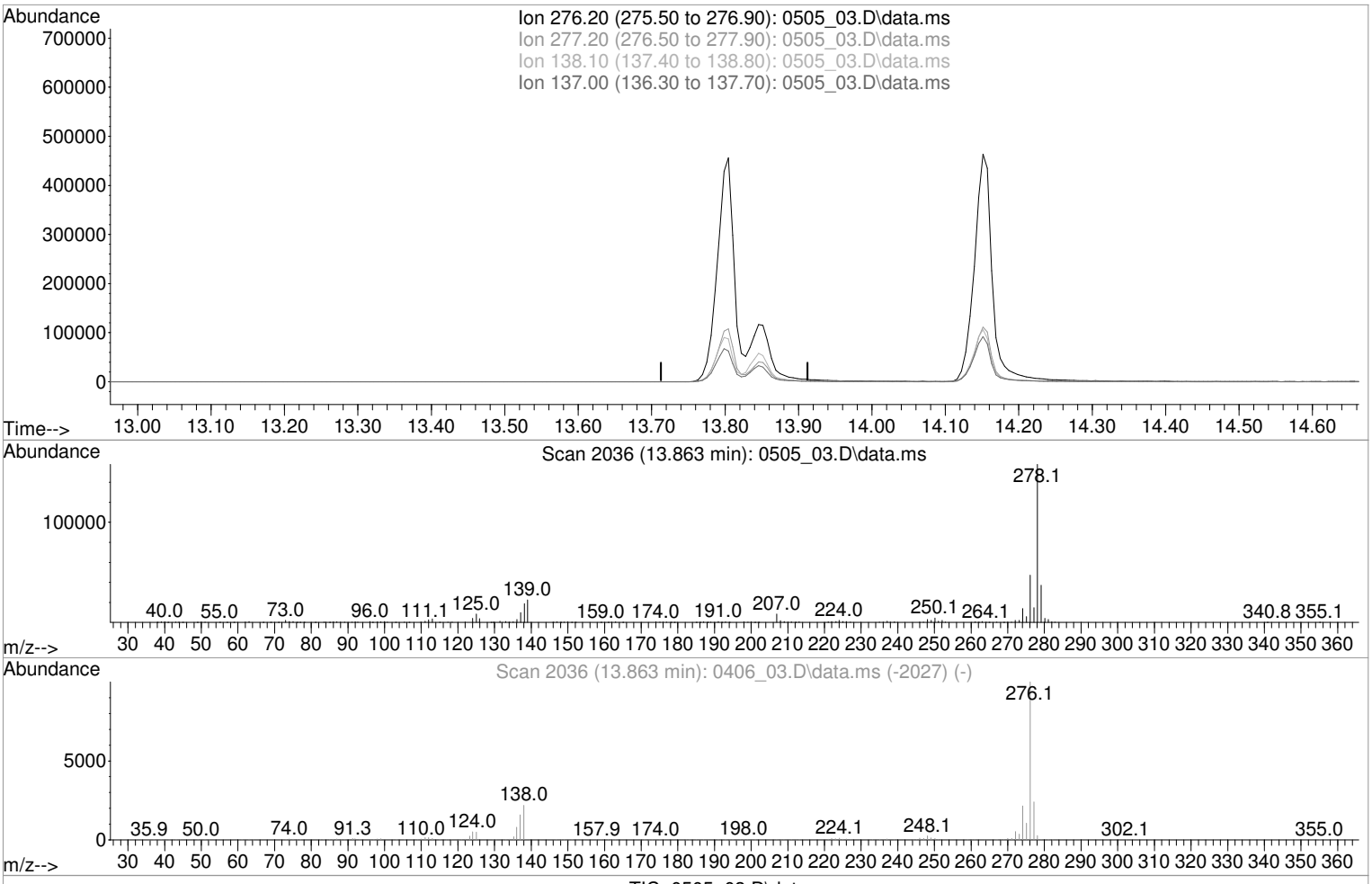
response 249256

Ion	Exp%	Act%
82.10	100.00	100.00
128.10	47.30	43.28
54.10	45.60	45.23
98.10	12.30	12.36

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_03.D
Acq On : 05 May 2022 10:17 am
Operator : 917
Sample : ICV SVMS 10K ppb 22C22891 exp 08/25/22
Misc : SVMS CAL ISTD 22C22755 exp 09/25/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 05 11:35:31 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration



TIC: 0505_03.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

13.863min (-13.863) 0.0000000 ppb

Qvalue = 0

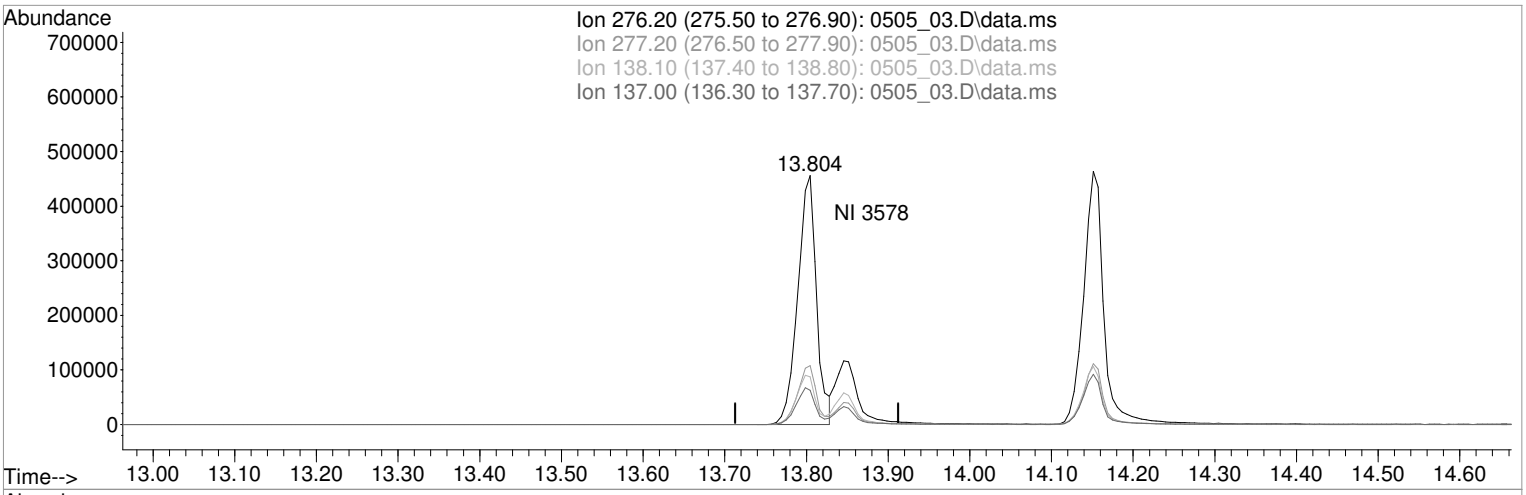
response 0

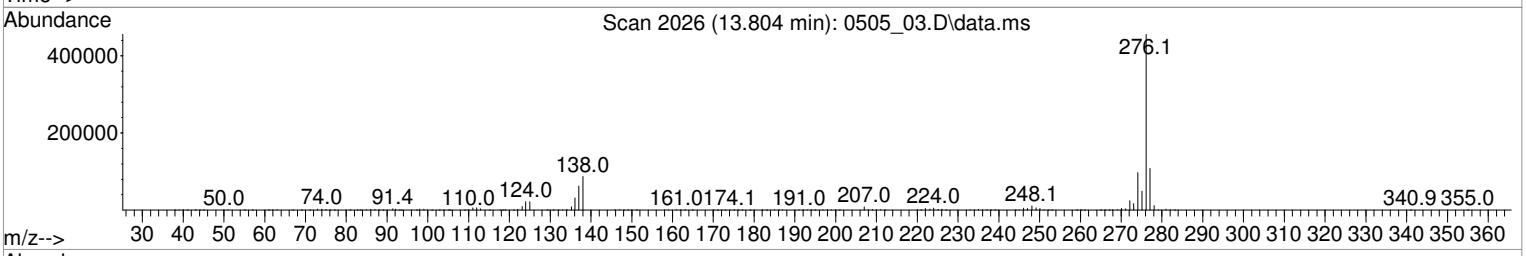
Ion	Exp%	Act%
276.20	100.00	0.00
277.20	24.50	0.00#
138.10	24.00	0.00#
137.00	17.50	0.00

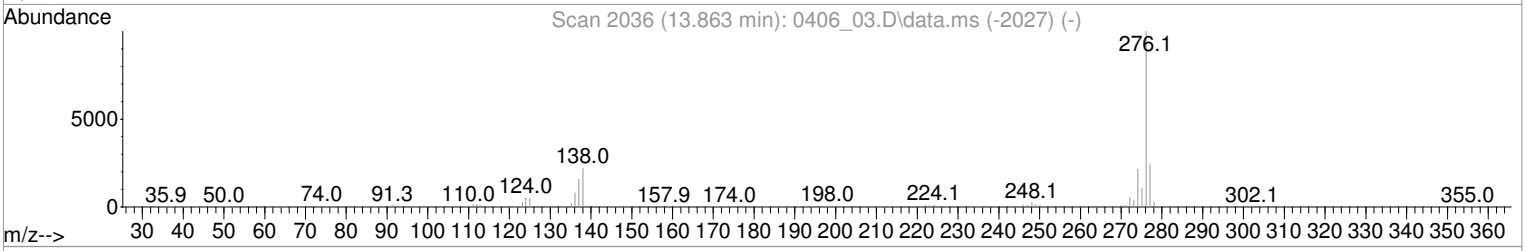
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_03.D
Acq On : 05 May 2022 10:17 am
Operator : 917
Sample : ICV SVMS 10K ppb 22C22891 exp 08/25/22
Misc : SVMS CAL ISTD 22C22755 exp 09/25/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 05 11:35:31 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration







TIC: 0505_03.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

13.804min (-0.059) 9474.5692794 ppb m

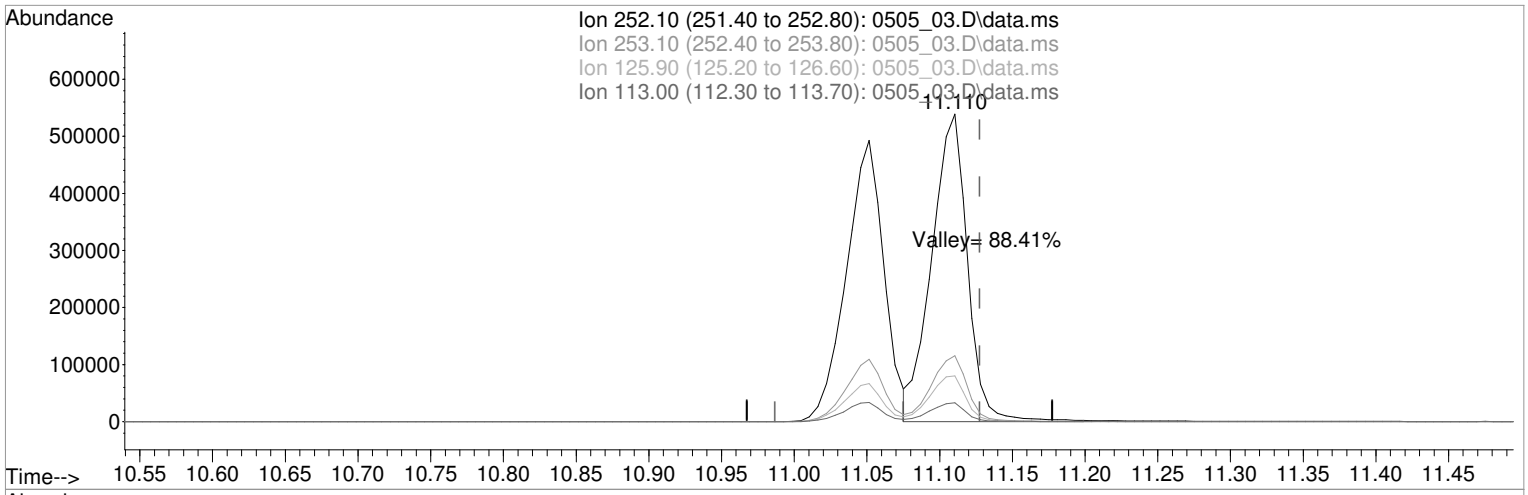
response 724206

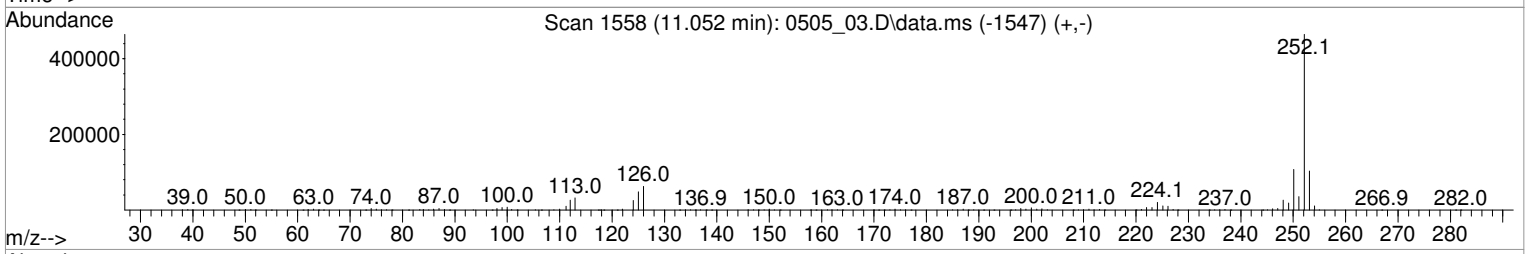
Ion	Exp%	Act%
276.20	100.00	100.00
277.20	24.50	23.67
138.10	24.00	19.13
137.00	17.50	13.78

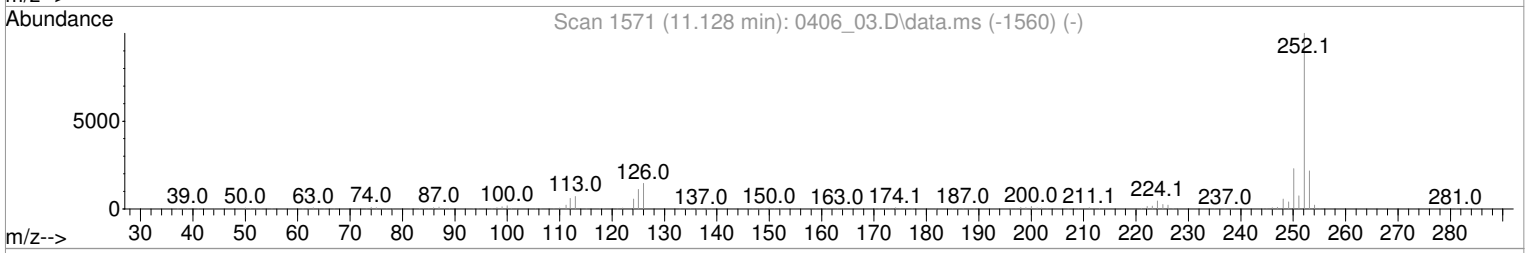
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_03.D
Acq On : 05 May 2022 10:17 am
Operator : 917
Sample : ICV SVMS 10K ppb 22C22891 exp 08/25/22
Misc : SVMS CAL ISTD 22C22755 exp 09/25/22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 05 11:35:31 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration







TIC: 0505_03.D\data.ms

(95) Benzo(b)fluoranthene (MT)

11.052min (-0.076) 9978.9130289 ppb

Qvalue = 98

response 885866

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	22.00	22.17
125.90	15.10	13.55
113.00	7.20	6.89

7A-OR

GC/MS CONTINUING CALIBRATION VERIFICATION

SDG:	L1488631	**Calibration (begin) date/time:**	03/18/22 16:44
Instrument ID:	BNAMS33	**Calibration (end) date/time:**	03/18/22 22:47
Lab File ID:	0505_04-1	**Analysis date/time:**	05/05/22 10:38
Analytical Method:	8270E	**Sample ID:**	ICV

Analyte	Avg. RRF	RRF	Min. RRF	Diff.	Max Diff.	True Value	Result	Result	Limits
				%	*%*	*mg/l*	*mg/l*	*% Rec.*	*%*
BENZOIC ACID	0.151556	0.22594210		49.10		10	14.91	149	

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_04.D
Acq On : 05 May 2022 10:38 am
Operator : 917
Sample : ICV TCL 10K1 ppb 22CD05698 exp 09/10/22
Misc : TCL CAL ISTD 22D02367 exp 10/02/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 05 11:35:40 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration

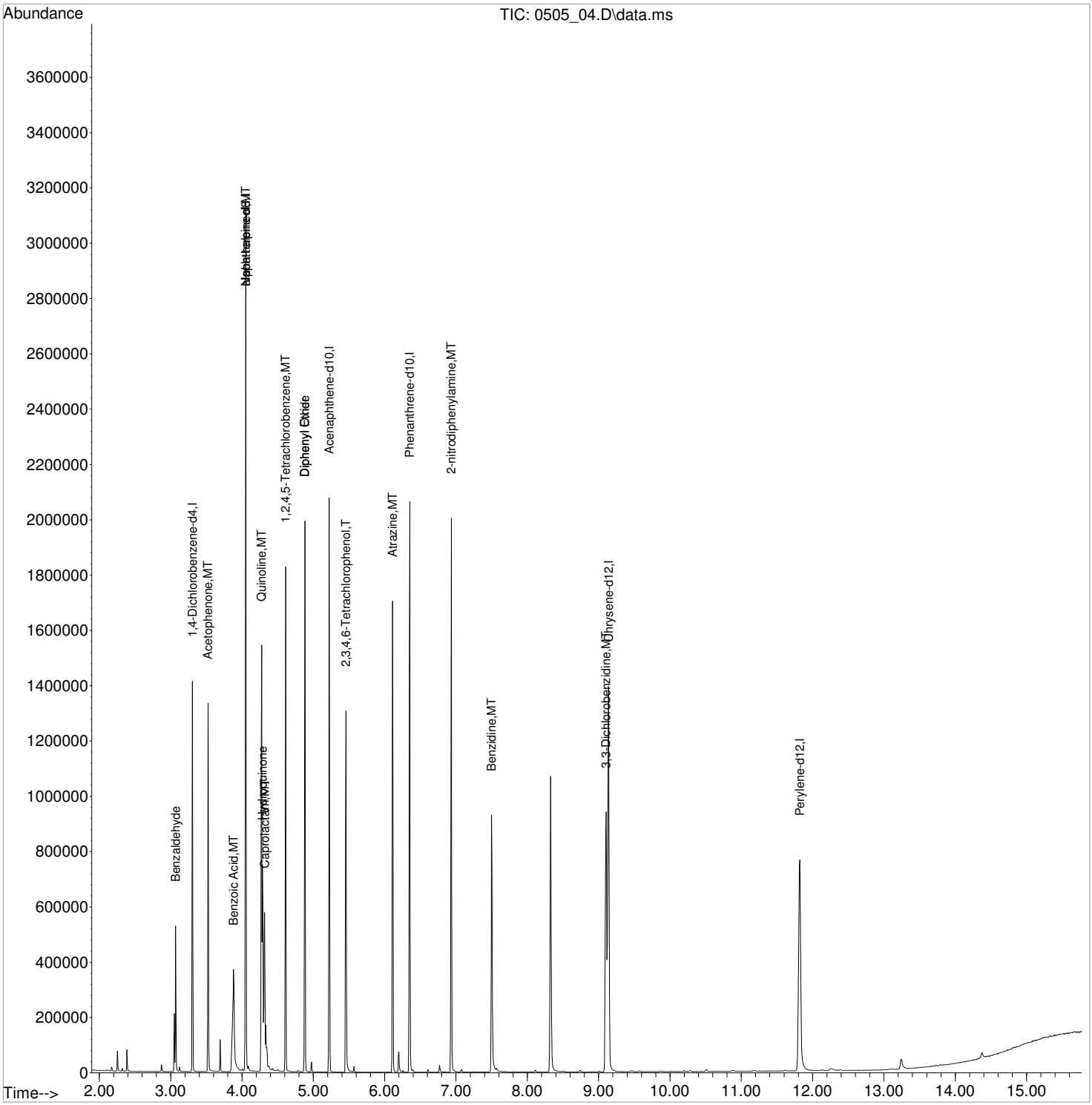
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.305	152	137005	8000.0000000	ppb	-0.02
23) Naphthalene-d8	4.052	136	608262	8000.0000000	ppb	-0.02
46) Acenaphthene-d10	5.222	164	321083	8000.0000000	ppb	-0.03
70) Phenanthrene-d10	6.352	188	641466	8000.0000000	ppb	-0.04
84) Chrysene-d12	9.140	240	612831	8000.0000000	ppb	-0.06
94) Perylene-d12	11.822	264	564771	8000.0000000	ppb	-0.08
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
7) Phenol-d5	0.000	99	0d	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 120		Recovery =	0.00%#		
24) Nitrobenzene-d5	0.000	82	0	0.0000000	ppb	
Spiked Amount 2000.000	Range 10 - 126		Recovery =	0.00%#		
50) 2-Fluorobiphenyl	0.000	172	0	0.0000000	ppb	
Spiked Amount 2000.000	Range 22 - 127		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.0000000	ppb	
Spiked Amount 4000.000	Range 10 - 153		Recovery =	0.00%#		
87) p-Terphenyl-d14	0.000	244	0	0.0000000	ppb	
Spiked Amount 2000.000	Range 29 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
9) Benzaldehyde	3.069	105	65635	11683.3659826	ppb	96
22) Acetophenone	3.522	105	300710	9939.3590746	ppb	96
31) Benzoic Acid	3.881	105	171790	14908.1597059	ppb	83
33) alpha-terpineol	4.052	59	158269	10200.4521668	ppb	93
37) Hydroquinone	4.287	110	244155m	10879.2316655	ppb	
38) Quinoline	4.275	129	431201	9875.3140486	ppb	99
39) Caprolactam	4.316	113	83434	11398.1847285	ppb	90
43) 1,2,4,5-Tetrachloroben...	4.610	216	222257	10495.4319126	ppb	99
44) Diphenyl Ether	4.881	170	299884	10176.0056954	ug/ml	98
45) Diphenyl Oxide	4.881	170	299884	10176.0056954	ug/ml	98
62) 2,3,4,6-Tetrachlorophenol	5.457	232	136681	11688.3969239	ppb	97
69) Atrazine	6.110	200	162147	10202.1744543	ppb #	100
82) 2-nitrodiphenylamine	6.934	167	209495	9974.5637279	ppb	97
85) Benzidine	7.499	184	381994	8337.6323890	ppb #	100
89) 3,3-Dichlorobenzidine	9.104	252	324533	9411.0109660	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_04.D
Acq On : 05 May 2022 10:38 am
Operator : 917
Sample : ICV TCL 10K1 ppb 22CD05698 exp 09/10/22
Misc : TCL CAL ISTD 22D02367 exp 10/02/22
ALS Vial : 4 Sample Multiplier: 1

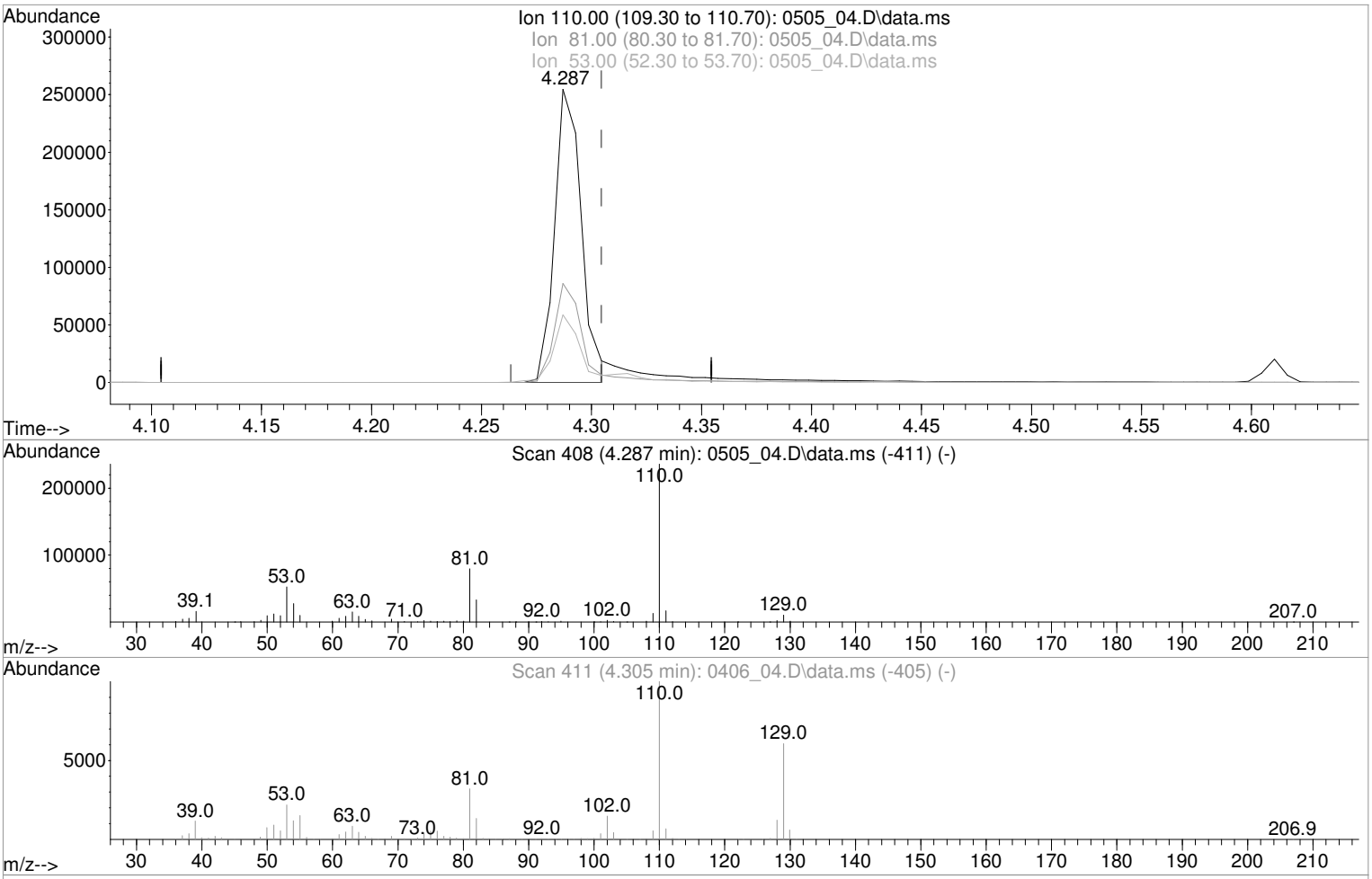
Quant Time: May 05 11:35:40 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_04.D
Acq On : 05 May 2022 10:38 am
Operator : 917
Sample : ICV TCL 10K1 ppb 22CD05698 exp 09/10/22
Misc : TCL CAL ISTD 22D02367 exp 10/02/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 05 11:35:40 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration



TIC: 0505_04.D\data.ms

(37) Hydroquinone

4.287min (-0.018) 9630.4292790 ppb

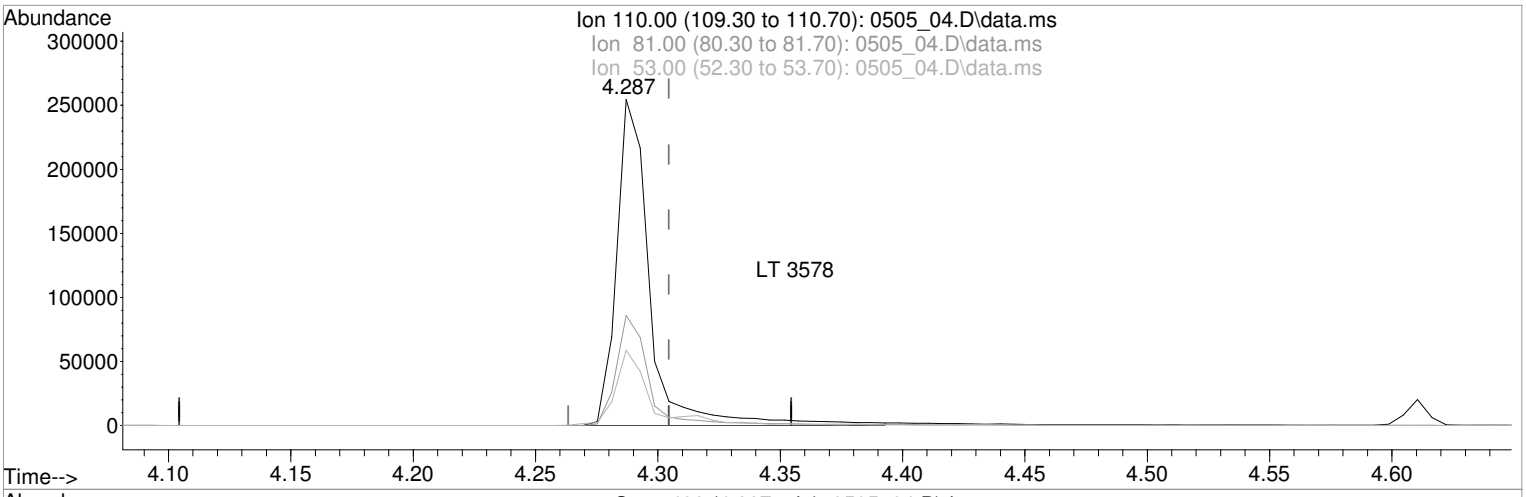
Qvalue = 93

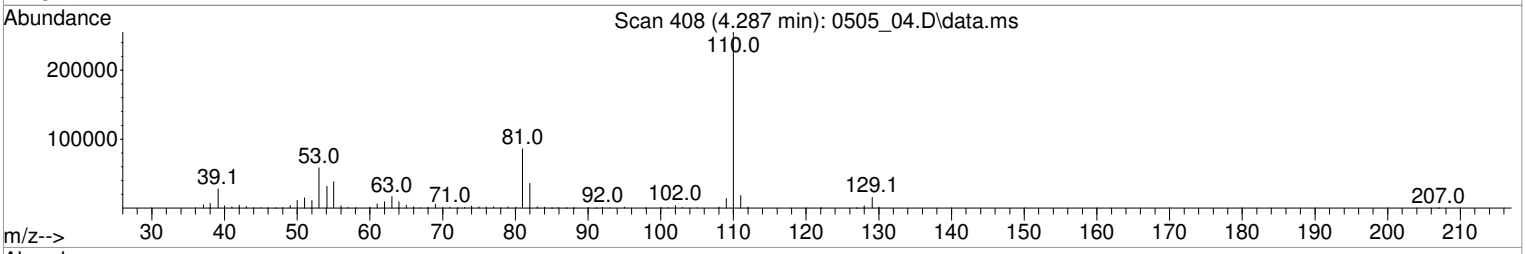
response 216129

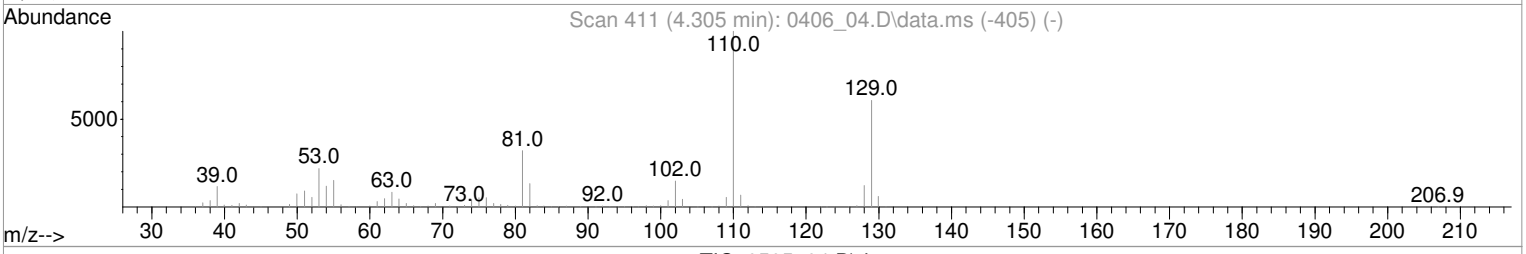
Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	33.75
53.00	19.80	22.96
0.00	0.00	0.00

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_04.D
Acq On : 05 May 2022 10:38 am
Operator : 917
Sample : ICV TCL 10K1 ppb 22CD05698 exp 09/10/22
Misc : TCL CAL ISTD 22D02367 exp 10/02/22
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 05 11:35:40 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration







TIC: 0505_04.D\data.ms

(37) Hydroquinone

4.287min (-0.018) 10879.2316655 ppb m

response 244155

Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	33.75
53.00	19.80	23.05
0.00	0.00	0.00

ANALYTICAL SEQUENCE

SDG:	L1488631	**Analytical Method:**	8270E
Instrument ID:	BNAMS20	**Calibration Start Date:**	02/11/22 11:40
		Calibration End Date:	02/11/22 17:52

Client Sample ID	Lab Sample ID	File ID	Analysis Date Time	Dilution	Batch
TUNE	BNAMS200211220211_05-1577303	0211_05-1	02/11/22 10:56		
CAL	200	0211_07	02/11/22 11:40		
CAL	1000	0211_08	02/11/22 12:02		
CAL	2000	0211_09	02/11/22 12:23		
CAL	5000	0211_10	02/11/22 12:45		
CAL	10000	0211_11	02/11/22 13:07		
CAL	20000	0211_12	02/11/22 13:29		
CAL	30000	0211_13	02/11/22 13:51		
CAL	40000	0211_14	02/11/22 14:13		
CAL	50000	0211_15	02/11/22 14:35		
CAL	1K1	0211_16	02/11/22 14:57		
CAL	2K1	0211_17	02/11/22 15:19		
CAL	5K1	0211_18	02/11/22 15:41		
CAL	10K1	0211_19	02/11/22 16:03		
CAL	20K1	0211_20	02/11/22 16:25		
CAL	30K1	0211_21	02/11/22 16:46		
CAL	40K1	0211_22	02/11/22 17:08		
CAL	50K1	0211_23	02/11/22 17:30		
CAL	40	0211_24	02/11/22 17:52		
SSCV	BNAMS200211220211_25-1577303	0211_25-1	02/11/22 18:14		
SSCV	BNAMS200211220211_26-1577303	0211_26-1	02/11/22 18:36		
TUNE	BNAMS20050622A0506A_02T577303	0506A_02T	05/06/22 14:35		
ICV	BNAMS20050622A0506A_04-1577303	0506A_04-1	05/06/22 15:23		
ICV	BNAMS20050622A0506A_05-1577303	0506A_05-1	05/06/22 15:45		
LCS	R3789363-1	0506A_06	05/06/22 16:07	1	WG1859712
BLANK	R3789363-2	0506A_07	05/06/22 16:30	1	WG1859712
L1485547-02	L1485547-02	0506A_11	05/06/22 18:01	1	WG1859712
L1485547-04	L1485547-04	0506A_12	05/06/22 18:24	1	WG1859712
L1485547-06	L1485547-06	0506A_13	05/06/22 18:46	1	WG1859712
L1485828-04	L1485828-04	0506A_14	05/06/22 19:08	1	WG1859712
L1485828-06	L1485828-06	0506A_15	05/06/22 19:31	1	WG1859712
L1485828-08	L1485828-08	0506A_16	05/06/22 19:53	1	WG1859712
OS	L1485828-10	0506A_17	05/06/22 20:16		
L1485828-10	L1485828-10	0506A_17	05/06/22 20:16	1	WG1859712
MS	R3789363-3	0506A_18	05/06/22 20:38	1	WG1859712
MSD	R3789363-4	0506A_19	05/06/22 21:00	1	WG1859712
OS	L1488145-02	0506A_21	05/06/22 21:45		
MS	R3789362-1	0506A_22	05/06/22 22:07	50	WG1858057
MSD	R3789362-2	0506A_23	05/06/22 22:29	50	WG1858057

ANALYTICAL SEQUENCE

SDG:	L1488631	**Analytical Method:**	8270E
Instrument ID:	BNAMS33	**Calibration Start Date:**	03/18/22 16:44
		Calibration End Date:	03/18/22 22:47

Client Sample ID	Lab Sample ID	File ID	Analysis Date Time	Dilution	Batch
TUNE	BNAMS330318220318_005-1573465	0318_005-1	03/18/22 16:22		
CAL	40	0318_006	03/18/22 16:44		
CAL	200	0318_007	03/18/22 17:05		
CAL	1000	0318_008	03/18/22 17:27		
CAL	2000	0318_009	03/18/22 17:48		
CAL	5000	0318_010	03/18/22 18:09		
CAL	10000	0318_011	03/18/22 18:31		
CAL	20000	0318_012	03/18/22 18:52		
CAL	30000	0318_013	03/18/22 19:13		
CAL	40000	0318_014	03/18/22 19:35		
CAL	50000	0318_015	03/18/22 19:56		
CAL	1K1	0318_016	03/18/22 20:17		
CAL	2K1	0318_017	03/18/22 20:39		
CAL	5K1	0318_018	03/18/22 21:00		
CAL	10K1	0318_019	03/18/22 21:22		
CAL	20K1	0318_020	03/18/22 21:43		
CAL	30K1	0318_021	03/18/22 22:04		
CAL	40K1	0318_022	03/18/22 22:26		
CAL	50K1	0318_023	03/18/22 22:47		
SSCV	BNAMS330318220318_024-1573465	0318_024-1	03/18/22 23:08		
SSCV	BNAMS330318220318_029-1573465	0318_029-1	03/23/22 11:21		
TUNE	BNAMS330505220505_02T573465	0505_02T	05/05/22 09:55		
ICV	BNAMS330505220505_03-1573465	0505_03-1	05/05/22 10:17		
ICV	BNAMS330505220505_04-1573465	0505_04-1	05/05/22 10:38		
LCS	R3788956-1	0505_05	05/05/22 12:01	1	WG1858057
BLANK	R3788956-2	0505_06	05/05/22 12:22	1	WG1858057
L1487616-01	L1487616-01	0505_08	05/05/22 13:19	1	WG1858057
L1487616-02	L1487616-02	0505_09	05/05/22 13:41	1	WG1858057
L1487616-04	L1487616-04	0505_10	05/05/22 14:02	1	WG1858057
L1488070-02	L1488070-02	0505_12	05/05/22 14:46	1	WG1858057
EB01-042822-01	L1488631-01	0505_14	05/05/22 15:31	1	WG1858057
L1488626-01	L1488626-01	0505_15	05/05/22 15:53	1	WG1858057
L1488070-01	L1488070-01	0505_16	05/05/22 16:15	5	WG1858057

DETECTION LIMIT SUMMARY

Lab Sample IDs: L1488631-01 **Analytical Method:** 8270E
Matrix: GW **Prep Method:** 3510C

Analyte	CAS	MDL	RDL
		mg/l	*mg/l*
Benzo(b)fluoranthene	205-99-2	0.000130	0.0010
Benzo(k)fluoranthene	207-08-9	0.000120	0.0010
Benzo(g,h,i)perylene	191-24-2	0.000121	0.0010
Benzo(a)pyrene	50-32-8	0.00003810	0.0010
Carbazole	86-74-8	0.000111	0.01
Acenaphthene	83-32-9	0.00008860	0.0010
Chrysene	218-01-9	0.000130	0.0010
Dibenz(a,h)anthracene	53-70-3	0.00006440	0.0010
Dibenzofuran	132-64-9	0.000097	0.01
Acenaphthylene	208-96-8	0.00009210	0.0010
Fluorene	86-73-7	0.00008440	0.0010
Fluoranthene	206-44-0	0.000102	0.0010
Indeno(1,2,3-cd)pyrene	193-39-5	0.000279	0.0010
1-Methylnaphthalene	90-12-0	0.000079	0.0010
2-Methylnaphthalene	91-57-6	0.000117	0.0010
Phenanthrene	85-01-8	0.000112	0.0010
Pyrene	129-00-0	0.000107	0.0010
Naphthalene	91-20-3	0.000159	0.0010
Bis(2-ethylhexyl)phthalate	117-81-7	0.000895	0.0030
Di-n-butyl phthalate	84-74-2	0.000453	0.0030
Di-n-octyl phthalate	117-84-0	0.000932	0.0030
Anthracene	120-12-7	0.00008040	0.0010
3&4-Methyl Phenol	3&4-Methyl Phenol	0.000168	0.01
Pentachlorophenol	87-86-5	0.000313	0.01
Phenol	108-95-2	0.004330	0.01
Benzoic Acid	65-85-0	0.0017	0.05
Benzo(a)anthracene	56-55-3	0.000199	0.0010

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3788956-2	**SDG:**	L1488631
Client Sample ID:	BLANK	**Collected Date/Time:**	_____
Lab File ID:	0505_06	**Received Date/Time:**	_____
Instrument ID:	BNAMS33	**Preparation Date/Time:**	05/05/22 04:51
Analytical Batch:	WG1858057	**Analysis Date/Time:**	05/05/22 12:22
Dilution Factor:	1	**Prep Method:**	3510C
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	100 mL
Total Solids (%):	_____	**Final Wt/Vol:**	0.5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acenaphthene	83-32-9	0	U		0.0886	1.00
Acenaphthylene	208-96-8	0	U		0.0921	1.00
Anthracene	120-12-7	6.37	U		0.0804	1.00
Benzoic Acid	65-85-0	4.05	U		1.70	50.0
Benzo(a)anthracene	56-55-3	9.14	U		0.199	1.00
Benzo(b)fluoranthene	205-99-2	11.05	U		0.130	1.00
Benzo(k)fluoranthene	207-08-9	11.10	U		0.120	1.00
Benzo(g,h,i)perylene	191-24-2	0	U		0.121	1.00
Benzo(a)pyrene	50-32-8	0	U		0.0381	1.00
Carbazole	86-74-8	0	U		0.111	10.0
Chrysene	218-01-9	9.18	U		0.130	1.00
Dibenz(a,h)anthracene	53-70-3	0	U		0.0644	1.00
Dibenzofuran	132-64-9	0	U		0.0970	10.0
Fluorene	86-73-7	0	U		0.0844	1.00
Fluoranthene	206-44-0	7.38	U		0.102	1.00
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.279	1.00
1-Methylnaphthalene	90-12-0	0	U		0.0790	1.00
2-Methylnaphthalene	91-57-6	0	U		0.117	1.00
Phenanthrene	85-01-8	6.37	U		0.112	1.00
Pyrene	129-00-0	7.60	U		0.107	1.00
Naphthalene	91-20-3	4.06	U		0.159	1.00
Bis(2-ethylhexyl)phthalate	117-81-7	9.22	U		0.895	3.00
Di-n-butyl phthalate	84-74-2	6.80	U		0.453	3.00
Di-n-octyl phthalate	117-84-0	10.50	U		0.932	3.00
3&4-Methyl Phenol	3&4-Methyl Phenol	3.42	U		0.168	10.0
Pentachlorophenol	87-86-5	0	U		0.313	10.0
Phenol	108-95-2	3.09	U		4.33	10.0

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_06.D
Acq On : 05 May 2022 12:22 pm
Operator : 917
Sample : BLANK 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 52 Sample Multiplier: 1

Quant Time: May 06 12:57:57 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.305	152	135364	8000.0000000	ppb	-0.02
23) Naphthalene-d8	4.052	136	517699	8000.0000000	ppb	-0.02
46) Acenaphthene-d10	5.222	164	317368	8000.0000000	ppb	-0.03
70) Phenanthrene-d10	6.352	188	653281	8000.0000000	ppb	-0.04
84) Chrysene-d12	9.140	240	626723	8000.0000000	ppb	-0.06
94) Perylene-d12	11.816	264	620965	8000.0000000	ppb	-0.08
System Monitoring Compounds						
4) 2-Fluorophenol	2.623	112	19653	968.9201965	ppb	-0.02
Spiked Amount 4000.000	Range 10 - 120		Recovery = 24.22%			
7) Phenol-d5	3.075	99	17118	663.1372453	ppb	-0.02
Spiked Amount 4000.000	Range 10 - 120		Recovery = 16.58%			
24) Nitrobenzene-d5	3.617	82	27217	1271.5630914	ppb	-0.02
Spiked Amount 2000.000	Range 10 - 126		Recovery = 63.58%			
50) 2-Fluorobiphenyl	4.740	172	59151	1113.2428291	ppb	-0.03
Spiked Amount 2000.000	Range 22 - 127		Recovery = 55.66%			
73) 2,4,6-Tribromophenol	5.811	330	17034	2008.7400199	ppb	-0.03
Spiked Amount 4000.000	Range 10 - 153		Recovery = 50.22%			
87) p-Terphenyl-d14	7.758	244	95811	1177.6867060	ppb	-0.05
Spiked Amount 2000.000	Range 29 - 141		Recovery = 58.88%			

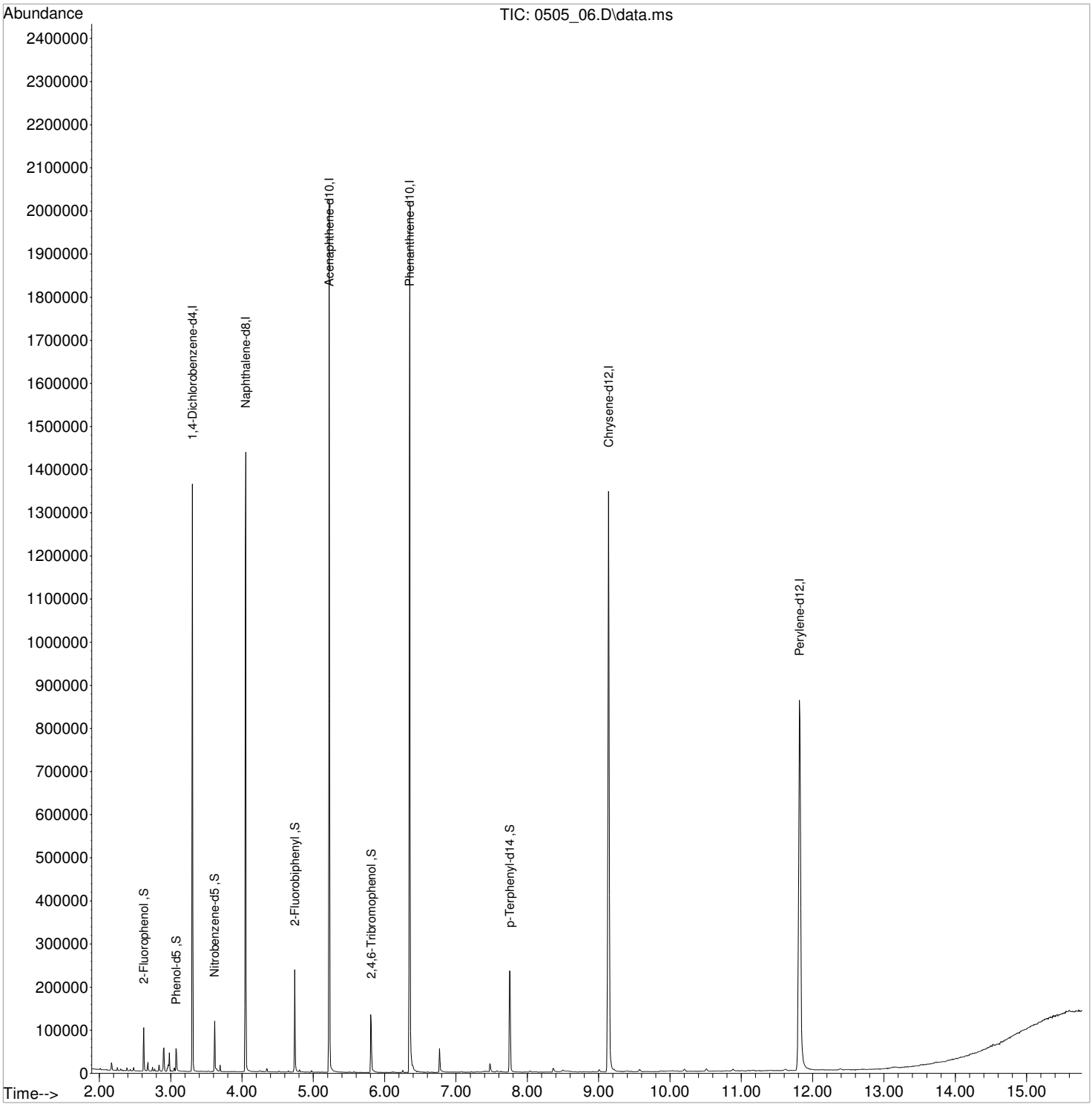
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_06.D
Acq On : 05 May 2022 12:22 pm
Operator : 917
Sample : BLANK 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 52 Sample Multiplier: 1

Quant Time: May 06 12:57:57 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration



SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3788956-1	**SDG:**	L1488631
Client Sample ID:	LCS	**Collected Date/Time:**	_____
Lab File ID:	0505_05	**Received Date/Time:**	_____
Instrument ID:	BNAMS33	**Preparation Date/Time:**	05/05/22 04:51
Analytical Batch:	WG1858057	**Analysis Date/Time:**	05/05/22 12:01
Dilution Factor:	1	**Prep Method:**	3510C
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	100 mL
Total Solids (%):	_____	**Final Wt/Vol:**	0.5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acenaphthene	83-32-9	5.25	29.0		0.0886	1.00
Acenaphthylene	208-96-8	5.13	31.1		0.0921	1.00
Anthracene	120-12-7	6.42	30.3		0.0804	1.00
Benzoic Acid	65-85-0	3.86	10.8		0.000	50.0
Benzo(a)anthracene	56-55-3	9.14	33.2		0.199	1.00
Benzo(b)fluoranthene	205-99-2	11.07	33.0		0.130	1.00
Benzo(k)fluoranthene	207-08-9	11.12	34.2		0.120	1.00
Benzo(g,h,i)perylene	191-24-2	14.16	32.8		0.121	1.00
Benzo(a)pyrene	50-32-8	11.72	33.7		0.0381	1.00
Carbazole	86-74-8	6.55	31.4		0.111	10.0
Chrysene	218-01-9	9.20	32.9		0.130	1.00
Dibenz(a,h)anthracene	53-70-3	13.86	32.4		0.0644	1.00
Dibenzofuran	132-64-9	5.37	30.7		0.0970	10.0
Fluorene	86-73-7	5.63	30.9		0.0844	1.00
Fluoranthene	206-44-0	7.38	32.8		0.102	1.00
Indeno(1,2,3-cd)pyrene	193-39-5	13.82	31.1		0.279	1.00
1-Methylnaphthalene	90-12-0	4.57	26.4		0.0790	1.00
2-Methylnaphthalene	91-57-6	4.50	25.6		0.117	1.00
Phenanthrene	85-01-8	6.38	30.0		0.112	1.00
Pyrene	129-00-0	7.61	30.8		0.107	1.00
Naphthalene	91-20-3	4.07	25.1		0.159	1.00
Bis(2-ethylhexyl)phthalate	117-81-7	9.23	29.2		0.895	3.00
Di-n-butyl phthalate	84-74-2	6.81	30.5		0.453	3.00
Di-n-octyl phthalate	117-84-0	10.45	29.4		0.932	3.00
3&4-Methyl Phenol	3&4-Methyl Phenol	3.51	22.8		0.168	10.0
Pentachlorophenol	87-86-5	6.20	35.2		0.313	10.0
Phenol	108-95-2	3.09	9.32		0.000	10.0

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_05.D
Acq On : 05 May 2022 12:01 pm
Operator : 917
Sample : LCS 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 51 Sample Multiplier: 1

Quant Time: May 06 12:57:51 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.304	152	147461	8000.0000000	ppb	-0.02
23) Naphthalene-d8	4.051	136	632346	8000.0000000	ppb	-0.02
46) Acenaphthene-d10	5.228	164	357847	8000.0000000	ppb	-0.02
70) Phenanthrene-d10	6.357	188	719924	8000.0000000	ppb	-0.03
84) Chrysene-d12	9.157	240	695830	8000.0000000	ppb	-0.04
94) Perylene-d12	11.839	264	671925	8000.0000000	ppb	-0.06
System Monitoring Compounds						
4) 2-Fluorophenol	2.622	112	23214	1050.5945392	ppb	-0.02
Spiked Amount 4000.000	Range 10 - 120		Recovery = 26.26%			
7) Phenol-d5	3.081	99	18437	655.6418379	ppb	-0.01
Spiked Amount 4000.000	Range 10 - 120		Recovery = 16.39%			
24) Nitrobenzene-d5	3.616	82	27740	1061.0275663	ppb	-0.02
Spiked Amount 2000.000	Range 10 - 126		Recovery = 53.05%			
50) 2-Fluorobiphenyl	4.745	172	61875	1032.7822884	ppb	-0.02
Spiked Amount 2000.000	Range 22 - 127		Recovery = 51.64%			
73) 2,4,6-Tribromophenol	5.816	330	22694	2428.4631357	ppb	-0.02
Spiked Amount 4000.000	Range 10 - 153		Recovery = 60.71%			
87) p-Terphenyl-d14	7.763	244	98230	1087.5044126	ppb	-0.04
Spiked Amount 2000.000	Range 29 - 141		Recovery = 54.38%			
Target Compounds						Qvalue
2) Pyridine	2.069	79	39887	1760.5276250	ppb	96
3) N-Nitrosodimethylamine	2.040	42	38660	3930.6898429	ppb	93
5) Aniline	3.122	66	48535	4269.2224853	ppb	89
6) bis(2-Chloroethyl)ether	3.146	93	135074	6059.8009487	ppb	99
8) Phenol	3.087	94	52698	1863.4474160	ppb	98
9) Benzaldehyde	3.069	105	111182	18387.6494694	ppb	97
10) 2-Chlorophenol	3.193	128	120940	4853.2797462	ppb	98
11) n-Decane	3.187	41	56030	5560.5351661	ppb	100
12) 1,3-Dichlorobenzene	3.275	146	145786	5371.8027716	ppb	98
13) 1,4-Dichlorobenzene	3.316	146	151012	5403.8481212	ppb	97
14) Benzyl Alcohol	3.369	79	97496	5181.0772349	ppb	100
15) 1,2-Dichlorobenzene	3.404	146	145504	5559.7598878	ppb	98
16) bis(2-Chloroisopropyl)...	3.446	121	45668	5425.0708678	ppb	95
17) 2,2-oxybis(1-chloropro...	3.446	121	45668	5425.0708678	ppb	95
18) 2-Methylphenol	3.422	108	94516	4408.4734644	ppb	95
19) Hexachloroethane	3.598	117	58877	5434.0181545	ppb	90
20) N-Nitrosodi-n-propylamine	3.516	70	109636	6830.3251747	ppb	95
21) 3&4-Methyl phenol	3.510	107	111673	4564.4548707	ppb	91
22) Acetophenone	3.528	105	202724	6225.5097684	ppb #	83
25) Nitrobenzene	3.628	77	150629	5805.8455670	ppb	96
26) Isophorone	3.763	82	298971	6015.8136902	ppb	96
27) 2-Nitrophenol	3.816	139	79019	5867.8446699	ppb	92
28) 2,4-Dimethylphenol	3.822	107	145278	5322.6683836	ppb	92
29) bis(2-Chlorethoxy)methane	3.881	93	177078	5757.2338749	ppb	99
30) 2,4-Dichlorophenol	3.957	162	122362	5399.5398614	ppb	94
31) Benzoic Acid	3.857	105	25808	2154.3507727	ppb	90
32) 1,2,4-Trichlorobenzene	4.010	180	128282	4979.4664064	ppb	97

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_05.D
Acq On : 05 May 2022 12:01 pm
Operator : 917
Sample : LCS 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 51 Sample Multiplier: 1

Quant Time: May 06 12:57:51 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
33) alpha-terpineol	4.057	59	106537	6604.8040627	ppb		98
34) Naphthalene	4.069	128	405320	5027.0508899	ppb		99
35) 4-Chloroaniline	4.093	65	52000	6077.8760704	ppb	#	51
36) Hexachloro-1,3-butadiene	4.134	225	75415	5025.3188110	ppb		100
37) Hydroquinone	4.287	110	2531m	108.4827429	ppb		
38) Quinoline	4.275	129	276410	6089.2081106	ppb		97
39) Caprolactam	4.310	113	11467	1506.8788890	ppb		89
40) 4-Chloro-3-methylphenol	4.387	107	128303	5766.9921046	ppb		98
41) 2-Methylnaphthalene	4.504	142	279226	5119.8228654	ppb		97
42) 1-Methylnaphthalene	4.575	142	271440	5281.9442395	ppb		99
43) 1,2,4,5-Tetrachloroben...	4.616	216	137490	6245.2796430	ppb		99
44) Diphenyl Ether	4.887	170	204755	6683.3541048	ug/ml		95
45) Diphenyl Oxide	4.887	170	204755	6683.3541048	ug/ml		95
47) Hexachlorocyclopentadiene	4.604	237	43556	2383.7018407	ppb		97
48) 2,4,6-Trichlorophenol	4.687	196	103743	6573.4304384	ppb		98
49) 2,4,5-Trichlorophenol	4.716	196	110655	6542.2598950	ppb		97
51) Biphenyl	4.816	154	367420	5576.2990263	ppb		99
52) 2-Chloronaphthalene	4.834	162	289001	5717.6849712	ppb		99
53) 2-Nitroaniline	4.904	138	112679	6854.5846186	ppb	#	80
54) Acenaphthylene	5.128	152	486899	6224.3230756	ppb		100
55) Dimethyl phthalate	5.016	163	373185	6366.4175591	ppb		96
56) 2,6-Dinitrotoluene	5.069	165	88641	6933.4754062	ppb		95
57) 3-Nitroaniline	5.193	138	96390	6785.7886779	ppb		99
58) Acenaphthene	5.251	153	306803	5800.9738719	ppb		97
59) 2,4-Dinitrophenol	5.263	184	54715	8786.9539910	ppb	#	8
60) Dibenzofuran	5.375	168	449913	6143.4607090	ppb		99
61) 2,4-Dinitrotoluene	5.357	165	122331	7334.1110201	ppb		86
62) 2,3,4,6-Tetrachlorophenol	5.463	232	91541	7023.9657876	ppb		98
63) 4-Nitrophenol	5.304	139	21719	1936.8861671	ppb		91
64) Fluorene	5.634	166	381466	6175.2203230	ppb		99
65) 4-Chlorophenyl-phenyle...	5.622	204	185838	6190.1674493	ppb		94
66) Diethyl phthalate	5.528	149	369352	6349.3188962	ppb		100
67) 4-Nitroaniline	5.645	138	109754	7191.5836072	ppb		94
68) Azobenzene	5.745	77	393759	6870.9762171	ppb		98
69) Atrazine	6.122	200	119263	6733.0135538	ppb	#	100
71) 4,6-Dinitro-2-methylph...	5.663	198	81459	8806.4638993	ppb		97
72) N-Nitrosodiphenylamine	5.710	169	325140	5850.9346448	ppb		98
74) 4-Bromophenyl-phenylether	5.998	248	111429	5961.4403233	ppb		95
75) Hexachlorobenzene	6.051	284	123915	5998.4793548	ppb		98
76) n-octadecane	6.245	55	47006	5961.0253005	ppb		99
77) Pentachlorophenol	6.204	266	84294	7033.3899098	ppb		96
78) Phenanthrene	6.381	178	579571	5997.5270558	ppb		99
79) Anthracene	6.416	178	579357	6064.6245005	ppb		100
80) Carbazole	6.545	167	556774	6276.2062169	ppb		100
81) Di-n-butyl phthalate	6.810	149	641871	6107.6333025	ppb		99
82) 2-nitrodiphenylamine	6.939	167	145517	6449.2187655	ppb		96
83) Fluoranthene	7.381	202	671348	6567.4727822	ppb		99
85) Benzidine	7.510	184	133083	3098.9062986	ppb	#	100
86) Pyrene	7.610	202	695008	6157.9047046	ppb		99
88) Benzylbutyl phthalate	8.357	149	289788	5981.7910591	ppb		94

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_05.D
Acq On : 05 May 2022 12:01 pm
Operator : 917
Sample : LCS 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 51 Sample Multiplier: 1

Quant Time: May 06 12:57:51 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
89) 3,3-Dichlorobenzidine	9.122	252	513080	13103.8851508 ppb	98
90) Benzo(a)anthracene	9.139	228	705077	6647.6360259 ppb	98
91) Chrysene	9.198	228	673454	6582.7017075 ppb	99
92) bis(2-Ethylhexyl)phtha...	9.233	149	404959	5847.8420204 ppb	99
93) Di-n-octyl phthalate	10.451	149	652968	5877.4836205 ppb	100
95) Benzo(b)fluoranthene	11.069	252	645254	6607.2151607 ppb	98
96) Benzo(k)fluoranthene	11.122	252	669630	6829.5568784 ppb	97
97) Benzo(a)pyrene	11.722	252	573331	6746.8630542 ppb	97
98) Indeno(1,2,3-cd)pyrene	13.816	276	523213m	6222.2638556 ppb	
99) Dibenz(a,h)anthracene	13.863	278	582253	6484.4240351 ppb	98
100) Benzo(g,h,i)perylene	14.163	276	583804	6560.1265799 ppb	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_05.D
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Operator : 917
Sample : LCS 1X WG1858057
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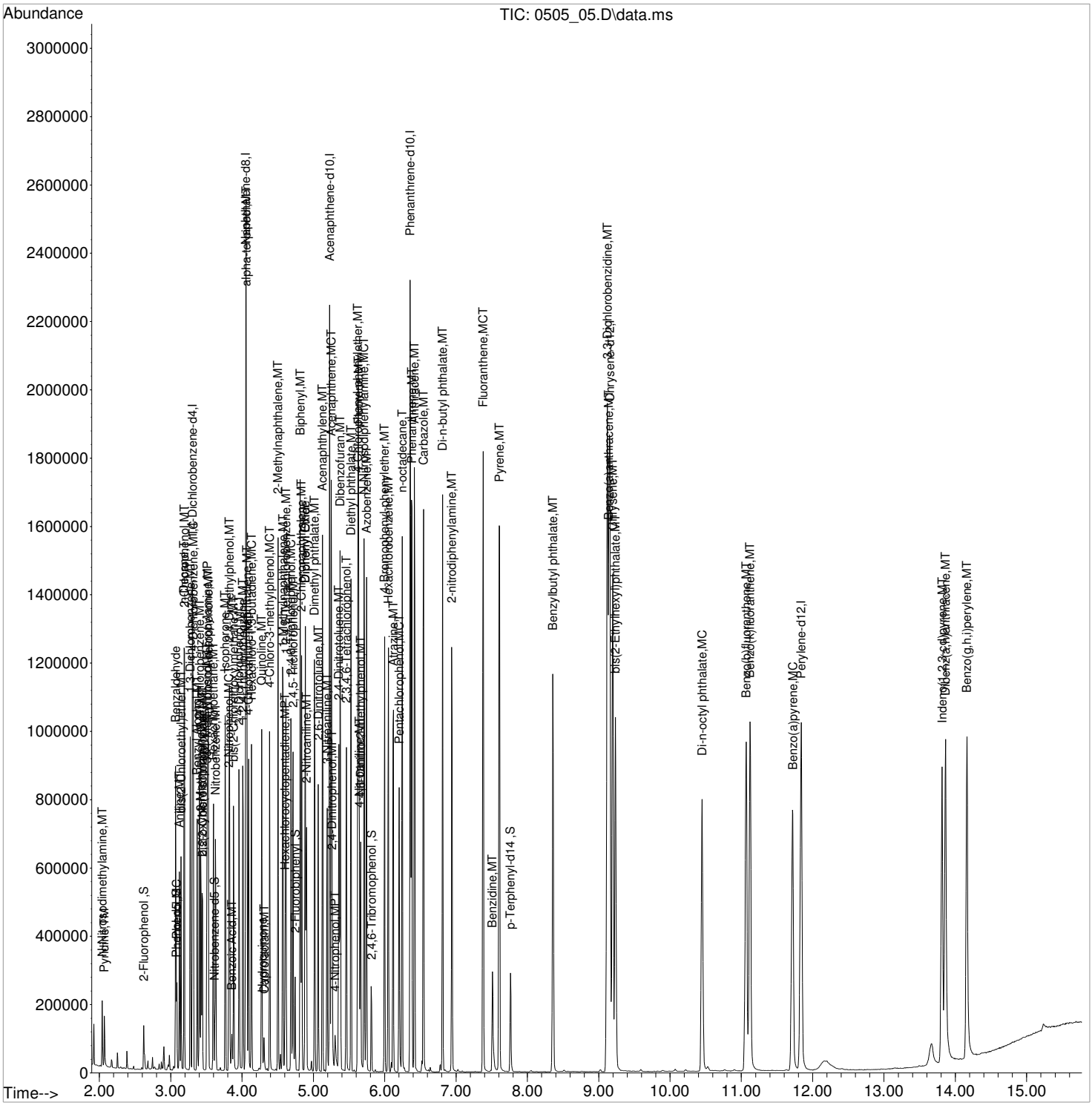
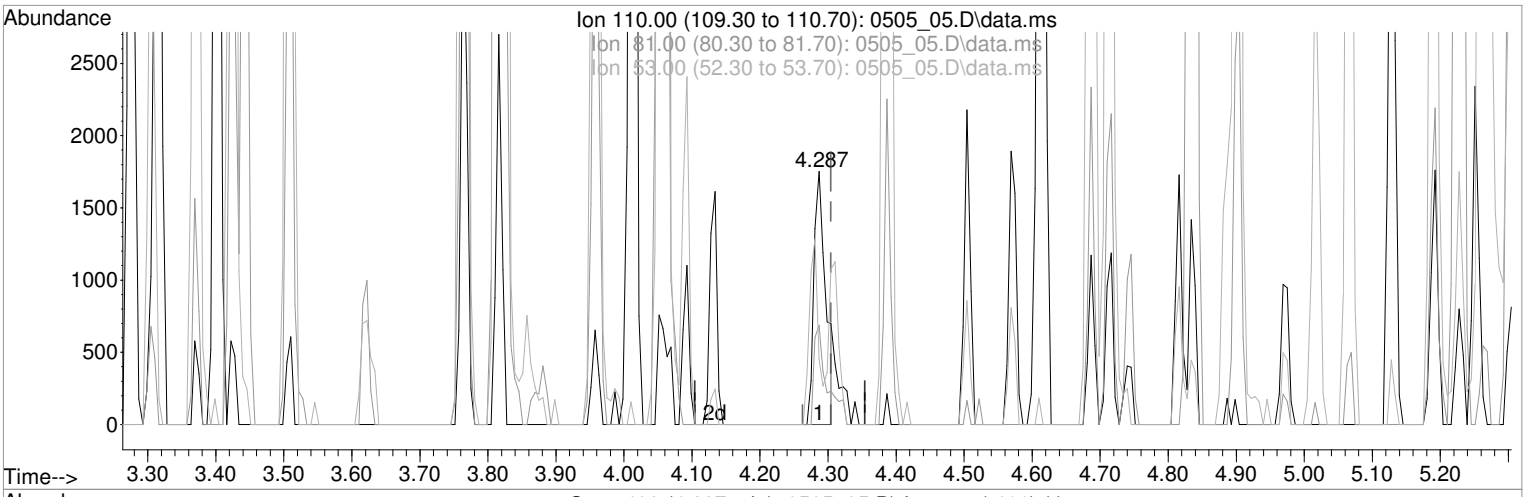
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration

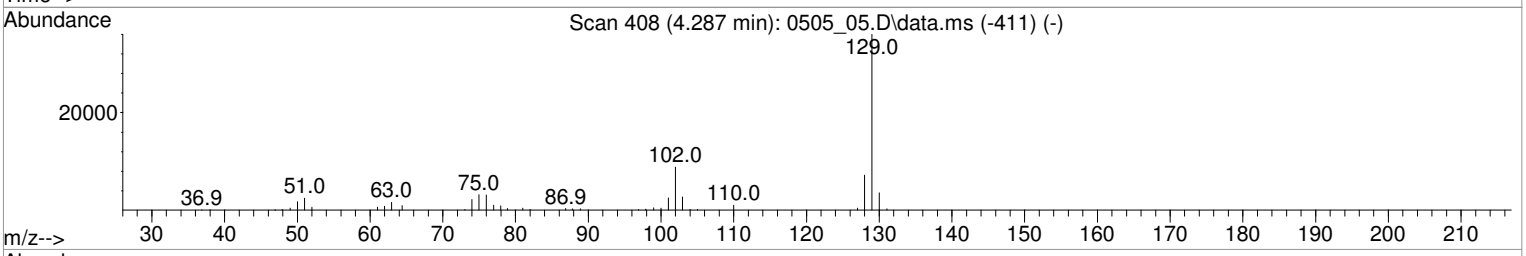


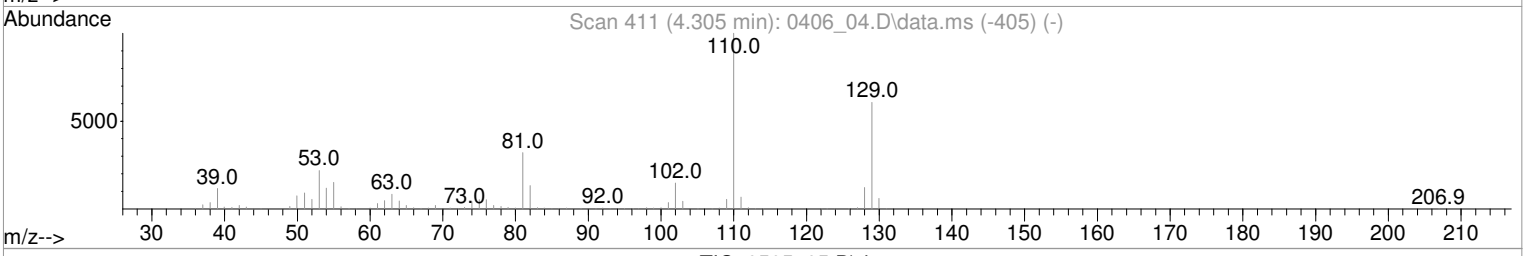
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_05.D
Acq On : 05 May 2022 12:01 pm
Operator : 917
Sample : LCS 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 51 Sample Multiplier: 1

Quant Time: May 06 12:57:51 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration







TIC: 0505_05.D\data.ms

(37) Hydroquinone

4.287min (-0.018) 90.9094815 ppb

Qvalue = 85

response 2121

Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	39.21
53.00	19.80	25.68
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_05.D
Acq On : 05 May 2022 12:01 pm
Operator : 917
Sample : LCS 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 51 Sample Multiplier: 1

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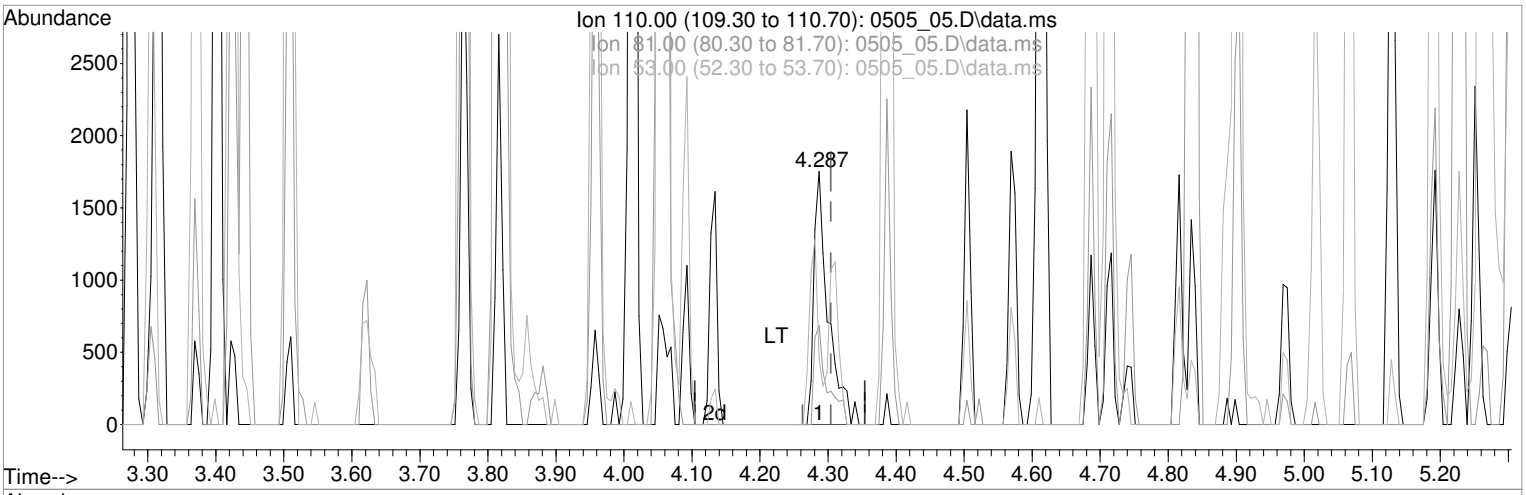
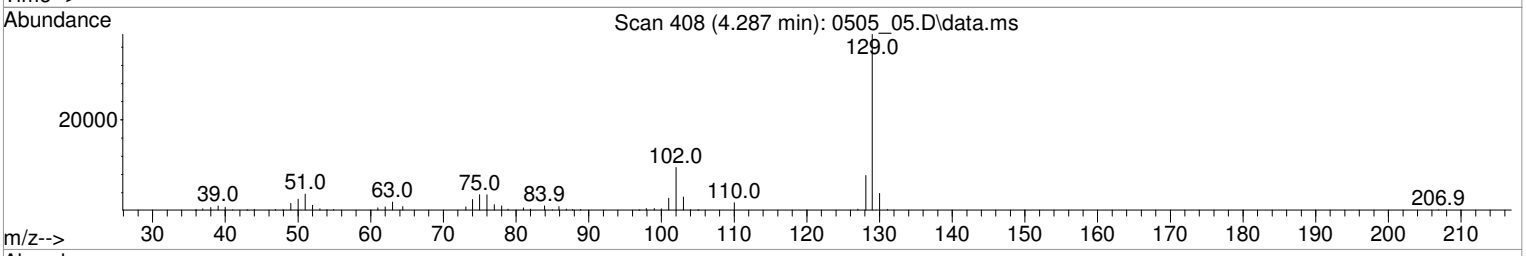
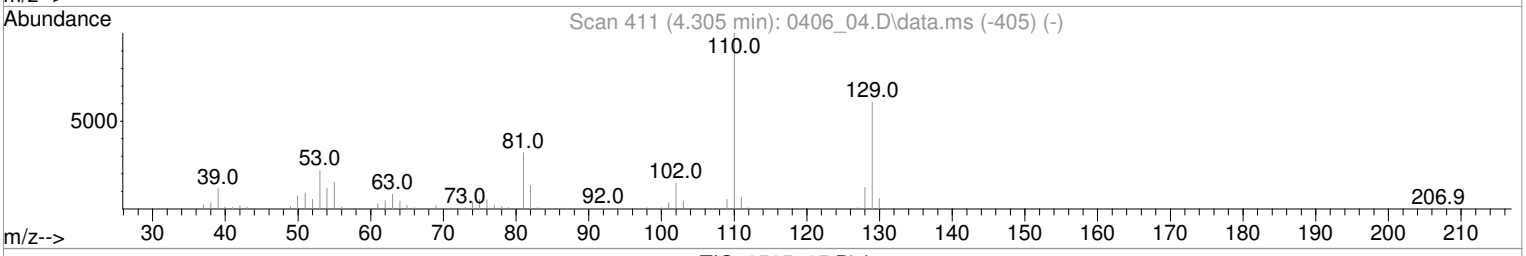
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration







TIC: 0505_05.D\data.ms

(37) Hydroquinone

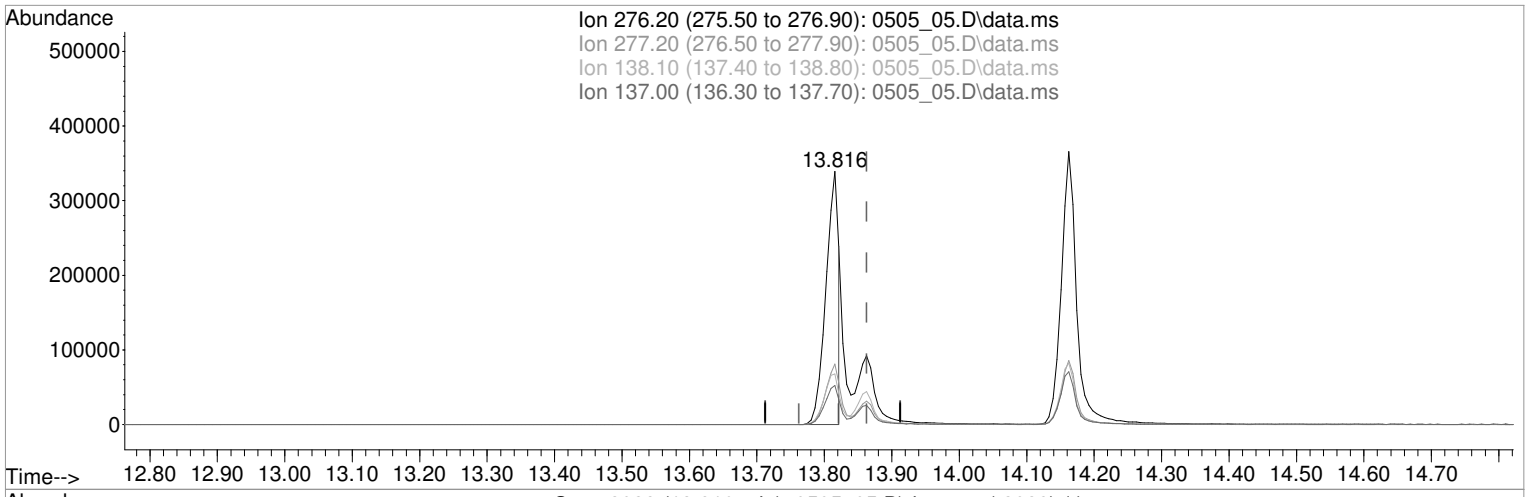
4.287min (-0.018) 108.4827429 ppb m

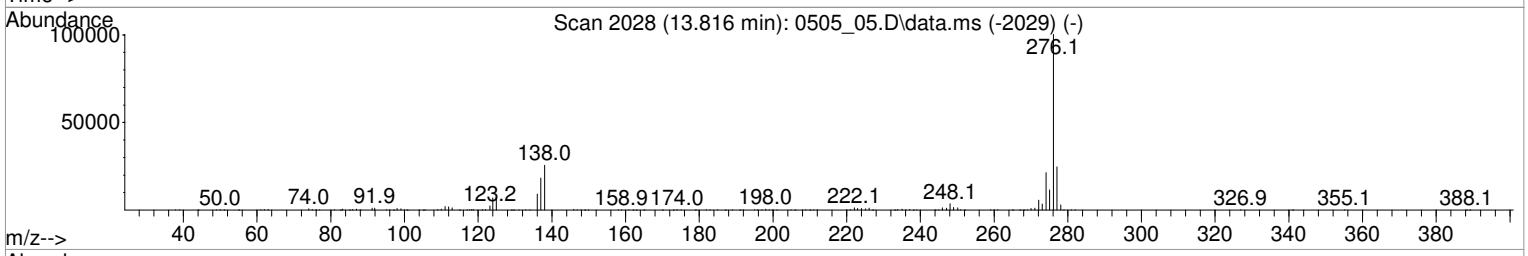
response 2531

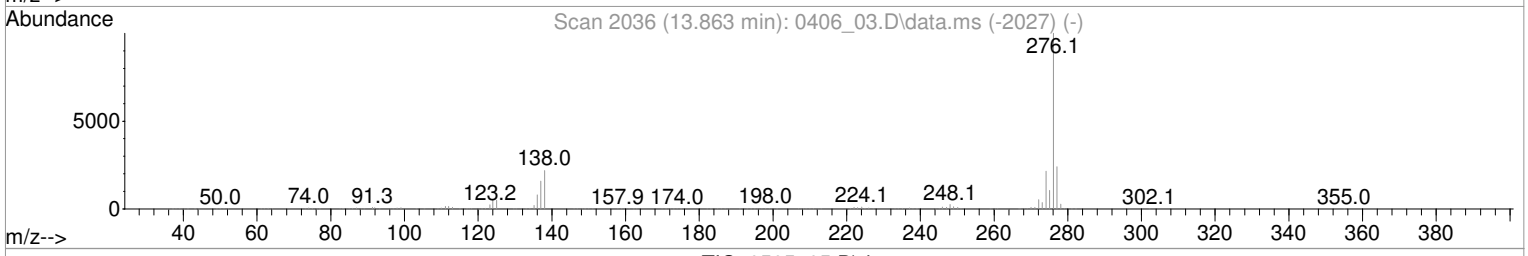
Ion	Exp%	Act%
110.00	100.00	100.00
81.00	30.30	39.21
53.00	19.80	25.68
0.00	0.00	0.00

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_05.D
Acq On : 05 May 2022 12:01 pm
Operator : 917
Sample : LCS 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 51 Sample Multiplier: 1

Quant Time: May 06 12:57:51 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration







TIC: 0505_05.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

13.816min (-0.047) 5376.3804706 ppb

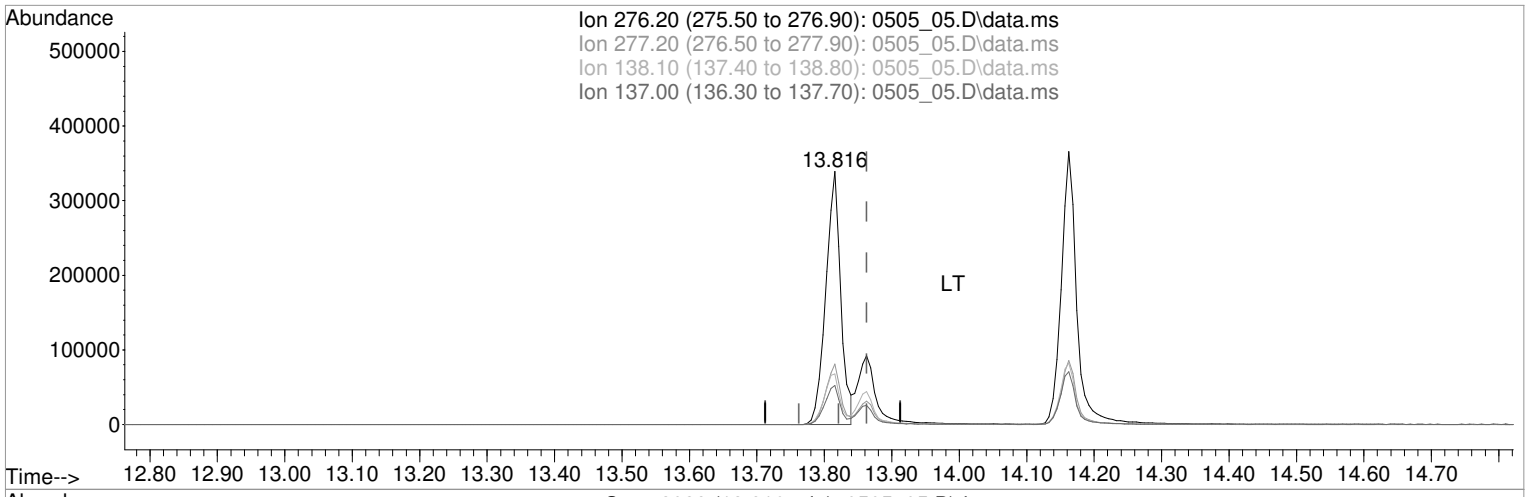
Qvalue = 95

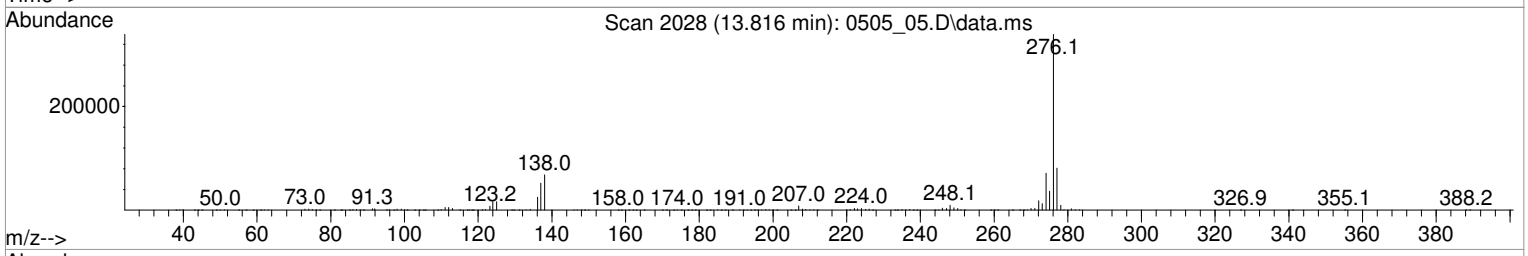
response 452085

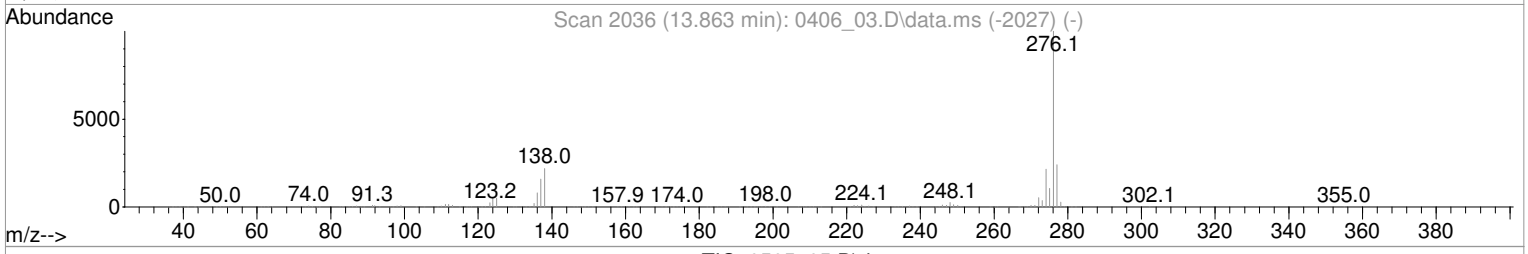
Ion	Exp%	Act%
276.20	100.00	100.00
277.20	24.50	23.91
138.10	24.00	20.00
137.00	17.50	15.39

Data Path : C:\GCMS\1\data\050522\
Data File : 0505_05.D
Acq On : 05 May 2022 12:01 pm
Operator : 917
Sample : LCS 1X WG1858057
Misc : WATER ISTD 22D28021 exp 10/28/22
ALS Vial : 51 Sample Multiplier: 1

Quant Time: May 06 12:57:51 2022
Quant Method : C:\GCMS\1\methods\S833D06V.M
Quant Title : 8270 BNA
QLast Update : Wed Apr 06 13:32:14 2022
Response via : Initial Calibration







TIC: 0505_05.D\data.ms

(98) Indeno(1,2,3-cd)pyrene (MT)

13.816min (-0.047) 6222.2638556 ppb m

response 523213

Ion	Exp%	Act%
276.20	100.00	100.00
277.20	24.50	23.91
138.10	24.00	20.00
137.00	17.50	15.39

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3789362-1	**SDG:**	L1488631
Client Sample ID:	MS	**Collected Date/Time:**	04/28/22 14:10
Lab File ID:	0506A_22	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	BNAMS20	**Preparation Date/Time:**	05/05/22 04:53
Analytical Batch:	WG1858057	**Analysis Date/Time:**	05/06/22 22:07
Dilution Factor:	50	**Prep Method:**	3510C
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	100 mL
Total Solids (%):	_____	**Final Wt/Vol:**	0.5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acenaphthene	83-32-9	5.26	45.6		4.43	50.0
Acenaphthylene	208-96-8	5.14	48.1		4.61	50.0
Anthracene	120-12-7	6.42	46.7		4.02	50.0
Benzoic Acid	65-85-0	3.92	146		85.0	2500
Benzo(a)anthracene	56-55-3	9.10	44.8		9.95	50.0
Benzo(b)fluoranthene	205-99-2	11	43.1		6.50	50.0
Benzo(k)fluoranthene	207-08-9	11.05	45.4		6.00	50.0
Benzo(g,h,i)perylene	191-24-2	14.09	40.1		6.05	50.0
Benzo(a)pyrene	50-32-8	11.64	46.6		1.91	50.0
Carbazole	86-74-8	6.54	45.2		5.55	500
Chrysene	218-01-9	9.15	43.1		6.50	50.0
Dibenz(a,h)anthracene	53-70-3	13.78	31.4		3.22	50.0
Dibenzofuran	132-64-9	5.39	47.4		4.85	500
Fluorene	86-73-7	5.64	44.3		4.22	50.0
Fluoranthene	206-44-0	7.36	48.6		5.10	50.0
Indeno(1,2,3-cd)pyrene	193-39-5	13.73	40.7		14.0	50.0
1-Methylnaphthalene	90-12-0	4.59	45.4		3.95	50.0
2-Methylnaphthalene	91-57-6	4.53	44.1		5.85	50.0
Phenanthrene	85-01-8	6.37	47.1		5.60	50.0
Pyrene	129-00-0	7.59	51.1		5.35	50.0
Naphthalene	91-20-3	4.09	44.4		7.95	50.0
Bis(2-ethylhexyl)phthalate	117-81-7	9.17	U	J6	44.8	150
Di-n-butyl phthalate	84-74-2	6.80	48.9		22.7	150
Di-n-octyl phthalate	117-84-0	10.36	75.6	J5	46.6	150
3&4-Methyl Phenol	3&4-Methyl Phenol	3.56	205		8.40	500
Pentachlorophenol	87-86-5	6.22	53.9		15.7	500
Phenol	108-95-2	3.15	2010	V	217	500

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 10 09:53:45 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.340	152	380735	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.081	136	1569673	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.239	164	904271	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.357	188	1635077	8000.0000000	ppb		0.00
84) Chrysene-d12	9.116	240	1278638	8000.0000000	ppb		0.00
94) Perylene-d12	11.768	264	1131728	8000.0000000	ppb		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	2.687	112	1612	29.7054390	ppb		-0.01
Spiked Amount 4000.000	Range 10 - 120		Recovery = 0.74%#				
7) Phenol-d5	3.146	99	1444	20.8918383	ppb		-0.02
Spiked Amount 4000.000	Range 10 - 120		Recovery = 0.52%#				
24) Nitrobenzene-d5	3.645	82	1493m	22.4855487	ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 1.12%#				
50) 2-Fluorobiphenyl	4.763	172	4251	32.2138978	ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 1.61%#				
73) 2,4,6-Tribromophenol	5.822	330	1237	74.1084268	ppb		-0.01
Spiked Amount 4000.000	Range 10 - 153		Recovery = 1.85%#				
87) p-Terphenyl-d14	7.739	244	5798	38.3894986	ppb		-0.01
Spiked Amount 2000.000	Range 29 - 141		Recovery = 1.92%#				
Target Compounds							Qvalue
5) Aniline	3.151	66	183687	5505.7507915	ppb	#	1
6) bis(2-Chloroethyl)ether	3.175	93	10084m	182.8447804	ppb		
8) Phenol	3.151	94	580006	8028.4175933	ppb		93
9) Benzaldehyde	3.104	105	7824	467.7616797	ppb	#	89
10) 2-Chlorophenol	3.234	128	9132	148.4812758	ppb		93
11) n-Decane	3.222	41	15716	416.0496527	ppb	#	70
12) 1,3-Dichlorobenzene	3.310	146	10137	153.0897075	ppb		92
13) 1,4-Dichlorobenzene	3.345	146	11058m	162.9240039	ppb		
14) Benzyl Alcohol	3.410	79	6868	142.7743506	ppb		97
15) 1,2-Dichlorobenzene	3.434	146	10351	161.6300726	ppb		93
16) bis(2-Chloroisopropyl)...	3.475	121	3630	168.0472760	ppb	#	51
17) 2,2-oxybis(1-chloropro...	3.475	121	3630	168.0472760	ppb	#	51
18) 2-Methylphenol	3.475	108	7504	138.0628820	ppb		96
19) Hexachloroethane	3.628	117	4643	172.6908427	ppb		93
20) N-Nitrosodi-n-propylamine	3.545	70	6470	151.7230151	ppb		88
21) 3&4-Methyl phenol	3.563	107	51149	821.6383484	ppb		96
22) Acetophenone	3.551	105	15877	204.0510911	ppb	#	40
25) Nitrobenzene	3.657	77	9532	153.7091568	ppb		93
26) Isophorone	3.793	82	17262	150.8480808	ppb		90
27) 2-Nitrophenol	3.845	139	5244	169.2563156	ppb	#	63
28) 2,4-Dimethylphenol	3.863	107	9802	160.3719124	ppb		99
29) bis(2-Chlorethoxy)methane	3.904	93	12352	174.8650318	ppb		90
30) 2,4-Dichlorophenol	4.004	162	8697	178.5319037	ppb	#	87
31) Benzoic Acid	3.916	105	17753	585.3657860	ppb	#	32
32) 1,2,4-Trichlorobenzene	4.040	180	9004	171.6521353	ppb		94
33) alpha-terpineol	4.081	59	7863	188.4929211	ppb		82
34) Naphthalene	4.093	128	32225	177.5739969	ppb		99
36) Hexachloro-1,3-butadiene	4.157	225	4747	171.0635261	ppb		97
38) Quinoline	4.304	129	20034	187.2778593	ppb		96
39) Caprolactam	4.322	113	1306	80.4175677	ppb	#	46

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 10 09:53:45 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40)	4-Chloro-3-methylphenol	4.434	107	9997	192.0635780	ppb		96
41)	2-Methylnaphthalene	4.528	142	20927	176.2252853	ppb		97
42)	1-Methylnaphthalene	4.592	142	20608	181.6665075	ppb		97
43)	1,2,4,5-Tetrachloroben...	4.634	216	8472	204.6688810	ppb		99
44)	Diphenyl Ether	4.898	170	14654	222.7296391	ppb	#	62
45)	Diphenyl Oxide	4.898	170	14654	222.7296391	ppb	#	62
47)	Hexachlorocyclopentadiene	4.628	237	2200	59.4360110	ppb		89
48)	2,4,6-Trichlorophenol	4.716	196	6081	173.2874741	ppb	#	86
49)	2,4,5-Trichlorophenol	4.751	196	6975	182.4235657	ppb		94
51)	Biphenyl	4.834	154	27425	179.9627739	ppb	#	71
52)	2-Chloronaphthalene	4.851	162	20768	174.8235759	ppb		96
53)	2-Nitroaniline	4.922	138	7660	187.9660828	ppb		93
54)	Acenaphthylene	5.140	152	34293	192.5108957	ppb		98
55)	Dimethyl phthalate	5.028	163	25049	185.6197628	ppb		97
56)	2,6-Dinitrotoluene	5.081	165	5573	179.8227319	ppb		87
57)	3-Nitroaniline	5.210	138	5533	154.9806611	ppb	#	82
58)	Acenaphthene	5.263	153	22678	182.3841762	ppb		94
60)	Dibenzofuran	5.387	168	31360	189.5098336	ppb		97
61)	2,4-Dinitrotoluene	5.369	165	6747	171.1648749	ppb		96
62)	2,3,4,6-Tetrachlorophenol	5.481	232	4664	175.9157765	ppb		97
63)	4-Nitrophenol	5.357	139	1562	54.2095310	ppb		89
64)	Fluorene	5.639	166	24959	177.1253268	ppb		95
65)	4-Chlorophenyl-phenyle...	5.628	204	12102	191.5136708	ppb		97
66)	Diethyl phthalate	5.534	149	25019	180.5752475	ppb		97
67)	4-Nitroaniline	5.651	138	6050	153.2577632	ppb	#	1
68)	Azobenzene	5.745	77	21806	153.2272271	ppb		93
69)	Atrazine	6.116	200	6356	181.0062913	ppb	#	80
71)	4,6-Dinitro-2-methylph...	5.669	198	3371	984.4932956	ppb	#	80
74)	4-Bromophenyl-phenylether	5.998	248	6823	193.7905364	ppb		96
75)	Hexachlorobenzene	6.057	284	7425	185.8175311	ppb		96
76)	n-octadecane	6.239	55	4381	173.8224783	ppb	#	83
77)	Pentachlorophenol	6.216	266	3870	215.6647220	ppb		94
78)	Phenanthrene	6.375	178	39514	188.4072582	ppb		98
79)	Anthracene	6.416	178	38028	186.7896625	ppb		97
80)	Carbazole	6.539	167	35307	180.9081410	ppb		98
81)	Di-n-butyl phthalate	6.798	149	43988	195.4821621	ppb		98
82)	2-nitrodiphenylamine	6.928	167	7768	944.0146186	ppb		95
83)	Fluoranthene	7.363	202	39739	194.5271298	ppb		98
85)	Benzidine	7.498	184	1445	850.3003438	ppb	#	100
86)	Pyrene	7.586	202	40356	204.2875845	ppb		99
88)	Benzylbutyl phthalate	8.316	149	16964	185.9950519	ppb		94
89)	3,3-Dichlorobenzidine	9.069	252	22290	369.0527666	ppb		99
90)	Benzo(a)anthracene	9.098	228	35717	178.9576546	ppb		96
91)	Chrysene	9.151	228	32131	172.2209057	ppb		98
93)	Di-n-octyl phthalate	10.363	149	29892	302.5614558	ppb		98
95)	Benzo(b)fluoranthene	10.998	252	26692	172.5768323	ppb		99
96)	Benzo(k)fluoranthene	11.051	252	27812m	181.4612901	ppb		
97)	Benzo(a)pyrene	11.639	252	23807	186.2359404	ppb		97
98)	Indeno(1,2,3-cd)pyrene	13.733	276	21197	162.9405939	ppb		95
99)	Dibenz(a,h)anthracene	13.780	278	21445	125.7297582	ppb		95
100)	Benzo(g,h,i)perylene	14.086	276	22430	160.6048443	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 10 09:53:45 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

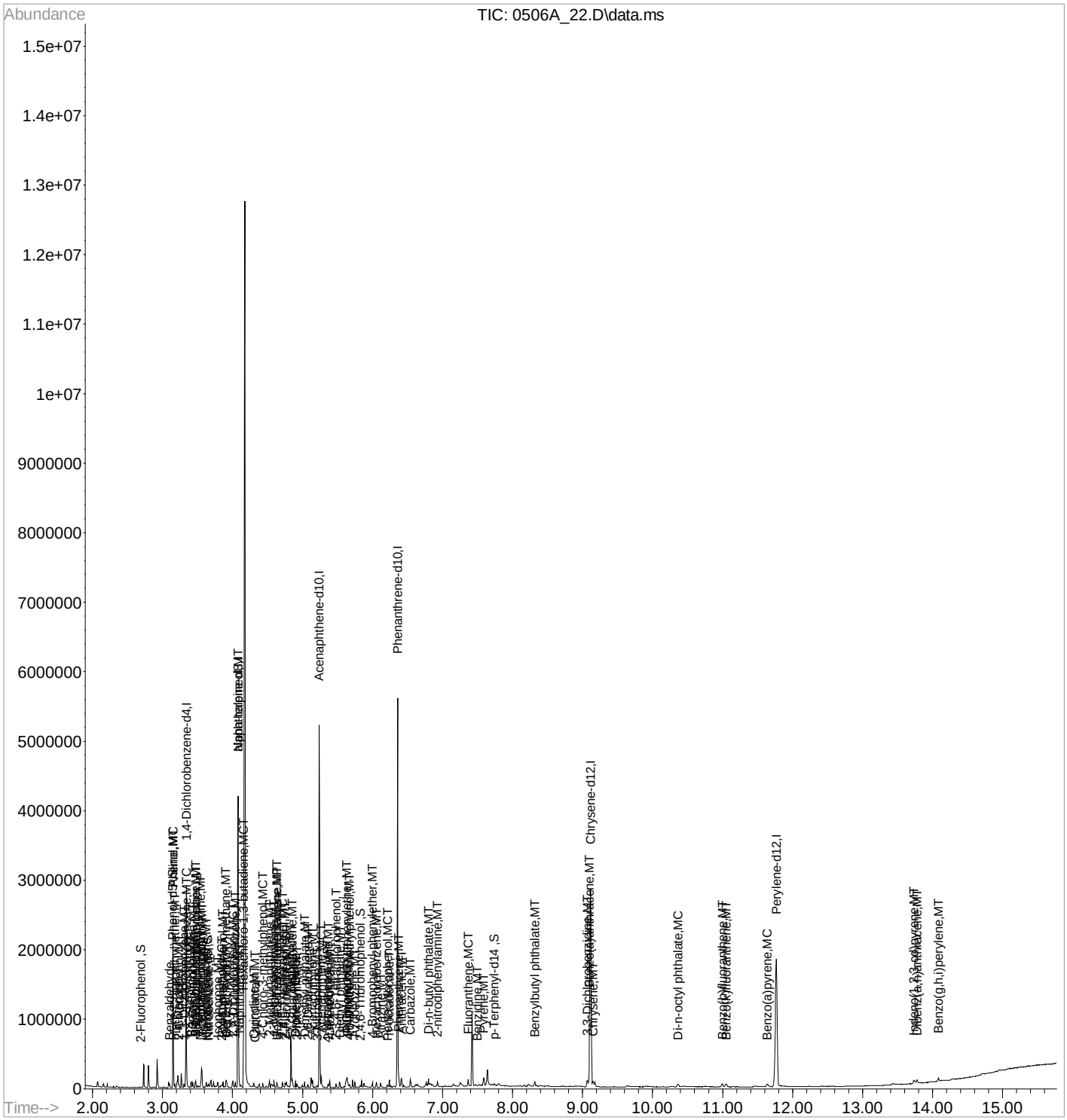
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

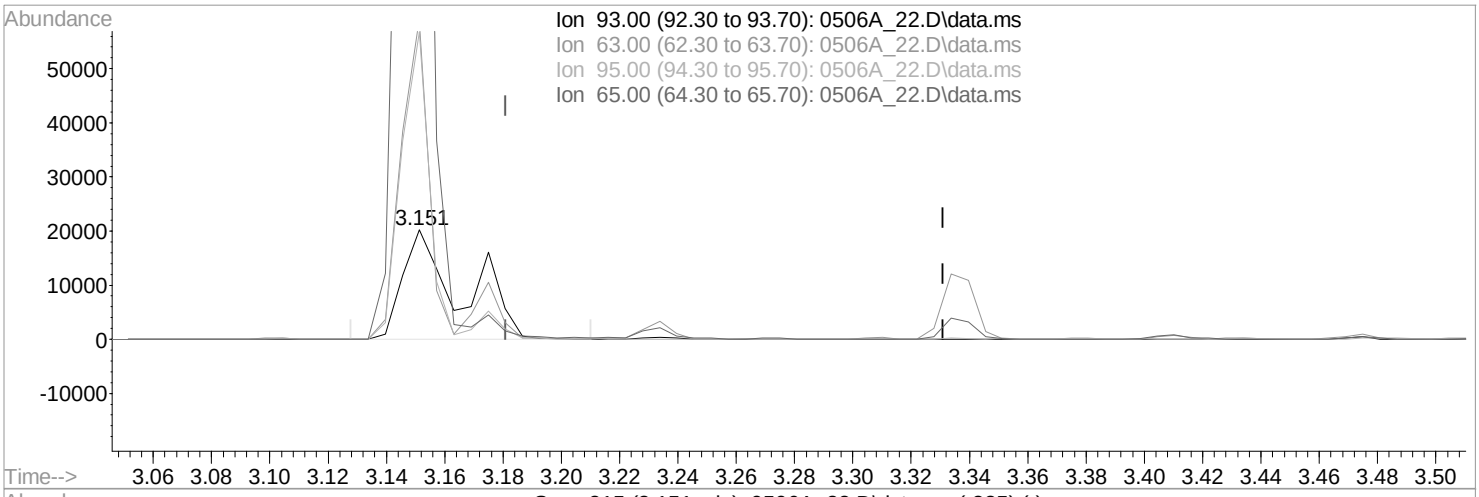
Quant Time: May 10 09:53:45 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

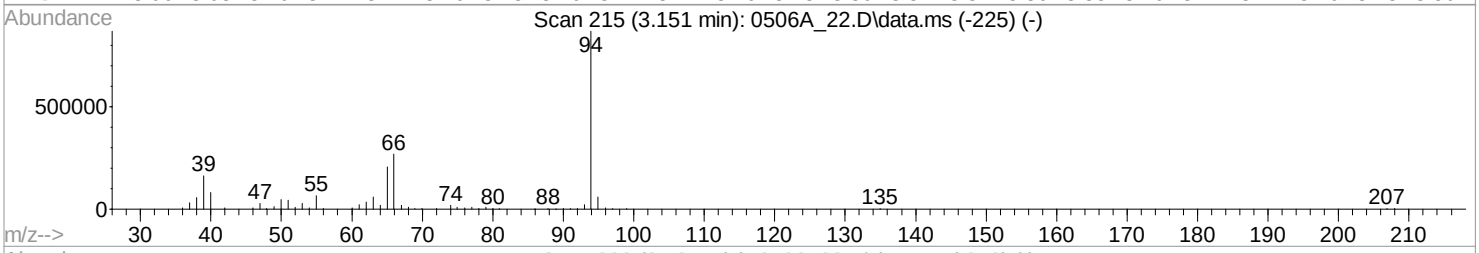


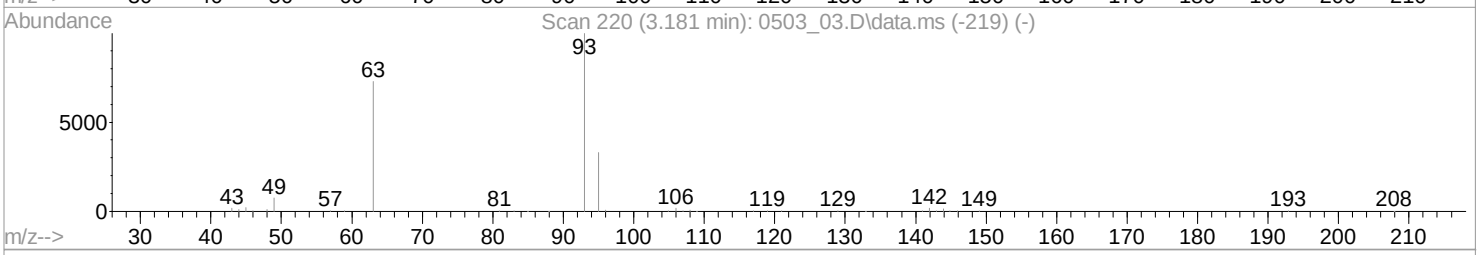
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_22.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.151min (-0.030) 512.7777063 ppb

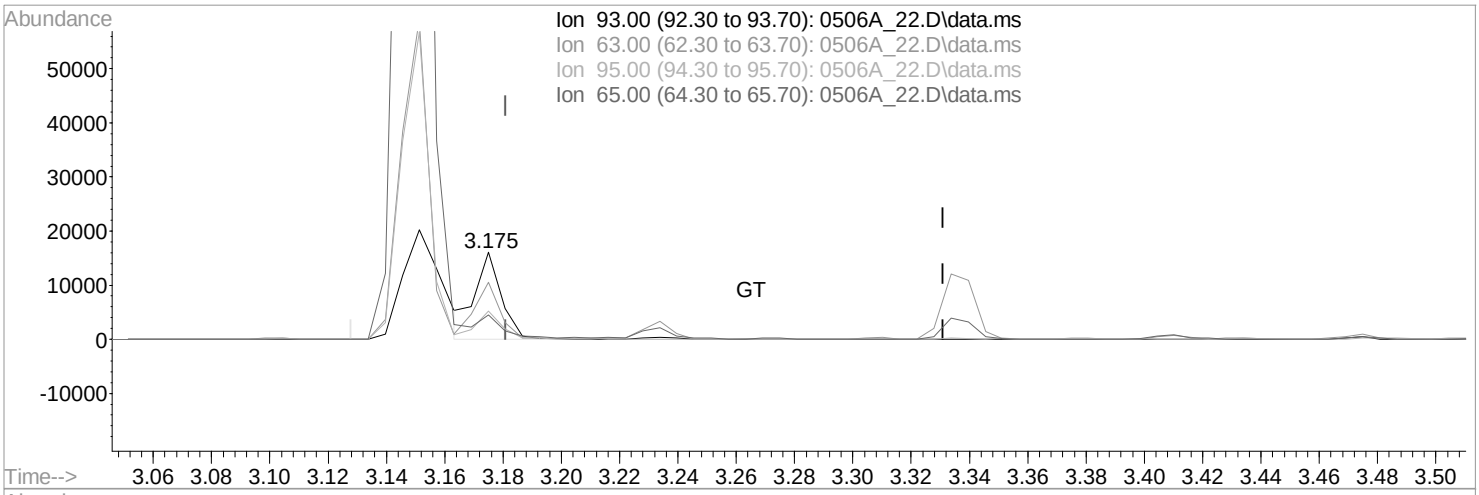
Qvalue = 1

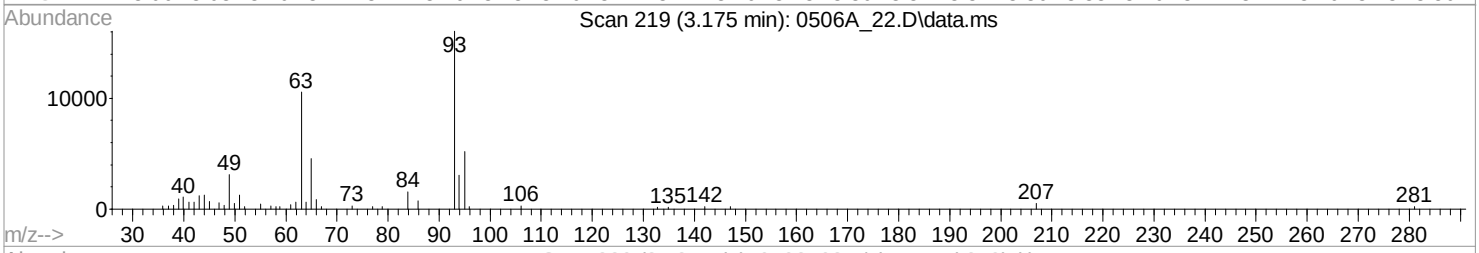
response 28280

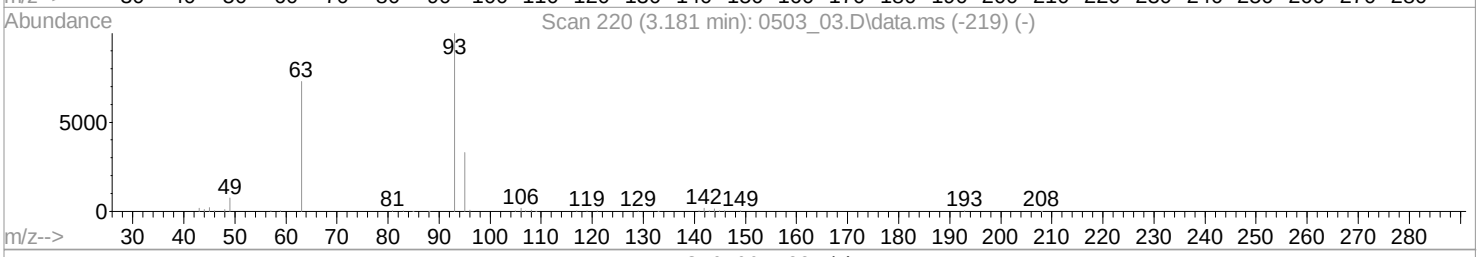
Ion	Exp%	Act%
93.00	100	100
63.00	72.00	292.08#
95.00	33.70	280.94#
65.00	22.90	1021.87#

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_22.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.175min (-0.006) 182.8447804 ppb m

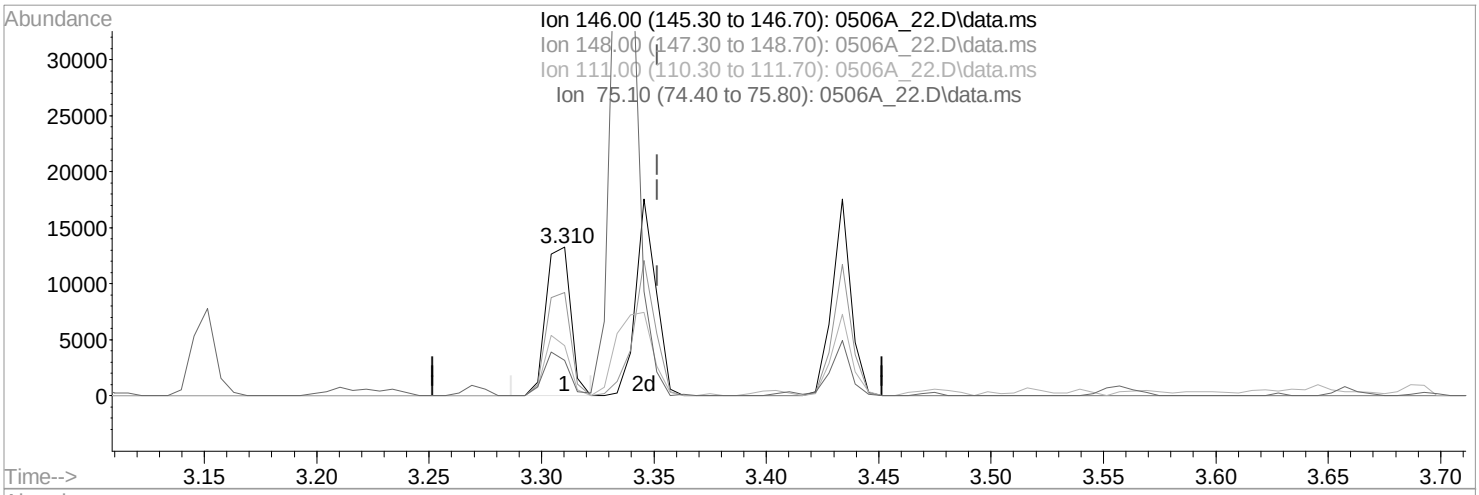
response 10084

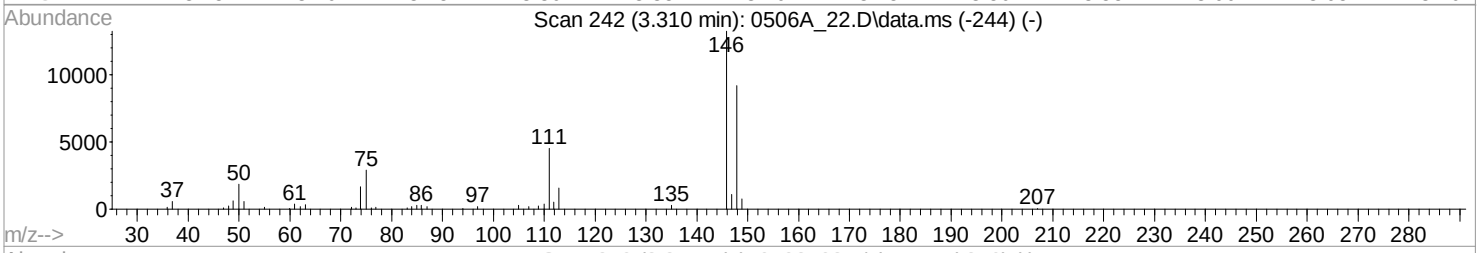
Ion	Exp%	Act%
93.00	100	100
63.00	72.00	65.52
95.00	33.70	32.33
65.00	22.90	28.15

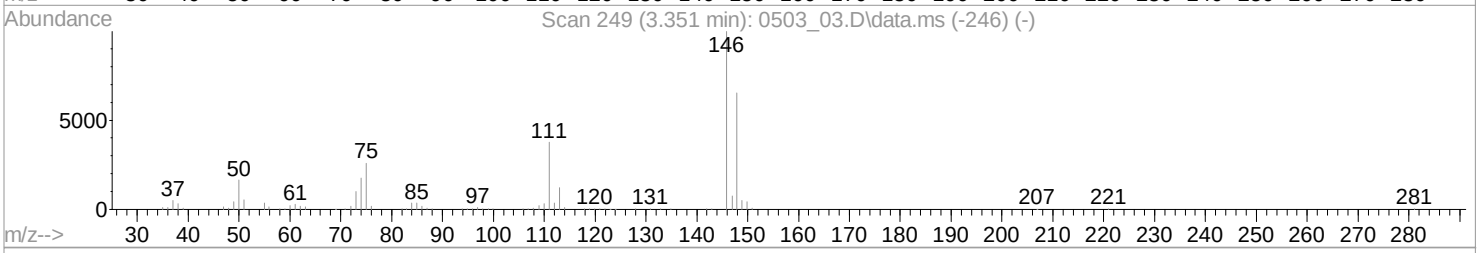
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_22.D\data.ms

(13) 1,4-Dichlorobenzene (MTC)

3.310min (-0.041) 149.3543704 ppb

Qvalue = 95

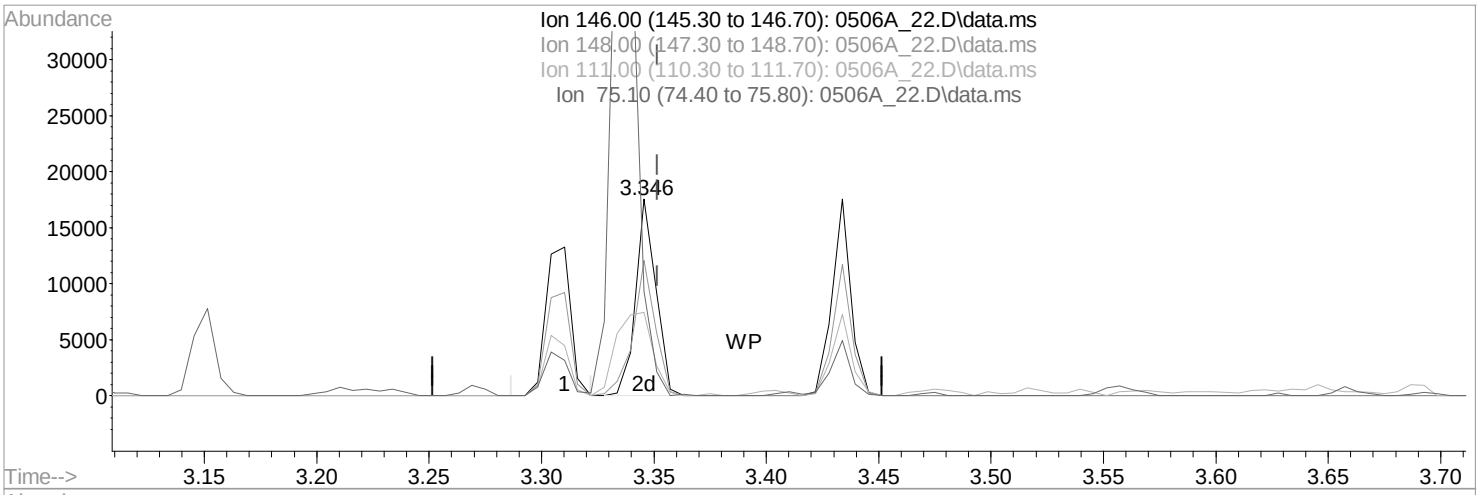
response 10137

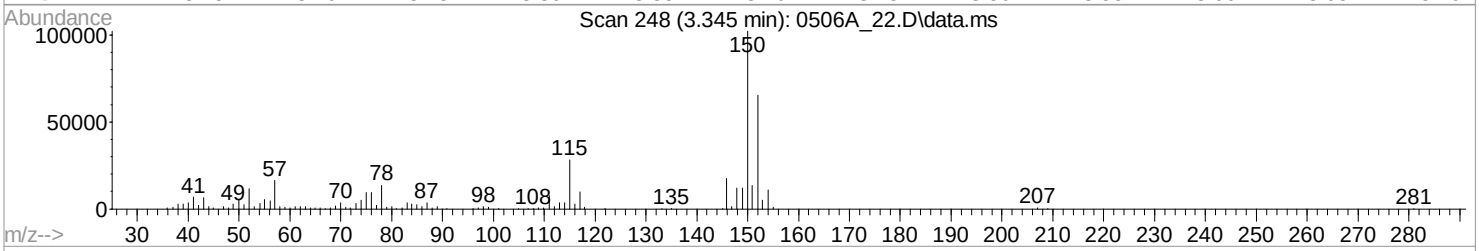
Ion	Exp%	Act%
146.00	100	100
148.00	64.10	69.37
111.00	35.40	33.84
75.10	26.00	23.91

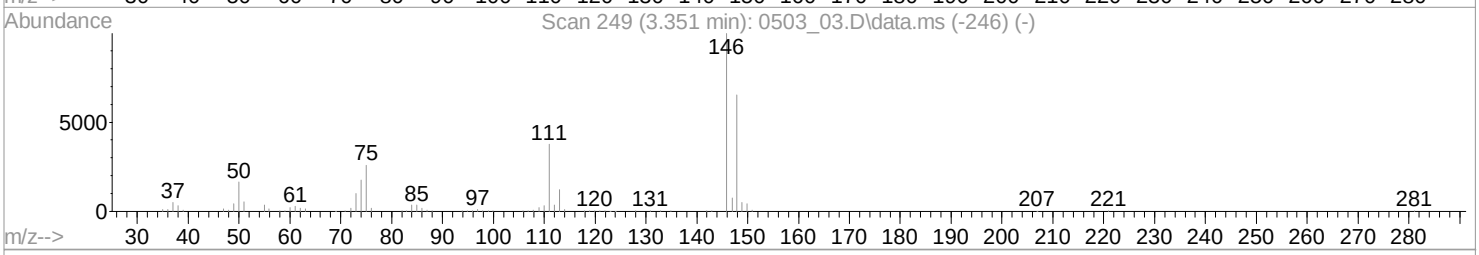
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_22.D\data.ms

(13) 1,4-Dichlorobenzene (MTC)

3.345min (-0.006) 162.9240039 ppb m

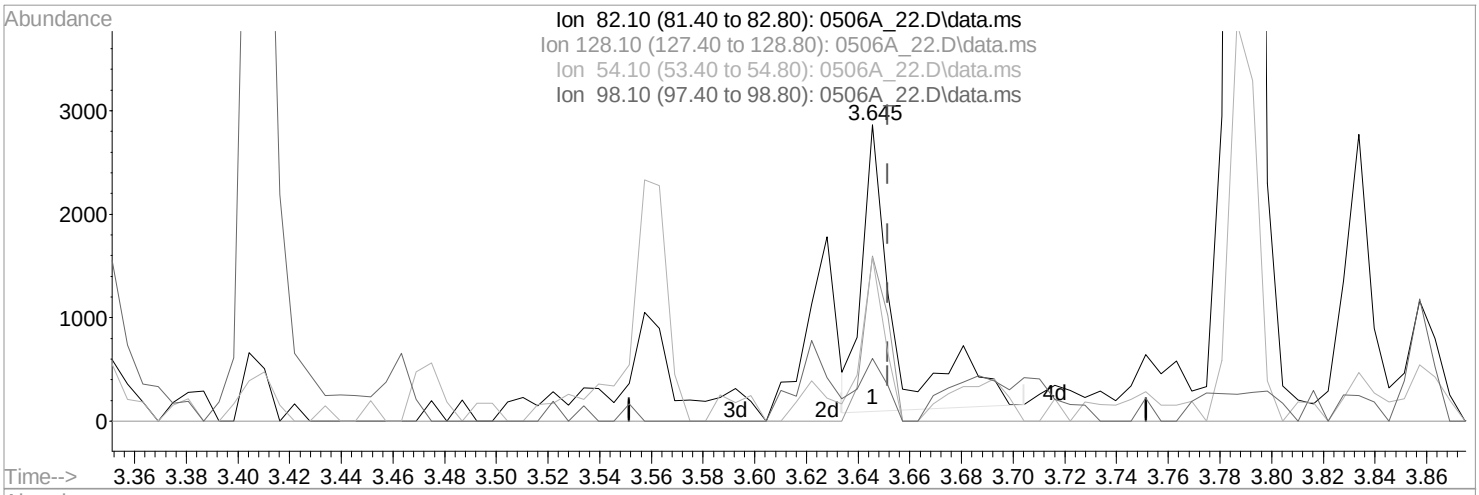
response 11058

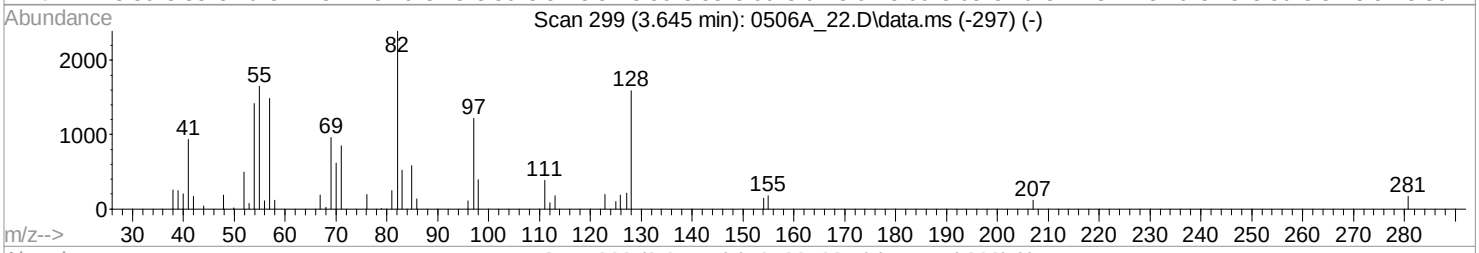
Ion	Exp%	Act%
146.00	100	100
148.00	64.10	68.70
111.00	35.40	42.57
75.10	26.00	53.21#

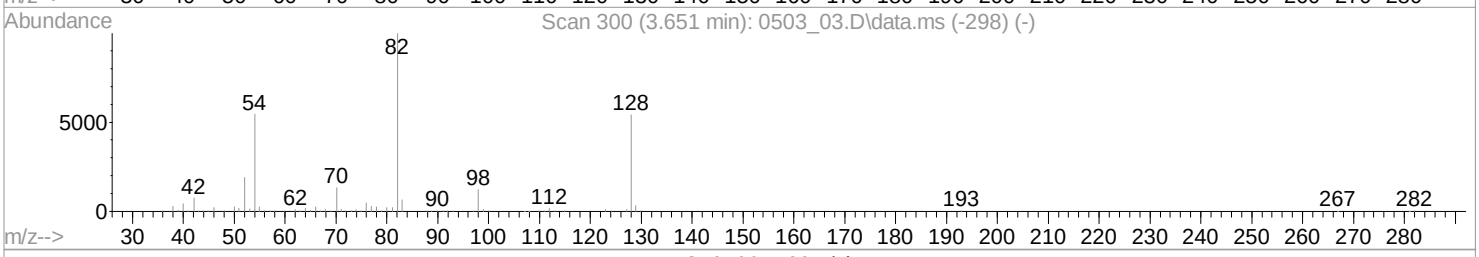
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_22.D\data.ms

(24) Nitrobenzene-d5 (S)

3.645min (-0.006) 36.4317095 ppb

Qvalue = 87

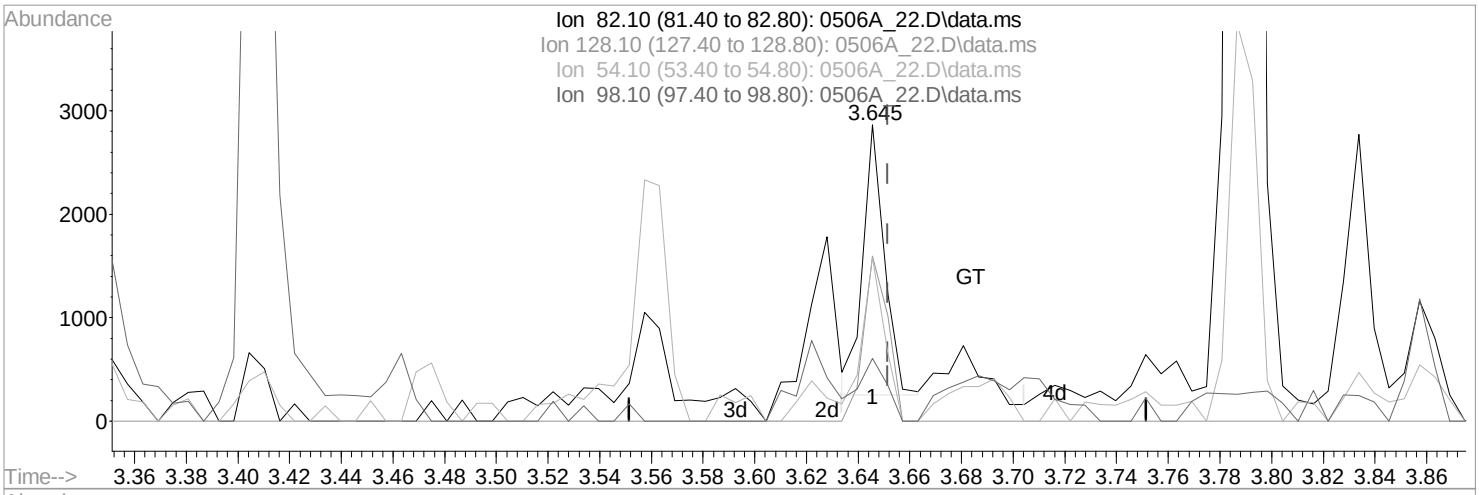
response 2419

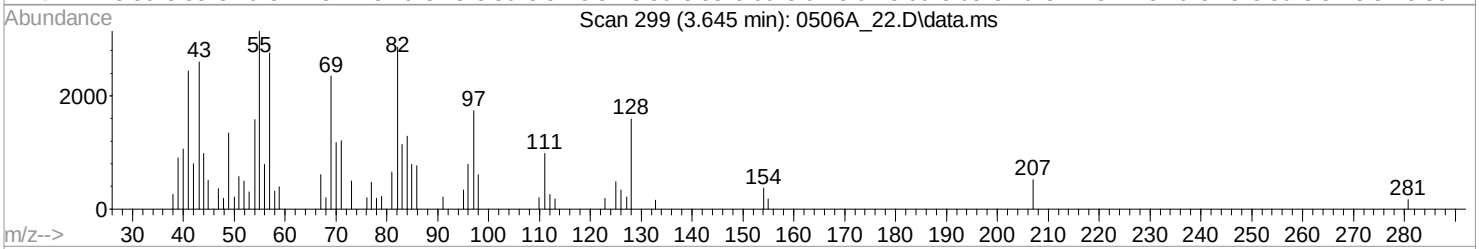
Ion	Exp%	Act%
82.10	100	100
128.10	43.50	58.91
54.10	54.80	58.43
98.10	11.60	14.41

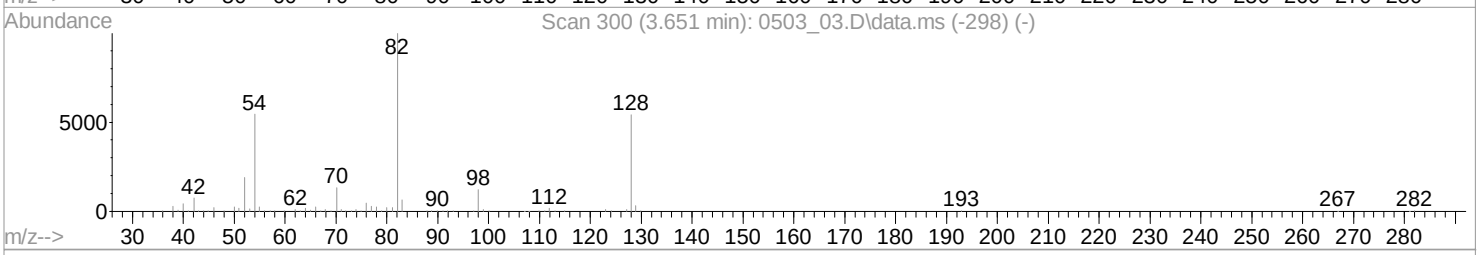
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_22.D\data.ms

(24) Nitrobenzene-d5 (S)

3.645min (-0.006) 22.4855487 ppb m

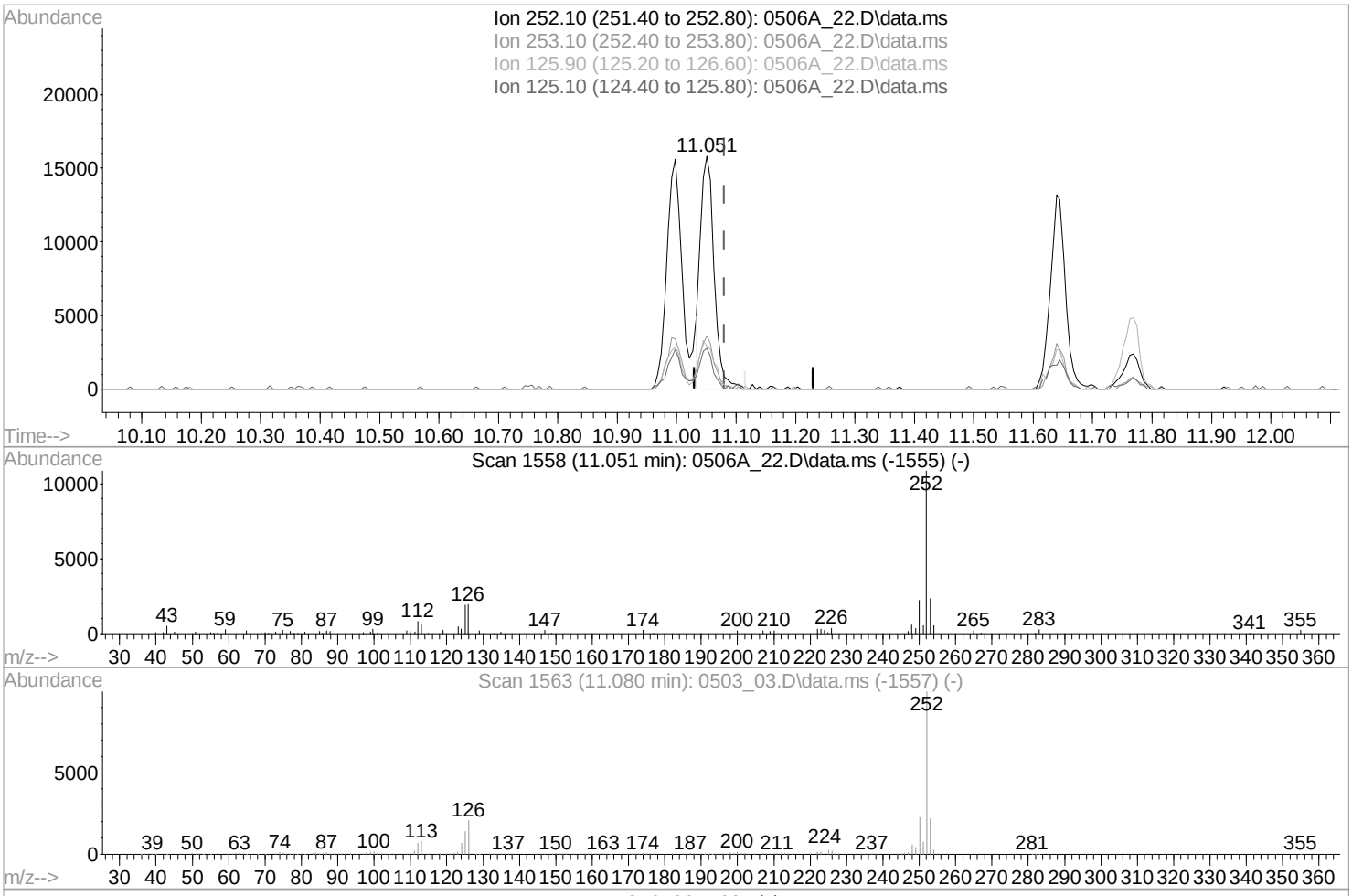
response 1493

Ion	Exp%	Act%
82.10	100	100
128.10	43.50	55.62
54.10	54.80	55.16
98.10	11.60	21.14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0506A_22.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.051min (-0.030) 163.1011553 ppb

Qvalue = 94

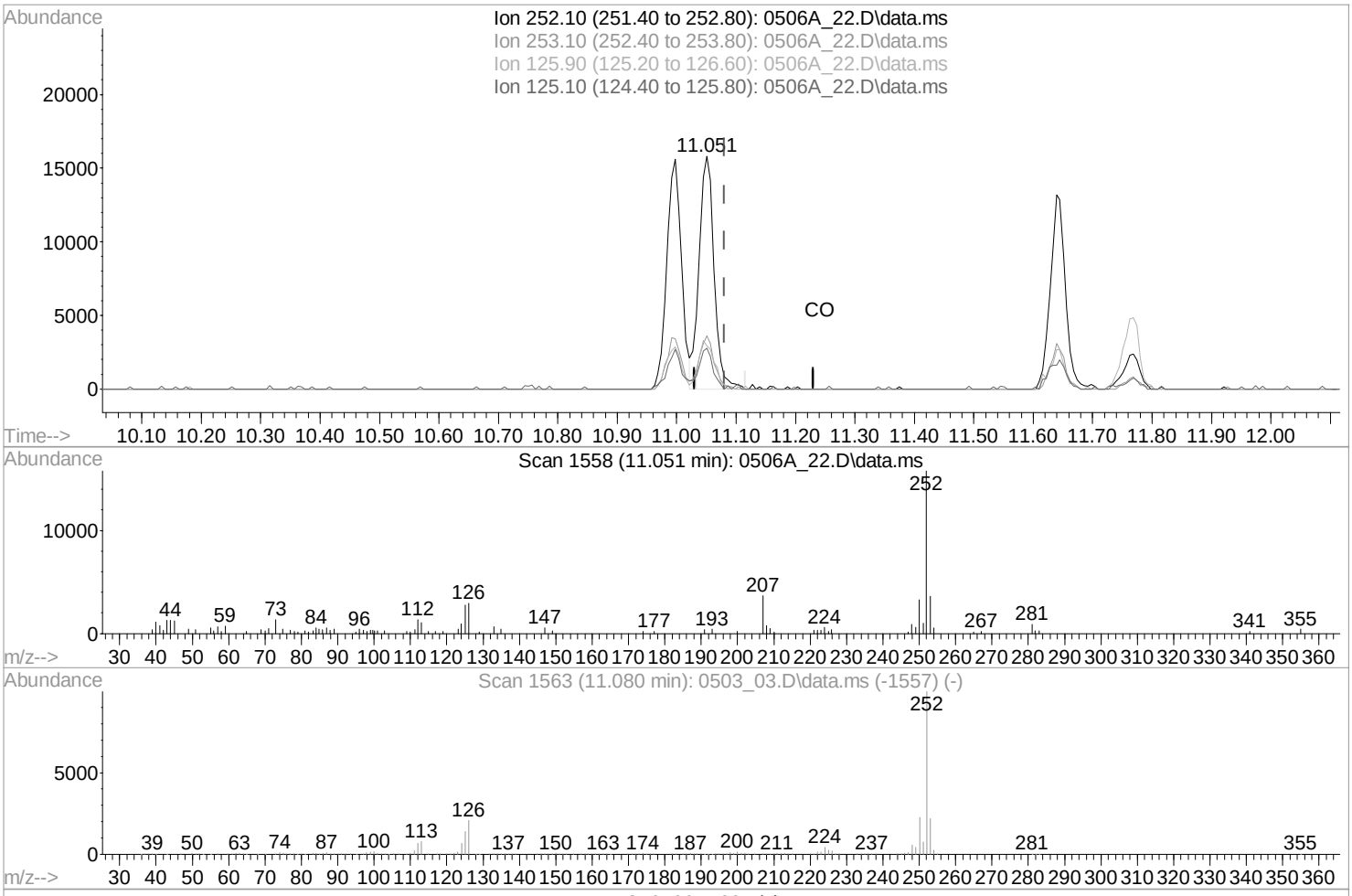
response 24998

Ion	Exp%	Act%
252.10	100	100
253.10	21.70	22.75
125.90	22.10	17.45
125.10	15.60	17.46

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 22.D
Acq On : 6 May 2022 10:07 pm
Operator : 917
Sample : MS 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 47 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:11 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0506A_22.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.051min (-0.030) 181.4612901 ppb m

response 27812

Ion	Exp%	Act%
252.10	100	100
253.10	21.70	22.75
125.90	22.10	18.62
125.10	15.60	17.46

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	R3789362-2	**SDG:**	L1488631
Client Sample ID:	MSD	**Collected Date/Time:**	04/28/22 14:10
Lab File ID:	0506A_23	**Received Date/Time:**	04/30/22 09:00
Instrument ID:	BNAMS20	**Preparation Date/Time:**	05/05/22 04:53
Analytical Batch:	WG1858057	**Analysis Date/Time:**	05/06/22 22:29
Dilution Factor:	50	**Prep Method:**	3510C
Analytical Method:	8270E	**Sample Vol Used:**	_____
Matrix:	GW	**Initial Wt/Vol:**	100 mL
Total Solids (%):	_____	**Final Wt/Vol:**	0.5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acenaphthene	83-32-9	5.26	47.3		4.43	50.0
Acenaphthylene	208-96-8	5.14	49.2		4.61	50.0
Anthracene	120-12-7	6.42	47.9		4.02	50.0
Benzoic Acid	65-85-0	3.92	140		85.0	2500
Benzo(a)anthracene	56-55-3	9.10	46.9		9.95	50.0
Benzo(b)fluoranthene	205-99-2	11	45.0		6.50	50.0
Benzo(k)fluoranthene	207-08-9	11.05	47.9		6.00	50.0
Benzo(g,h,i)perylene	191-24-2	14.09	40.5		6.05	50.0
Benzo(a)pyrene	50-32-8	11.65	49.4		1.91	50.0
Carbazole	86-74-8	6.54	46.8		5.55	500
Chrysene	218-01-9	9.15	44.7		6.50	50.0
Dibenz(a,h)anthracene	53-70-3	13.78	35.0		3.22	50.0
Dibenzofuran	132-64-9	5.39	48.9		4.85	500
Fluorene	86-73-7	5.64	47.2		4.22	50.0
Fluoranthene	206-44-0	7.36	49.6		5.10	50.0
Indeno(1,2,3-cd)pyrene	193-39-5	13.73	40.8		14.0	50.0
1-Methylnaphthalene	90-12-0	4.59	47.2		3.95	50.0
2-Methylnaphthalene	91-57-6	4.53	44.3		5.85	50.0
Phenanthrene	85-01-8	6.37	50.3		5.60	50.0
Pyrene	129-00-0	7.59	53.8		5.35	50.0
Naphthalene	91-20-3	4.09	46.0		7.95	50.0
Bis(2-ethylhexyl)phthalate	117-81-7	9.17	U	J6	44.8	150
Di-n-butyl phthalate	84-74-2	6.80	51.6		22.7	150
Di-n-octyl phthalate	117-84-0	10.36	76.8	J5	46.6	150
3&4-Methyl Phenol	3&4-Methyl Phenol	3.56	199		8.40	500
Pentachlorophenol	87-86-5	6.22	55.8		15.7	500
Phenol	108-95-2	3.15	1940	V	217	500

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
Acq On : 6 May 2022 10:29 pm
Operator : 917
Sample : MSD 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 48 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 10 09:55:01 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.340	152	378602	8000.0000000	ppb		0.00
23) Naphthalene-d8	4.081	136	1573220	8000.0000000	ppb		0.00
46) Acenaphthene-d10	5.240	164	896096	8000.0000000	ppb		0.00
70) Phenanthrene-d10	6.357	188	1623422	8000.0000000	ppb		0.00
84) Chrysene-d12	9.116	240	1275555	8000.0000000	ppb		0.00
94) Perylene-d12	11.769	264	1133368	8000.0000000	ppb		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	2.681	112	1559	28.8906259	ppb		-0.02
Spiked Amount 4000.000	Range 10 - 120		Recovery = 0.72%#				
7) Phenol-d5	3.140	99	1574	22.9009811	ppb		-0.02
Spiked Amount 4000.000	Range 10 - 120		Recovery = 0.57%#				
24) Nitrobenzene-d5	3.646	82	1501m	22.5550661	ppb		0.00
Spiked Amount 2000.000	Range 10 - 126		Recovery = 1.13%#				
50) 2-Fluorobiphenyl	4.763	172	4651	35.5666184	ppb		0.00
Spiked Amount 2000.000	Range 22 - 127		Recovery = 1.78%#				
73) 2,4,6-Tribromophenol	5.822	330	1147	69.2098798	ppb		-0.01
Spiked Amount 4000.000	Range 10 - 153		Recovery = 1.73%#				
87) p-Terphenyl-d14	7.740	244	6156	40.8583908	ppb		-0.01
Spiked Amount 2000.000	Range 29 - 141		Recovery = 2.04%#				
Target Compounds						Qvalue	
5) Aniline	3.152	66	175528	5290.8376026	ppb	#	1
6) bis(2-Chloroethyl)ether	3.175	93	8172m	149.0108824	ppb		
8) Phenol	3.152	94	557586	7761.5637152	ppb		93
9) Benzaldehyde	3.105	105	7920	476.1687373	ppb		87
10) 2-Chlorophenol	3.234	128	8667	141.7145633	ppb		92
11) n-Decane	3.222	41	15314	407.6915262	ppb	#	69
12) 1,3-Dichlorobenzene	3.305	146	10305	156.5036394	ppb		97
13) 1,4-Dichlorobenzene	3.346	146	10819m	160.3007329	ppb		
14) Benzyl Alcohol	3.410	79	6546	136.8471655	ppb		93
15) 1,2-Dichlorobenzene	3.434	146	10605	166.5292134	ppb		92
16) bis(2-Chloroisopropyl)...	3.475	121	3642	169.5526930	ppb	#	54
17) 2,2-oxybis(1-chloropro...	3.475	121	3642	169.5526930	ppb	#	54
18) 2-Methylphenol	3.475	108	7262	134.3631734	ppb		91
19) Hexachloroethane	3.628	117	4177	156.2338010	ppb		87
20) N-Nitrosodi-n-propylamine	3.546	70	7133	168.2129031	ppb		82
21) 3&4-Methyl phenol	3.563	107	49312	796.5922356	ppb		96
22) Acetophenone	3.552	105	15546	200.9227152	ppb	#	39
25) Nitrobenzene	3.657	77	9688	155.8725233	ppb		92
26) Isophorone	3.787	82	18101	157.8232471	ppb		95
27) 2-Nitrophenol	3.846	139	5430	174.8645436	ppb	#	61
28) 2,4-Dimethylphenol	3.863	107	10596	172.9717936	ppb		88
29) bis(2-Chlorethoxy)methane	3.904	93	12414	175.3465229	ppb		94
30) 2,4-Dichlorophenol	4.004	162	8176	167.4584156	ppb		88
31) Benzoic Acid	3.916	105	16991	558.9774019	ppb	#	32
32) 1,2,4-Trichlorobenzene	4.040	180	9102	173.1291849	ppb		96
33) alpha-terpineol	4.081	59	8500	203.3037662	ppb		87
34) Naphthalene	4.093	128	33459	183.9581909	ppb		99
36) Hexachloro-1,3-butadiene	4.157	225	4715	169.5272880	ppb		96
38) Quinoline	4.304	129	19935	185.9322549	ppb		94
39) Caprolactam	4.316	113	1207m	74.1540296	ppb		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
Acq On : 6 May 2022 10:29 pm
Operator : 917
Sample : MSD 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 48 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 10 09:55:01 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
40)	4-Chloro-3-methylphenol	4.434	107	9408	180.3401227 ppb		92
41)	2-Methylnaphthalene	4.528	142	21065	176.9874372 ppb		98
42)	1-Methylnaphthalene	4.593	142	21463	188.7770417 ppb		98
43)	1,2,4,5-Tetrachloroben...	4.634	216	9017	217.3440056 ppb		99
44)	Diphenyl Ether	4.899	170	14910	226.1097026 ppb	#	63
45)	Diphenyl Oxide	4.899	170	14910	226.1097026 ppb	#	63
47)	Hexachlorocyclopentadiene	4.628	237	1703	46.4286104 ppb		95
48)	2,4,6-Trichlorophenol	4.716	196	6367	183.0927224 ppb		91
49)	2,4,5-Trichlorophenol	4.751	196	7293	192.4806189 ppb		91
51)	Biphenyl	4.834	154	27381	181.3131956 ppb	#	71
52)	2-Chloronaphthalene	4.851	162	21118	179.3916292 ppb		97
53)	2-Nitroaniline	4.922	138	7954	196.9610598 ppb		94
54)	Acenaphthylene	5.140	152	34697	196.5557829 ppb		98
55)	Dimethyl phthalate	5.028	163	25264	188.9208964 ppb		99
56)	2,6-Dinitrotoluene	5.081	165	5670	184.6216685 ppb		88
57)	3-Nitroaniline	5.210	138	6268	177.1698800 ppb	#	77
58)	Acenaphthene	5.263	153	23317	189.2339880 ppb		94
60)	Dibenzofuran	5.387	168	32072	195.5806135 ppb		99
61)	2,4-Dinitrotoluene	5.369	165	6932	177.4624837 ppb		93
62)	2,3,4,6-Tetrachlorophenol	5.481	232	4900	186.5032449 ppb		98
63)	4-Nitrophenol	5.357	139	1606	56.2450394 ppb		84
64)	Fluorene	5.640	166	26331	188.5666568 ppb		93
65)	4-Chlorophenyl-phenyle...	5.628	204	12254	195.6881703 ppb		97
66)	Diethyl phthalate	5.534	149	26014	189.4695711 ppb		95
67)	4-Nitroaniline	5.651	138	6019	153.8634676 ppb	#	1
68)	Azobenzene	5.746	77	22546	159.8724026 ppb		90
69)	Atrazine	6.116	200	6688	192.1985516 ppb	#	82
71)	4,6-Dinitro-2-methylph...	5.669	198	3475	989.6340447 ppb		87
74)	4-Bromophenyl-phenylether	5.998	248	7392	211.4588832 ppb		95
75)	Hexachlorobenzene	6.057	284	7930	199.8803941 ppb		96
76)	n-octadecane	6.240	55	5768	230.4967035 ppb	#	91
77)	Pentachlorophenol	6.216	266	4030	223.1067954 ppb		94
78)	Phenanthrene	6.375	178	41920	201.3143302 ppb		97
79)	Anthracene	6.416	178	38737	191.6382155 ppb		99
80)	Carbazole	6.540	167	36244	187.0424565 ppb		99
81)	Di-n-butyl phthalate	6.798	149	46090	206.2939104 ppb		99
82)	2-nitrodiphenylamine	6.928	167	8011	949.5921081 ppb		94
83)	Fluoranthene	7.363	202	40255	198.4677098 ppb		98
85)	Benzidine	7.492	184	2946	864.6192306 ppb	#	100
86)	Pyrene	7.587	202	42363	214.9656090 ppb		98
88)	Benzylbutyl phthalate	8.316	149	18427	202.5238526 ppb		99
89)	3,3-Dichlorobenzidine	9.069	252	22668	376.2183882 ppb		98
90)	Benzo(a)anthracene	9.098	228	37147	187.4892529 ppb		94
91)	Chrysene	9.151	228	33275	178.7837773 ppb		98
93)	Di-n-octyl phthalate	10.363	149	30891	307.2891857 ppb		99
95)	Benzo(b)fluoranthene	10.998	252	27869	179.9259801 ppb		98
96)	Benzo(k)fluoranthene	11.051	252	29397m	191.5251894 ppb		
97)	Benzo(a)pyrene	11.645	252	25299	197.6210915 ppb		96
98)	Indeno(1,2,3-cd)pyrene	13.733	276	21257	163.1653670 ppb		96
99)	Dibenz(a,h)anthracene	13.780	278	23530	139.9689520 ppb		98
100)	Benzo(g,h,i)perylene	14.086	276	22658	162.0026259 ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
Acq On : 6 May 2022 10:29 pm
Operator : 917
Sample : MSD 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 48 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 10 09:55:01 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
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Operator : 917
Sample : MSD 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
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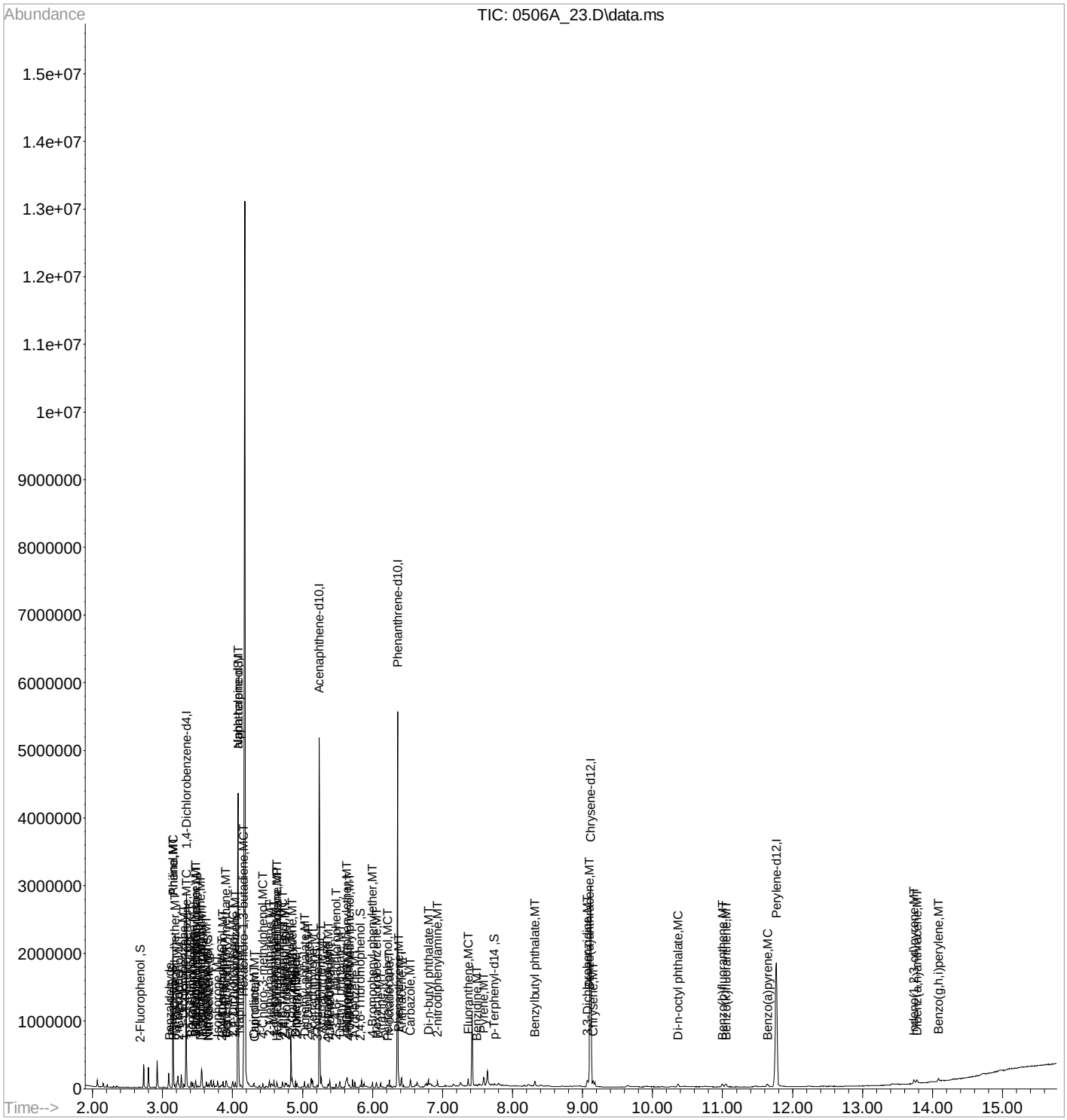
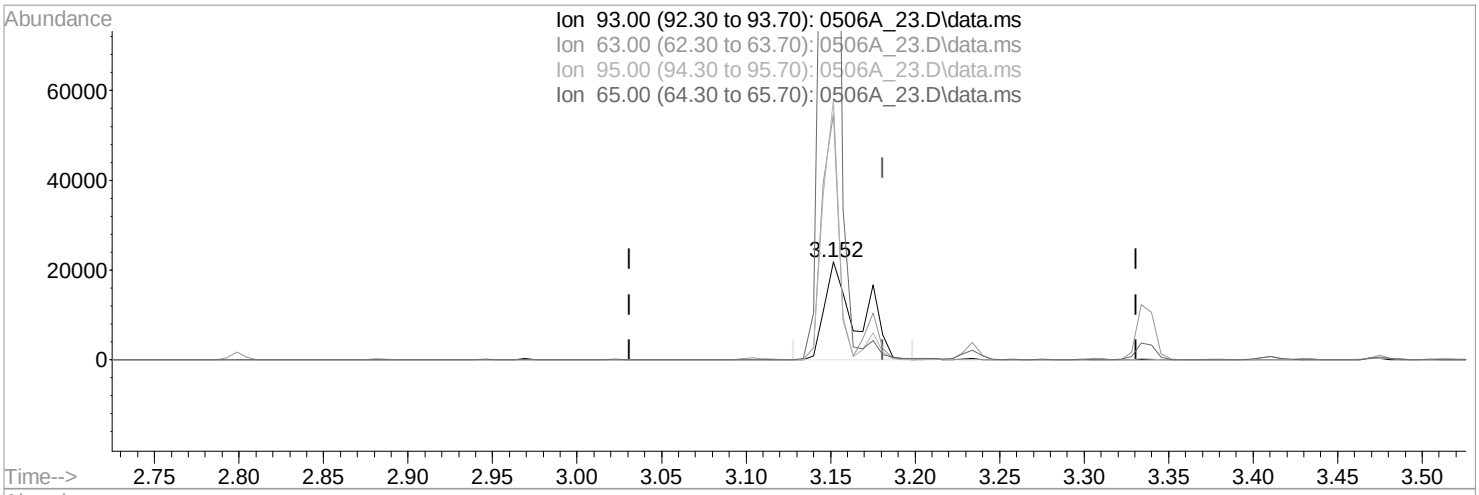
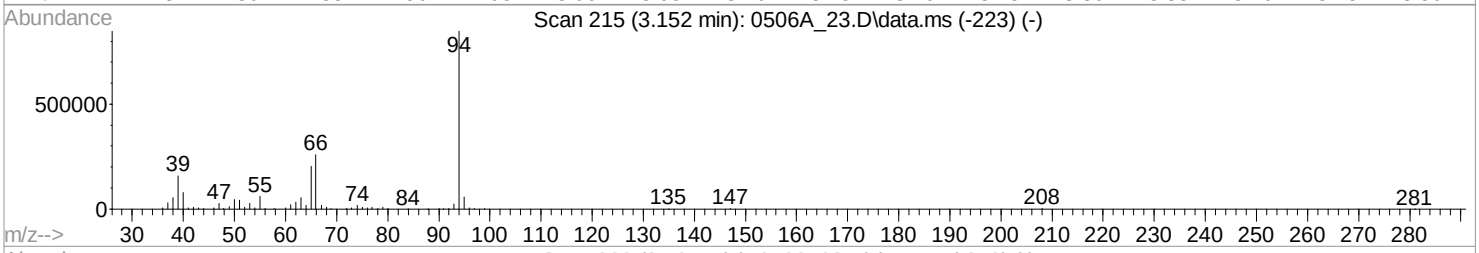


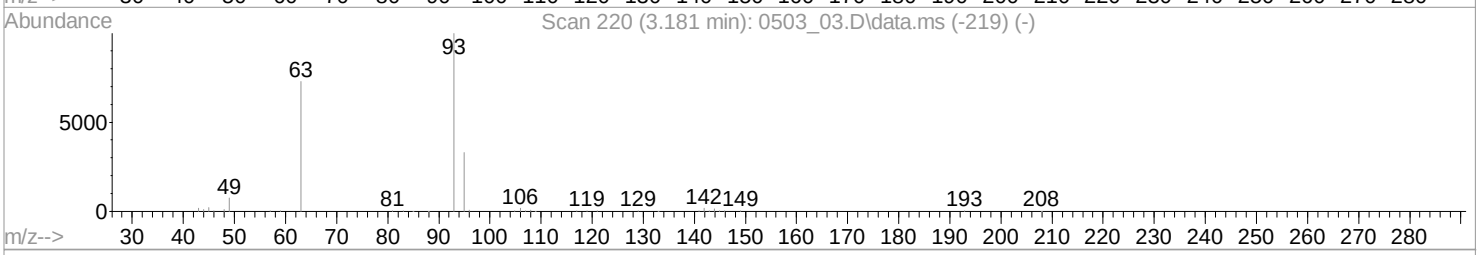
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
Acq On : 6 May 2022 10:29 pm
Operator : 917
Sample : MSD 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 48 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:15 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_23.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.152min (-0.029) 540.0094571 ppb

Qvalue = 1

response 29615

Ion	Exp%	Act%
93.00	100	100
63.00	72.00	250.42#
95.00	33.70	265.06#
65.00	22.90	930.55#

Quantitation Report (Qedit)

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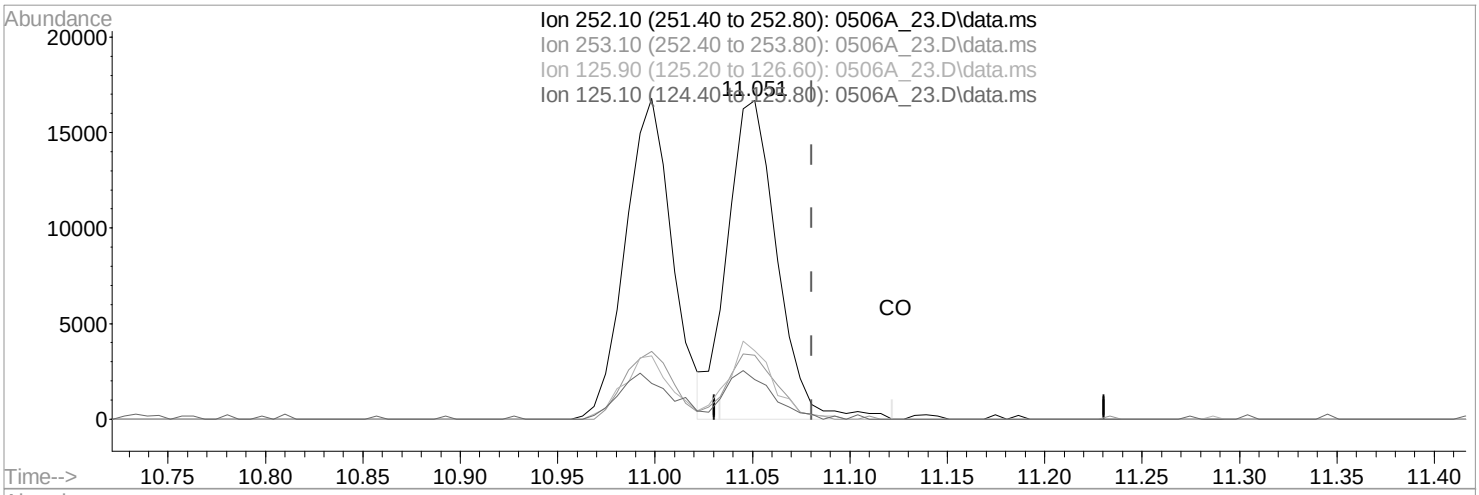
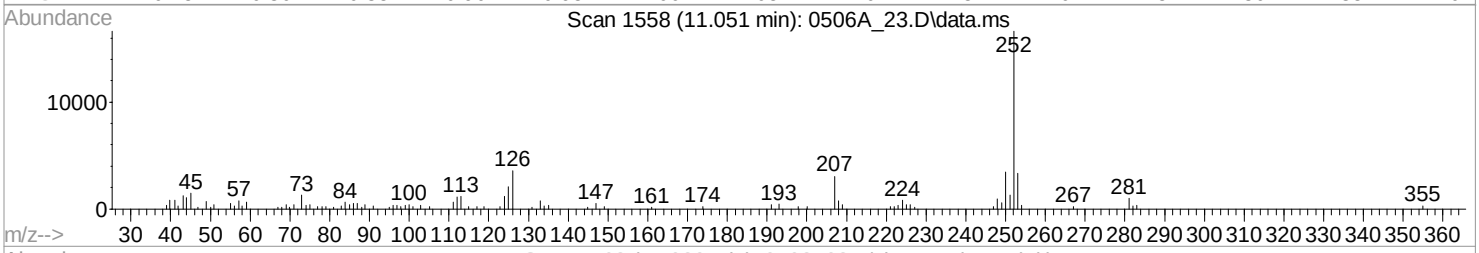
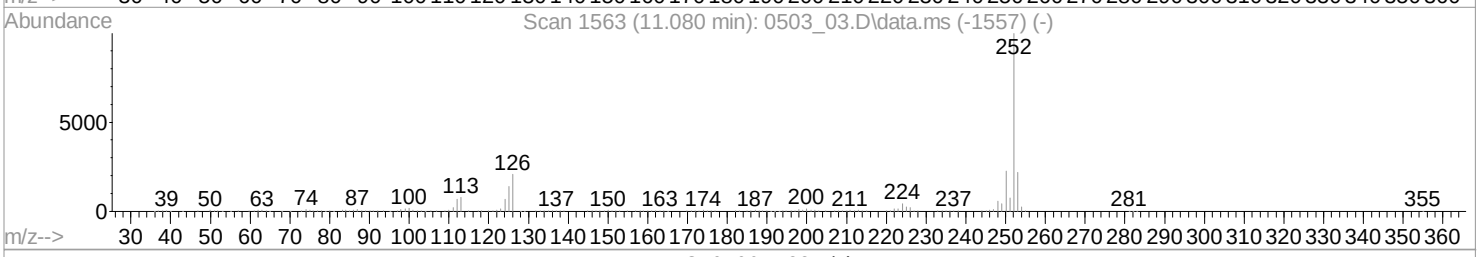
ALS Vial : 48 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:15 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_23.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.051min (-0.029) 191.5251894 ppb m

response 29397

Ion	Exp%	Act%
252.10	100	100
253.10	21.70	20.05
125.90	22.10	21.39
125.10	15.60	12.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
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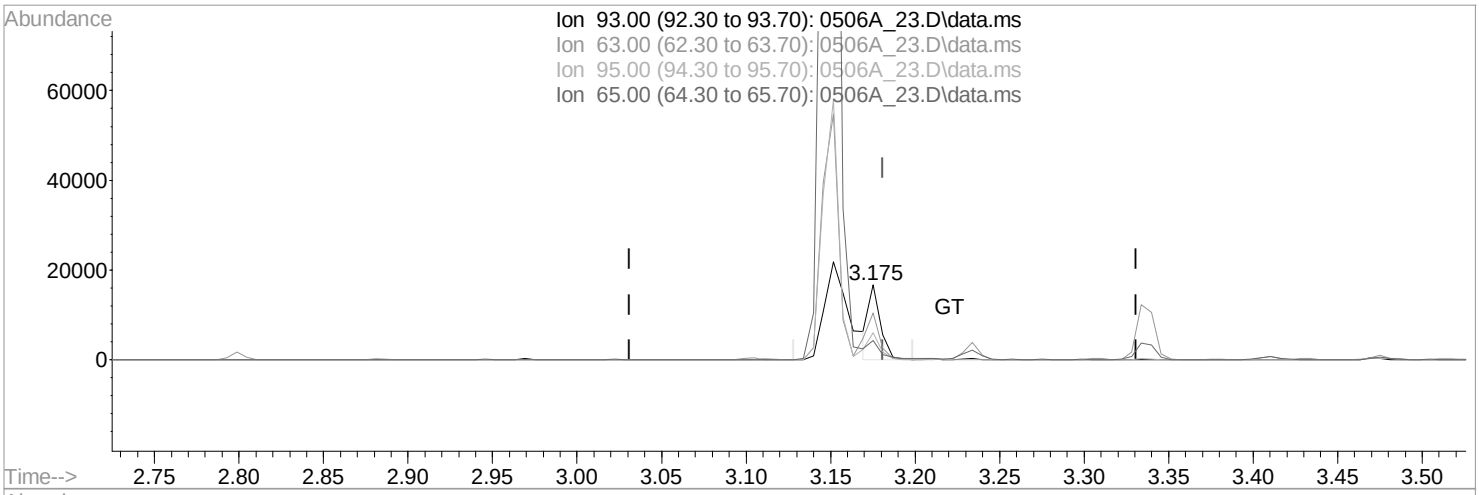
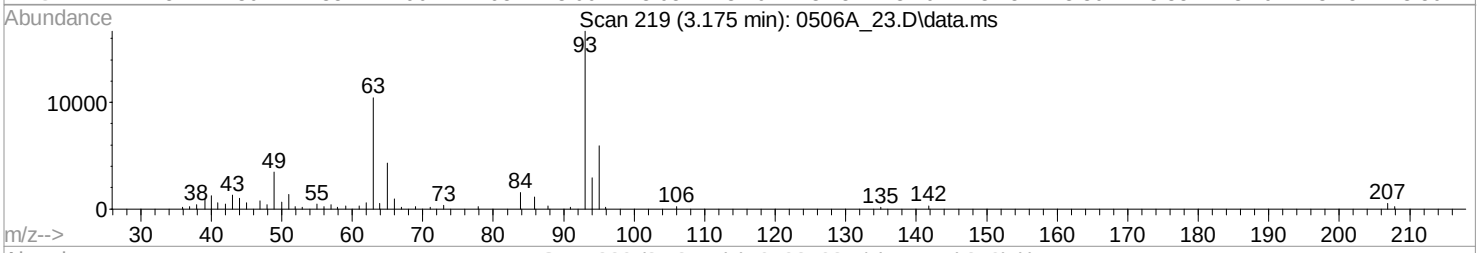
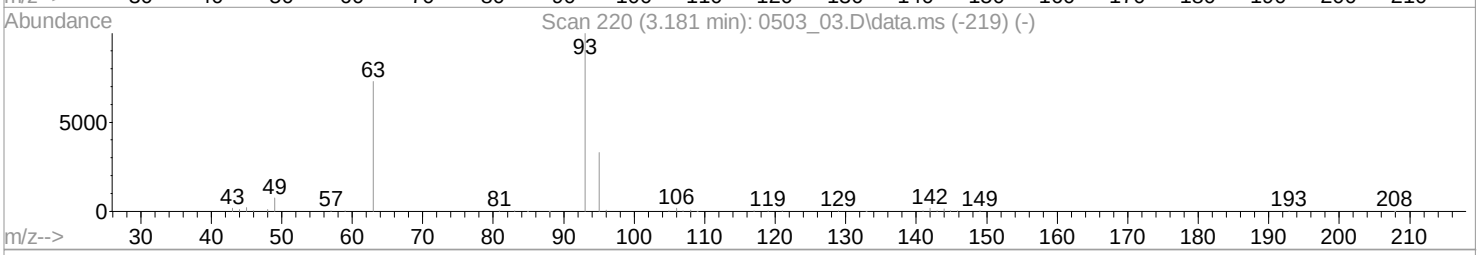
ALS Vial : 48 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:15 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_23.D\data.ms

(6) bis(2-Chloroethyl)ether (MT)

3.175min (-0.006) 149.0108824 ppb m

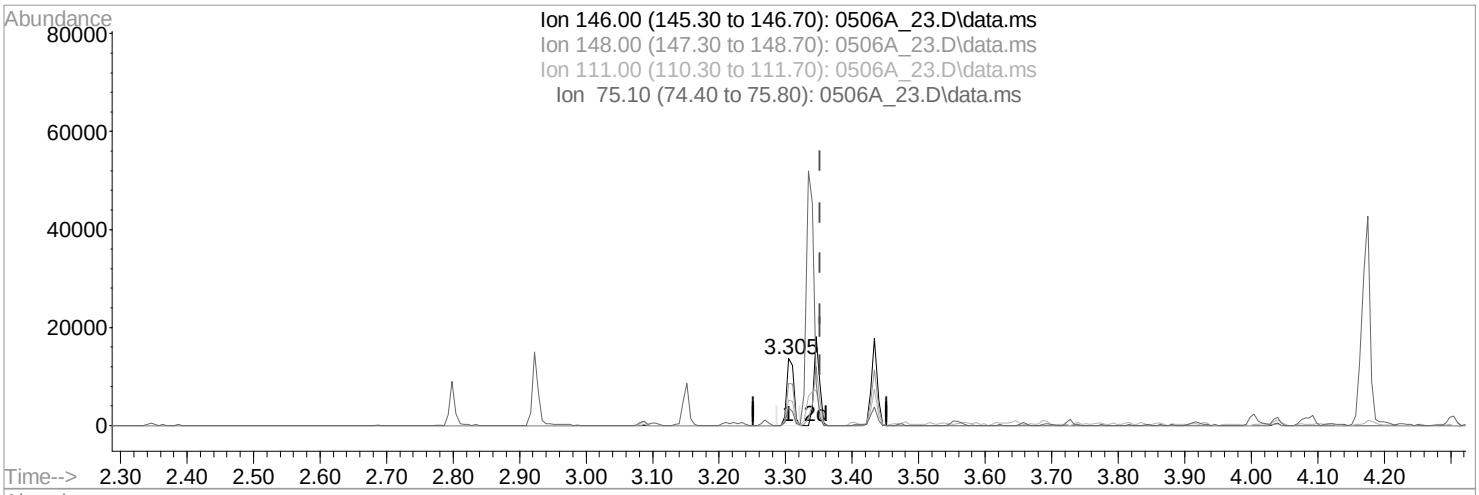
response 8172

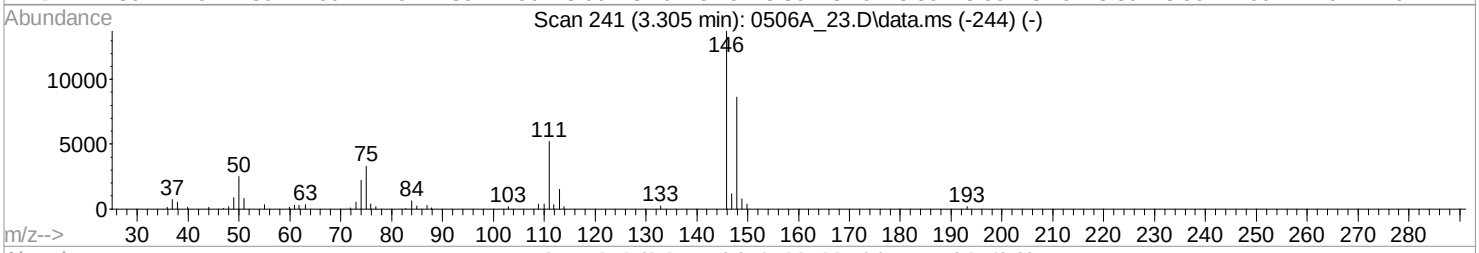
Ion	Exp%	Act%
93.00	100	100
63.00	72.00	62.57
95.00	33.70	35.56
65.00	22.90	25.67

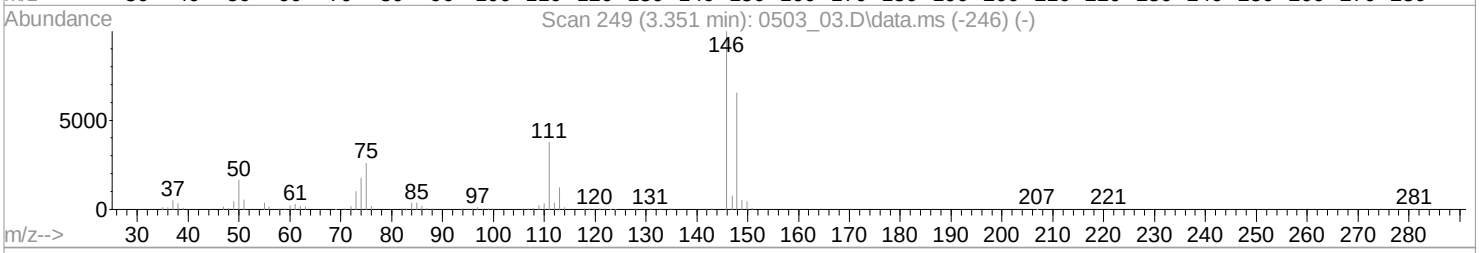
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
Acq On : 6 May 2022 10:29 pm
Operator : 917
Sample : MSD 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 48 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:15 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_23.D\data.ms

(13) 1,4-Dichlorobenzene (MTC)

3.305min (-0.047) 152.6850035 ppb

Qvalue = 98

response 10305

Ion	Exp%	Act%
146.00	100	100
148.00	64.10	62.88
111.00	35.40	37.81
75.10	26.00	26.04

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
Acq On : 6 May 2022 10:29 pm
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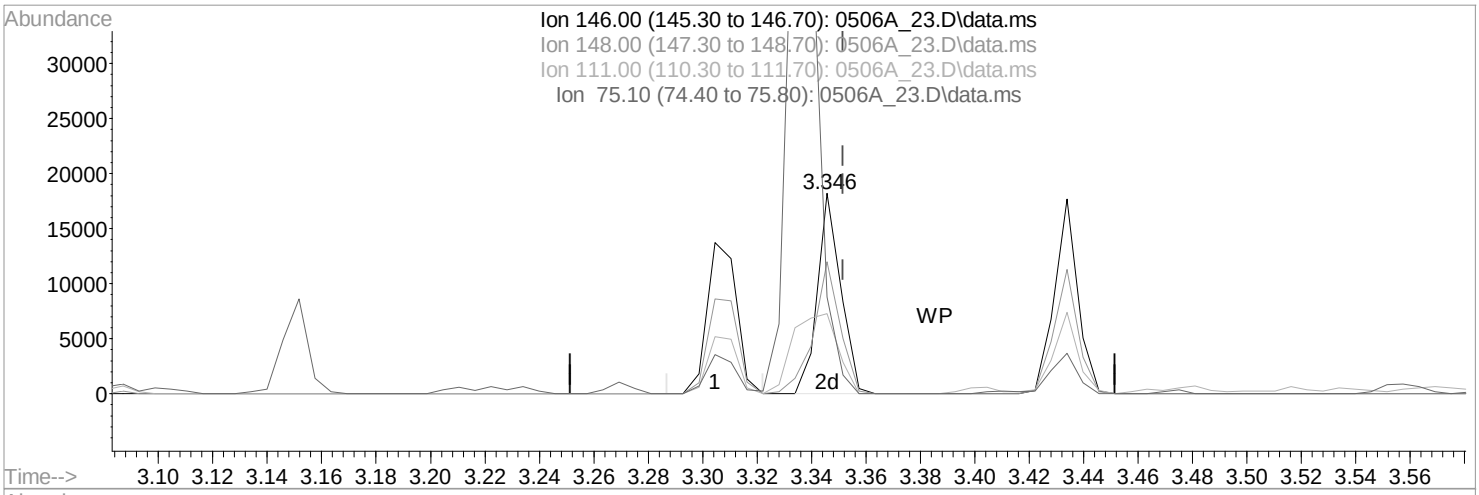
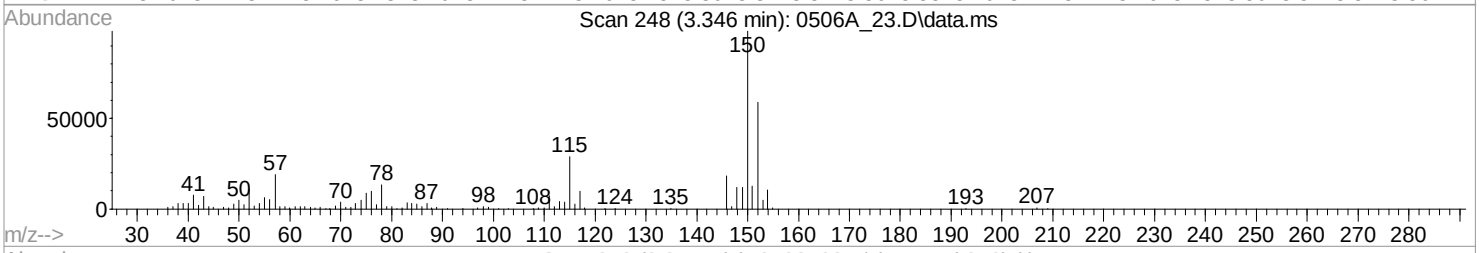
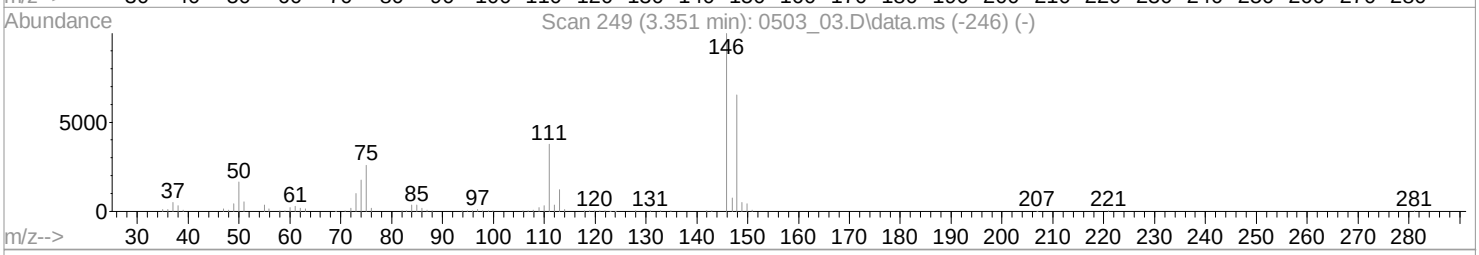
ALS Vial : 48 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:15 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_23.D\data.ms

(13) 1,4-Dichlorobenzene (MTC)

3.346min (-0.006) 160.3007329 ppb m

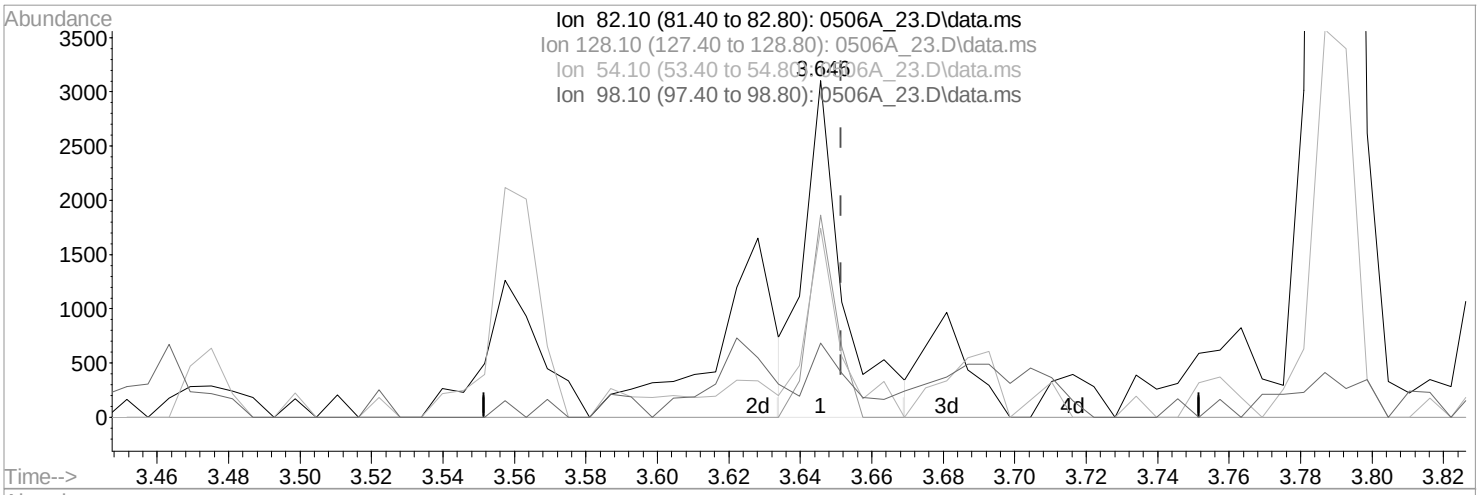
response 10819

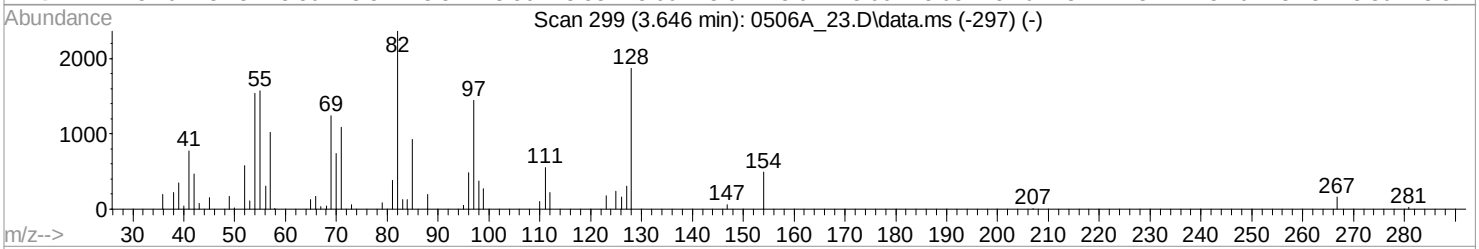
Ion	Exp%	Act%
146.00	100	100
148.00	64.10	65.83
111.00	35.40	39.93
75.10	26.00	48.32#

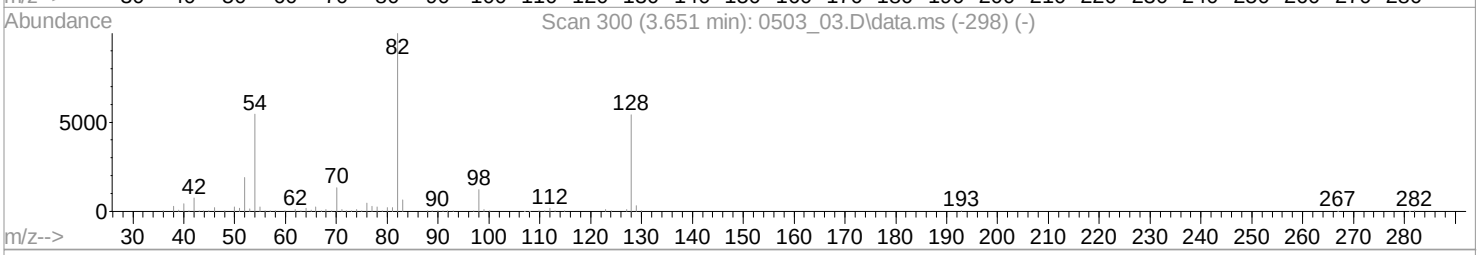
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
Acq On : 6 May 2022 10:29 pm
Operator : 917
Sample : MSD 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 48 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:15 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_23.D\data.ms

(24) Nitrobenzene-d5 (S)

3.646min (-0.006) 34.7116606 ppb

Qvalue = 78

response 2310

Ion	Exp%	Act%
82.10	100	100
128.10	43.50	67.66#
54.10	54.80	63.05
98.10	11.60	16.10

Data Path : C:\msdchem\1\data\050622A\
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InstName : BNAMS20

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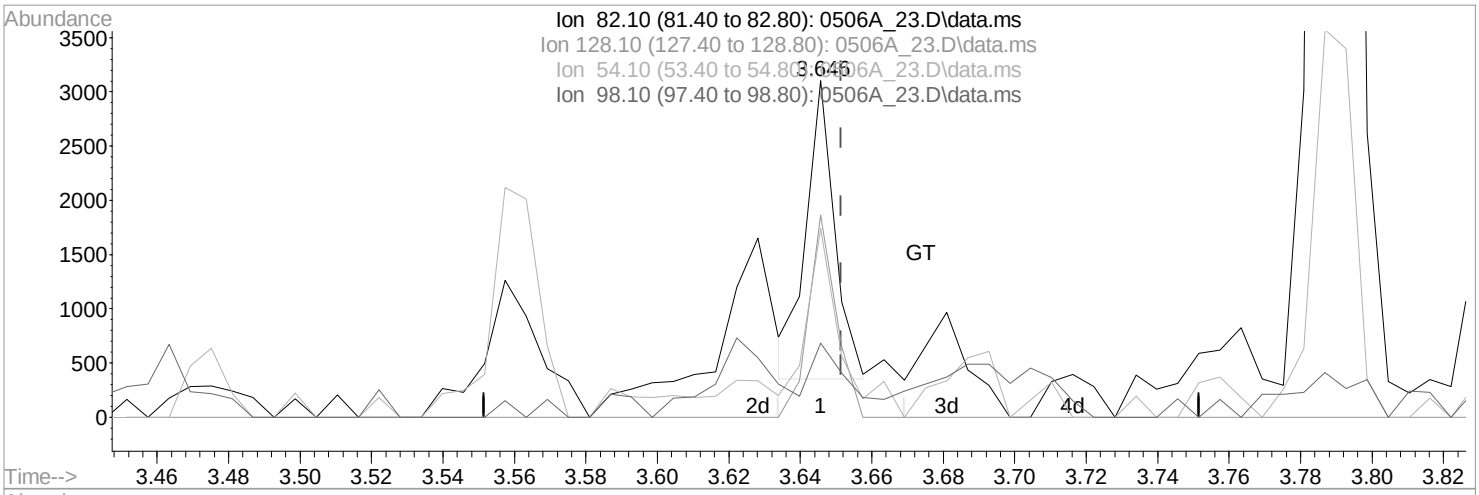
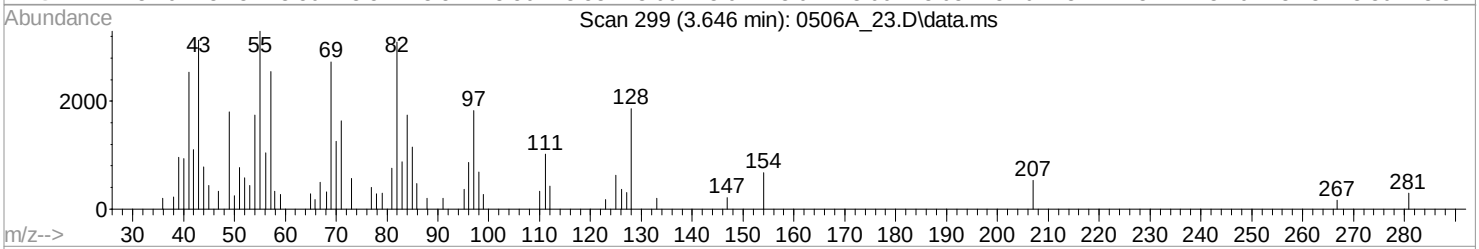
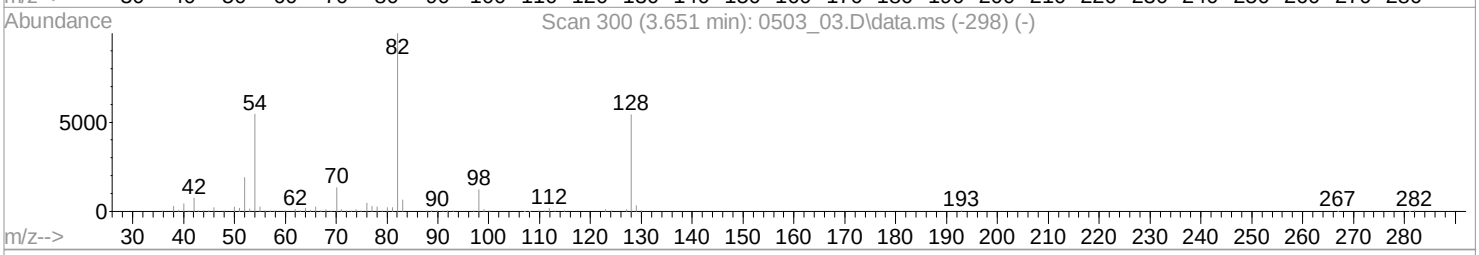
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M







TIC: 0506A_23.D\data.ms

(24) Nitrobenzene-d5 (S)

3.646min (-0.006) 22.5550661 ppb m

response 1501

Ion	Exp%	Act%
82.10	100	100
128.10	43.50	60.14
54.10	54.80	56.04
98.10	11.60	22.04

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
Acq On : 6 May 2022 10:29 pm
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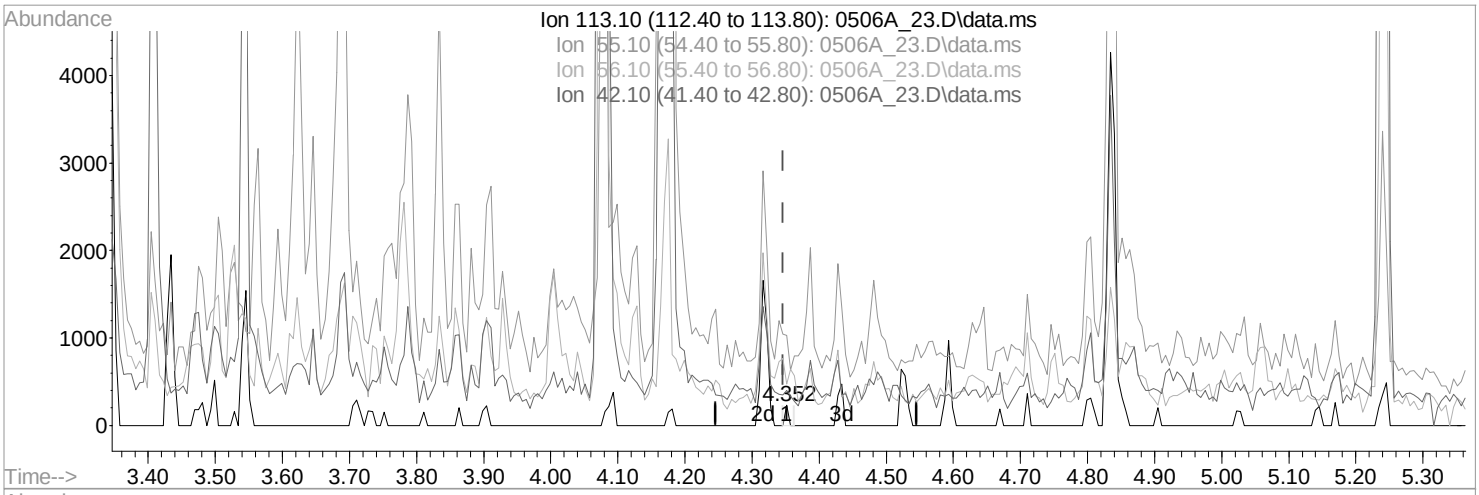

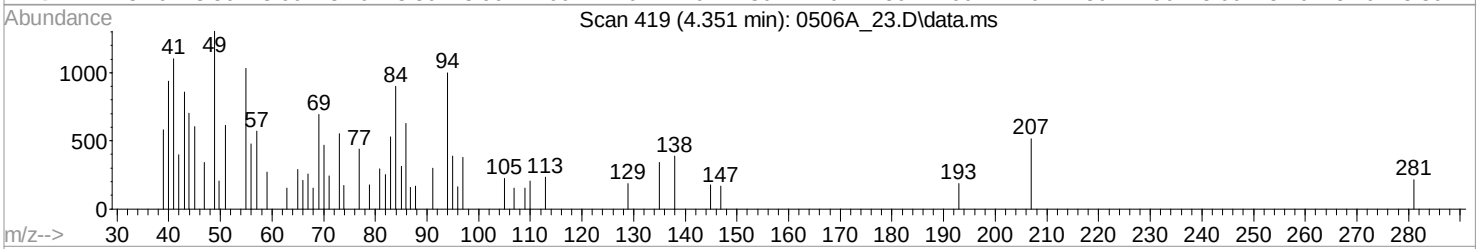

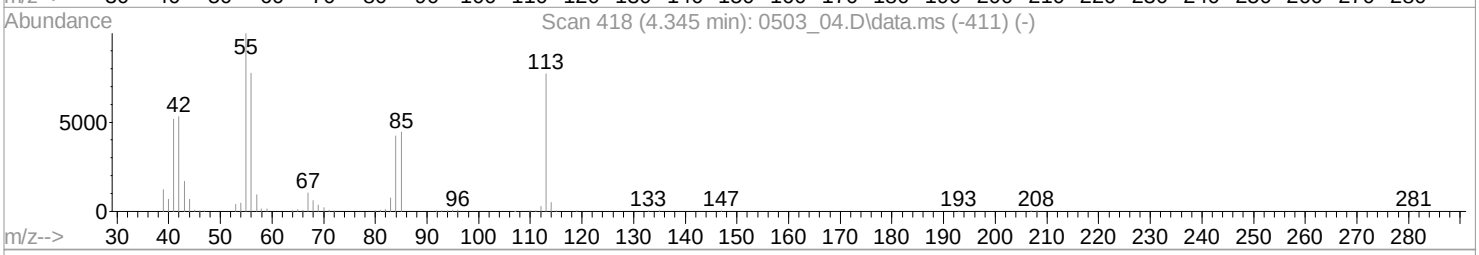

TIC: 0506A_23.D\data.ms

(39) Caprolactam (MT)

4.351min (+0.006) 5.0378048 ppb

Qvalue = 1

response 82

Ion	Exp%	Act%
113.10	100	100
55.10	137.40	691.46#
56.10	100.50	0.00#
42.10	84.20	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
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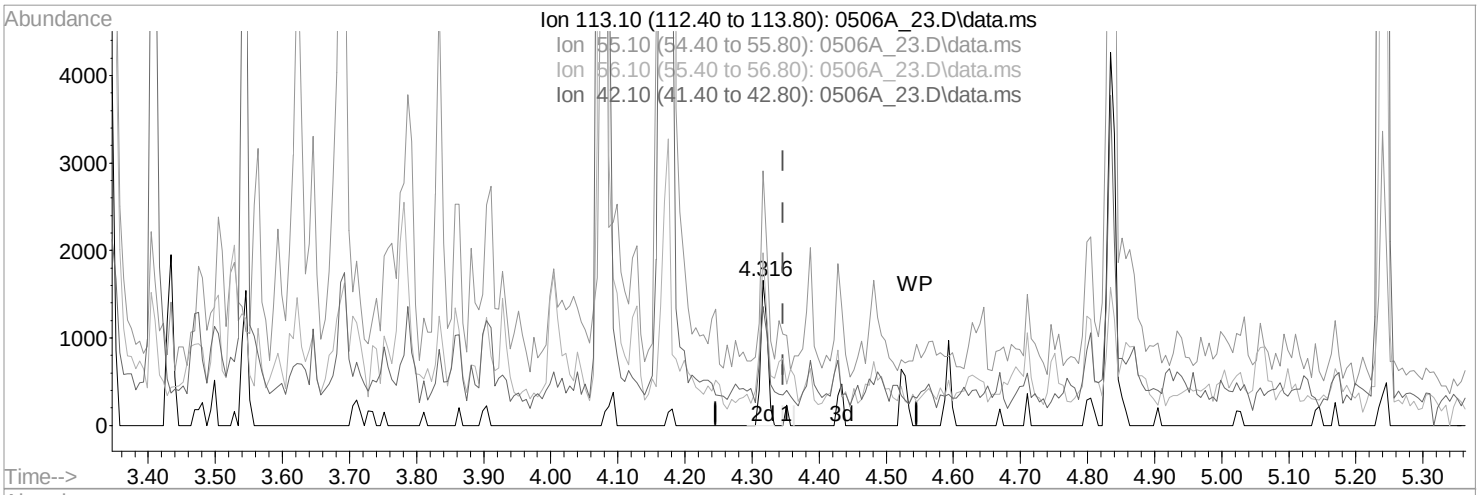
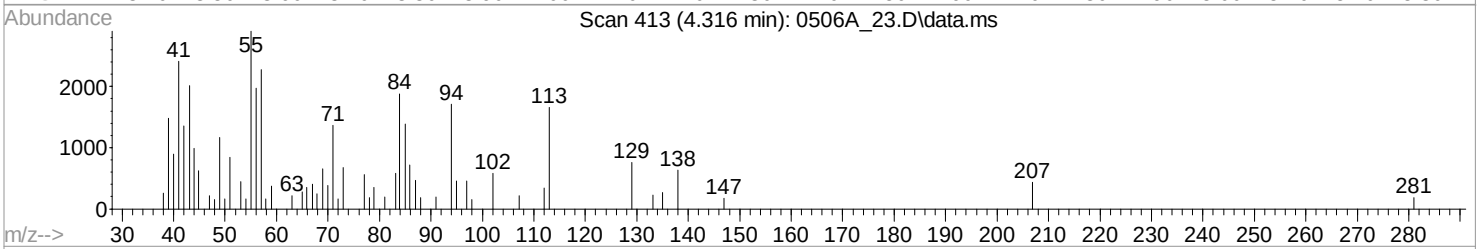
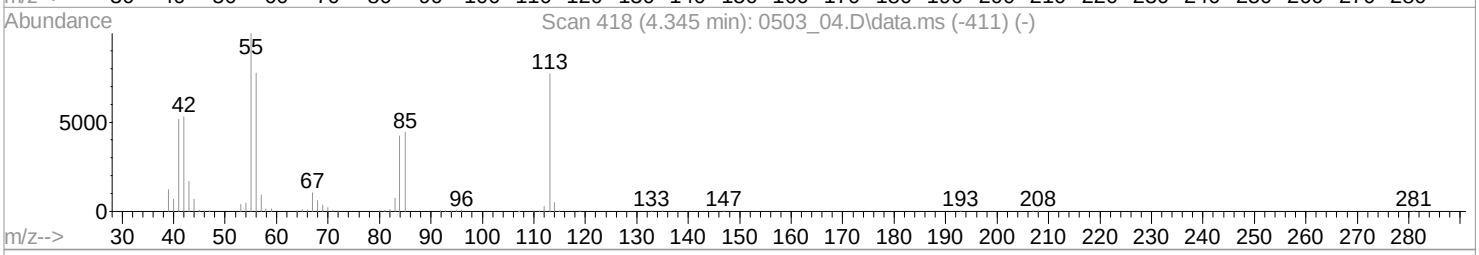






TIC: 0506A_23.D\data.ms

(39) Caprolactam (MT)

4.316min (-0.029) 74.1540296 ppb m

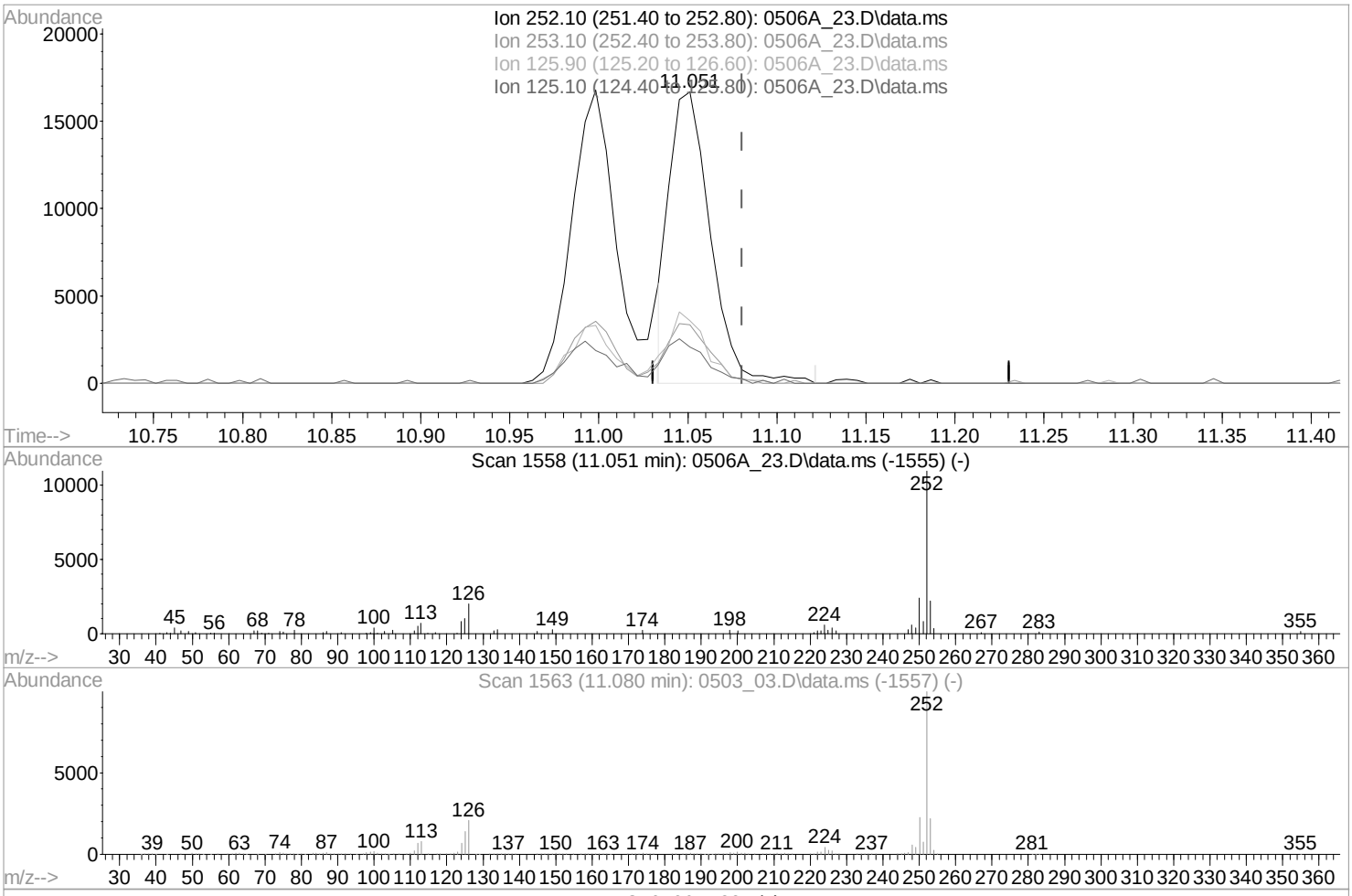
response 1207

Ion	Exp%	Act%
113.10	100	100
55.10	137.40	46.98#
56.10	100.50	0.00#
42.10	84.20	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\050622A\
Data File : 0506A 23.D
Acq On : 6 May 2022 10:29 pm
Operator : 917
Sample : MSD 50X WG1858057 L1488145-02
Misc : WATER ISTD 22E03576 exp 11/03/22
ALS Vial : 48 Sample Multiplier: 1
InstName : BNAMS20

Quant Time: May 08 13:03:15 2022
Quant Method : C:\msdchem\1\methods\S820E03V.M
Quant Title : 8270 BNA
QLast Update : Tue May 03 06:30:02 2022
Response via : Initial Calibration
DataAcq Meth:BNA20SP.M



TIC: 0506A_23.D\data.ms

(96) Benzo(k)fluoranthene (MT)

11.051min (-0.029) 172.6378361 ppb

Qvalue = 96

response 26498

Ion	Exp%	Act%
252.10	100	100
253.10	21.70	20.05
125.90	22.10	21.39
125.10	15.60	12.45

BNA RV Extractions Benchsheet

Batch: WG1858057

Process Analyst: MAB3514 **Transfer Analyst:** MAB3514 **Material Handler:** MAB3514 **Prep Start Date/Time:** 05/05/22 04:51-04:53
Prep End Date/Time: 05/05/22 11:08 **Method:** 3510C **SOP:** ENV-SOP-MTJL-0114 **pH Strip Lot#:** 10bdh1991

Na2SO4: 22E03635 Amt. Used: 1 Exp. Date:11/03/22 **MeCl2:** 22E04829 Amt. Used: 1 Exp. Date:11/04/22 **NaOH:** 22D22127 Amt. Used: 1 Exp. Date:10/22/22
H2SO4: 22D29141 Amt. Used: 1 Exp. Date:09/07/22 **Surrogate:** 22E03640 Amt. Used: 100 µL Exp. Date:08/22/22
LCS/MS Spike: 22D25449 Amt. Used: 250 µL Exp. Date:05/09/22 **Spike Syringe ID:** 22D04562 Amt. Used: 1 Exp. Date:10/04/22
Surrogate Syringe ID: 22D16198 Amt. Used: 1 Exp. Date:10/16/22

Sample Number	Prep Flags	Initial Sample Vol (mL)	Adjusted pH<2	Adjusted pH >11	Solvent Volume (mL)	Emulsion	Final Volume (mL)	Extract Color	Prep Factor	Prep Ratio	DL Adjustment Factor	Spike Factor	Surrogate Factor	Review Analyst	Review Date
BLANK		100	1	12	36	No Emulsion	0.5	Colorless	0.005	1	1	1	1	WAW3585	05/05/22 12:11:30
LCS		100	1	12	36	No Emulsion	0.5	Yellow	0.005	1	1	1	1	WAW3585	05/05/22 12:11:30
MS(L1488145-02)		100	1	12	36	No Emulsion	0.5	Yellow	0.005	1	1	1	1	WAW3585	05/05/22 12:11:30
MSD(L1488145-02)		100	1	12	36	No Emulsion	0.5	Yellow	0.005	1	1	1	1	WAW3585	05/05/22 12:11:30
1. L1487616-01		110	1	12	36	No Emulsion	0.5	Colorless	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
2. L1487616-02		110	1	12	36	No Emulsion	0.5	Colorless	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
3. L1487616-04		110	1	12	36	No Emulsion	0.5	Colorless	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
4. L1487622-01		110	NA	12	36	Light Emulsion	0.5	Yellow	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
5. L1487629-02		105	1	12	36	No Emulsion	0.5	Colorless	0.00476	0.952	1	1	1	WAW3585	05/05/22 12:11:30
6. L1487651-01		105	1	12	36	No Emulsion	0.5	Colorless	0.00476	0.952	1	1	1	WAW3585	05/05/22 12:11:30
7. L1487777-01		110	1	12	36	No Emulsion	0.5	Colorless	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
8. L1488065-01		105	1	12	36	No Emulsion	0.5	Pink	0.00476	0.952	1	1	1	WAW3585	05/05/22 12:11:30
9. L1488065-02		100	1	12	36	No Emulsion	0.5	Pink	0.005	1	1	1	1	WAW3585	05/05/22 12:11:30
10. L1488065-03		105	1	12	36	No Emulsion	0.5	Pink	0.00476	0.952	1	1	1	WAW3585	05/05/22 12:11:30
11. L1488065-04		110	1	12	36	No Emulsion	0.5	Pink	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
12. L1488065-05		110	1	12	36	No Emulsion	0.5	Pink	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
13. L1488070-01		110	1	12	36	No Emulsion	0.5	Yellow	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
14. L1488070-02		110	1	12	36	No Emulsion	0.5	Colorless	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
15. L1488077-02		110	1	12	36	No Emulsion	0.5	Colorless	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
16. L1488145-02	G6	100	1	12	36	No Emulsion	0.5	Yellow	0.005	1	1	1	1	WAW3585	05/05/22 12:11:30
17. L1488241-01		110	1	12	36	No Emulsion	0.5	Yellow	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
18. L1488241-02		110	1	12	36	No Emulsion	0.5	Colorless	0.00455	0.91	1	1	1	WAW3585	05/05/22 12:11:30
19. L1488626-01	G6	100	1	12	36	No Emulsion	0.5	Colorless	0.005	1	1	1	1	WAW3585	05/05/22 12:11:30
20. L1488631-01	G6	100	1	12	36	No Emulsion	0.5	Colorless	0.005	1	1	1	1	WAW3585	05/05/22 12:11:30

Comments:
L1488070-01 was Na2SO4 treated

Reviewed By: WAW3585 on 05/05/22 12:11:30

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

COD	Coefficient of Determination.
Coef1	First Order Coefficient.
Coef2	Second Order Coefficient.
Corr.	Correlation Coefficient.
Incpt	Intercept.
Mass	Mass of parameter.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
RRF	Relative Response Factor.
RSD	Relative Standard Deviation.
RT	Retention Time.
SDG	Sample Delivery Group.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Slope	Slope of calibration curve.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Wavelength	Wavelength of parameter.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.
NI	Manual Integration Code to indicate that the peak was not integrated at all by the computer software.
LT	Manual Integration Code to indicate that the peak in question was inappropriately integrated to an area less than what it should be (i.e., peak area was cut).
GT	Manual Integration Code to indicate that the peak in question was inappropriately integrated to an area greater than it should be (i.e., peak tailing).
BA	Manual Integration Code to indicate that the baseline had to be adjusted correctly by the analyst.
WP	Manual Integration Code to indicate that the wrong peak was chosen.
CO	Manual Integration Code to indicate that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

RT	Manual Integration Code to indicate that the retention time for the peak in question has shifted from the expected retention time.
INT	Manual Integration Code to indicate that there was electronic interference (i.e., noise).

GLOSSARY OF TERMS

Qualifier	Description
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

C034

Internal Transfer Chain of Custody

Pace Analytical®
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: WA
Cert. Needed: [x] Yes ☐ No
Owner Received Date: 5/2/2022 Results Requested By: 5/23/2022

Workorder: 10606563 Workorder Name: D3593500

Report To	Subcontract To
Kongmeng Vang Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone (612)607-1700	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

AG1U BP3Z

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Preserved Containers: Other	8270 SVOC - Pace National	SW9030 Total Sulfides - Pace National	LAB USE ONLY
1	EB01-042822-01	PS	4/28/2022 10:50	10606563001	Water	2	1	X	X	-01
2										
3										
4										
5										

L1488631

Transfers	Released By	Date/Time	Received By	Date/Time
1	CSM/Pace	5.2.22 15:30	Winnie Thomas	5.3.22/0930
2				
3				

Comments: OK

Cooler Temperature on Receipt 3.5 °C | Custody Seal (Y) or N | Received on Ice (Y) or N | Samples Intact (Y) or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.

This chain of custody is considered complete as is since this information is available in the owner laboratory.

CNT: 3 TB: 0 3.5°+0=3.5°C

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RAD Screen <0.5 mR/hr:	Y N		

L1488631

10606563

Pace Analytical®
www.pacelabs.com

Ship To:
Pace National
12065 Lebanon Rd
Mt. Juliet, TN 37122
Phone (615) 758-5858

INTER_LABORATORY WORK ORDER # 10606563
(To be completed by sending lab)

Sending Project No:	10606563
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	05/02/22
REQUESTED COMPLETION DATE:	**5/23/2022**

Sending Region	IR10-Minnesota	Sending Project Mgr.	Kongmeng Vang
Receiving Region	IR850-Pace National	External Client	BNSF_Jacobs_WA
State of Sample Origin	WA	QC Deliverable	PACKAGELV4

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed yes

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Unit Price	Amount
SW9030 Total Sulfides - Pace National	BP2Z		Other	1	$22.00	$22.00
8270 SVOC - Pace National	AG1U		Unpreserved	1	$130.00	$130.00
					TOTAL	$152.00

Special Requirements: Report D, QC Limits, MDLs (D),Jacobs UPRR EQEDD (1579)

Receiving Region Department	Acctg. Code	Totals from above	Revenue Allocation	
			Receiving Region (80%)	Client Services Dept. Sending Region (20%)
Wet Chemistry	21	$22.00	$17.60	$4.40
GC/MS Semivolatiles	30	$130.00	$104.00	$26.00
* Custom Revenue Allocation	**TOTAL**	$152.00	$121.60	$30.40

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☒ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.

When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

1138 of 1139

8270 SVOC List

Semi-volatile Organic Compounds and Polycy
3&4-Methylphenol
Benzoic acid
Bis(2-ethylhexyl) phthalate
Carbazole
Dibenzofuran
Di-n-butyl phthalate
Di-n-octyl phthalate
Pentachlorophenol
Phenol
1-Methylnaphthalene
2-Methylnaphthalene
Acenaphthene
Acenaphthylene
Anthracene
Benz(a)anthracene
Benzo(a)pyrene
Benzo(ghi)perylene
Chrysene
Dibenz(ah)anthracene
Fluoranthene
Fluorene
Indeno(123-cd)pyrene
Naphthalene
Phenanthrene
Pyrene
Benzo(b)fluoranthene
Benzo(k)fluoranthene

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

June 06, 2022

Bernice Kidd
Jacobs Engineering
2525 Air Park Drive
Redding, CA 96001

RE: Project: D3593500-Revised Report
Pace Project No.: 10606565

Dear Bernice Kidd:

Enclosed are the analytical results for sample(s) received by the laboratory on May 02, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses were subcontracted outside of the Pace Network. The test report from the external subcontractor is attached to this report in its entirety.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Minneapolis

This report was revised on June 6th, 2022, to include the results for Pace sample 003 for methods 350.1 and 9060A that was subcontracted out to Eurofins.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kongmeng Vang
kongmeng.vang@pacelabs.com
(612)607-1700
Project Manager

Enclosures

cc: Kris Ivarson, Jacobs
Jennifer Ulrich, Jacobs

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: D3593500-Revised Report
Pace Project No.: 10606565

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: D3593500-Revised Report
Pace Project No.: 10606565

Pace Analytical Services National

Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

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(612)607-1700

SAMPLE SUMMARY

Project: D3593500-Revised Report
Pace Project No.: 10606565

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10606565001	**BNSF-SG11-042822-0-5**	Solid	04/28/22 08:05	05/02/22 08:50
10606565002	**BNSF-E380-042822-0-4**	Solid	04/28/22 08:35	05/02/22 08:50
10606565003	**BNSF-E320-042822-0-4**	Solid	04/28/22 09:05	05/02/22 08:50
10606565004	**BNSF-D160-042822-0-5**	Solid	04/28/22 09:50	05/02/22 08:50
10606565005	**BNSF-E460-042922-0-4**	Solid	04/29/22 08:50	05/02/22 08:50
10606565006	**BNSF-H360-042922-0-8**	Solid	04/29/22 09:25	05/02/22 08:50

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SAMPLE ANALYTE COUNT

Project: D3593500-Revised Report
Pace Project No.: 10606565

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10606565001	BNSF-SG11-042822-0-5	NWTPH-Dx	EB3	4	PASI-M
		EPA 6020B	PW1	9	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E	ADF	33	PAN
		SM 2540G	CMK	1	PAN
		EPA 9030B	BMD	1	PAN
10606565002	BNSF-E380-042822-0-4	NWTPH-Dx	EB3	4	PASI-M
		EPA 6020B	PW1	9	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E	AMG	33	PAN
		SM 2540G	CMK	1	PAN
		EPA 9030B	BMD	1	PAN
10606565003	BNSF-E320-042822-0-4	NWTPH-Dx	EB3	4	PASI-M
		EPA 6020B	PW1	9	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E	AMG	33	PAN
		SM 2540G	CMK	1	PAN
		EPA 9030B	BMD	1	PAN
10606565004	BNSF-D160-042822-0-5	NWTPH-Dx	EB3	4	PASI-M
		EPA 6020B	PW1	9	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E	AMG	33	PAN
		SM 2540G	CMK	1	PAN
		EPA 9030B	BMD	1	PAN
10606565005	BNSF-E460-042922-0-4	NWTPH-Dx	EB3	4	PASI-M
		EPA 6020B	PW1	9	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E	AMG	33	PAN
		SM 2540G	CMK	1	PAN
		EPA 9030B	BMD	1	PAN
10606565006	BNSF-H360-042922-0-8	NWTPH-Dx	EB3	4	PASI-M
		EPA 6020B	PW1	9	PASI-M

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SAMPLE ANALYTE COUNT

Project: D3593500-Revised Report
Pace Project No.: 10606565

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E	AMG	33	PAN
		SM 2540G	CMK	1	PAN
		EPA 9030B	BMD	1	PAN

PAN = Pace National - Mt. Juliet
PASI-M = Pace Analytical Services - Minneapolis

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ANALYTICAL RESULTS

Project: D3593500-Revised Report
Pace Project No.: 10606565

Sample: BNSF-SG11-042822-0-5 **Lab ID: 10606565001** Collected: 04/28/22 08:05 Received: 05/02/22 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550 Pace Analytical Services - Minneapolis							
Diesel Fuel Range	**9.9J**	mg/kg	20.0	1	05/03/22 17:14	05/12/22 03:08	68334-30-5	
Motor Oil Range	**35.4**	mg/kg	13.3	1	05/03/22 17:14	05/12/22 03:08		
Surrogates								
n-Triacontane (S)	94	%.	50-150	1	05/03/22 17:14	05/12/22 03:08		
o-Terphenyl (S)	71	%.	50-150	1	05/03/22 17:14	05/12/22 03:08	84-15-1	
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**2.6**	mg/kg	0.65	1	05/04/22 14:05	05/17/22 16:03	7440-38-2	
Cadmium	**0.28**	mg/kg	0.10	1	05/04/22 14:05	05/17/22 16:03	7440-43-9	
Chromium	**14.6**	mg/kg	2.6	1	05/04/22 14:05	05/17/22 16:03	7440-47-3	
Copper	**12.2**	mg/kg	1.3	1	05/04/22 14:05	05/17/22 16:03	7440-50-8	
Lead	**7.4**	mg/kg	0.65	1	05/04/22 14:05	05/17/22 16:03	7439-92-1	
Nickel	**14.8**	mg/kg	0.65	1	05/04/22 14:05	05/17/22 16:03	7440-02-0	
Selenium	**0.25J**	mg/kg	0.65	1	05/04/22 14:05	05/17/22 16:03	7782-49-2	
Silver	**0.41J**	mg/kg	0.65	1	05/04/22 14:05	05/17/22 16:03	7440-22-4	
Zinc	**83.2**	mg/kg	6.5	1	05/04/22 14:05	05/17/22 16:03	7440-66-6	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis							
Mercury	**0.013J**	mg/kg	0.024	1	05/04/22 16:12	05/19/22 12:01	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**25.5**	%	0.10	1		05/24/22 11:01		N2
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet							
Acenaphthene	ND	mg/kg	0.0432	1	05/11/22 03:07	05/13/22 18:06	83-32-9	
Acenaphthylene	ND	mg/kg	0.0432	1	05/11/22 03:07	05/13/22 18:06	208-96-8	
Anthracene	ND	mg/kg	0.0432	1	05/11/22 03:07	05/13/22 18:06	120-12-7	
Benzoic acid	**0.238J**	mg/kg	2.17	1	05/11/22 03:07	05/13/22 18:06	65-85-0	C3,J
Benzo(a)anthracene	ND	mg/kg	0.0432	1	05/11/22 03:07	05/13/22 18:06	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0432	1	05/11/22 03:07	05/13/22 18:06	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0432	1	05/11/22 03:07	05/13/22 18:06	207-08-9	
Benzo(g,h,i)perylene	ND	mg/kg	0.0432	1	05/11/22 03:07	05/13/22 18:06	191-24-2	
Benzo(a)pyrene	ND	mg/kg	0.0432	1	05/11/22 03:07	05/13/22 18:06	50-32-8	
Carbazole	ND	mg/kg	0.432	1	05/11/22 03:07	05/13/22 18:06	86-74-8	
Chrysene	**0.0101J**	mg/kg	0.0432	1	05/11/22 03:07	05/13/22 18:06	218-01-9	J
Dibenz(a,h)anthracene	ND	mg/kg	0.0432	1	05/11/22 03:07	05/13/22 18:06	53-70-3	
Dibenzofuran	ND	mg/kg	0.432	1	05/11/22 03:07	05/13/22 18:06	132-64-9	
Fluoranthene	ND	mg/kg	0.0432	1	05/11/22 03:07	05/13/22 18:06	206-44-0	
Fluorene	ND	mg/kg	0.0432	1	05/11/22 03:07	05/13/22 18:06	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0432	1	05/11/22 03:07	05/13/22 18:06	193-39-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: D3593500-Revised Report
Pace Project No.: 10606565

Sample: BNSF-SG11-042822-0-5 **Lab ID: 10606565001** Collected: 04/28/22 08:05 Received: 05/02/22 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet							
1-Methylnaphthalene	**0.00623J**	mg/kg	0.0432	1	05/11/22 03:07	05/13/22 18:06	90-12-0	J
2-Methylnaphthalene	**0.00945J**	mg/kg	0.0432	1	05/11/22 03:07	05/13/22 18:06	91-57-6	J
Naphthalene	ND	mg/kg	0.0432	1	05/11/22 03:07	05/13/22 18:06	91-20-3	
Phenanthrene	ND	mg/kg	0.0432	1	05/11/22 03:07	05/13/22 18:06	85-01-8	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.432	1	05/11/22 03:07	05/13/22 18:06	117-81-7	
Di-n-butylphthalate	ND	mg/kg	0.432	1	05/11/22 03:07	05/13/22 18:06	84-74-2	
Di-n-octylphthalate	ND	mg/kg	0.432	1	05/11/22 03:07	05/13/22 18:06	117-84-0	
Pyrene	**0.0142J**	mg/kg	0.0432	1	05/11/22 03:07	05/13/22 18:06	129-00-0	J
3&4-Methylphenol(m&p Cresol)	ND	mg/kg	0.432	1	05/11/22 03:07	05/13/22 18:06		
Pentachlorophenol	ND	mg/kg	0.432	1	05/11/22 03:07	05/13/22 18:06	87-86-5	
Phenol	ND	mg/kg	0.432	1	05/11/22 03:07	05/13/22 18:06	108-95-2	
Surrogates								
2-Fluorophenol (S)	47.9	%	12.0-120	1	05/11/22 03:07	05/13/22 18:06	367-12-4	
Phenol-d5 (S)	45.0	%	10.0-120	1	05/11/22 03:07	05/13/22 18:06	4165-62-2	
Nitrobenzene-d5 (S)	45.7	%	10.0-122	1	05/11/22 03:07	05/13/22 18:06	4165-60-0	
2-Fluorobiphenyl (S)	46.6	%	15.0-120	1	05/11/22 03:07	05/13/22 18:06	321-60-8	
2,4,6-Tribromophenol (S)	63.0	%	10.0-127	1	05/11/22 03:07	05/13/22 18:06	118-79-6	
p-Terphenyl-d14 (S)	58.5	%	10.0-120	1	05/11/22 03:07	05/13/22 18:06	1718-51-0	
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet							
Total Solids	**77.0**	%		1	05/05/22 06:22	05/05/22 06:27		
Wet Chemistry 9034/9030B	Analytical Method: EPA 9030B Preparation Method: 9030B Pace National - Mt. Juliet							
Sulfide	ND	mg/kg	97.4	1	05/03/22 12:51	05/05/22 18:00	18496-25-8	

Sample: BNSF-E380-042822-0-4 **Lab ID: 10606565002** Collected: 04/28/22 08:35 Received: 05/02/22 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550 Pace Analytical Services - Minneapolis							
Diesel Fuel Range	ND	mg/kg	21.0	1	05/03/22 17:14	05/12/22 03:19	68334-30-5	
Motor Oil Range	**25.1**	mg/kg	14.0	1	05/03/22 17:14	05/12/22 03:19		
Surrogates								
n-Triacontane (S)	90	%.	50-150	1	05/03/22 17:14	05/12/22 03:19		
o-Terphenyl (S)	57	%.	50-150	1	05/03/22 17:14	05/12/22 03:19	84-15-1	
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**2.2**	mg/kg	0.65	1	05/04/22 14:05	05/17/22 16:06	7440-38-2	
Cadmium	**0.36**	mg/kg	0.10	1	05/04/22 14:05	05/17/22 16:06	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: D3593500-Revised Report
Pace Project No.: 10606565

Sample: BNSF-E380-042822-0-4 **Lab ID: 10606565002** Collected: 04/28/22 08:35 Received: 05/02/22 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Chromium	**15.1**	mg/kg	2.6	1	05/04/22 14:05	05/17/22 16:06	7440-47-3	
Copper	**10.9**	mg/kg	1.3	1	05/04/22 14:05	05/17/22 16:06	7440-50-8	
Lead	**6.9**	mg/kg	0.65	1	05/04/22 14:05	05/17/22 16:06	7439-92-1	
Nickel	**13.4**	mg/kg	0.65	1	05/04/22 14:05	05/17/22 16:06	7440-02-0	
Selenium	**0.22J**	mg/kg	0.65	1	05/04/22 14:05	05/17/22 16:06	7782-49-2	
Silver	ND	mg/kg	0.65	1	05/04/22 14:05	05/17/22 16:06	7440-22-4	
Zinc	**85.9**	mg/kg	6.5	1	05/04/22 14:05	05/17/22 16:06	7440-66-6	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis							
Mercury	**0.016J**	mg/kg	0.024	1	05/04/22 16:12	05/19/22 12:05	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**28.5**	%	0.10	1		05/24/22 11:01		N2
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet							
Acenaphthene	ND	mg/kg	0.0442	1	05/11/22 03:07	05/13/22 18:28	83-32-9	
Acenaphthylene	ND	mg/kg	0.0442	1	05/11/22 03:07	05/13/22 18:28	208-96-8	
Anthracene	ND	mg/kg	0.0442	1	05/11/22 03:07	05/13/22 18:28	120-12-7	
Benzoic acid	ND	mg/kg	2.21	1	05/11/22 03:07	05/13/22 18:28	65-85-0	C3
Benzo(a)anthracene	ND	mg/kg	0.0442	1	05/11/22 03:07	05/13/22 18:28	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0442	1	05/11/22 03:07	05/13/22 18:28	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0442	1	05/11/22 03:07	05/13/22 18:28	207-08-9	
Benzo(g,h,i)perylene	ND	mg/kg	0.0442	1	05/11/22 03:07	05/13/22 18:28	191-24-2	
Benzo(a)pyrene	ND	mg/kg	0.0442	1	05/11/22 03:07	05/13/22 18:28	50-32-8	
Carbazole	ND	mg/kg	0.442	1	05/11/22 03:07	05/13/22 18:28	86-74-8	
Chrysene	ND	mg/kg	0.0442	1	05/11/22 03:07	05/13/22 18:28	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0442	1	05/11/22 03:07	05/13/22 18:28	53-70-3	
Dibenzofuran	ND	mg/kg	0.442	1	05/11/22 03:07	05/13/22 18:28	132-64-9	
Fluoranthene	ND	mg/kg	0.0442	1	05/11/22 03:07	05/13/22 18:28	206-44-0	
Fluorene	ND	mg/kg	0.0442	1	05/11/22 03:07	05/13/22 18:28	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0442	1	05/11/22 03:07	05/13/22 18:28	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0442	1	05/11/22 03:07	05/13/22 18:28	90-12-0	
2-Methylnaphthalene	**0.00894J**	mg/kg	0.0442	1	05/11/22 03:07	05/13/22 18:28	91-57-6	J
Naphthalene	ND	mg/kg	0.0442	1	05/11/22 03:07	05/13/22 18:28	91-20-3	
Phenanthrene	ND	mg/kg	0.0442	1	05/11/22 03:07	05/13/22 18:28	85-01-8	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.442	1	05/11/22 03:07	05/13/22 18:28	117-81-7	
Di-n-butylphthalate	ND	mg/kg	0.442	1	05/11/22 03:07	05/13/22 18:28	84-74-2	
Di-n-octylphthalate	ND	mg/kg	0.442	1	05/11/22 03:07	05/13/22 18:28	117-84-0	
Pyrene	ND	mg/kg	0.0442	1	05/11/22 03:07	05/13/22 18:28	129-00-0	
3&4-Methylphenol(m&p Cresol)	ND	mg/kg	0.442	1	05/11/22 03:07	05/13/22 18:28		
Pentachlorophenol	ND	mg/kg	0.442	1	05/11/22 03:07	05/13/22 18:28	87-86-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: D3593500-Revised Report
Pace Project No.: 10606565

Sample: BNSF-E380-042822-0-4 **Lab ID: 10606565002** Collected: 04/28/22 08:35 Received: 05/02/22 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet							
Phenol	ND	mg/kg	0.442	1	05/11/22 03:07	05/13/22 18:28	108-95-2	
Surrogates								
2-Fluorophenol (S)	54.4	%	12.0-120	1	05/11/22 03:07	05/13/22 18:28	367-12-4	
Phenol-d5 (S)	48.9	%	10.0-120	1	05/11/22 03:07	05/13/22 18:28	4165-62-2	
Nitrobenzene-d5 (S)	53.2	%	10.0-122	1	05/11/22 03:07	05/13/22 18:28	4165-60-0	
2-Fluorobiphenyl (S)	51.4	%	15.0-120	1	05/11/22 03:07	05/13/22 18:28	321-60-8	
2,4,6-Tribromophenol (S)	64.4	%	10.0-127	1	05/11/22 03:07	05/13/22 18:28	118-79-6	
p-Terphenyl-d14 (S)	65.0	%	10.0-120	1	05/11/22 03:07	05/13/22 18:28	1718-51-0	
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet							
Total Solids	**75.4**	%		1	05/05/22 06:22	05/05/22 06:27		
Wet Chemistry 9034/9030B	Analytical Method: EPA 9030B Preparation Method: 9030B Pace National - Mt. Juliet							
Sulfide	ND	mg/kg	99.5	1	05/03/22 12:51	05/05/22 18:00	18496-25-8	

Sample: BNSF-E320-042822-0-4 **Lab ID: 10606565003** Collected: 04/28/22 09:05 Received: 05/02/22 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550 Pace Analytical Services - Minneapolis							
Diesel Fuel Range	**223**	mg/kg	204	10	05/03/22 17:14	05/12/22 01:26	68334-30-5	
Motor Oil Range	**630**	mg/kg	136	10	05/03/22 17:14	05/12/22 01:26		
Surrogates								
n-Triacontane (S)	88	%.	50-150	10	05/03/22 17:14	05/12/22 01:26		
o-Terphenyl (S)	68	%.	50-150	10	05/03/22 17:14	05/12/22 01:26	84-15-1	
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**2.1**	mg/kg	0.63	1	05/04/22 14:05	05/17/22 16:10	7440-38-2	
Cadmium	**0.47**	mg/kg	0.10	1	05/04/22 14:05	05/17/22 16:10	7440-43-9	
Chromium	**14.7**	mg/kg	2.5	1	05/04/22 14:05	05/17/22 16:10	7440-47-3	
Copper	**12.0**	mg/kg	1.3	1	05/04/22 14:05	05/17/22 16:10	7440-50-8	
Lead	**8.6**	mg/kg	0.63	1	05/04/22 14:05	05/17/22 16:10	7439-92-1	
Nickel	**14.6**	mg/kg	0.63	1	05/04/22 14:05	05/17/22 16:10	7440-02-0	
Selenium	**0.29J**	mg/kg	0.63	1	05/04/22 14:05	05/17/22 16:10	7782-49-2	
Silver	ND	mg/kg	0.63	1	05/04/22 14:05	05/17/22 16:10	7440-22-4	
Zinc	**95.9**	mg/kg	6.3	1	05/04/22 14:05	05/17/22 16:10	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: D3593500-Revised Report
Pace Project No.: 10606565

Sample: BNSF-E320-042822-0-4 **Lab ID: 10606565003** Collected: 04/28/22 09:05 Received: 05/02/22 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis							
Mercury	**0.024J**	mg/kg	0.025	1	05/04/22 16:12	05/19/22 12:07	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**26.9**	%	0.10	1		05/24/22 11:01		N2
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet							
Acenaphthene	ND	mg/kg	0.461	10	05/12/22 14:39	05/13/22 14:59	83-32-9	
Acenaphthylene	ND	mg/kg	0.461	10	05/12/22 14:39	05/13/22 14:59	208-96-8	
Anthracene	ND	mg/kg	0.461	10	05/12/22 14:39	05/13/22 14:59	120-12-7	
Benzoic acid	ND	mg/kg	23.1	10	05/12/22 14:39	05/13/22 14:59	65-85-0	
Benzo(a)anthracene	ND	mg/kg	0.461	10	05/12/22 14:39	05/13/22 14:59	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.461	10	05/12/22 14:39	05/13/22 14:59	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.461	10	05/12/22 14:39	05/13/22 14:59	207-08-9	
Benzo(g,h,i)perylene	ND	mg/kg	0.461	10	05/12/22 14:39	05/13/22 14:59	191-24-2	
Benzo(a)pyrene	**0.103J**	mg/kg	0.461	10	05/12/22 14:39	05/13/22 14:59	50-32-8	J
Carbazole	ND	mg/kg	4.61	10	05/12/22 14:39	05/13/22 14:59	86-74-8	
Chrysene	ND	mg/kg	0.461	10	05/12/22 14:39	05/13/22 14:59	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.461	10	05/12/22 14:39	05/13/22 14:59	53-70-3	
Dibenzofuran	ND	mg/kg	4.61	10	05/12/22 14:39	05/13/22 14:59	132-64-9	
Fluoranthene	ND	mg/kg	0.461	10	05/12/22 14:39	05/13/22 14:59	206-44-0	
Fluorene	ND	mg/kg	0.461	10	05/12/22 14:39	05/13/22 14:59	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.461	10	05/12/22 14:39	05/13/22 14:59	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.461	10	05/12/22 14:39	05/13/22 14:59	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.461	10	05/12/22 14:39	05/13/22 14:59	91-57-6	
Naphthalene	ND	mg/kg	0.461	10	05/12/22 14:39	05/13/22 14:59	91-20-3	
Phenanthrene	ND	mg/kg	0.461	10	05/12/22 14:39	05/13/22 14:59	85-01-8	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	4.61	10	05/12/22 14:39	05/13/22 14:59	117-81-7	
Di-n-butylphthalate	ND	mg/kg	4.61	10	05/12/22 14:39	05/13/22 14:59	84-74-2	
Di-n-octylphthalate	ND	mg/kg	4.61	10	05/12/22 14:39	05/13/22 14:59	117-84-0	
Pyrene	**0.184J**	mg/kg	0.461	10	05/12/22 14:39	05/13/22 14:59	129-00-0	J
3&4-Methylphenol(m&p Cresol)	ND	mg/kg	4.61	10	05/12/22 14:39	05/13/22 14:59		
Pentachlorophenol	ND	mg/kg	4.61	10	05/12/22 14:39	05/13/22 14:59	87-86-5	
Phenol	ND	mg/kg	4.61	10	05/12/22 14:39	05/13/22 14:59	108-95-2	
Surrogates								
2-Fluorophenol (S)	86.9	%	12.0-120	10	05/12/22 14:39	05/13/22 14:59	367-12-4	
Phenol-d5 (S)	78.4	%	10.0-120	10	05/12/22 14:39	05/13/22 14:59	4165-62-2	
Nitrobenzene-d5 (S)	80.7	%	10.0-122	10	05/12/22 14:39	05/13/22 14:59	4165-60-0	
2-Fluorobiphenyl (S)	78.9	%	15.0-120	10	05/12/22 14:39	05/13/22 14:59	321-60-8	
2,4,6-Tribromophenol (S)	74.5	%	10.0-127	10	05/12/22 14:39	05/13/22 14:59	118-79-6	
p-Terphenyl-d14 (S)	78.3	%	10.0-120	10	05/12/22 14:39	05/13/22 14:59	1718-51-0	

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ANALYTICAL RESULTS

Project: D3593500-Revised Report
Pace Project No.: 10606565

Sample: BNSF-E320-042822-0-4 **Lab ID: 10606565003** Collected: 04/28/22 09:05 Received: 05/02/22 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet							
Total Solids	**72.2**	%		1	05/05/22 20:46	05/05/22 20:58		
Wet Chemistry 9034/9030B	Analytical Method: EPA 9030B Preparation Method: 9030B Pace National - Mt. Juliet							
Sulfide	**318**	mg/kg	104	1	05/03/22 12:51	05/05/22 18:00	18496-25-8	

Sample: BNSF-D160-042822-0-5 **Lab ID: 10606565004** Collected: 04/28/22 09:50 Received: 05/02/22 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550 Pace Analytical Services - Minneapolis							
Diesel Fuel Range	**52.1**	mg/kg	21.0	1	05/03/22 17:14	05/12/22 22:56	68334-30-5	
Motor Oil Range	**215**	mg/kg	14.0	1	05/03/22 17:14	05/12/22 22:56		
Surrogates								
n-Triacontane (S)	95	%.	50-150	1	05/03/22 17:14	05/12/22 22:56		
o-Terphenyl (S)	69	%.	50-150	1	05/03/22 17:14	05/12/22 22:56	84-15-1	
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**2.7**	mg/kg	0.67	1	05/04/22 14:05	05/17/22 16:14	7440-38-2	
Cadmium	**0.64**	mg/kg	0.11	1	05/04/22 14:05	05/17/22 16:14	7440-43-9	
Chromium	**15.7**	mg/kg	2.7	1	05/04/22 14:05	05/17/22 16:14	7440-47-3	
Copper	**15.8**	mg/kg	1.3	1	05/04/22 14:05	05/17/22 16:14	7440-50-8	
Lead	**8.9**	mg/kg	0.67	1	05/04/22 14:05	05/17/22 16:14	7439-92-1	
Nickel	**13.9**	mg/kg	0.67	1	05/04/22 14:05	05/17/22 16:14	7440-02-0	
Selenium	**0.34J**	mg/kg	0.67	1	05/04/22 14:05	05/17/22 16:14	7782-49-2	
Silver	ND	mg/kg	0.67	1	05/04/22 14:05	05/17/22 16:14	7440-22-4	
Zinc	**102**	mg/kg	6.7	1	05/04/22 14:05	05/17/22 16:14	7440-66-6	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis							
Mercury	**0.027**	mg/kg	0.024	1	05/04/22 16:12	05/19/22 12:09	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**28.8**	%	0.10	1		05/24/22 11:02		N2
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet							
Acenaphthene	ND	mg/kg	0.471	10	05/12/22 14:39	05/13/22 14:38	83-32-9	
Acenaphthylene	ND	mg/kg	0.471	10	05/12/22 14:39	05/13/22 14:38	208-96-8	

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ANALYTICAL RESULTS

Project: D3593500-Revised Report
Pace Project No.: 10606565

Sample: BNSF-D160-042822-0-5 **Lab ID: 10606565004** Collected: 04/28/22 09:50 Received: 05/02/22 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546							
	Pace National - Mt. Juliet							
Anthracene	ND	mg/kg	0.471	10	05/12/22 14:39	05/13/22 14:38	120-12-7	
Benzoic acid	ND	mg/kg	23.6	10	05/12/22 14:39	05/13/22 14:38	65-85-0	
Benzo(a)anthracene	ND	mg/kg	0.471	10	05/12/22 14:39	05/13/22 14:38	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.471	10	05/12/22 14:39	05/13/22 14:38	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.471	10	05/12/22 14:39	05/13/22 14:38	207-08-9	
Benzo(g,h,i)perylene	ND	mg/kg	0.471	10	05/12/22 14:39	05/13/22 14:38	191-24-2	
Benzo(a)pyrene	ND	mg/kg	0.471	10	05/12/22 14:39	05/13/22 14:38	50-32-8	
Carbazole	ND	mg/kg	4.71	10	05/12/22 14:39	05/13/22 14:38	86-74-8	
Chrysene	ND	mg/kg	0.471	10	05/12/22 14:39	05/13/22 14:38	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.471	10	05/12/22 14:39	05/13/22 14:38	53-70-3	
Dibenzofuran	ND	mg/kg	4.71	10	05/12/22 14:39	05/13/22 14:38	132-64-9	
Fluoranthene	ND	mg/kg	0.471	10	05/12/22 14:39	05/13/22 14:38	206-44-0	
Fluorene	ND	mg/kg	0.471	10	05/12/22 14:39	05/13/22 14:38	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.471	10	05/12/22 14:39	05/13/22 14:38	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.471	10	05/12/22 14:39	05/13/22 14:38	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.471	10	05/12/22 14:39	05/13/22 14:38	91-57-6	
Naphthalene	ND	mg/kg	0.471	10	05/12/22 14:39	05/13/22 14:38	91-20-3	
Phenanthrene	ND	mg/kg	0.471	10	05/12/22 14:39	05/13/22 14:38	85-01-8	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	4.71	10	05/12/22 14:39	05/13/22 14:38	117-81-7	
Di-n-butylphthalate	ND	mg/kg	4.71	10	05/12/22 14:39	05/13/22 14:38	84-74-2	
Di-n-octylphthalate	ND	mg/kg	4.71	10	05/12/22 14:39	05/13/22 14:38	117-84-0	
Pyrene	ND	mg/kg	0.471	10	05/12/22 14:39	05/13/22 14:38	129-00-0	
3&4-Methylphenol(m&p Cresol)	ND	mg/kg	4.71	10	05/12/22 14:39	05/13/22 14:38		
Pentachlorophenol	ND	mg/kg	4.71	10	05/12/22 14:39	05/13/22 14:38	87-86-5	
Phenol	ND	mg/kg	4.71	10	05/12/22 14:39	05/13/22 14:38	108-95-2	
Surrogates								
2-Fluorophenol (S)	79.8	%	12.0-120	10	05/12/22 14:39	05/13/22 14:38	367-12-4	
Phenol-d5 (S)	69.6	%	10.0-120	10	05/12/22 14:39	05/13/22 14:38	4165-62-2	
Nitrobenzene-d5 (S)	72.8	%	10.0-122	10	05/12/22 14:39	05/13/22 14:38	4165-60-0	
2-Fluorobiphenyl (S)	74.3	%	15.0-120	10	05/12/22 14:39	05/13/22 14:38	321-60-8	
2,4,6-Tribromophenol (S)	66.7	%	10.0-127	10	05/12/22 14:39	05/13/22 14:38	118-79-6	
p-Terphenyl-d14 (S)	74.3	%	10.0-120	10	05/12/22 14:39	05/13/22 14:38	1718-51-0	
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G							
	Pace National - Mt. Juliet							
Total Solids	**70.7**	%		1	05/05/22 20:46	05/05/22 20:58		
Wet Chemistry 9034/9030B	Analytical Method: EPA 9030B Preparation Method: 9030B							
	Pace National - Mt. Juliet							
Sulfide	**220**	mg/kg	106	1	05/03/22 12:51	05/05/22 18:00	18496-25-8	

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ANALYTICAL RESULTS

Project: D3593500-Revised Report
Pace Project No.: 10606565

Sample: BNSF-E460-042922-0-4 **Lab ID: 10606565005** Collected: 04/29/22 08:50 Received: 05/02/22 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550 Pace Analytical Services - Minneapolis							
Diesel Fuel Range	**38.8**	mg/kg	23.9	1	05/03/22 17:14	05/12/22 23:08	68334-30-5	
Motor Oil Range	**112**	mg/kg	16.0	1	05/03/22 17:14	05/12/22 23:08		
Surrogates								
n-Triacontane (S)	94	%.	50-150	1	05/03/22 17:14	05/12/22 23:08		
o-Terphenyl (S)	61	%.	50-150	1	05/03/22 17:14	05/12/22 23:08	84-15-1	
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**2.6**	mg/kg	0.73	1	05/04/22 14:05	05/17/22 16:17	7440-38-2	
Cadmium	**0.35**	mg/kg	0.12	1	05/04/22 14:05	05/17/22 16:17	7440-43-9	
Chromium	**16.1**	mg/kg	2.9	1	05/04/22 14:05	05/17/22 16:17	7440-47-3	
Copper	**14.5**	mg/kg	1.5	1	05/04/22 14:05	05/17/22 16:17	7440-50-8	
Lead	**8.6**	mg/kg	0.73	1	05/04/22 14:05	05/17/22 16:17	7439-92-1	
Nickel	**14.8**	mg/kg	0.73	1	05/04/22 14:05	05/17/22 16:17	7440-02-0	
Selenium	**0.31J**	mg/kg	0.73	1	05/04/22 14:05	05/17/22 16:17	7782-49-2	
Silver	ND	mg/kg	0.73	1	05/04/22 14:05	05/17/22 16:17	7440-22-4	
Zinc	**99.2**	mg/kg	7.3	1	05/04/22 14:05	05/17/22 16:17	7440-66-6	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis							
Mercury	**0.021J**	mg/kg	0.030	1	05/04/22 16:12	05/19/22 12:10	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**37.7**	%	0.10	1		05/24/22 11:02		N2
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet							
Acenaphthene	ND	mg/kg	0.468	10	05/12/22 14:39	05/13/22 14:17	83-32-9	
Acenaphthylene	ND	mg/kg	0.468	10	05/12/22 14:39	05/13/22 14:17	208-96-8	
Anthracene	ND	mg/kg	0.468	10	05/12/22 14:39	05/13/22 14:17	120-12-7	
Benzoic acid	ND	mg/kg	23.5	10	05/12/22 14:39	05/13/22 14:17	65-85-0	
Benzo(a)anthracene	ND	mg/kg	0.468	10	05/12/22 14:39	05/13/22 14:17	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.468	10	05/12/22 14:39	05/13/22 14:17	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.468	10	05/12/22 14:39	05/13/22 14:17	207-08-9	
Benzo(g,h,i)perylene	ND	mg/kg	0.468	10	05/12/22 14:39	05/13/22 14:17	191-24-2	
Benzo(a)pyrene	ND	mg/kg	0.468	10	05/12/22 14:39	05/13/22 14:17	50-32-8	
Carbazole	ND	mg/kg	4.68	10	05/12/22 14:39	05/13/22 14:17	86-74-8	
Chrysene	ND	mg/kg	0.468	10	05/12/22 14:39	05/13/22 14:17	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.468	10	05/12/22 14:39	05/13/22 14:17	53-70-3	
Dibenzofuran	ND	mg/kg	4.68	10	05/12/22 14:39	05/13/22 14:17	132-64-9	
Fluoranthene	ND	mg/kg	0.468	10	05/12/22 14:39	05/13/22 14:17	206-44-0	
Fluorene	ND	mg/kg	0.468	10	05/12/22 14:39	05/13/22 14:17	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.468	10	05/12/22 14:39	05/13/22 14:17	193-39-5	

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ANALYTICAL RESULTS

Project: D3593500-Revised Report
Pace Project No.: 10606565

Sample: BNSF-E460-042922-0-4 **Lab ID: 10606565005** Collected: 04/29/22 08:50 Received: 05/02/22 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546							
	Pace National - Mt. Juliet							
1-Methylnaphthalene	ND	mg/kg	0.468	10	05/12/22 14:39	05/13/22 14:17	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.468	10	05/12/22 14:39	05/13/22 14:17	91-57-6	
Naphthalene	ND	mg/kg	0.468	10	05/12/22 14:39	05/13/22 14:17	91-20-3	
Phenanthrene	ND	mg/kg	0.468	10	05/12/22 14:39	05/13/22 14:17	85-01-8	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	4.68	10	05/12/22 14:39	05/13/22 14:17	117-81-7	
Di-n-butylphthalate	ND	mg/kg	4.68	10	05/12/22 14:39	05/13/22 14:17	84-74-2	
Di-n-octylphthalate	ND	mg/kg	4.68	10	05/12/22 14:39	05/13/22 14:17	117-84-0	
Pyrene	**0.0973J**	mg/kg	0.468	10	05/12/22 14:39	05/13/22 14:17	129-00-0	J
3&4-Methylphenol(m&p Cresol)	ND	mg/kg	4.68	10	05/12/22 14:39	05/13/22 14:17		
Pentachlorophenol	ND	mg/kg	4.68	10	05/12/22 14:39	05/13/22 14:17	87-86-5	
Phenol	ND	mg/kg	4.68	10	05/12/22 14:39	05/13/22 14:17	108-95-2	
Surrogates								
2-Fluorophenol (S)	78.9	%	12.0-120	10	05/12/22 14:39	05/13/22 14:17	367-12-4	
Phenol-d5 (S)	71.0	%	10.0-120	10	05/12/22 14:39	05/13/22 14:17	4165-62-2	
Nitrobenzene-d5 (S)	70.2	%	10.0-122	10	05/12/22 14:39	05/13/22 14:17	4165-60-0	
2-Fluorobiphenyl (S)	74.2	%	15.0-120	10	05/12/22 14:39	05/13/22 14:17	321-60-8	
2,4,6-Tribromophenol (S)	67.2	%	10.0-127	10	05/12/22 14:39	05/13/22 14:17	118-79-6	
p-Terphenyl-d14 (S)	74.5	%	10.0-120	10	05/12/22 14:39	05/13/22 14:17	1718-51-0	
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G							
	Pace National - Mt. Juliet							
Total Solids	**71.1**	%		1	05/05/22 20:04	05/05/22 20:17		
Wet Chemistry 9034/9030B	Analytical Method: EPA 9030B Preparation Method: 9030B							
	Pace National - Mt. Juliet							
Sulfide	**101J**	mg/kg	105	1	05/03/22 12:51	05/05/22 18:00	18496-25-8	J

Sample: BNSF-H360-042922-0-8 **Lab ID: 10606565006** Collected: 04/29/22 09:25 Received: 05/02/22 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550							
	Pace Analytical Services - Minneapolis							
Diesel Fuel Range	**31.0**	mg/kg	21.8	1	05/03/22 17:14	05/12/22 23:19	68334-30-5	
Motor Oil Range	**107**	mg/kg	14.5	1	05/03/22 17:14	05/12/22 23:19		
Surrogates								
n-Triacontane (S)	91	%.	50-150	1	05/03/22 17:14	05/12/22 23:19		
o-Terphenyl (S)	67	%.	50-150	1	05/03/22 17:14	05/12/22 23:19	84-15-1	
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B							
	Pace Analytical Services - Minneapolis							
Arsenic	**4.7**	mg/kg	0.72	1	05/04/22 14:05	05/17/22 16:21	7440-38-2	
Cadmium	**0.35**	mg/kg	0.12	1	05/04/22 14:05	05/17/22 16:21	7440-43-9	

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ANALYTICAL RESULTS

Project: D3593500-Revised Report
Pace Project No.: 10606565

Sample: BNSF-H360-042922-0-8 **Lab ID: 10606565006** Collected: 04/29/22 09:25 Received: 05/02/22 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Chromium	**17.2**	mg/kg	2.9	1	05/04/22 14:05	05/17/22 16:21	7440-47-3	
Copper	**18.3**	mg/kg	1.4	1	05/04/22 14:05	05/17/22 16:21	7440-50-8	
Lead	**14.3**	mg/kg	0.72	1	05/04/22 14:05	05/17/22 16:21	7439-92-1	
Nickel	**16.2**	mg/kg	0.72	1	05/04/22 14:05	05/17/22 16:21	7440-02-0	
Selenium	**0.27J**	mg/kg	0.72	1	05/04/22 14:05	05/17/22 16:21	7782-49-2	
Silver	ND	mg/kg	0.72	1	05/04/22 14:05	05/17/22 16:21	7440-22-4	
Zinc	**107**	mg/kg	7.2	1	05/04/22 14:05	05/17/22 16:21	7440-66-6	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Minneapolis							
Mercury	**0.017J**	mg/kg	0.026	1	05/04/22 16:12	05/19/22 12:12	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**31.7**	%	0.10	1		05/24/22 11:02		N2
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet							
Acenaphthene	ND	mg/kg	0.0429	1	05/12/22 14:39	05/13/22 13:36	83-32-9	
Acenaphthylene	ND	mg/kg	0.0429	1	05/12/22 14:39	05/13/22 13:36	208-96-8	
Anthracene	ND	mg/kg	0.0429	1	05/12/22 14:39	05/13/22 13:36	120-12-7	
Benzoic acid	**0.158J**	mg/kg	2.15	1	05/12/22 14:39	05/13/22 13:36	65-85-0	J
Benzo(a)anthracene	ND	mg/kg	0.0429	1	05/12/22 14:39	05/13/22 13:36	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0429	1	05/12/22 14:39	05/13/22 13:36	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0429	1	05/12/22 14:39	05/13/22 13:36	207-08-9	
Benzo(g,h,i)perylene	ND	mg/kg	0.0429	1	05/12/22 14:39	05/13/22 13:36	191-24-2	
Benzo(a)pyrene	ND	mg/kg	0.0429	1	05/12/22 14:39	05/13/22 13:36	50-32-8	
Carbazole	ND	mg/kg	0.429	1	05/12/22 14:39	05/13/22 13:36	86-74-8	
Chrysene	ND	mg/kg	0.0429	1	05/12/22 14:39	05/13/22 13:36	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0429	1	05/12/22 14:39	05/13/22 13:36	53-70-3	
Dibenzofuran	ND	mg/kg	0.429	1	05/12/22 14:39	05/13/22 13:36	132-64-9	
Fluoranthene	ND	mg/kg	0.0429	1	05/12/22 14:39	05/13/22 13:36	206-44-0	
Fluorene	ND	mg/kg	0.0429	1	05/12/22 14:39	05/13/22 13:36	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0429	1	05/12/22 14:39	05/13/22 13:36	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0429	1	05/12/22 14:39	05/13/22 13:36	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.0429	1	05/12/22 14:39	05/13/22 13:36	91-57-6	
Naphthalene	ND	mg/kg	0.0429	1	05/12/22 14:39	05/13/22 13:36	91-20-3	
Phenanthrene	ND	mg/kg	0.0429	1	05/12/22 14:39	05/13/22 13:36	85-01-8	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.429	1	05/12/22 14:39	05/13/22 13:36	117-81-7	
Di-n-butylphthalate	ND	mg/kg	0.429	1	05/12/22 14:39	05/13/22 13:36	84-74-2	
Di-n-octylphthalate	ND	mg/kg	0.429	1	05/12/22 14:39	05/13/22 13:36	117-84-0	
Pyrene	ND	mg/kg	0.0429	1	05/12/22 14:39	05/13/22 13:36	129-00-0	
3&4-Methylphenol(m&p Cresol)	ND	mg/kg	0.429	1	05/12/22 14:39	05/13/22 13:36		
Pentachlorophenol	ND	mg/kg	0.429	1	05/12/22 14:39	05/13/22 13:36	87-86-5	

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ANALYTICAL RESULTS

Project: D3593500-Revised Report
Pace Project No.: 10606565

Sample: BNSF-H360-042922-0-8 **Lab ID: 10606565006** Collected: 04/29/22 09:25 Received: 05/02/22 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet							
Phenol	ND	mg/kg	0.429	1	05/12/22 14:39	05/13/22 13:36	108-95-2	
Surrogates								
2-Fluorophenol (S)	68.2	%	12.0-120	1	05/12/22 14:39	05/13/22 13:36	367-12-4	
Phenol-d5 (S)	60.9	%	10.0-120	1	05/12/22 14:39	05/13/22 13:36	4165-62-2	
Nitrobenzene-d5 (S)	61.8	%	10.0-122	1	05/12/22 14:39	05/13/22 13:36	4165-60-0	
2-Fluorobiphenyl (S)	66.1	%	15.0-120	1	05/12/22 14:39	05/13/22 13:36	321-60-8	
2,4,6-Tribromophenol (S)	69.7	%	10.0-127	1	05/12/22 14:39	05/13/22 13:36	118-79-6	
p-Terphenyl-d14 (S)	70.3	%	10.0-120	1	05/12/22 14:39	05/13/22 13:36	1718-51-0	
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet							
Total Solids	**77.7**	%		1	05/05/22 20:04	05/05/22 20:17		
Wet Chemistry 9034/9030B	Analytical Method: EPA 9030B Preparation Method: 9030B Pace National - Mt. Juliet							
Sulfide	ND	mg/kg	96.6	1	05/03/22 12:51	05/05/22 18:00	18496-25-8	

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606565

QC Batch: 812970 Analysis Method: EPA 7471B
QC Batch Method: EPA 7471B Analysis Description: 7471B Mercury Solids
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10606565001, 10606565002, 10606565003, 10606565004, 10606565005, 10606565006

METHOD BLANK: 4310667 Matrix: Solid
Associated Lab Samples: 10606565001, 10606565002, 10606565003, 10606565004, 10606565005, 10606565006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.017	05/19/22 11:49	

LABORATORY CONTROL SAMPLE: 4310668

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.46	0.48	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4310669 4310670

Parameter	Units	10606560003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.012J	0.65	0.65	0.66	0.67	100	102	80-120	2	20	

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606565

QC Batch: 812968
QC Batch Method: EPA 3050B
Analysis Method: EPA 6020B
Analysis Description: 6020B Solids UPD5
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10606565001, 10606565002, 10606565003, 10606565004, 10606565005, 10606565006

METHOD BLANK: 4310659 Matrix: Solid
Associated Lab Samples: 10606565001, 10606565002, 10606565003, 10606565004, 10606565005, 10606565006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.50	05/17/22 15:23	
Cadmium	mg/kg	ND	0.079	05/17/22 15:23	
Chromium	mg/kg	ND	2.0	05/17/22 15:23	
Copper	mg/kg	0.26J	0.99	05/17/22 15:23	
Lead	mg/kg	ND	0.50	05/17/22 15:23	
Nickel	mg/kg	ND	0.50	05/17/22 15:23	
Selenium	mg/kg	ND	0.50	05/17/22 15:23	
Silver	mg/kg	ND	0.50	05/17/22 15:23	
Zinc	mg/kg	ND	5.0	05/17/22 15:23	

LABORATORY CONTROL SAMPLE: 4310660

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	49	53.5	109	80-120	
Cadmium	mg/kg	49	54.6	111	80-120	
Chromium	mg/kg	49	57.9	118	80-120	
Copper	mg/kg	49	59.0	120	80-120	
Lead	mg/kg	49	56.4	115	80-120	
Nickel	mg/kg	49	58.6	119	80-120	
Selenium	mg/kg	49	54.9	112	80-120	
Silver	mg/kg	24.5	28.3	115	80-120	
Zinc	mg/kg	49	55.4	113	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4310661 4310662

Parameter	Units	10606560003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	2.6	73.4	71.4	79.1	78.5	104	106	75-125	1	20	
Cadmium	mg/kg	0.29	73.4	71.4	77.7	78.5	105	110	75-125	1	20	
Chromium	mg/kg	15.7	73.4	71.4	96.9	96.7	111	113	75-125	0	20	
Copper	mg/kg	12.7	73.4	71.4	94.5	93.9	111	114	75-125	1	20	
Lead	mg/kg	5.9	73.4	71.4	85.7	84.9	109	111	75-125	1	20	
Nickel	mg/kg	15.0	73.4	71.4	97.6	97.0	112	115	75-125	1	20	
Selenium	mg/kg	0.31J	73.4	71.4	78.0	74.4	106	104	75-125	5	20	
Silver	mg/kg	ND	36.8	35.6	40.4	40.4	110	113	75-125	0	20	
Zinc	mg/kg	81.6	73.4	71.4	154	154	98	102	75-125	0	20	

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606565

QC Batch: 817130
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight / %M by ASTM D2974
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10606565001, 10606565002, 10606565003, 10606565004, 10606565005, 10606565006

SAMPLE DUPLICATE: 4330955

Parameter	Units	10606565001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	25.5	23.2	9	30	N2

SAMPLE DUPLICATE: 4331539

Parameter	Units	10608933001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.2	17.0	26	30	N2

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606565

QC Batch: 1861595
QC Batch Method: 3546
Analysis Method: EPA 8270E
Analysis Description: SVOA (GC/MS) 8270E
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10606565001, 10606565002

METHOD BLANK: R3791359-2 Matrix: Solid
Associated Lab Samples: 10606565001, 10606565002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	mg/kg	ND	0.0333	05/12/22 07:11	
Acenaphthylene	mg/kg	ND	0.0333	05/12/22 07:11	
Anthracene	mg/kg	ND	0.0333	05/12/22 07:11	
Benzoic acid	mg/kg	ND	1.67	05/12/22 07:11	
Benzo(a)anthracene	mg/kg	ND	0.0333	05/12/22 07:11	
Benzo(b)fluoranthene	mg/kg	ND	0.0333	05/12/22 07:11	
Benzo(k)fluoranthene	mg/kg	ND	0.0333	05/12/22 07:11	
Benzo(g,h,i)perylene	mg/kg	ND	0.0333	05/12/22 07:11	
Benzo(a)pyrene	mg/kg	ND	0.0333	05/12/22 07:11	
Carbazole	mg/kg	ND	0.333	05/12/22 07:11	
Chrysene	mg/kg	ND	0.0333	05/12/22 07:11	
Dibenz(a,h)anthracene	mg/kg	ND	0.0333	05/12/22 07:11	
Dibenzofuran	mg/kg	ND	0.333	05/12/22 07:11	
Fluoranthene	mg/kg	ND	0.0333	05/12/22 07:11	
Fluorene	mg/kg	ND	0.0333	05/12/22 07:11	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0333	05/12/22 07:11	
1-Methylnaphthalene	mg/kg	ND	0.0333	05/12/22 07:11	
2-Methylnaphthalene	mg/kg	ND	0.0333	05/12/22 07:11	
Naphthalene	mg/kg	ND	0.0333	05/12/22 07:11	
Phenanthrene	mg/kg	ND	0.0333	05/12/22 07:11	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.333	05/12/22 07:11	
Di-n-butylphthalate	mg/kg	ND	0.333	05/12/22 07:11	
Di-n-octylphthalate	mg/kg	ND	0.333	05/12/22 07:11	
Pyrene	mg/kg	ND	0.0333	05/12/22 07:11	
3&4-Methylphenol(m&p Cresol)	mg/kg	ND	0.333	05/12/22 07:11	
Pentachlorophenol	mg/kg	ND	0.333	05/12/22 07:11	
Phenol	mg/kg	ND	0.333	05/12/22 07:11	
2-Fluorophenol (S)	%	64	12.0-120	05/12/22 07:11	
Phenol-d5 (S)	%	61.1	10.0-120	05/12/22 07:11	
Nitrobenzene-d5 (S)	%	64	10.0-122	05/12/22 07:11	
2-Fluorobiphenyl (S)	%	58.3	15.0-120	05/12/22 07:11	
2,4,6-Tribromophenol (S)	%	58.6	10.0-127	05/12/22 07:11	
p-Terphenyl-d14 (S)	%	66.7	10.0-120	05/12/22 07:11	

LABORATORY CONTROL SAMPLE: R3791359-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	mg/kg	0.666	0.369	55.4	38.0-120	
Acenaphthylene	mg/kg	0.666	0.388	58.3	40.0-120	

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606565

LABORATORY CONTROL SAMPLE: R3791359-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	mg/kg	0.666	0.390	58.6	42.0-120	
Benzoic acid	mg/kg	1.33	0.163	12.3	10.0-120	
Benzo(a)anthracene	mg/kg	0.666	0.388	58.3	44.0-120	
Benzo(b)fluoranthene	mg/kg	0.666	0.392	58.9	43.0-120	
Benzo(k)fluoranthene	mg/kg	0.666	0.411	61.7	44.0-120	
Benzo(g,h,i)perylene	mg/kg	0.666	0.433	65.0	43.0-120	
Benzo(a)pyrene	mg/kg	0.666	0.436	65.5	45.0-120	
Carbazole	mg/kg	0.666	0.370	55.6	48.0-120	
Chrysene	mg/kg	0.666	0.393	59.0	43.0-120	
Dibenz(a,h)anthracene	mg/kg	0.666	0.425	63.8	44.0-120	
Dibenzofuran	mg/kg	0.666	0.366	55.0	44.0-120	
Fluoranthene	mg/kg	0.666	0.383	57.5	44.0-120	
Fluorene	mg/kg	0.666	0.381	57.2	41.0-120	
Indeno(1,2,3-cd)pyrene	mg/kg	0.666	0.411	61.7	45.0-120	
1-Methylnaphthalene	mg/kg	0.666	0.308	46.2	34.0-120	
2-Methylnaphthalene	mg/kg	0.666	0.299	44.9	34.0-120	
Naphthalene	mg/kg	0.666	0.301	45.2	18.0-120	
Phenanthrene	mg/kg	0.666	0.382	57.4	42.0-120	
bis(2-Ethylhexyl)phthalate	mg/kg	0.666	0.454	68.2	41.0-120	
Di-n-butylphthalate	mg/kg	0.666	0.444	66.7	43.0-120	
Di-n-octylphthalate	mg/kg	0.666	0.423	63.5	40.0-120	
Pyrene	mg/kg	0.666	0.374	56.2	41.0-120	
3&4-Methylphenol(m&p Cresol)	mg/kg	0.666	0.447	67.1	42.0-120	
Pentachlorophenol	mg/kg	0.666	0.343	51.5	29.0-120	
Phenol	mg/kg	0.666	0.361	54.2	28.0-120	
2-Fluorophenol (S)	%			53.9	12.0-120	
Phenol-d5 (S)	%			54.5	10.0-120	
Nitrobenzene-d5 (S)	%			49.5	10.0-122	
2-Fluorobiphenyl (S)	%			52.6	15.0-120	
2,4,6-Tribromophenol (S)	%			59.8	10.0-127	
p-Terphenyl-d14 (S)	%			57.1	10.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3791359-3 R3791359-4

Parameter	Units	L1488414-03 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	mg/kg	0.0262	0.829	0.834	0.475	0.502	54.2	57.0	18.0-120	5.45	32	
Acenaphthylene	mg/kg	ND	0.829	0.834	0.482	0.502	58.1	60.2	25.0-120	4.12	32	
Anthracene	mg/kg	0.00809	0.829	0.834	0.492	0.491	58.4	57.8	22.0-120	0.258	29	
Benzoic acid	mg/kg	ND	1.66	1.67	U	U	0.00	0.00	10.0-152	17.2	40	ML
Benzo(a)anthracene	mg/kg	ND	0.829	0.834	0.464	0.557	56.0	66.7	25.0-120	18.1	29	
Benzo(b)fluoranthene	mg/kg	ND	0.829	0.834	0.483	0.493	58.3	59.1	19.0-122	2.08	31	
Benzo(k)fluoranthene	mg/kg	ND	0.829	0.834	0.493	0.533	59.5	63.8	23.0-120	7.66	30	
Benzo(g,h,i)perylene	mg/kg	ND	0.829	0.834	0.482	0.507	58.1	60.8	10.0-120	5.13	33	
Benzo(a)pyrene	mg/kg	ND	0.829	0.834	0.553	0.555	66.7	66.6	24.0-120	0.458	30	

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606565

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		R3791359-3			R3791359-4							
Parameter	Units	L1488414-03 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Carbazole	mg/kg	ND	0.829	0.834	0.474	0.473	57.2	56.7	31.0-120	0.268	24	
Chrysene	mg/kg	ND	0.829	0.834	0.455	0.543	54.9	65.0	21.0-120	17.5	29	
Dibenz(a,h)anthracene	mg/kg	ND	0.829	0.834	0.484	0.506	58.4	60.6	10.0-120	4.35	32	
Dibenzofuran	mg/kg	ND	0.829	0.834	0.467	0.488	56.3	58.5	24.0-120	4.52	30	
Fluoranthene	mg/kg	ND	0.829	0.834	0.502	0.502	60.6	60.2	18.0-126	0.00	32	
Fluorene	mg/kg	0.0287	0.829	0.834	0.493	0.514	56.0	58.1	25.0-120	4.03	30	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.829	0.834	0.483	0.515	58.3	61.7	10.0-120	6.35	32	
1-Methylnaphthalene	mg/kg	0.346	0.829	0.834	0.662	0.669	38.1	38.8	10.0-120	1.14	36	
2-Methylnaphthalene	mg/kg	0.709	0.829	0.834	0.909	0.915	24.2	24.8	10.0-120	0.695	37	
Naphthalene	mg/kg	0.217	0.829	0.834	0.503	0.520	34.6	36.3	10.0-120	3.22	35	
Phenanthrene	mg/kg	0.108	0.829	0.834	0.626	0.628	62.5	62.2	17.0-120	0.202	31	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.829	0.834	0.539	0.643	65.0	77.1	17.0-126	17.6	30	
Di-n-butylphthalate	mg/kg	ND	0.829	0.834	0.582	0.569	70.2	68.2	30.0-120	2.20	29	
Di-n-octylphthalate	mg/kg	ND	0.829	0.834	0.531	0.617	64.1	74.0	21.0-123	15.0	29	
Pyrene	mg/kg	ND	0.829	0.834	0.463	0.544	55.8	65.2	16.0-121	16.1	32	
3&4-Methylphenol(m&p Cresol)	mg/kg	ND	0.829	0.834	0.572	0.585	69.0	70.1	12.0-123	2.19	38	
Pentachlorophenol	mg/kg	ND	0.829	0.834	0.473	0.494	57.0	59.3	10.0-160	4.46	31	
Phenol	mg/kg	ND	0.829	0.834	0.436	0.444	52.6	53.2	12.0-120	1.73	38	
2-Fluorophenol (S)	%						52.4	55.8	12.0-120			
Phenol-d5 (S)	%						54.4	56.2	10.0-120			
Nitrobenzene-d5 (S)	%						43.4	47.4	10.0-122			
2-Fluorobiphenyl (S)	%						48.0	51.7	15.0-120			
2,4,6-Tribromophenol (S)	%						64.2	60.8	10.0-127			
p-Terphenyl-d14 (S)	%						56.3	66.9	10.0-120			

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606565

QC Batch: 1861596
QC Batch Method: 3546
Analysis Method: EPA 8270E
Analysis Description: SVOA (GC/MS) 8270E
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10606565003, 10606565004, 10606565005, 10606565006

METHOD BLANK: R3791942-2 Matrix: Solid
Associated Lab Samples: 10606565003, 10606565004, 10606565005, 10606565006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	mg/kg	ND	0.0333	05/13/22 09:05	
Acenaphthylene	mg/kg	ND	0.0333	05/13/22 09:05	
Anthracene	mg/kg	ND	0.0333	05/13/22 09:05	
Benzoic acid	mg/kg	ND	1.67	05/13/22 09:05	
Benzo(a)anthracene	mg/kg	ND	0.0333	05/13/22 09:05	
Benzo(b)fluoranthene	mg/kg	ND	0.0333	05/13/22 09:05	
Benzo(k)fluoranthene	mg/kg	ND	0.0333	05/13/22 09:05	
Benzo(g,h,i)perylene	mg/kg	ND	0.0333	05/13/22 09:05	
Benzo(a)pyrene	mg/kg	ND	0.0333	05/13/22 09:05	
Carbazole	mg/kg	ND	0.333	05/13/22 09:05	
Chrysene	mg/kg	ND	0.0333	05/13/22 09:05	
Dibenz(a,h)anthracene	mg/kg	ND	0.0333	05/13/22 09:05	
Dibenzofuran	mg/kg	ND	0.333	05/13/22 09:05	
Fluoranthene	mg/kg	ND	0.0333	05/13/22 09:05	
Fluorene	mg/kg	ND	0.0333	05/13/22 09:05	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0333	05/13/22 09:05	
1-Methylnaphthalene	mg/kg	ND	0.0333	05/13/22 09:05	
2-Methylnaphthalene	mg/kg	ND	0.0333	05/13/22 09:05	
Naphthalene	mg/kg	ND	0.0333	05/13/22 09:05	
Phenanthrene	mg/kg	ND	0.0333	05/13/22 09:05	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.333	05/13/22 09:05	
Di-n-butylphthalate	mg/kg	ND	0.333	05/13/22 09:05	
Di-n-octylphthalate	mg/kg	ND	0.333	05/13/22 09:05	
Pyrene	mg/kg	ND	0.0333	05/13/22 09:05	
3&4-Methylphenol(m&p Cresol)	mg/kg	ND	0.333	05/13/22 09:05	
Pentachlorophenol	mg/kg	ND	0.333	05/13/22 09:05	
Phenol	mg/kg	ND	0.333	05/13/22 09:05	
2-Fluorophenol (S)	%	73.6	12.0-120	05/13/22 09:05	
Phenol-d5 (S)	%	65	10.0-120	05/13/22 09:05	
Nitrobenzene-d5 (S)	%	67.9	10.0-122	05/13/22 09:05	
2-Fluorobiphenyl (S)	%	70.6	15.0-120	05/13/22 09:05	
2,4,6-Tribromophenol (S)	%	68.9	10.0-127	05/13/22 09:05	
p-Terphenyl-d14 (S)	%	80.2	10.0-120	05/13/22 09:05	

LABORATORY CONTROL SAMPLE: R3791942-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	mg/kg	0.666	0.492	73.9	38.0-120	
Acenaphthylene	mg/kg	0.666	0.544	81.7	40.0-120	

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606565

LABORATORY CONTROL SAMPLE: R3791942-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	mg/kg	0.666	0.535	80.3	42.0-120	
Benzoic acid	mg/kg	1.33	0.542	40.8	10.0-120	
Benzo(a)anthracene	mg/kg	0.666	0.568	85.3	44.0-120	
Benzo(b)fluoranthene	mg/kg	0.666	0.568	85.3	43.0-120	
Benzo(k)fluoranthene	mg/kg	0.666	0.554	83.2	44.0-120	
Benzo(g,h,i)perylene	mg/kg	0.666	0.572	85.9	43.0-120	
Benzo(a)pyrene	mg/kg	0.666	0.627	94.1	45.0-120	
Carbazole	mg/kg	0.666	0.527	79.1	48.0-120	
Chrysene	mg/kg	0.666	0.549	82.4	43.0-120	
Dibenz(a,h)anthracene	mg/kg	0.666	0.570	85.6	44.0-120	
Dibenzofuran	mg/kg	0.666	0.512	76.9	44.0-120	
Fluoranthene	mg/kg	0.666	0.539	80.9	44.0-120	
Fluorene	mg/kg	0.666	0.519	77.9	41.0-120	
Indeno(1,2,3-cd)pyrene	mg/kg	0.666	0.624	93.7	45.0-120	
1-Methylnaphthalene	mg/kg	0.666	0.410	61.6	34.0-120	
2-Methylnaphthalene	mg/kg	0.666	0.404	60.7	34.0-120	
Naphthalene	mg/kg	0.666	0.390	58.6	18.0-120	
Phenanthrene	mg/kg	0.666	0.521	78.2	42.0-120	
bis(2-Ethylhexyl)phthalate	mg/kg	0.666	0.584	87.7	41.0-120	
Di-n-butylphthalate	mg/kg	0.666	0.545	81.8	43.0-120	
Di-n-octylphthalate	mg/kg	0.666	0.625	93.8	40.0-120	
Pyrene	mg/kg	0.666	0.551	82.7	41.0-120	
3&4-Methylphenol(m&p Cresol)	mg/kg	0.666	0.498	74.8	42.0-120	
Pentachlorophenol	mg/kg	0.666	0.573	86.0	29.0-120	
Phenol	mg/kg	0.666	0.475	71.3	28.0-120	
2-Fluorophenol (S)	%			77.2	12.0-120	
Phenol-d5 (S)	%			69.7	10.0-120	
Nitrobenzene-d5 (S)	%			55.9	10.0-122	
2-Fluorobiphenyl (S)	%			70.9	15.0-120	
2,4,6-Tribromophenol (S)	%			75.8	10.0-127	
p-Terphenyl-d14 (S)	%			78.4	10.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3791942-3 R3791942-4

Parameter	Units	L1488912-11 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	mg/kg	0.588	0.666	0.666	1.26	1.38	90.4	107	18.0-120	9.28	32	
Acenaphthylene	mg/kg	0.584	0.666	0.666	1.38	1.49	108	123	25.0-120	7.75	32	MH
Anthracene	mg/kg	2.07	0.666	0.666	3.28	3.92	162	249	22.0-120	18.0	29	MH
Benzoic acid	mg/kg	ND	1.33	1.33	U	U	57.0	55.0	10.0-152	3.37	40	
Benzo(a)anthracene	mg/kg	3.34	0.666	0.666	5.38	6.11	275	372	25.0-120	12.6	29	P6
Benzo(b)fluoranthene	mg/kg	3.58	0.666	0.666	6.04	7.00	332	461	19.0-122	14.7	31	P6
Benzo(k)fluoranthene	mg/kg	1.30	0.666	0.666	2.44	2.80	153	201	23.0-120	13.6	30	MH
Benzo(g,h,i)perylene	mg/kg	0.987	0.666	0.666	1.53	1.80	72.7	110	10.0-120	16.7	33	
Benzo(a)pyrene	mg/kg	3.09	0.666	0.666	5.15	5.87	278	375	24.0-120	13.1	30	P6

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606565

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		R3791942-3			R3791942-4							
Parameter	Units	L1488912-11 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Carbazole	mg/kg	0.135	0.666	0.666	0.762	0.813	84.5	91.4	31.0-120	6.51	24	
Chrysene	mg/kg	2.79	0.666	0.666	5.04	5.85	303	413	21.0-120	14.9	29	MH
Dibenz(a,h)anthracene	mg/kg	0.304	0.666	0.666	0.732	0.829	57.7	70.7	10.0-120	12.4	32	
Dibenzofuran	mg/kg	1.26	0.666	0.666	2.06	2.37	108	150	24.0-120	14.1	30	MH
Fluoranthene	mg/kg	8.14	0.666	0.666	11.9	14.3	509	824	18.0-126	17.9	32	P6
Fluorene	mg/kg	1.64	0.666	0.666	2.57	3.01	126	185	25.0-120	15.6	30	MH
Indeno(1,2,3-cd)pyrene	mg/kg	1.37	0.666	0.666	2.16	2.53	107	156	10.0-120	15.7	32	MH
1-Methylnaphthalene	mg/kg	ND	0.666	0.666	0.626	0.627	84.4	84.5	10.0-120	0.178	36	
2-Methylnaphthalene	mg/kg	ND	0.666	0.666	0.593	0.595	79.9	80.2	10.0-120	0.375	37	
Naphthalene	mg/kg	ND	0.666	0.666	0.623	0.619	83.9	83.5	10.0-120	0.538	35	
Phenanthrene	mg/kg	3.87	0.666	0.666	5.58	6.31	231	329	17.0-120	12.2	31	P6
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.666	0.666	0.686	0.675	92.5	91.0	17.0-126	1.64	30	
Di-n-butylphthalate	mg/kg	ND	0.666	0.666	0.575	0.574	77.5	77.3	30.0-120	0.194	29	
Di-n-octylphthalate	mg/kg	ND	0.666	0.666	0.695	0.694	93.7	93.5	21.0-123	0.160	29	
Pyrene	mg/kg	6.33	0.666	0.666	9.37	11.1	410	637	16.0-121	16.5	32	P6
3&4-Methylphenol(m&p Cresol)	mg/kg	ND	0.666	0.666	0.626	0.640	84.4	86.2	12.0-123	2.11	38	
Pentachlorophenol	mg/kg	ND	0.666	0.666	0.287	0.313	38.7	42.2	10.0-160	8.53	31	
Phenol	mg/kg	ND	0.666	0.666	0.580	0.583	78.2	78.5	12.0-120	0.383	38	
2-Fluorophenol (S)	%						88.3	84.7	12.0-120			
Phenol-d5 (S)	%						77.0	76.1	10.0-120			
Nitrobenzene-d5 (S)	%						72.4	71.5	10.0-122			
2-Fluorobiphenyl (S)	%						82.0	77.8	15.0-120			
2,4,6-Tribromophenol (S)	%						73.0	72.2	10.0-127			
p-Terphenyl-d14 (S)	%						82.3	76.6	10.0-120			

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606565

QC Batch: 812903
QC Batch Method: EPA 3550
Analysis Method: NWTPH-Dx
Analysis Description: NWTPH-Dx GCS
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10606565001, 10606565002, 10606565003, 10606565004, 10606565005, 10606565006

METHOD BLANK: 4310214 Matrix: Solid
Associated Lab Samples: 10606565001, 10606565002, 10606565003, 10606565004, 10606565005, 10606565006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range	mg/kg	ND	15.0	05/12/22 01:04	
Motor Oil Range	mg/kg	ND	10.0	05/12/22 01:04	
n-Triacontane (S)	%.	101	50-150	05/12/22 01:04	
o-Terphenyl (S)	%.	91	50-150	05/12/22 01:04	

LABORATORY CONTROL SAMPLE: 4310215

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Fuel Range	mg/kg	50	48.2	96	50-150	
Motor Oil Range	mg/kg	50	47.7	95	50-150	
n-Triacontane (S)	%.			100	50-150	
o-Terphenyl (S)	%.			89	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4310216 4310217

Parameter	Units	10606560003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diesel Fuel Range	mg/kg	ND	74	74	65.4	69.5	80	85	50-150	6	30	
Motor Oil Range	mg/kg	31.6	74	74	80.1	90.2	66	79	50-150	12	30	
n-Triacontane (S)	%.						98	105	50-150			
o-Terphenyl (S)	%.						74	80	50-150			

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606565

QC Batch: 1858339
QC Batch Method: SM 2540 G
Analysis Method: SM 2540G
Analysis Description: Total Solids 2540 G-2011
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10606565001, 10606565002

METHOD BLANK: R3788778-1 Matrix: Solid
Associated Lab Samples: 10606565001, 10606565002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	0.00100		05/05/22 06:27	

LABORATORY CONTROL SAMPLE: R3788778-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Solids	%	50.0	50.0	100	85.0-115	

SAMPLE DUPLICATE: R3788778-3

Parameter	Units	L1488686-01 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	77.9	79.3	1.81	10	

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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606565

QC Batch: 1859076
QC Batch Method: SM 2540 G
Analysis Method: SM 2540G
Analysis Description: Total Solids 2540 G-2011
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10606565003, 10606565004

METHOD BLANK: R3789056-1 Matrix: Solid
Associated Lab Samples: 10606565003, 10606565004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	ND		05/05/22 20:58	

LABORATORY CONTROL SAMPLE: R3789056-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Solids	%	50.0	50.0	100	85.0-115	

SAMPLE DUPLICATE: R3789056-3

Parameter	Units	L1488622-05 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	91.7	95.6	4.06	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606565

QC Batch: 1859077
QC Batch Method: SM 2540 G
Analysis Method: SM 2540G
Analysis Description: Total Solids 2540 G-2011
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10606565005, 10606565006

METHOD BLANK: R3789049-1 Matrix: Solid
Associated Lab Samples: 10606565005, 10606565006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	0.00100		05/05/22 20:17	

LABORATORY CONTROL SAMPLE: R3789049-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Solids	%	50.0	50.0	100	85.0-115	

SAMPLE DUPLICATE: R3789049-3

Parameter	Units	10606565006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	77.7	77.6	0.0183	10	

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1700 Elm Street
Minneapolis, MN 55414
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QUALITY CONTROL DATA

Project: D3593500-Revised Report
Pace Project No.: 10606565

QC Batch: 1857987 — Analysis Method: EPA 9030B
QC Batch Method: 9030B — Analysis Description: Wet Chemistry 9034/9030B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10606565001, 10606565002, 10606565003, 10606565004, 10606565005, 10606565006

METHOD BLANK: R3788703-1 Matrix: Solid
Associated Lab Samples: 10606565001, 10606565002, 10606565003, 10606565004, 10606565005, 10606565006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/kg	ND	75.0	05/05/22 18:00	

LABORATORY CONTROL SAMPLE: R3788703-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/kg	100	71.1	71.1	53.8-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3788703-3 R3788703-4

Parameter	Units	L1488556-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/kg	ND	100	100	69.5	66.7	69.5	66.7	10.0-136	4.06	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: D3593500-Revised Report
Pace Project No.: 10606565

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 10606565003

[1] Semi Volatile Organic Compounds (GC/MS) by Method 8270E - Dilution due to matrix impact during extraction procedure

Sample: 10606565004

[1] Semi Volatile Organic Compounds (GC/MS) by Method 8270E - Dilution due to matrix impact during extraction procedure

Sample: 10606565005

[1] Semi Volatile Organic Compounds (GC/MS) by Method 8270E - Dilution due to matrix impact during extraction procedure

ANALYTE QUALIFIERS

C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: D3593500-Revised Report
Pace Project No.: 10606565

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10606565001	BNSF-SG11-042822-0-5	EPA 3550	812903	NWTPH-Dx	814391
10606565002	BNSF-E380-042822-0-4	EPA 3550	812903	NWTPH-Dx	814391
10606565003	BNSF-E320-042822-0-4	EPA 3550	812903	NWTPH-Dx	814391
10606565004	BNSF-D160-042822-0-5	EPA 3550	812903	NWTPH-Dx	814391
10606565005	BNSF-E460-042922-0-4	EPA 3550	812903	NWTPH-Dx	814391
10606565006	BNSF-H360-042922-0-8	EPA 3550	812903	NWTPH-Dx	814391
10606565001	BNSF-SG11-042822-0-5	EPA 3050B	812968	EPA 6020B	813287
10606565002	BNSF-E380-042822-0-4	EPA 3050B	812968	EPA 6020B	813287
10606565003	BNSF-E320-042822-0-4	EPA 3050B	812968	EPA 6020B	813287
10606565004	BNSF-D160-042822-0-5	EPA 3050B	812968	EPA 6020B	813287
10606565005	BNSF-E460-042922-0-4	EPA 3050B	812968	EPA 6020B	813287
10606565006	BNSF-H360-042922-0-8	EPA 3050B	812968	EPA 6020B	813287
10606565001	BNSF-SG11-042822-0-5	EPA 7471B	812970	EPA 7471B	814205
10606565002	BNSF-E380-042822-0-4	EPA 7471B	812970	EPA 7471B	814205
10606565003	BNSF-E320-042822-0-4	EPA 7471B	812970	EPA 7471B	814205
10606565004	BNSF-D160-042822-0-5	EPA 7471B	812970	EPA 7471B	814205
10606565005	BNSF-E460-042922-0-4	EPA 7471B	812970	EPA 7471B	814205
10606565006	BNSF-H360-042922-0-8	EPA 7471B	812970	EPA 7471B	814205
10606565001	BNSF-SG11-042822-0-5	ASTM D2974	817130		
10606565002	BNSF-E380-042822-0-4	ASTM D2974	817130		
10606565003	BNSF-E320-042822-0-4	ASTM D2974	817130		
10606565004	BNSF-D160-042822-0-5	ASTM D2974	817130		
10606565005	BNSF-E460-042922-0-4	ASTM D2974	817130		
10606565006	BNSF-H360-042922-0-8	ASTM D2974	817130		
10606565001	BNSF-SG11-042822-0-5	3546	1861595	EPA 8270E	1861595
10606565002	BNSF-E380-042822-0-4	3546	1861595	EPA 8270E	1861595
10606565003	BNSF-E320-042822-0-4	3546	1861596	EPA 8270E	1861596
10606565004	BNSF-D160-042822-0-5	3546	1861596	EPA 8270E	1861596
10606565005	BNSF-E460-042922-0-4	3546	1861596	EPA 8270E	1861596
10606565006	BNSF-H360-042922-0-8	3546	1861596	EPA 8270E	1861596
10606565001	BNSF-SG11-042822-0-5	SM 2540 G	1858339	SM 2540G	1858339
10606565002	BNSF-E380-042822-0-4	SM 2540 G	1858339	SM 2540G	1858339
10606565003	BNSF-E320-042822-0-4	SM 2540 G	1859076	SM 2540G	1859076
10606565004	BNSF-D160-042822-0-5	SM 2540 G	1859076	SM 2540G	1859076
10606565005	BNSF-E460-042922-0-4	SM 2540 G	1859077	SM 2540G	1859077
10606565006	BNSF-H360-042922-0-8	SM 2540 G	1859077	SM 2540G	1859077
10606565001	BNSF-SG11-042822-0-5	9030B	1857987	EPA 9030B	1857987
10606565002	BNSF-E380-042822-0-4	9030B	1857987	EPA 9030B	1857987
10606565003	BNSF-E320-042822-0-4	9030B	1857987	EPA 9030B	1857987
10606565004	BNSF-D160-042822-0-5	9030B	1857987	EPA 9030B	1857987
10606565005	BNSF-E460-042922-0-4	9030B	1857987	EPA 9030B	1857987
10606565006	BNSF-H360-042922-0-8	9030B	1857987	EPA 9030B	1857987

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 10606565

10606565

ALL SHADE

Company: JACOBS	Billing Information: SEE CONTRACT
Address: 2020 SW 4TH AVE, SUITE 300 PDX 97201	
Report To: KRIS IVARSON	Email To: KRIS.WARSON@JACOBS.COM BERNICE.KIDD@JACOBS.COM
Copy To: BERNEY KIDD	Site Collection Info/Address: BNSF WILSHRAM
Customer Project Name/Number: D3593500	State: WA / County/City: KLICKITAT Time Zone Collected: [X] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): J. MRICH	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: STNDRD Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [X] No Analysis:

Container Preservative Type: U U U U U U U

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: Ammonia (SM4500 NH3)	T. Sulfides (SW9030)	Metals (SW6020B/SW7470B) TDC (SW6020A)	PCB Congeners & Dioxins/Furans (EPA 1668C / EPA 1613B)	TPH DRO (NWTPH-DX)	SVOCs & PAHs (SW8270E-SIM)	Grain Size (D422/D6913)	Lab Profile/Line:
BNSF-SG11-042822-0-5	SL	G	4/28/22	0805				7	X	X	X	X	X	X	X	001
BNSF-E380-042822-0-4	SL	Comp	4/28/22	0835	4/28/22	0840		7	X	X	X	X	X	X	X	002
BNSF-E320-042822-0-4	SL	G	4/28/22	0905				7	X	X	X	X	X	X	X	003
BNSF-D160-042822-0-5	SL	G	4/28/22	0950				7	X	X	X	X	X	X	X	004
BNSF-E460-042922-0-4	SL	Comp	4/29/22	0845	4/29/22	0850		7	X	X	X	X	X	X	X	005
BNSF-H360-042922-0-8	SL	Comp	4/29/22	0920	4/29/22	0925		7	X	X	X	X	X	X	X	006

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

- AMMONIA & T. SULFIDES HAVE 7-DAY TO EXTRACTION HOLD TIMES

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2743842

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: (Y) N NA
Therm ID#: 1
Cooler 1 Temp Upon Receipt: _____oC
Cooler 1 Therm Corr. Factor: _____oC
Cooler 1 Corrected Temp: _____oC
Comments: 11.0

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Caleb Torgerson / Jacobs	4/29/22, 1530	/ PACE	5.2.22 8:50
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

10606565 34 of 1506

DC#_Title: ENV-FRM-MIN4-0149 v03_Sample Condition Upon Receipt (SCUR) - ESI

Effective Date: 04/12/2022

Sample Condition Upon Receipt – ESI Tech Specs

WO#: 10606565
Due Date: 05/16/22
PM: JDD
CLIENT: PASI-MINN

Client Name: Jacobs

Project #:

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial

Tracking Number: 272601041924

See Exceptions ☐ ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other: _____ Temp Blank? ☑ Yes ☐ No

Thermometer: ☑ T1(0461) ☐ T2(1336) ☐ T3(0459) ☐ T4(0254) ☐ T5(0489) ☐ T6(0235) ☐ T7(0042) Type of Ice: ☑ Wet ☐ Blue ☐ None ☐ Dry ☑ Melted

Temp should be above freezing to 6°C Cooler Temp Read w/temp blank: 11.0 °C

Correction Factor: true Cooler Temp Corrected w/temp blank: 11.0 °C

Average Corrected Temp (no temp blank only): _____ °C ☐ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container

USDA Regulated Soil: (☐ N/A, water sample/Other: _____) Date/Initials of Person Examining Contents: ED 5.2.22

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐ Yes ☑ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☑ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present and Filled Out?	☑ Yes	☐ No		1.
Chain of Custody Relinquished?	☑ Yes	☐ No		2.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	3.
Samples Arrived within Hold Time?	☑ Yes	☐ No		4.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No		5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E coli ☐ BOD/cBOD ☐ Hex Chrome ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other_____
Rush Turn Around Time Requested?	☐ Yes	☑ No		6.
Sufficient Sample Volume?	☑ Yes	☐ No		
Triple Volume Provided for MS/MSD (if more than 10 samples)?	☐ Yes	☐ No	☑ N/A	7.
Correct Containers Used?	☑ Yes	☐ No		8.
-Pace Containers Used?	☑ Yes	☐ No		
Containers Intact?	☑ Yes	☐ No		9.
Field Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Is sufficient information available to reconcile the samples to the COC?	☑ Yes	☐ No		11. If no, write ID/ Date/Time on Container Below: See Exception ☐ ENV-FRM-MIN4-0142
Matrix: ☐ Water ☑ Soil ☐ Oil ☐ Other_____				
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☑ N/A	12. Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☐ Yes	☐ No	☑ N/A	☐ NaOH ☐ HNO_3 ☐ H_2SO_4 ☐ Zinc Acetate
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS *If adding preservative to a container it must be added to associated field and equipment blanks (verify with PM first)	☐ Yes	☐ No	☑ N/A	Positive for Res. Chlorine? ☐ Yes ☐ No pH Paper Lot# See Exception ☐ ENV-FRM-MIN4-0142
				Res. Chlorine | 0-6 Roll | 0-6 Strip | 0-14 Strip
Extra labels present on soil VOA or WIDRO containers?	☐ Yes	☐ No	☑ N/A	13. See Exception ☐ ENV-FRM-MIN4-0140
Headspace in VOA Vials (greater than 6mm)?	☐ Yes	☐ No	☑ N/A	
3 Trip Blanks Present?	☐ Yes	☐ No	☑ N/A	14.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	Pace Trip Blank Lot # (if purchased): _____

Temp Log: Temp must be maintained at <6°C during login, record temp every 20 mins

Opened Time: 10:50	Temp: 11.0	Corrected Temp: 11.0	
Time: 11:10	put in cooler		
Time:	Temp:	Corrected Temp:	

CLIENT NOTIFICATION/RESOLUTION Field Data Required? ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: _____ Date: 5/2/22

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers)

Labeled by: EDK

Internal Transfer Chain of Custody

Pace Analytical®
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: WA
Cert. Needed: [x] Yes ☐ No

Workorder: 10606565 **Workorder Name:** D3593500

Owner Received Date: 5/2/2022 Results Requested By: 5/23/2022

Report To	Subcontract To
Kongmeng Vang Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone (612)607-1700	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

JGFU

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved						Requested Analysis: 8270 SVOC - Pace National	Sulfides SW9030 - Pace National											LAB USE ONLY
1	BNSF-SG11-042822-0-5	PS	4/28/2022 08:05	10606565001	Solid	2						X	X											01
2	BNSF-E380-042822-0-4	PS	4/28/2022 08:35	10606565002	Solid	2						X	X											02
3	BNSF-E320-042822-0-4	PS	4/28/2022 09:05	10606565003	Solid	2						X	X											03
4	BNSF-D160-042822-0-5	PS	4/28/2022 09:50	10606565004	Solid	2						X	X											04
5	BNSF-E460-042922-0-4	PS	4/29/2022 08:50	10606565005	Solid	2						X	X											05
6	BNSF-H360-042922-0-8	PS	4/29/2022 09:25	10606565006	Solid	2						X	X											06

2148822

Transfers	Released By	Date/Time	Received By	Date/Time
1	CSM/pace	5.2.22 15:55		5/3/22 0930
2				
3				

Comments

Cooler Temperature on Receipt _____ °C | **Custody Seal** Y or N | **Received on Ice** Y or N | **Samples Intact** Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

5466 8884 5tw

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RAD Screen <0.5 mR/hr:	Y N		

DRA7
3.0+0=3.0

8270 SVOC List

Semi-volatile Organic Compounds and Polycy
3&4-Methylphenol
Benzoic acid
Bis(2-ethylhexyl) phthalate
Carbazole
Dibenzofuran
Di-n-butyl phthalate
Di-n-octyl phthalate
Pentachlorophenol
Phenol
1-Methylnaphthalene
2-Methylnaphthalene
Acenaphthene
Acenaphthylene
Anthracene
Benz(a)anthracene
Benzo(a)pyrene
Benzo(ghi)perylene
Chrysene
Dibenz(ah)anthracene
Fluoranthene
Fluorene
Indeno(123-cd)pyrene
Naphthalene
Phenanthrene
Pyrene
Benzo(b)fluoranthene
Benzo(k)fluoranthene

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-113469-1
Client Project/Site: D3593500 10606565
Revision: 1

For:
Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, Minnesota 55414

Attn: Kongmeng Vang

Authorized for release by:
6/3/2022 6:00:35 PM

Pauline Matlock, Project Manager
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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606565

Job ID: 580-113469-1

Job ID: 580-113469-1

Laboratory: Eurofins Seattle

Narrative

Job Narrative
580-113469-1

Comments
No additional comments.

Receipt
The samples were received on 5/5/2022 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.3º C.

Receipt Exceptions
The following sample was not received: BNSF-E320-042822-0-4 (580-113469-3). Incidentally, another job from this client was received which has three samples listed on the chain of custody with one container for each sample but two containers were received for one of the samples. Client has said they will submit another container for sample #3 at a later date.

General Chemistry
Method 350.1 The method blank for analytical batch 580-391448 contained Ammonia above the method detection limit. This target analyte concentration was less than half of the reporting limit (1/2RL); therefore re-extraction and re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 580-114139-1

Laboratory: Eurofins Seattle

Narrative

Job Narrative
580-114139-1

Comments
This sample was meant to be sample #3 on job 580-113469. The two reports have been merged together.

Receipt
The sample was received on 5/25/2022 9:30 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.8º C.

Receipt Exceptions
The following sample was received outside of holding time for both analyses requested. BNSF-E320-042822-0-4 (580-114139-1).

General Chemistry
Method 350.1: The following sample was received the day before holding time expired for this method. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: BNSF-E320-042822-0-4 (580-114139-1).

Method 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batches 580-392045 and 580-392084 and analytical batch 580-392085 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 9060A: The following sample was received the day before holding time expired for this method.. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: BNSF-E320-042822-0-4 (580-114139-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606565

Job ID: 580-113469-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Client Sample Results

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606565

Job ID: 580-113469-1

Client Sample ID: BNSF-SG11-042822-0-5
Date Collected: 04/28/22 08:05
Date Received: 05/05/22 09:45

Lab Sample ID: 580-113469-1
Matrix: Solid
Percent Solids: 70.1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	4000		3000	100	mg/Kg	☼		05/10/22 18:18	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	70.1		0.1	0.1	%			05/18/22 15:50	1
Percent Moisture	29.9		0.1	0.1	%			05/18/22 15:50	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	20	J B	40	10	mg/Kg	☼	05/21/22 22:51	05/21/22 23:10	1

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606565

Job ID: 580-113469-1

Client Sample ID: BNSF-E380-042822-0-4
Date Collected: 04/28/22 08:35
Date Received: 05/05/22 09:45

Lab Sample ID: 580-113469-2
Matrix: Solid
Percent Solids: 66.1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	3000		3000	100	mg/Kg	☼		05/10/22 18:22	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	66.1		0.1	0.1	%			05/18/22 15:50	1
Percent Moisture	33.9		0.1	0.1	%			05/18/22 15:50	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	20	J B	40	10	mg/Kg	☼	05/21/22 22:51	05/21/22 23:10	1

Client Sample Results

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606565

Job ID: 580-113469-1

Client Sample ID: BNSF-D160-042822-0-5
Date Collected: 04/28/22 09:50
Date Received: 05/05/22 09:45

Lab Sample ID: 580-113469-4
Matrix: Solid
Percent Solids: 72.5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	8000		3000	100	mg/Kg	☼		05/10/22 18:27	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	72.5		0.1	0.1	%			05/18/22 15:50	1
Percent Moisture	27.5		0.1	0.1	%			05/18/22 15:50	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	20	J B	30	10	mg/Kg	☼	05/21/22 22:51	05/21/22 23:10	1

Client Sample Results

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606565

Job ID: 580-113469-1

Client Sample ID: BNSF-E460-042922-0-4
Date Collected: 04/29/22 08:50
Date Received: 05/05/22 09:45

Lab Sample ID: 580-113469-5
Matrix: Solid
Percent Solids: 63.2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	7000		3000	200	mg/Kg	☼		05/10/22 18:31	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	63.2		0.1	0.1	%			05/18/22 15:50	1
Percent Moisture	36.8		0.1	0.1	%			05/18/22 15:50	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	30	J B	40	10	mg/Kg	☼	05/21/22 22:51	05/21/22 23:10	1

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606565

Job ID: 580-113469-1

Client Sample ID: BNSF-H360-042922-0-8
Date Collected: 04/29/22 09:25
Date Received: 05/05/22 09:45

Lab Sample ID: 580-113469-6
Matrix: Solid
Percent Solids: 68.7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	20000		3000	100	mg/Kg	☼		05/10/22 18:35	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	68.7		0.1	0.1	%			05/18/22 15:50	1
Percent Moisture	31.3		0.1	0.1	%			05/18/22 15:50	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	20	J B	40	10	mg/Kg	☼	05/21/22 22:51	05/21/22 23:10	1

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606565

Job ID: 580-113469-1

Client Sample ID: BNSF-E320-042822-0-4
Date Collected: 04/28/22 09:05
Date Received: 05/25/22 09:30

Lab Sample ID: 580-114139-1
Matrix: Solid
Percent Solids: 72.9

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	15000	H	2700	130	mg/Kg	☼		06/03/22 14:32	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	72.9		0.1	0.1	%			05/27/22 14:07	1
Percent Moisture	27.1		0.1	0.1	%			05/27/22 14:07	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	17	J H F1	34	12	mg/Kg	☼	05/26/22 23:59	05/27/22 00:05	1

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 580-391244/1-B
Matrix: Solid
Analysis Batch: 391448

Client Sample ID: Method Blank
Prep Type: Soluble
Prep Batch: 391445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	9.0	J	30	9	mg/Kg		05/21/22 22:51	05/21/22 23:10	1

Lab Sample ID: LCS 580-391244/2-B
Matrix: Solid
Analysis Batch: 391448

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 391445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	50.0	50		mg/Kg		100	90 - 110

Lab Sample ID: MB 580-392045/1-B
Matrix: Solid
Analysis Batch: 392085

Client Sample ID: Method Blank
Prep Type: Soluble
Prep Batch: 392084

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		25	8.8	mg/Kg		05/26/22 23:59	05/27/22 00:05	1

Lab Sample ID: LCS 580-392045/2-B
Matrix: Solid
Analysis Batch: 392085

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 392084

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	50.0	45.8		mg/Kg		92	90 - 110

Lab Sample ID: 580-114139-1 MS
Matrix: Solid
Analysis Batch: 392085

Client Sample ID: BNSF-E320-042822-0-4
Prep Type: Soluble
Prep Batch: 392084

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	17	J H F1	68.3	62.1	F1	mg/Kg	☼	66	90 - 110

Lab Sample ID: 580-114139-1 MSD
Matrix: Solid
Analysis Batch: 392085

Client Sample ID: BNSF-E320-042822-0-4
Prep Type: Soluble
Prep Batch: 392084

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia as N	17	J H F1	67.9	61.8	F1	mg/Kg	☼	66	90 - 110	1	20

Lab Sample ID: 580-114139-1 DU
Matrix: Solid
Analysis Batch: 392085

Client Sample ID: BNSF-E320-042822-0-4
Prep Type: Soluble
Prep Batch: 392084

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia as N	17	J H F1	16.0	J	mg/Kg	☼	5	20

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-390261/5
Matrix: Solid
Analysis Batch: 390261

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	ND		2000	100	mg/Kg			05/10/22 17:35	1

Lab Sample ID: LCS 580-390261/6
Matrix: Solid
Analysis Batch: 390261

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Duplicates	120000	110000		mg/Kg		95	80 - 120

Lab Sample ID: LCSD 580-390261/7
Matrix: Solid
Analysis Batch: 390261

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates	120000	110000		mg/Kg		95	80 - 120	0	20

Lab Sample ID: MB 580-392787/5
Matrix: Solid
Analysis Batch: 392787

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	ND		2000	97	mg/Kg			06/03/22 14:24	1

Lab Sample ID: LCS 580-392787/6
Matrix: Solid
Analysis Batch: 392787

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Duplicates	120000	112000		mg/Kg		93	80 - 120

Lab Sample ID: LCSD 580-392787/7
Matrix: Solid
Analysis Batch: 392787

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates	120000	112000		mg/Kg		94	80 - 120	0	20

Lab Sample ID: 580-114139-1 MS
Matrix: Solid
Analysis Batch: 392787

Client Sample ID: BNSF-E320-042822-0-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Duplicates	15000	H	165000	179000		mg/Kg	☼	99	75 - 125

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: 580-114139-1 MSD
Matrix: Solid
Analysis Batch: 392787

Client Sample ID: BNSF-E320-042822-0-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates	15000	H	165000	173000		mg/Kg	☼	96	75 - 125	3	20

Lab Sample ID: 580-114139-1 DU
Matrix: Solid
Analysis Batch: 392787

Client Sample ID: BNSF-E320-042822-0-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon - Duplicates	15000	H		16100		mg/Kg	☼			6	20

Client Sample ID: BNSF-SG11-042822-0-5 — **Lab Sample ID: 580-113469-1**
Date Collected: 04/28/22 08:05 — **Matrix: Solid**
Date Received: 05/05/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	391086	05/18/22 15:50	JSM	FGS SEA

Client Sample ID: BNSF-SG11-042822-0-5 — **Lab Sample ID: 580-113469-1**
Date Collected: 04/28/22 08:05 — **Matrix: Solid**
Date Received: 05/05/22 09:45 — **Percent Solids: 70.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			391244	05/19/22 17:34	MLT	FGS SEA
Soluble	Prep	Distill/Ammonia			391445	05/21/22 22:51	MLT	FGS SEA
Soluble	Analysis	350.1		1	391448	05/21/22 23:10	MLT	FGS SEA
Total/NA	Analysis	9060A		1	390261	05/10/22 18:18	N1R	FGS SEA

Client Sample ID: BNSF-E380-042822-0-4 — **Lab Sample ID: 580-113469-2**
Date Collected: 04/28/22 08:35 — **Matrix: Solid**
Date Received: 05/05/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	391086	05/18/22 15:50	JSM	FGS SEA

Client Sample ID: BNSF-E380-042822-0-4 — **Lab Sample ID: 580-113469-2**
Date Collected: 04/28/22 08:35 — **Matrix: Solid**
Date Received: 05/05/22 09:45 — **Percent Solids: 66.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			391244	05/19/22 17:34	MLT	FGS SEA
Soluble	Prep	Distill/Ammonia			391445	05/21/22 22:51	MLT	FGS SEA
Soluble	Analysis	350.1		1	391448	05/21/22 23:10	MLT	FGS SEA
Total/NA	Analysis	9060A		1	390261	05/10/22 18:22	N1R	FGS SEA

Client Sample ID: BNSF-D160-042822-0-5 — **Lab Sample ID: 580-113469-4**
Date Collected: 04/28/22 09:50 — **Matrix: Solid**
Date Received: 05/05/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	391086	05/18/22 15:50	JSM	FGS SEA

Client Sample ID: BNSF-D160-042822-0-5 — **Lab Sample ID: 580-113469-4**
Date Collected: 04/28/22 09:50 — **Matrix: Solid**
Date Received: 05/05/22 09:45 — **Percent Solids: 72.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			391244	05/19/22 17:34	MLT	FGS SEA
Soluble	Prep	Distill/Ammonia			391445	05/21/22 22:51	MLT	FGS SEA
Soluble	Analysis	350.1		1	391448	05/21/22 23:10	MLT	FGS SEA
Total/NA	Analysis	9060A		1	390261	05/10/22 18:27	N1R	FGS SEA

Client Sample ID: BNSF-E460-042922-0-4 — **Lab Sample ID: 580-113469-5**
Date Collected: 04/29/22 08:50 — **Matrix: Solid**
Date Received: 05/05/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	391086	05/18/22 15:50	JSM	FGS SEA

Client Sample ID: BNSF-E460-042922-0-4 — **Lab Sample ID: 580-113469-5**
Date Collected: 04/29/22 08:50 — **Matrix: Solid**
Date Received: 05/05/22 09:45 — **Percent Solids: 63.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			391244	05/19/22 17:34	MLT	FGS SEA
Soluble	Prep	Distill/Ammonia			391445	05/21/22 22:51	MLT	FGS SEA
Soluble	Analysis	350.1		1	391448	05/21/22 23:10	MLT	FGS SEA
Total/NA	Analysis	9060A		1	390261	05/10/22 18:31	N1R	FGS SEA

Client Sample ID: BNSF-H360-042922-0-8 — **Lab Sample ID: 580-113469-6**
Date Collected: 04/29/22 09:25 — **Matrix: Solid**
Date Received: 05/05/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	391086	05/18/22 15:50	JSM	FGS SEA

Client Sample ID: BNSF-H360-042922-0-8 — **Lab Sample ID: 580-113469-6**
Date Collected: 04/29/22 09:25 — **Matrix: Solid**
Date Received: 05/05/22 09:45 — **Percent Solids: 68.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			391244	05/19/22 17:34	MLT	FGS SEA
Soluble	Prep	Distill/Ammonia			391445	05/21/22 22:51	MLT	FGS SEA
Soluble	Analysis	350.1		1	391448	05/21/22 23:10	MLT	FGS SEA
Total/NA	Analysis	9060A		1	390261	05/10/22 18:35	N1R	FGS SEA

Client Sample ID: BNSF-E320-042822-0-4 — **Lab Sample ID: 580-114139-1**
Date Collected: 04/28/22 09:05 — **Matrix: Solid**
Date Received: 05/25/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	392121	05/27/22 14:07	TMH	FGS SEA

Client Sample ID: BNSF-E320-042822-0-4 — **Lab Sample ID: 580-114139-1**
Date Collected: 04/28/22 09:05 — **Matrix: Solid**
Date Received: 05/25/22 09:30 — **Percent Solids: 72.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			392045	05/26/22 16:51	MLT	FGS SEA
Soluble	Prep	Distill/Ammonia			392084	05/26/22 23:59	MLT	FGS SEA
Soluble	Analysis	350.1		1	392085	05/27/22 00:05	MLT	FGS SEA
Total/NA	Analysis	9060A		1	392787	06/03/22 14:32	FCG	FGS SEA

Lab Chronicle

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606565

Job ID: 580-113469-1

Laboratory References:

FGS SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606565

Job ID: 580-113469-1

Laboratory: Eurofins Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4167	07-07-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Solids

Sample Summary

Client: Pace Analytical Services, LLC
Project/Site: D3593500 10606565

Job ID: 580-113469-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-113469-1	BNSF-SG11-042822-0-5	Solid	04/28/22 08:05	05/05/22 09:45
580-113469-2	BNSF-E380-042822-0-4	Solid	04/28/22 08:35	05/05/22 09:45
580-113469-4	BNSF-D160-042822-0-5	Solid	04/28/22 09:50	05/05/22 09:45
580-113469-5	BNSF-E460-042922-0-4	Solid	04/29/22 08:50	05/05/22 09:45
580-113469-6	BNSF-H360-042922-0-8	Solid	04/29/22 09:25	05/05/22 09:45
580-114139-1	BNSF-E320-042822-0-4	Solid	04/28/22 09:05	05/25/22 09:30

Chain of Custody

PASI Minnesota Laboratory

Pace Analytical®
www.pacelabs.com

Workorder: 10606565 **Workorder Name:** D3593500 **Results Requested By:** 5/23/2022

Report / Invoice To	Subcontract To	Requested Analysis
Kongmeng Vang Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone (612)607-1700 Email: kongmeng.vang@pacelabs.com	Eurofins Frontier Global Sciences 5755 8th Street East Tacoma, WA 98424 P.O. _____	113469

State of Sample Origin: WA

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	350.1 Ammonia - Eurofins	SW9060A TOC - Eurofins	LAB USE ONLY
1	BNSF-SG11-042822-0-5	4/28/2022 08:05	10606565001	Solid		X	X	
2	BNSF-E380-042822-0-4	4/28/2022 08:35	10606565002	Solid		X	X	
3	BNSF-E320-042822-0-4	4/28/2022 09:05	10606565003	Solid		X	X	
4	BNSF-D160-042822-0-5	4/28/2022 09:50	10606565004	Solid		X	X	
5	BNSF-E460-042922-0-4	4/29/2022 08:50	10606565005	Solid		X	X	
6	BNSF-H360-042922-0-8	4/29/2022 09:25	10606565006	Solid		X	X	

Transfers	Released By	Date/Time	Received By	Date/Time
1	[signature] PACE	5/4/22 1610	[signature]	5/5/22 0945
2				
3				

Comments

Lvl 4 data package
Jacobs UPRR EQ EDD
Report to MDL, non-detects as ND

Cooler Temperature on Receipt _____ °C | **Custody Seal** Y or N | **Received on Ice** Y or N | **Samples Intact** Y or N

FedPo
MedRad/wet/bub
IR9 1.3/1.7 w/cs

580-113469 Chain of Custody

Login Sample Receipt Checklist

Client: Pace Analytical Services, LLC

Job Number: 580-113469-1
SDG Number:

Login Number: 113469
List Number: 1
Creator: Blankinship, Tom X

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Pace Analytical
1673 Terra Avenue Sheridan, WY 82801 ph: (307) 672-8945

Date: 5/20/2022

CLIENT: Pace Analytical - Minneapolis
Project: 10606565 D3593500
Lab Order: S2205101

CASE NARRATIVE

Report ID: S2205101001

Entire Report Reviewed by: John M. Jacobs
John Jacobs, Project Manager

Samples BNSF-D160-042822-0-5, BNSF-E320-042822-0-4, BNSF-E380-042822-0-4, BNSF-E460-042922-0-4, BNSF-H360-042922-0-8 and BNSF-SG11-042822-0-5 were received on May 4, 2022.

All samples were received and analyzed within recommended holding times, except those noted below in this case narrative. Samples were analyzed using methods outlined in the following references:

Standard Methods for the Examination of Water and Wastewater, approved method versions
EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, online versions
EPA methods 40 CFR Parts 136 and 141EPA 600/2-78-054 methods
NDEP Mining Methods
40 CFR Part 50, Appendices B, J, L, O and FEM EQL-0310-189
IO Compendium Methods
Clean Water Act Methods Update Rule for the Analysis of Effluent, current version.
ASTM approved and recognized standards
ISO approved and recognized standards
USDA Handbook 60
Soil Survey Laboratory Manual Ver 4.0
ASA/SSSA 9 Methods of Analysis Part 2, 1982
ASA/SSSA Methods of Analysis Book 5 Part 3, 1996
Other industry approved methods

All Quality Control parameters met the acceptance criteria defined by EPA and Pace Analytical except as indicated in this case narrative:

Date: 5/20/2022

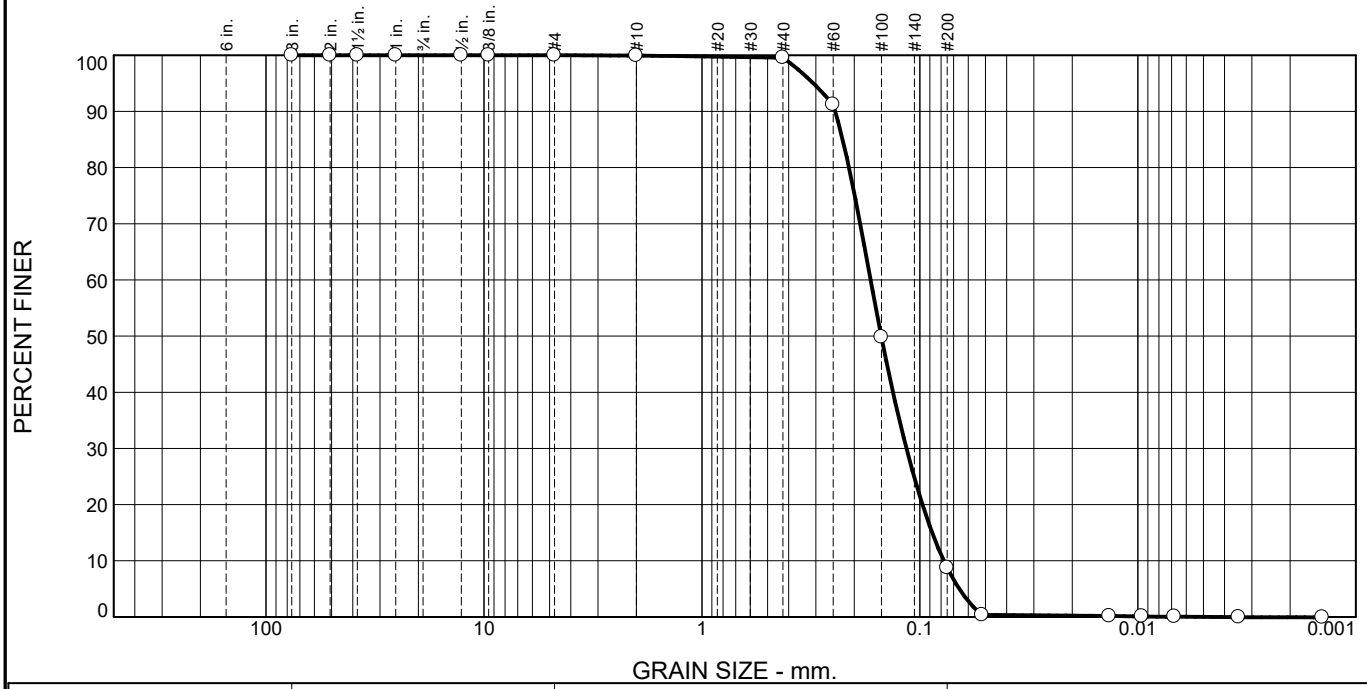
Definitions

RL	Reporting Limit

Qualifiers

*	Value exceeds Maximum Contaminant Level
A	Check MSA specifications
B	Analyte detected in the associated Method Blank
C	Calculated Value
D	Report limit raised due to dilution
E	Value above quantitation range
G	Analyzed at Pace Gillette, WY laboratory
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
L	Analyzed by another laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL
ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits
U	Analyte below method detection limit
X	Matrix Effect

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.1	0.3	90.8	8.8	0.0

TEST RESULTS (ASTM D 422)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
3"	100.0		
2"	100.0		
1.5"	100.0		
1"	100.0		
0.5"	100.0		
0.375	100.0		
#4	100.0		
#10	99.9		
#40	99.6		
#60	91.2		
#100	49.8		
#200	8.8		
0.0519 mm.	0.4		
0.0135 mm.	0.2		
0.0096 mm.	0.1		
0.0068 mm.	0.0		
0.0034 mm.			
0.0014 mm.			

* (no specification provided)

Material Description

poorly graded sand with silt

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=**

Classification

USCS (D 2487)= SP-SM **AASHTO (M 145)=** A-3

Coefficients

D_{90}= 0.2445 D_{85}= 0.2261 D_{60}= 0.1683
D_{50}= 0.1504 D_{30}= 0.1153 D_{15}= 0.0879
D_{10}= 0.0777 C_u= 2.17 C_c= 1.02

Remarks

SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)

Date Received: 5/4/2022 **Date Tested:** 5/18/2022

Tested By: Steve Holzerland

Checked By: John Jacobs

Title: Project Manager 2

Location: BNSF-SG11-042822-0-5
Sample Number: S2205101-001A

Date Sampled: 4/28/2022

Pace Analytical Services, Inc.

Sheridan, Wyoming

Client: Pace Analytical-Minneapolis
Project: 10606565 D3593500

Project No: S2205101 **Figure**

GRAIN SIZE DISTRIBUTION TEST DATA

5/18/2022

Client: Pace Analytical-Minneapolis
Project: 10606565 D3593500
Project Number: S2205101
Location: BNSF-SG11-042822-0-5
Sample Number: S2205101-001A
Material Description: poorly graded sand with silt
Sample Date: 4/28/2022 8:05
Date Received: 5/4/2022 **PL:** NP **LL:** NV
USCS Classification: SP-SM **AASHTO Classification:** A-3
Grain Size Test Method: ASTM D 422
Testing Remarks: SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)
Tested By: Steve Holzerland **Test Date:** 5/18/2022
Checked By: John Jacobs **Title:** Project Manager 2

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
137.12	0.00	3"	0.00	0.00	100.0
		2"	0.00	0.00	100.0
		1.5"	0.00	0.00	100.0
		1"	0.00	0.00	100.0
		0.5"	0.00	0.00	100.0
		0.375	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.10	0.00	99.9
70.41	0.00	#40	0.26	0.00	99.6
		#60	5.88	0.00	91.2
		#100	29.18	0.00	49.8
		#200	28.92	0.00	8.8

Pace Analytical Services, Inc.

Hydrometer Test Data

Hydrometer test uses material passing #200
Percent passing #200 based upon complete sample = 8.8
Weight of hydrometer sample =70.41
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = -6.33
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 152H
Hydrometer effective depth equation: L = 16.294964 **-** 0.164 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
1.00	21.0	9.0	2.8	0.0135	9.0	14.8	0.0519	0.4
15.00	21.0	7.5	1.3	0.0135	7.5	15.1	0.0135	0.2
30.00	21.0	7.0	0.8	0.0135	7.0	15.1	0.0096	0.1
60.00	21.0	6.5	0.3	0.0135	6.5	15.2	0.0068	0.0
240.00	20.0	6.0	-0.4	0.0136	6.0	15.3	0.0034	0.0
1440.00	19.0	6.0	-0.6	0.0138	6.0	15.3	0.0014	-0.1

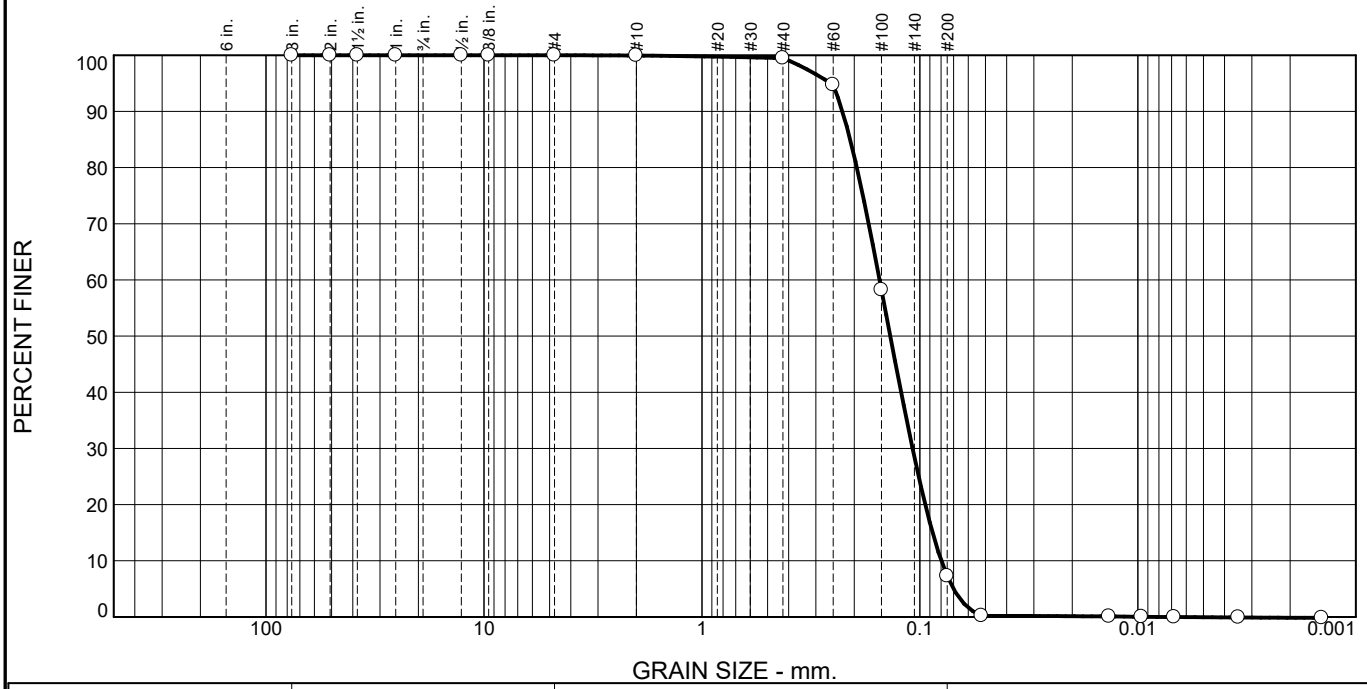
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.1	0.3	90.8	91.2	8.8	0.0	8.8

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.0661	0.0777	0.0879	0.0973	0.1153	0.1329	0.1504	0.1683	0.2115	0.2261	0.2445	0.3081

Fineness Modulus	C_u	C_c
0.56	2.17	1.02

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.1	0.4	92.2	7.3	

TEST RESULTS (ASTM D 422)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
3"	100.0		
2"	100.0		
1.5"	100.0		
1"	100.0		
0.5"	100.0		
0.375	100.0		
#4	100.0		
#10	99.9		
#40	99.5		
#60	94.7		
#100	58.2		
#200	7.3		
0.0522 mm.	0.2		
0.0135 mm.	0.1		
0.0096 mm.	0.0		
0.0068 mm.			
0.0035 mm.			
0.0014 mm.			

* (no specification provided)

Material Description

poorly graded sand with silt

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=**

Classification

USCS (D 2487)= SP-SM **AASHTO (M 145)=** A-3

Coefficients

D_{90}= 0.2266 D_{85}= 0.2089 D_{60}= 0.1530
D_{50}= 0.1367 D_{30}= 0.1081 D_{15}= 0.0874
D_{10}= 0.0798 C_u= 1.92 C_c= 0.96

Remarks

SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)

Date Received: 5/4/2022 **Date Tested:** 5/18/2022

Tested By: Steve Holzerland

Checked By: John Jacobs

Title: Project Manager 2

Location: BNSF-E380-042822-0-4
Sample Number: S2205101-002A

Date Sampled: 4/28/2022

Pace Analytical Services, Inc.

Sheridan, Wyoming

Client: Pace Analytical-Minneapolis
Project: 10606565 D3593500

Project No: S2205101 **Figure**

GRAIN SIZE DISTRIBUTION TEST DATA

5/18/2022

Client: Pace Analytical-Minneapolis
Project: 10606565 D3593500
Project Number: S2205101
Location: BNSF-E380-042822-0-4
Sample Number: S2205101-002A
Material Description: poorly graded sand with silt
Sample Date: 4/28/2022 8:35
Date Received: 5/4/2022 **PL:** NP **LL:** NV
USCS Classification: SP-SM **AASHTO Classification:** A-3
Grain Size Test Method: ASTM D 422
Testing Remarks: SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)
Tested By: Steve Holzerland **Test Date:** 5/18/2022
Checked By: John Jacobs **Title:** Project Manager 2

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
138.03	0.00	3"	0.00	0.00	100.0
		2"	0.00	0.00	100.0
		1.5"	0.00	0.00	100.0
		1"	0.00	0.00	100.0
		0.5"	0.00	0.00	100.0
		0.375	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.07	0.00	99.9
70.14	0.00	#40	0.33	0.00	99.5
		#60	3.34	0.00	94.7
		#100	25.60	0.00	58.2
		#200	35.75	0.00	7.3

Pace Analytical Services, Inc.

Hydrometer Test Data

Hydrometer test uses material passing #200
Percent passing #200 based upon complete sample = 7.3
Weight of hydrometer sample =70.14
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = -6.33
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 152H
Hydrometer effective depth equation: L = 16.294964 **-** 0.164 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
1.00	21.0	8.0	1.8	0.0135	8.0	15.0	0.0522	0.2
15.00	21.0	7.0	0.8	0.0135	7.0	15.1	0.0135	0.1
30.00	21.0	6.5	0.3	0.0135	6.5	15.2	0.0096	0.0
60.00	21.0	6.0	-0.2	0.0135	6.0	15.3	0.0068	0.0
240.00	20.0	5.5	-0.9	0.0136	5.5	15.4	0.0035	-0.1
1440.00	19.0	5.0	-1.6	0.0138	5.0	15.5	0.0014	-0.2

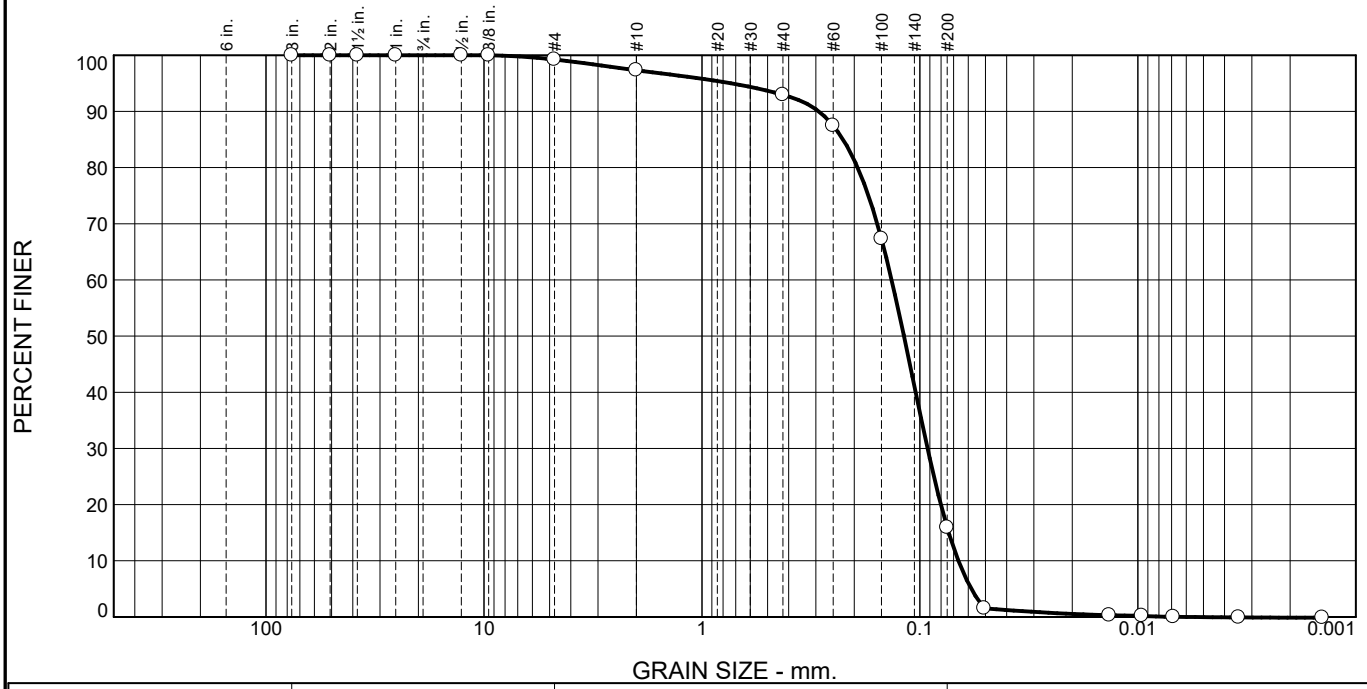
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.1	0.4	92.2	92.7			7.3

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.0702	0.0798	0.0874	0.0945	0.1081	0.1219	0.1367	0.1530	0.1947	0.2089	0.2266	0.2564

Fineness Modulus	C_u	C_c
0.46	1.92	0.96

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.8	1.9	4.3	77.1	15.9	

TEST RESULTS (ASTM D 422)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
3"	100.0		
2"	100.0		
1.5"	100.0		
1"	100.0		
0.5"	100.0		
0.375	100.0		
#4	99.2		
#10	97.3		
#40	93.0		
#60	87.5		
#100	67.3		
#200	15.9		
0.0507 mm.	1.5		
0.0135 mm.	0.3		
0.0096 mm.	0.2		
0.0069 mm.	0.0		
0.0034 mm.			
0.0014 mm.			

* (no specification provided)

Material Description

silty sand

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=**

Classification

USCS (D 2487)= SM **AASHTO (M 145)=** A-2-4(0)

Coefficients

D_{90}= 0.2911 D_{85}= 0.2252 D_{60}= 0.1348
D_{50}= 0.1184 D_{30}= 0.0922 D_{15}= 0.0738
D_{10}= 0.0666 C_u= 2.02 C_c= 0.95

Remarks

SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)

Date Received: 5/4/2022 **Date Tested:** 5/18/2022

Tested By: Steve Holzerland

Checked By: John Jacobs

Title: Project Manager 2

Location: BNSF-E320-042822-0-4
Sample Number: S2205101-003A

Date Sampled: 4/28/2022

Pace Analytical Services, Inc.

Sheridan, Wyoming

Client: Pace Analytical-Minneapolis
Project: 10606565 D3593500

Project No: S2205101 **Figure**

GRAIN SIZE DISTRIBUTION TEST DATA

5/18/2022

Client: Pace Analytical-Minneapolis
Project: 10606565 D3593500
Project Number: S2205101
Location: BNSF-E320-042822-0-4
Sample Number: S2205101-003A
Material Description: silty sand
Sample Date: 4/28/2022 9:05
Date Received: 5/4/2022 **PL:** NP **LL:** NV
USCS Classification: SM **AASHTO Classification:** A-2-4(0)
Grain Size Test Method: ASTM D 422
Testing Remarks: SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)
Tested By: Steve Holzerland **Test Date:** 5/18/2022
Checked By: John Jacobs **Title:** Project Manager 2

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
128.00	0.00	3"	0.00	0.00	100.0
		2"	0.00	0.00	100.0
		1.5"	0.00	0.00	100.0
		1"	0.00	0.00	100.0
		0.5"	0.00	0.00	100.0
		0.375	0.00	0.00	100.0
		#4	0.98	0.00	99.2
		#10	2.44	0.00	97.3
70.48	0.00	#40	3.17	0.00	93.0
		#60	3.97	0.00	87.5
		#100	14.59	0.00	67.3
		#200	37.21	0.00	15.9

Pace Analytical Services, Inc.

Hydrometer Test Data

Hydrometer test uses material passing #200
Percent passing #200 based upon complete sample = 15.9
Weight of hydrometer sample =70.48
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = -6.33
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 152H
Hydrometer effective depth equation: L = 16.294964 **-** 0.164 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
1.00	21.0	13.0	6.8	0.0135	13.0	14.2	0.0507	1.5
15.00	21.0	7.5	1.3	0.0135	7.5	15.1	0.0135	0.3
30.00	21.0	7.0	0.8	0.0135	7.0	15.1	0.0096	0.2
60.00	20.0	6.5	0.1	0.0136	6.5	15.2	0.0069	0.0
240.00	20.0	6.0	-0.4	0.0136	6.0	15.3	0.0034	-0.1
1440.00	19.0	6.0	-0.6	0.0138	6.0	15.3	0.0014	-0.1

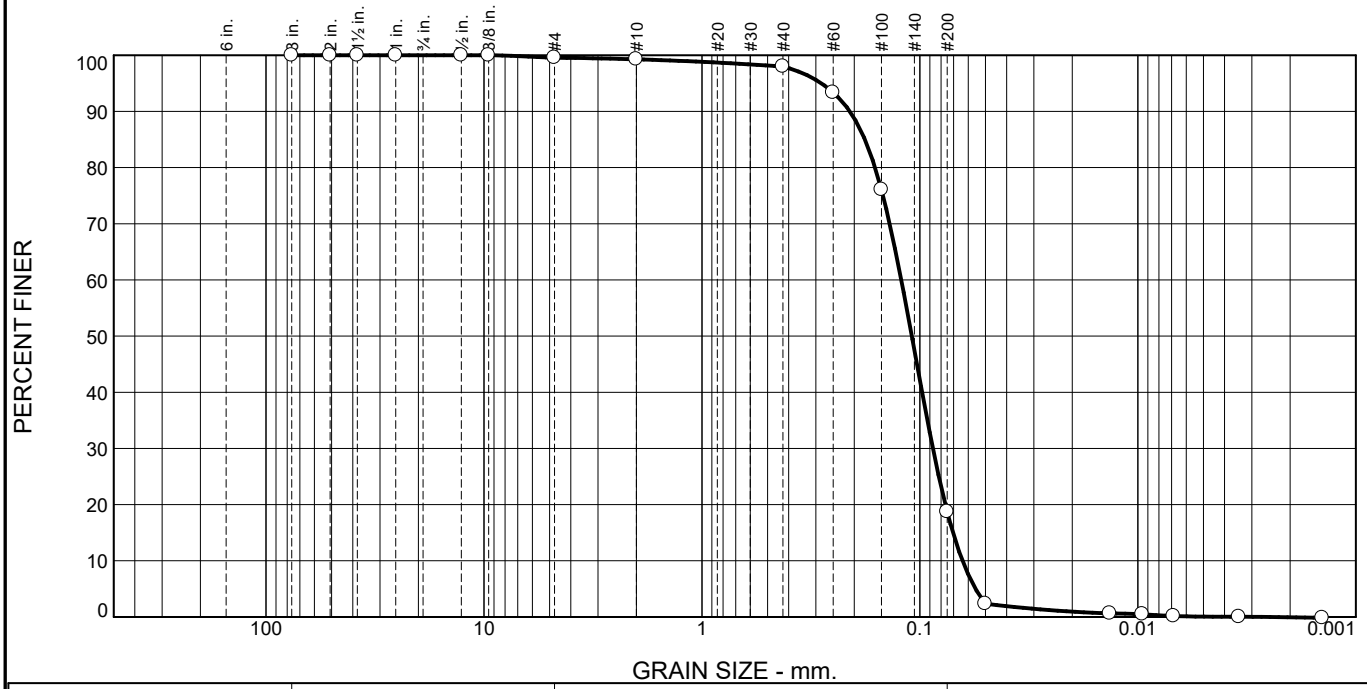
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.8	0.8	1.9	4.3	77.1	83.3			15.9

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.0581	0.0666	0.0738	0.0801	0.0922	0.1046	0.1184	0.1348	0.1930	0.2252	0.2911	0.7332

Fineness Modulus	C_u	C_c
0.55	2.02	0.95

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.4	0.3	1.3	79.3	18.6	0.1

TEST RESULTS (ASTM D 422)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
3"	100.0		
2"	100.0		
1.5"	100.0		
1"	100.0		
0.5"	100.0		
0.375	100.0		
#4	99.6		
#10	99.3		
#40	98.0		
#60	93.4		
#100	76.1		
#200	18.7		
0.0501 mm.	2.4		
0.0134 mm.	0.6		
0.0095 mm.	0.5		
0.0069 mm.	0.2		
0.0034 mm.	0.0		
0.0014 mm.			

* (no specification provided)

Material Description

silty sand

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=**

Classification

USCS (D 2487)= SM **AASHTO (M 145)=** A-2-4(0)

Coefficients

D_{90}= 0.2096 D_{85}= 0.1788 D_{60}= 0.1218
D_{50}= 0.1090 D_{30}= 0.0871 D_{15}= 0.0705
D_{10}= 0.0638 C_u= 1.91 C_c= 0.98

Remarks

SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)

Date Received: 5/4/2022 **Date Tested:** 5/18/2022

Tested By: Steve Holzerland

Checked By: John Jacobs

Title: Project Manager 2

Location: BNSF-D160-042822-0-5
Sample Number: S2205101-004A

Date Sampled: 4/28/2022

Pace Analytical Services, Inc.

Sheridan, Wyoming

Client: Pace Analytical-Minneapolis
Project: 10606565 D3593500

Project No: S2205101 **Figure**

GRAIN SIZE DISTRIBUTION TEST DATA

5/18/2022

Client: Pace Analytical-Minneapolis
Project: 10606565 D3593500
Project Number: S2205101
Location: BNSF-D160-042822-0-5
Sample Number: S2205101-004A
Material Description: silty sand
Sample Date: 4/28/2022 9:50
Date Received: 5/4/2022 **PL:** NP **LL:** NV
USCS Classification: SM **AASHTO Classification:** A-2-4(0)
Grain Size Test Method: ASTM D 422
Testing Remarks: SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)
Tested By: Steve Holzerland **Test Date:** 5/18/2022
Checked By: John Jacobs **Title:** Project Manager 2

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
123.18	0.00	3"	0.00	0.00	100.0
		2"	0.00	0.00	100.0
		1.5"	0.00	0.00	100.0
		1"	0.00	0.00	100.0
		0.5"	0.00	0.00	100.0
		0.375	0.00	0.00	100.0
		#4	0.55	0.00	99.6
		#10	0.34	0.00	99.3
70.44	0.00	#40	0.91	0.00	98.0
		#60	3.29	0.00	93.4
		#100	12.28	0.00	76.1
		#200	40.67	0.00	18.7

Pace Analytical Services, Inc.

Hydrometer Test Data

Hydrometer test uses material passing #200
Percent passing #200 based upon complete sample = 18.7
Weight of hydrometer sample =70.44
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = -6.33
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 152H
Hydrometer effective depth equation: L = 16.294964 **-** 0.164 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
1.00	21.0	15.0	8.8	0.0135	15.0	13.8	0.0501	2.4
15.00	21.0	8.5	2.3	0.0135	8.5	14.9	0.0134	0.6
30.00	21.0	8.0	1.8	0.0135	8.0	15.0	0.0095	0.5
60.00	20.0	7.0	0.6	0.0136	7.0	15.1	0.0069	0.2
240.00	20.0	6.5	0.1	0.0136	6.5	15.2	0.0034	0.0
1440.00	19.0	6.0	-0.6	0.0138	6.0	15.3	0.0014	-0.2

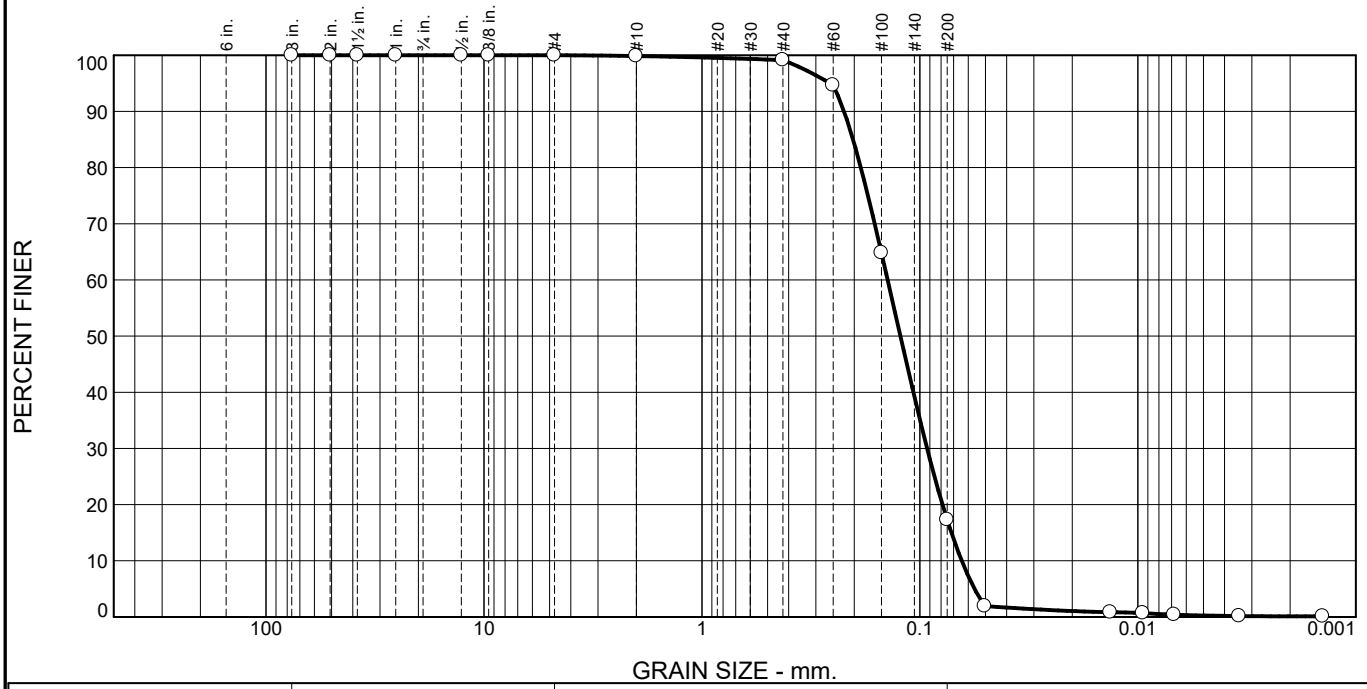
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.4	0.4	0.3	1.3	79.3	80.9	18.6	0.1	18.7

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.0555	0.0638	0.0705	0.0764	0.0871	0.0977	0.1090	0.1218	0.1605	0.1788	0.2096	0.2833

Fineness Modulus	C_u	C_c
0.32	1.91	0.98

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.1	0.8	81.8	17.0	0.3

TEST RESULTS (ASTM D 422)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
3"	100.0		
2"	100.0		
1.5"	100.0		
1"	100.0		
0.5"	100.0		
0.375	100.0		
#4	100.0		
#10	99.9		
#40	99.1		
#60	94.7		
#100	64.8		
#200	17.3		
0.0504 mm.	1.9		
0.0134 mm.	0.8		
0.0095 mm.	0.7		
0.0068 mm.	0.4		
0.0034 mm.	0.2		
0.0014 mm.	0.1		

* (no specification provided)

Material Description

silty sand

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=**

Classification

USCS (D 2487)= SM **AASHTO (M 145)=** A-2-4(0)

Coefficients

D_{90}= 0.2228 D_{85}= 0.2026 D_{60}= 0.1406
D_{50}= 0.1229 D_{30}= 0.0927 D_{15}= 0.0717
D_{10}= 0.0643 C_u= 2.19 C_c= 0.95

Remarks

SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)

Date Received: 5/4/2022 **Date Tested:** 5/18/2022

Tested By: Steve Holzerland

Checked By: John Jacobs

Title: Project Manager 2

Location: BNSF-E460-042922-0-4
Sample Number: S2205101-005A

Date Sampled: 4/29/2022

Pace Analytical Services, Inc.

Sheridan, Wyoming

Client: Pace Analytical-Minneapolis
Project: 10606565 D3593500

Project No: S2205101 **Figure**

GRAIN SIZE DISTRIBUTION TEST DATA

5/18/2022

Client: Pace Analytical-Minneapolis
Project: 10606565 D3593500
Project Number: S2205101
Location: BNSF-E460-042922-0-4
Sample Number: S2205101-005A
Material Description: silty sand
Sample Date: 4/29/2022 8:50
Date Received: 5/4/2022 **PL:** NP **LL:** NV
USCS Classification: SM **AASHTO Classification:** A-2-4(0)
Grain Size Test Method: ASTM D 422
Testing Remarks: SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)
Tested By: Steve Holzerland **Test Date:** 5/18/2022
Checked By: John Jacobs **Title:** Project Manager 2

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
117.31	0.00	3"	0.00	0.00	100.0
		2"	0.00	0.00	100.0
		1.5"	0.00	0.00	100.0
		1"	0.00	0.00	100.0
		0.5"	0.00	0.00	100.0
		0.375	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.17	0.00	99.9
70.13	0.00	#40	0.51	0.00	99.1
		#60	3.14	0.00	94.7
		#100	20.97	0.00	64.8
		#200	33.37	0.00	17.3

Pace Analytical Services, Inc.

Hydrometer Test Data

Hydrometer test uses material passing #200
Percent passing #200 based upon complete sample = 17.3
Weight of hydrometer sample =70.13
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = -6.33
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 152H
Hydrometer effective depth equation: L = 16.294964 **-** 0.164 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
1.00	21.0	14.0	7.8	0.0135	14.0	14.0	0.0504	1.9
15.00	21.0	9.5	3.3	0.0135	9.5	14.7	0.0134	0.8
30.00	21.0	9.0	2.8	0.0135	9.0	14.8	0.0095	0.7
60.00	20.0	8.0	1.6	0.0136	8.0	15.0	0.0068	0.4
240.00	20.0	7.0	0.6	0.0136	7.0	15.1	0.0034	0.2
1440.00	19.0	7.0	0.4	0.0138	7.0	15.1	0.0014	0.1

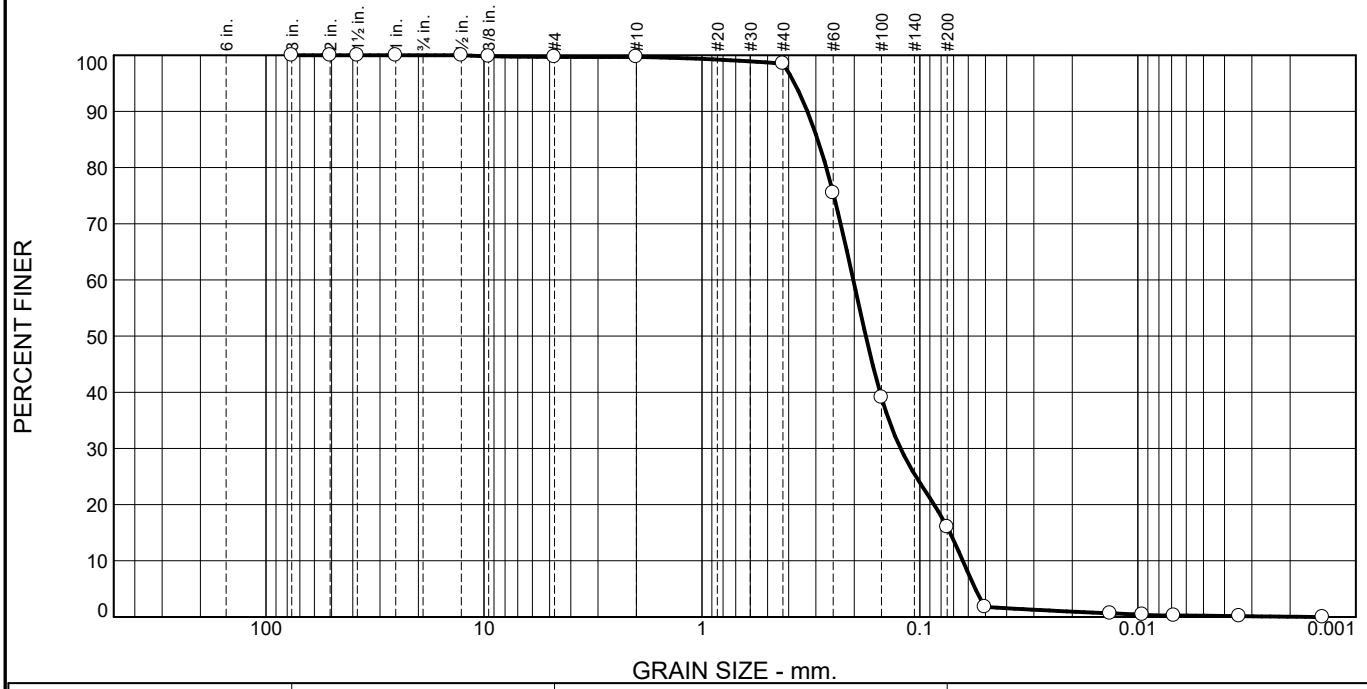
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.1	0.8	81.8	82.7	17.0	0.3	17.3

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.0562	0.0643	0.0717	0.0788	0.0927	0.1071	0.1229	0.1406	0.1866	0.2026	0.2228	0.2584

Fineness Modulus	C_u	C_c
0.40	2.19	0.95

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.3	0.0	1.2	82.5	15.8	0.2

TEST RESULTS (ASTM D 422)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
3"	100.0		
2"	100.0		
1.5"	100.0		
1"	100.0		
0.5"	100.0		
0.375	99.8		
#4	99.7		
#10	99.7		
#40	98.5		
#60	75.5		
#100	39.1		
#200	16.0		
0.0504 mm.	1.8		
0.0134 mm.	0.6		
0.0095 mm.	0.4		
0.0068 mm.	0.3		
0.0034 mm.	0.1		
0.0014 mm.			

* (no specification provided)

Material Description

silty sand

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=**

Classification

USCS (D 2487)= SM **AASHTO (M 145)=** A-2-4(0)

Coefficients

D_{90}= 0.3282 D_{85}= 0.2945 D_{60}= 0.2022
D_{50}= 0.1770 D_{30}= 0.1227 D_{15}= 0.0728
D_{10}= 0.0636 C_u= 3.18 C_c= 1.17

Remarks

SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)

Date Received: 5/4/2022 **Date Tested:** 5/18/2022

Tested By: Steve Holzerland

Checked By: John Jacobs

Title: Project Manager 2

Location: BNSF-H360-042922-0-8
Sample Number: S2205101-006A

Date Sampled: 4/29/2022

Pace Analytical Services, Inc.

Sheridan, Wyoming

Client: Pace Analytical-Minneapolis
Project: 10606565 D3593500

Project No: S2205101 **Figure**

GRAIN SIZE DISTRIBUTION TEST DATA

5/18/2022

Client: Pace Analytical-Minneapolis
Project: 10606565 D3593500
Project Number: S2205101
Location: BNSF-H360-042922-0-8
Sample Number: S2205101-006A
Material Description: silty sand
Sample Date: 4/29/2022 9:25
Date Received: 5/4/2022 **PL:** NP **LL:** NV
USCS Classification: SM **AASHTO Classification:** A-2-4(0)
Grain Size Test Method: ASTM D 422
Testing Remarks: SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)
Tested By: Steve Holzerland **Test Date:** 5/18/2022
Checked By: John Jacobs **Title:** Project Manager 2

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
131.66	0.00	3"	0.00	0.00	100.0
		2"	0.00	0.00	100.0
		1.5"	0.00	0.00	100.0
		1"	0.00	0.00	100.0
		0.5"	0.00	0.00	100.0
		0.375	0.25	0.00	99.8
		#4	0.15	0.00	99.7
		#10	0.00	0.00	99.7
70.49	0.00	#40	0.84	0.00	98.5
		#60	16.28	0.00	75.5
		#100	25.73	0.00	39.1
		#200	16.32	0.00	16.0

Pace Analytical Services, Inc.

Hydrometer Test Data

Hydrometer test uses material passing #200
Percent passing #200 based upon complete sample = 16.0
Weight of hydrometer sample =70.49
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = -6.33
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 152H
Hydrometer effective depth equation: L = 16.294964 **-** 0.164 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
1.00	21.0	14.0	7.8	0.0135	14.0	14.0	0.0504	1.8
15.00	21.0	9.0	2.8	0.0135	9.0	14.8	0.0134	0.6
30.00	21.0	8.0	1.8	0.0135	8.0	15.0	0.0095	0.4
60.00	20.0	7.5	1.1	0.0136	7.5	15.1	0.0068	0.3
240.00	20.0	7.0	0.6	0.0136	7.0	15.1	0.0034	0.1
1440.00	19.0	6.5	-0.1	0.0138	6.5	15.2	0.0014	0.0

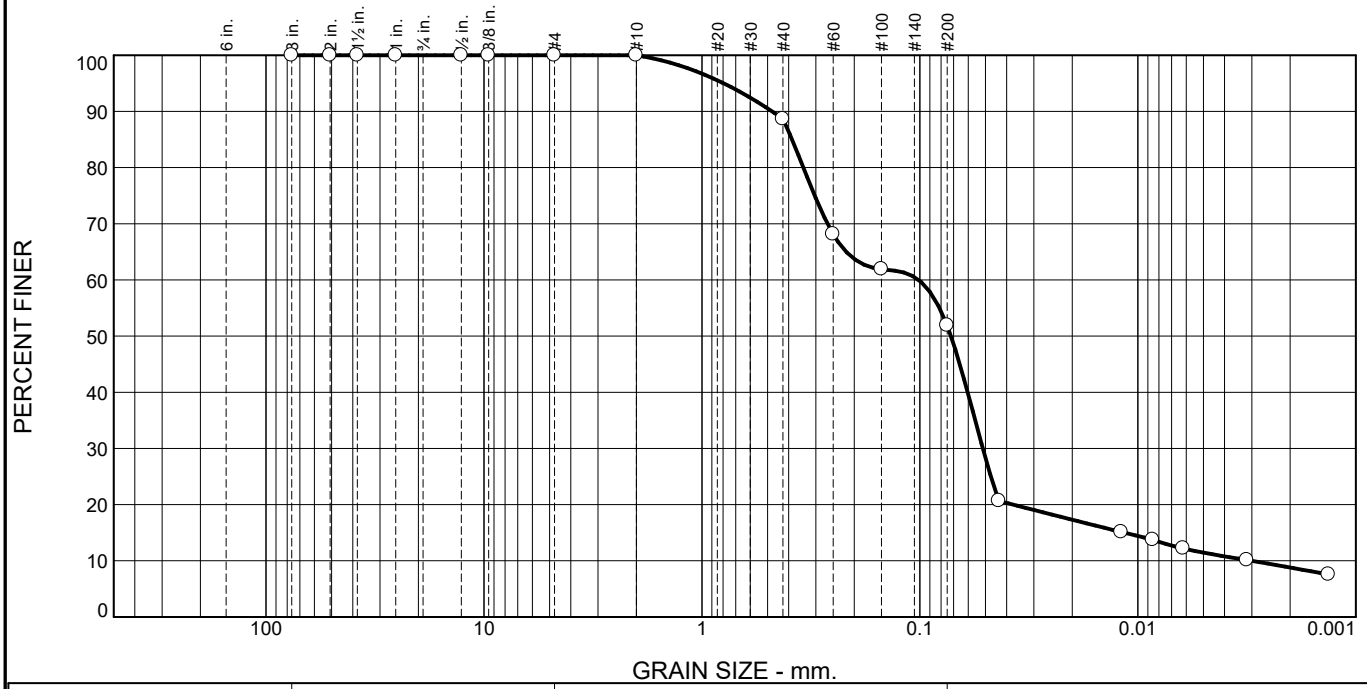
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.3	0.3	0.0	1.2	82.5	83.7	15.8	0.2	16.0

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
0.0556	0.0636	0.0728	0.0860	0.1227	0.1524	0.1770	0.2022	0.2688	0.2945	0.3282	0.3757

Fineness Modulus	C_u	C_c
0.77	3.18	1.17

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.0	11.3	36.8	40.5	11.4

TEST RESULTS (ASTM D 422)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
3"	100.0		
2"	100.0		
1.5"	100.0		
1"	100.0		
0.5"	100.0		
0.375	100.0		
#4	100.0		
#10	100.0		
#40	88.7		
#60	68.1		
#100	61.9		
#200	51.9		
0.0434 mm.	20.7		
0.0119 mm.	15.1		
0.0085 mm.	13.7		
0.0062 mm.	12.2		
0.0032 mm.	10.1		
0.0013 mm.	7.6		

* (no specification provided)

Material Description

sandy silt

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=**

Classification

USCS (D 2487)= ML **AASHTO (M 145)=** A-4(0)

Coefficients

D_{90}= 0.4765 D_{85}= 0.3861 D_{60}= 0.1014
D_{50}= 0.0720 D_{30}= 0.0515 D_{15}= 0.0115
D_{10}= 0.0030 C_u= 33.57 C_c= 8.65

Remarks

SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)

Date Received: **Date Tested:** 5/18/2022

Tested By: Steve Holzerland

Checked By: John Jacobs

Title: Project Manager 2

Location: LCS
Sample Number: LCS

Date Sampled:

Pace Analytical Services, Inc.

Sheridan, Wyoming

Client:
Project:

Project No: **Figure**

GRAIN SIZE DISTRIBUTION TEST DATA

5/18/2022

Location: LCS
Sample Number: LCS
Material Description: sandy silt
PL: NP **LL:** NV
USCS Classification: ML **AASHTO Classification:** A-4(0)
Grain Size Test Method: ASTM D 422
Testing Remarks: SAND TRUE VALUE: 48.08 (+/-10% 52.88/43.27)
SILT TRUE VALUE: 38.73 (+/-10% 42.6/34.86)
Tested By: Steve Holzerland **Test Date:** 5/18/2022
Checked By: John Jacobs **Title:** Project Manager 2

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
75.00	0.00	3"	0.00	0.00	100.0
		2"	0.00	0.00	100.0
		1.5"	0.00	0.00	100.0
		1"	0.00	0.00	100.0
		0.5"	0.00	0.00	100.0
		0.375	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.00	0.00	100.0
75.00	0.00	#40	8.50	0.00	88.7
		#60	15.39	0.00	68.1
		#100	4.68	0.00	61.9
		#200	7.50	0.00	51.9

Hydrometer Test Data

Hydrometer test uses material passing #200
Percent passing #200 based upon complete sample = 51.9
Weight of hydrometer sample =75.0
Automatic temperature correction
Composite correction (fluid density and meniscus height) at 20 deg. C = -6.33
Meniscus correction only = 0.0
Specific gravity of solids = 2.65
Hydrometer type = 152H
Hydrometer effective depth equation: L = 16.294964 **-** 0.164 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
1.00	21.0	36.0	29.8	0.0135	36.0	10.4	0.0434	20.7
15.00	21.0	28.0	21.8	0.0135	28.0	11.7	0.0119	15.1
30.00	21.0	26.0	19.8	0.0135	26.0	12.0	0.0085	13.7
60.00	20.0	24.0	17.6	0.0136	24.0	12.4	0.0062	12.2
240.00	20.0	21.0	14.6	0.0136	21.0	12.9	0.0032	10.1
1440.00	19.0	17.5	10.9	0.0138	17.5	13.4	0.0013	7.6

Pace Analytical Services, Inc.

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	11.3	36.8	48.1	40.5	11.4	51.9

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
	0.0030	0.0115	0.0374	0.0515	0.0604	0.0720	0.1014	0.3424	0.3861	0.4765	0.7949

Fineness Modulus	C_u	C_c
0.73	33.57	8.65

Internal Transfer Chain of Custody

Pace Analytical®
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: WA
Cert. Needed: [x] Yes ☐ No
Owner Received Date: 5/2/2022 Results Requested By: 5/23/2022

Workorder: 10606565 **Workorder Name:** D3593500

Report To	Subcontract To
Kongmeng Vang Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone (612)607-1700	Pace Analytical Sheridan WY 1673 Terra Avenue Sheridan, WY 82801 Phone (307) 672-8945

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	ASTM D422 Hydrometer - Pace WY	LAB USE ONLY
1	BNSF-SG11-042822-0-5	PS	4/28/2022 08:05	10606565001	Solid	1	X	S220510I-001
2	BNSF-E380-042822-0-4	PS	4/28/2022 08:35	10606565002	Solid	1	X	002
3	BNSF-E320-042822-0-4	PS	4/28/2022 09:05	10606565003	Solid	1	X	003
4	BNSF-D160-042822-0-5	PS	4/28/2022 09:50	10606565004	Solid	1	X	004
5	BNSF-E460-042922-0-4	PS	4/29/2022 08:50	10606565005	Solid	1	X	005
6	BNSF-H360-042922-0-8	PS	4/29/2022 09:25	10606565006	Solid	1	X	006

Transfers	Released By	Date/Time	Received By	Date/Time
1	CSM/Pace	5322 17:10	Crystal Herman	5/4/22
2				
3				

Comments: 1607

Cooler Temperature on Receipt ____ °C | **Custody Seal** Y or N | **Received on Ice** Y or N | **Samples Intact** Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*

This chain of custody is considered complete as is since this information is available in the owner laboratory.

10606565

LCS: 25g ASTM grade Sand + 50g lab QC soil

Sieve/Hydrometer

3/8" .25

	Sample #	S2205101-001	002	003	004	005	006	LCS
	Initial Wt (g)	137.12	138.03	128.0	123.18	117.31	131.66	75.0
	Sieve #	Weight Retained (g)	Weight Retained (g)	Weight Retained (g)	Weight Retained (g)	Weight Retained (g)	Weight Retained (g)	Weight Retained (g)
	4	0	0	.98	.55	0	.15 131.66 SRH	0
5-14-22	10	.10	.07	2.44	.34	.17	0	0
	40	.26	.33	3.17	.91	.51	.84	8.50
5-18-22	60	5.88	3.34	3.97	3.29	3.14	16.28	15.39
	100	29.18	25.60	14.59	12.28	20.97	25.73	4.68
	200	28.92	35.75	37.21	40.67	33.37	16.32	7.50
	Sample Wt	70.41	70.14	70.48	70.44	70.13	70.49	75.0
	Start Time	10:34	10:35	10:36	10:37	10:38	10:39	10:40
	Minutes	Read Temp						
5-16-22	1	9 21	8 21	13 21	15 21	14 21	14 21	36 21
	15	7.5 21	7 21	7.5 21	8.5 21	9.5 21	9 21	28 21
	30	7 21	6.5 21	7 21	8 21	9 21	8 21	26 21
	60	6.5 21	6 21	6.5 20	7 20	8 20	7.5 20	24 20
	240	6 20	5.5 20	6 20	6.5 20	7 20	7 20	21 20
5-17-22	1440	6 19	5 19	6 19	6 19	7 19	6.5 19	17.5 19
		(4)	(3)	(4)	(3)	(4)	(3)	(4)

1 Sod. Hex / Sod. carb. see solution prep. log copy
2 No. 10 Sieve (2.00 mm) W.S. Tyler Incorporated
3 Amrex Instruments Inc Gyromax 818 orbital shaker
SN: A114 1010 501-40
4 No 200 sieve Fisher Brand SN: 2119 121 74
5 VWR Scientific Inc convection oven
6 Geosystem Soils Test Software version 5
7 Ro-Tap RX-29 SN: 16763
8. No 4 Sieve Soil Test Inc. 4.75 mm
9 3/8" sieve soil Test, Inc. 9.5 mm
10 1/2" sieve Gilson Company 16.0 mm
11. Hydrometer: Fisher Brand / ERTCO No. 32982
ASTM 152 H
12. Thermometer: Fisher Brand / ERTCO SN: 05169100

Initials	Date	Solution	Preparation					Solution Lot #
			Chemical	Lot #	Amount	DI Volume	pH	
SH	Prep: 4-6-22	CEC	Ammonium Acetate	203214	711 g	10L	— 7.30	NH4Ace 040622
	Expire: 10-6-22							
CH	Prep: 4/6/22	0.1 HCl	HCl	1820916011	~~1CFT, 2mL~~ 1L 20mL 3M HCl 2L	14L	—	0.1HCl-040622
	Expire: 10/6/22							
SH	Prep: 4-11-22	CEC	Sodium Acetate	201280	272 g	2L	— 7.05	NaAce 041122
	Expire: 10-11-22							
CH	Prep: 4-12-22	1M KCl	KCl	1022741185	2600 75g	3.5L	—	1MKCl-041222
	Expire: 10-12-22			1073285109				
SH	Prep: 4-13-22	MA	Sodium carb.	A0423850	198.50	25L	—	MA041322
	Expire: 10-13-22		Sodium Hex	A0423850	892.50			
CH	Prep: 4/13/22	1MKCl	KCl	1023285109	2600 75	3 Gal	—	1MKCl-041322
	Expire: 10/13/22							
CH	Prep: 4/14/22	aux. CEC	Comm. Acetate	203214	711.00g	10L	7.07	NH4Ace-041422
	Expire: 10/14/22							
CH	Prep: 4/15/22	mixed acid AS	HCl	1952255	17mLs	2L	—	mixedacid 041522
	Expire: 10/15/22		Sulfuric	6W72	1.4 mLs			

10606565

Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 10606565

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GC-FID DRO - FORM II SVOA-1
SOLID SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No.: 10606565 Contract: D3593500

Instrument ID: 10GCSF

LAB SAMPLE ID	SAMPLE NAME	NTCS	OTER
4310214	4310214BLANK	101	91
4310215	4310215LCS	100	89
10606565001	BNSF-SG11-042822-0-5	94	71
10606565002	BNSF-E380-042822-0-4	90	57
10606565003	BNSF-E320-042822-0-4	88	68
10606565004	BNSF-D160-042822-0-5	95	69
10606565005	BNSF-E460-042922-0-4	94	61
10606565006	BNSF-H360-042922-0-8	91	67

	QC LIMITS
(NTCS) = n-Triacontane (S)	(50-150)
(OTER) = o-Terphenyl (S)	(50-150)

* Values outside of QC Limits

GC-FID DRO - FORM III SVOA-1
SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota
Lab Sample ID: 4310215LCS
Date Extracted: 05/03/2022
Date Analyzed (1): 05/12/2022
Instrument: 10GCSF
LCS Lot No: 358262
Lab File ID: 051122F.B\0511F0000064.D
SDG No.: 10606565

COMPOUND	AMOUNT ADDED (mg/kg)	LCS CONCENTRATION (mg/kg)	LCS %REC	QC LIMITS REC.
Diesel Fuel Range	50.0	48.2	96	50-150
Motor Oil Range	50.0	47.7	95	50-150

Spike Recovery: 0 out of 2 outside limits.

GC-FID DRO - FORM III SVOA-1

SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Minnesota

Matrix Spike - Sample No: 4310216MS

Date Extracted: 05/03/2022

Date Analyzed (1): 05/12/2022

Instrument: 10GCSF

Lab File ID: 051122F.B\0511F0000072.D

Parent Sample ID: 10606560003

SDG No.: 10606565

COMPOUND	SPIKE ADDED (mg/kg)	SAMPLE CONCENTRATION (mg/kg)	MS CONCENTRATION (mg/kg)	MS %REC	QC LIMITS REC.
Diesel Fuel Range	74.0	ND	65.4	80	50-150
Motor Oil Range	74.0	31.6	80.1	66	50-150

Spike Recovery: 0 out of 2 outside limits.

GC-FID DRO - FORM III SVOA-2

SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 10GCSF

Matrix Spike Duplicate - Sample No: 4310217MSD

Lab File ID (2): 051122F.B\0511F0000073.D

Date Analyzed (2): 05/12/2022

COMPOUND	SPIKE ADDED (mg/kg)	MSD CONCENTRATION (mg/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
Diesel Fuel Range	74.0	69.5	85	6	0-30	50-150
Motor Oil Range	74.0	90.2	79	12	0-30	50-150

RPD: 0 out of 2 outside limits.

Spike Recovery: 0 out of 2 outside limits.

SAMPLE NO.

4310214BLANK

GC-FID DRO - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

Lab Name: Pace Analytical - Minnesota SDG No.: 10606565 Contract: D3593500

Instrument ID: 10GCSF Matrix: Solid Lab Sample ID: 4310214

Lab File ID: 051122F.B\0511F0000063.D Date Analyzed: 05/12/2022 Time: 01:04

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
4310215LCS	4310215	051122F.B\0511F0000064.D	05/12/2022 01:15
BNSF-E320-042822-0-4	10606565003	051122F.B\0511F0000065.D	05/12/2022 01:26
BNSF-SG11-042822-0-5	10606565001	051122F.B\0511F0000074.D	05/12/2022 03:08
BNSF-E380-042822-0-4	10606565002	051122F.B\0511F0000075.D	05/12/2022 03:19
BNSF-D160-042822-0-5	10606565004	051222F.B\0512F0000048.D	05/12/2022 22:56
BNSF-E460-042922-0-4	10606565005	051222F.B\0512F0000049.D	05/12/2022 23:08
BNSF-H360-042922-0-8	10606565006	051222F.B\0512F0000050.D	05/12/2022 23:19

SAMPLE NO.

BNSF-SG11-042822-0-5

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received: 05/02/2022 08:50
Matrix: Solid
SDG No.: 10606565
Date Extracted: 05/03/2022 17:14
Lab Sample ID: 10606565001
Date Analyzed: 05/12/2022 03:08
Lab File ID: 051122F.B\0511F0000074.D
Initial wt/vol: 10.07 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 10GCSF
Percent Moisture: 25.5%

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/kg	Q
68334-30-5	Diesel Fuel Range	9.9	J
	Motor Oil Range	35.4	

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000074.D
Lab Smp Id: 10606565001 Client Smp ID: BNSF-SG11-042822-0-
Inj Date : 12-MAY-2022 03:08
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 10606565001
Misc Info : 39318
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 61
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: SOIL
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf*Vt/(Ws*Vi*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Ws	10.070	Weight of the sample extracted (g)
Vi	1.000	Volume Injected (uL)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (mg/Kg)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.567	2.568	-0.001	216143	35.5169	3.53	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.028	4.028	0.000	227945	46.8719	4.65	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		1147646	265.627	26.4	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		1147646	266.056	26.4	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		586080	74.4261	7.39	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		586080	74.4261	7.39	(M)	RNG

QC Flag Legend

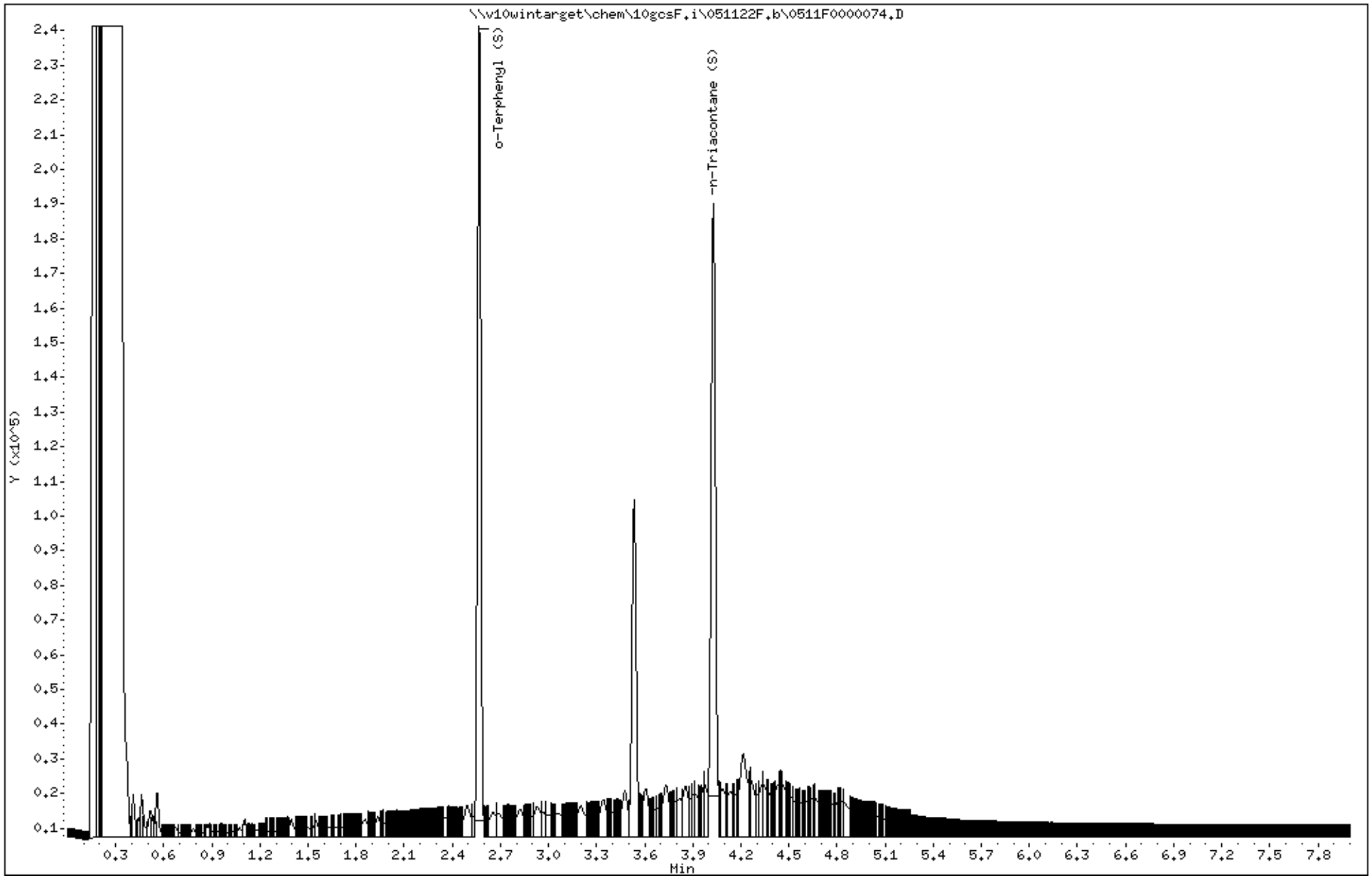
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000074.D
Date : 12-MAY-2022 03:08
Client ID: BNSF-SG11-042822-0-
Sample Info: 10606565001
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

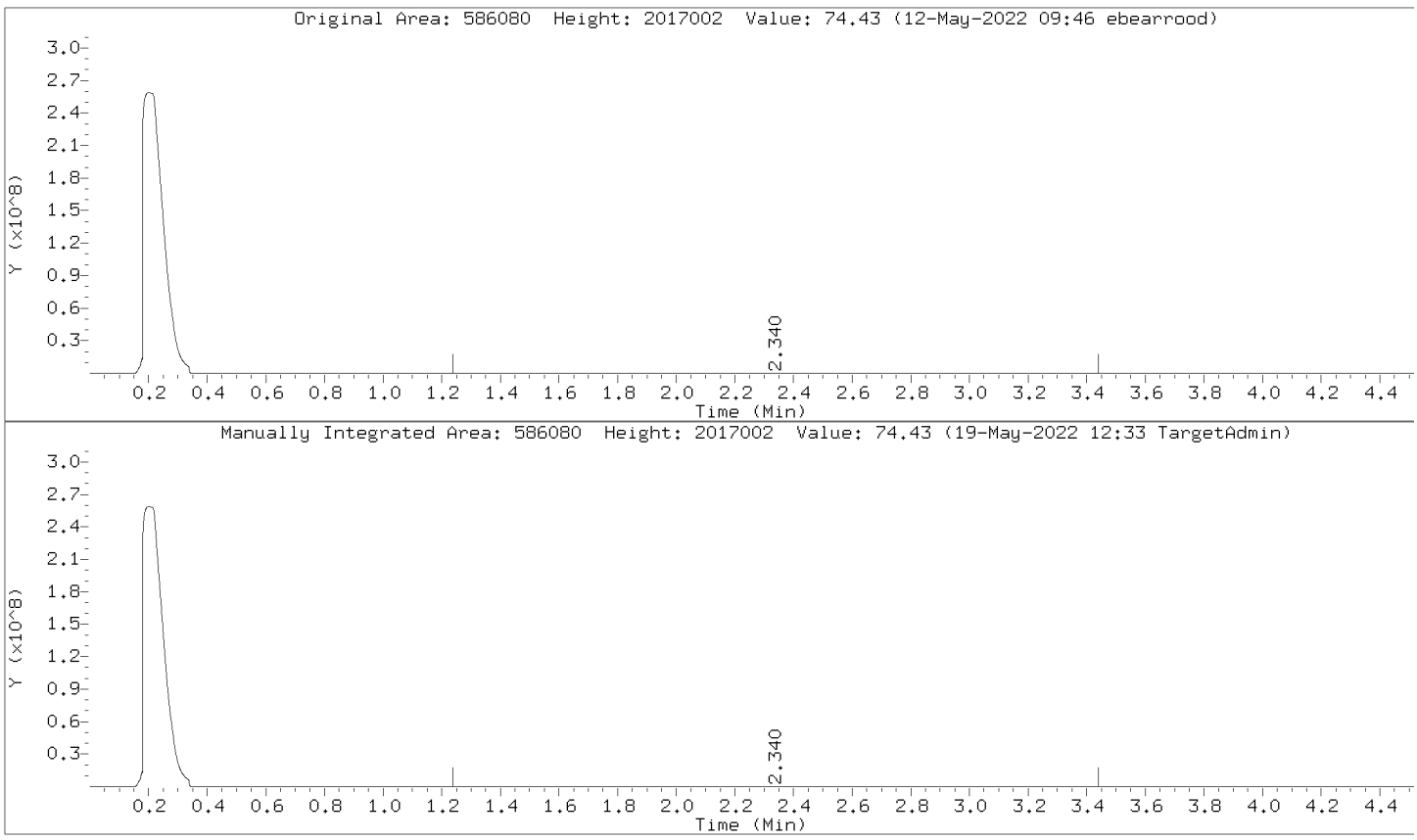
Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32



96 of 1506
9 of 723
10606565

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000074.D
Injection Date: 12-MAY-2022 03:08
Instrument: 10gcsF.i
Lab Sample ID: 10606565001

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



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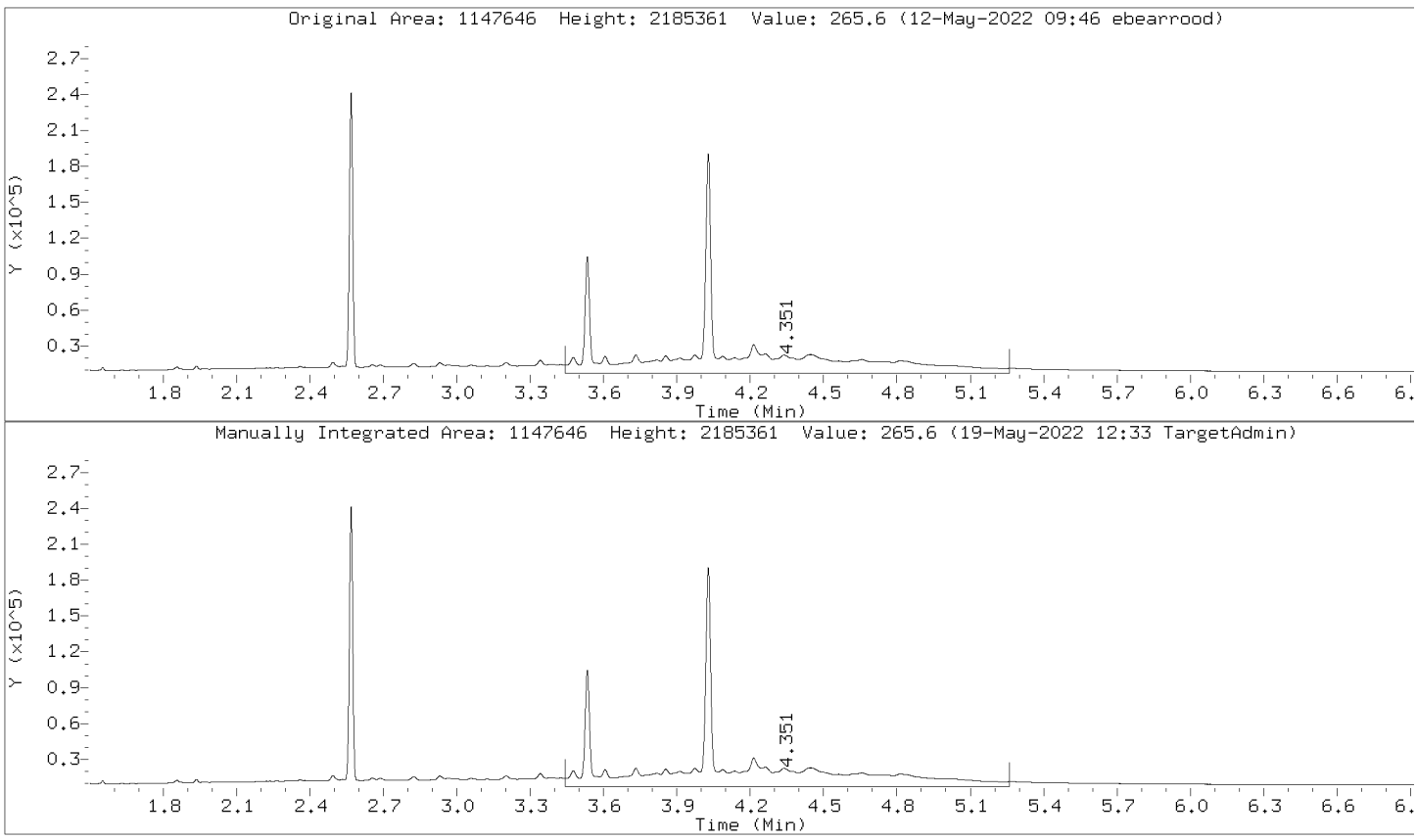
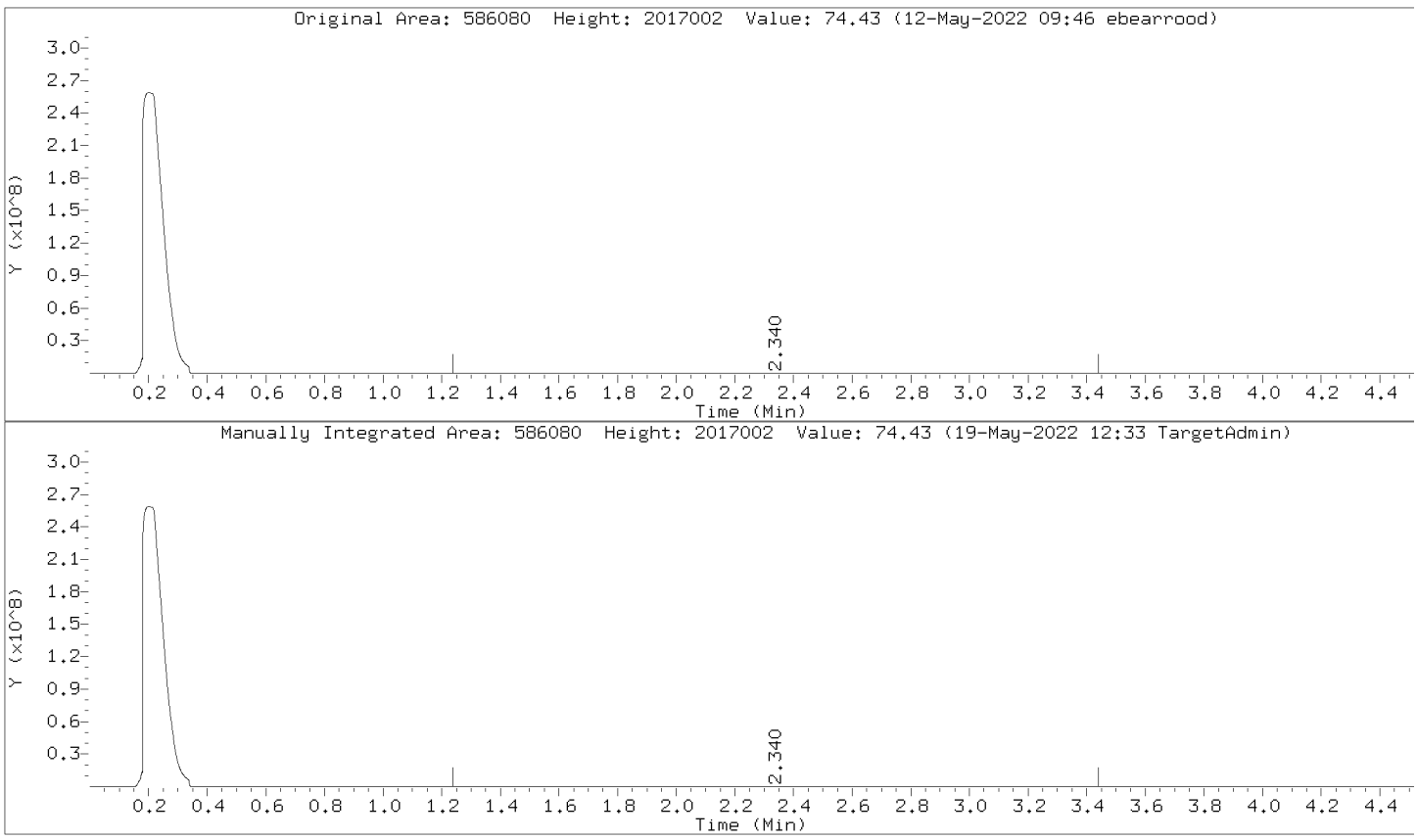
Injection Date: 12-MAY-2022 03:08
Instrument: 10gcsF.i
Lab Sample ID: 10606565001

Compound: Motor Oil Range Review Code: RNG
CAS Number:



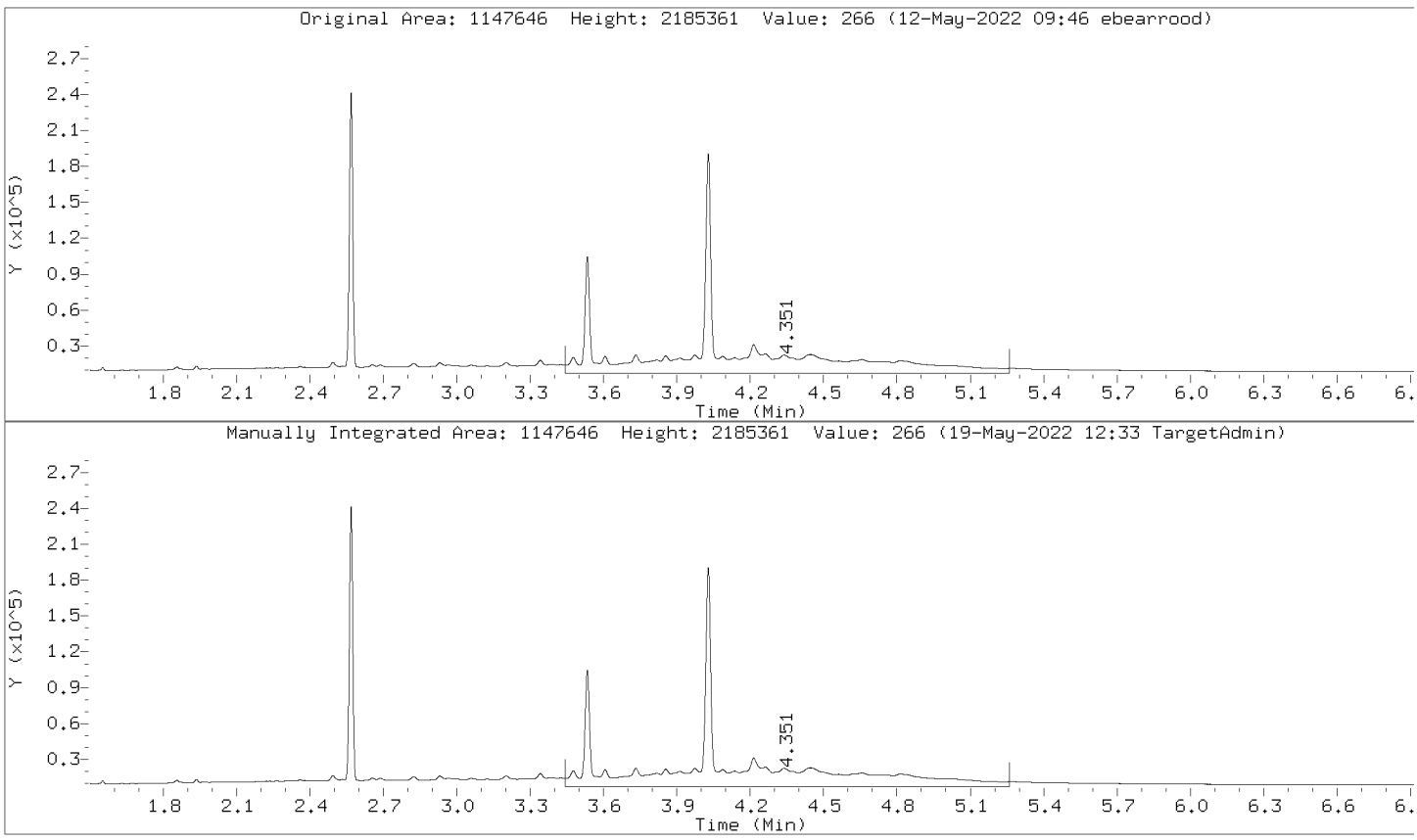
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000074.D
Injection Date: 12-MAY-2022 03:08
Instrument: 10gcsF.i
Lab Sample ID: 10606565001

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



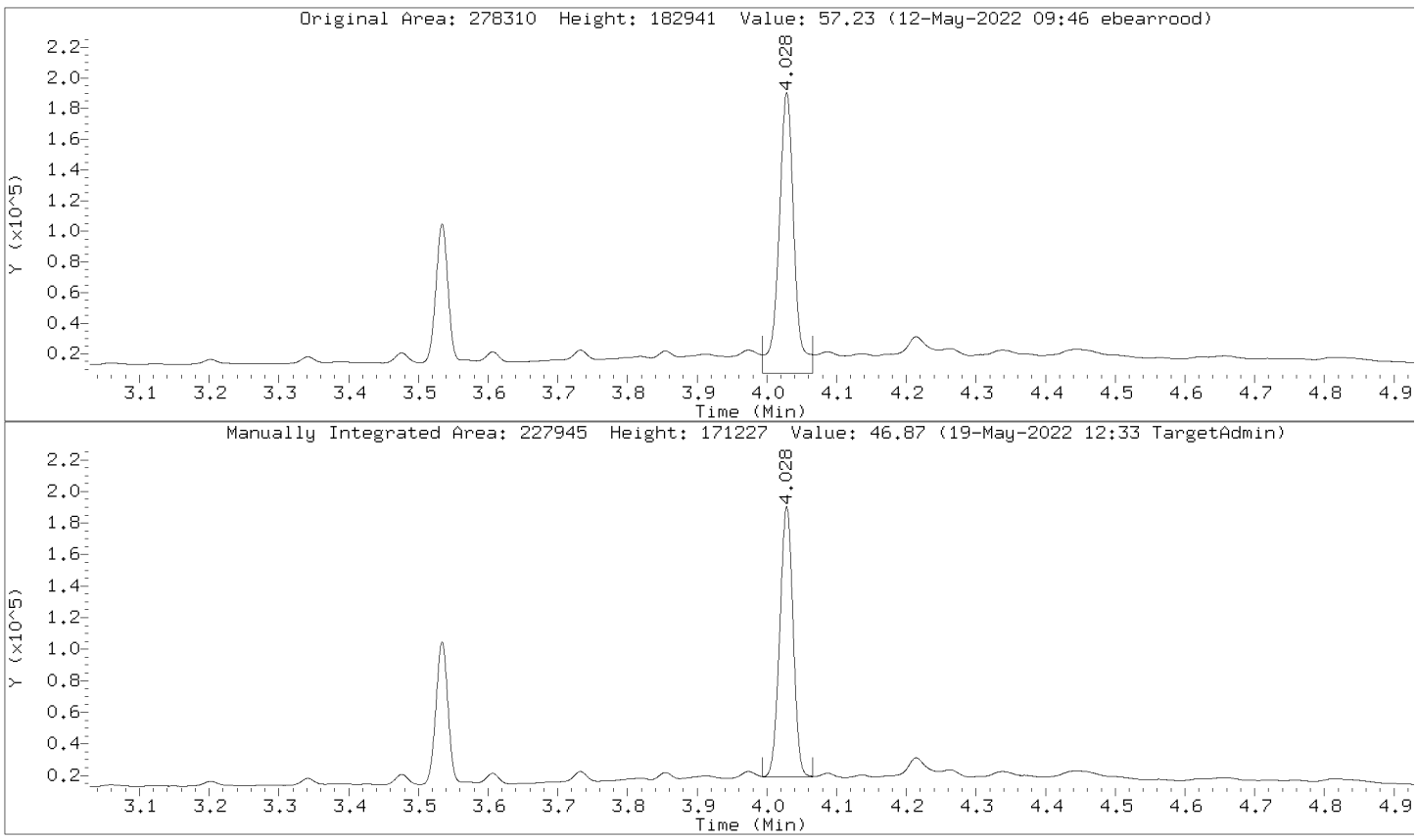
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000074.D
Injection Date: 12-MAY-2022 03:08
Instrument: 10gcsF.i
Lab Sample ID: 10606565001

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



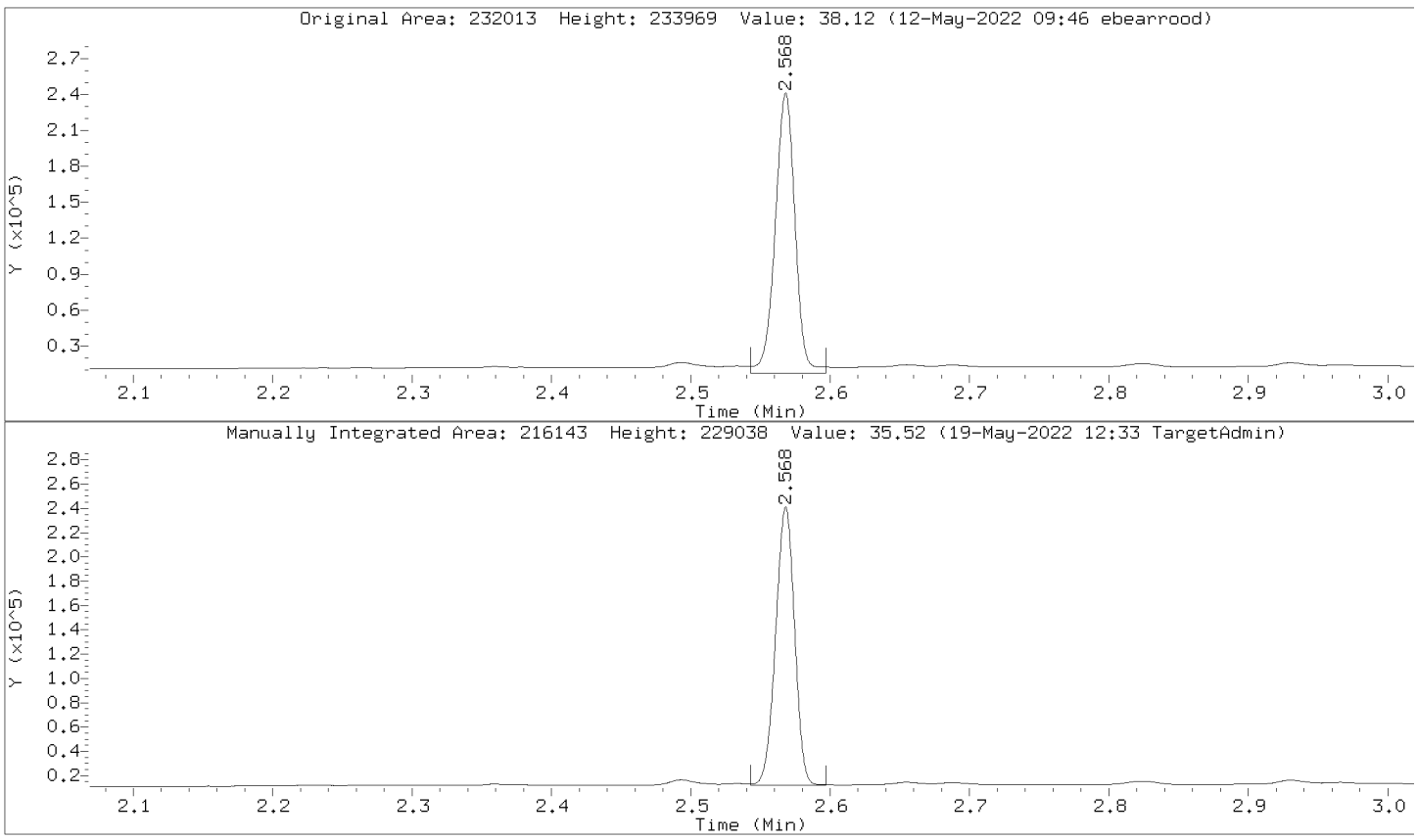
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000074.D
Injection Date: 12-MAY-2022 03:08
Instrument: 10gcsF.i
Lab Sample ID: 10606565001

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000074.D
Injection Date: 12-MAY-2022 03:08
Instrument: 10gcsF.i
Lab Sample ID: 10606565001

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	586080	586080
Motor Oil Range	1147646	1147646
Diesel Fuel Range SG	586080	586080
Motor Oil Range SG	1147646	1147646
n-Triacontane (S)	278310	227945
o-Terphenyl (S)	232013	216143

SAMPLE NO.

BNSF-E380-042822-0-4

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received: 05/02/2022 08:50
Matrix: Solid
SDG No.: 10606565
Date Extracted: 05/03/2022 17:14
Lab Sample ID: 10606565002
Date Analyzed: 05/12/2022 03:19
Lab File ID: 051122F.B\0511F0000075.D
Initial wt/vol: 10.01 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 10GCSF
Percent Moisture: 28.5%

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/kg	Q
68334-30-5	Diesel Fuel Range	ND	U
	Motor Oil Range	25.1	

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000075.D
Lab Smp Id: 10606565002 Client Smp ID: BNSF-E380-042822-0-
Inj Date : 12-MAY-2022 03:19
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 10606565002
Misc Info : 39318
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 62
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: SOIL
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf*Vt/(Ws*Vi*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Ws	10.010	Weight of the sample extracted (g)
Vi	1.000	Volume Injected (uL)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (mg/Kg)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.567	2.568	-0.001	174484	28.6714	2.86	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.028	4.028	0.000	219495	45.1343	4.51	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		812214	179.374	17.9	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		812214	179.819	18.0	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		458748	45.0297	4.50	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		458748	45.0297	4.50	(M)	RNG

QC Flag Legend

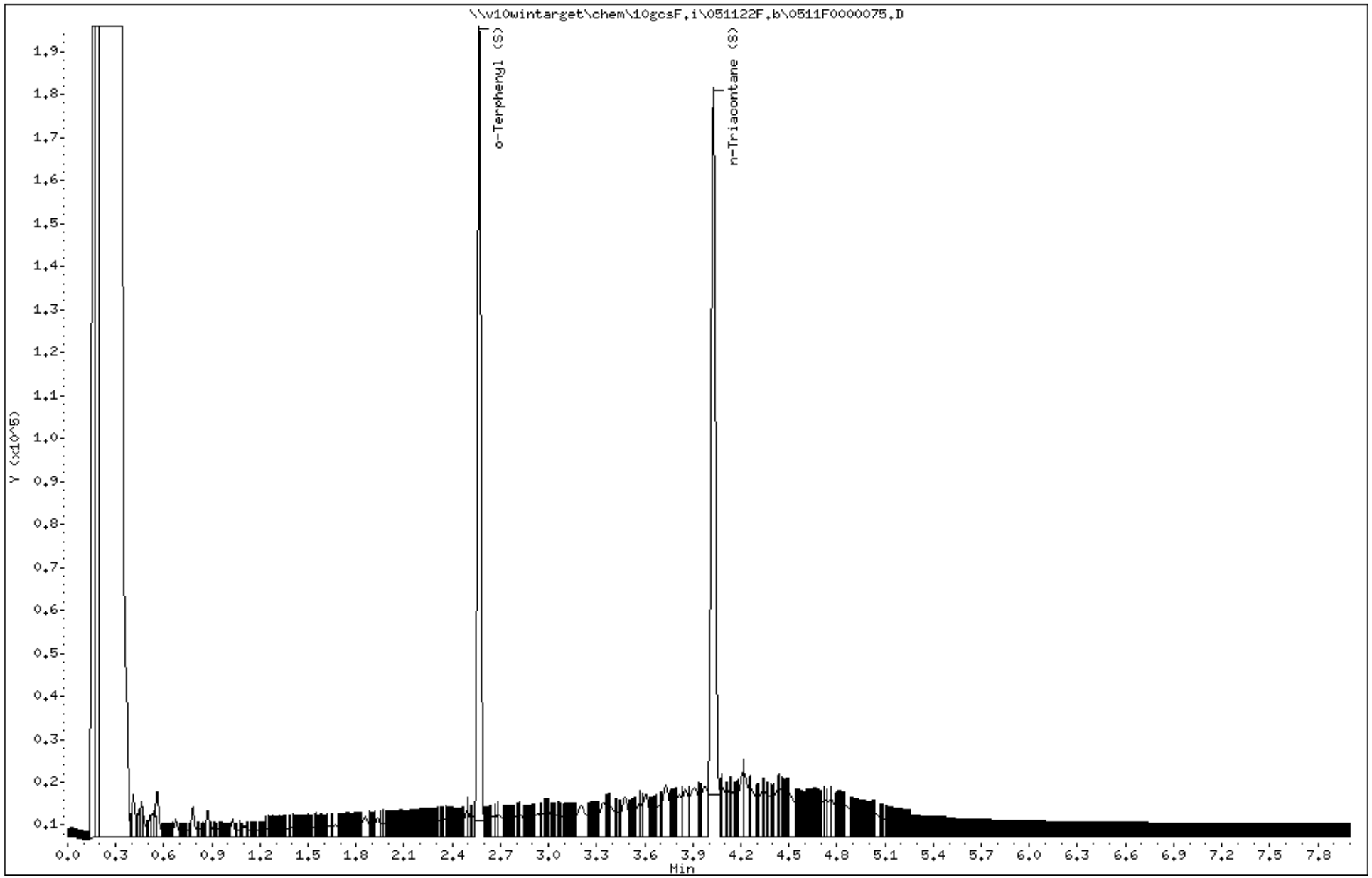
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000075.D
Date : 12-MAY-2022 03:19
Client ID: BNSF-E380-042822-0-
Sample Info: 10606565002
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32



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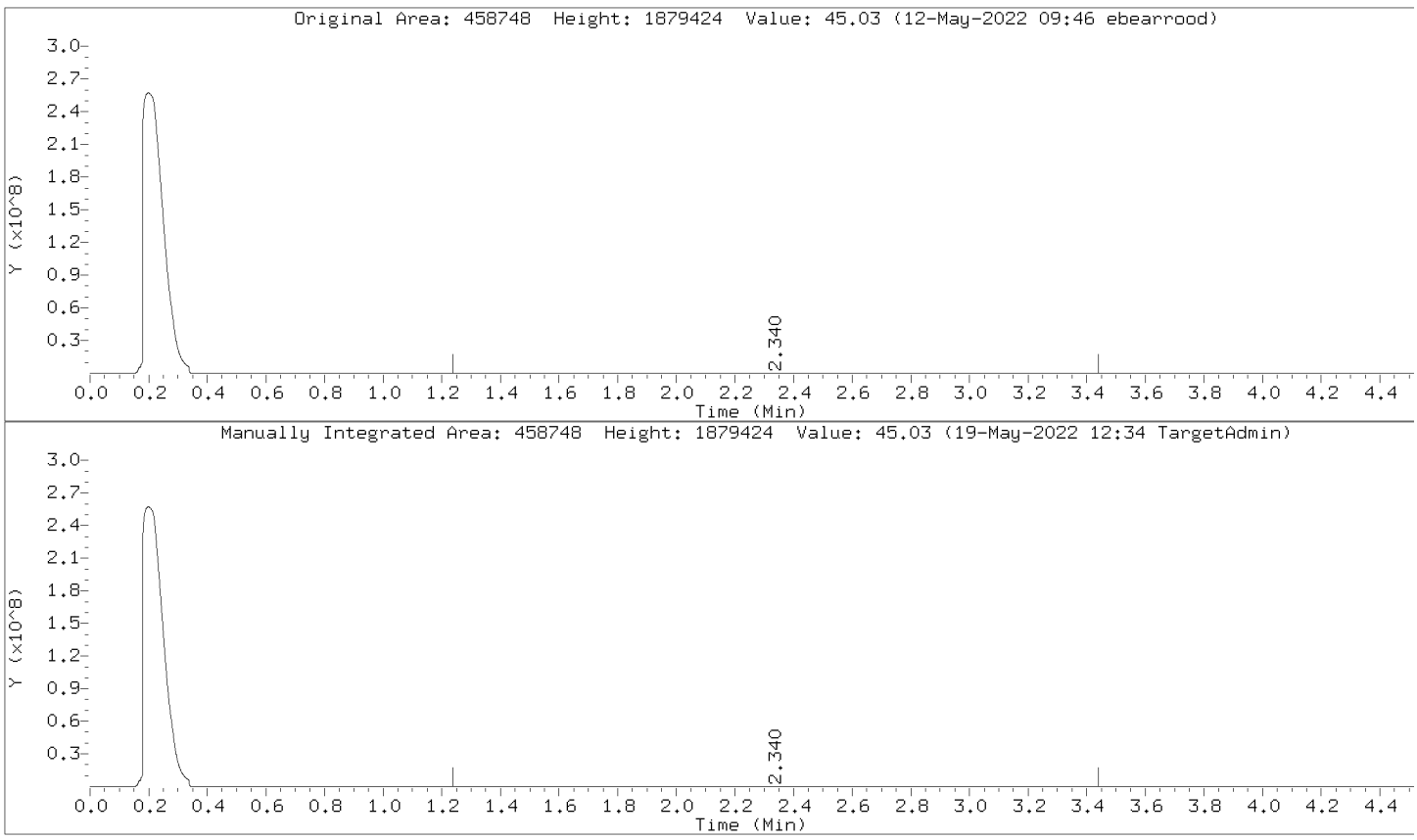
10606565

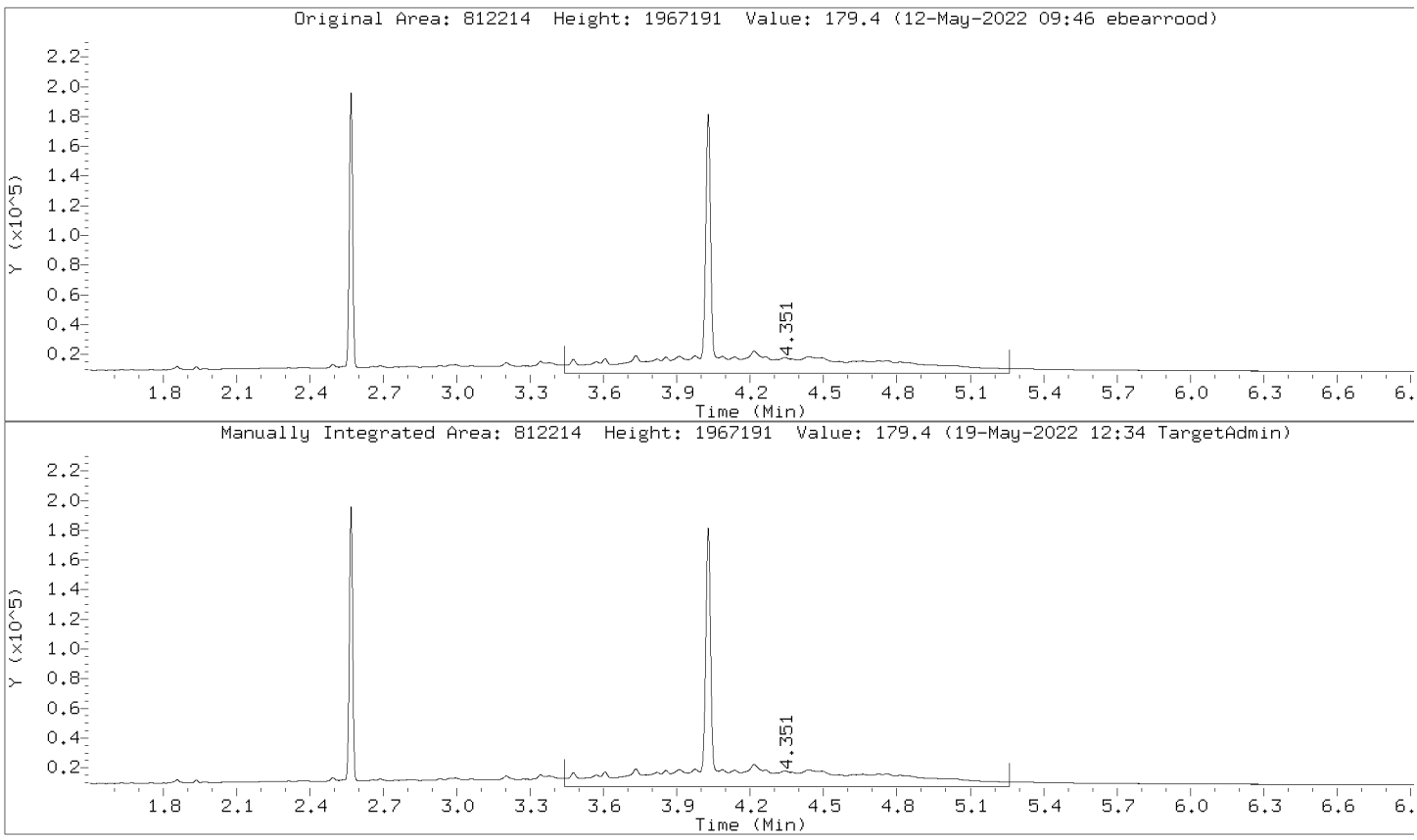
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000075.D
Injection Date: 12-MAY-2022 03:19
Instrument: 10gcsF.i
Lab Sample ID: 10606565002

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



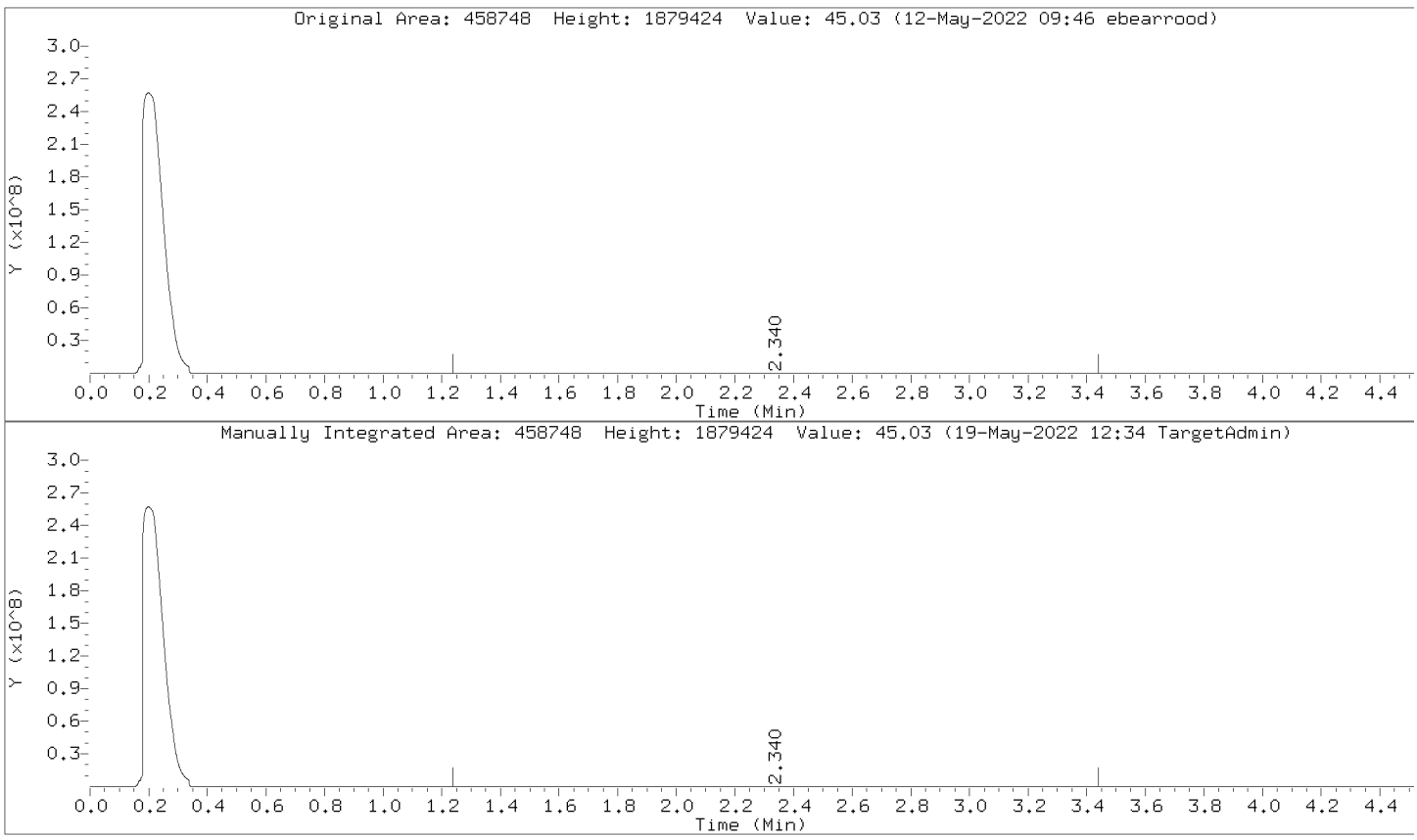
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000075.D
Injection Date: 12-MAY-2022 03:19
Instrument: 10gcsF.i
Lab Sample ID: 10606565002

Compound: Motor Oil Range Review Code: RNG
CAS Number:



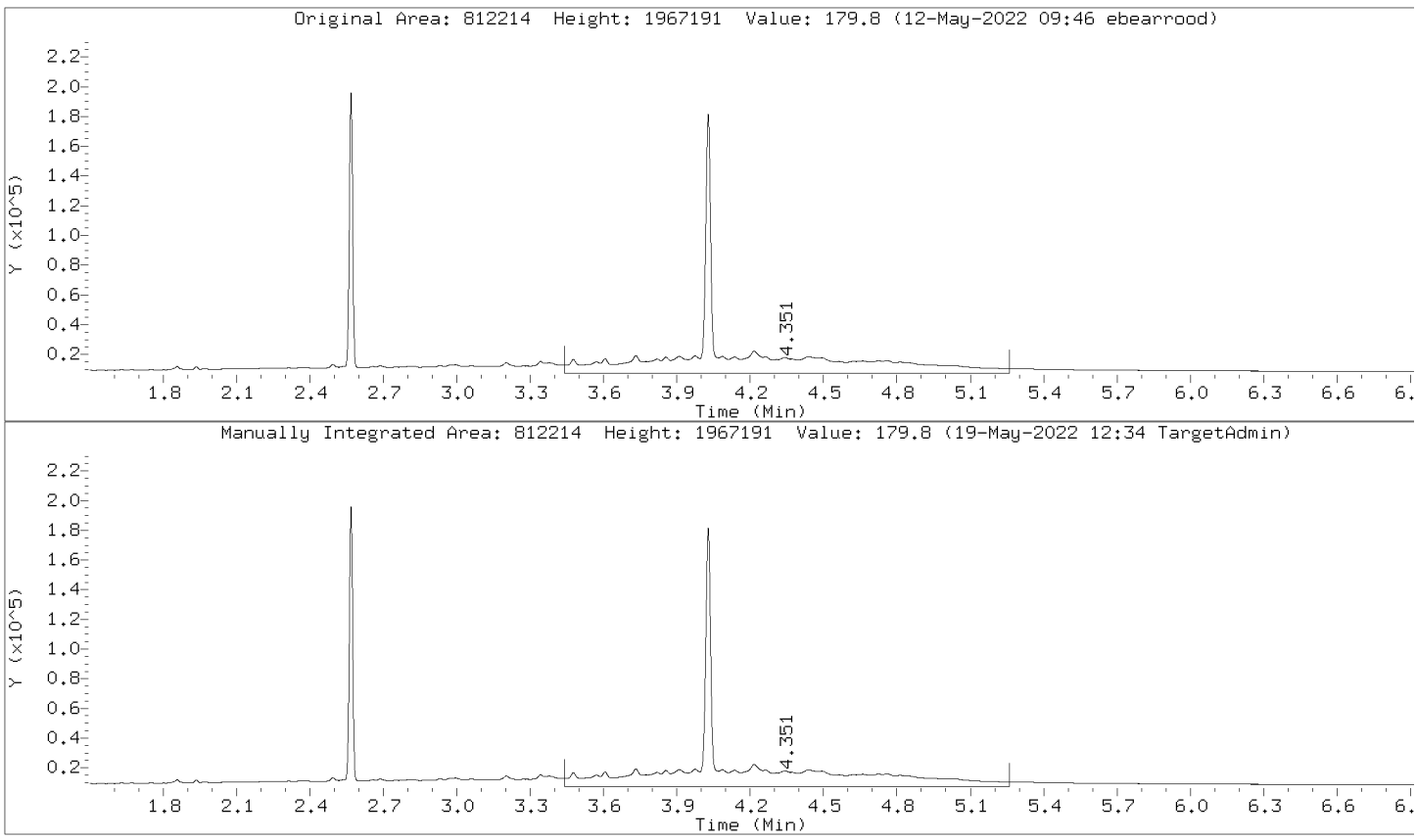
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000075.D
Injection Date: 12-MAY-2022 03:19
Instrument: 10gcsF.i
Lab Sample ID: 10606565002

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



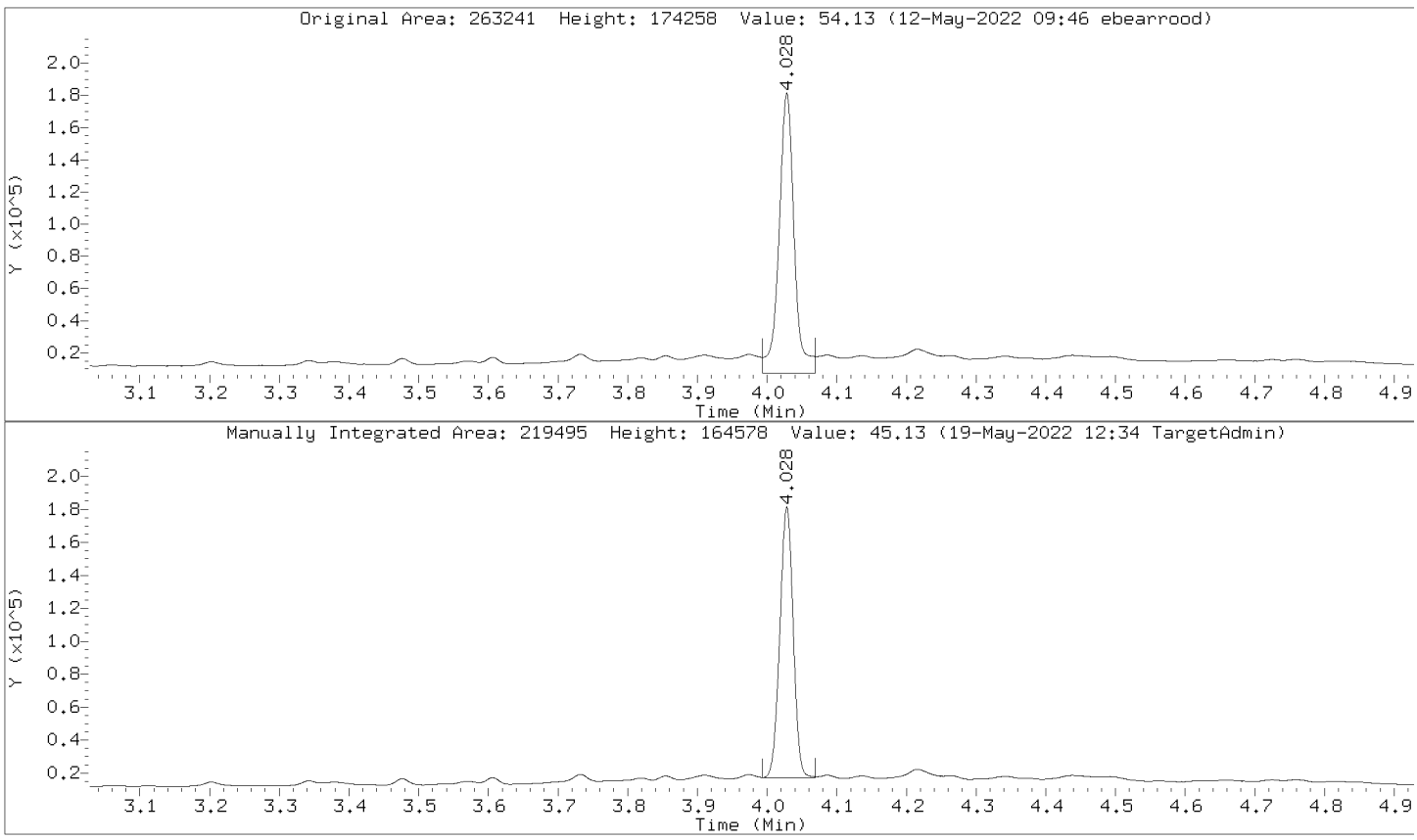
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000075.D
Injection Date: 12-MAY-2022 03:19
Instrument: 10gcsF.i
Lab Sample ID: 10606565002

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



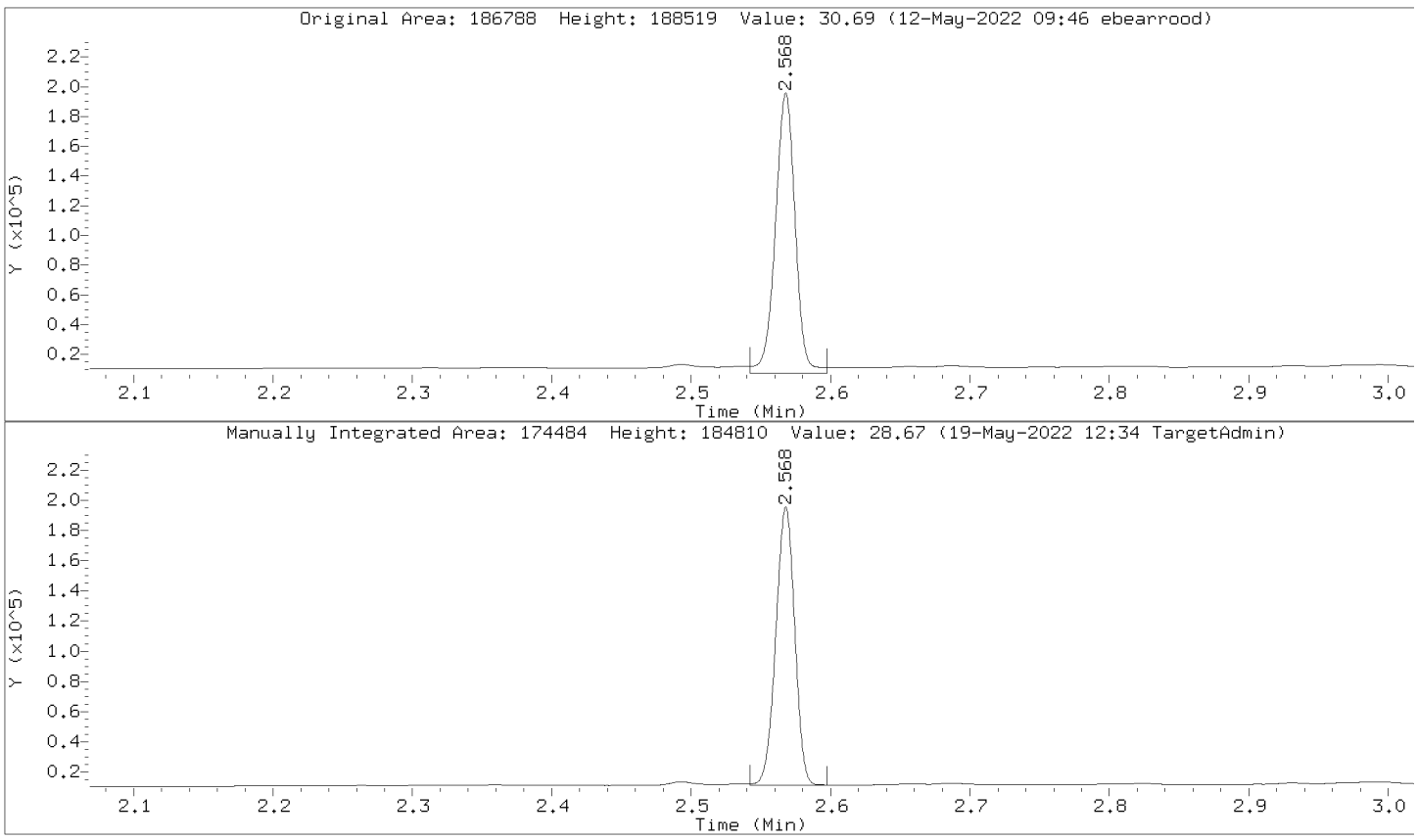
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000075.D
Injection Date: 12-MAY-2022 03:19
Instrument: 10gcsF.i
Lab Sample ID: 10606565002

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000075.D
Injection Date: 12-MAY-2022 03:19
Instrument: 10gcsF.i
Lab Sample ID: 10606565002

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	458748	458748
Motor Oil Range	812214	812214
Diesel Fuel Range SG	458748	458748
Motor Oil Range SG	812214	812214
n-Triacontane (S)	263241	219495
o-Terphenyl (S)	186788	174484

SAMPLE NO.

BNSF-E320-042822-0-4

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received: 05/02/2022 08:50
Matrix: Solid
SDG No.: 10606565
Date Extracted: 05/03/2022 17:14
Lab Sample ID: 10606565003
Date Analyzed: 05/12/2022 01:26
Lab File ID: 051122F.B\0511F0000065.D
Initial wt/vol: 10.05 g
Final wt/vol: 1 mL
Dilution: 10
Instrument: 10GCSF
Percent Moisture: 26.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/kg	Q
68334-30-5	Diesel Fuel Range	223	
	Motor Oil Range	630	

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000065.D
Lab Smp Id: 10606565003 Client Smp ID: BNSF-E320-042822-0-
Inj Date : 12-MAY-2022 01:26
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 10606565003x10
Misc Info : 39318
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 52
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: SOIL
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf*Vt/(Ws*Vi*(100-M)/100) * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Uf	0.00100	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Ws	10.050	Weight of the sample extracted (g)
Vi	1.000	Volume Injected (uL)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (mg/Kg)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.566	2.568	-0.002	20773	3.41344	3.40	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.026	4.028	-0.002	21476	4.41607	4.39	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		1916205	463.252	461	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		1916205	463.647	461	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		972857	163.719	163	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		972857	163.719	163	(M)	RNG

QC Flag Legend

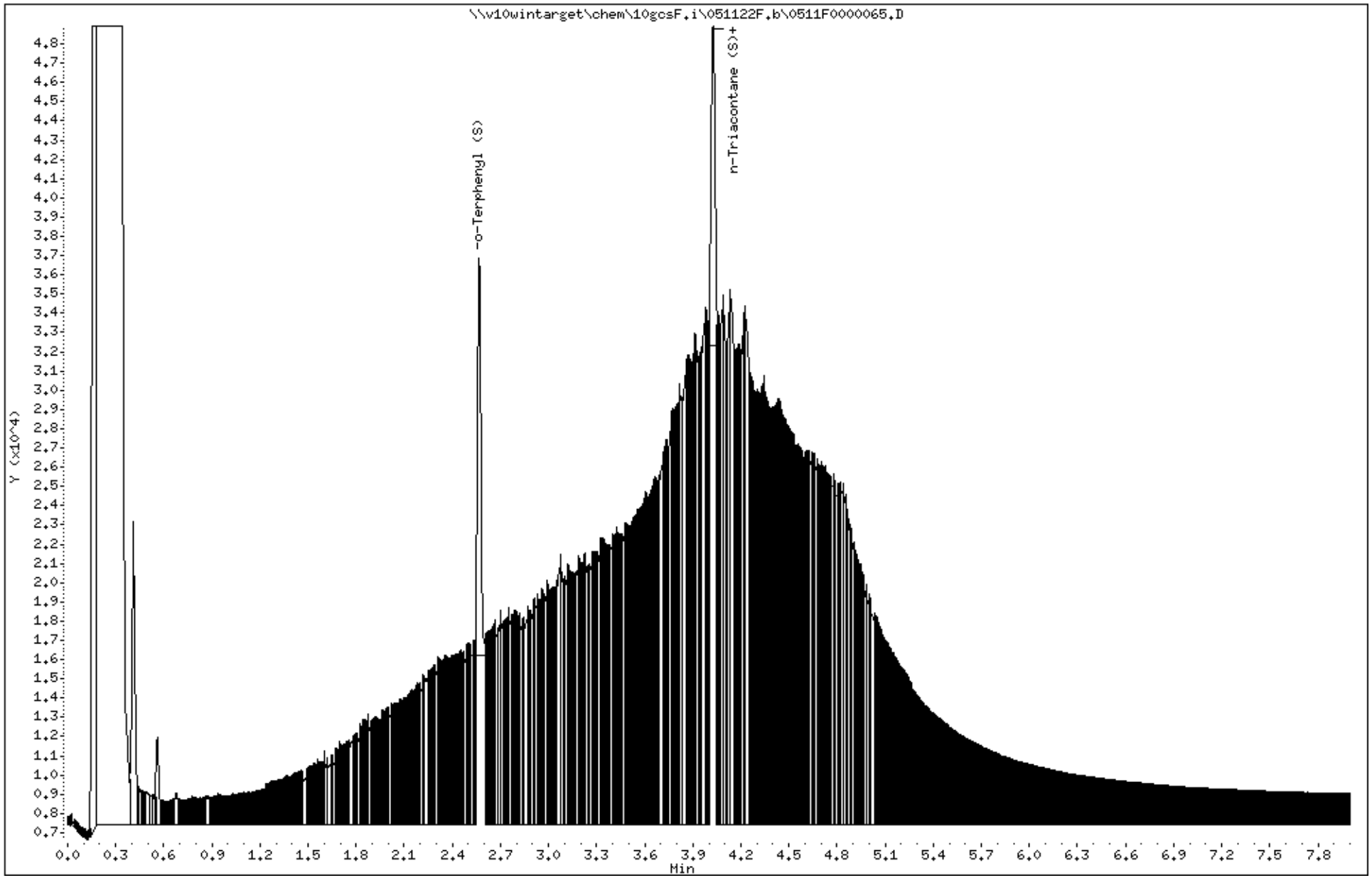
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000065.D
Date : 12-MAY-2022 01:26
Client ID: BNSF-E320-042822-0-
Sample Info: 10606565003X10
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32



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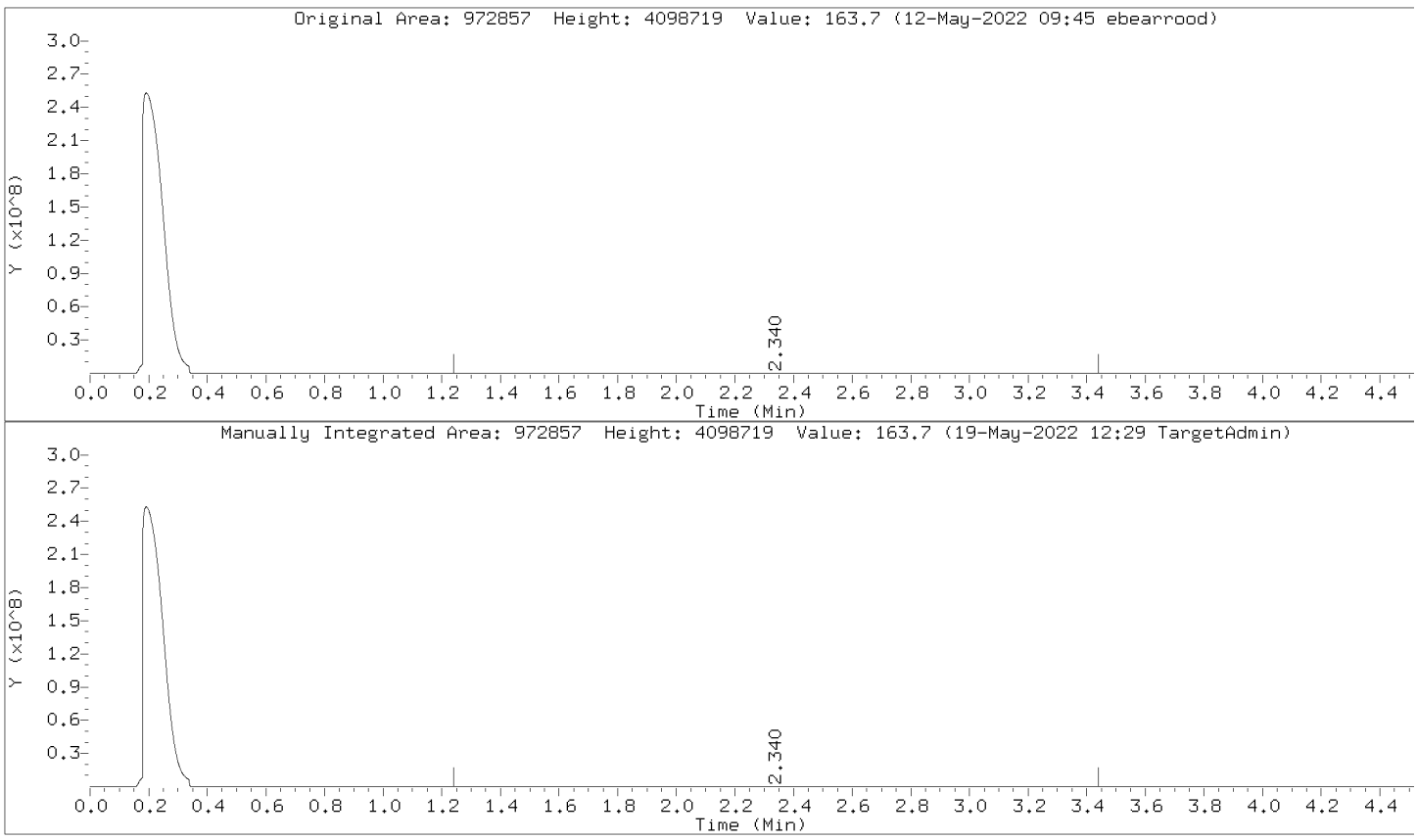
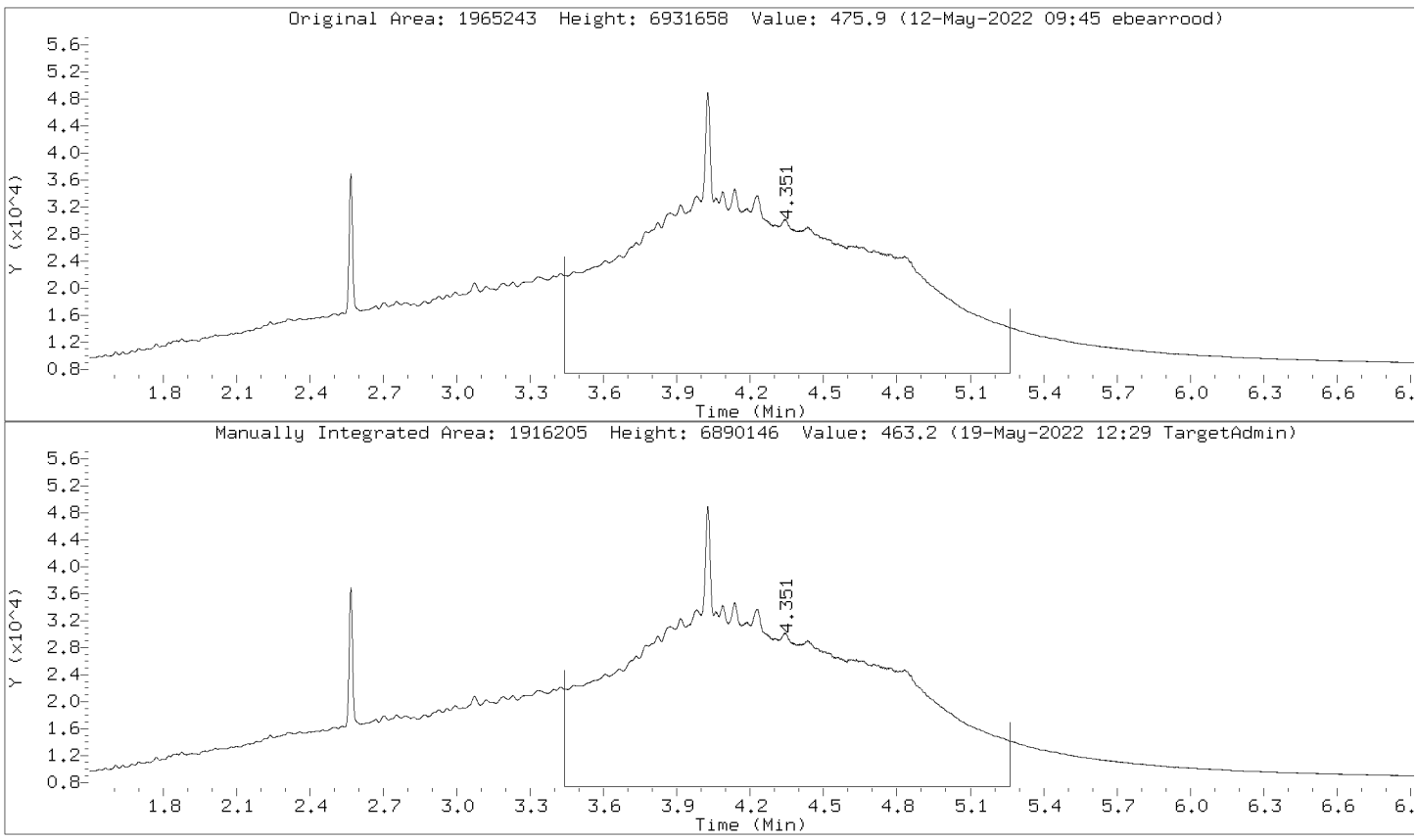
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000065.D
Injection Date: 12-MAY-2022 01:26
Instrument: 10gcsF.i
Lab Sample ID: 10606565003

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



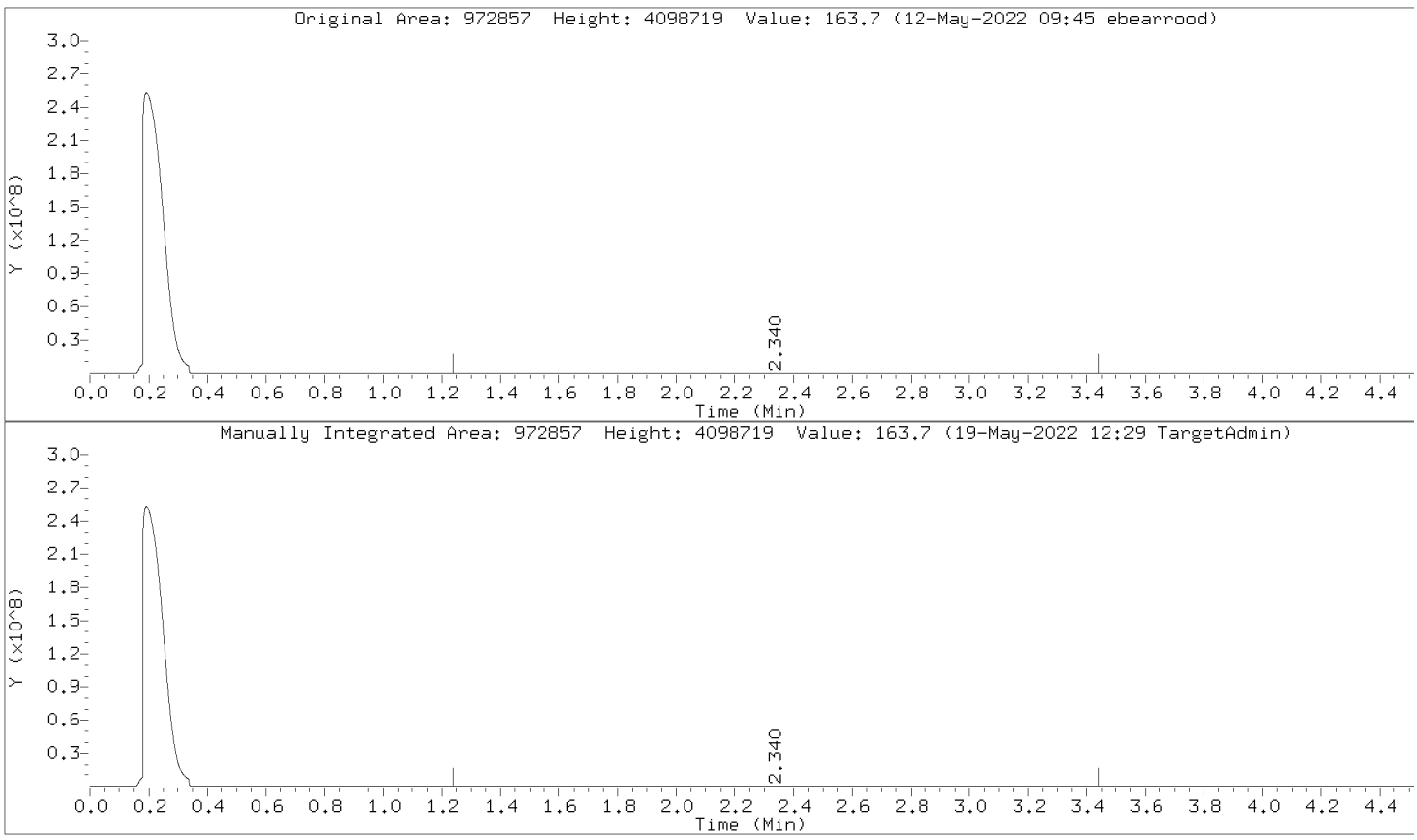
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000065.D
Injection Date: 12-MAY-2022 01:26
Instrument: 10gcsF.i
Lab Sample ID: 10606565003

Compound: Motor Oil Range Review Code: RNG
CAS Number:



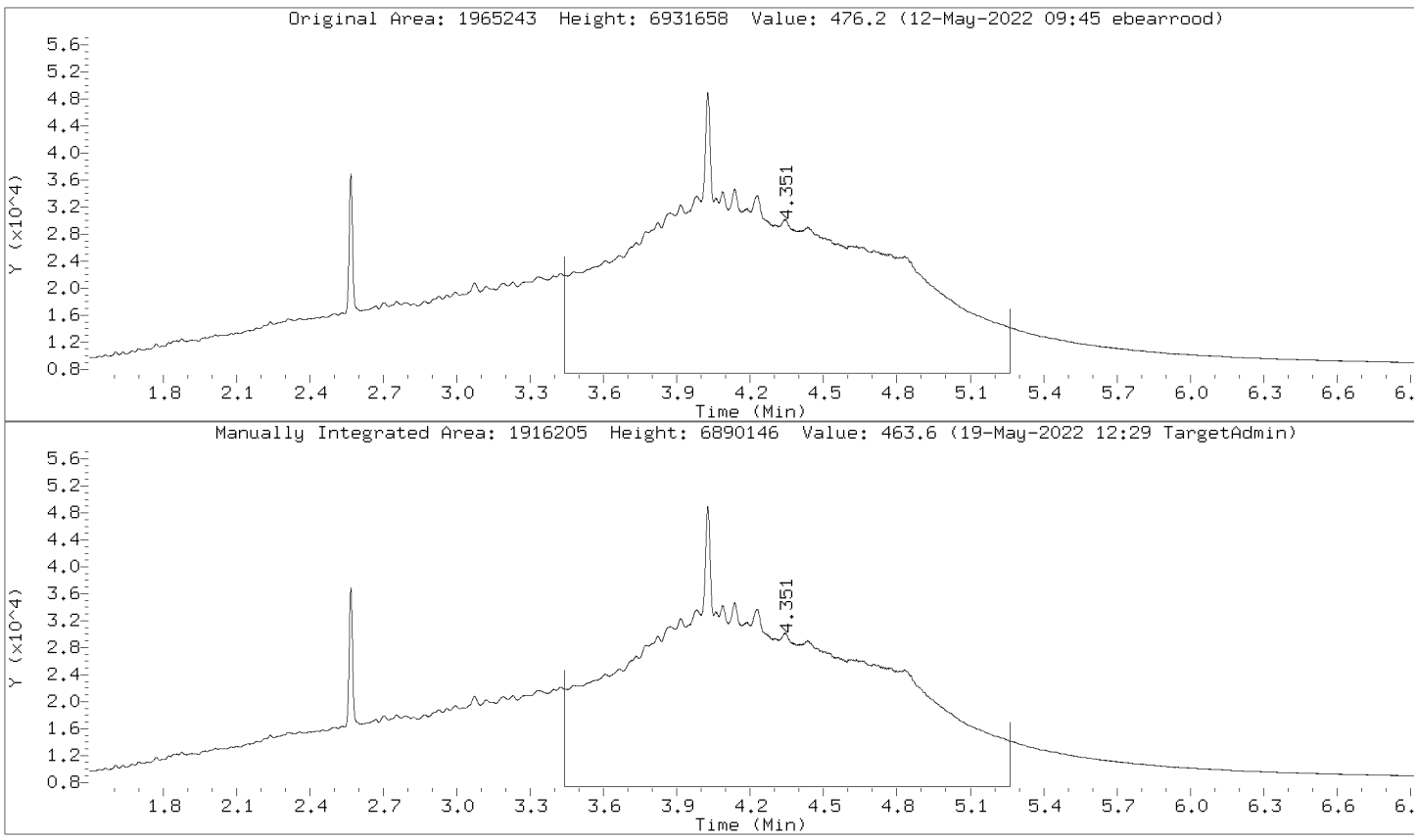
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000065.D
Injection Date: 12-MAY-2022 01:26
Instrument: 10gcsF.i
Lab Sample ID: 10606565003

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



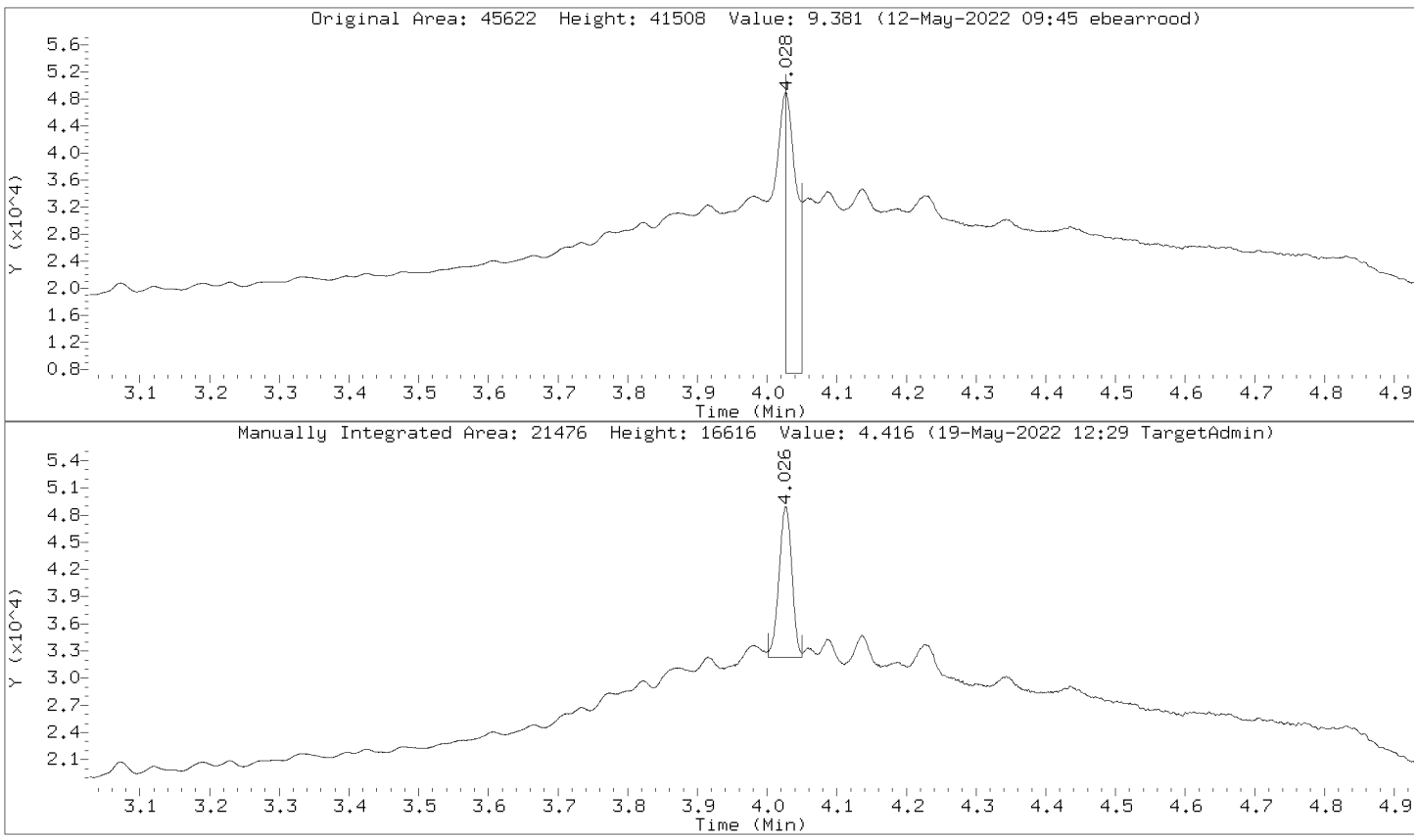
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000065.D
Injection Date: 12-MAY-2022 01:26
Instrument: 10gcsF.i
Lab Sample ID: 10606565003

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



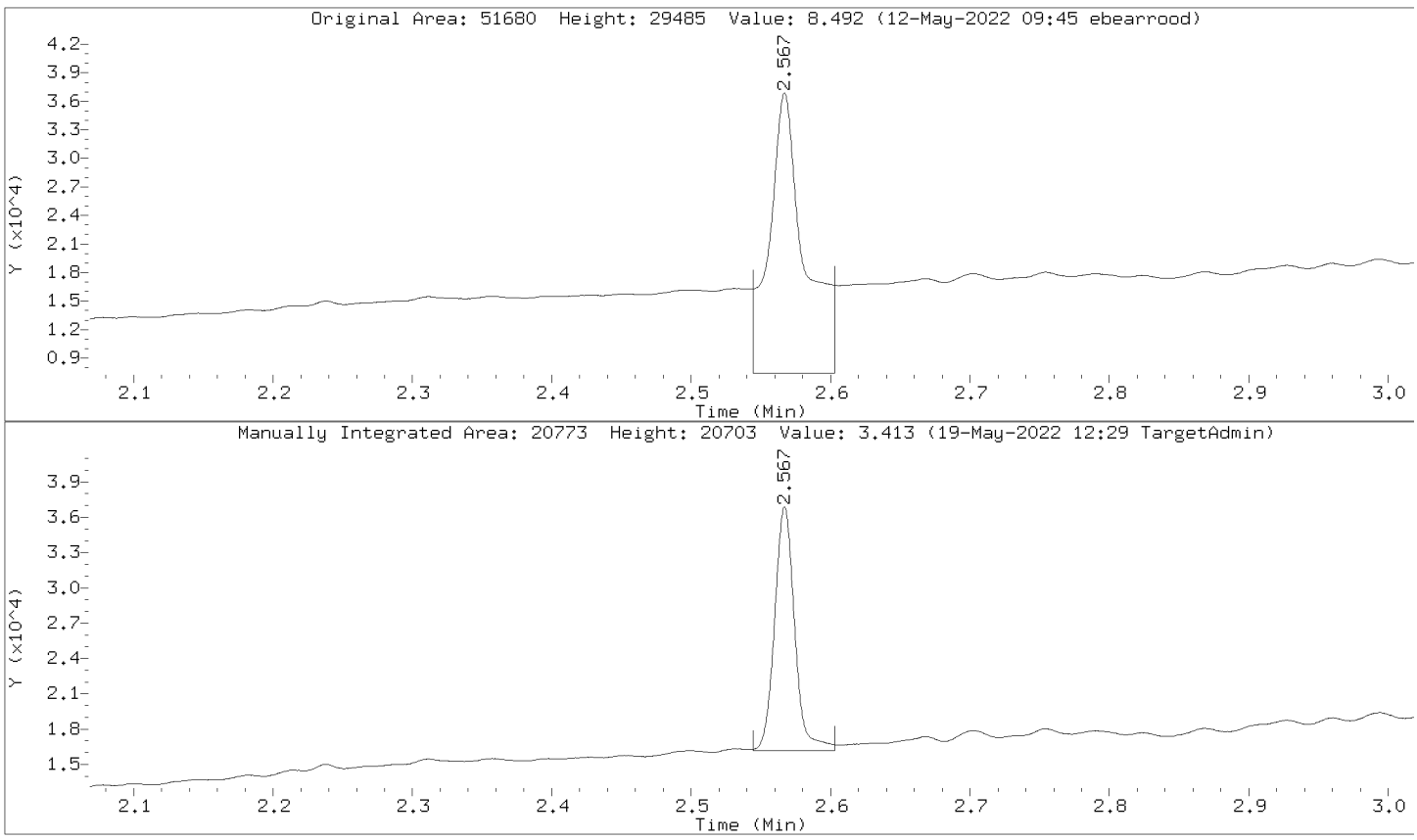
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000065.D
Injection Date: 12-MAY-2022 01:26
Instrument: 10gcsF.i
Lab Sample ID: 10606565003

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000065.D
Injection Date: 12-MAY-2022 01:26
Instrument: 10gcsF.i
Lab Sample ID: 10606565003

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	972857	972857
Motor Oil Range	1965243	1916205
Diesel Fuel Range SG	972857	972857
Motor Oil Range SG	1965243	1916205
n-Triacontane (S)	45622	21476
o-Terphenyl (S)	51680	20773

SAMPLE NO.

BNSF-D160-042822-0-5

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received: 05/02/2022 08:50
Matrix: Solid
SDG No.: 10606565
Date Extracted: 05/03/2022 17:14
Lab Sample ID: 10606565004
Date Analyzed: 05/12/2022 22:56
Lab File ID: 051222F.B\0512F0000048.D
Initial wt/vol: 10.02 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 10GCSF
Percent Moisture: 28.8%

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/kg	Q
68334-30-5	Diesel Fuel Range	52.1	
	Motor Oil Range	215	

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051222F.b\0512F0000048.D
Lab Smp Id: 10606565004 Client Smp ID: BNSF-D160-042822-0-
Inj Date : 12-MAY-2022 22:56
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 10606565004
Misc Info : 39318
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051222F.b\GCSFakNW8015-050922_3928
Meth Date : 13-May-2022 08:46 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 41
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: SOIL
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf*Vt/(Ws*Vi*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Ws	10.020	Weight of the sample extracted (g)
Vi	1.000	Volume Injected (uL)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (mg/Kg)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.569	2.570	-0.001	210236	34.5462	3.45	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.032	4.031	0.001	231853	47.6755	4.76	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		6079136	1533.70	153	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		6079136	1533.91	153	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		1873593	371.666	37.1	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		1873593	371.666	37.1	(M)	RNG

QC Flag Legend

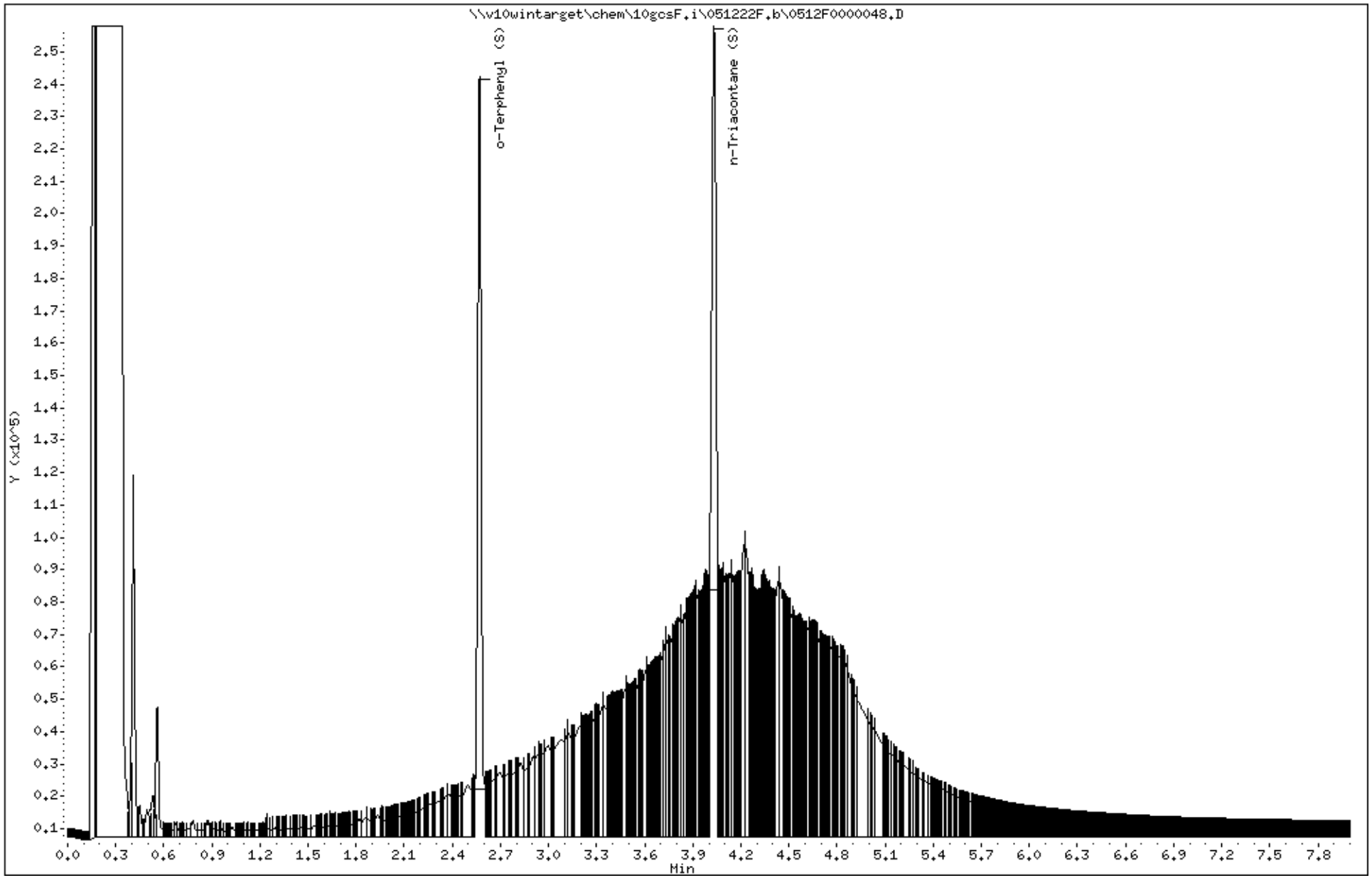
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

Data File: \\v10wintarget\chem\10gcsF.i\051222F.b\0512F0000048.D
Date : 12-MAY-2022 22:56
Client ID: BNSF-D160-042822-0-
Sample Info: 10606565004
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32



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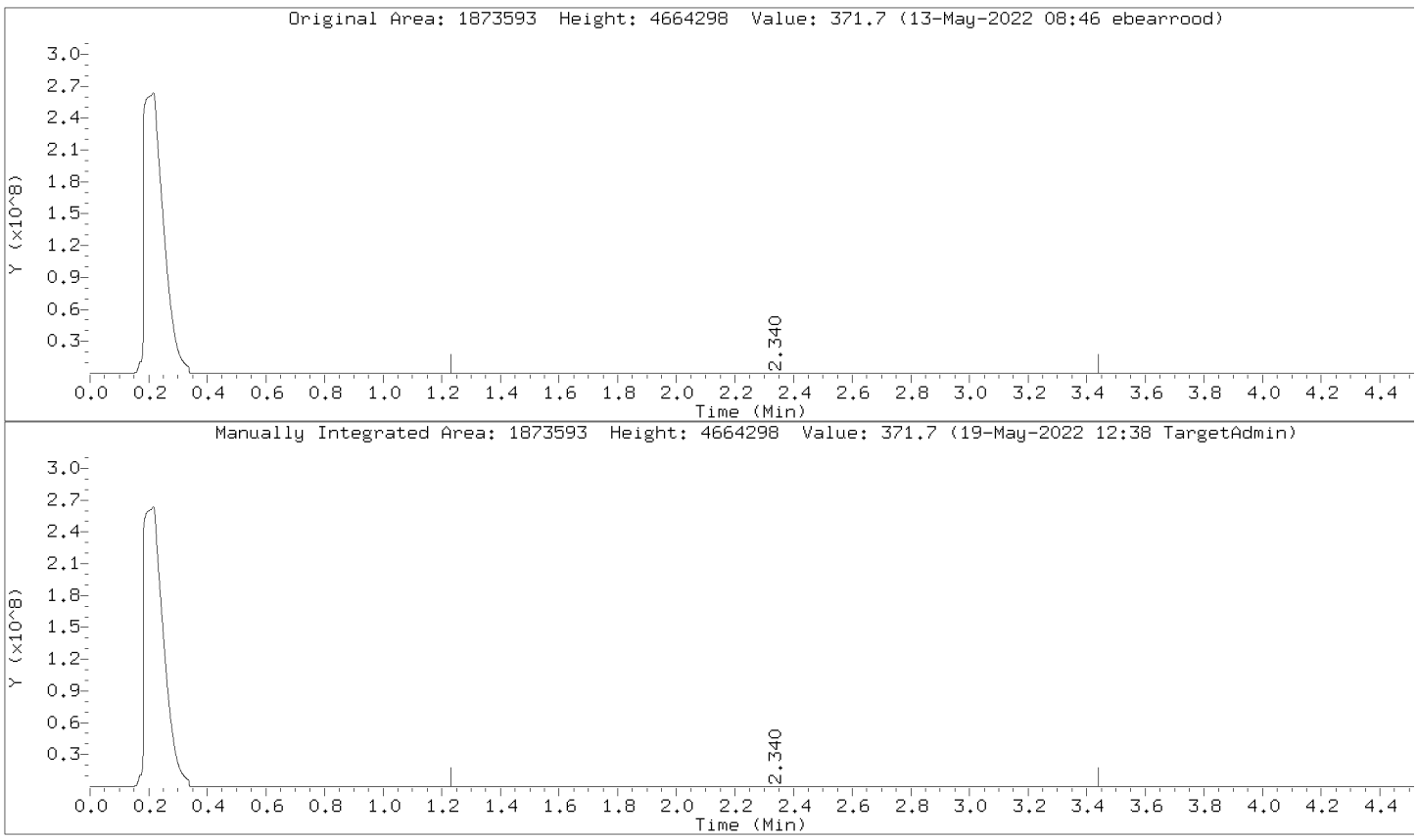
10606565

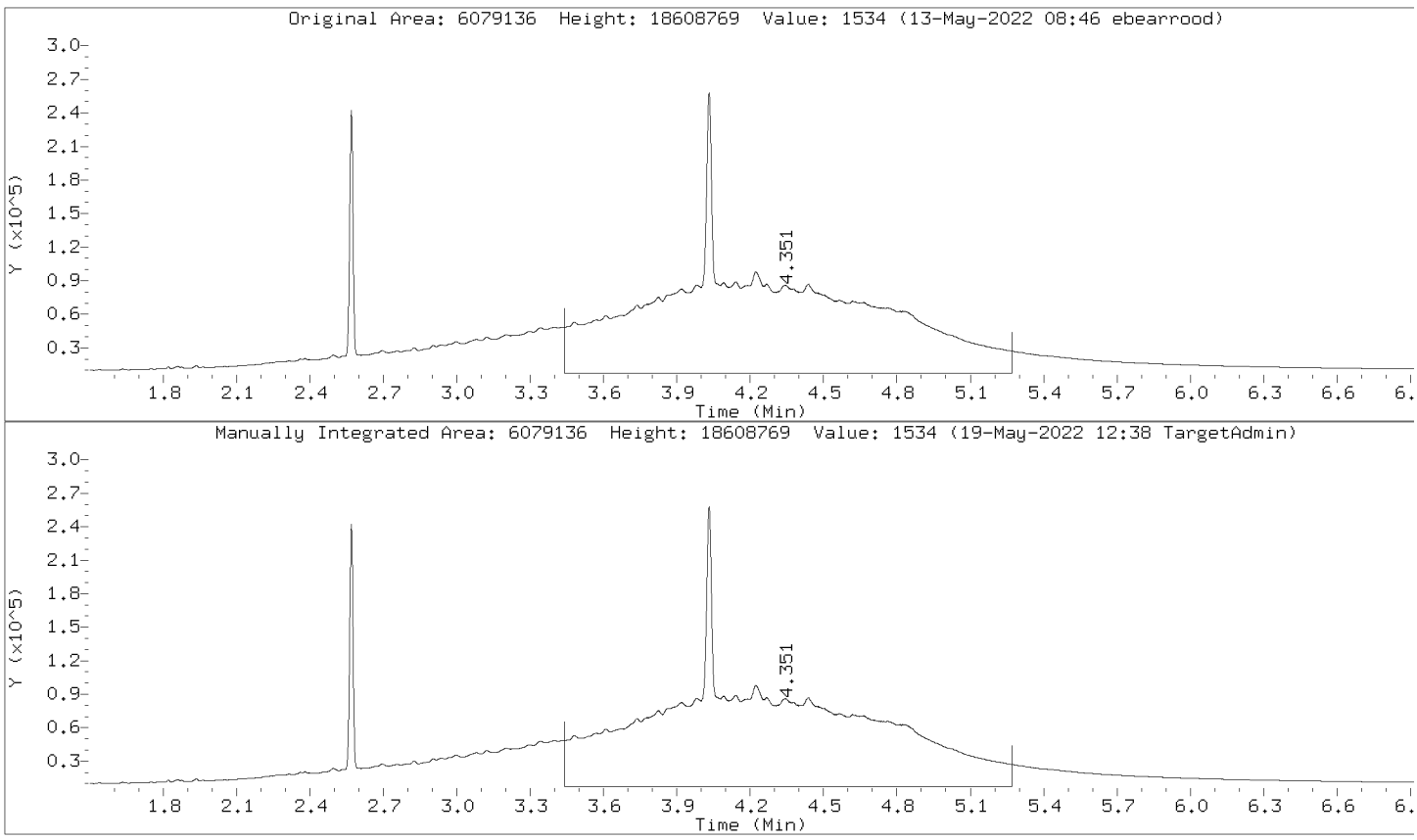
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000048.D
Injection Date: 12-MAY-2022 22:56
Instrument: 10gcsF.i
Lab Sample ID: 10606565004

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



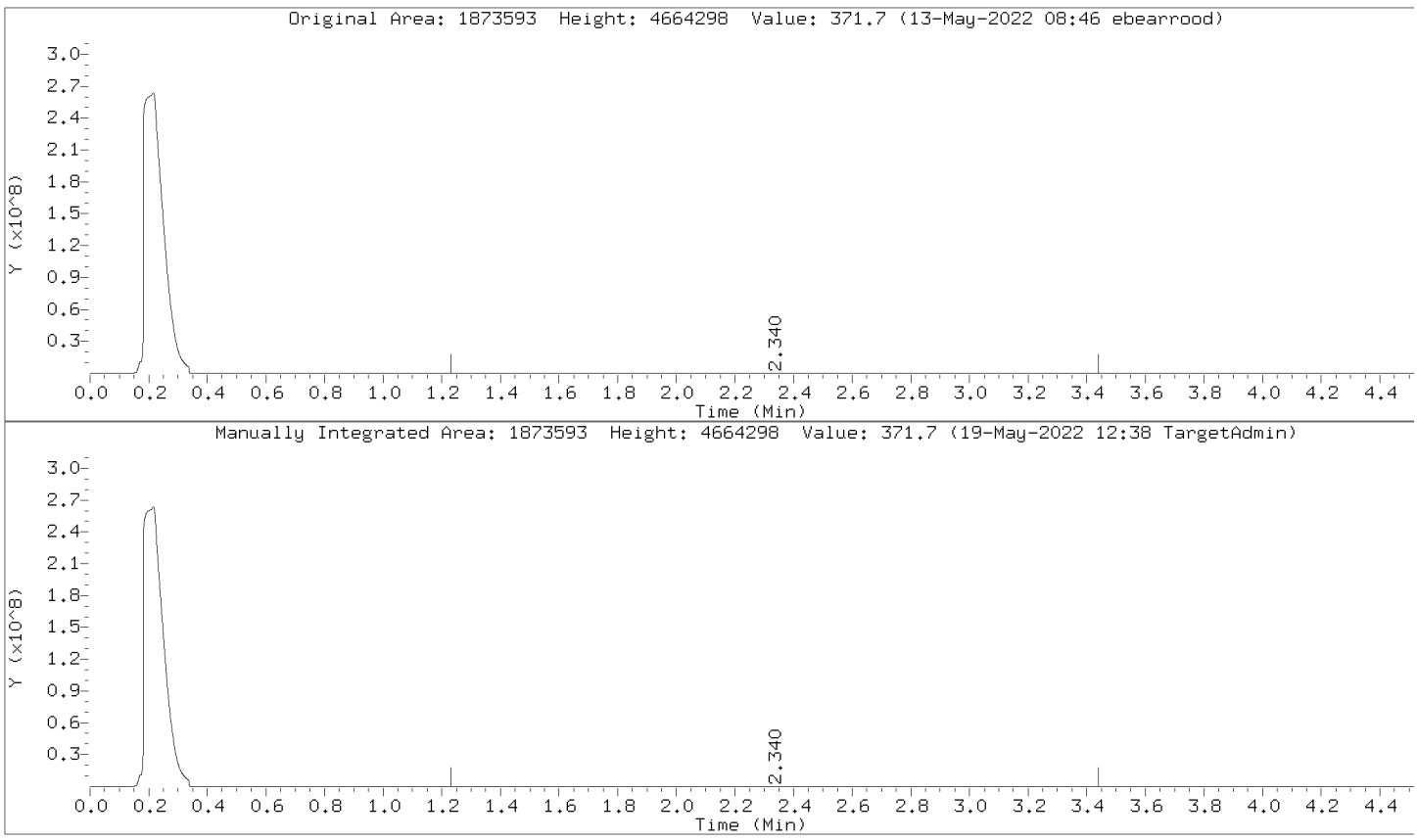
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000048.D
Injection Date: 12-MAY-2022 22:56
Instrument: 10gcsF.i
Lab Sample ID: 10606565004

Compound: Motor Oil Range Review Code: RNG
CAS Number:



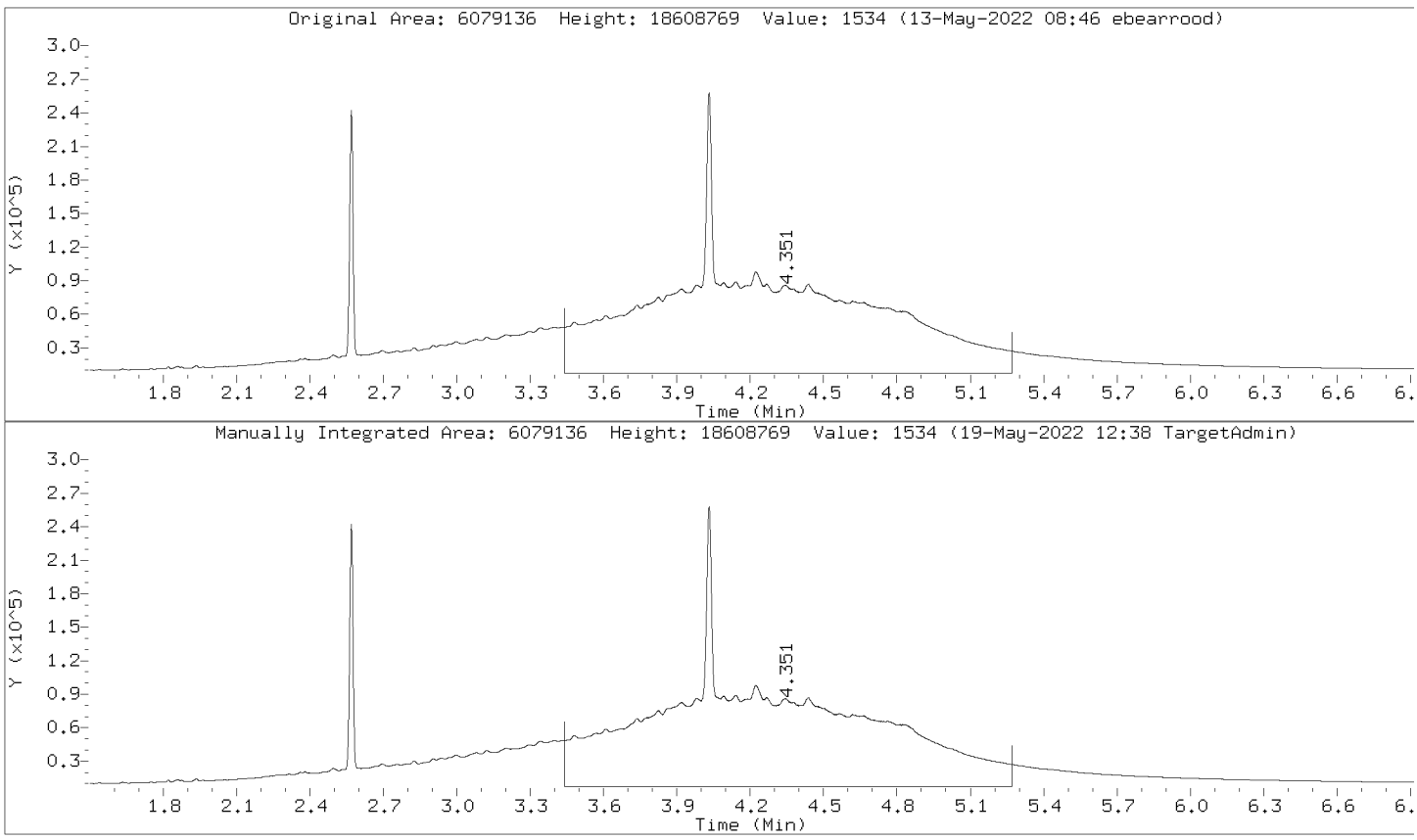
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000048.D
Injection Date: 12-MAY-2022 22:56
Instrument: 10gcsF.i
Lab Sample ID: 10606565004

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



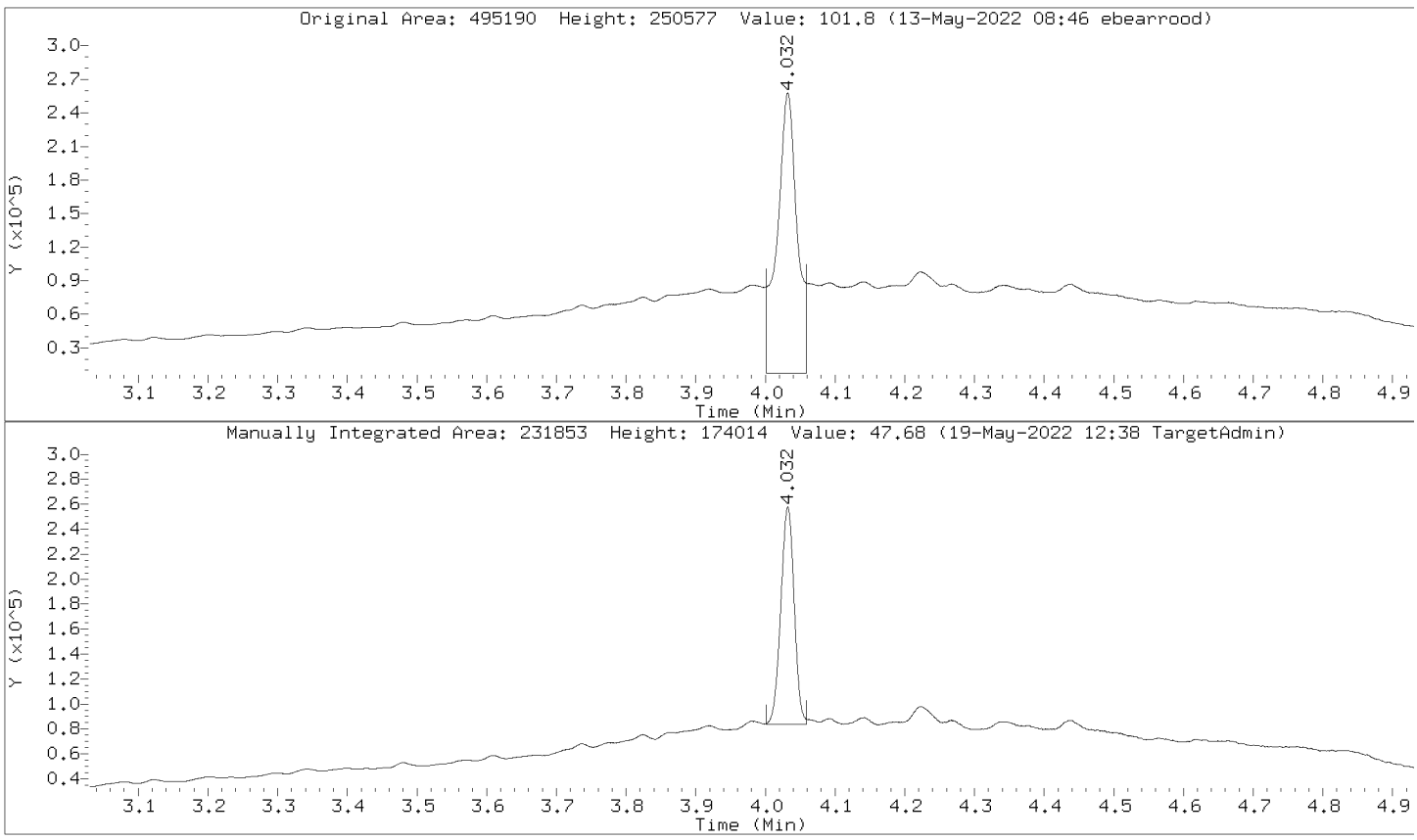
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000048.D
Injection Date: 12-MAY-2022 22:56
Instrument: 10gcsF.i
Lab Sample ID: 10606565004

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



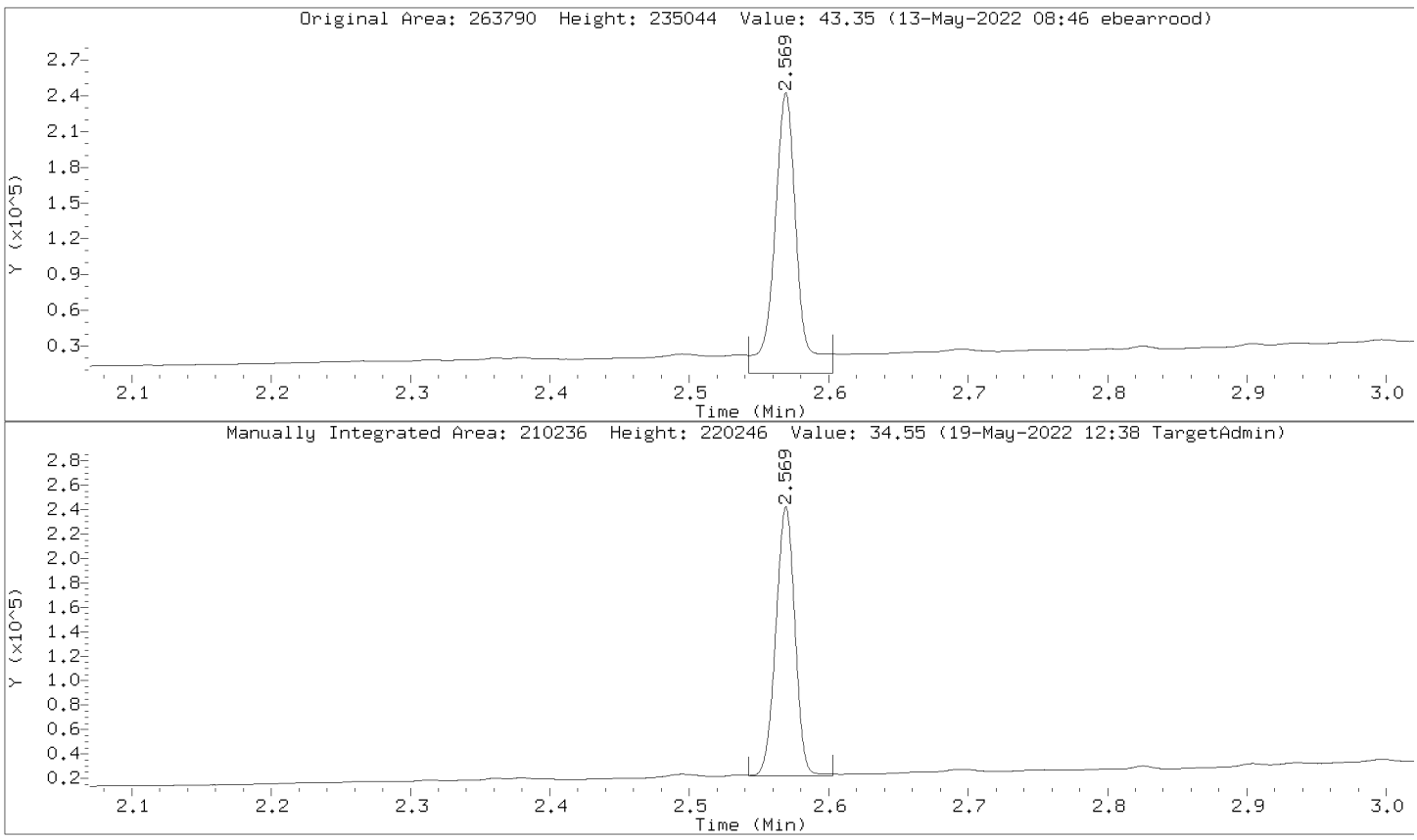
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000048.D
Injection Date: 12-MAY-2022 22:56
Instrument: 10gcsF.i
Lab Sample ID: 10606565004

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000048.D
Injection Date: 12-MAY-2022 22:56
Instrument: 10gcsF.i
Lab Sample ID: 10606565004

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	1873593	1873593
Motor Oil Range	6079136	6079136
Diesel Fuel Range SG	1873593	1873593
Motor Oil Range SG	6079136	6079136
n-Triacontane (S)	495190	231853
o-Terphenyl (S)	263790	210236

SAMPLE NO.

BNSF-E460-042922-0-4

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received: 05/02/2022 08:50
Matrix: Solid
SDG No.: 10606565
Date Extracted: 05/03/2022 17:14
Lab Sample ID: 10606565005
Date Analyzed: 05/12/2022 23:08
Lab File ID: 051222F.B\0512F0000049.D
Initial wt/vol: 10.06 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 10GCSF
Percent Moisture: 37.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/kg	Q
68334-30-5	Diesel Fuel Range	38.8	
	Motor Oil Range	112	

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051222F.b\0512F0000049.D
Lab Smp Id: 10606565005 Client Smp ID: BNSF-E460-042922-0-
Inj Date : 12-MAY-2022 23:08
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 10606565005
Misc Info : 39318
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051222F.b\GCSFakNW8015-050922_3928
Meth Date : 13-May-2022 08:46 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 42
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: SOIL
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf*Vt/(Ws*Vi*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Ws	10.060	Weight of the sample extracted (g)
Vi	1.000	Volume Injected (uL)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (mg/Kg)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.569	2.570	-0.001	184874	30.3787	3.02	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.031	4.031	0.000	227708	46.8231	4.65	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		2835456	699.626	69.5	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		2835456	699.980	69.6	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		1316746	243.111	24.2	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		1316746	243.111	24.2	(M)	RNG

QC Flag Legend

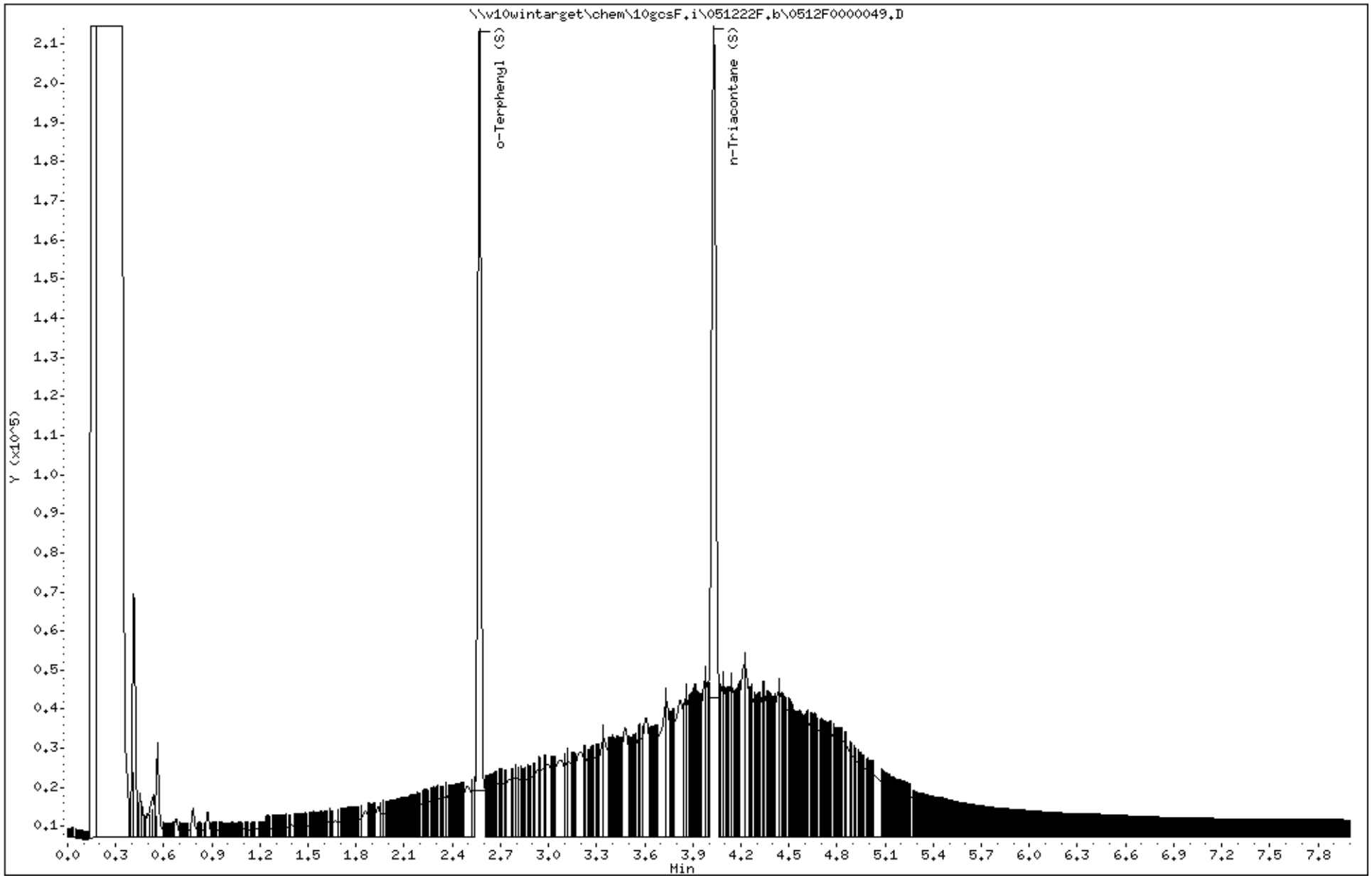
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

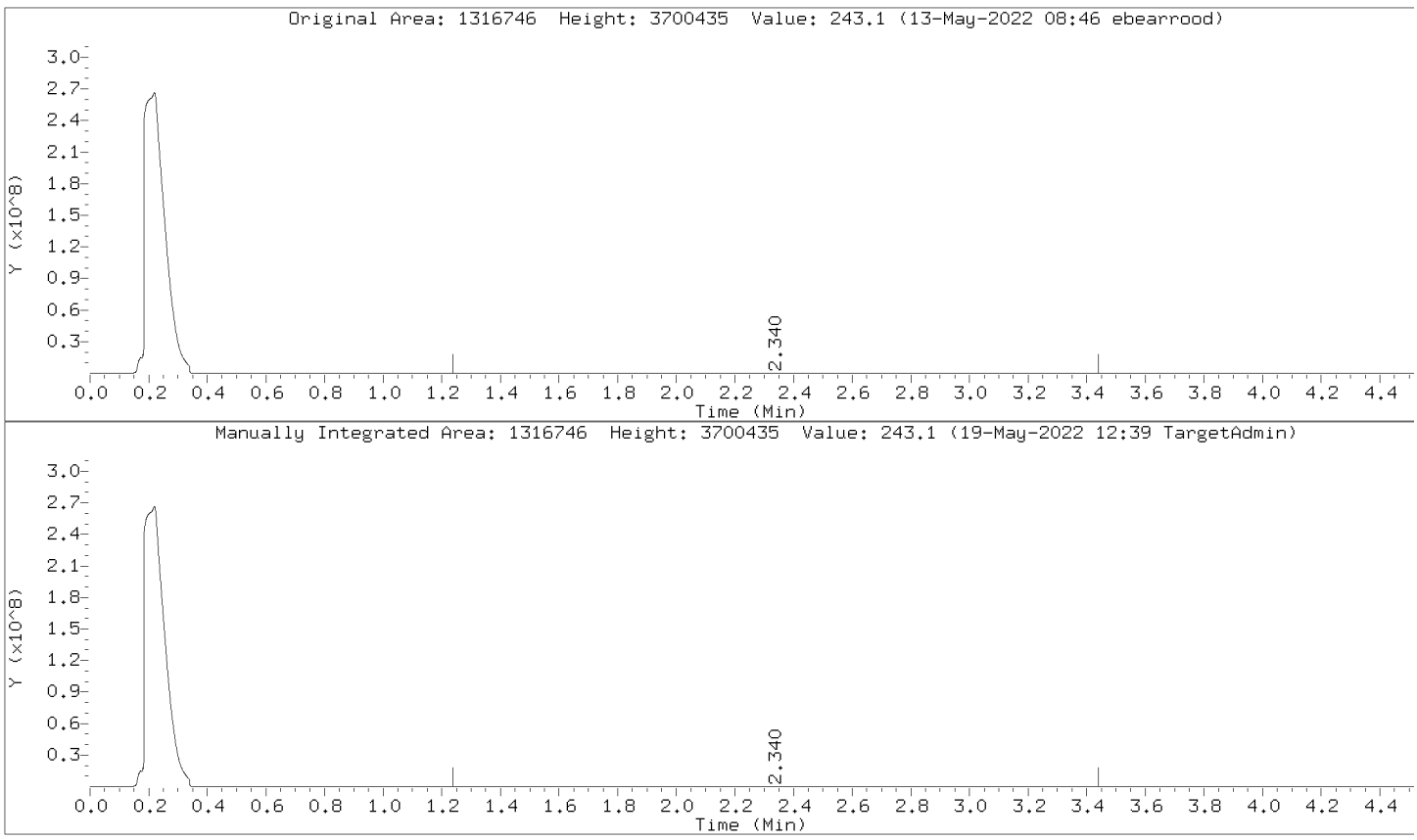
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b\0512F0000049.D
Date : 12-MAY-2022 23:08
Client ID: BNSF-E460-042922-0-
Sample Info: 10606565005
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32



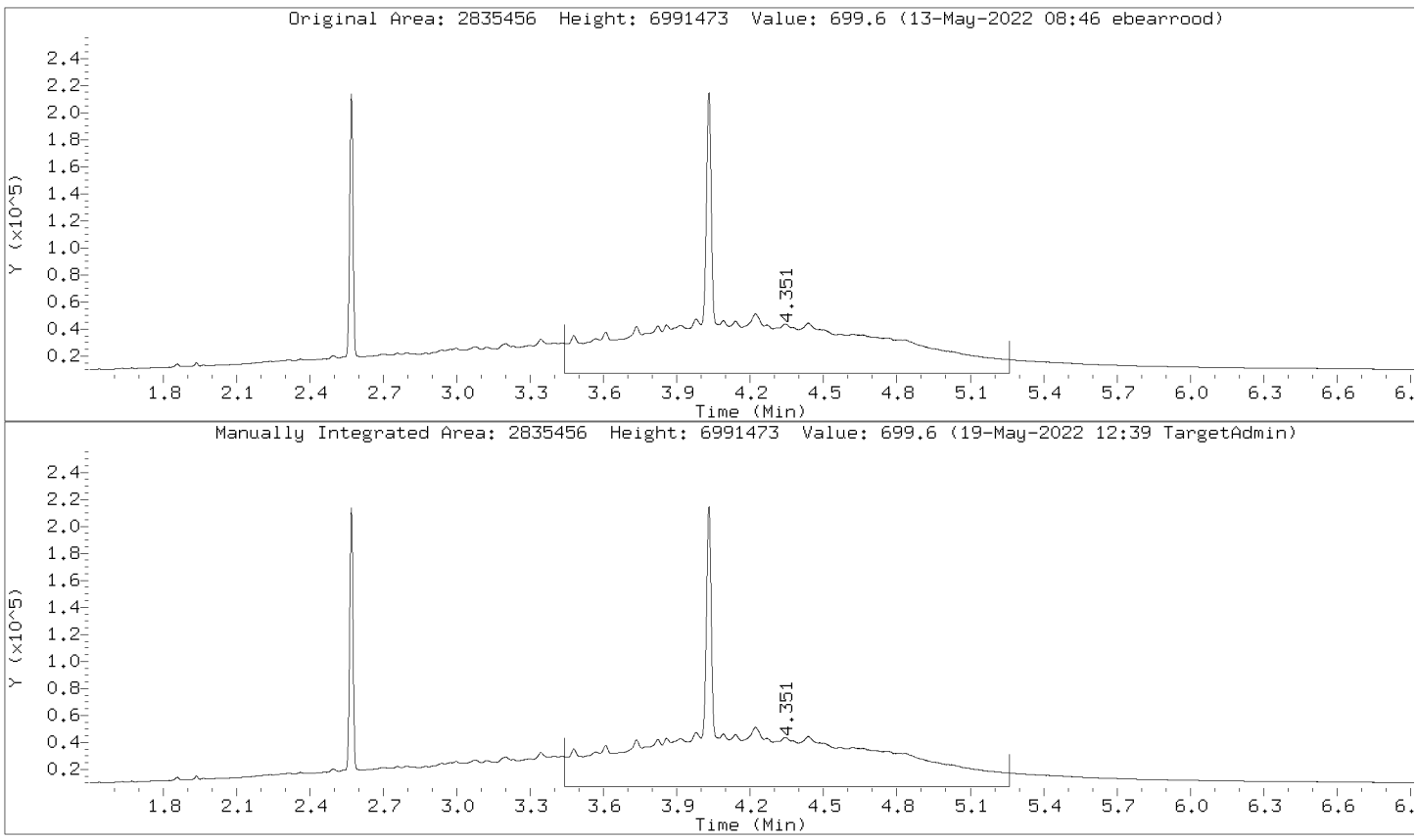
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000049.D
Injection Date: 12-MAY-2022 23:08
Instrument: 10gcsF.i
Lab Sample ID: 10606565005

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



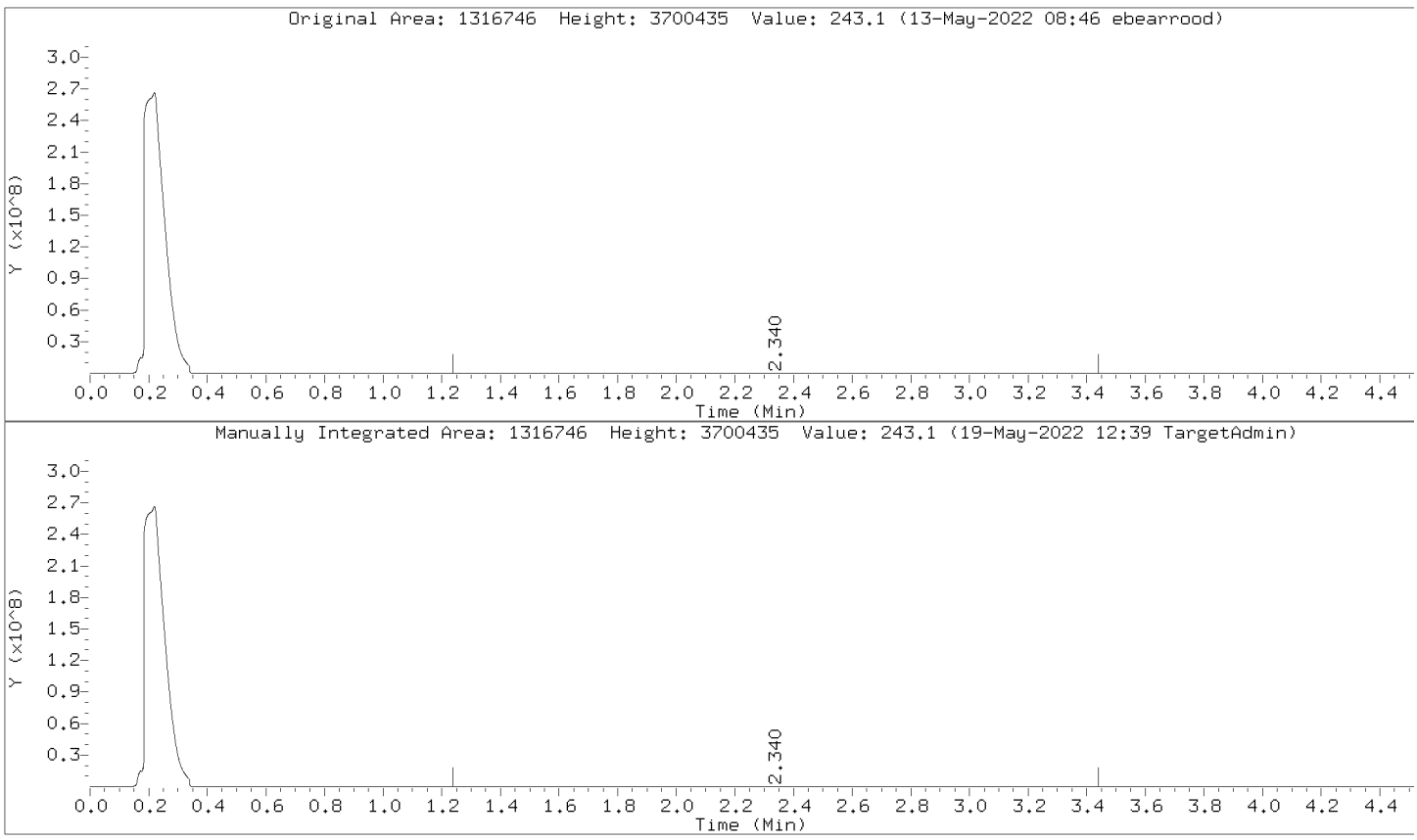
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000049.D
Injection Date: 12-MAY-2022 23:08
Instrument: 10gcsF.i
Lab Sample ID: 10606565005

Compound: Motor Oil Range Review Code: RNG
CAS Number:



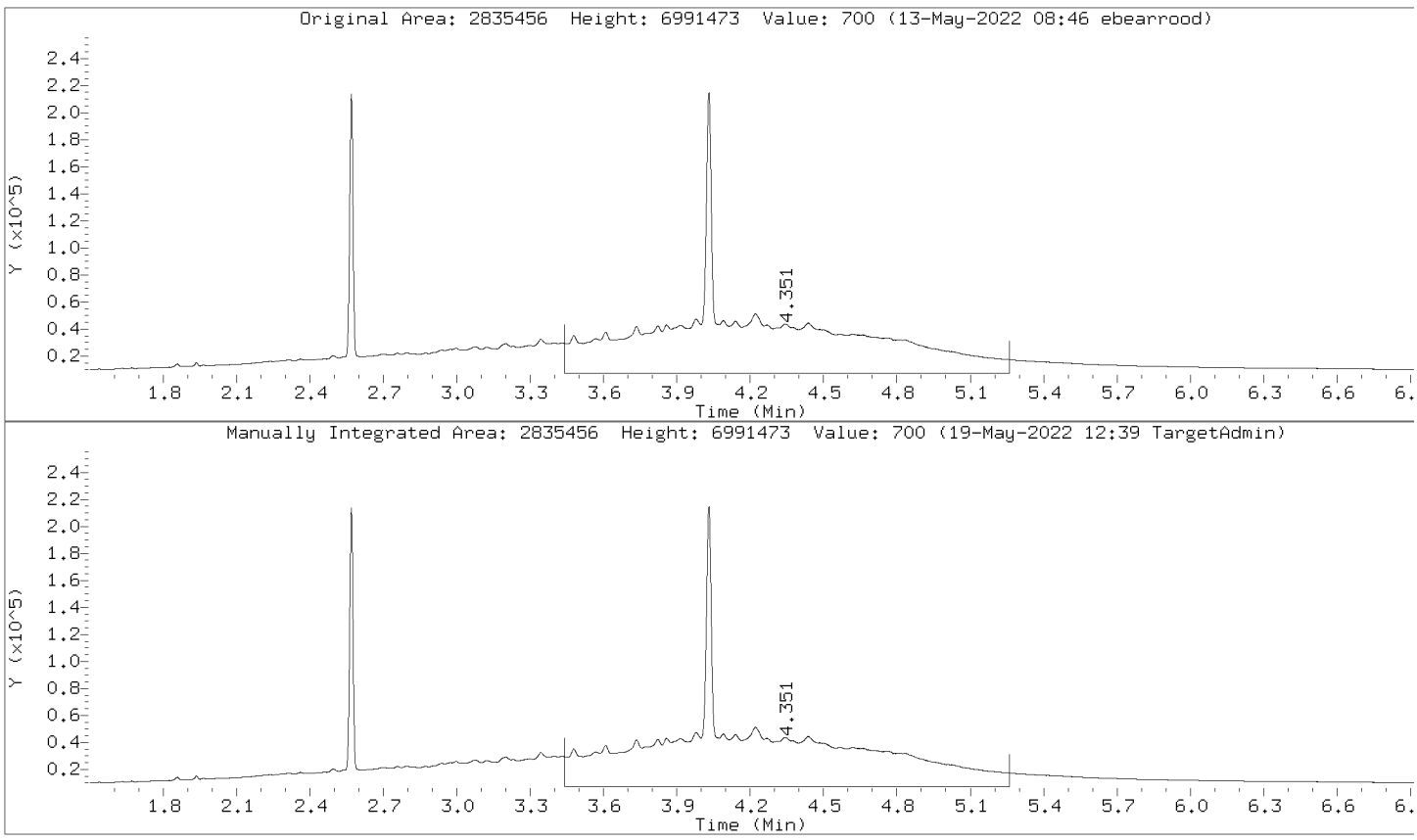
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000049.D
Injection Date: 12-MAY-2022 23:08
Instrument: 10gcsF.i
Lab Sample ID: 10606565005

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



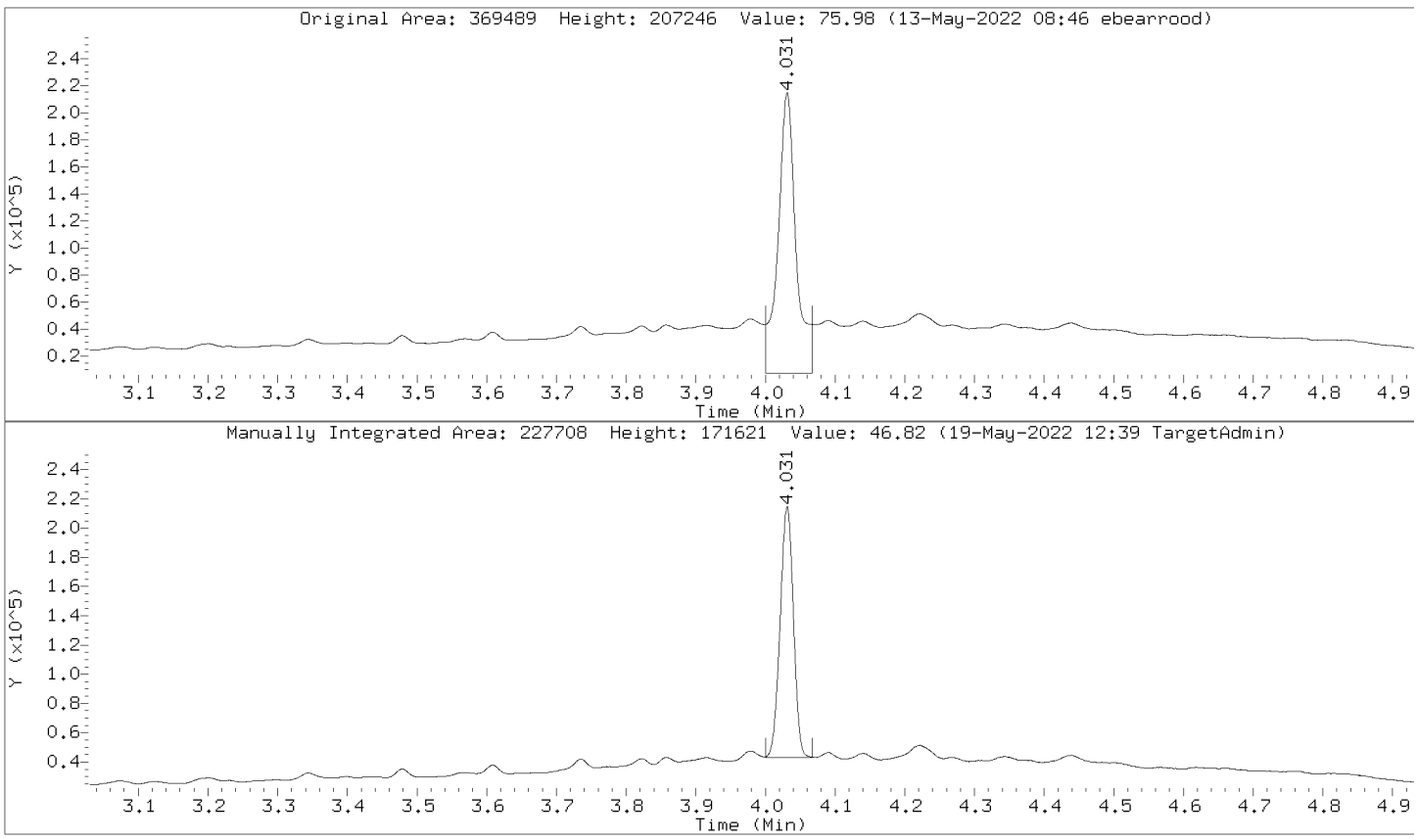
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000049.D
Injection Date: 12-MAY-2022 23:08
Instrument: 10gcsF.i
Lab Sample ID: 10606565005

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



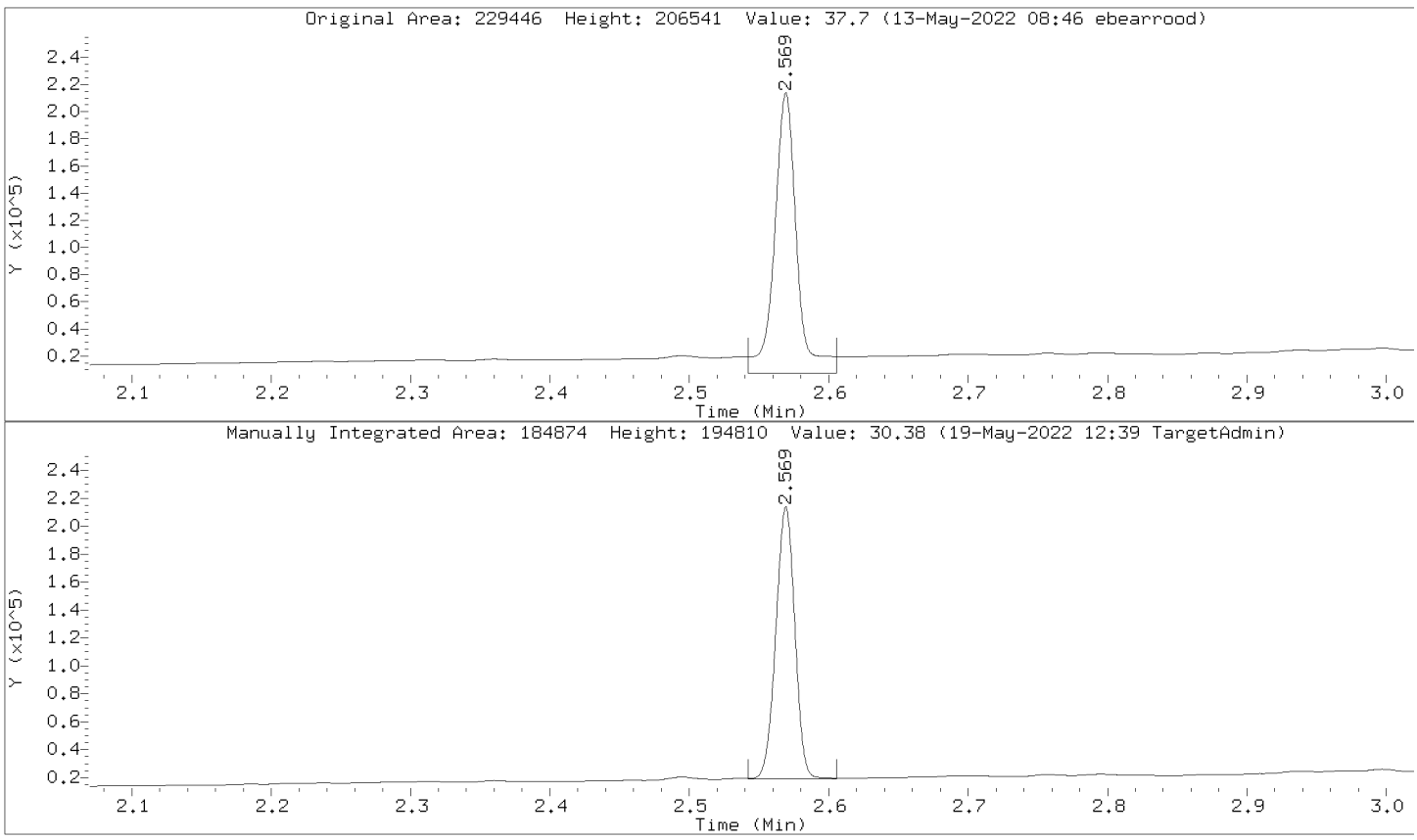
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000049.D
Injection Date: 12-MAY-2022 23:08
Instrument: 10gcsF.i
Lab Sample ID: 10606565005

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000049.D
Injection Date: 12-MAY-2022 23:08
Instrument: 10gcsF.i
Lab Sample ID: 10606565005

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	1316746	1316746
Motor Oil Range	2835456	2835456
Diesel Fuel Range SG	1316746	1316746
Motor Oil Range SG	2835456	2835456
n-Triacontane (S)	369489	227708
o-Terphenyl (S)	229446	184874

SAMPLE NO.

BNSF-H360-042922-0-8

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received: 05/02/2022 08:50
Matrix: Solid
SDG No.: 10606565
Date Extracted: 05/03/2022 17:14
Lab Sample ID: 10606565006
Date Analyzed: 05/12/2022 23:19
Lab File ID: 051222F.B\0512F0000050.D
Initial wt/vol: 10.08 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 10GCSF
Percent Moisture: 31.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/kg	Q
68334-30-5	Diesel Fuel Range	31.0	
	Motor Oil Range	107	

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051222F.b\0512F0000050.D
Lab Smp Id: 10606565006 Client Smp ID: BNSF-H360-042922-0-
Inj Date : 12-MAY-2022 23:19
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 10606565006
Misc Info : 39318
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051222F.b\GCSFakNW8015-050922_3928
Meth Date : 13-May-2022 08:46 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 43
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: SOIL
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf*Vt/(Ws*Vi*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Ws	10.080	Weight of the sample extracted (g)
Vi	1.000	Volume Injected (uL)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (mg/Kg)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.569	2.570	-0.001	202746	33.3155	3.30	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.031	4.031	0.000	221456	45.5375	4.52	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		2985759	738.275	73.2	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		2985759	738.621	73.3	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		1188708	213.551	21.2	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		1188708	213.551	21.2	(M)	RNG

QC Flag Legend

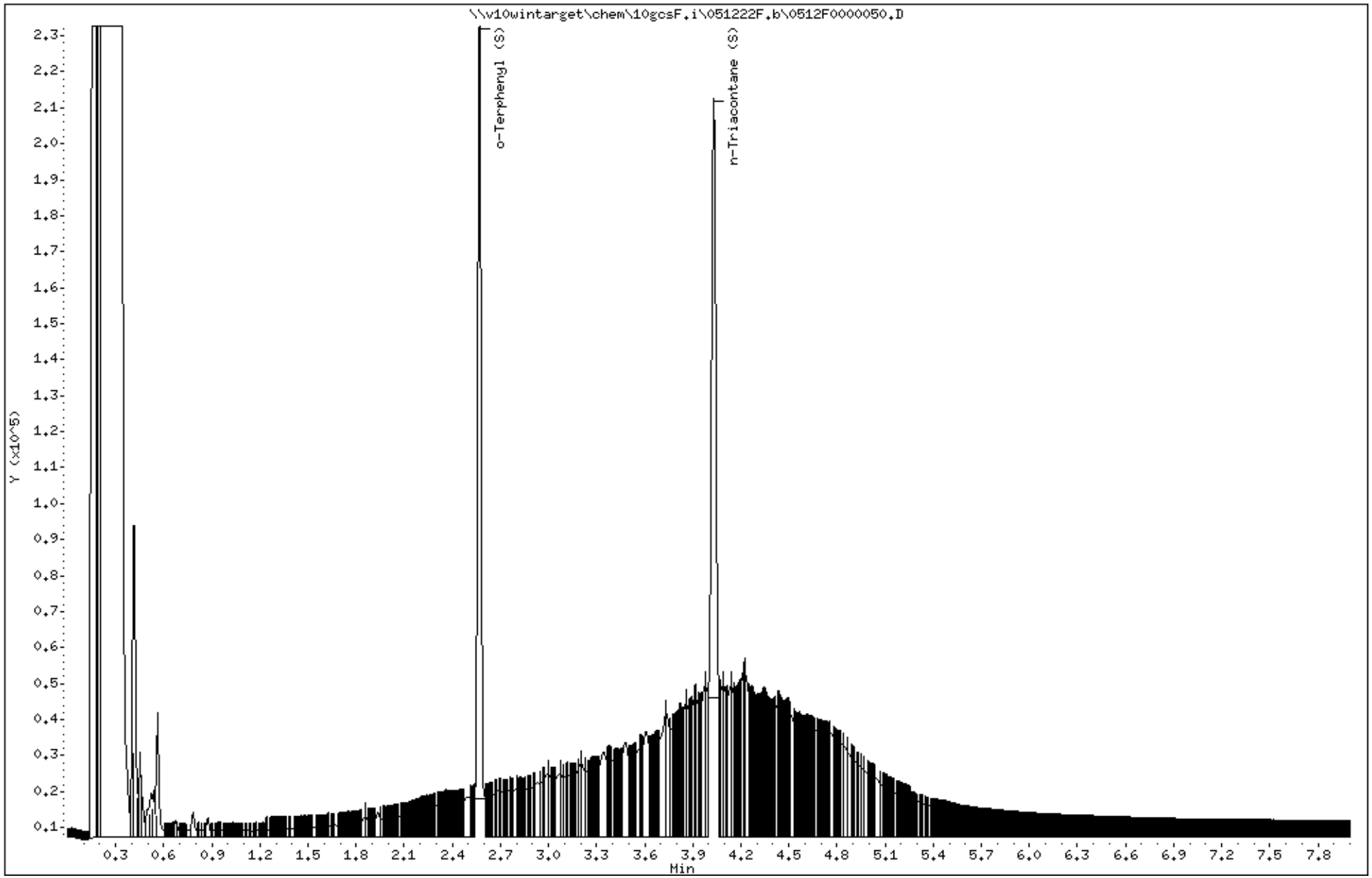
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

Data File: \\v10wintarget\chem\10gcsF.i\051222F.b\0512F0000050.D
Date : 12-MAY-2022 23:19
Client ID: BNSF-H360-042922-0-
Sample Info: 10606565006
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32



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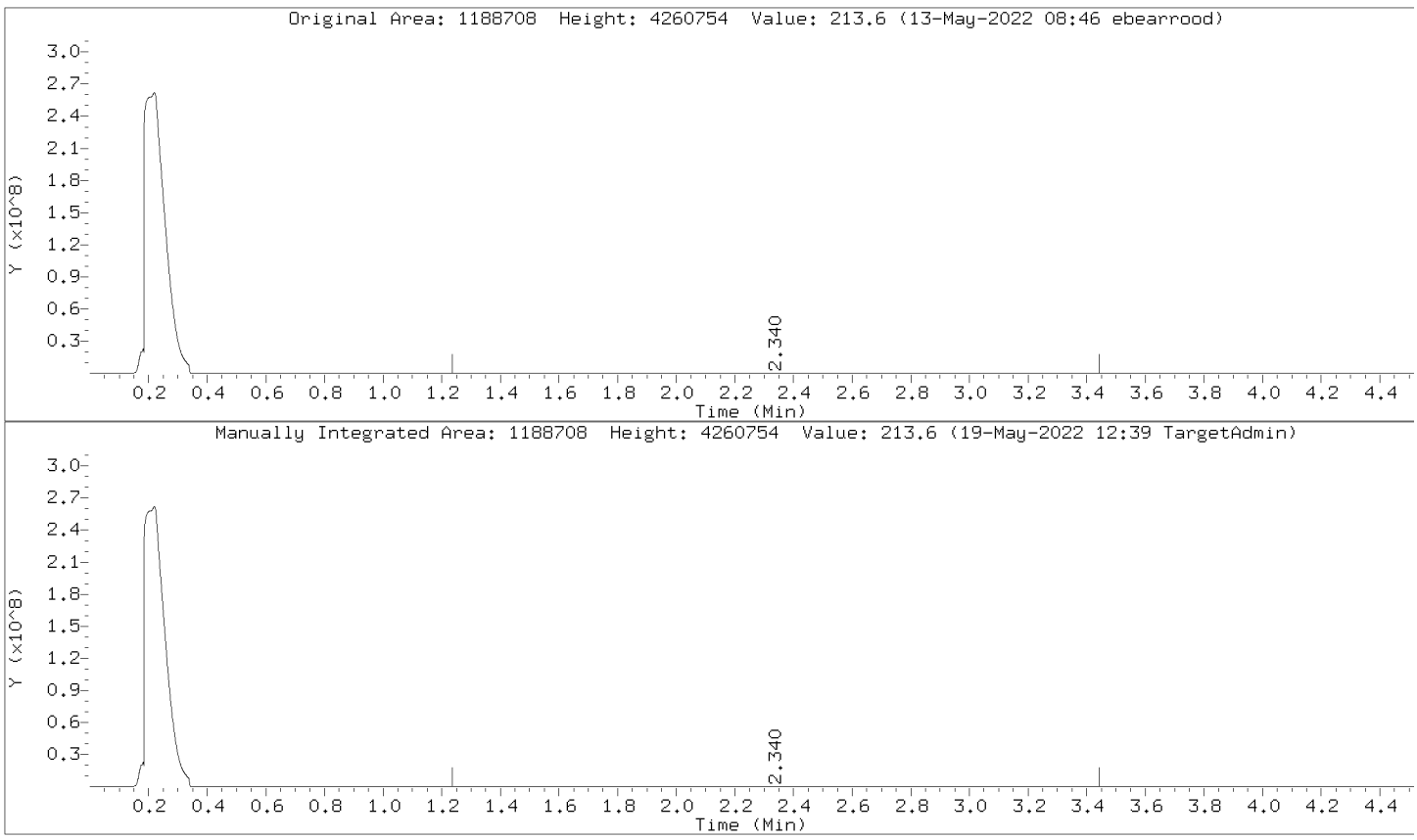
59 of 723
10606565

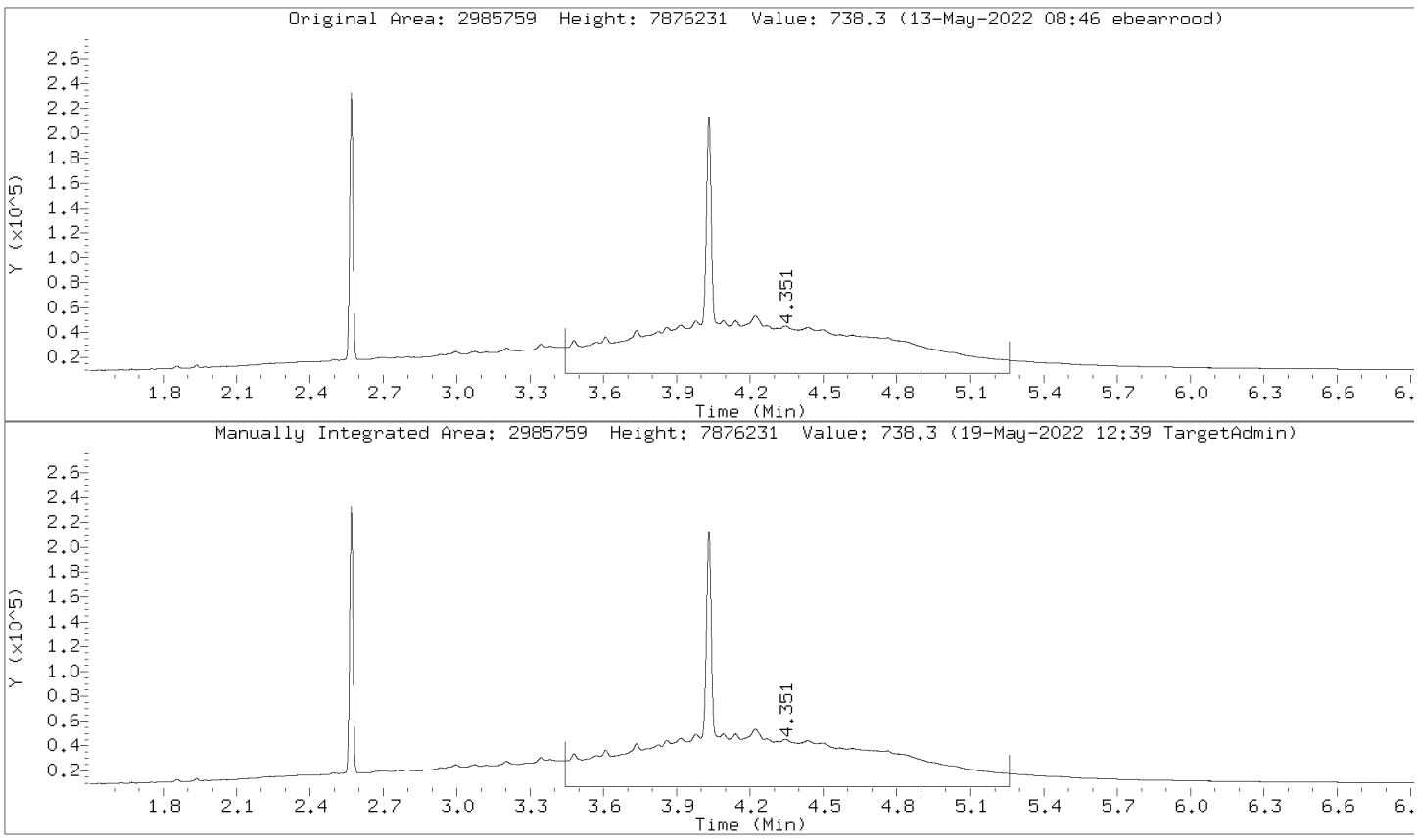
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000050.D
Injection Date: 12-MAY-2022 23:19
Instrument: 10gcsF.i
Lab Sample ID: 10606565006

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



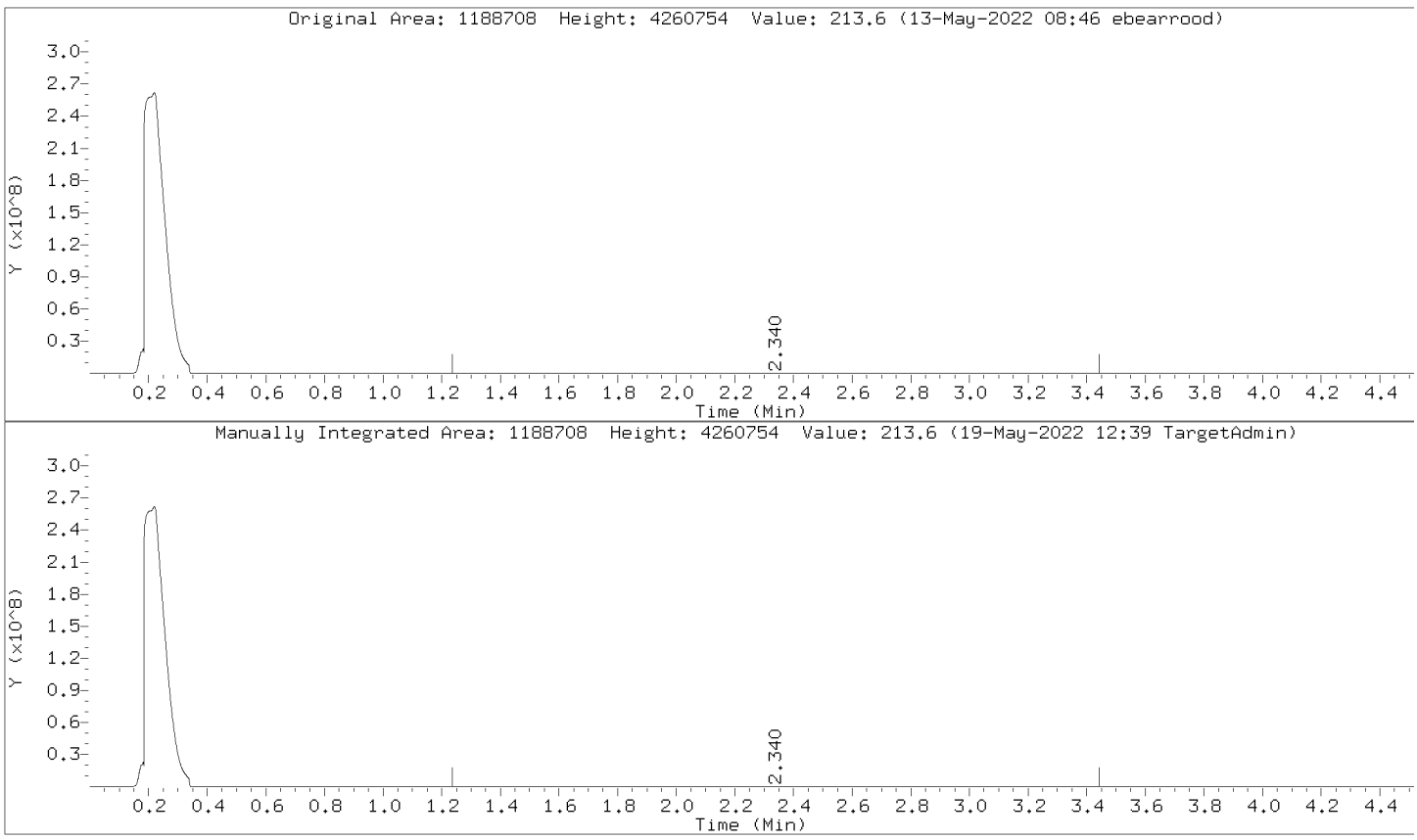
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000050.D
Injection Date: 12-MAY-2022 23:19
Instrument: 10gcsF.i
Lab Sample ID: 10606565006

Compound: Motor Oil Range Review Code: RNG
CAS Number:



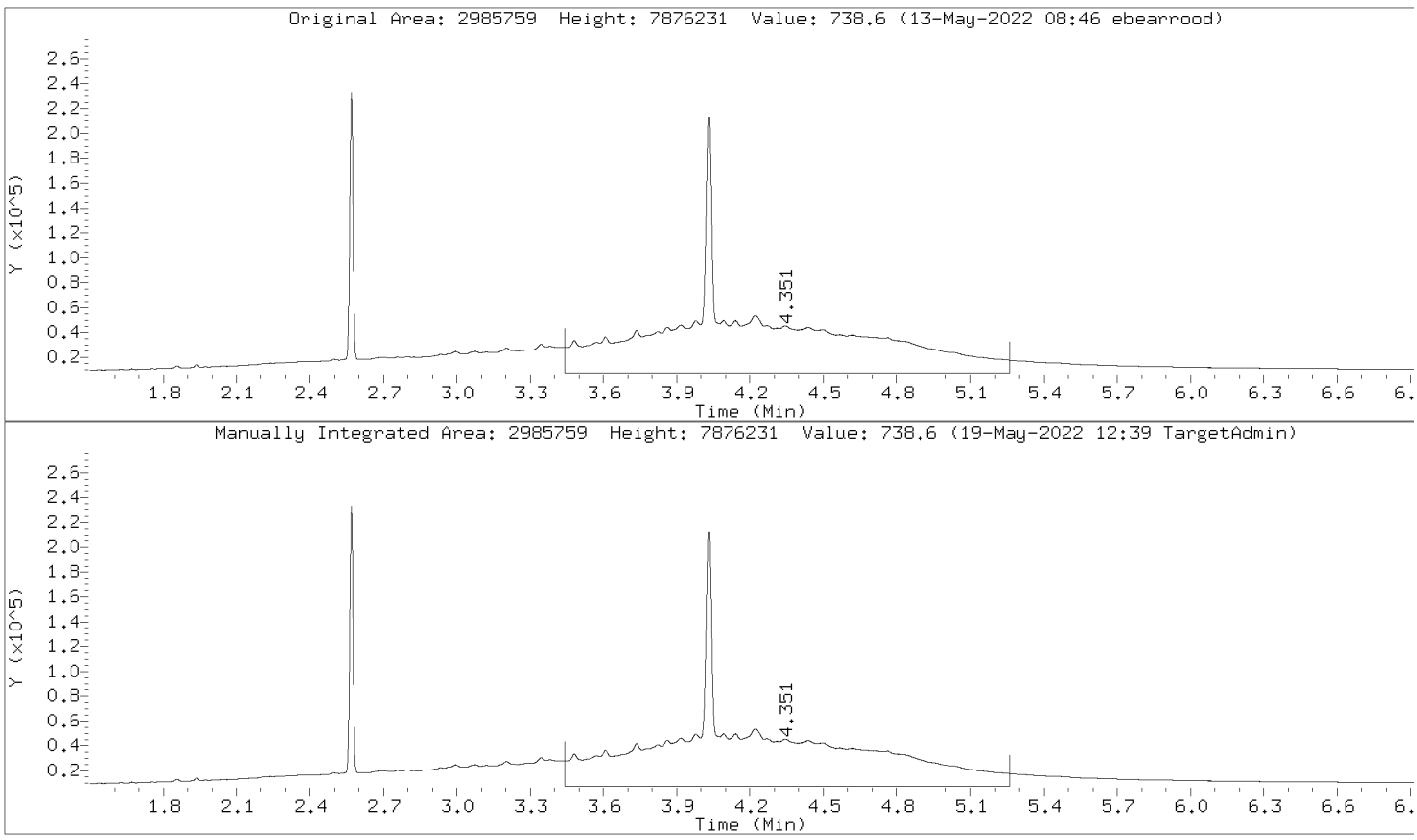
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000050.D
Injection Date: 12-MAY-2022 23:19
Instrument: 10gcsF.i
Lab Sample ID: 10606565006

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



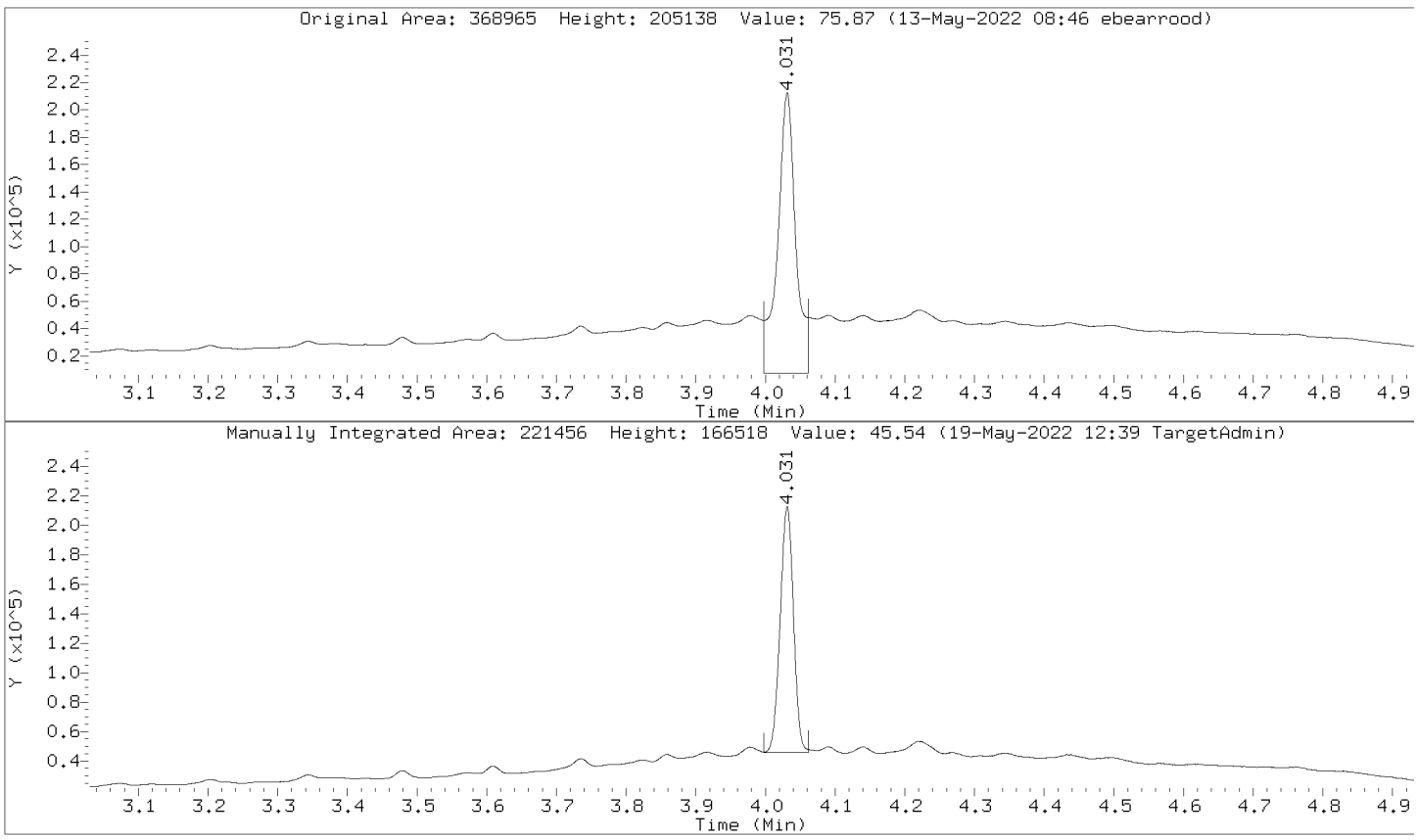
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000050.D
Injection Date: 12-MAY-2022 23:19
Instrument: 10gcsF.i
Lab Sample ID: 10606565006

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



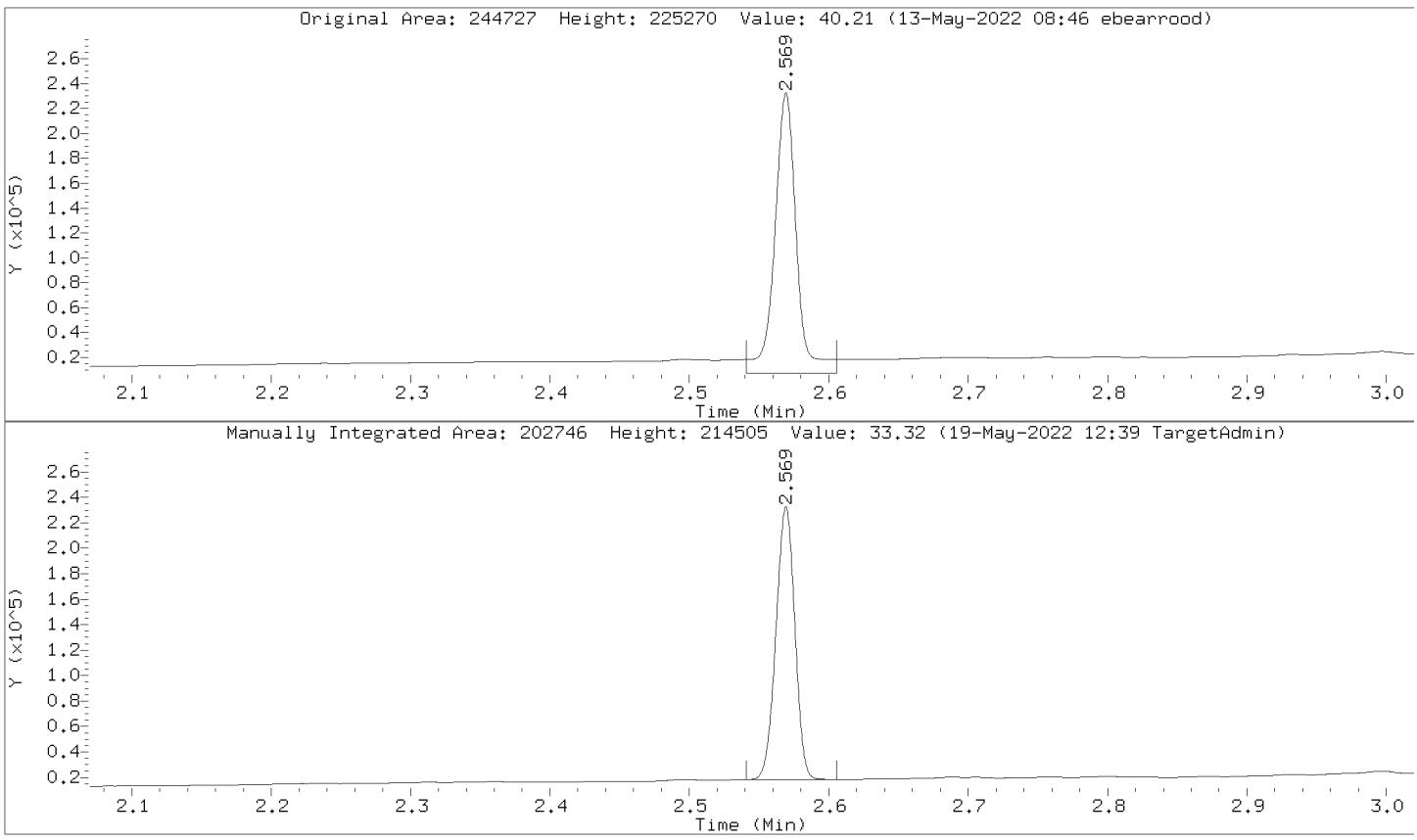
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000050.D
Injection Date: 12-MAY-2022 23:19
Instrument: 10gcsF.i
Lab Sample ID: 10606565006

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000050.D
Injection Date: 12-MAY-2022 23:19
Instrument: 10gcsF.i
Lab Sample ID: 10606565006

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	1188708	1188708
Motor Oil Range	2985759	2985759
Diesel Fuel Range SG	1188708	1188708
Motor Oil Range SG	2985759	2985759
n-Triacontane (S)	368965	221456
o-Terphenyl (S)	244727	202746

GC-FID DRO - FORM VI SVOA-1
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10GCSF GC Column: FID SDG No.: 10606565

Calibration Date(s): 05/09/2022 05/09/2022 Calibration Time(s): 15:31 17:04

LAB FILE ID

CAL2 = 050922F.B\0509F0000025.D CAL3 = 050922F.B\0509F0000026.D CAL4 = 050922F.B\0509F0000027.D
CAL5 = 050922F.B\0509F0000028.D CAL6 = 050922F.B\0509F0000029.D CAL7 = 050922F.B\0509F0000030.D
CAL8 = 050922F.B\0509F0000031.D CAL9 = 050922F.B\0509F0000032.D CAL10 = 050922F.B\0509F0000033.D

COMPOUND	CURVE TYPE	CAL2	CAL3	CAL4	CAL5	CAL6	CAL7
Diesel Fuel Range	Linear	26626.5000	13684.0800	8972.0000	6745.3200	5367.3880	4932.6900
Motor Oil Range	Linear	13188.4000	8188.1600	5792.1400	4949.4600	4343.8560	4130.8680
n-Triacontane (S)	Averaged	4905.0000	5039.2000	4954.2000	4885.7000	4837.3600	4838.6400
o-Terphenyl (S)	Averaged	6519.0000	6256.4000	6082.2000	6043.5000	5907.1200	5904.8600

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

GC-FID DRO - FORM VI SVOA-2
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10GCSF GC Column: FID SDG No.: 10606565

Calibration Date(s): 05/09/2022 05/09/2022 Calibration Time(s): 15:31 17:04

LAB FILE ID

CAL2 = 050922F.B\0509F0000025.D CAL3 = 050922F.B\0509F0000026.D CAL4 = 050922F.B\0509F0000027.D

CAL5 = 050922F.B\0509F0000028.D CAL6 = 050922F.B\0509F0000029.D CAL7 = 050922F.B\0509F0000030.D

CAL8 = 050922F.B\0509F0000031.D CAL9 = 050922F.B\0509F0000032.D CAL10 = 050922F.B\0509F0000033.D

COMPOUND	CURVE TYPE	CAL8	CAL9	CAL10
Diesel Fuel Range	Linear	4693.5700	4485.2455	4385.1072
Motor Oil Range	Linear	3996.9180	4002.9135	3903.8372
n-Triacontane (S)	Averaged	4833.5200	4746.1350	4728.6100
o-Terphenyl (S)	Averaged	5888.9700	6091.3050	6077.4225

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

GC-FID DRO - FORM VI SVOA-3
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Instrument ID: 10GCSF GC Column: FID SDG No.: 10606565

Calibration Date(s): 05/09/2022 05/09/2022 Calibration Time(s): 15:31 17:04

LAB FILE ID

CAL2 = 050922F.B\0509F0000025.D CAL3 = 050922F.B\0509F0000026.D CAL4 = 050922F.B\0509F0000027.D

CAL5 = 050922F.B\0509F0000028.D CAL6 = 050922F.B\0509F0000029.D CAL7 = 050922F.B\0509F0000030.D

CAL8 = 050922F.B\0509F0000031.D CAL9 = 050922F.B\0509F0000032.D CAL10 = 050922F.B\0509F0000033.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Diesel Fuel Range	Linear		0.99993	263699.280	4331.55482	
Motor Oil Range	Linear		0.99992	114634.240	3888.96343	
n-Triacontane (S)	Averaged	1.99736			4863.15167	
o-Terphenyl (S)	Averaged	3.29707			6085.64194	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000003.D
Lab Smp Id: DMO-RTM,362402:2 Client Smp ID: DMO-RTM,362402:2
Inj Date : 09-MAY-2022 10:14
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-rtm,362402:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10SVOA-TT

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
Compound Not Detected.							
$ 2 o-Terphenyl (S)					CAS #:		
2.559	2.565	-0.006	7	0.00423	0.00423		(R)
$ 3 n-Triacontane (S)					CAS #:		
4.021	4.017	0.004	26	0.02406	0.0241		(R)
S 4 Residual Range Organics AK103					CAS #:		
Compound Not Detected.							
S 5 TPH-DRO (C10-C28)					CAS #:		
Compound Not Detected.							
S 6 Motor Oil Range (C24-C36)					CAS #:		
Compound Not Detected.							
S 7 C10-C36					CAS #:		
Compound Not Detected.							

				CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/mL)	
RT	EXP RT	DLT RT	RESPONSE			REVIEW CODE
S 8 Diesel Fuel Range					CAS #:	

Compound Not Detected.

S 9 Diesel Fuel Range SG					CAS #:	

Compound Not Detected.

S 10 Motor Oil Range					CAS #:	

Compound Not Detected.

S 11 Motor Oil Range SG					CAS #:	

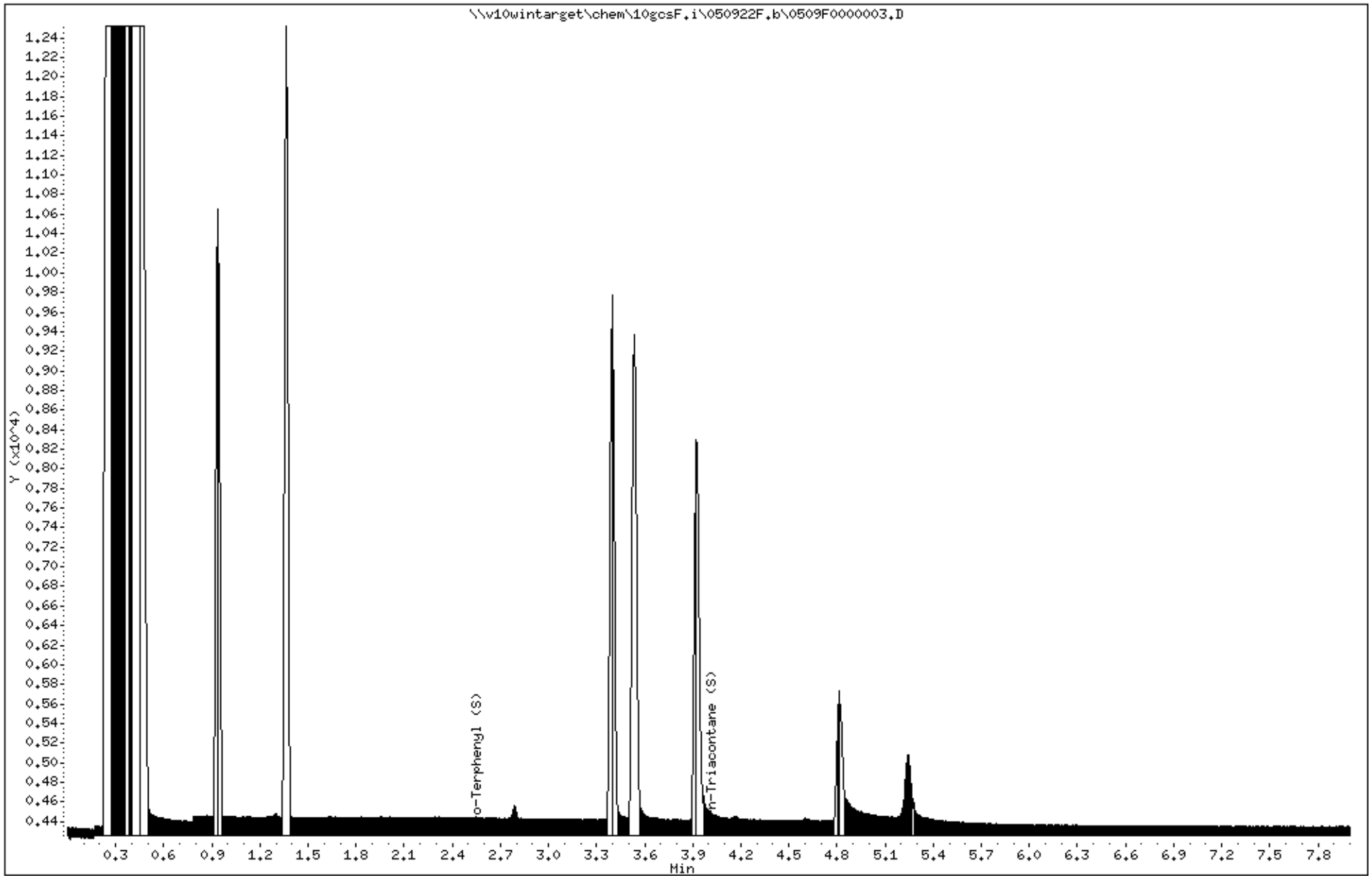
Compound Not Detected.

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000003.D
Date : 09-MAY-2022 10:14
Client ID: DMO-RTM,362402:2
Sample Info: DMO-RTM,362402:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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71 of 723
10606565

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000003.D
Injection Date: 09-MAY-2022 10:14
Instrument: 10gcsF.i
Lab Sample ID: DMO-RTM,362402:2
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	0	0
DRO by AK 102	0	0
TPH-DRO (C10-C28)	0	0
Motor Oil Range (C24-C36)	0	0
Diesel Fuel Range	0	0
Motor Oil Range	0	0
Diesel Fuel Range SG	0	0
Motor Oil Range SG	0	0
C10-C36	0	0
n-Triacontane (S)	26	26
o-Terphenyl (S)	7	7

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000025.D
Lab Smp Id: DMO-CAL2,364980:2 Client Smp ID: DMO-CAL2,364980:2
Inj Date : 09-MAY-2022 15:31
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal2,364980:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		300261	10.0000	1.28	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.562	2.565	-0.003	6519	1.00000	1.07	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.014	4.017	-0.003	4905	1.00000	1.01	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		103492	10.0000	3.06	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		338750	10.0000	2.06	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		115167	10.0000	2.96	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		403754	20.0000	3.92	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		266265	10.0000	0.592	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		266265	10.0000	0.592	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		131884	10.0000	4.44	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		131884	10.0000	4.91	(MH)	RNG

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Review Codes Legend

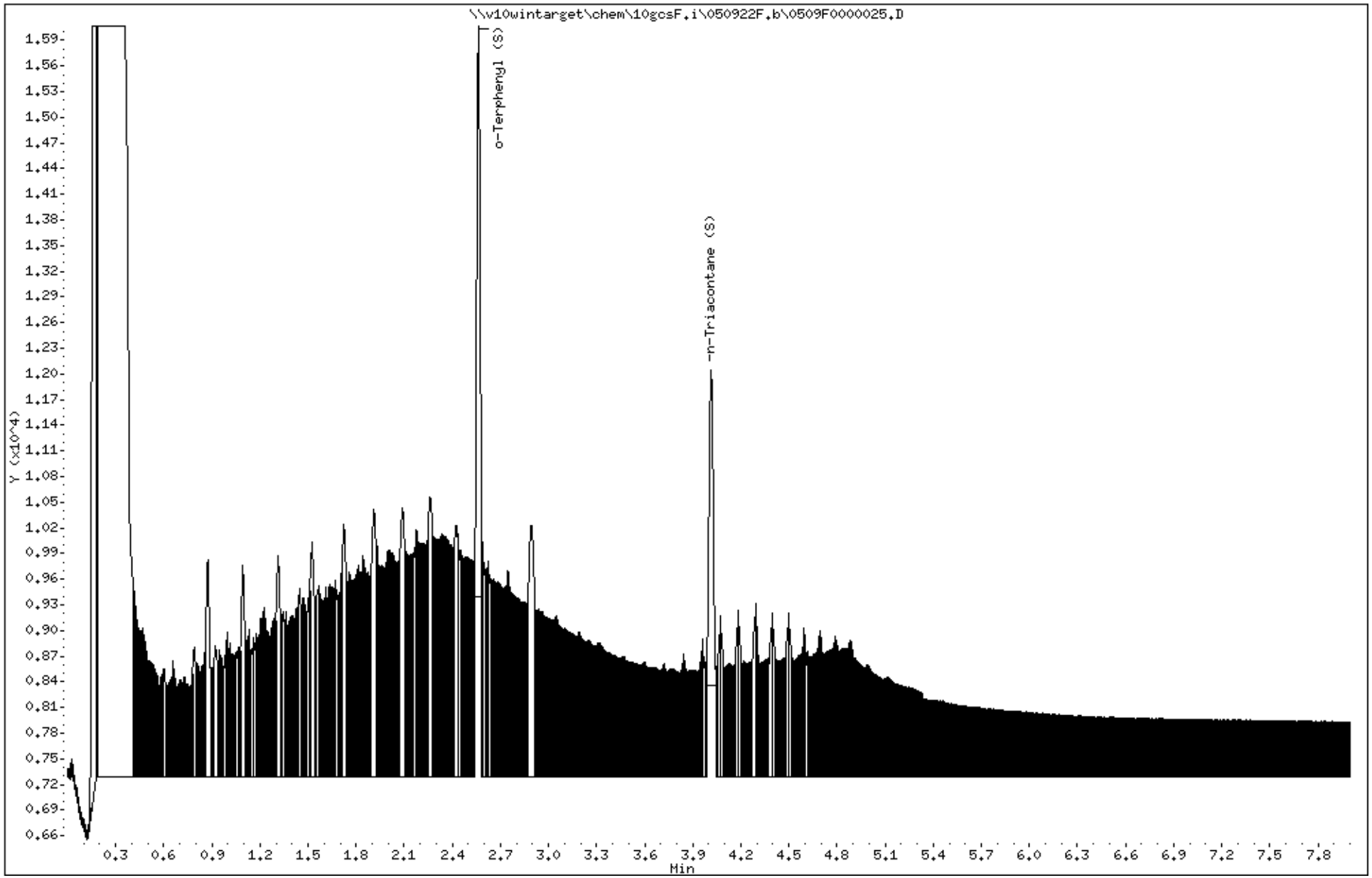
RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000025.D
Date : 09-MAY-2022 15:31
Client ID: DMO-CAL2,364980:2
Sample Info: DMO-CAL2,364980:2

Column phase: DB-5-US21390001

Instrument: 10gcsF.i

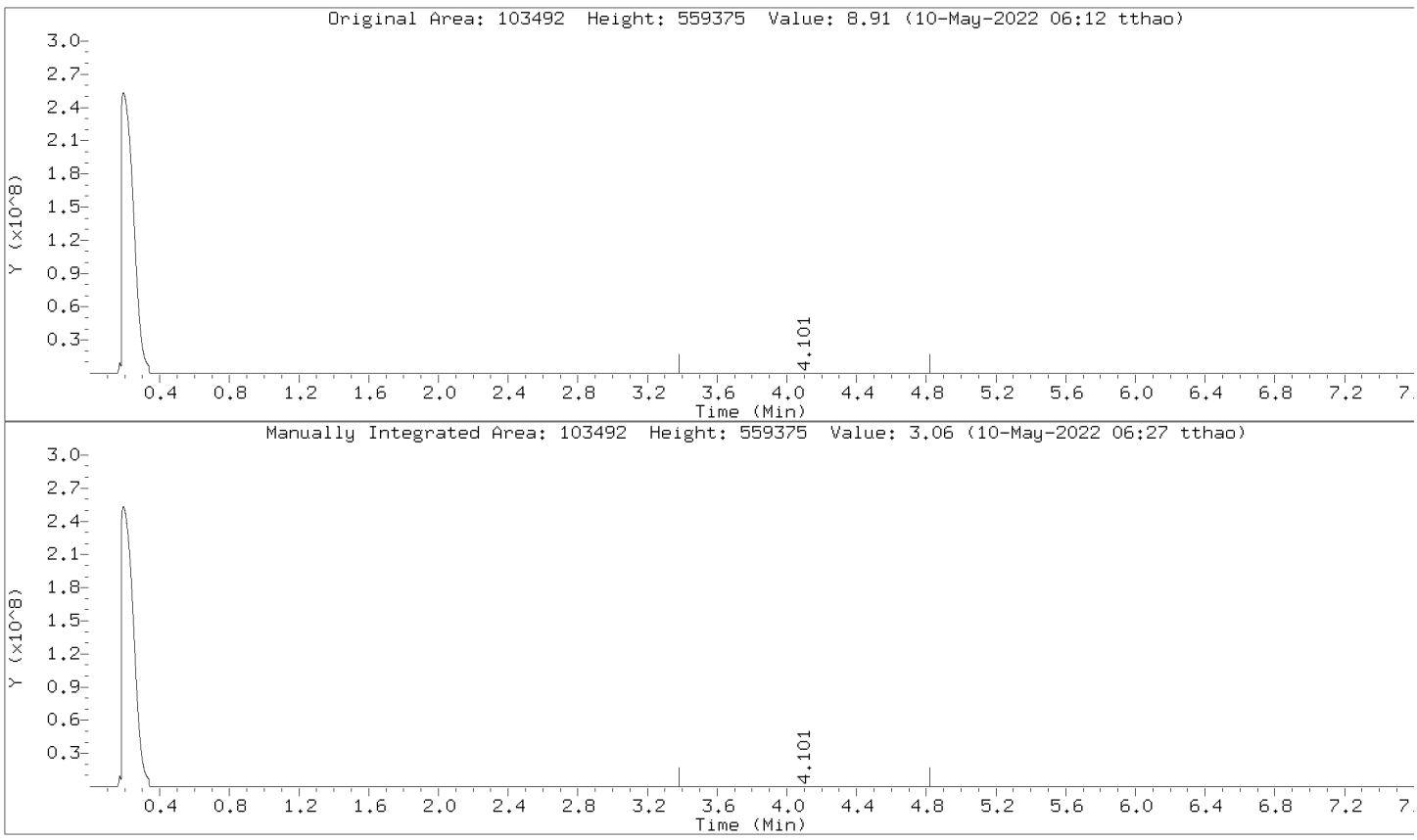
Operator: TT2
Column diameter: 0.32



162 of 1506
75 of 723
10606565

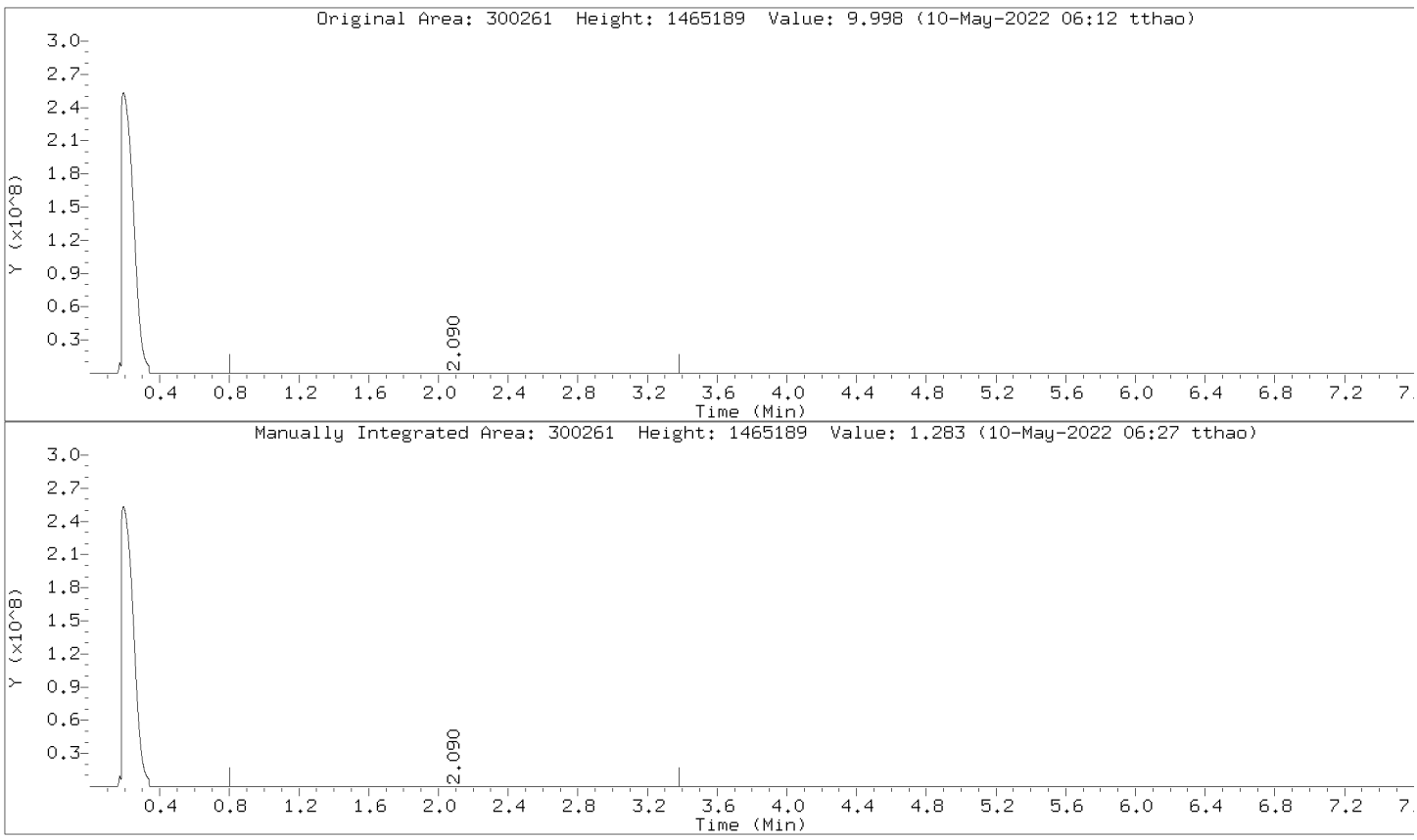
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



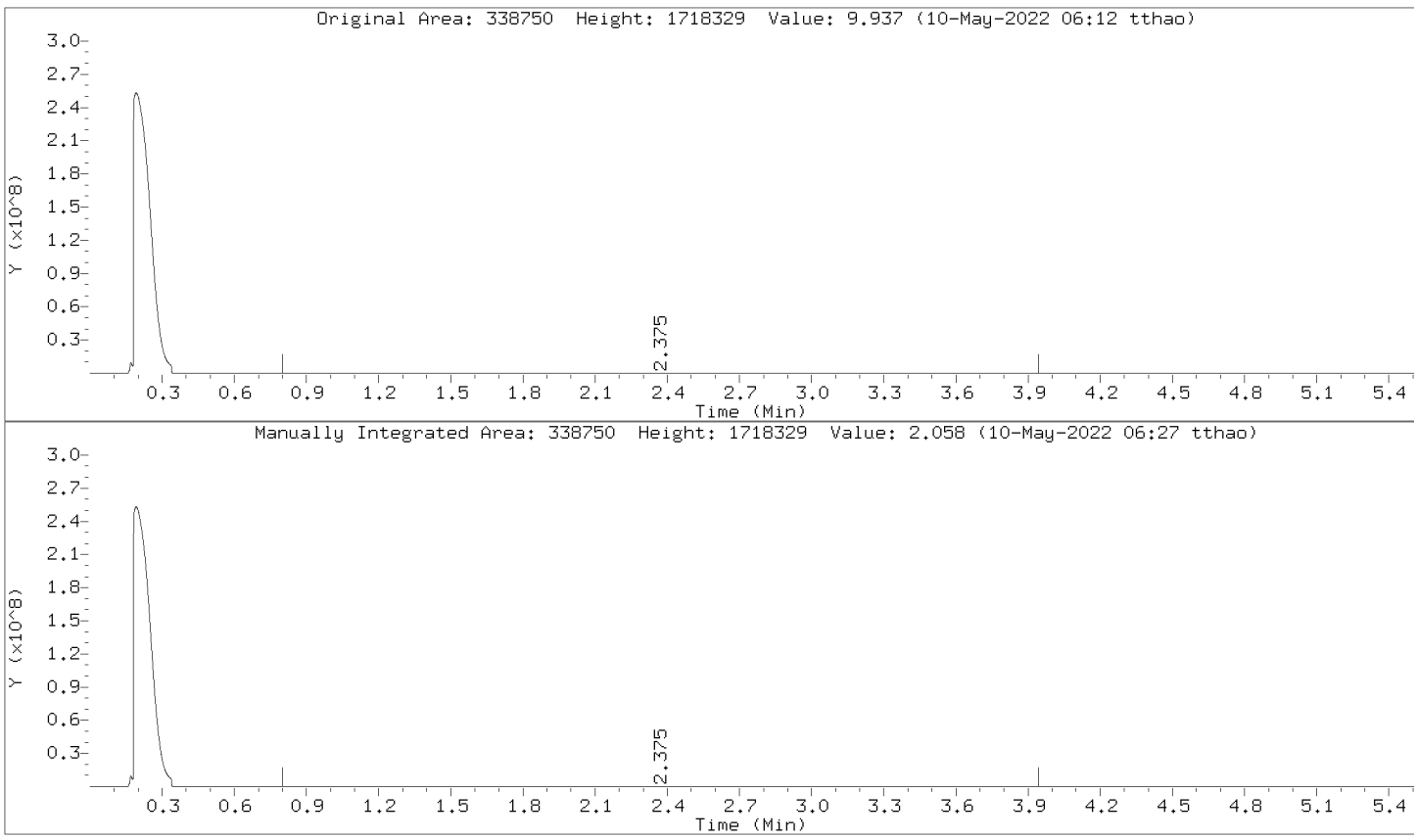
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



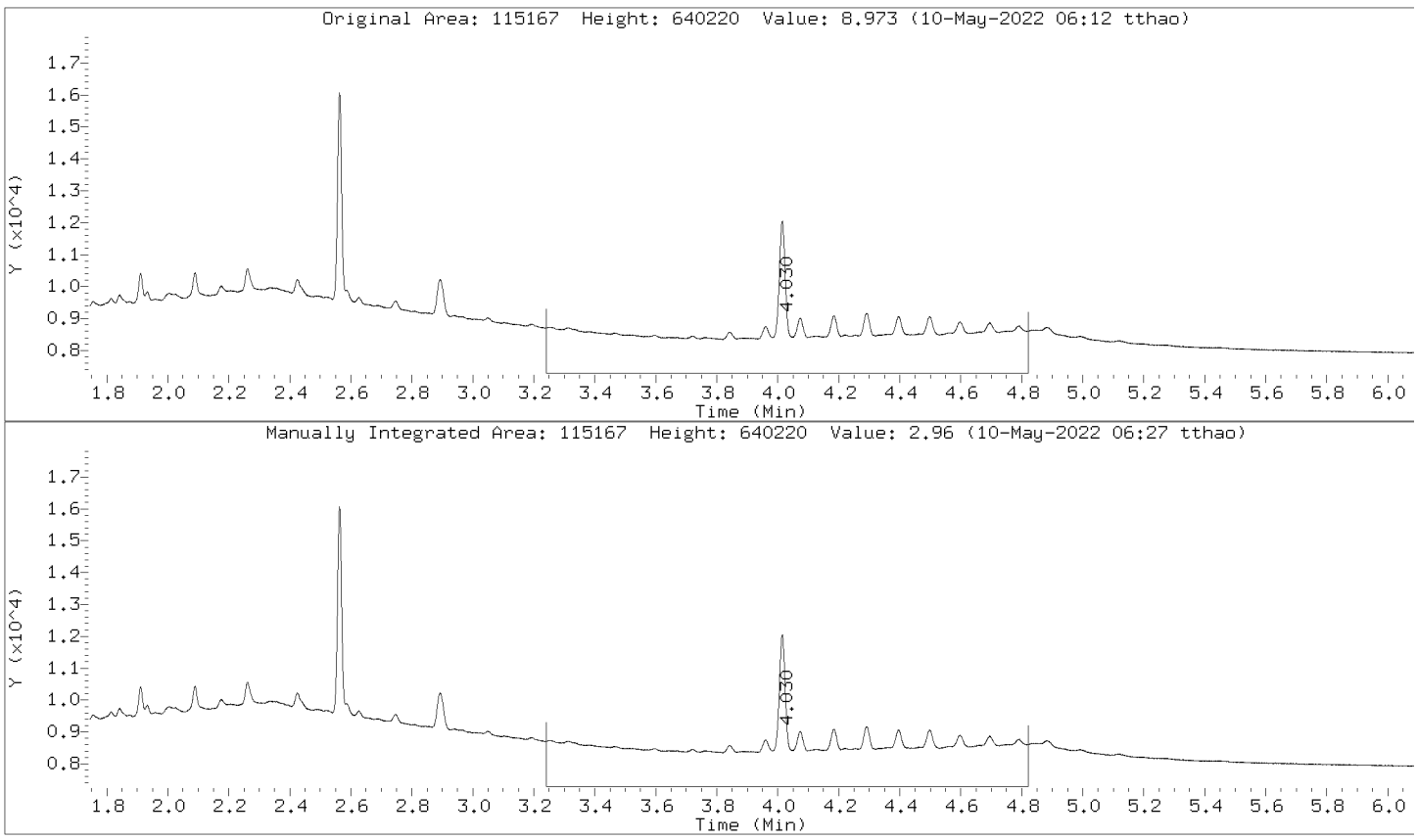
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



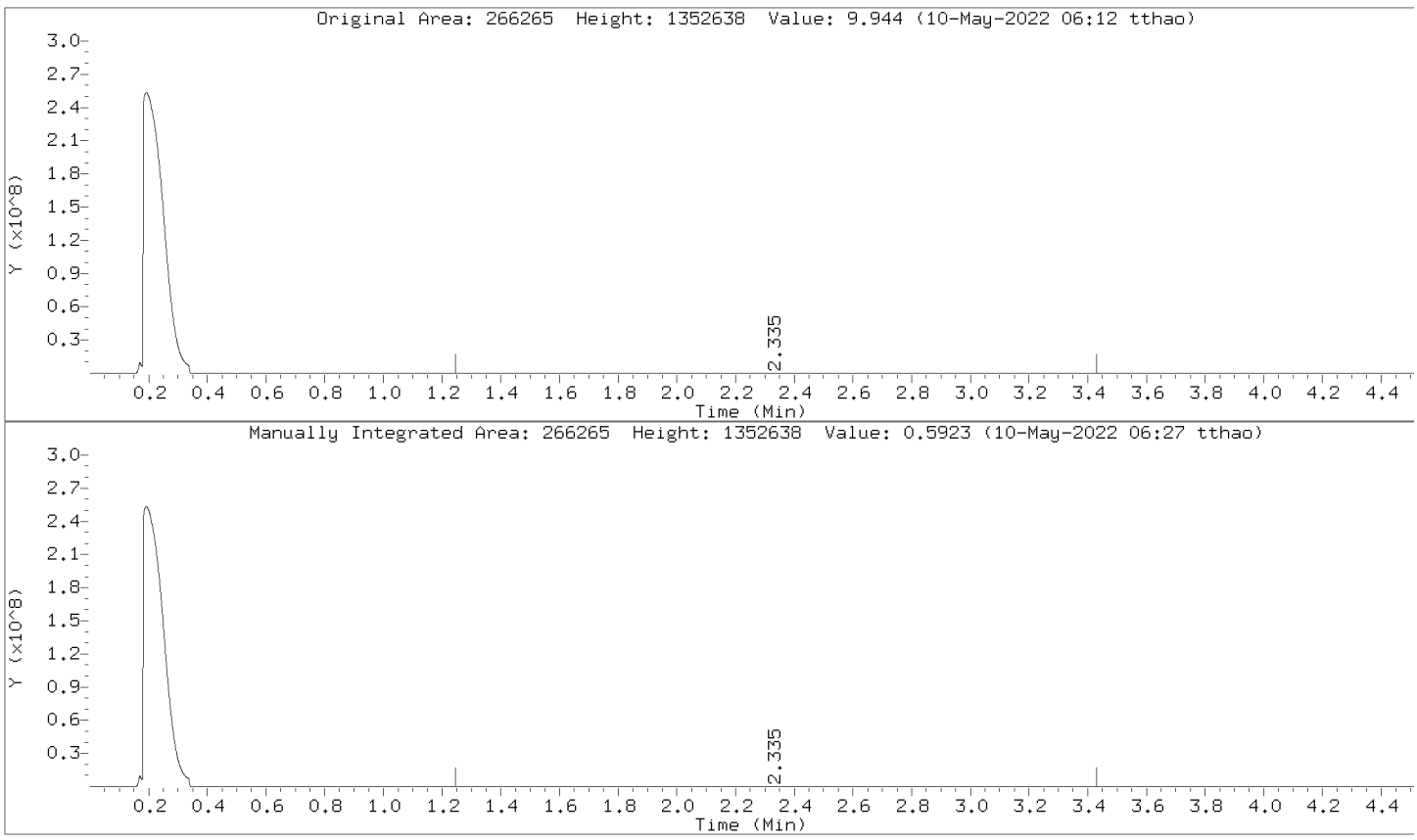
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



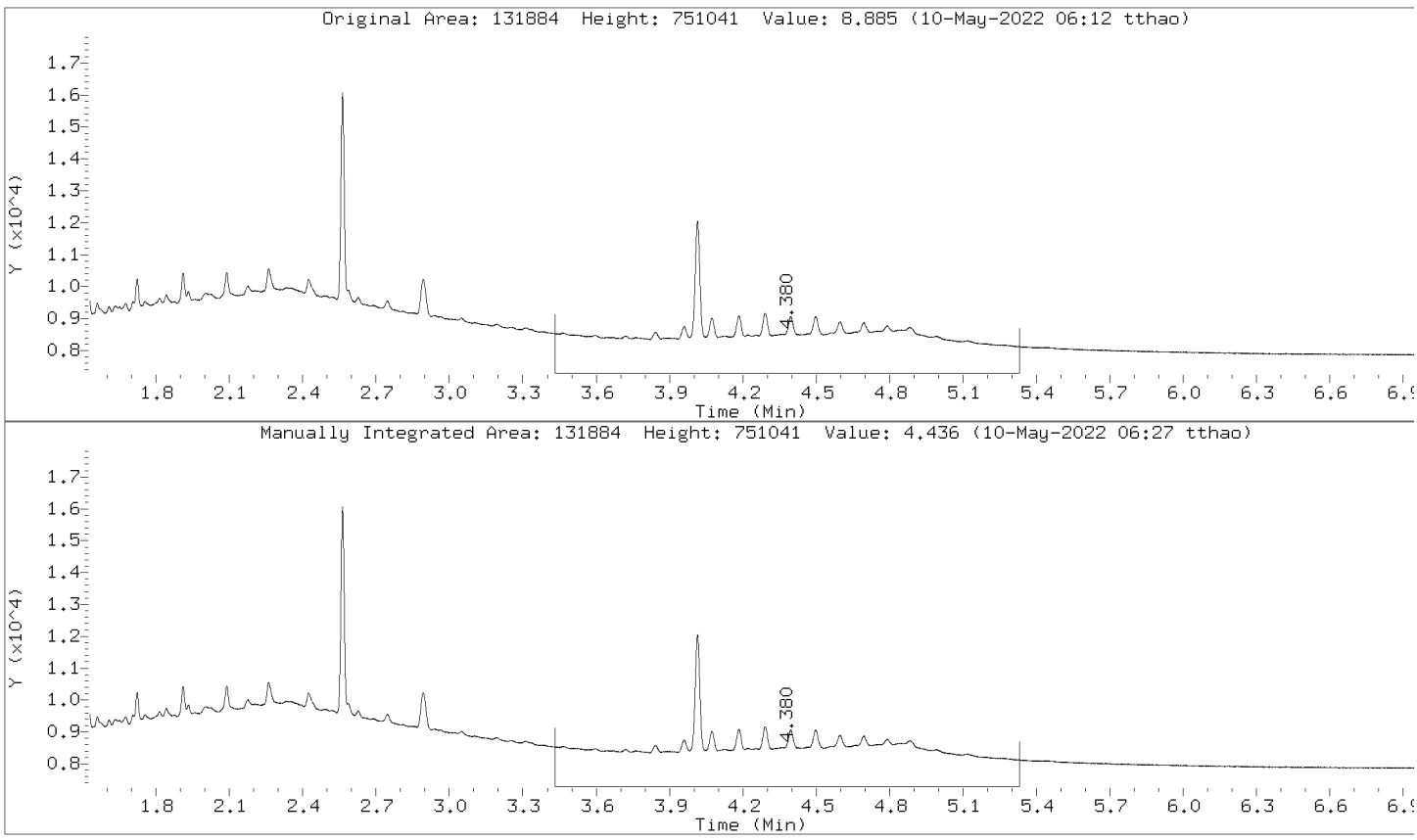
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



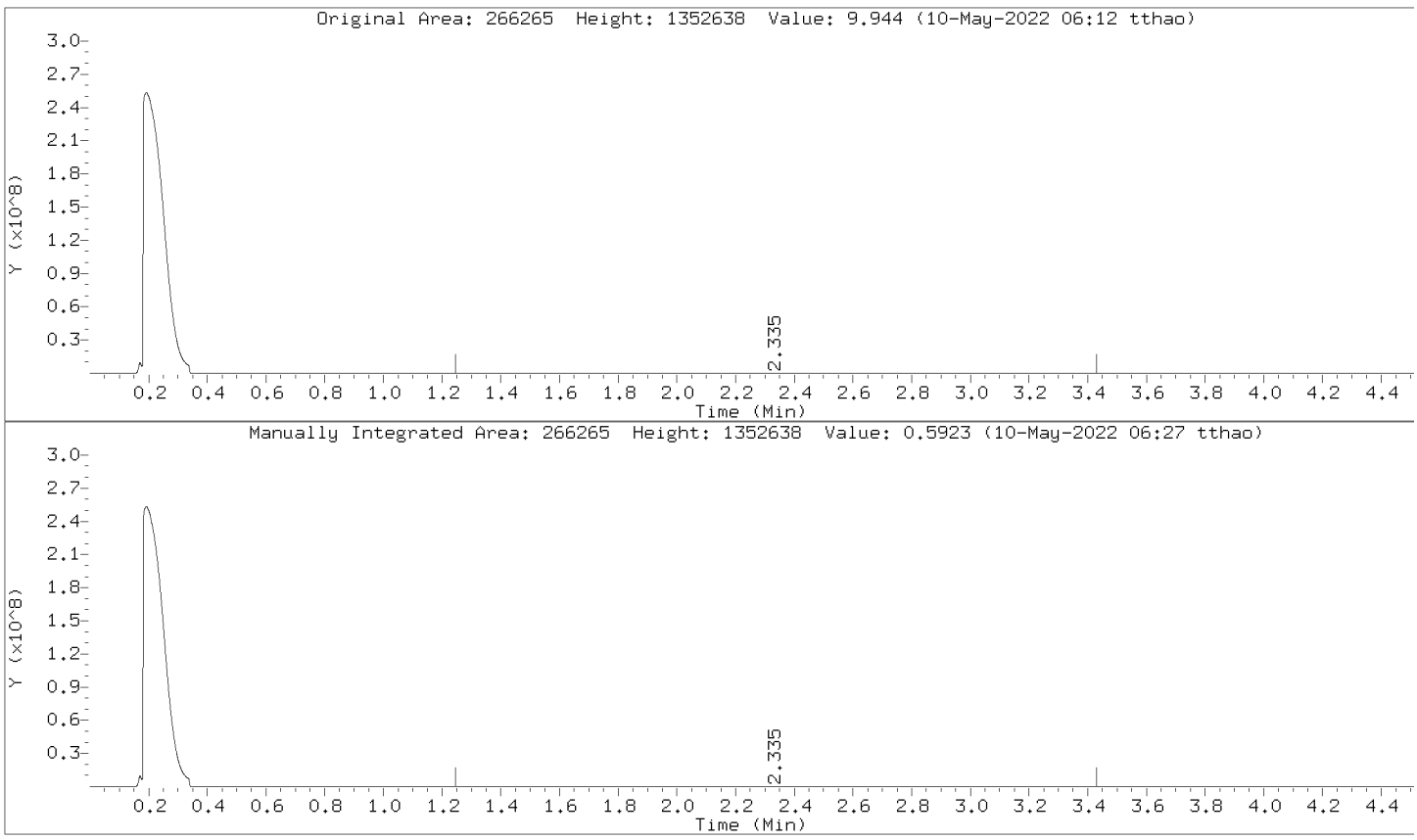
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



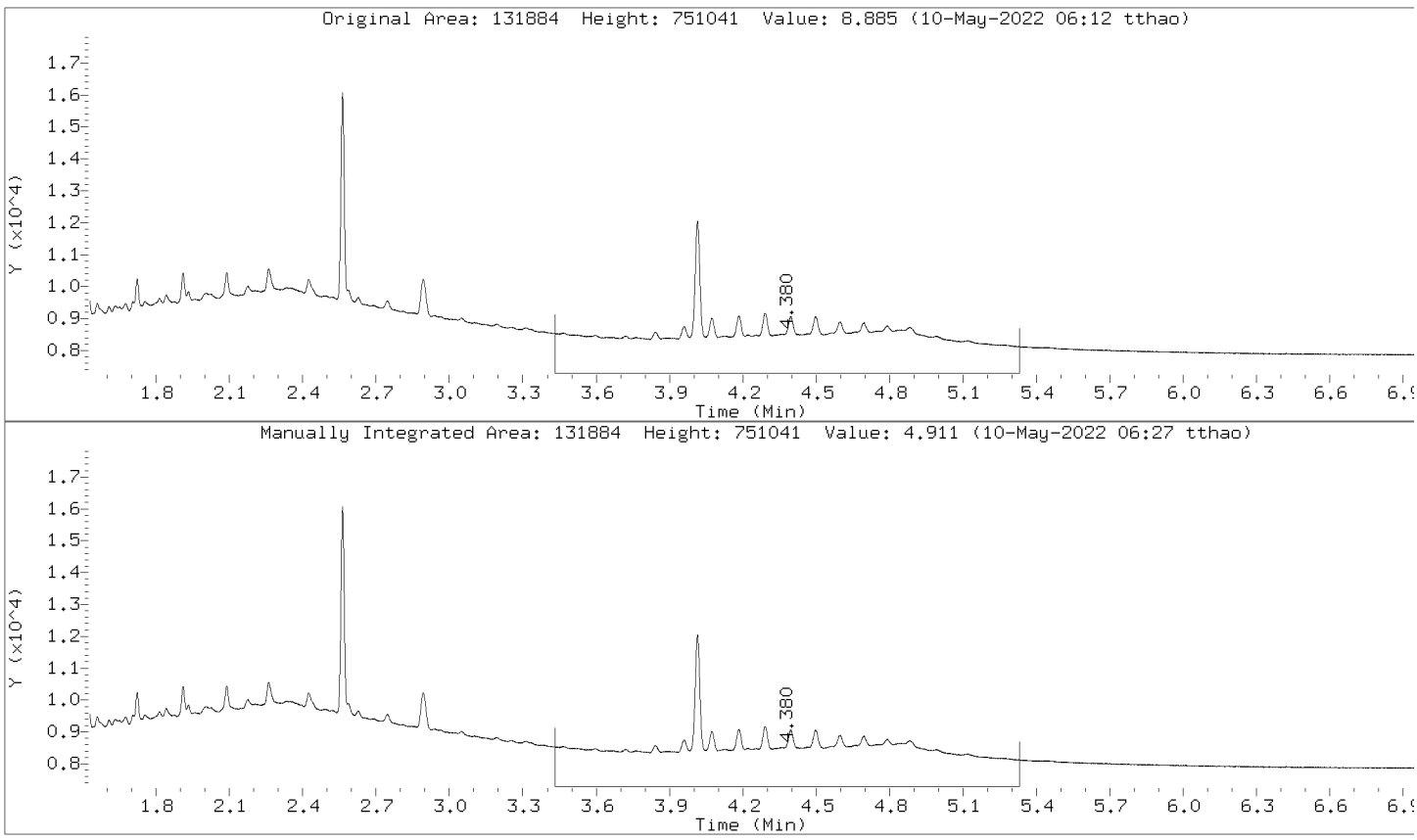
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



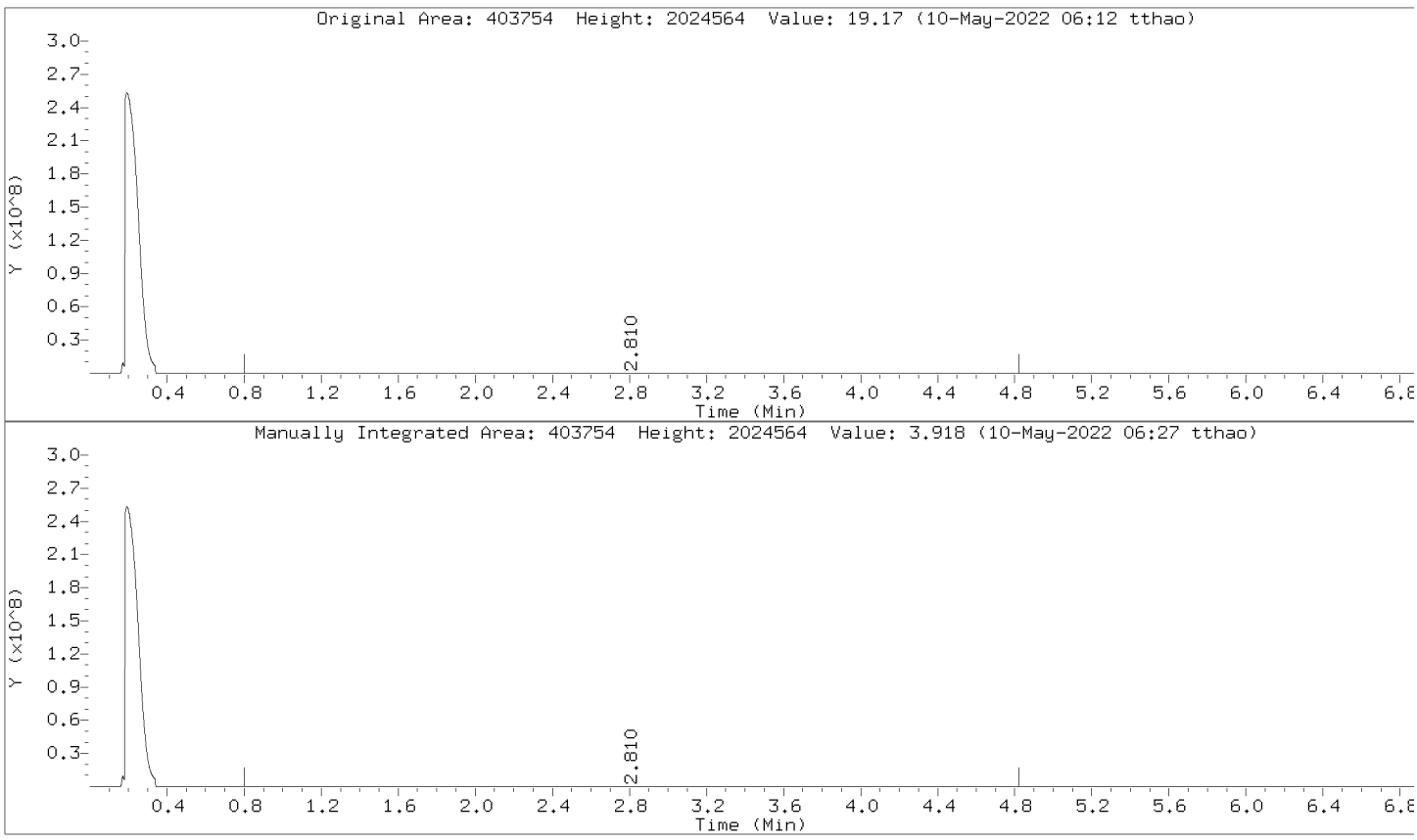
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



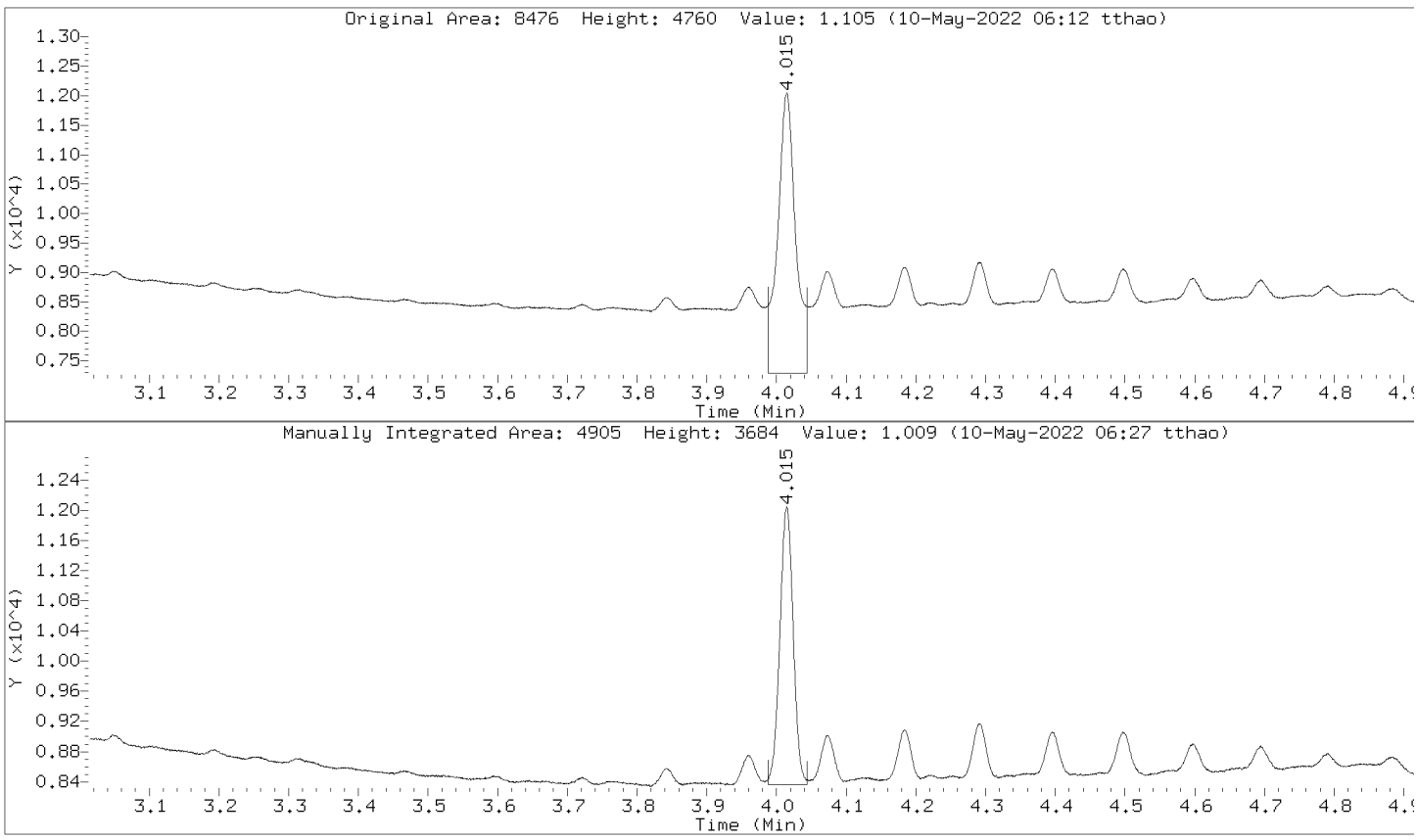
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: C10-C36 Review Code: RNG
CAS Number:



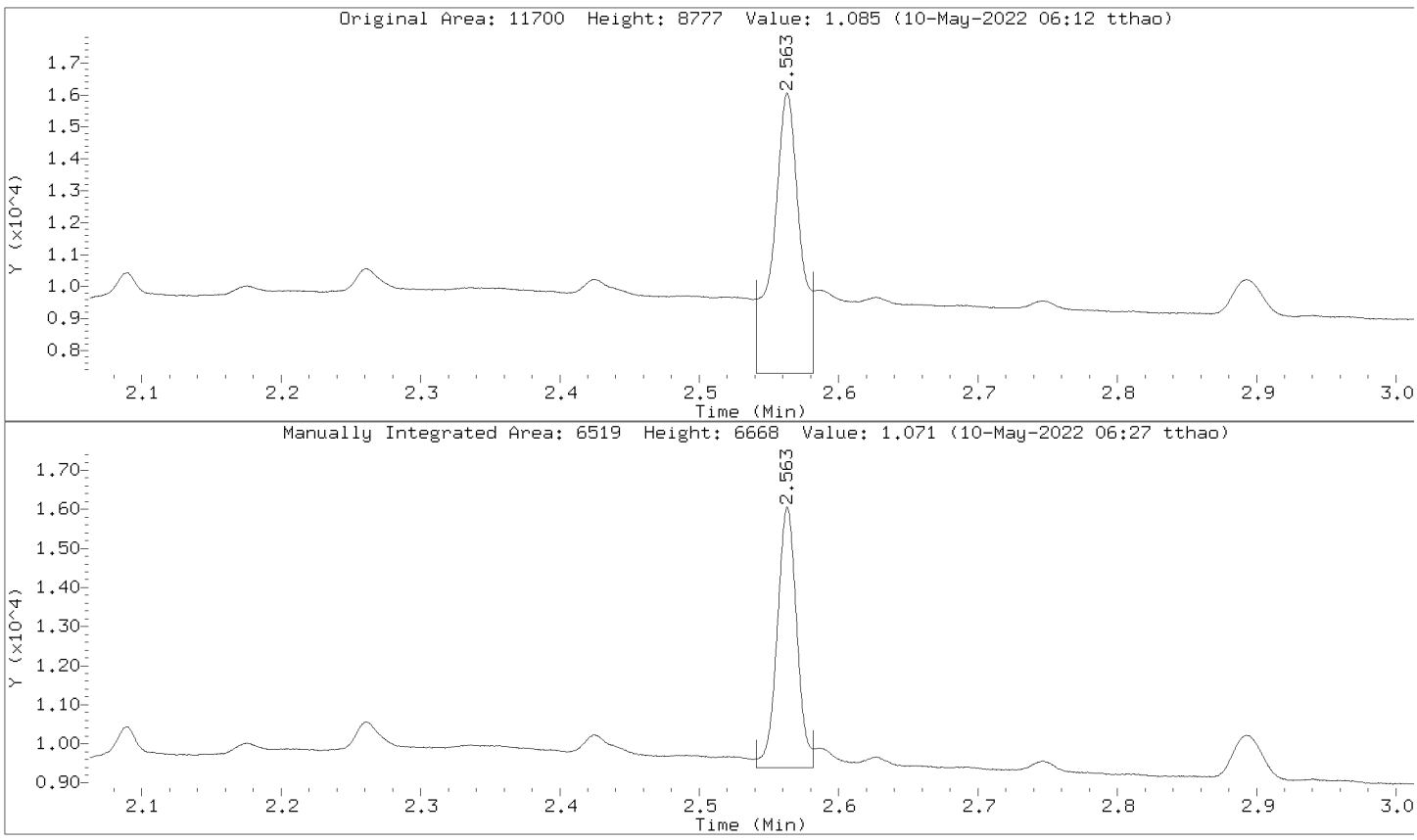
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000025.D
Injection Date: 09-MAY-2022 15:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL2,364980:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	103492	103492
DRO by AK 102	300261	300261
TPH-DRO (C10-C28)	338750	338750
Motor Oil Range (C24-C36)	115167	115167
Diesel Fuel Range	266265	266265
Motor Oil Range	131884	131884
Diesel Fuel Range SG	266265	266265
Motor Oil Range SG	131884	131884
C10-C36	403754	403754
n-Triacontane (S)	8476	4905
o-Terphenyl (S)	11700	6519

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000026.D
Lab Smp Id: DMO-CAL3,364981:2 Client Smp ID: DMO-CAL3,364981:2
Inj Date : 09-MAY-2022 15:43
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal3,364981:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		389510	25.0000	18.5	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.563	2.565	-0.002	15641	2.50000	2.57	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.015	4.017	-0.002	12598	2.50000	2.59	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		165785	25.0000	22.5	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		442147	25.0000	19.4	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		181686	25.0000	22.9	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		555295	50.0000	40.0	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		342102	25.0000	18.1	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		342102	25.0000	18.1	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		204704	25.0000	23.2	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		204704	25.0000	23.6	(M)	RNG

QC Flag Legend

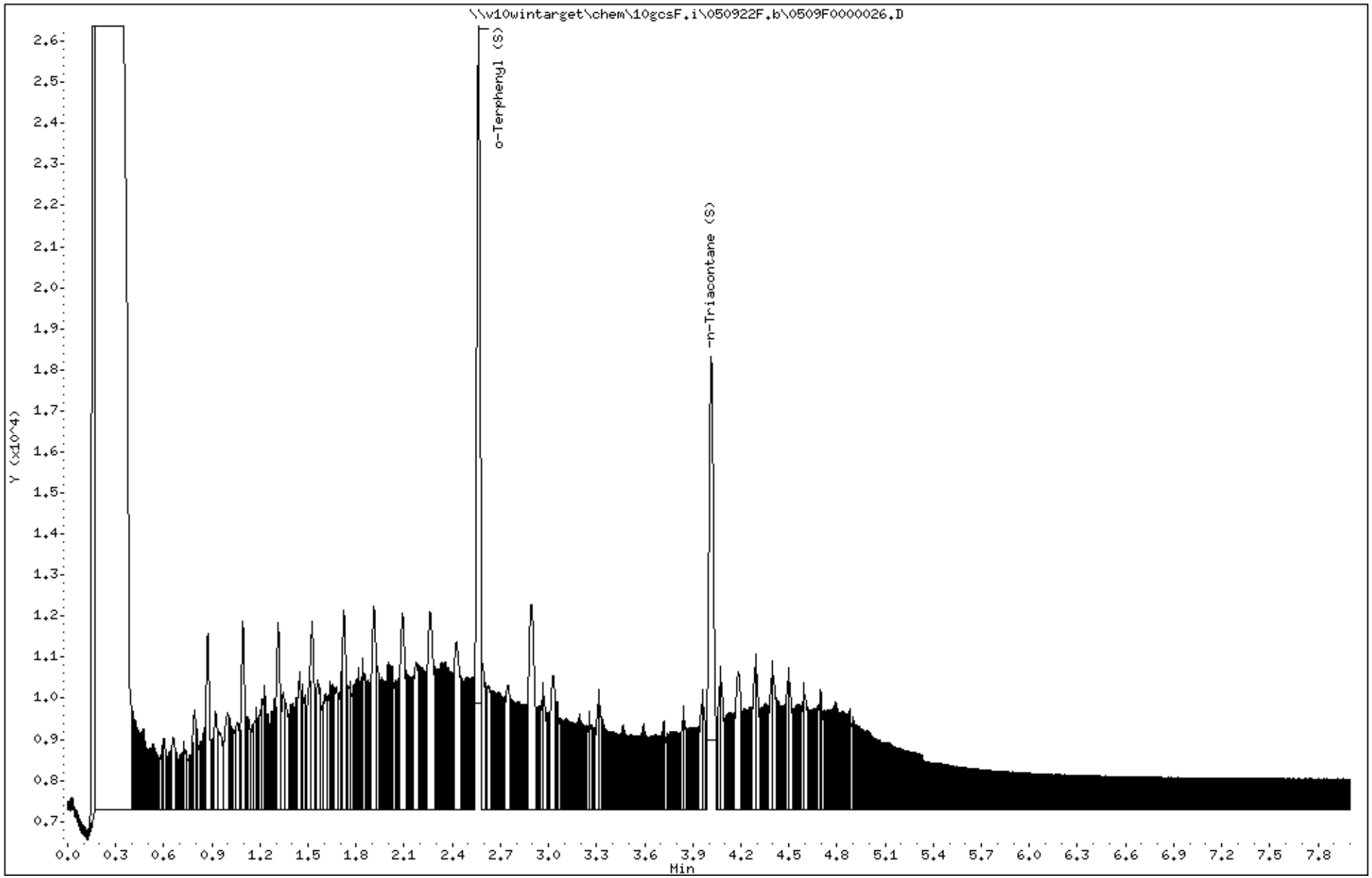
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000026.D
Date : 09-MAY-2022 15:43
Client ID: DMO-CAL3,364981:2
Sample Info: DMO-CAL3,364981:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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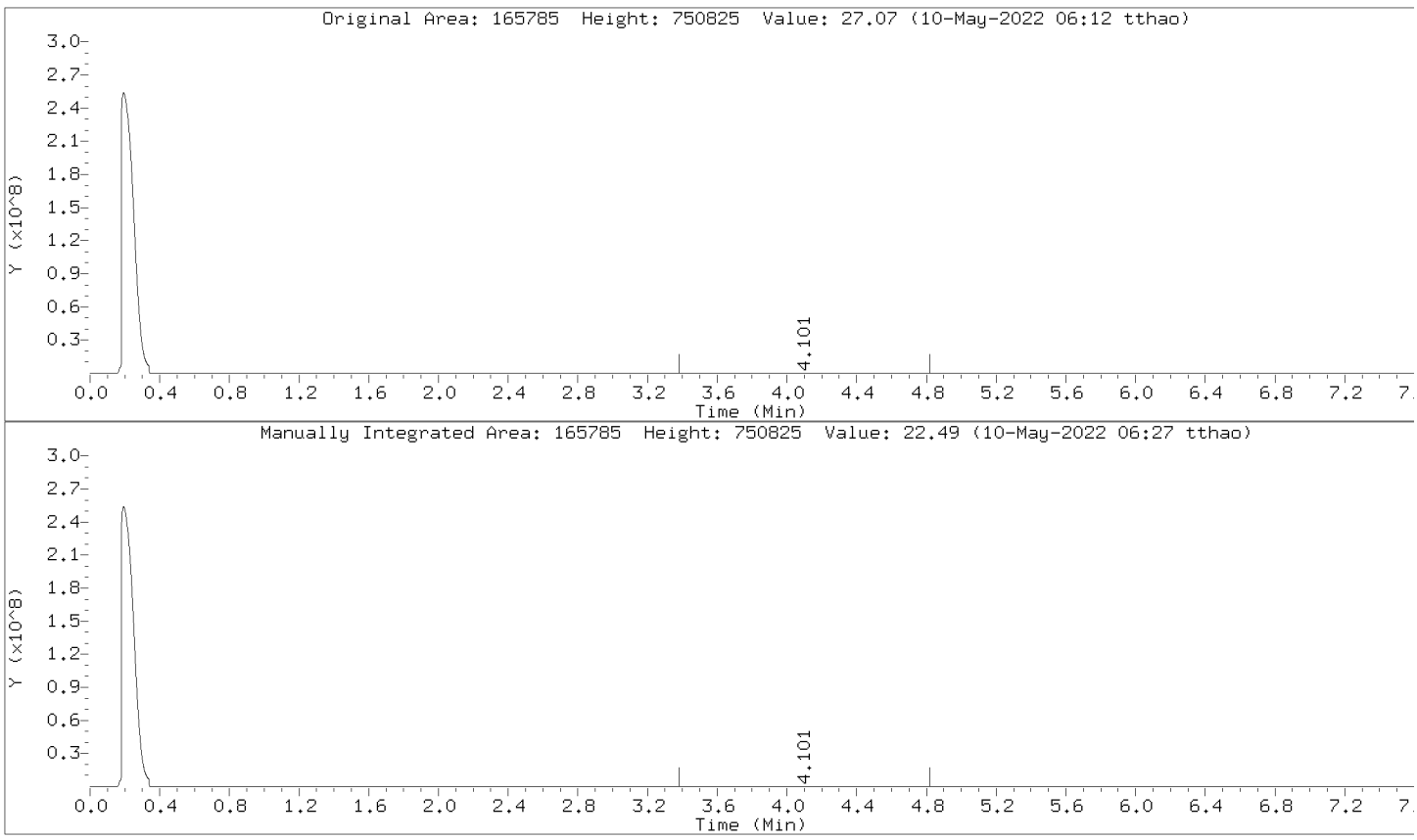
89 of 723
10606565

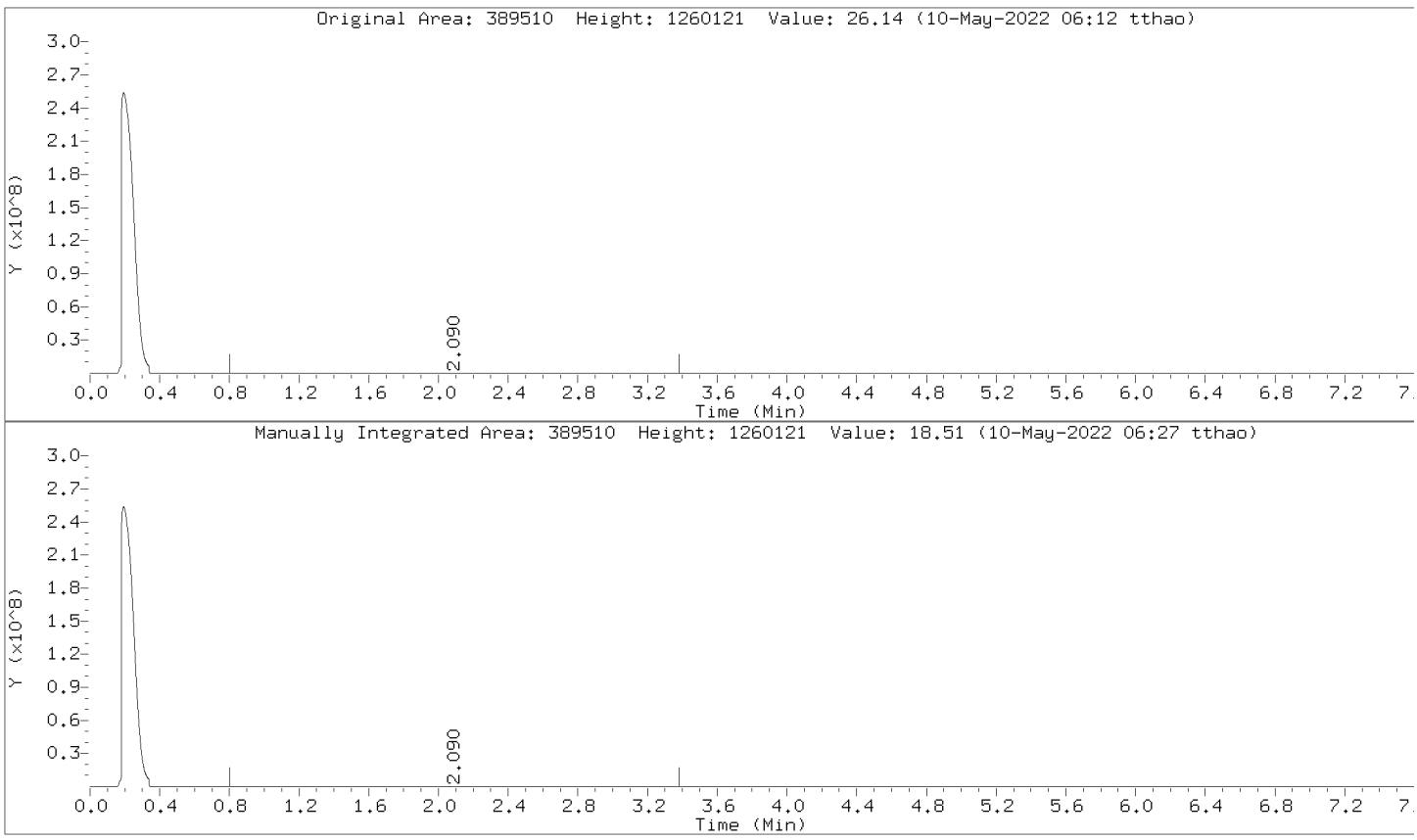
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



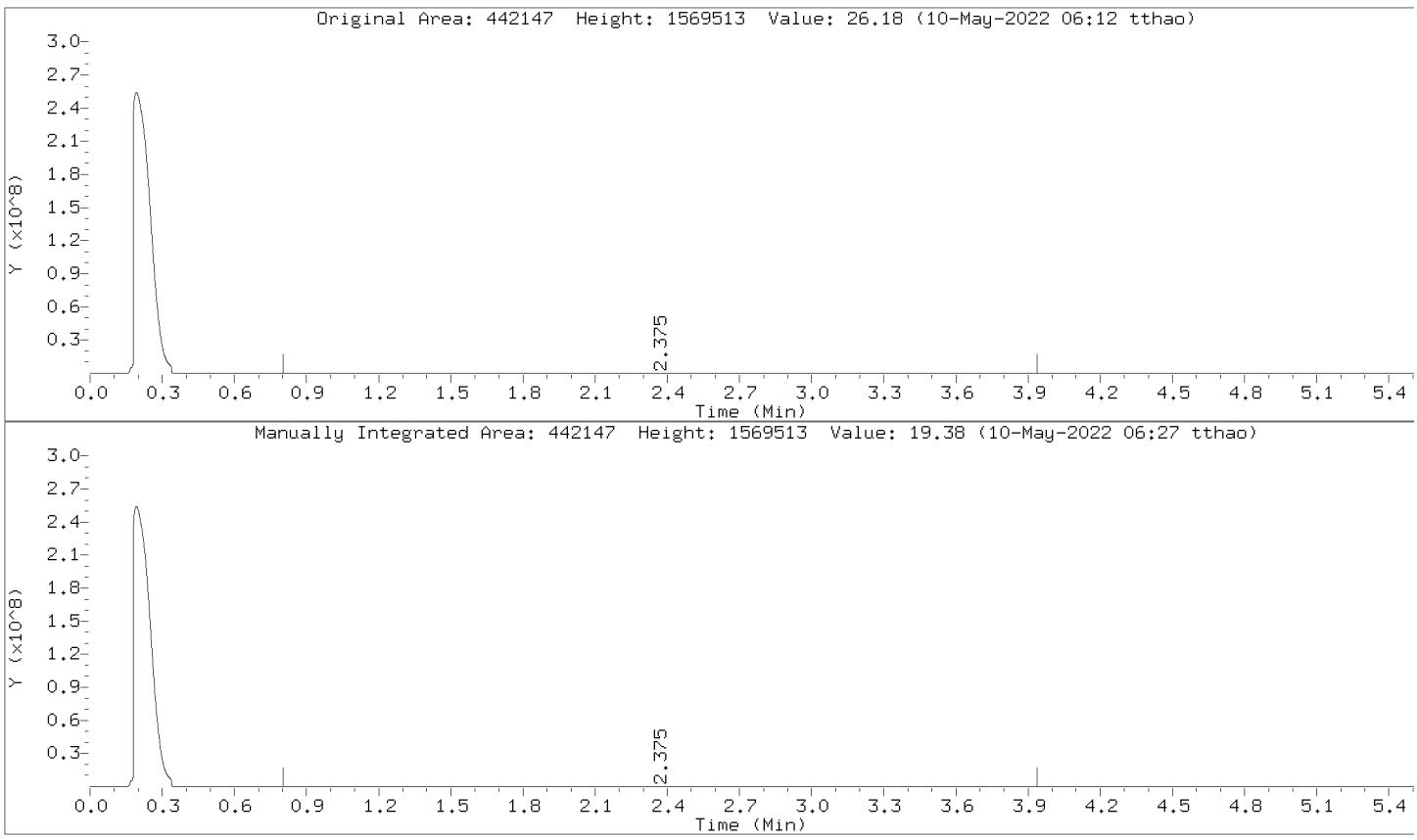
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



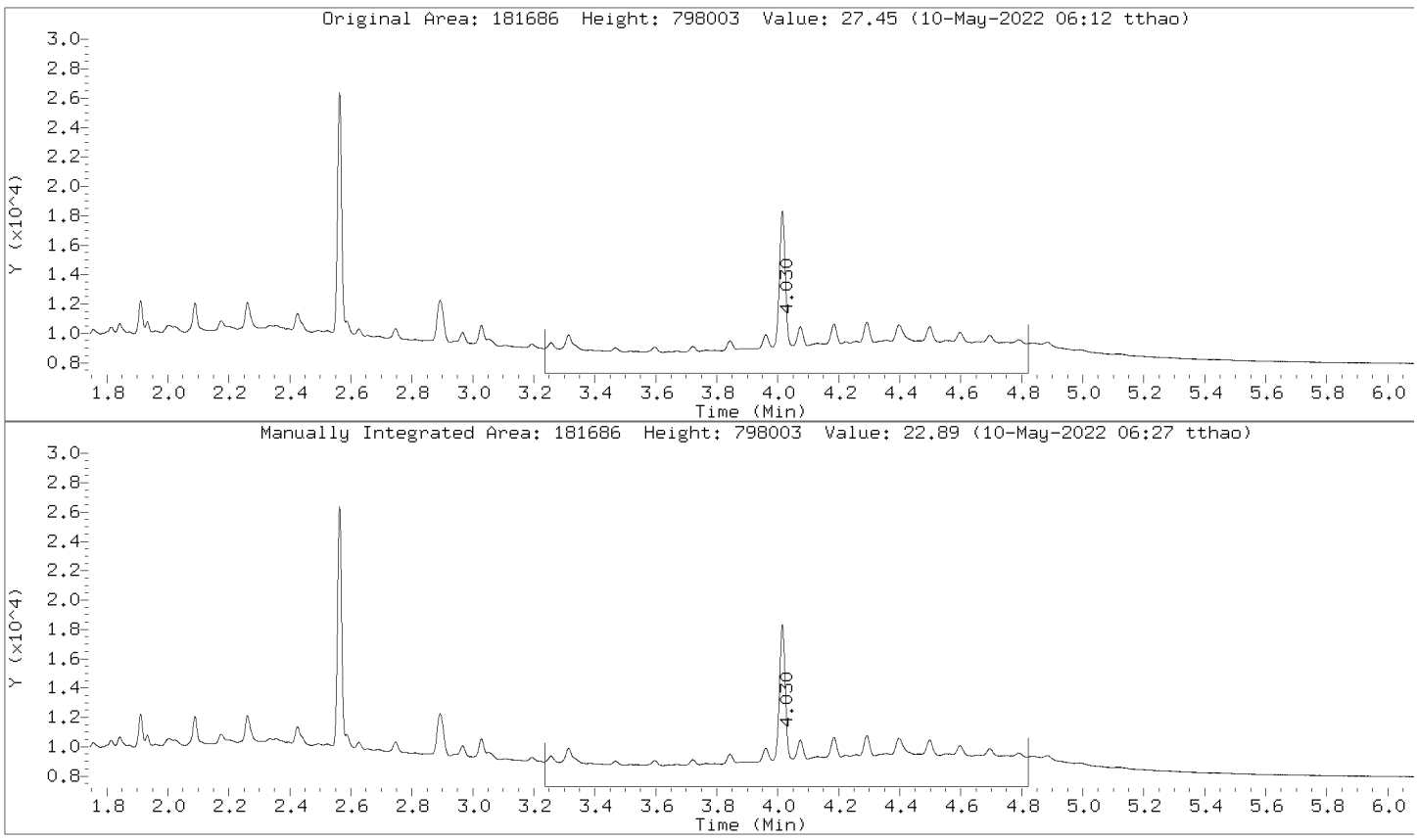
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



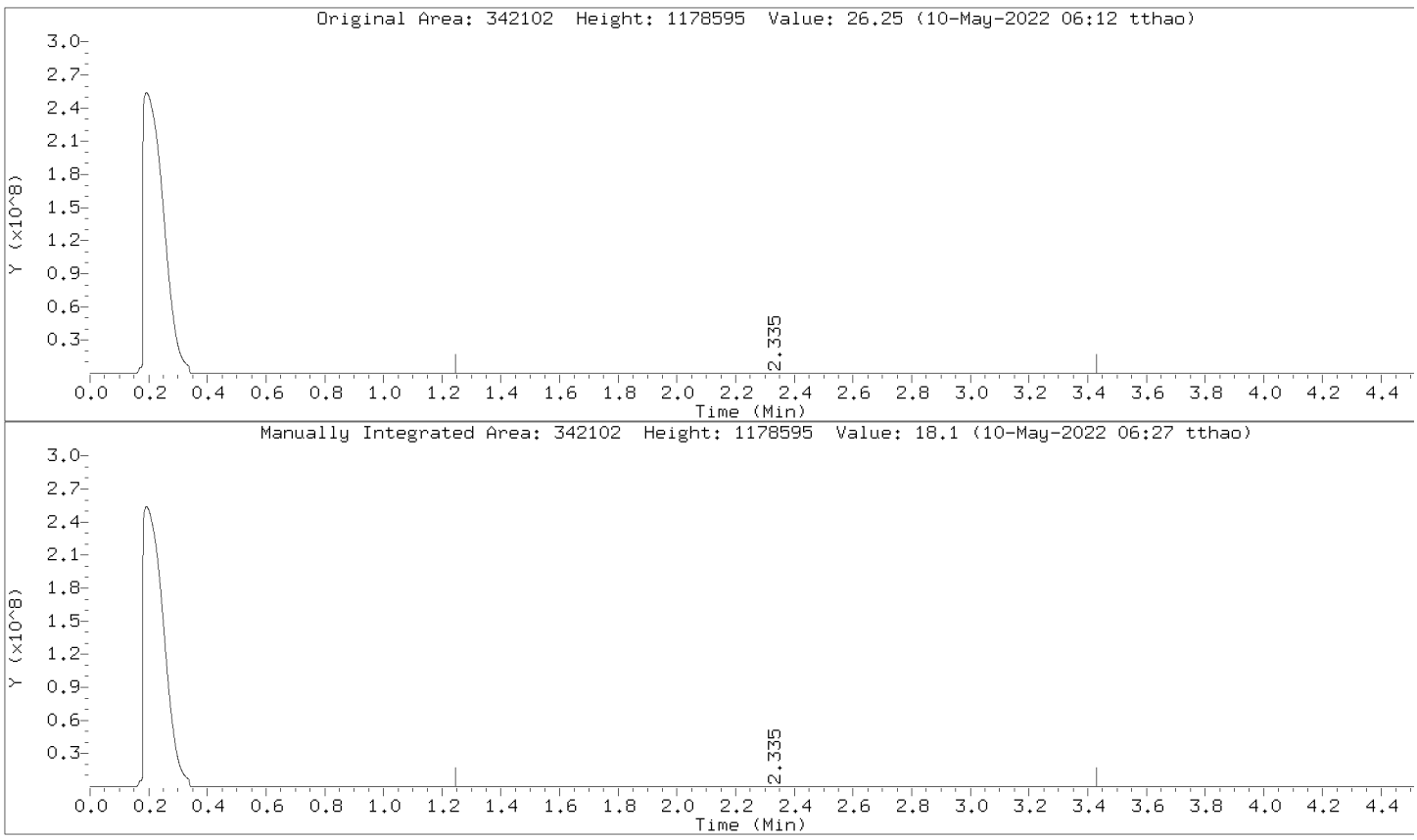
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



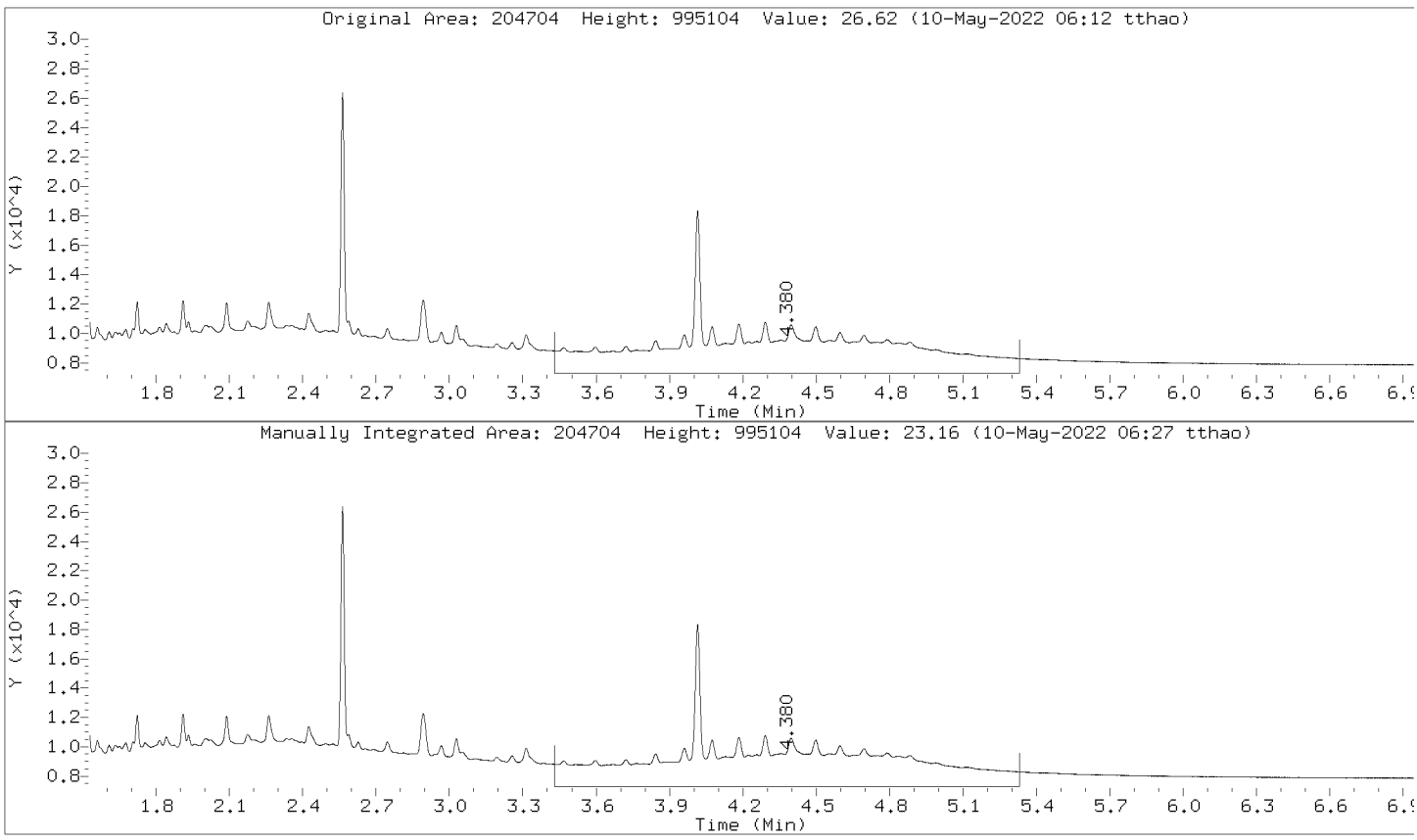
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



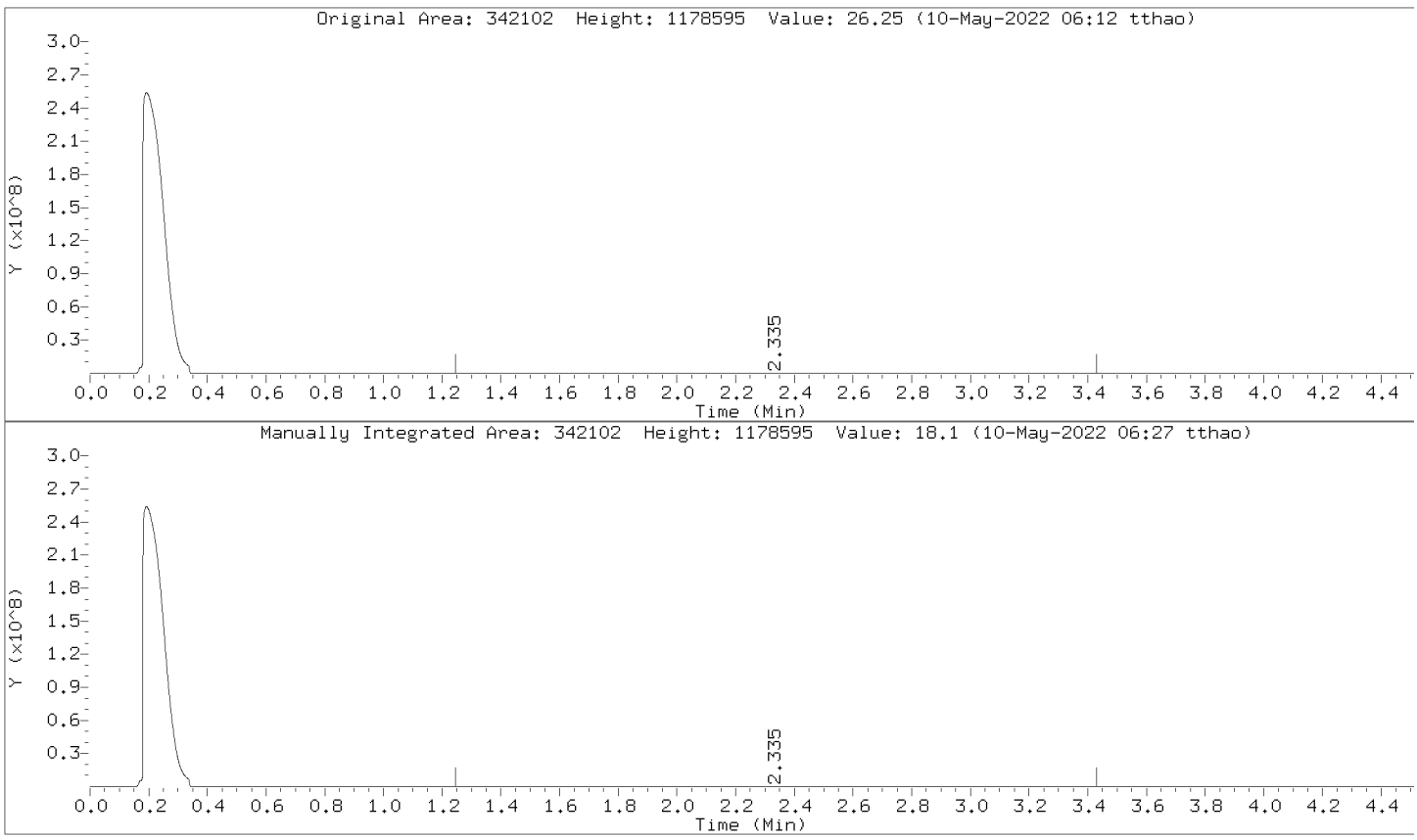
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



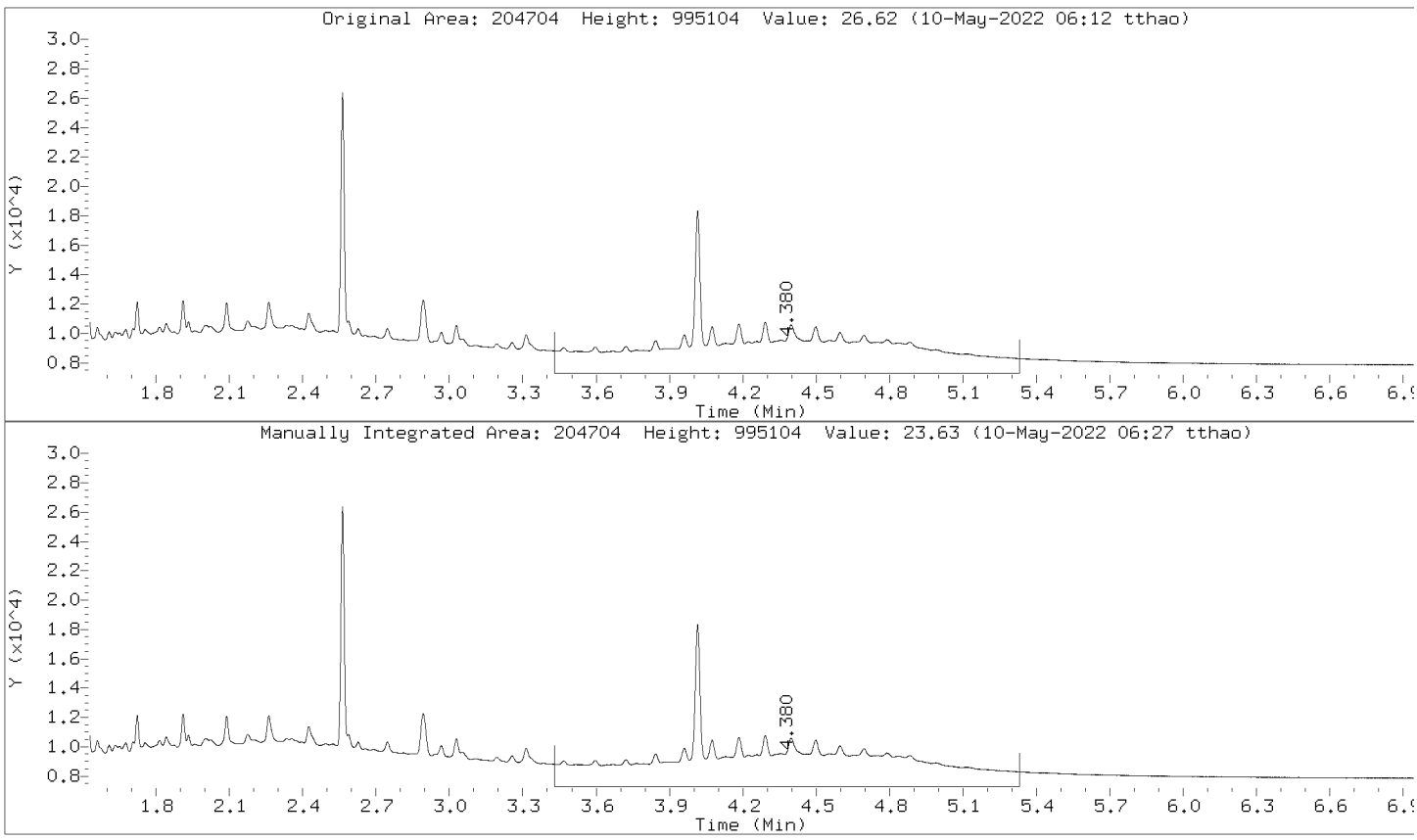
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



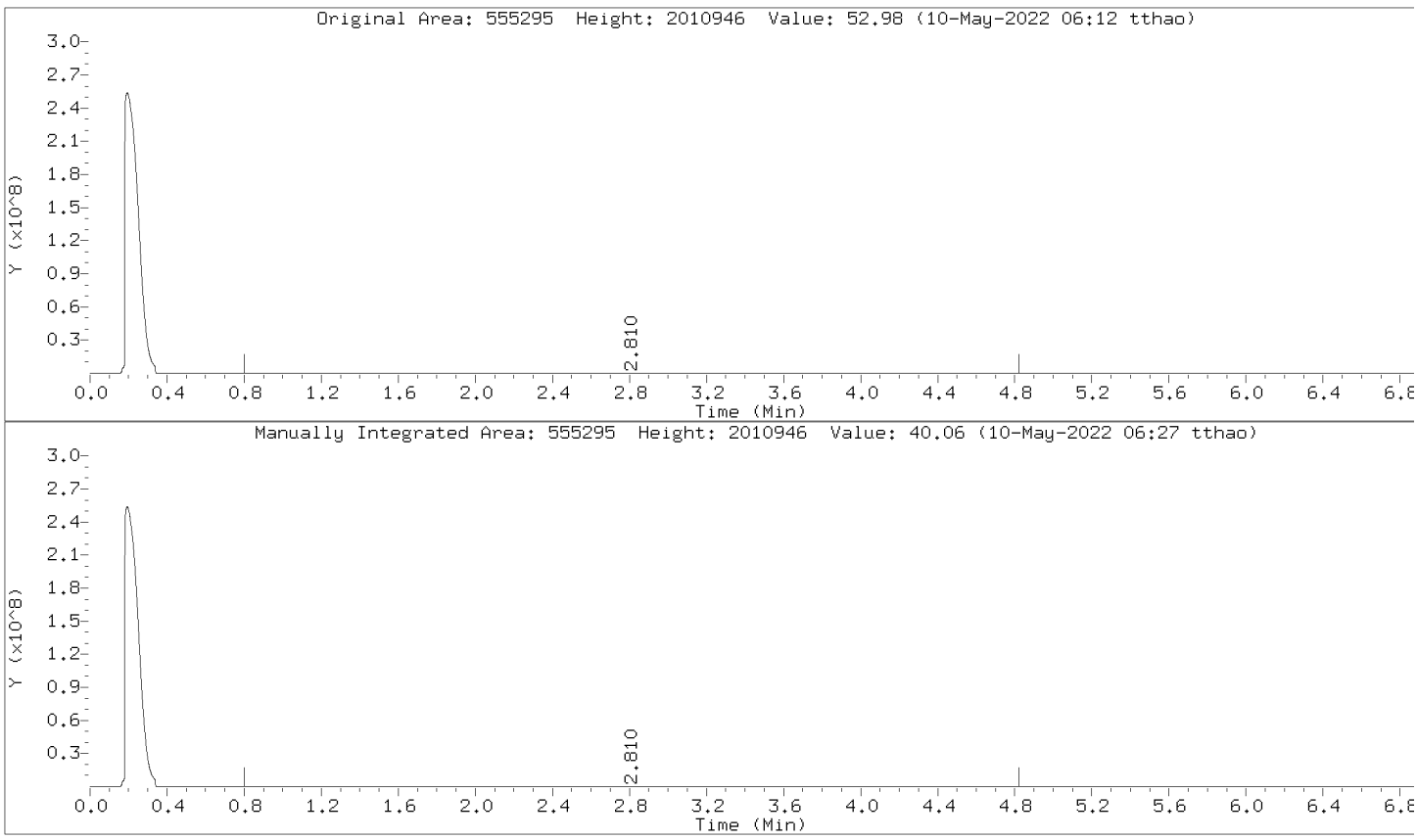
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



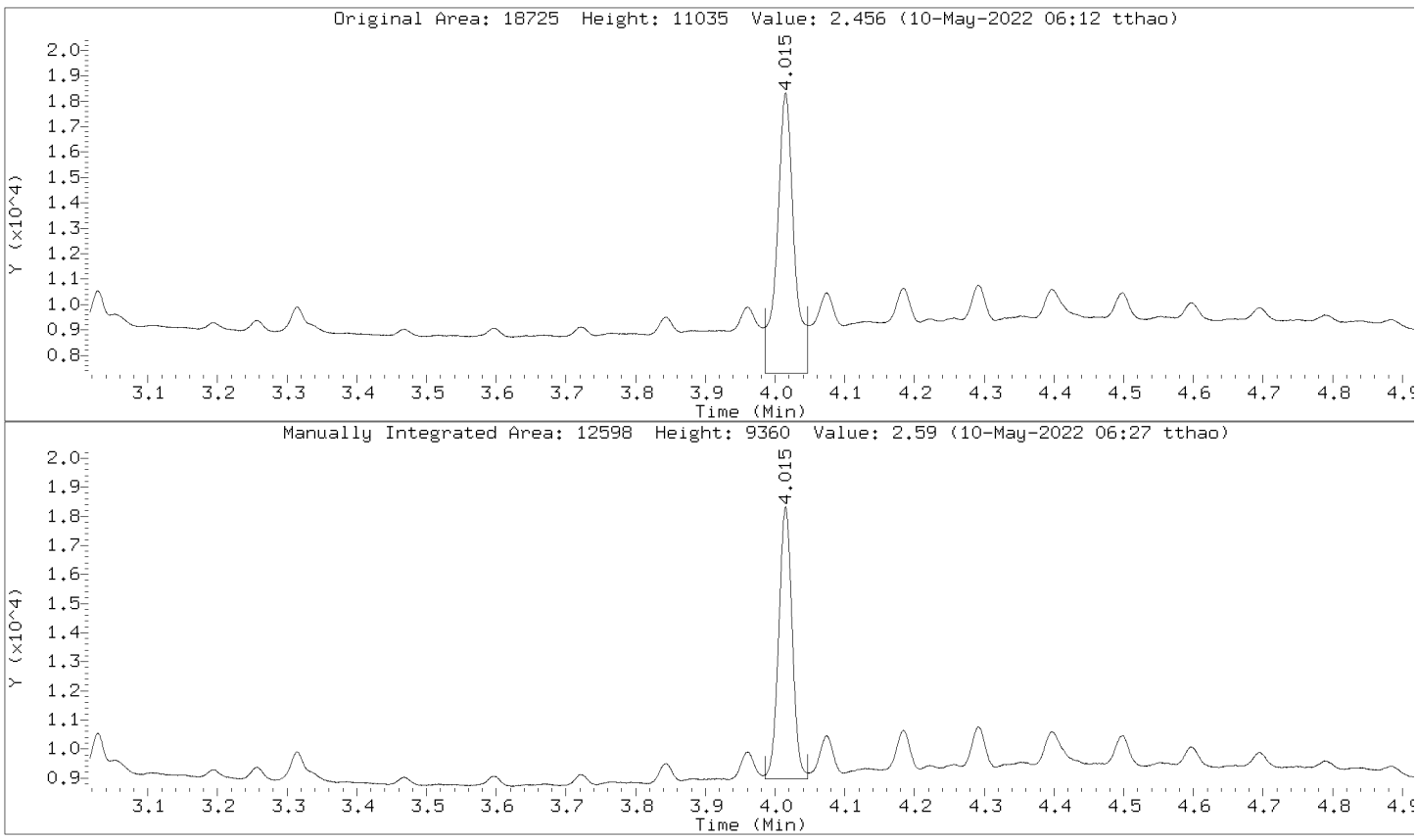
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: C10-C36 Review Code: RNG
CAS Number:



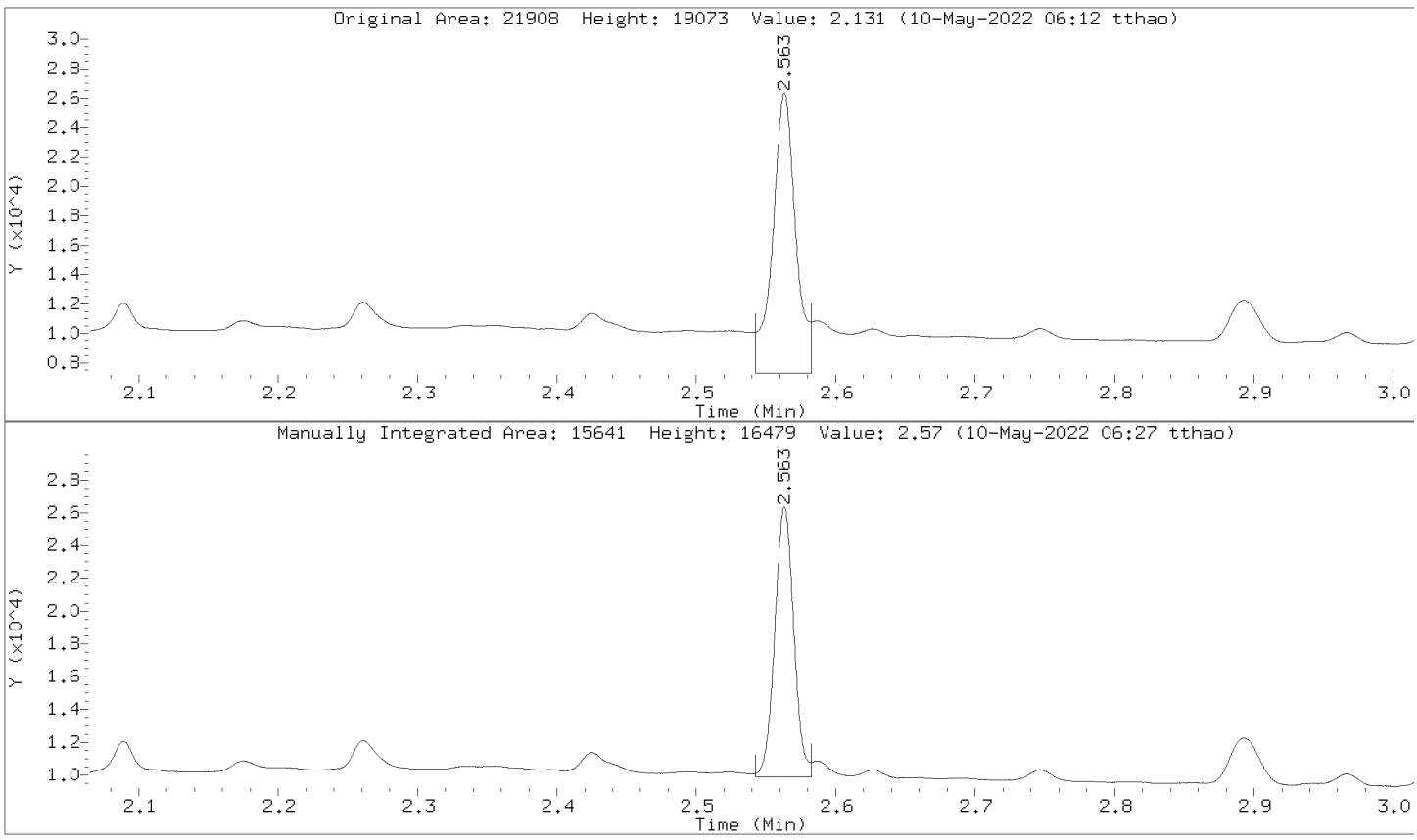
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000026.D
Injection Date: 09-MAY-2022 15:43
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL3,364981:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	165785	165785
DRO by AK 102	389510	389510
TPH-DRO (C10-C28)	442147	442147
Motor Oil Range (C24-C36)	181686	181686
Diesel Fuel Range	342102	342102
Motor Oil Range	204704	204704
Diesel Fuel Range SG	342102	342102
Motor Oil Range SG	204704	204704
C10-C36	555295	555295
n-Triacontane (S)	18725	12598
o-Terphenyl (S)	21908	15641

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000027.D
Lab Smp Id: DMO-CAL4,364982:2 Client Smp ID: DMO-CAL4,364982:2
Inj Date : 09-MAY-2022 15:54
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal4,364982:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS					
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)		REVIEW	CODE
S 1 DRO by AK 102					CAS #:			
0.800	- 3.380		517634	50.0000	43.2		(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:			
2.563	2.565	-0.002	30411	5.00000	5.00		(M)	BA
$ 3 n-Triacontane (S)					CAS #:			
4.014	4.017	-0.003	24771	5.00000	5.09		(M)	BA
S 4 Residual Range Organics AK103					CAS #:			
3.381	- 4.820		234087	50.0000	43.8		(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:			
0.800	- 3.950		589190	50.0000	44.0		(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:			
3.240	- 4.820		251409	50.0000	43.8		(M)	RNG
S 7 C10-C36					CAS #:			
0.800	- 4.820		751878	100.000	86.9		(M)	RNG
S 8 Diesel Fuel Range					CAS #:			
1.240	- 3.430		448600	50.0000	42.7		(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:			
1.240	- 3.430		448600	50.0000	42.7		(M)	RNG
S 10 Motor Oil Range					CAS #:			
3.431	- 5.330		289607	50.0000	45.0		(M)	RNG
S 11 Motor Oil Range SG					CAS #:			
3.431	- 5.330		289607	50.0000	45.5		(M)	RNG

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

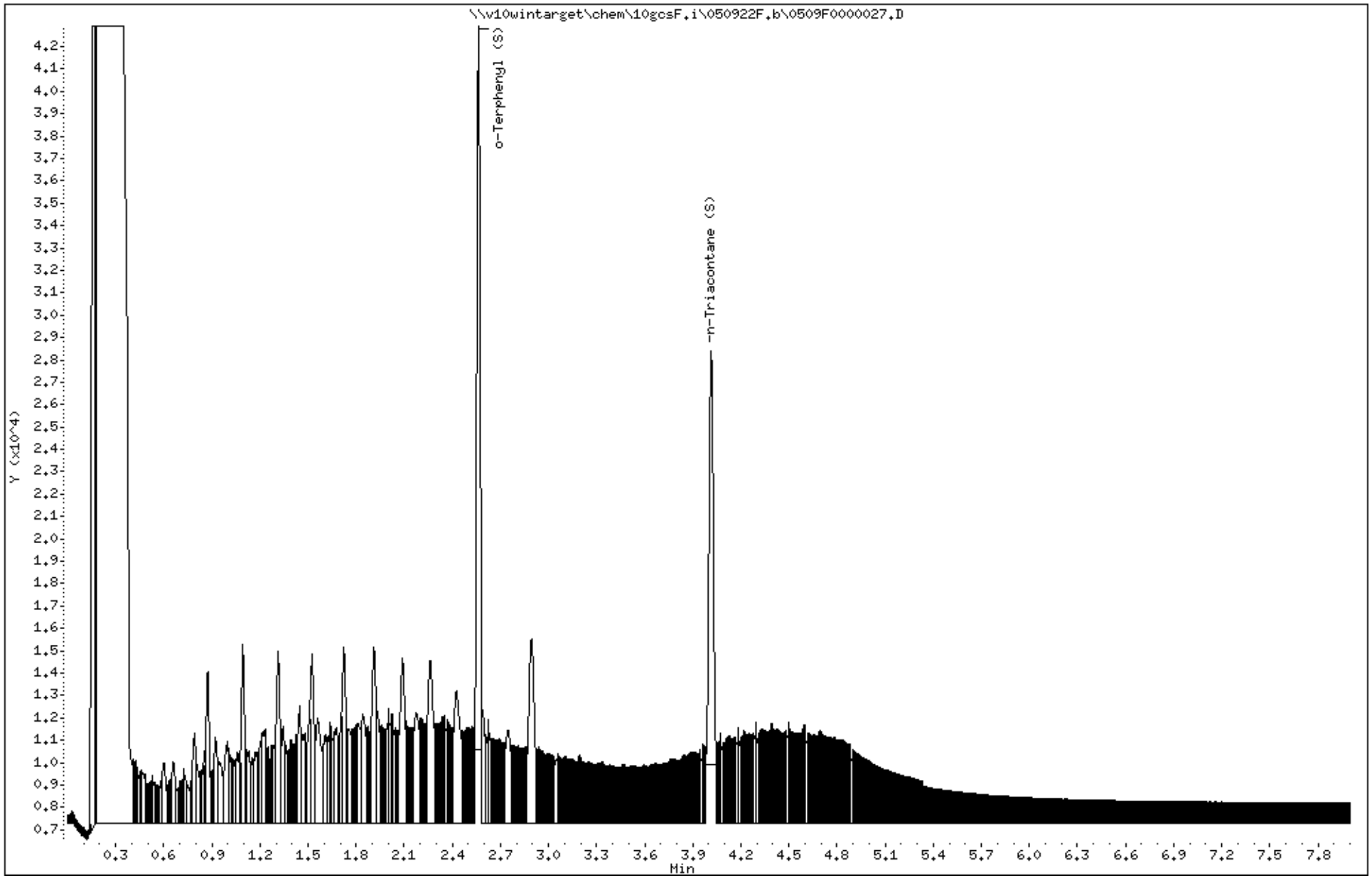
RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000027.D
Date : 09-MAY-2022 15:54
Client ID: DMO-CAL4,364982:2
Sample Info: DMO-CAL4,364982:2

Column phase: DB-5-US21390001

Instrument: 10gcsF.i

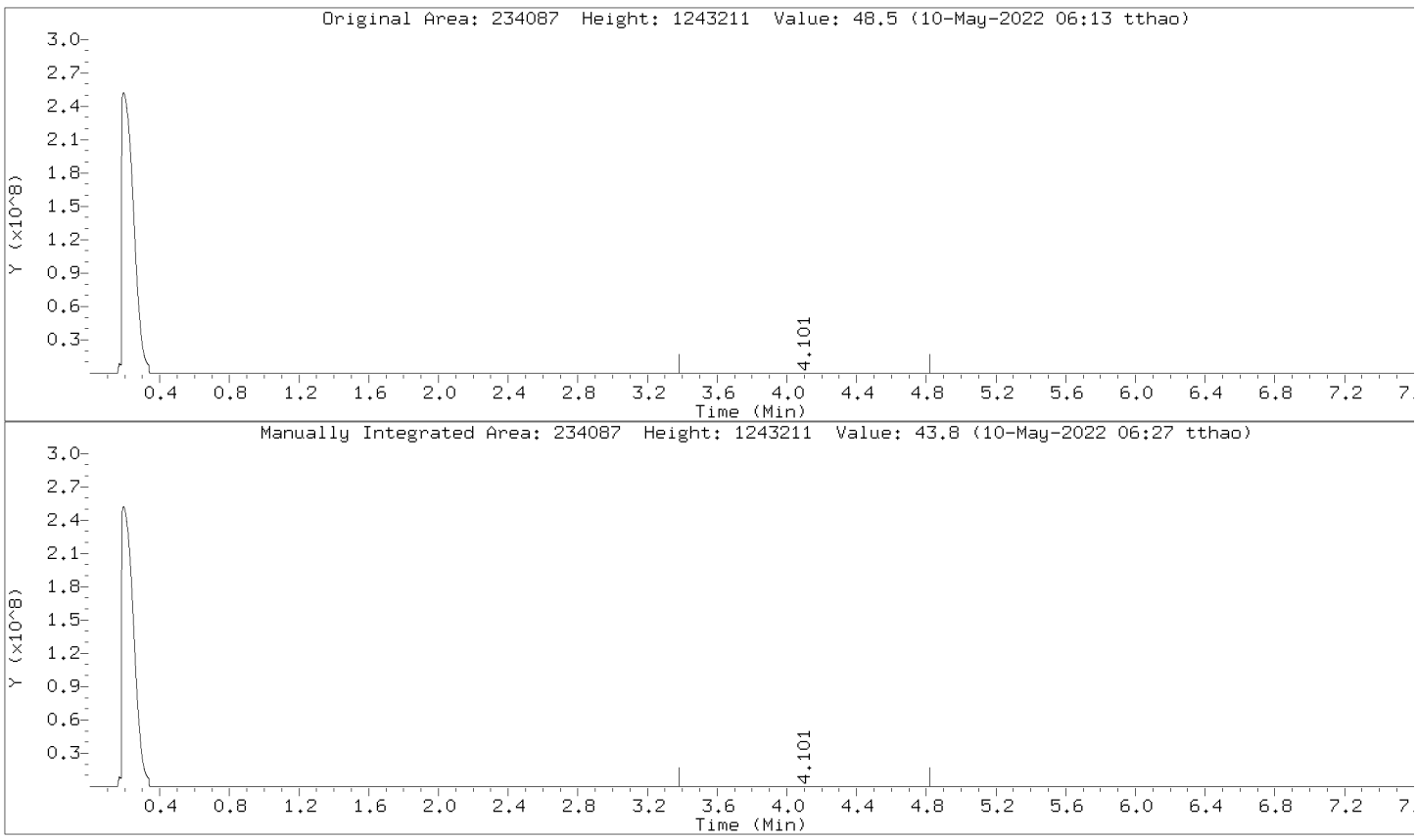
Operator: TT2
Column diameter: 0.32



190 of 1506
103 of 723
10606565

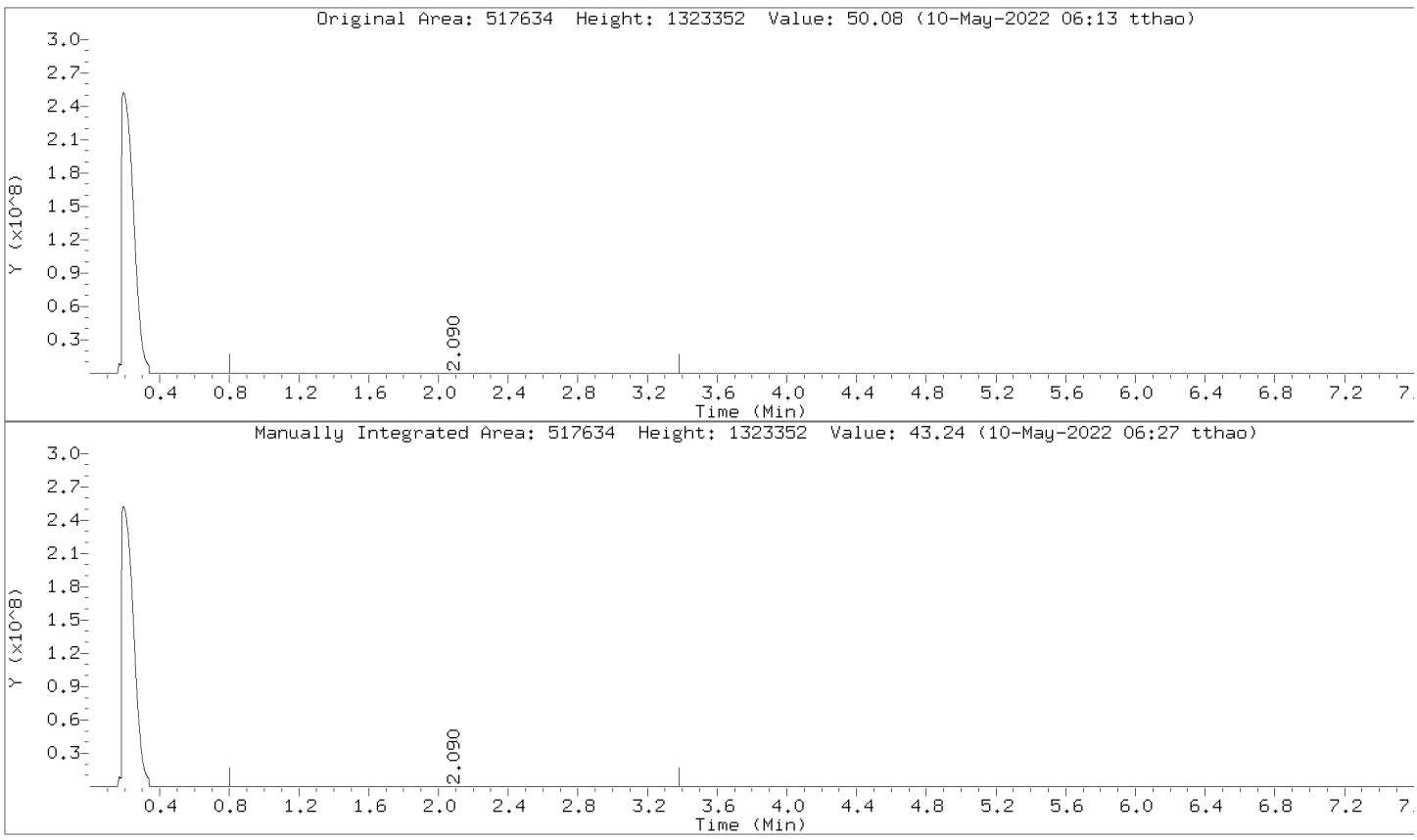
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



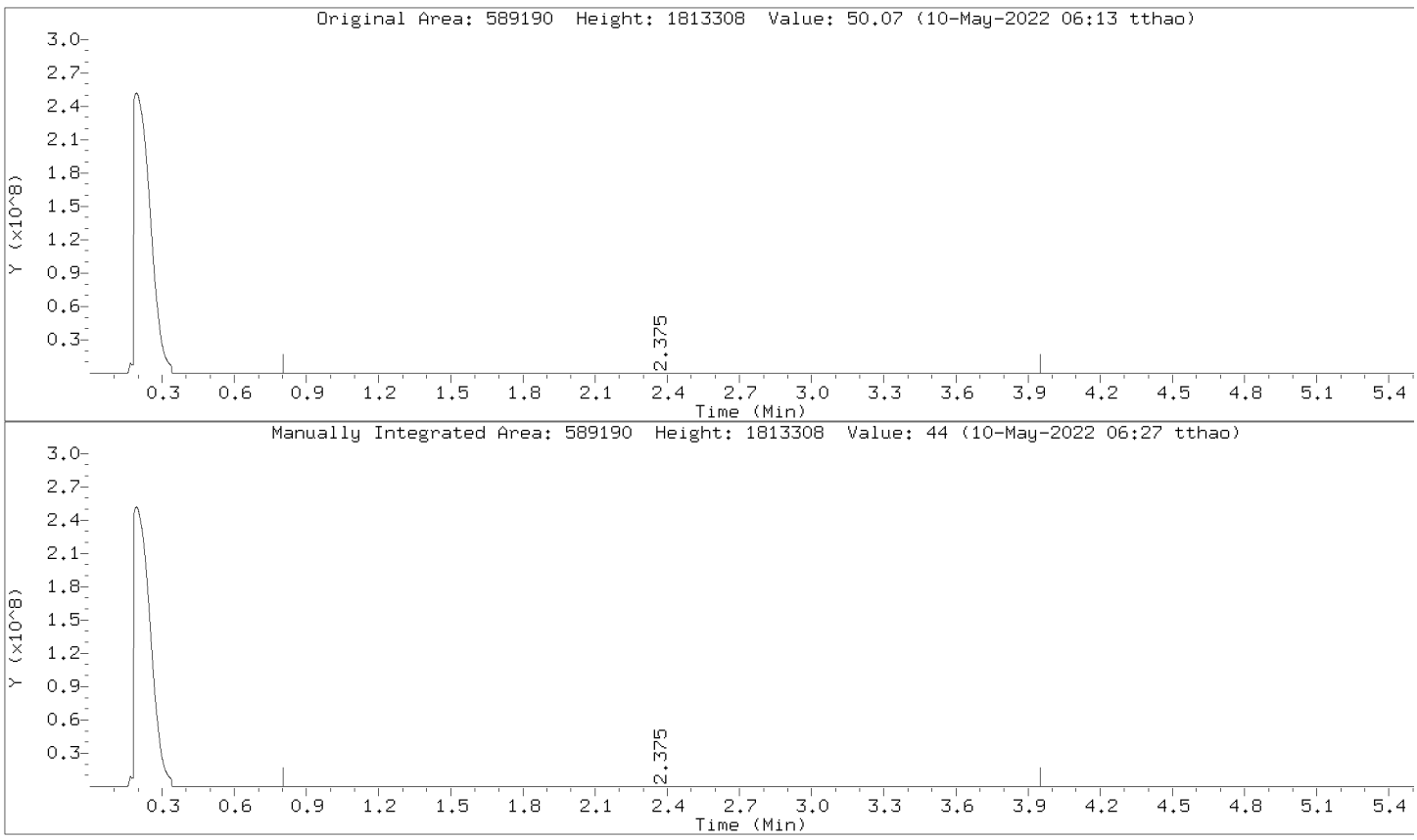
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



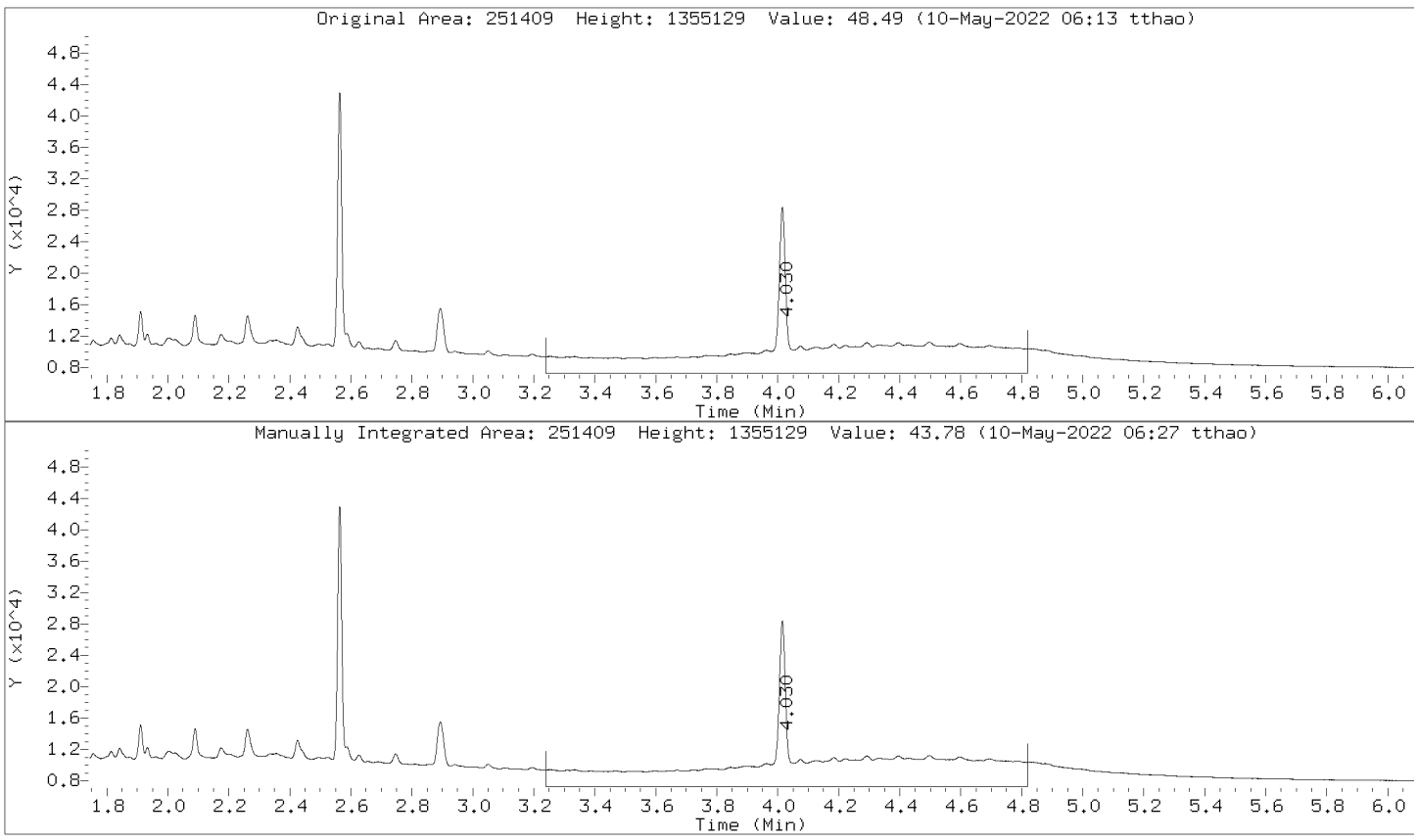
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



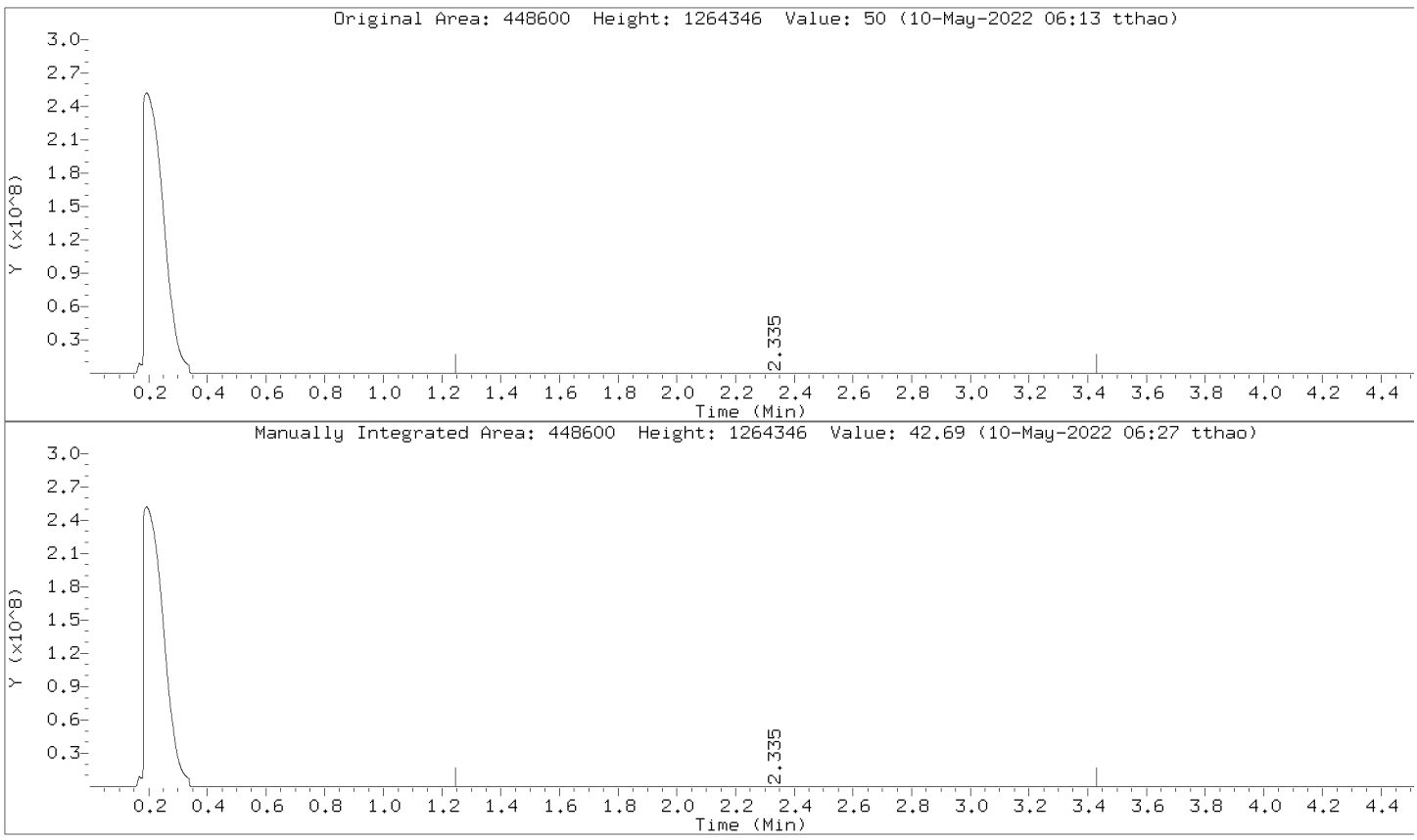
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



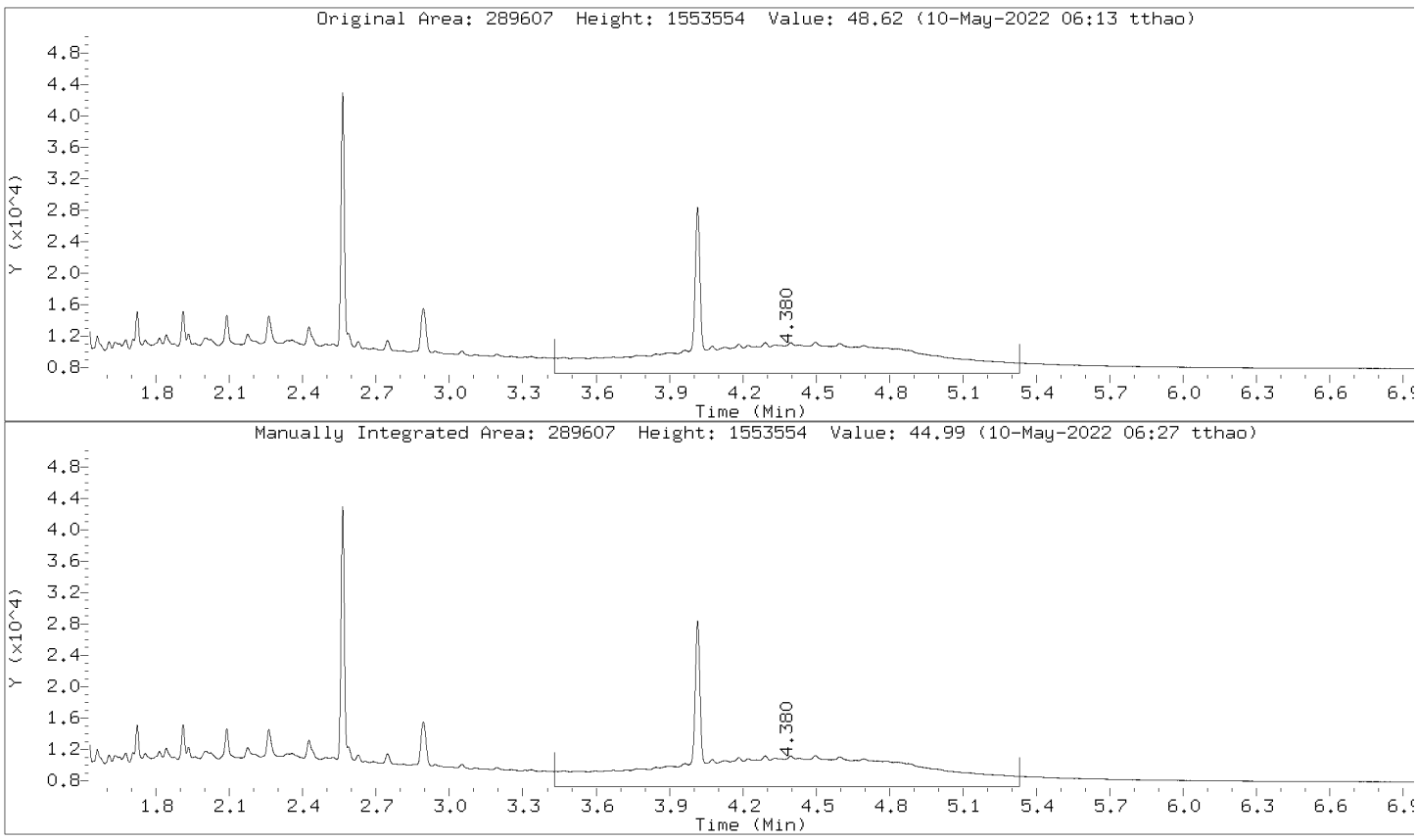
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



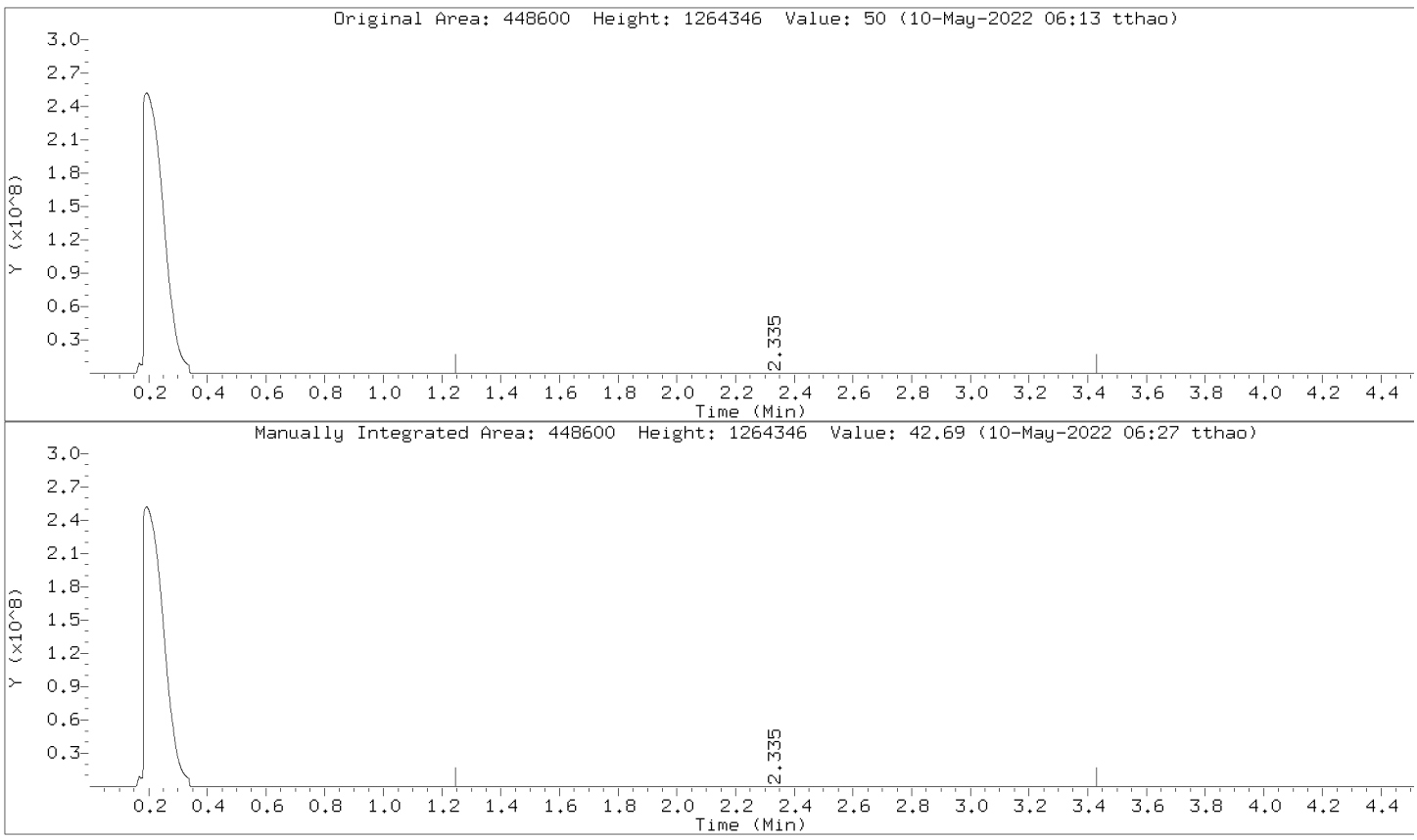
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



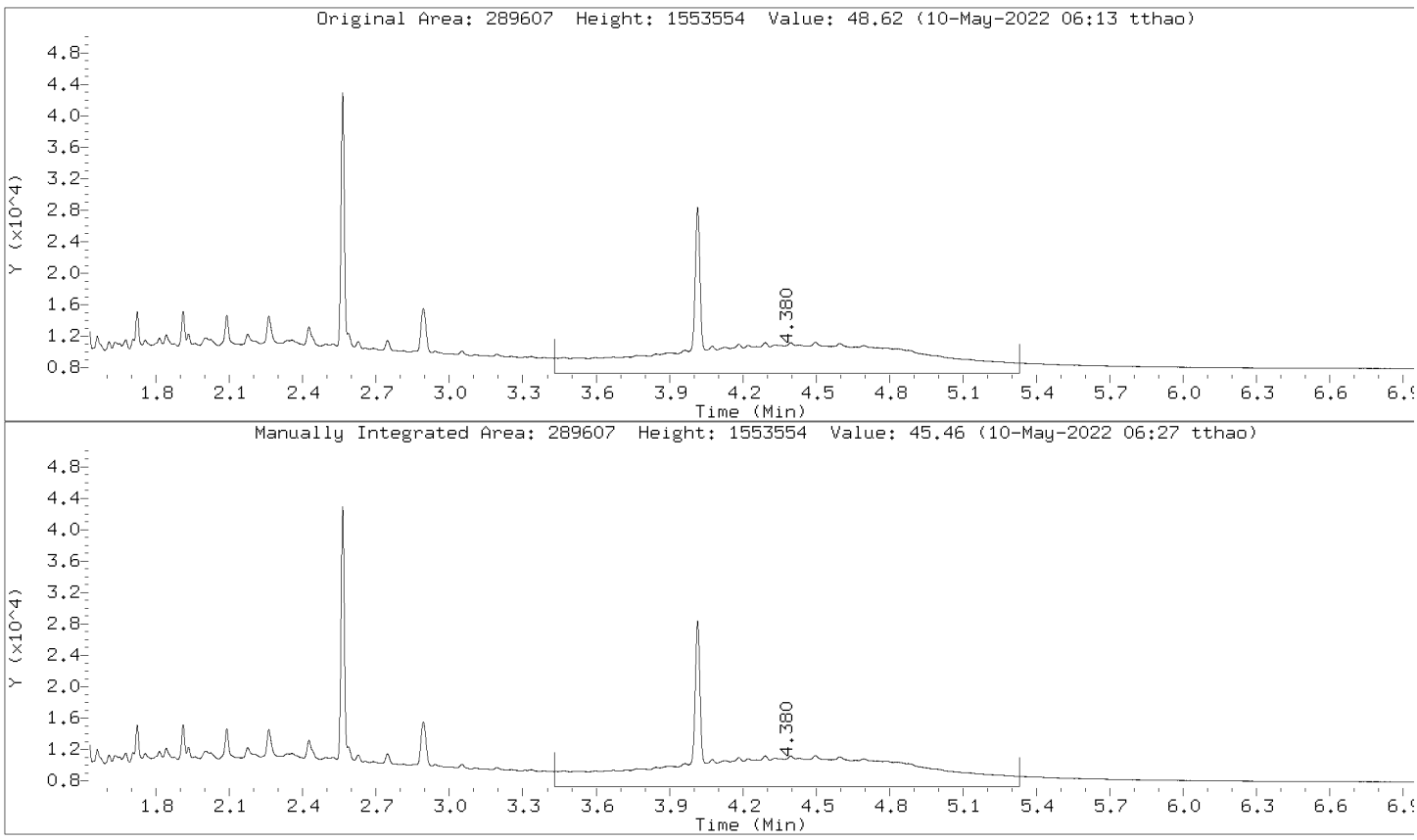
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



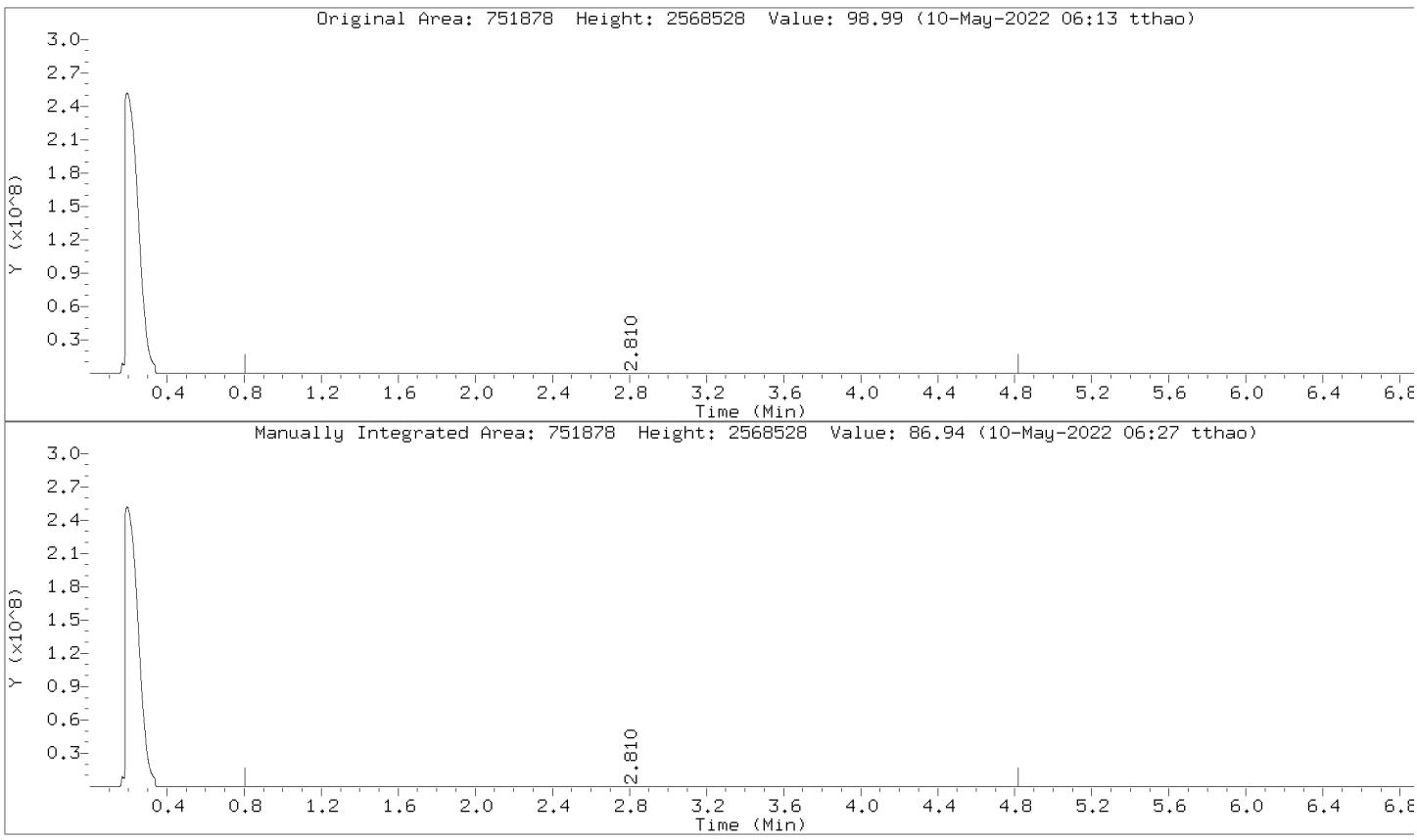
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



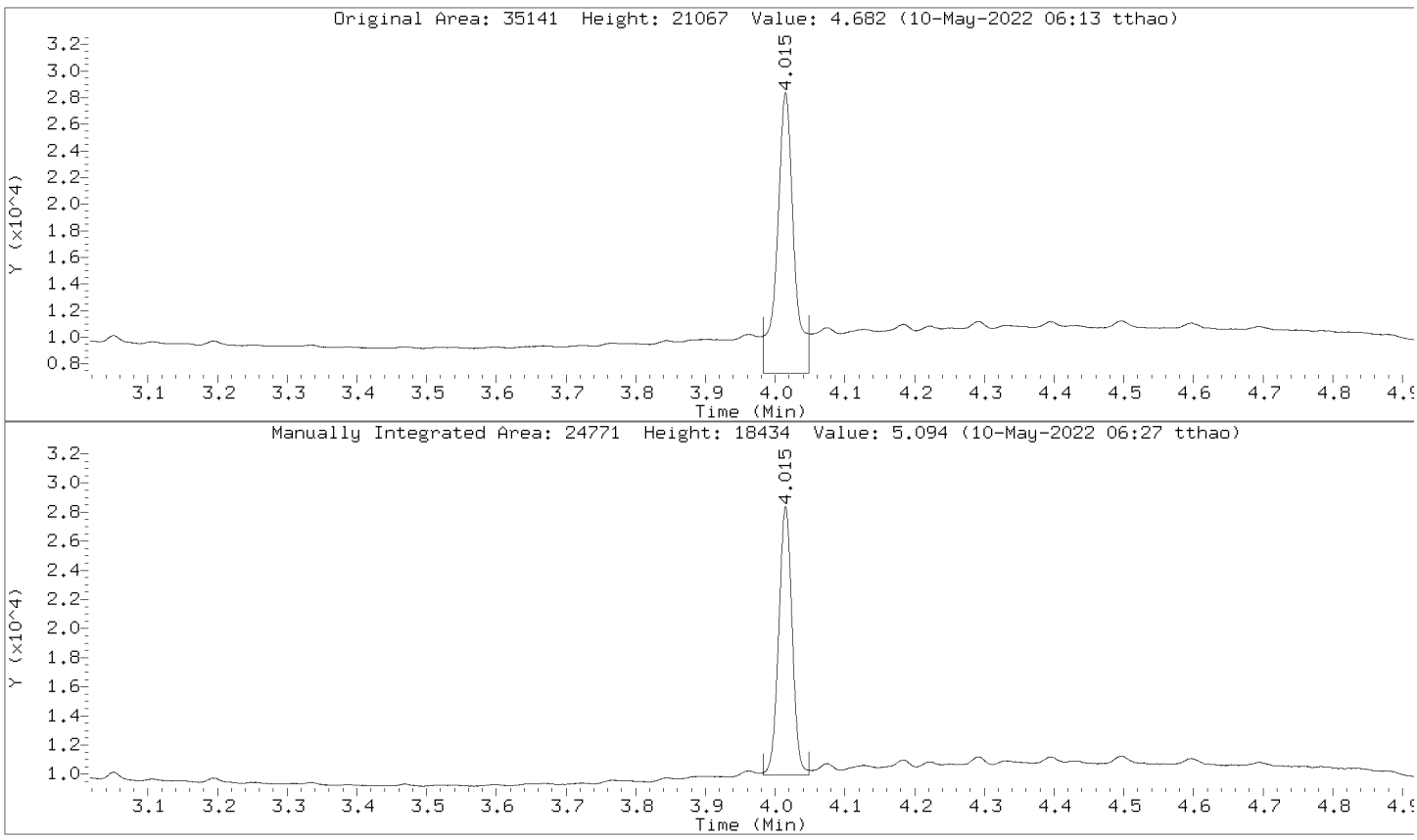
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: C10-C36 Review Code: RNG
CAS Number:



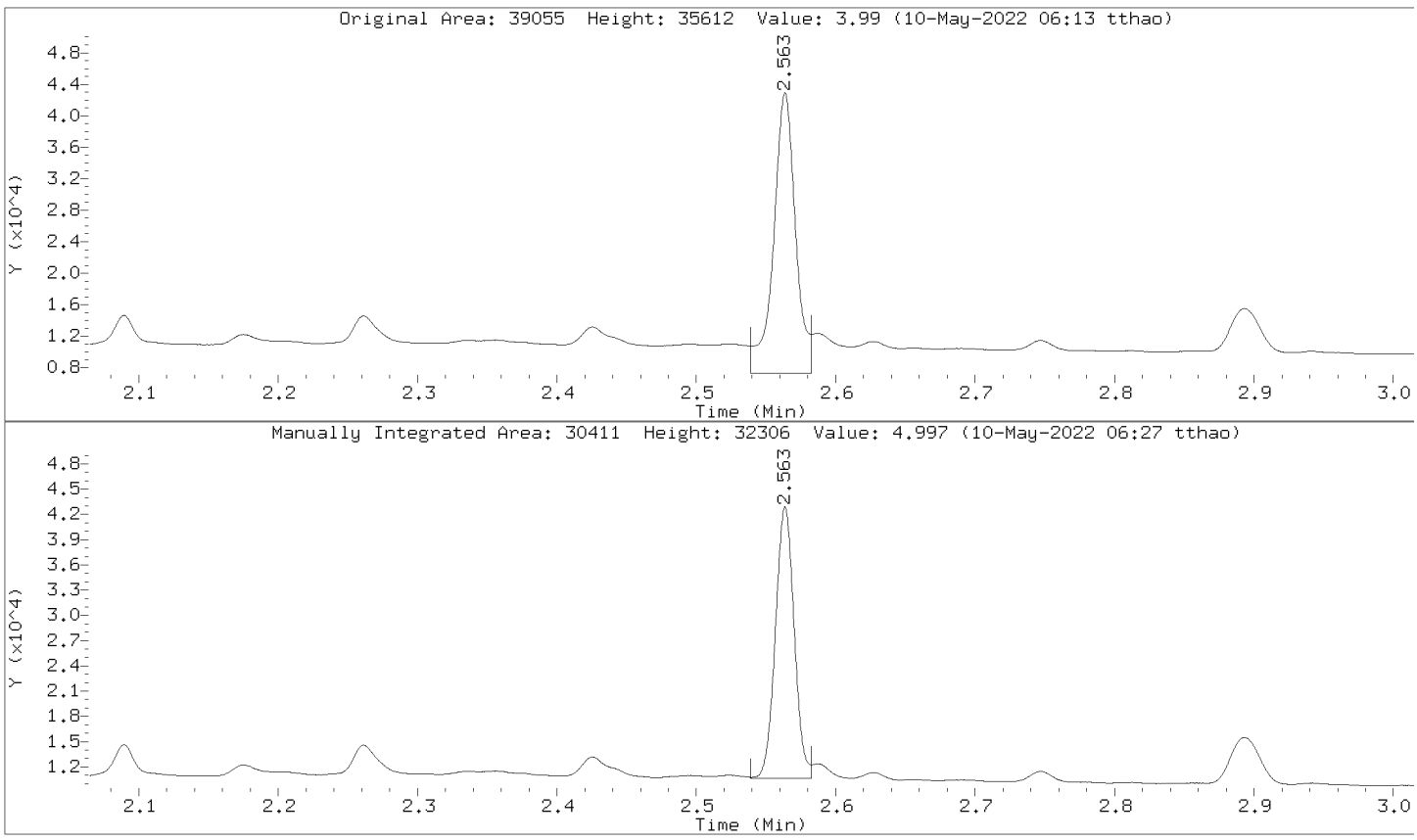
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000027.D
Injection Date: 09-MAY-2022 15:54
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL4,364982:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	234087	234087
DRO by AK 102	517634	517634
TPH-DRO (C10-C28)	589190	589190
Motor Oil Range (C24-C36)	251409	251409
Diesel Fuel Range	448600	448600
Motor Oil Range	289607	289607
Diesel Fuel Range SG	448600	448600
Motor Oil Range SG	289607	289607
C10-C36	751878	751878
n-Triacontane (S)	35141	24771
o-Terphenyl (S)	39055	30411

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000028.D
Lab Smp Id: DMO-CAL5,364983:2 Client Smp ID: DMO-CAL5,364983:2
Inj Date : 09-MAY-2022 16:06
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal5,364983:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		786984	100.000	95.2	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.564	2.565	-0.001	60435	10.0000	9.93	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.015	4.017	-0.002	48857	10.0000	10.0	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		404664	100.000	97.0	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		897834	100.000	95.7	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		428533	100.000	96.8	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		1191648	200.000	192	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		674532	100.000	94.8	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		674532	100.000	94.8	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		494946	100.000	97.8	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		494946	100.000	98.2	(M)	RNG

QC Flag Legend

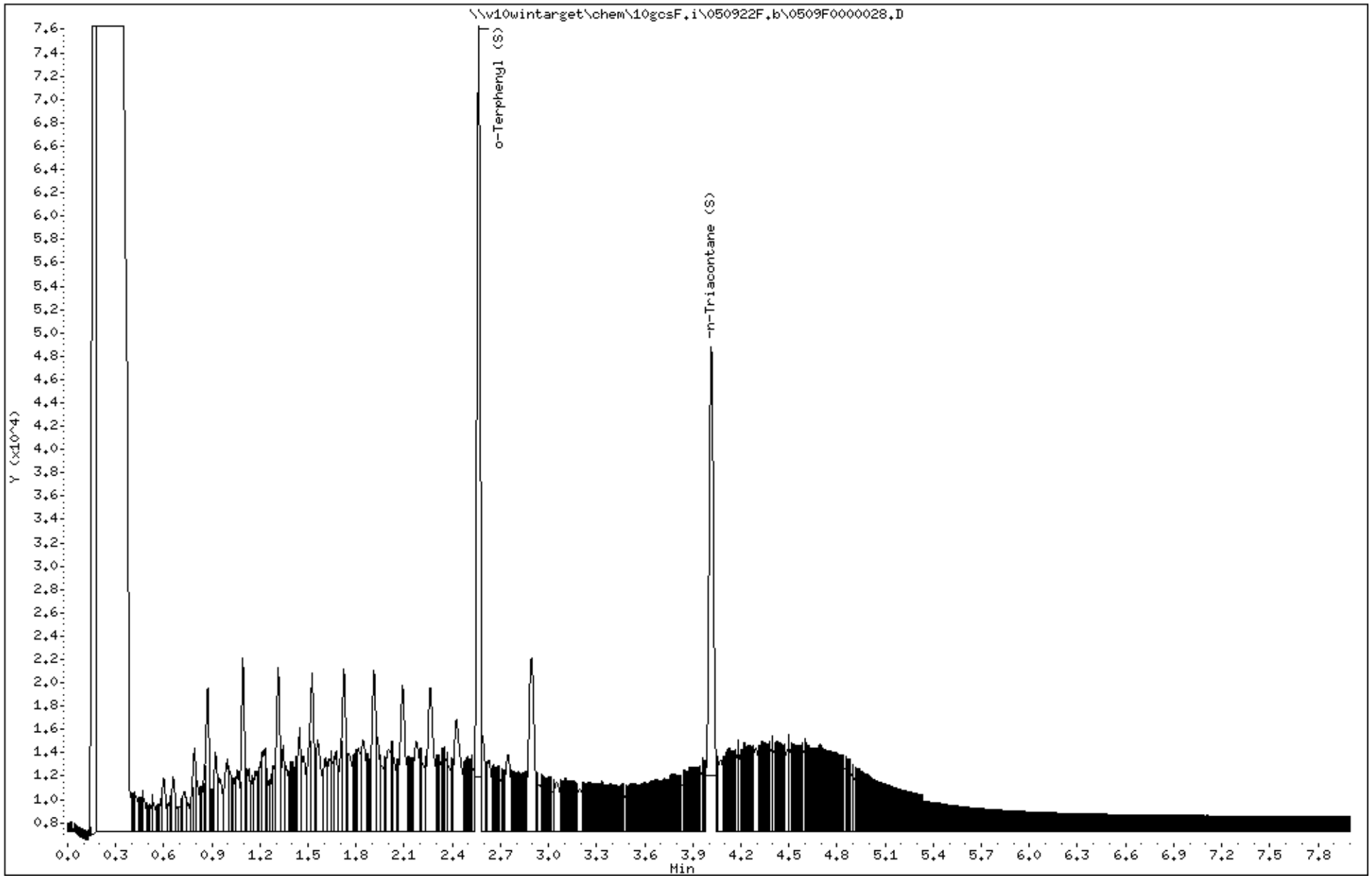
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000028.D
Date : 09-MAY-2022 16:06
Client ID: DMO-CAL5,364983:2
Sample Info: DMO-CAL5,364983:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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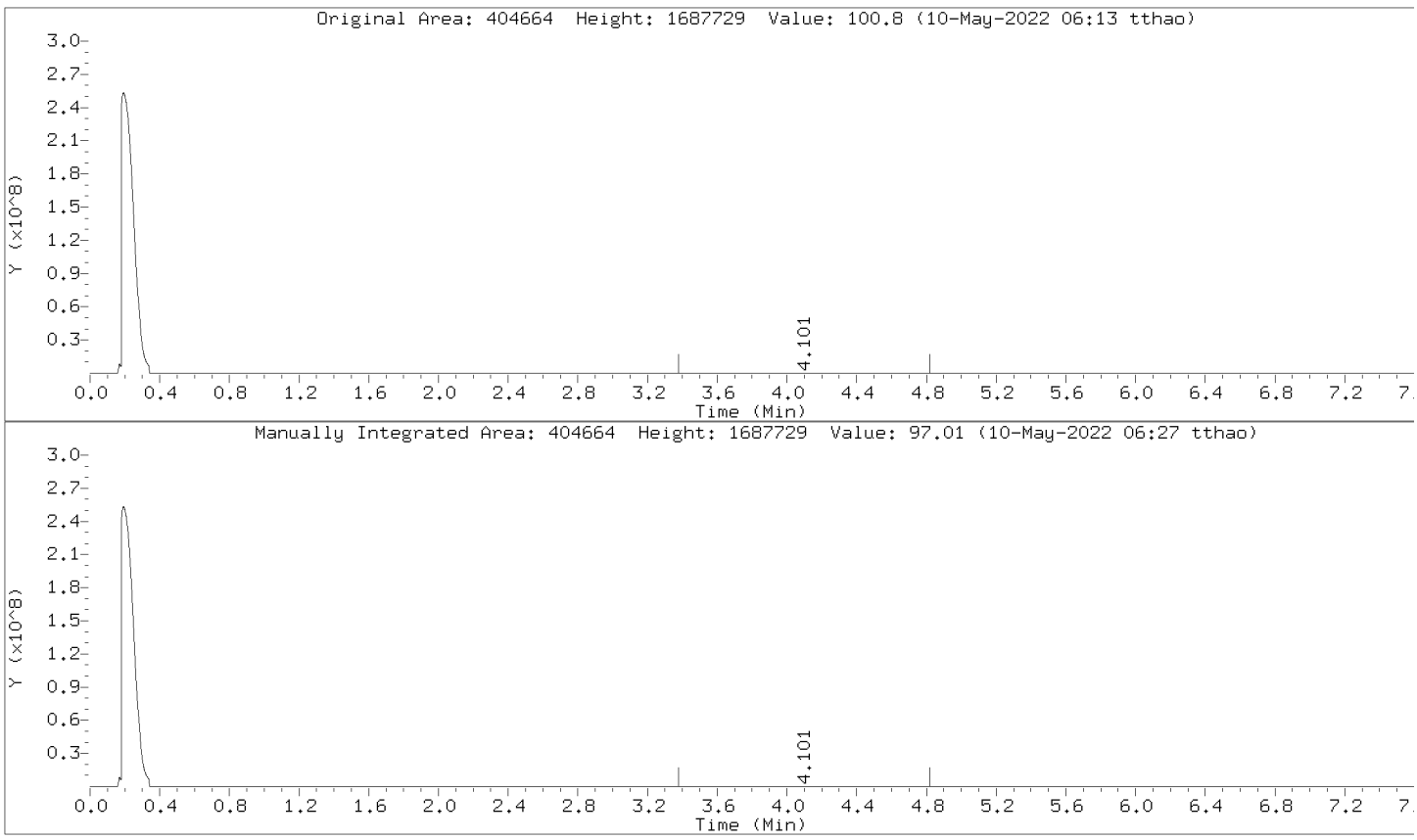
117 of 723
10606565

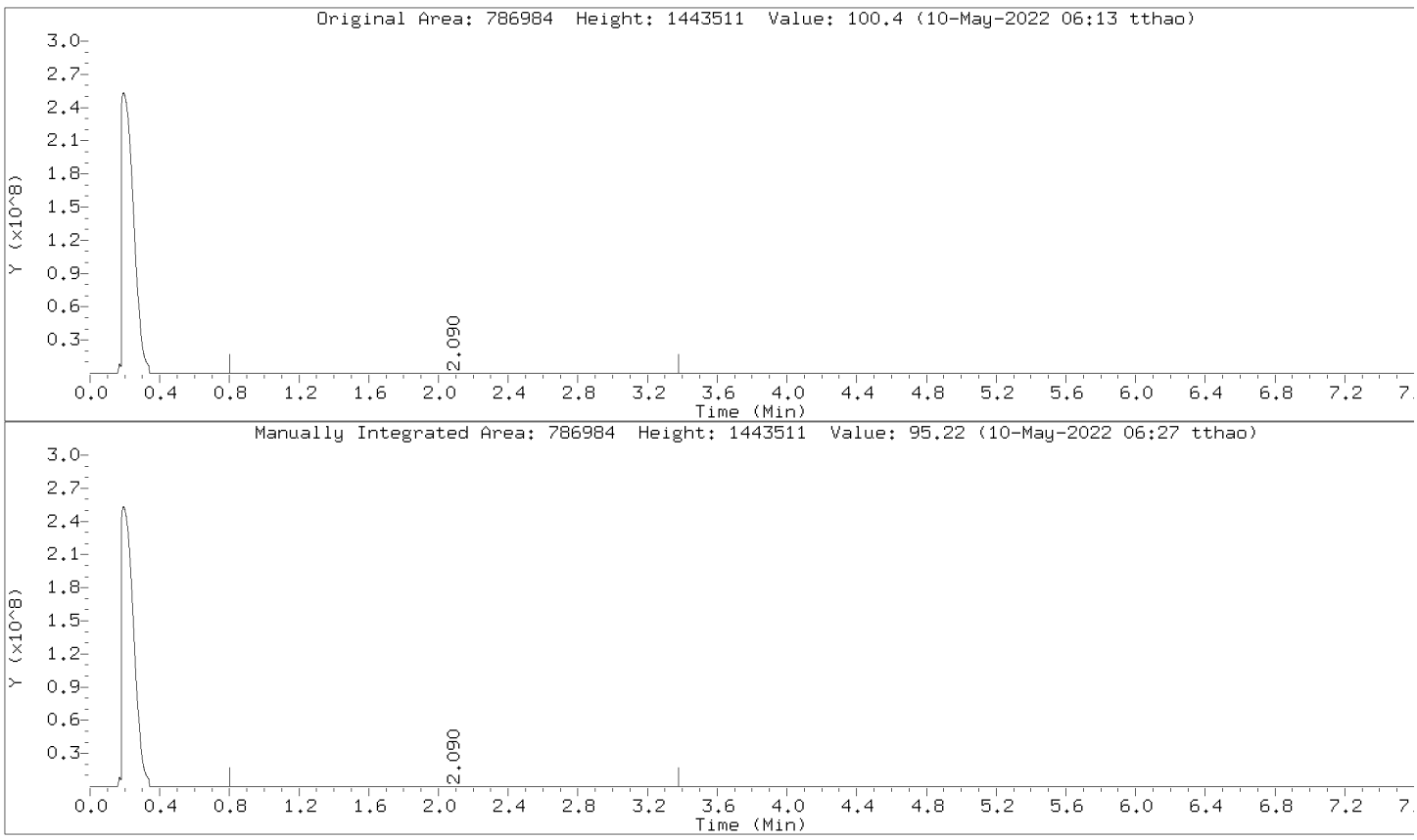
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



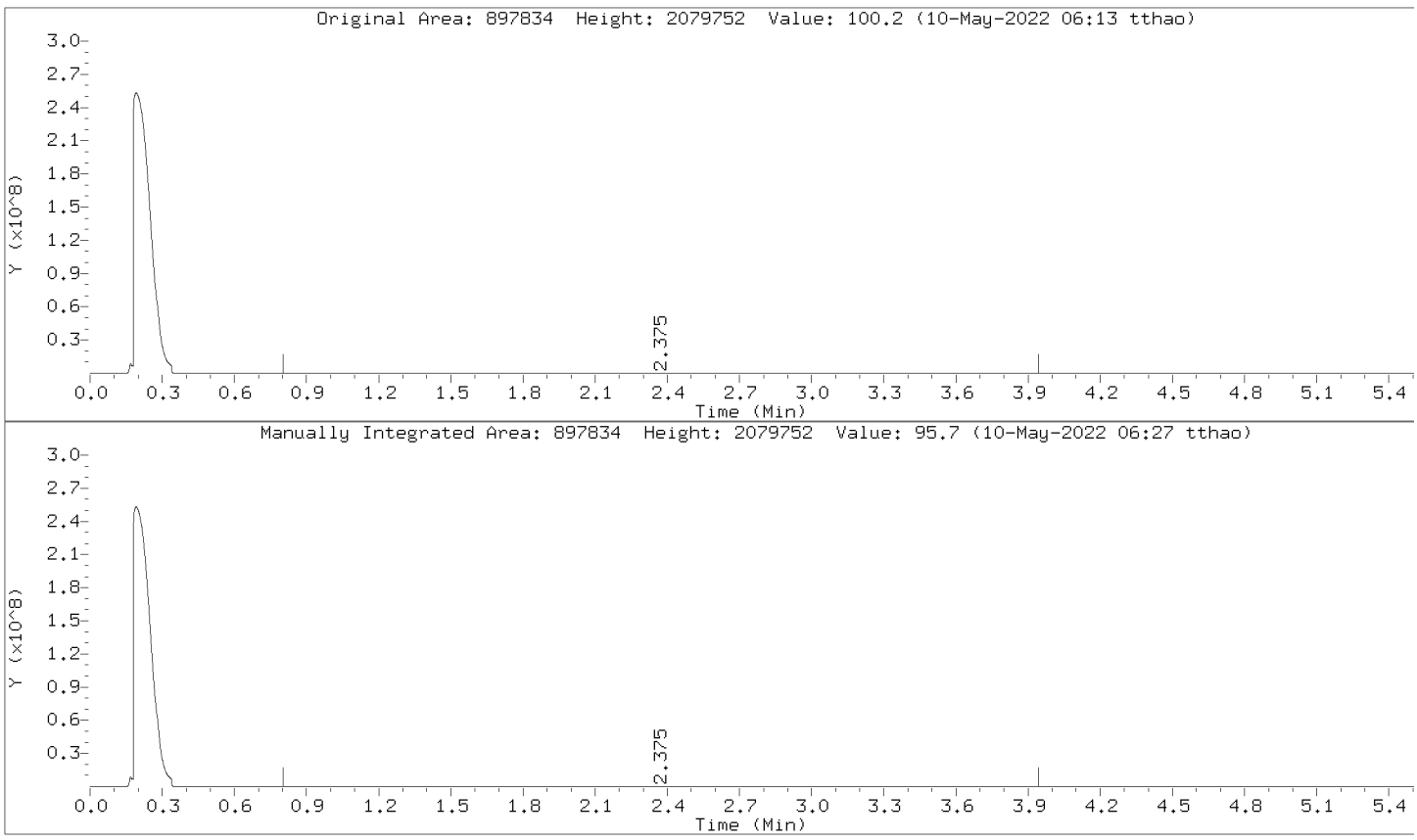
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



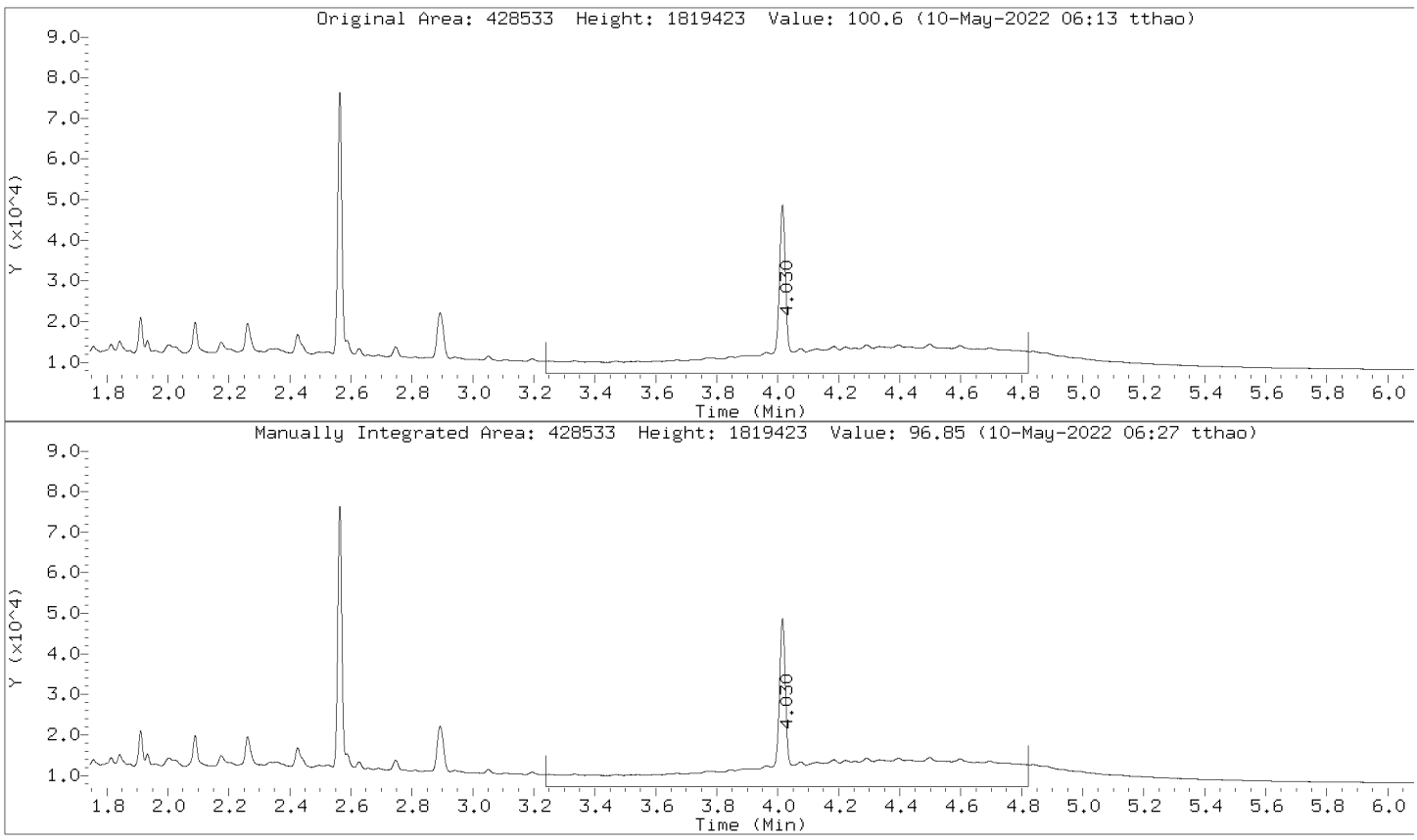
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



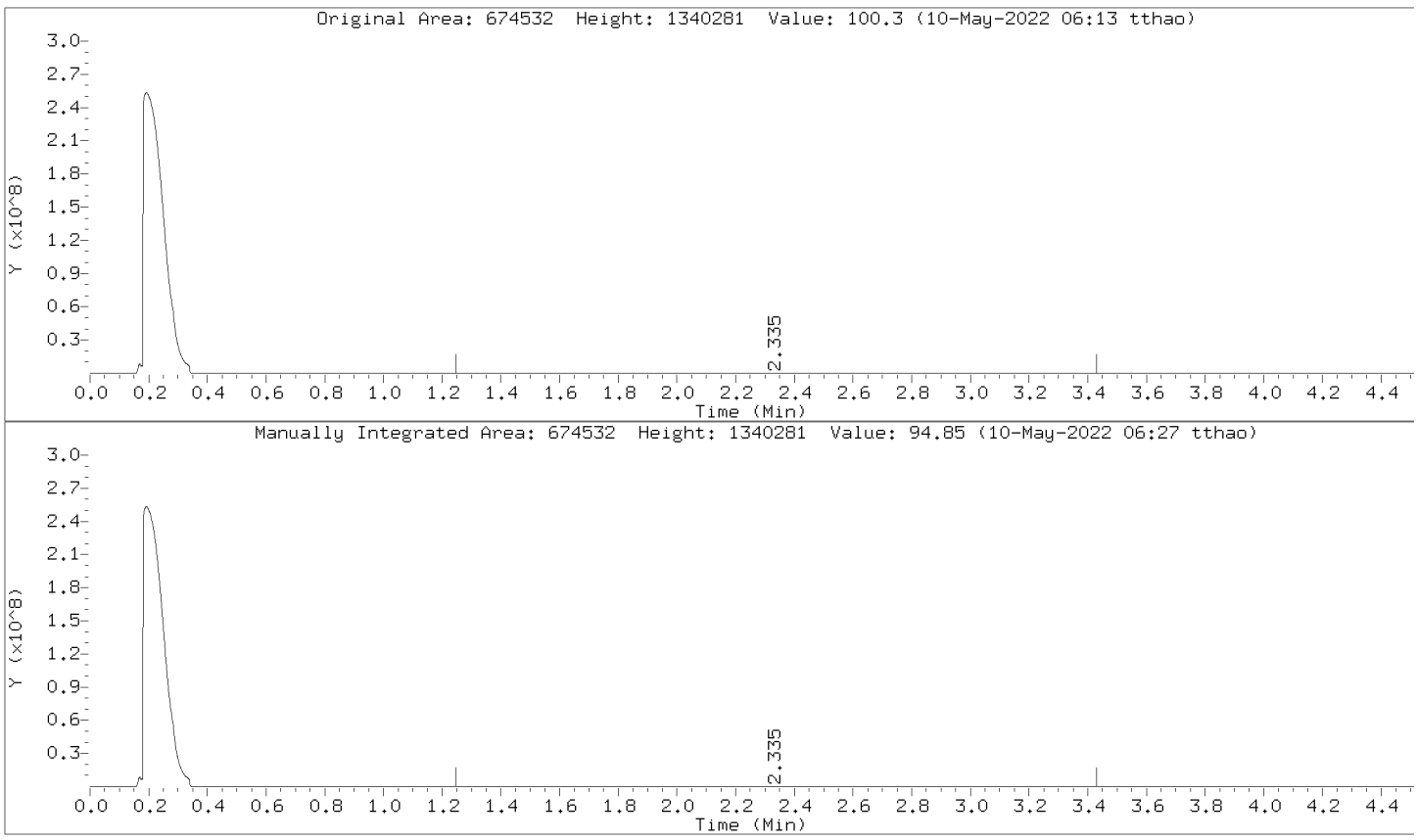
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



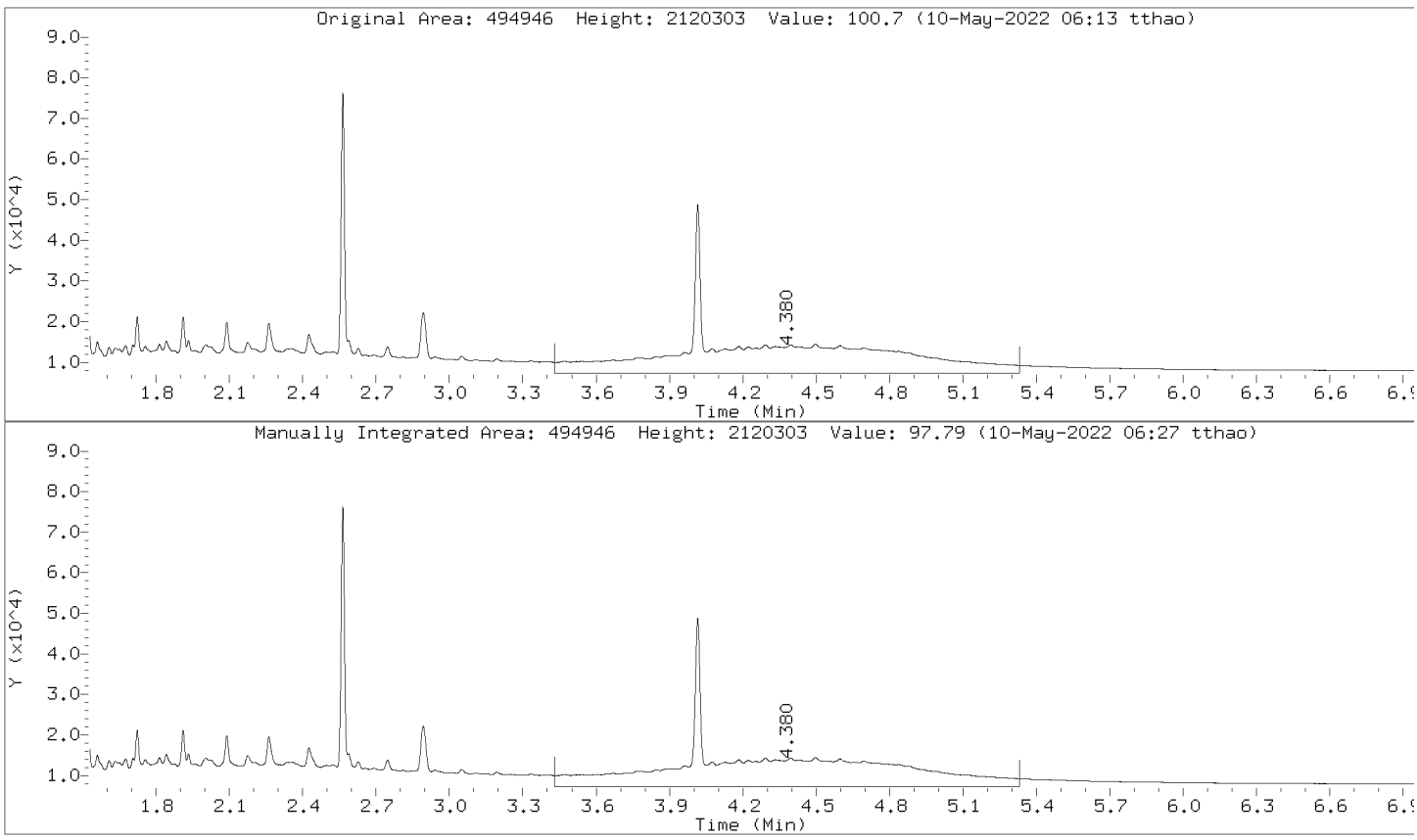
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



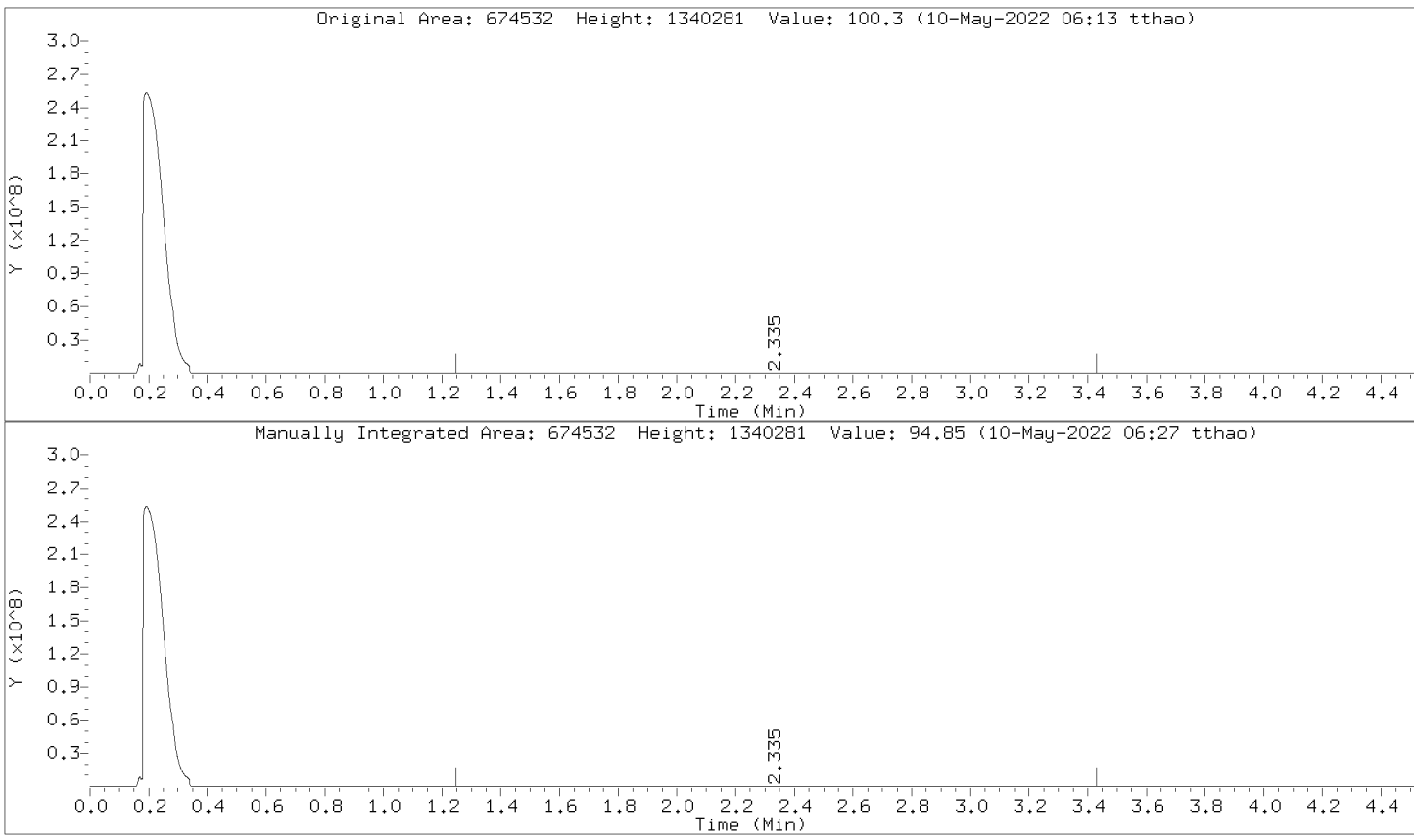
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



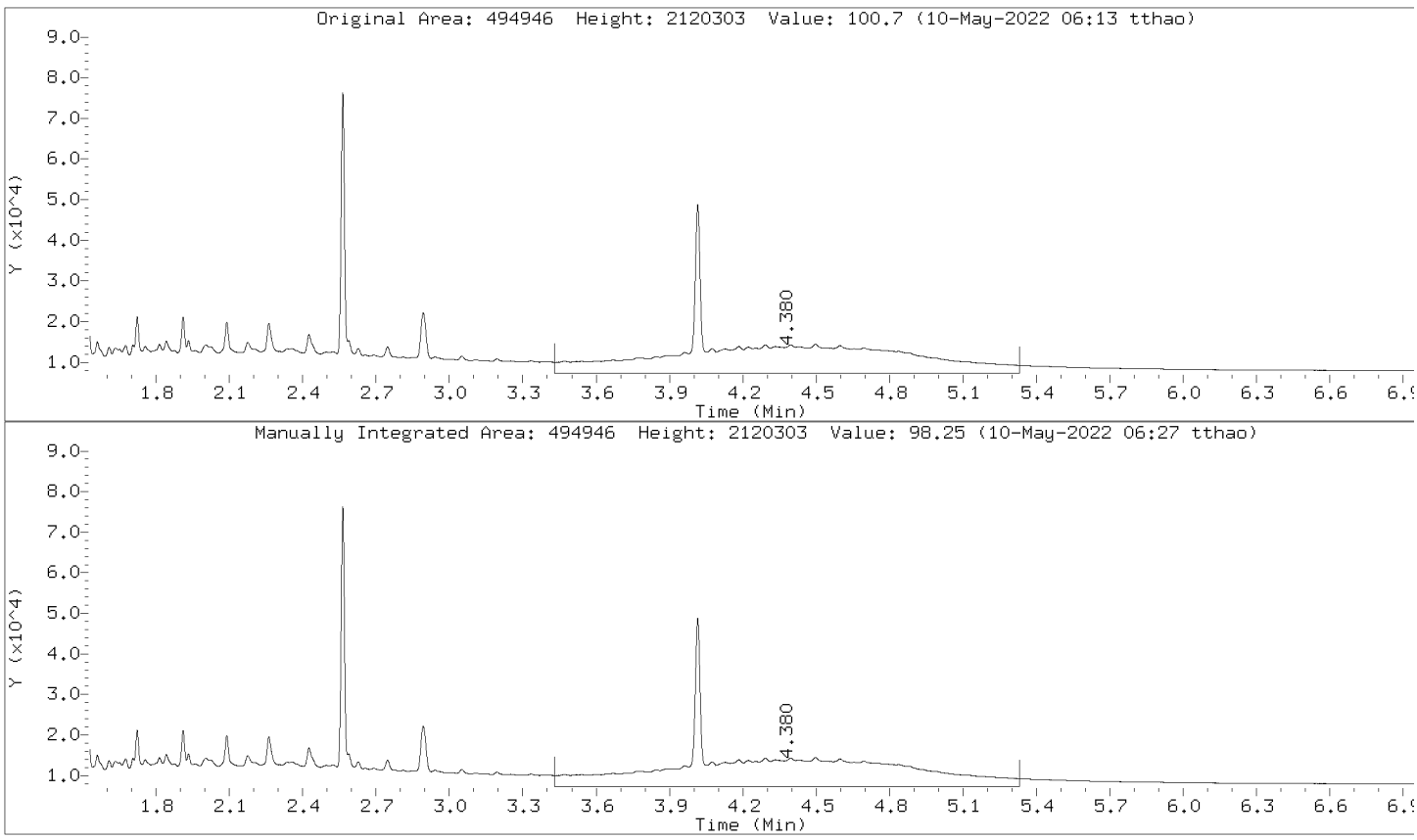
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



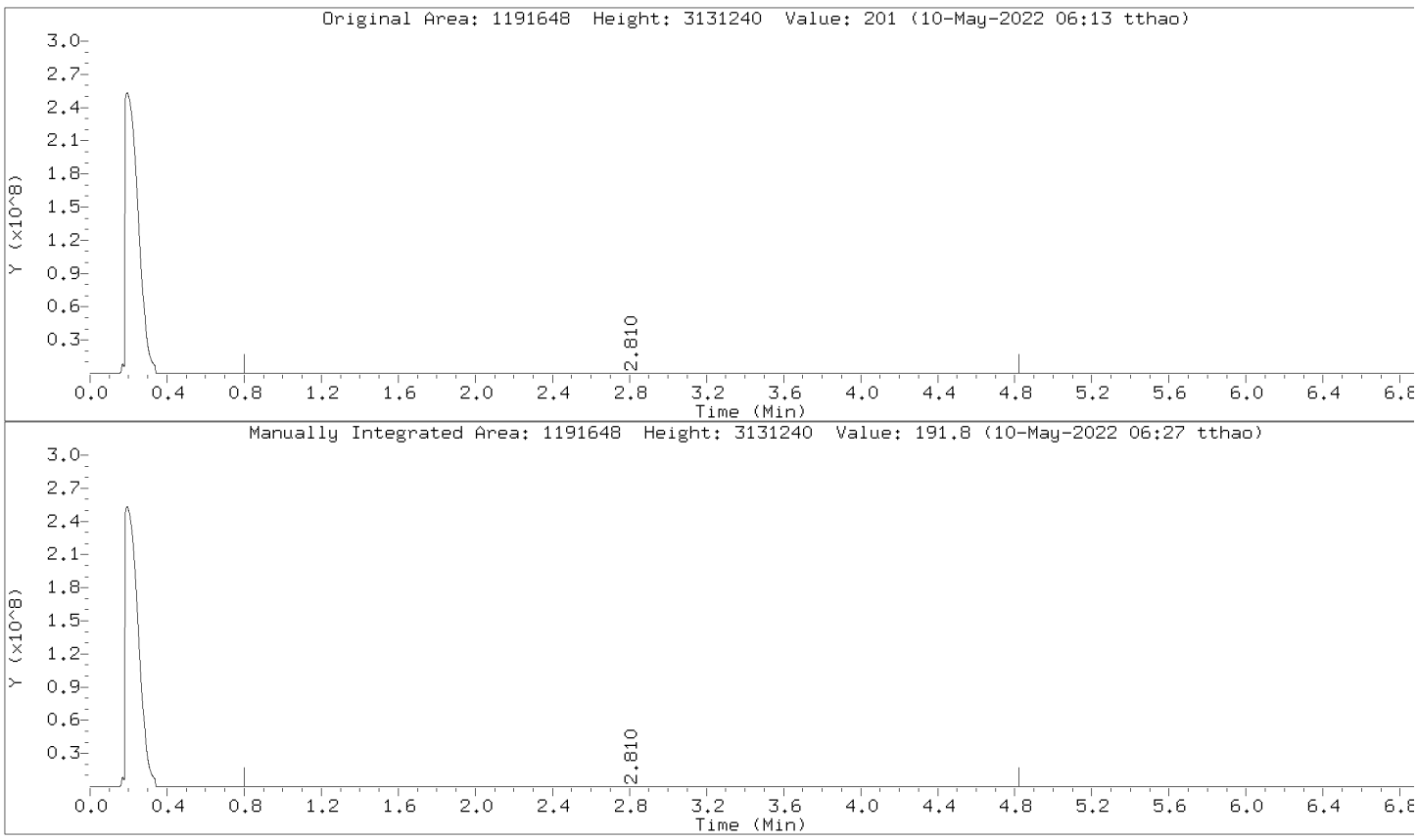
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



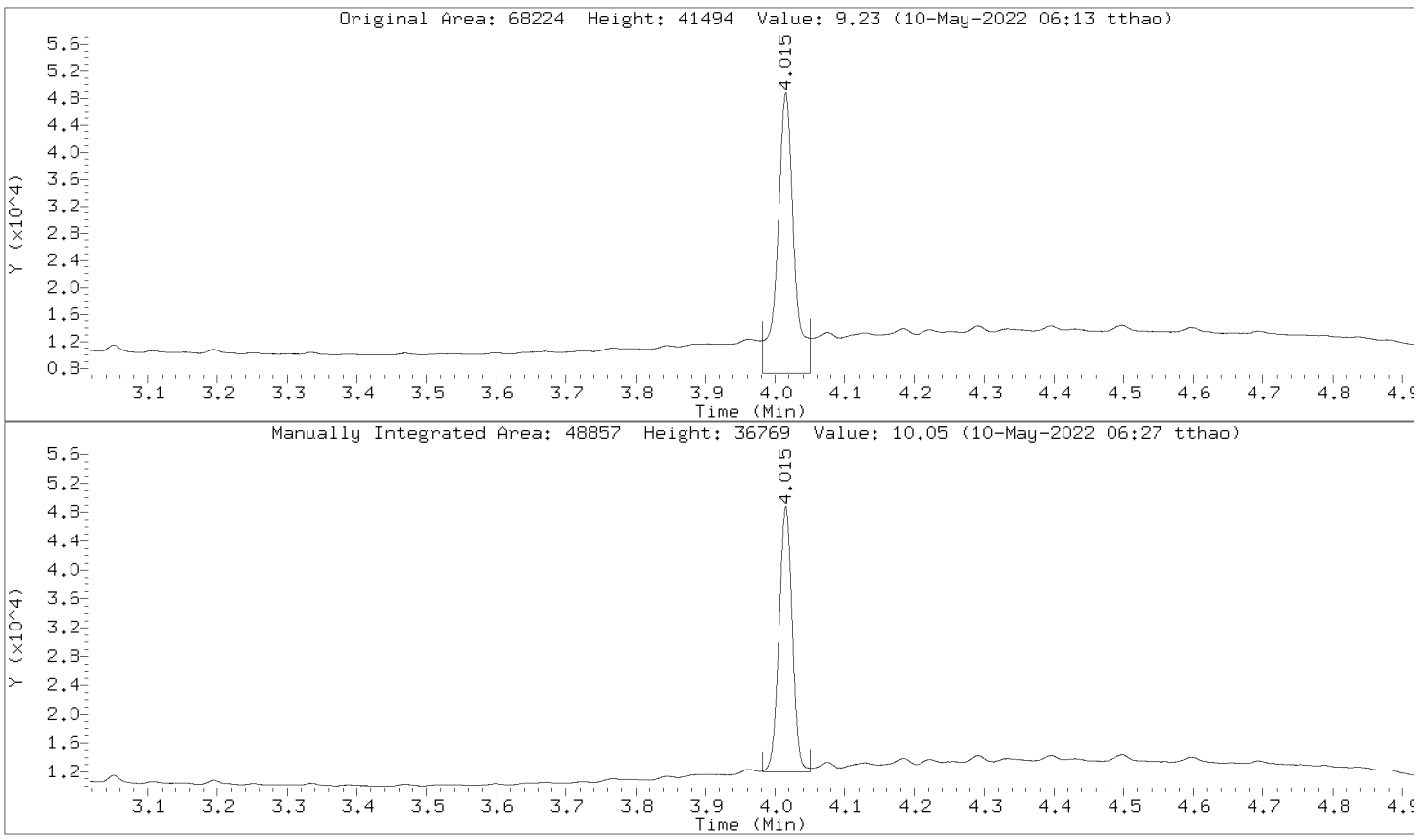
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: C10-C36 Review Code: RNG
CAS Number:



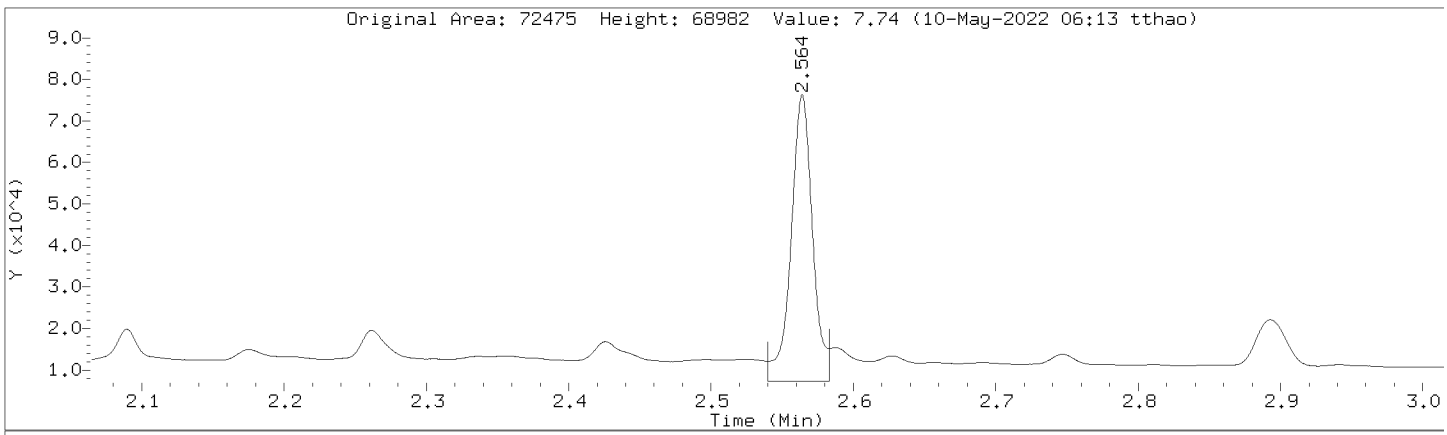
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

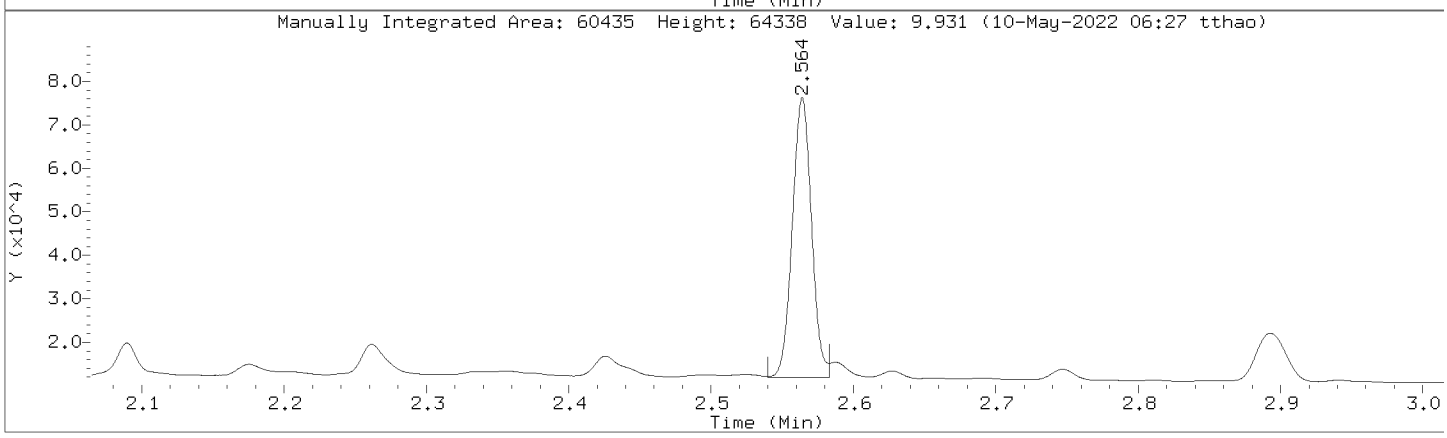
Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000028.D
Injection Date: 09-MAY-2022 16:06
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL5,364983:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:





Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	404664	404664
DRO by AK 102	786984	786984
TPH-DRO (C10-C28)	897834	897834
Motor Oil Range (C24-C36)	428533	428533
Diesel Fuel Range	674532	674532
Motor Oil Range	494946	494946
Diesel Fuel Range SG	674532	674532
Motor Oil Range SG	494946	494946
C10-C36	1191648	1191648
n-Triacontane (S)	68224	48857
o-Terphenyl (S)	72475	60435

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000029.D
Lab Smp Id: DMO-CAL6,364984:2 Client Smp ID: DMO-CAL6,364984:2
Inj Date : 09-MAY-2022 16:18
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal6,364984:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		1584516	250.000	249	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.564	2.565	-0.001	147678	25.0000	24.3	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.015	4.017	-0.002	120934	25.0000	24.9	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		894979	250.000	250	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		1810188	250.000	248	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		940953	250.000	250	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		2479496	500.000	499	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		1341847	250.000	249	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		1341847	250.000	249	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		1085964	250.000	250	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		1085964	250.000	250	(M)	RNG

QC Flag Legend

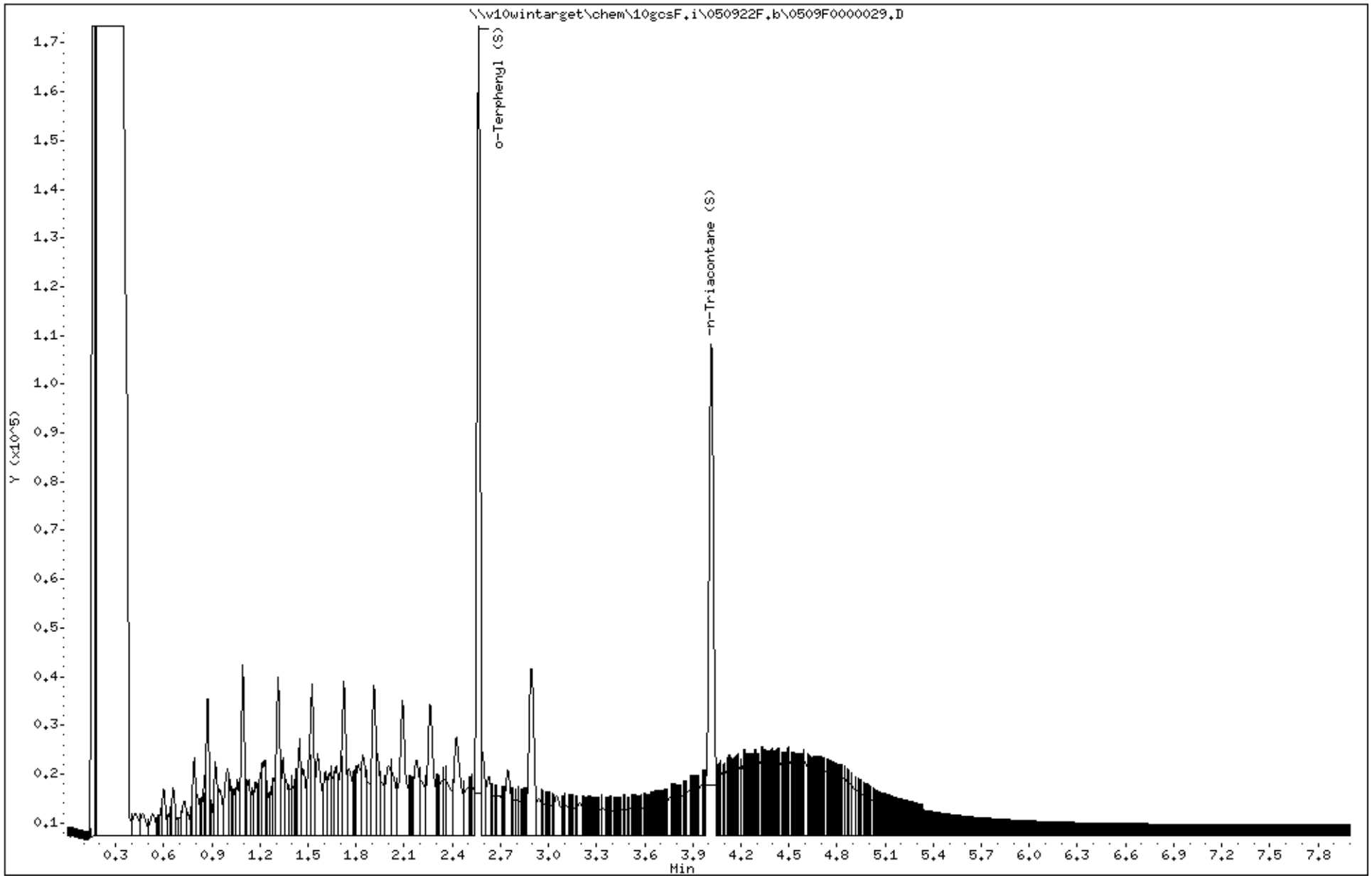
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000029.D
Date : 09-MAY-2022 16:18
Client ID: DMO-CAL6,364984:2
Sample Info: DMO-CAL6,364984:2

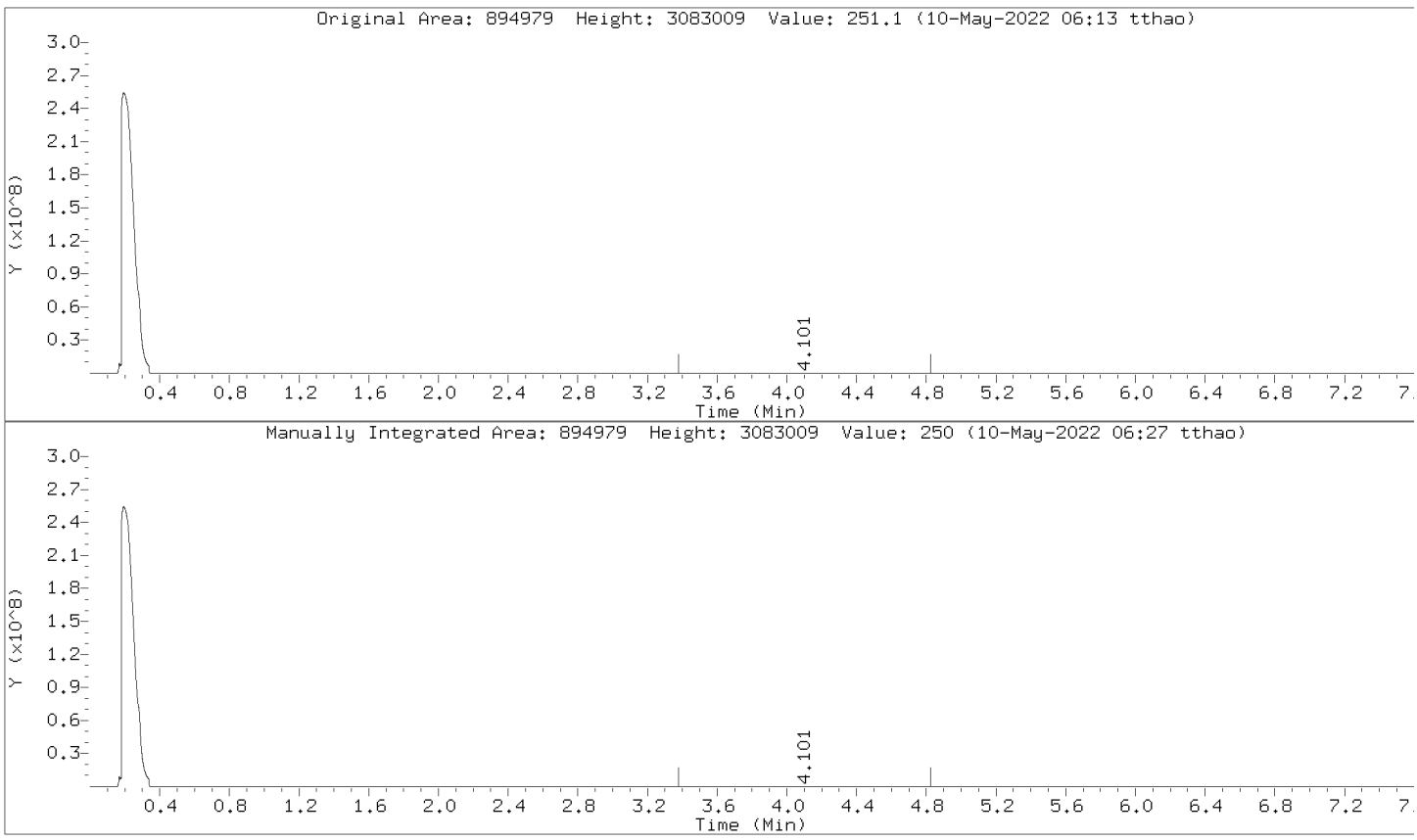
Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



218 of 1506
131 of 723
10606565

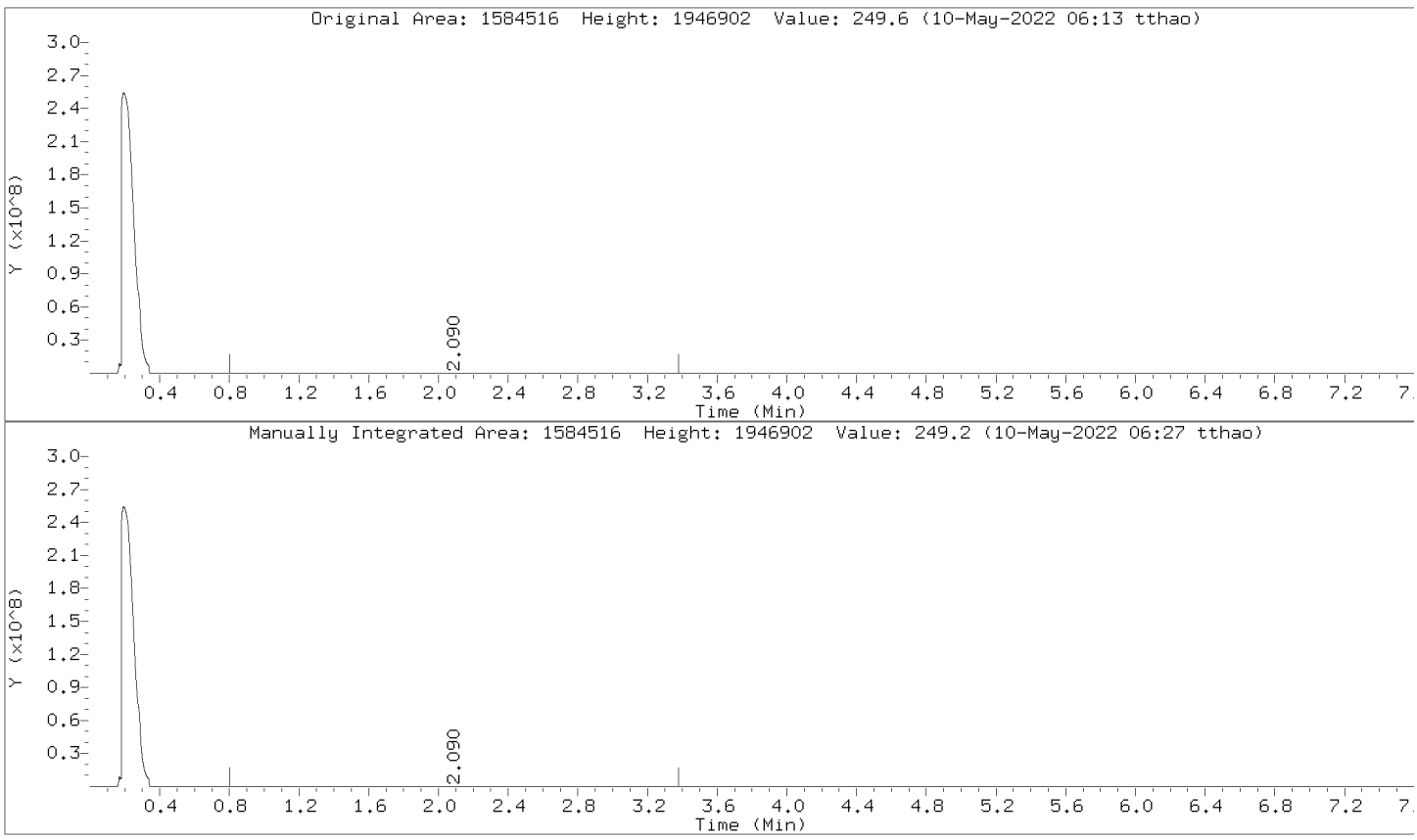
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



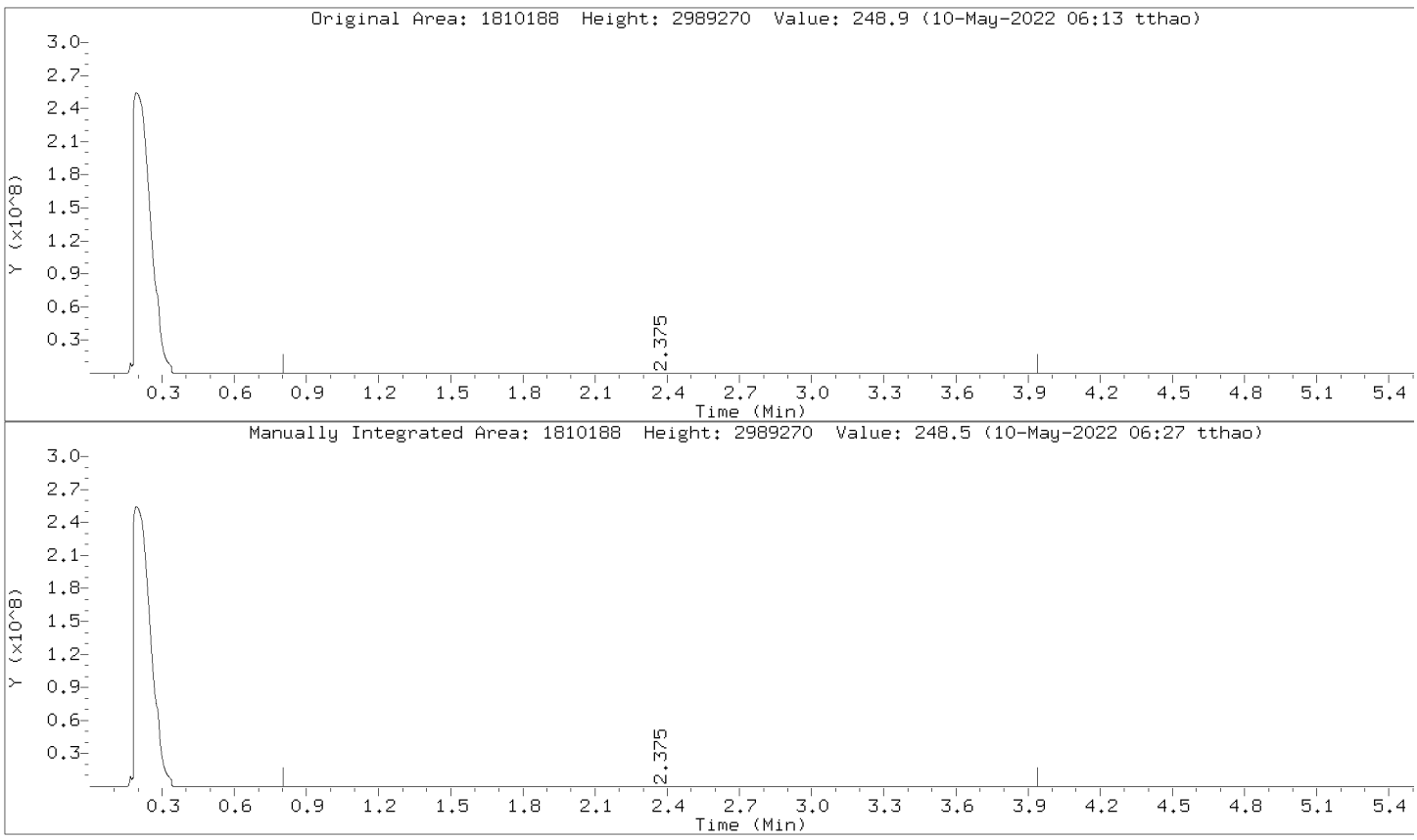
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



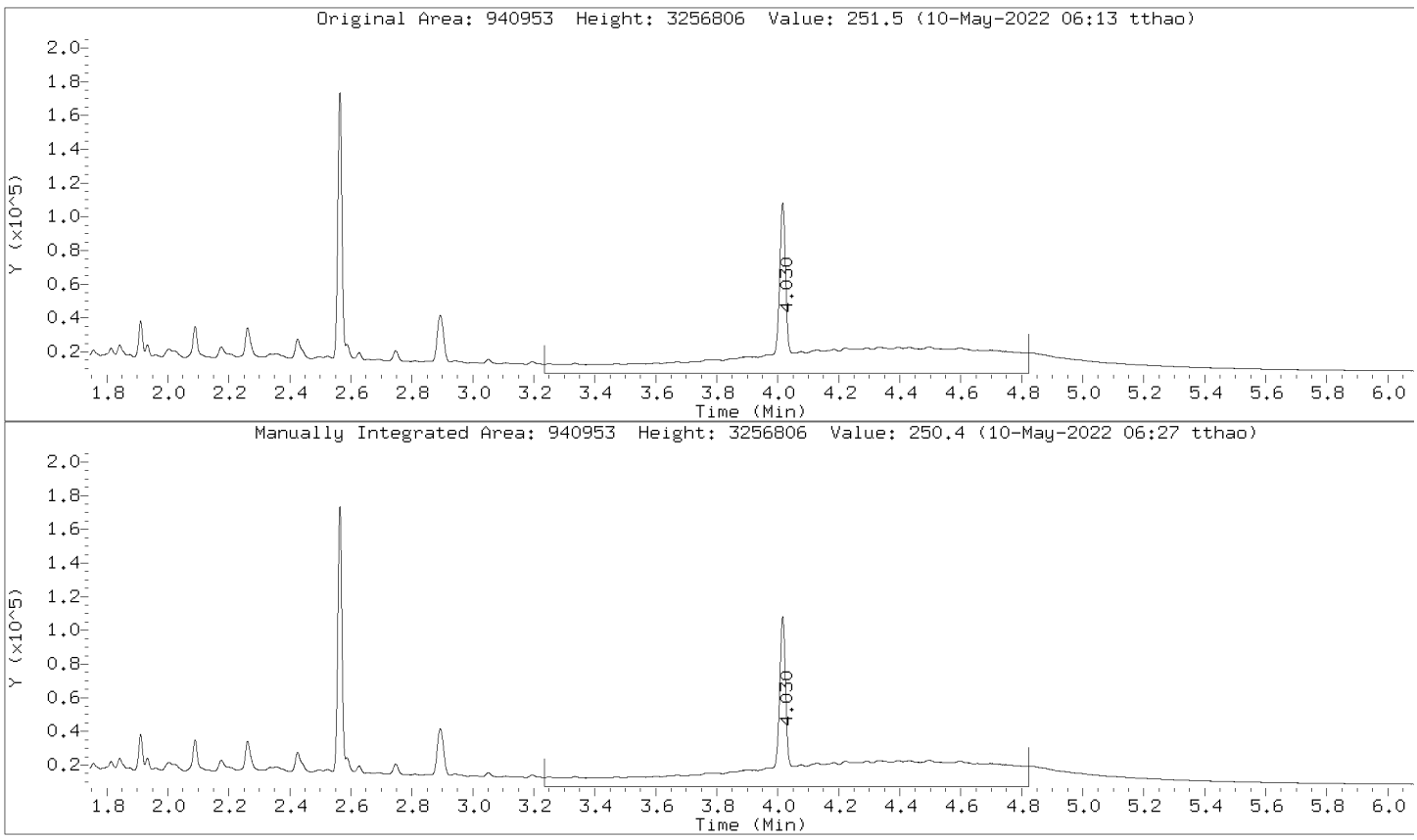
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



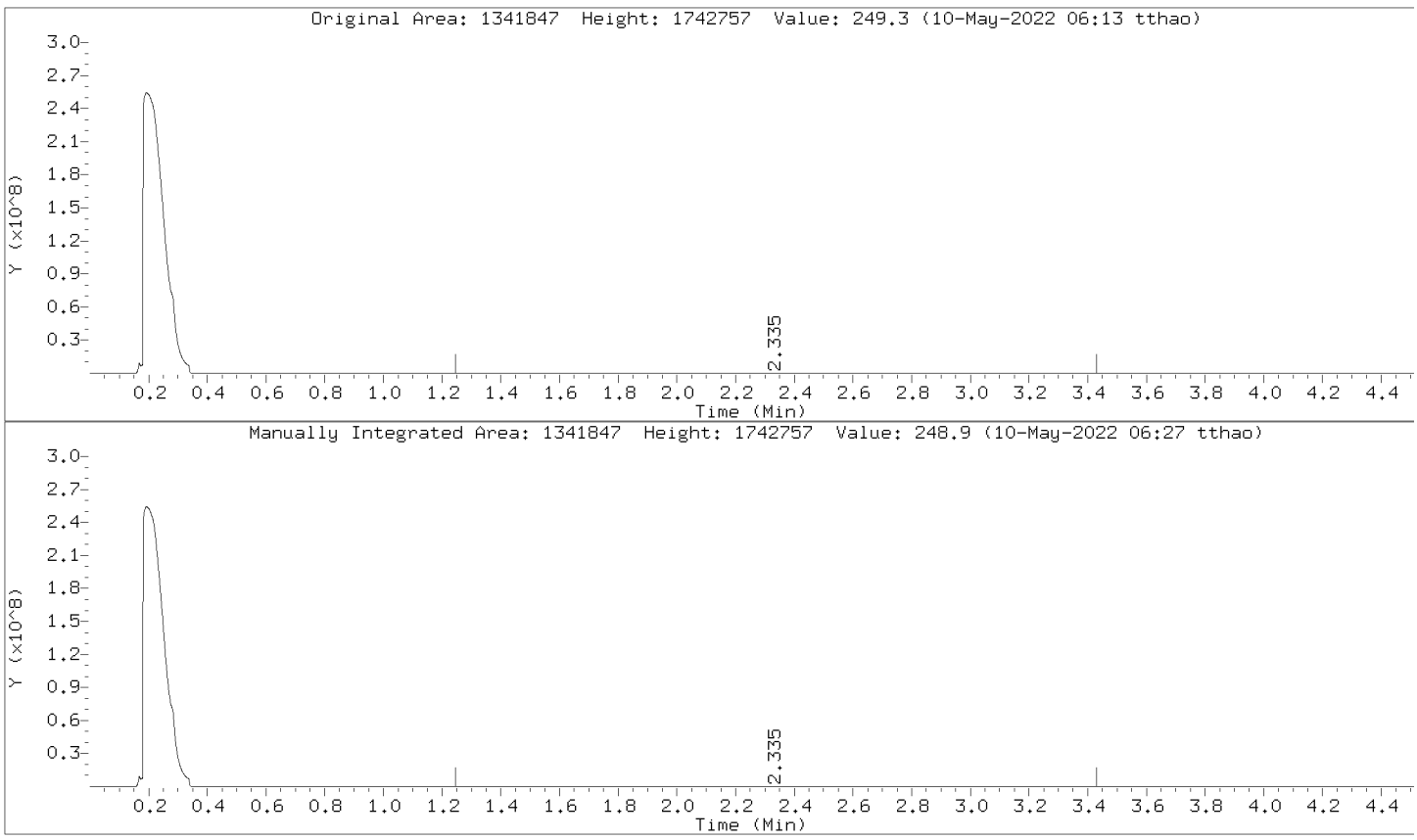
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



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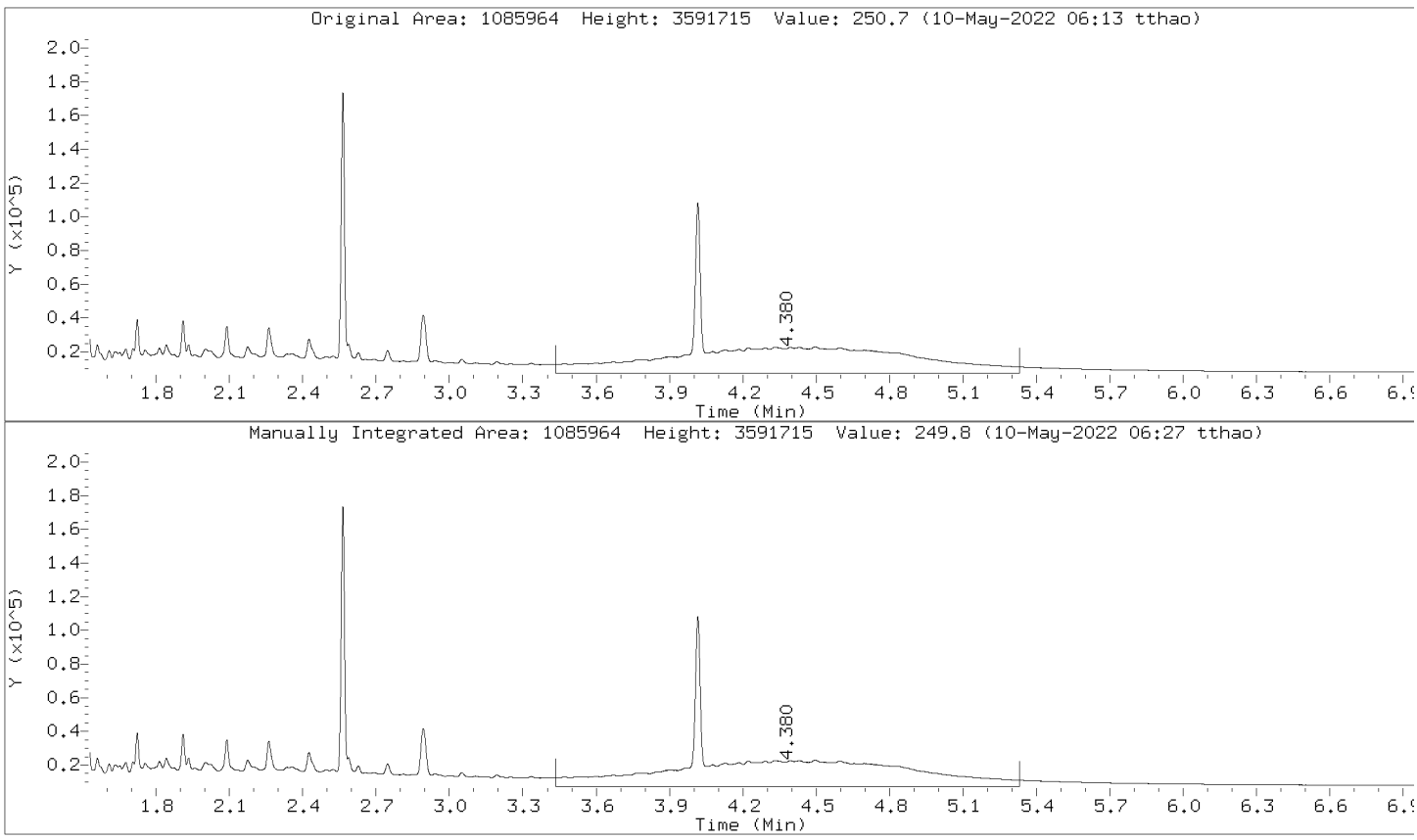
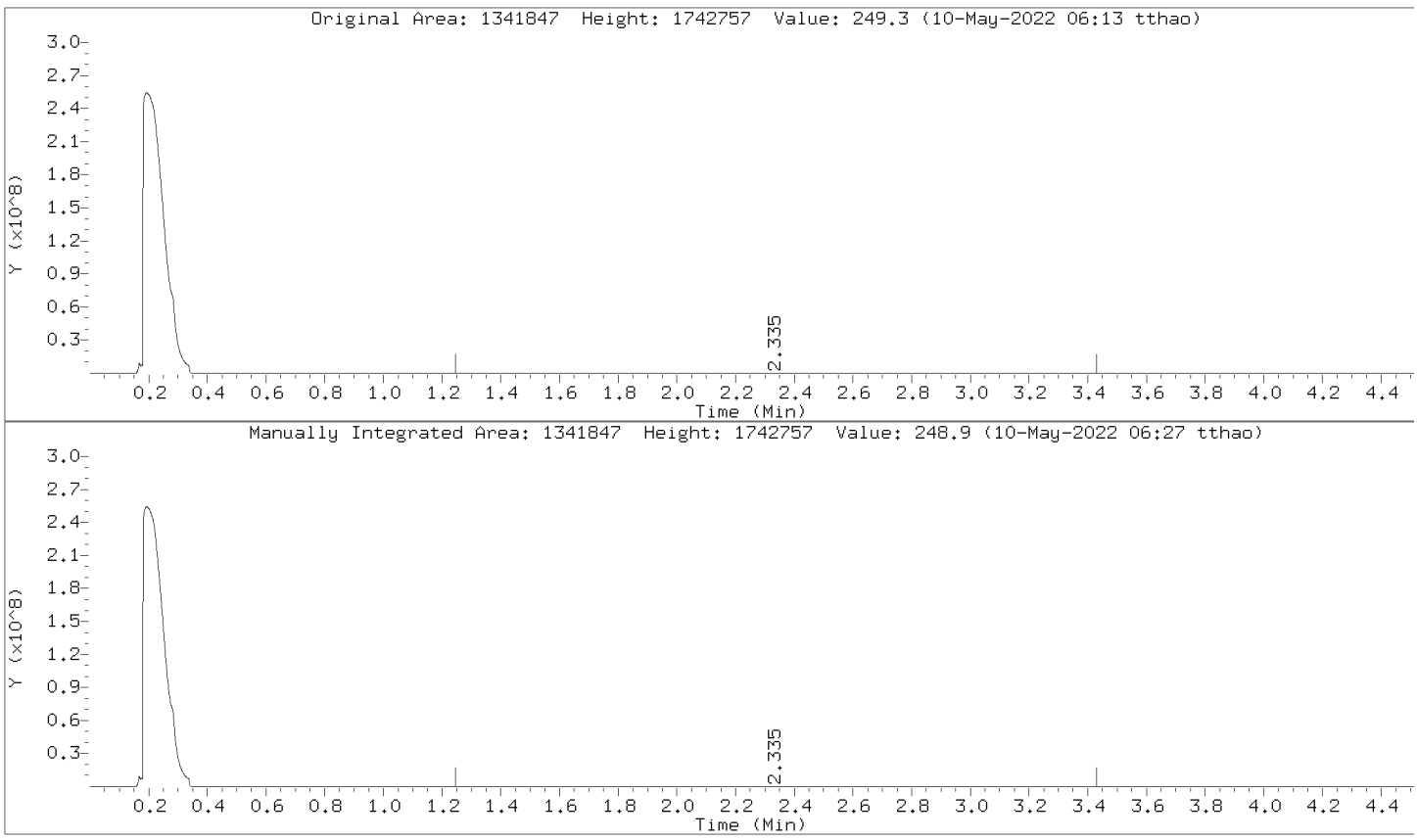
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



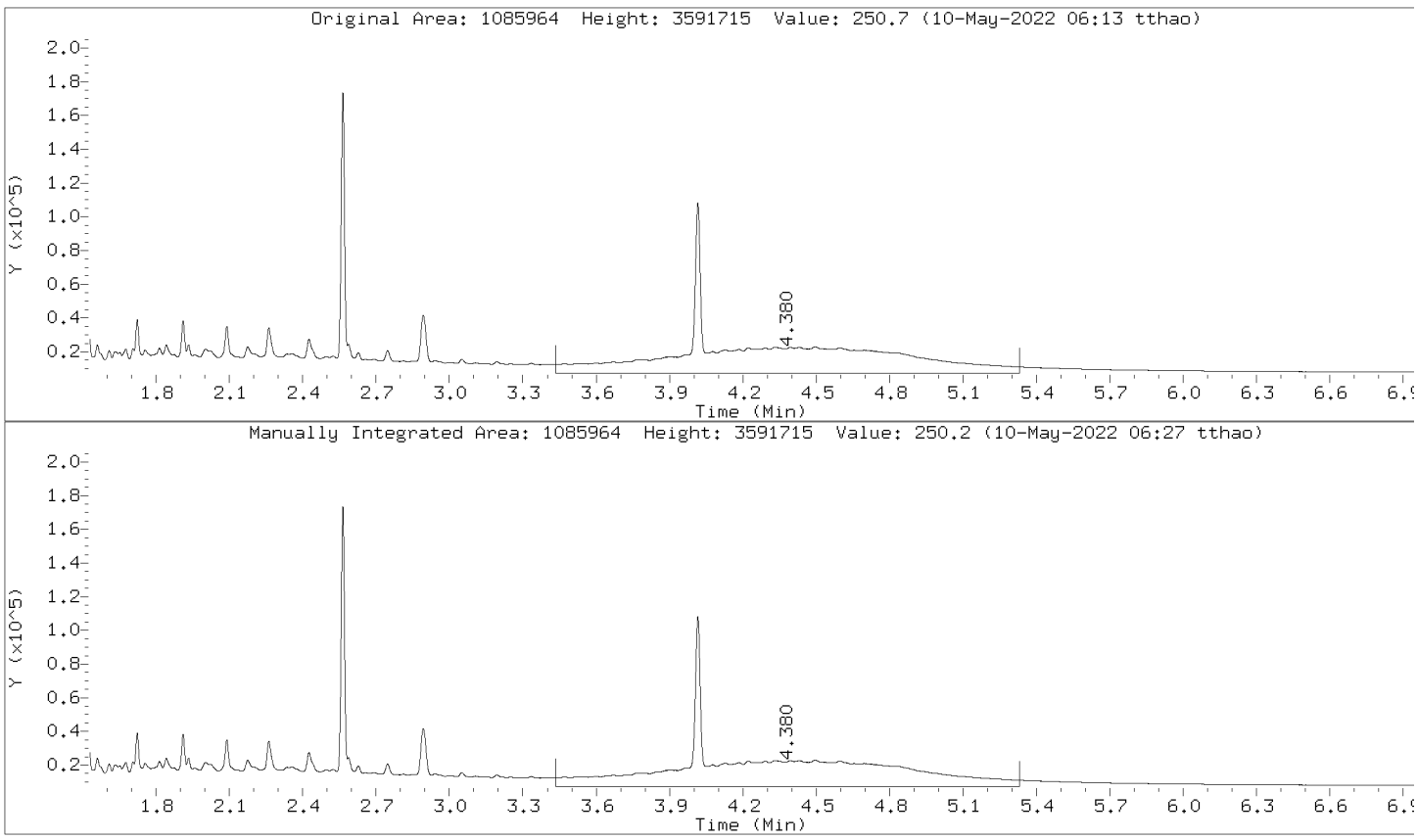
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



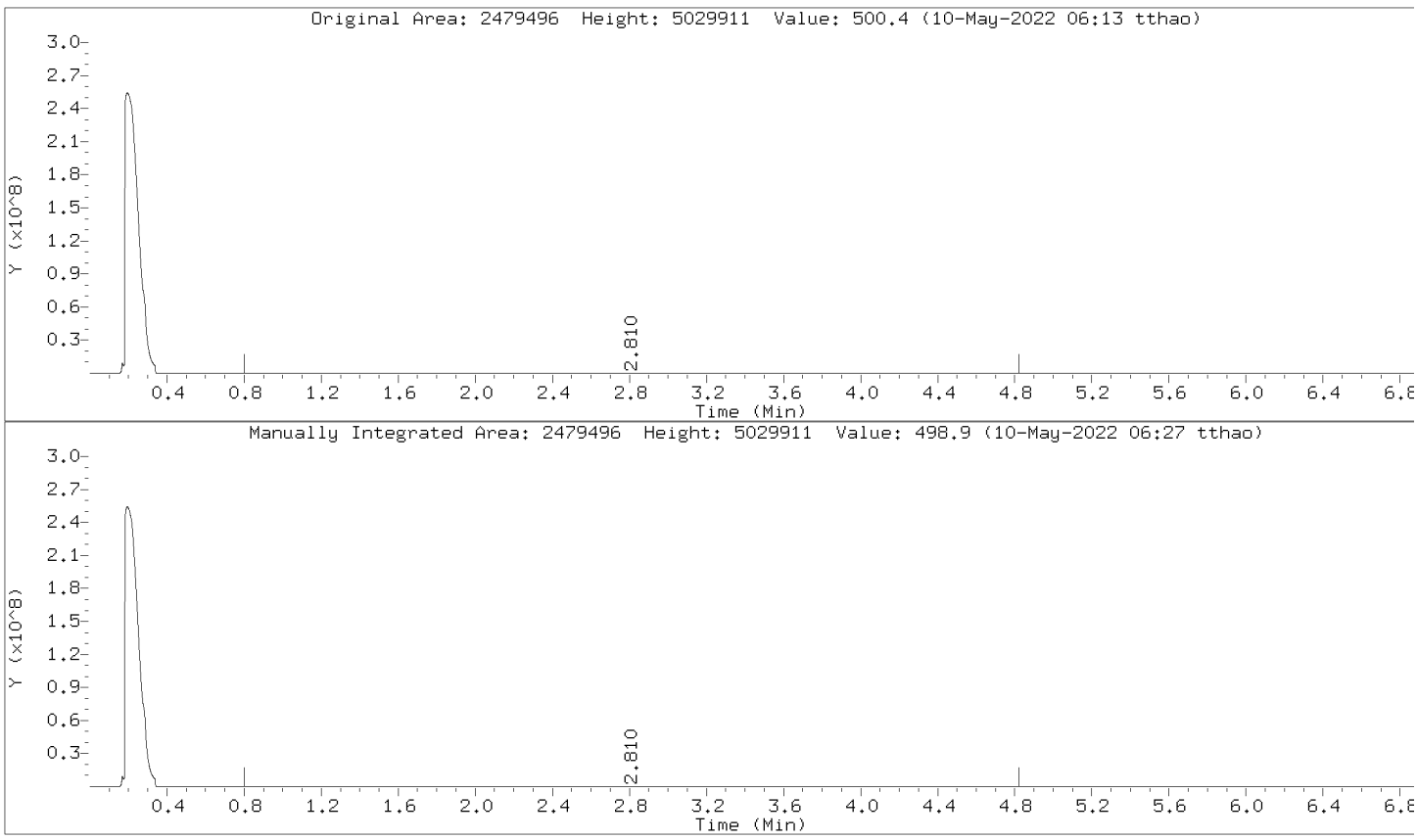
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



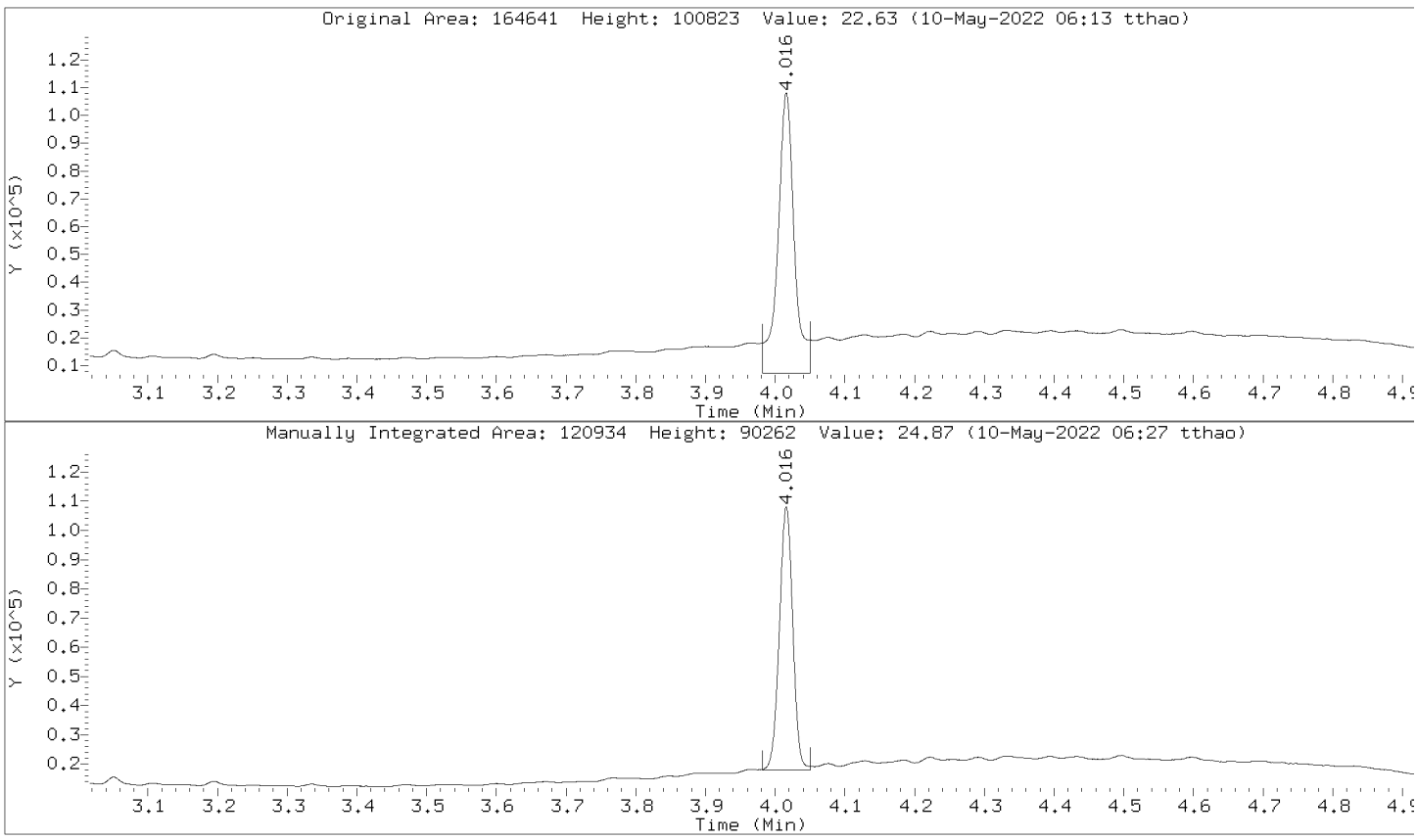
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: C10-C36 Review Code: RNG
CAS Number:



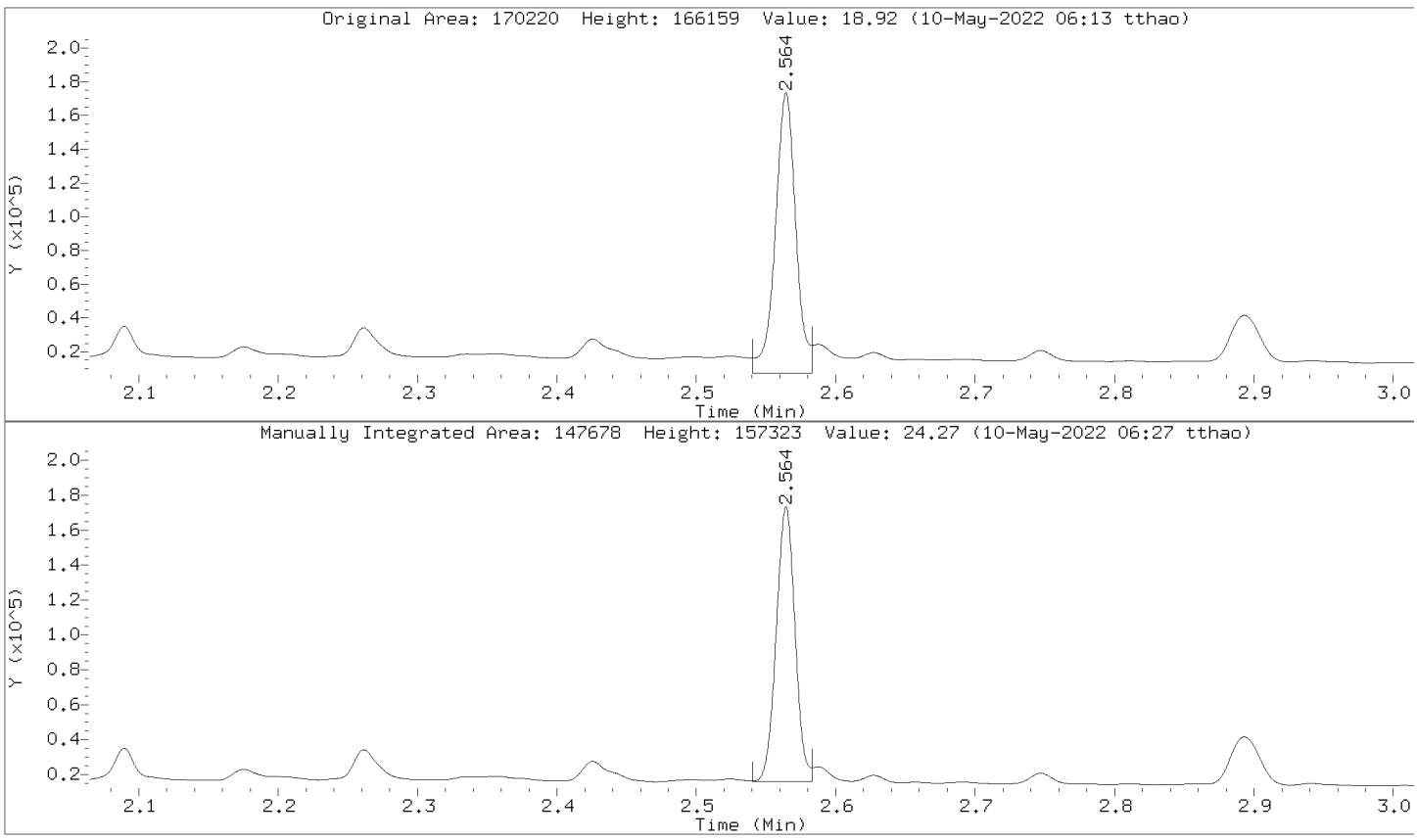
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000029.D
Injection Date: 09-MAY-2022 16:18
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL6,364984:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	894979	894979
DRO by AK 102	1584516	1584516
TPH-DRO (C10-C28)	1810188	1810188
Motor Oil Range (C24-C36)	940953	940953
Diesel Fuel Range	1341847	1341847
Motor Oil Range	1085964	1085964
Diesel Fuel Range SG	1341847	1341847
Motor Oil Range SG	1085964	1085964
C10-C36	2479496	2479496
n-Triacontane (S)	164641	120934
o-Terphenyl (S)	170220	147678

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000030.D
Lab Smp Id: DMO-CAL7,364985:2 Client Smp ID: DMO-CAL7,364985:2
Inj Date : 09-MAY-2022 16:29
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal7,364985:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		2923435	500.000	508	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.565	2.565	0.000	295243	50.0000	48.5	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.017	4.017	0.000	241932	50.0000	49.7	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		1703629	500.000	502	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		3355850	500.000	507	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		1780783	500.000	502	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		4627064	1000.00	1010	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		2466345	500.000	508	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		2466345	500.000	508	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		2065434	500.000	502	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		2065434	500.000	502	(M)	RNG

QC Flag Legend

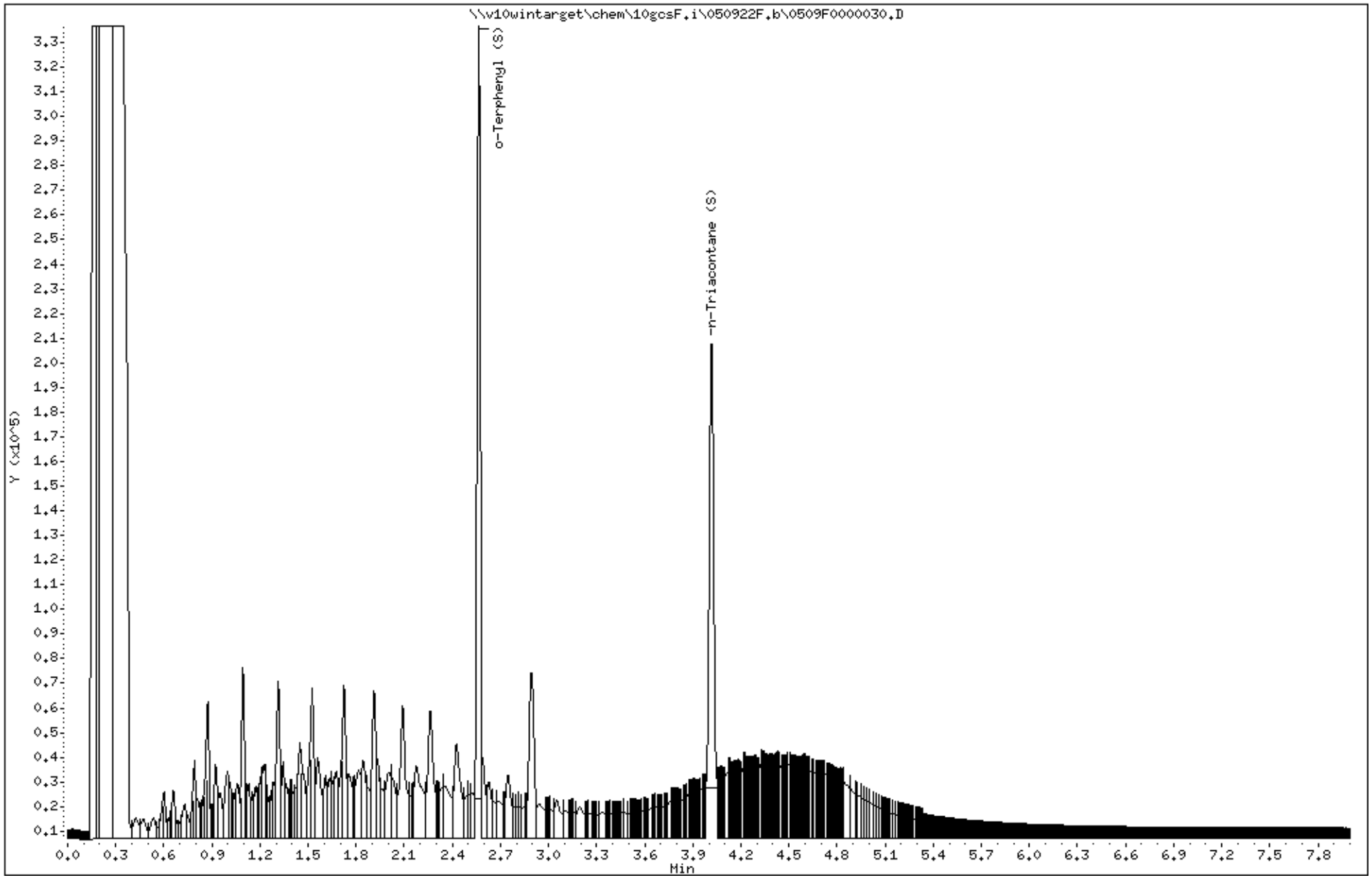
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000030.D
Date : 09-MAY-2022 16:29
Client ID: DMO-CAL7,364985:2
Sample Info: DMO-CAL7,364985:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



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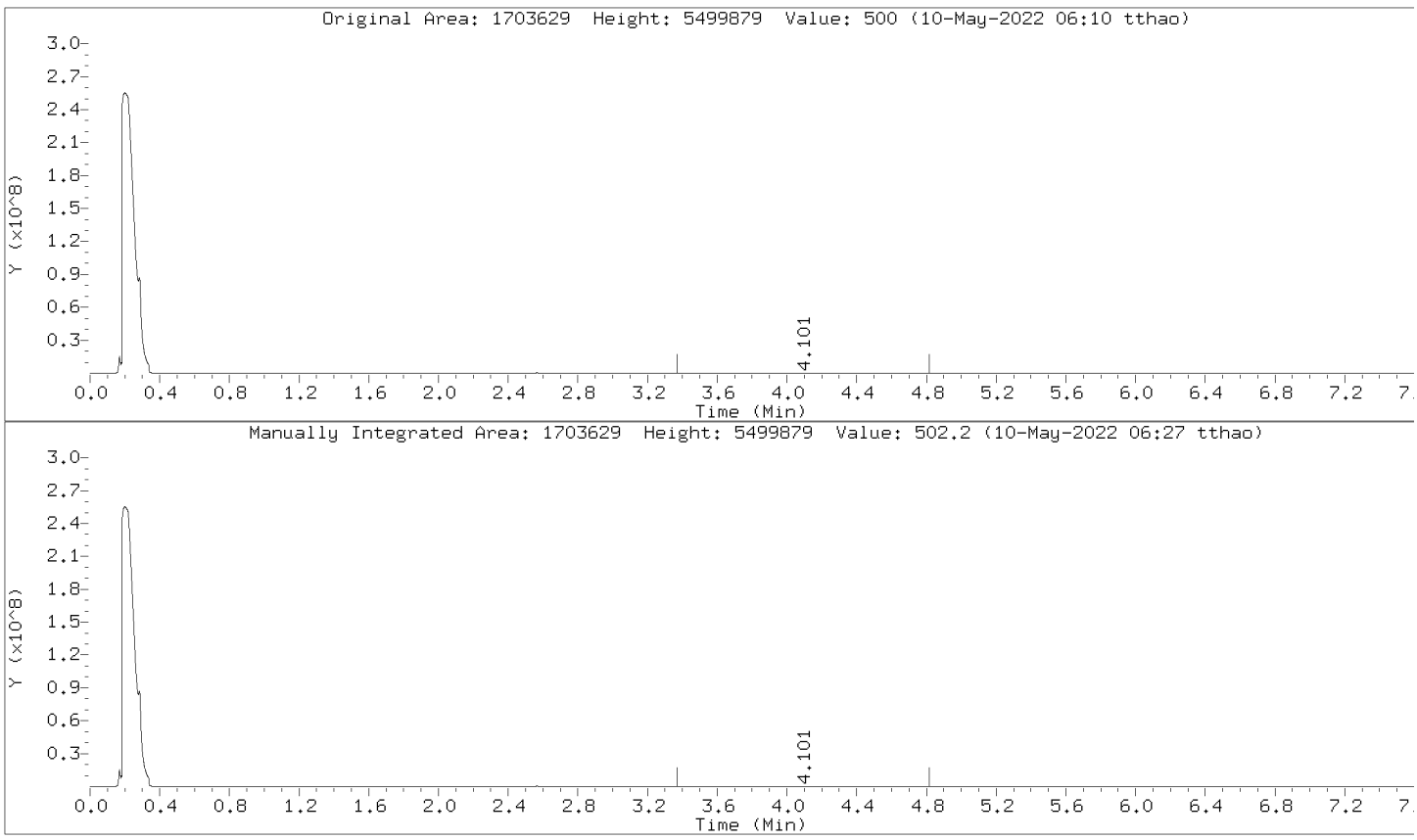
145 of 723
10606565

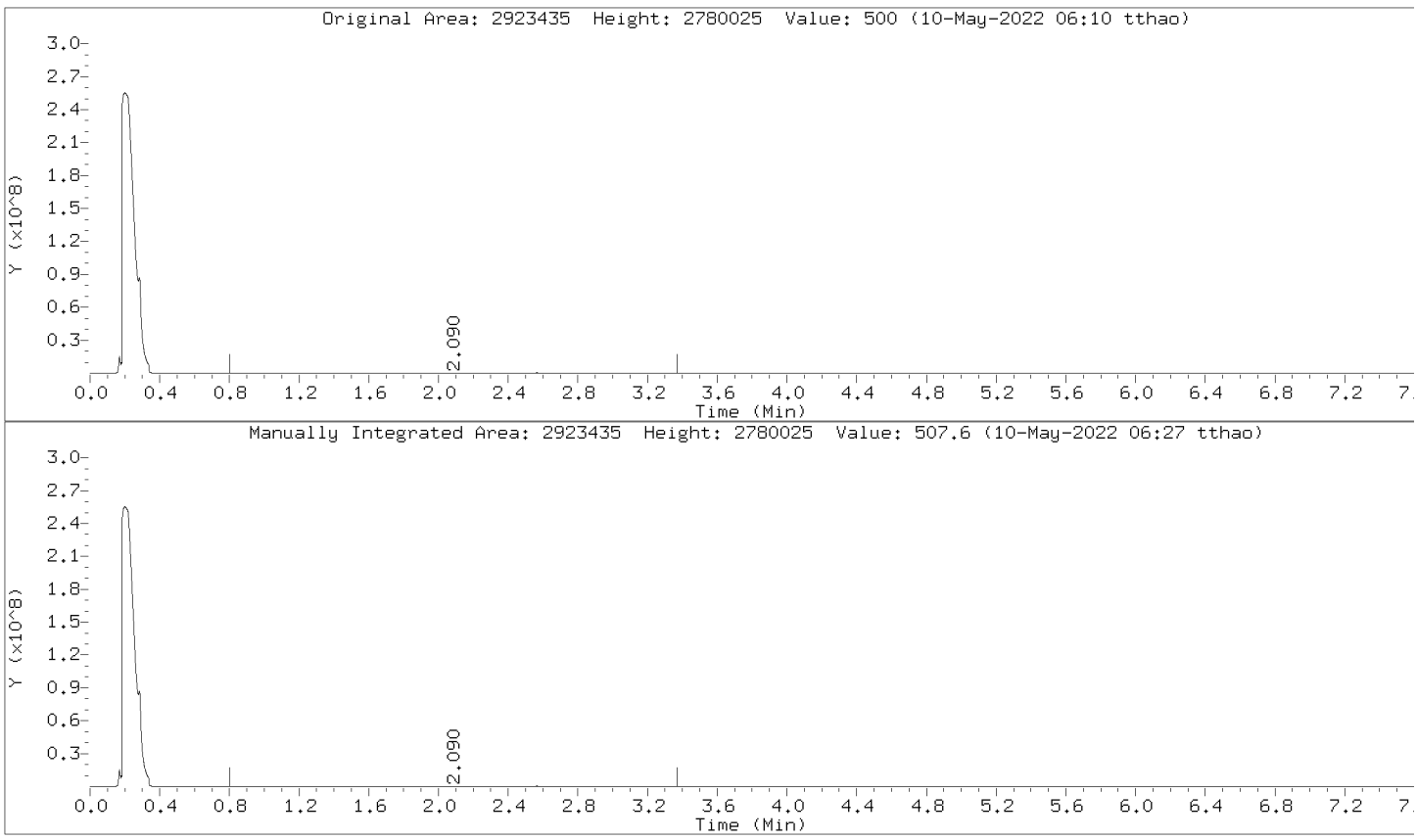
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



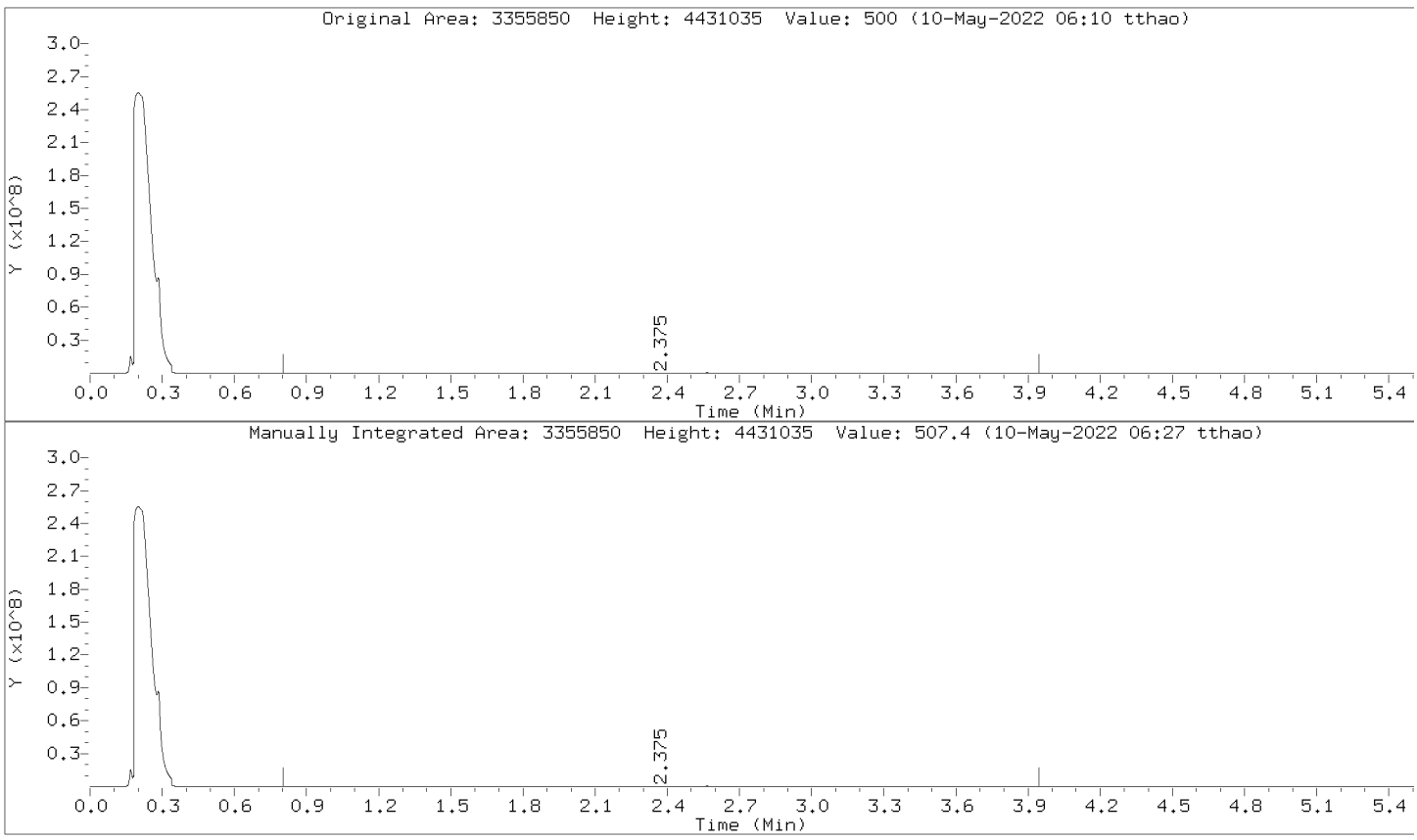
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



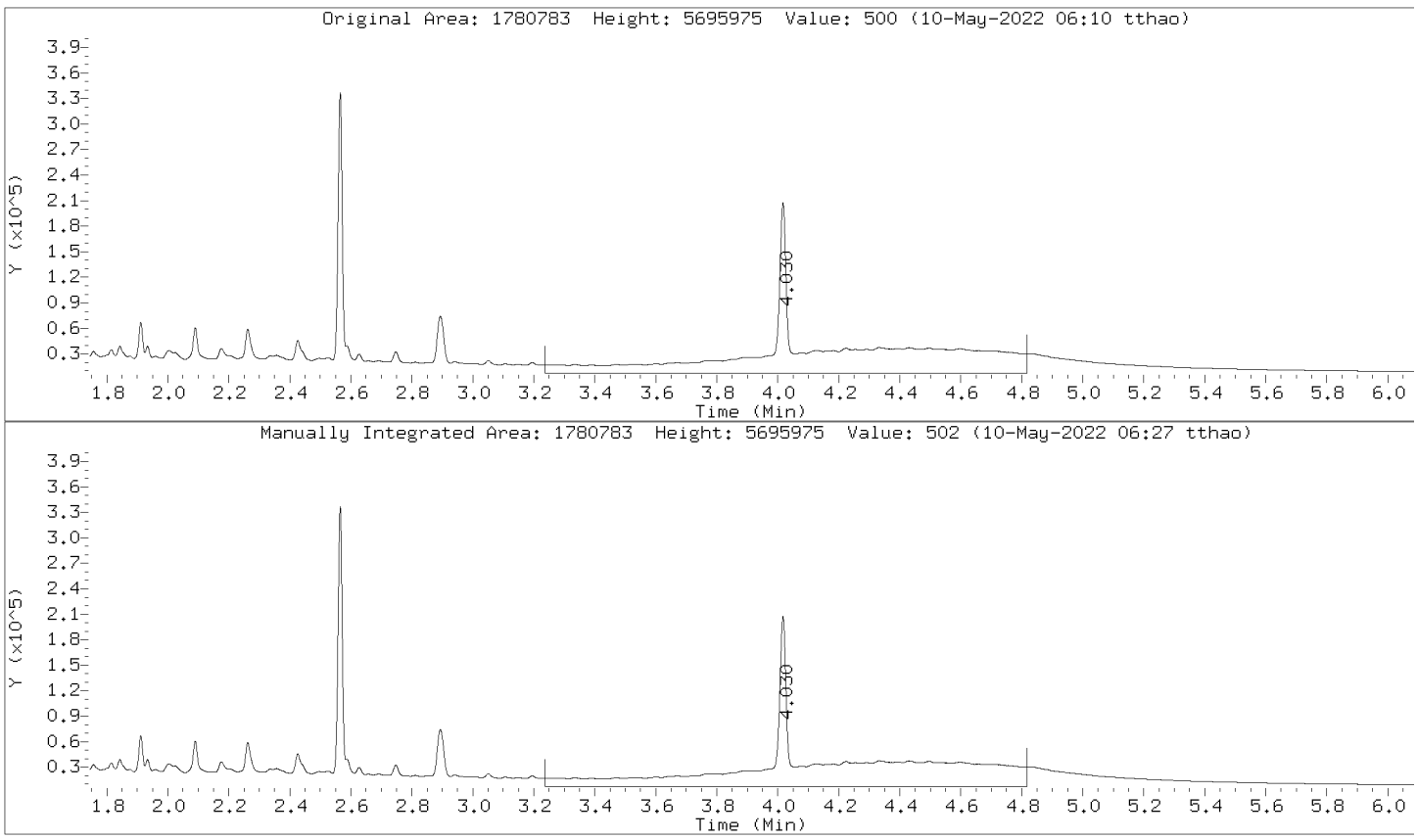
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



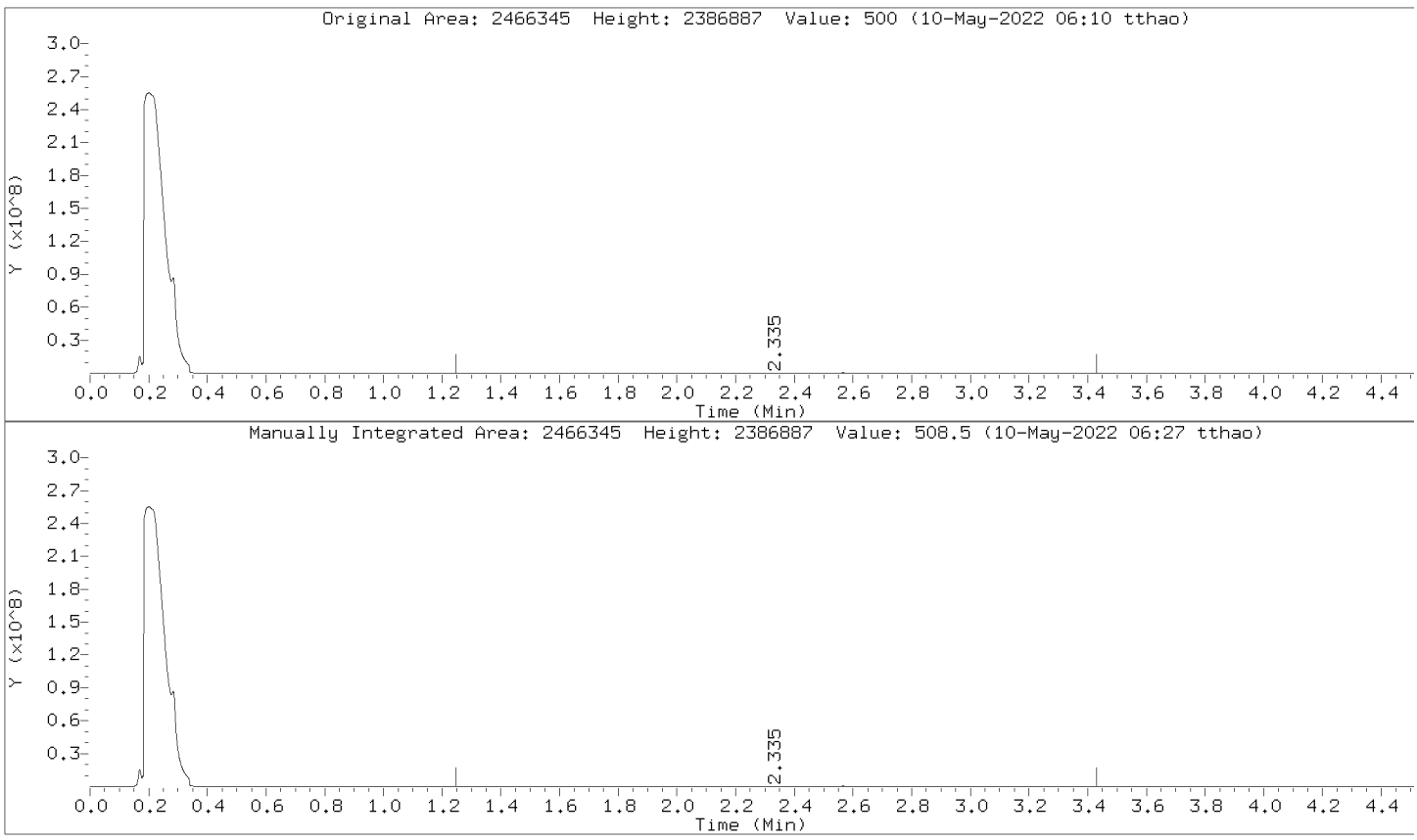
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



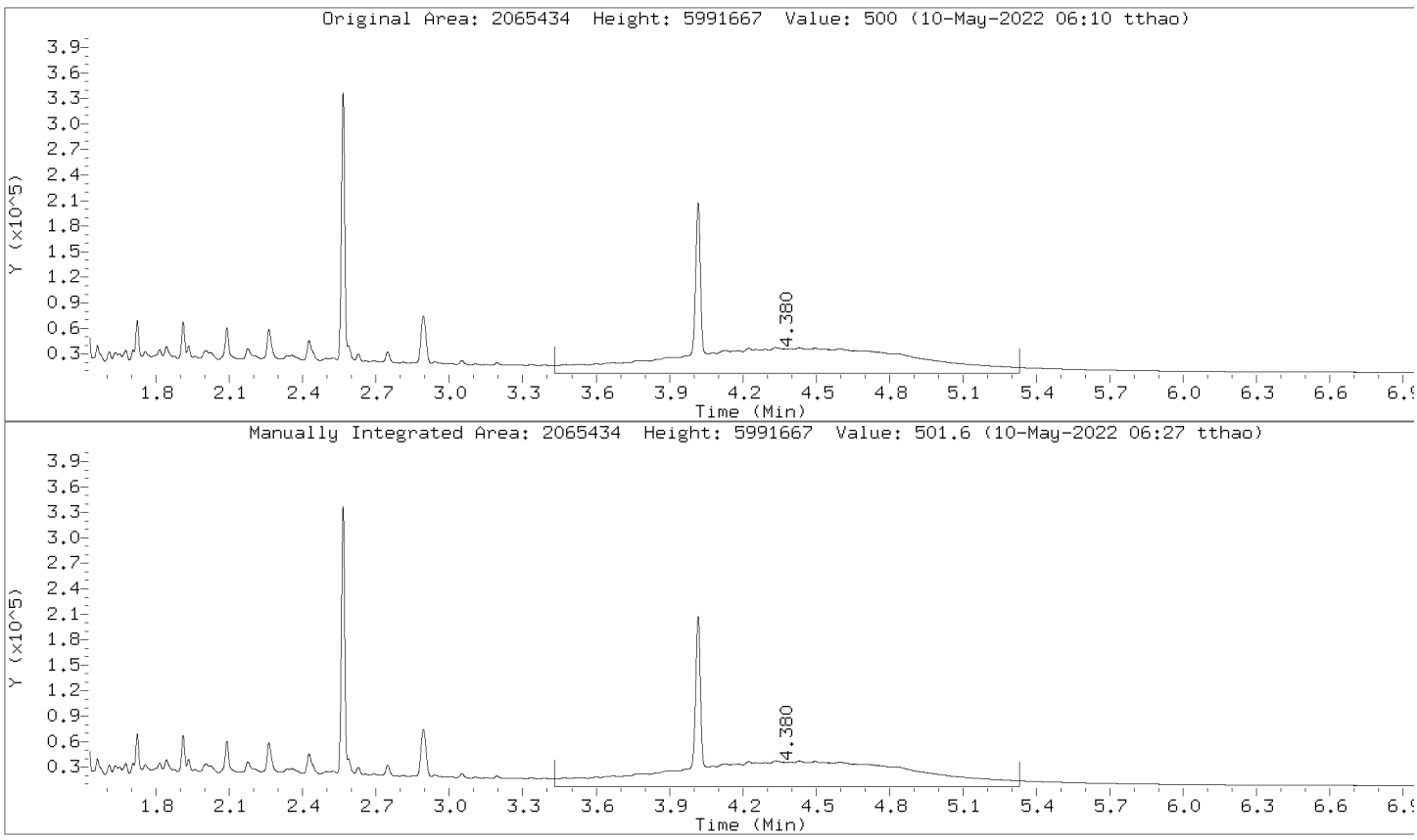
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



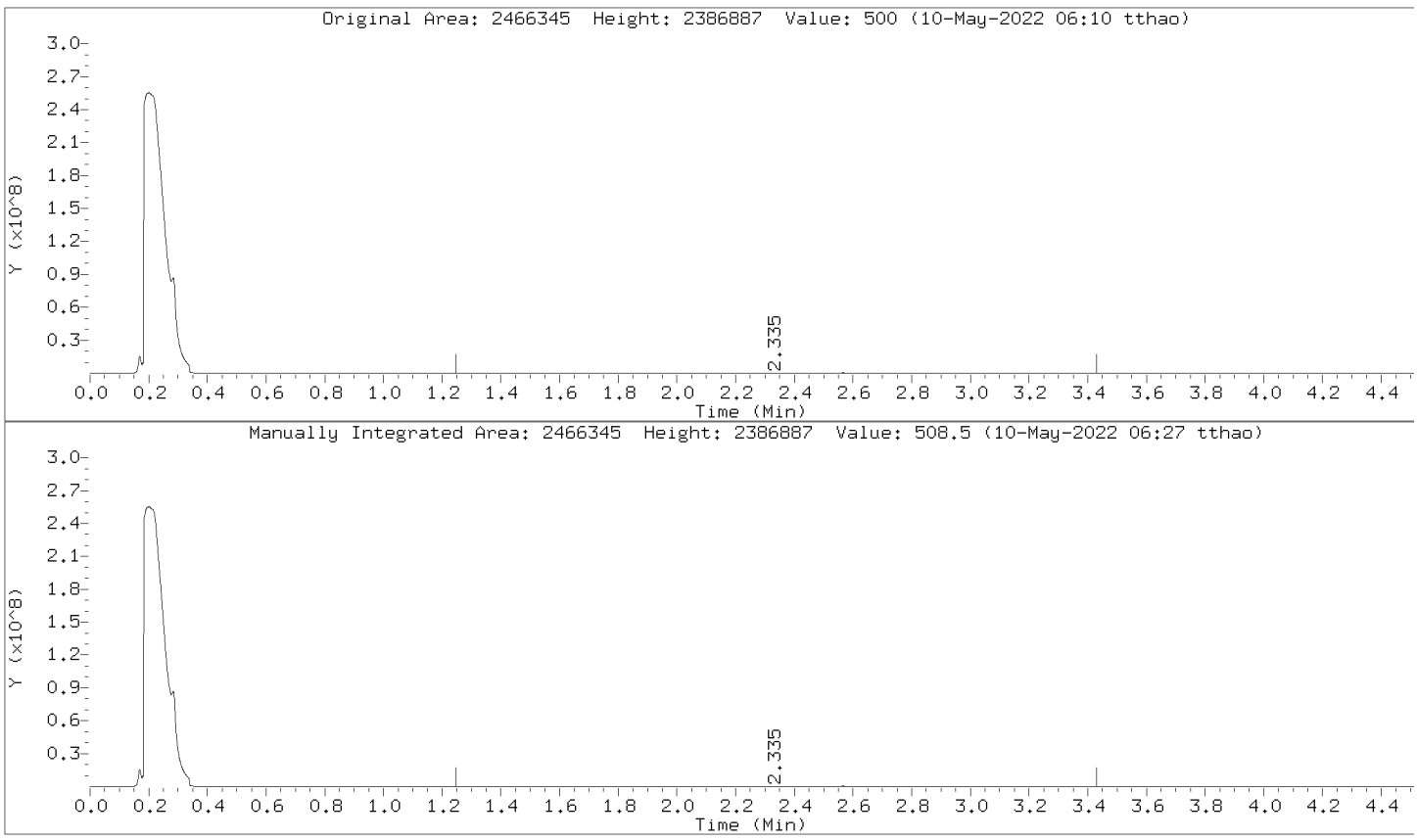
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



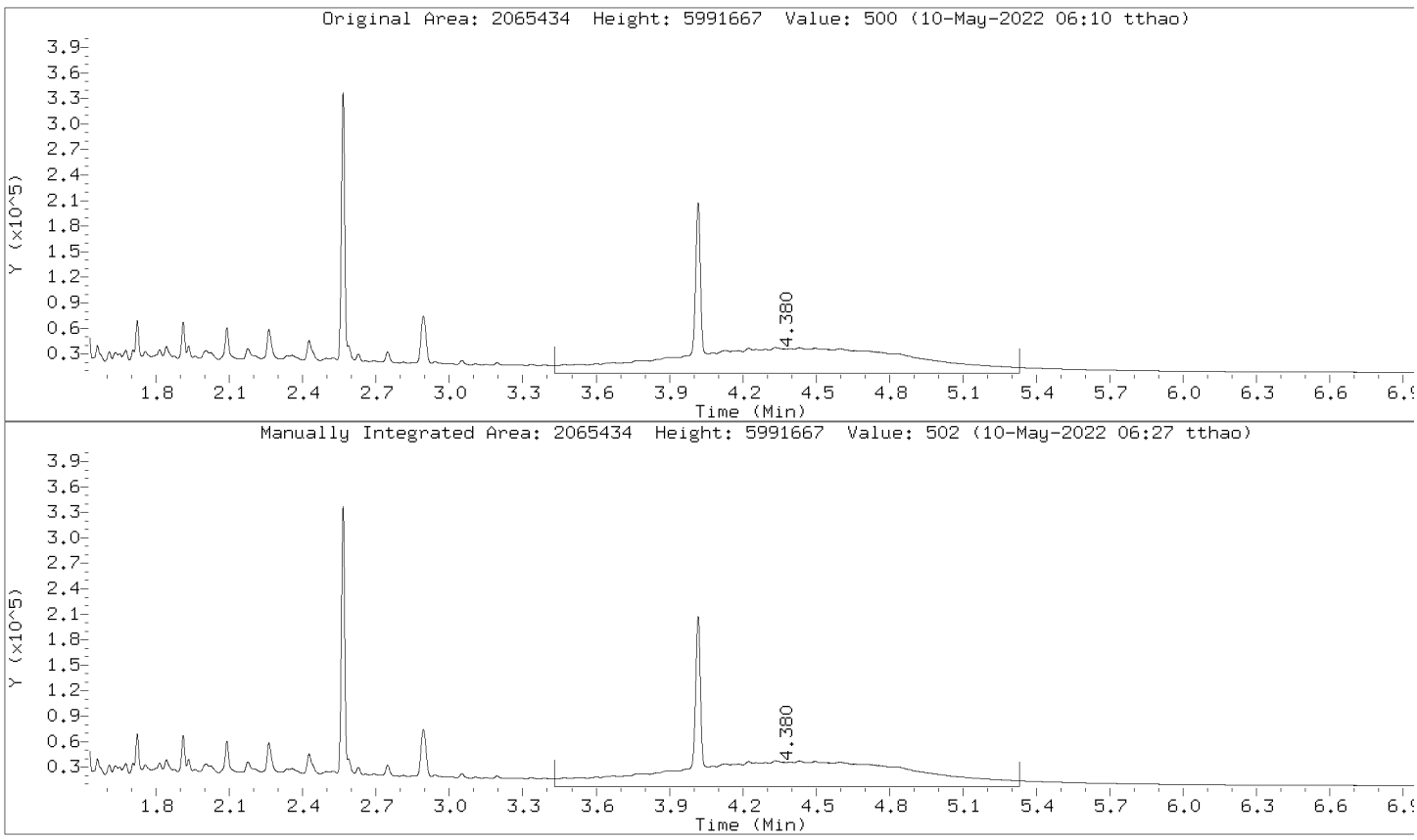
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



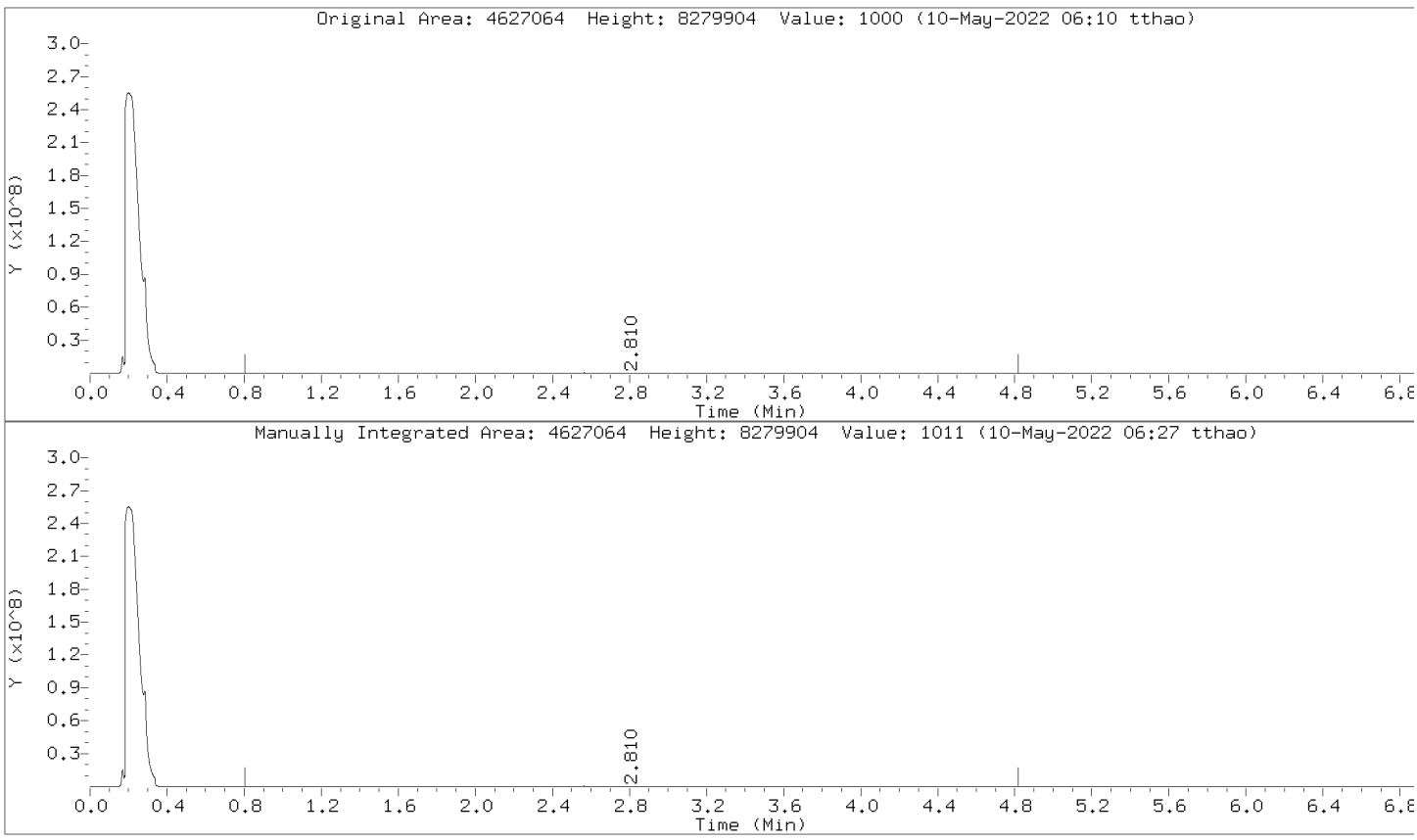
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



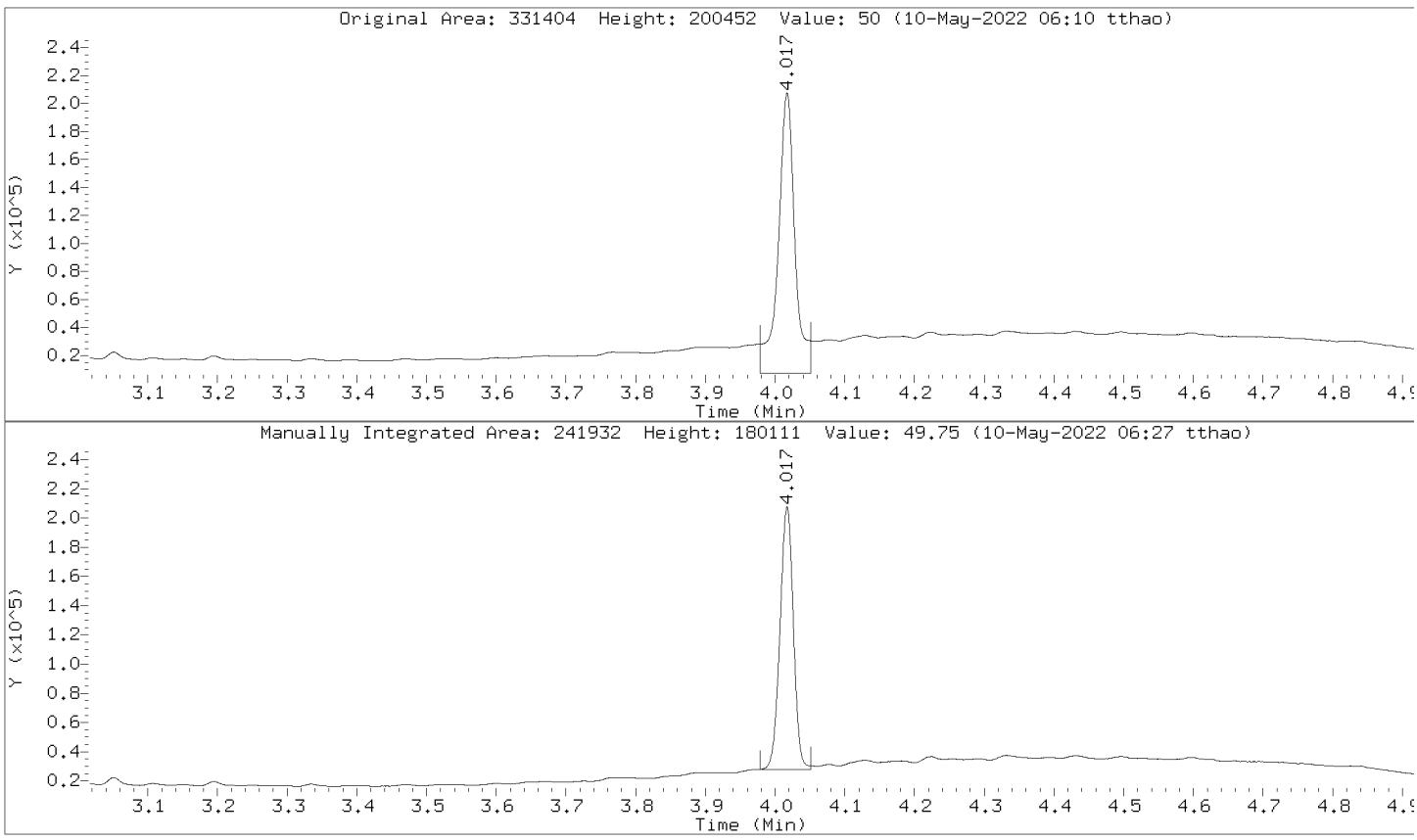
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: C10-C36 Review Code: RNG
CAS Number:



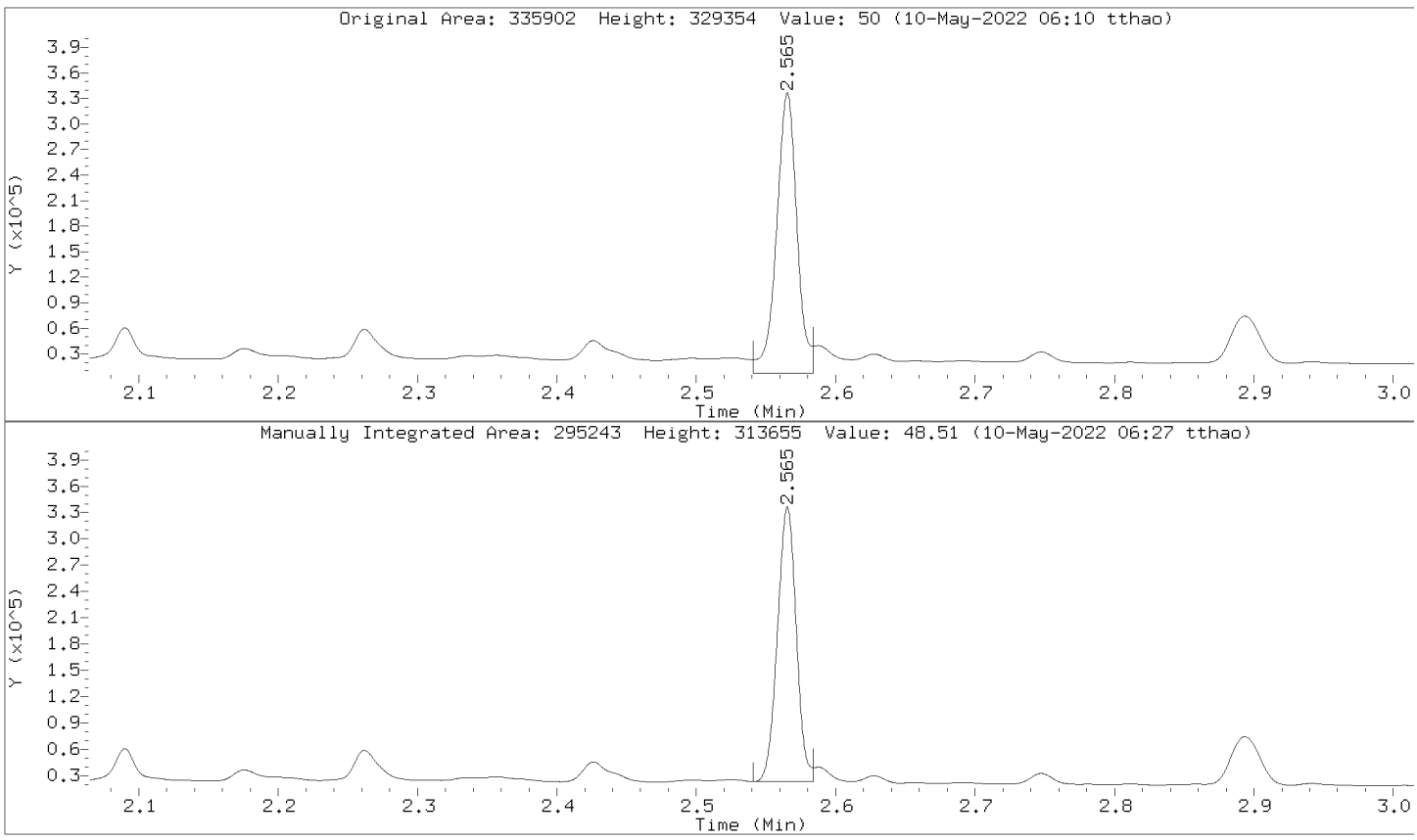
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000030.D
Injection Date: 09-MAY-2022 16:29
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL7,364985:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1703629	1703629
DRO by AK 102	2923435	2923435
TPH-DRO (C10-C28)	3355850	3355850
Motor Oil Range (C24-C36)	1780783	1780783
Diesel Fuel Range	2466345	2466345
Motor Oil Range	2065434	2065434
Diesel Fuel Range SG	2466345	2466345
Motor Oil Range SG	2065434	2065434
C10-C36	4627064	4627064
n-Triacontane (S)	331404	241932
o-Terphenyl (S)	335902	295243

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000031.D
Lab Smp Id: DMO-CAL8,364986:2 Client Smp ID: DMO-CAL8,364986:2
Inj Date : 09-MAY-2022 16:41
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal8,364986:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 10 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		5582380	1000.00	1020	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.566	2.565	0.001	588897	100.000	96.8	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.019	4.017	0.002	483352	100.000	99.4	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		3317081	1000.00	1000	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		6405840	1000.00	1020	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		3460735	1000.00	1000	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		8899462	2000.00	2030	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		4693570	1000.00	1020	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		4693570	1000.00	1020	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		3996918	1000.00	998	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		3996918	1000.00	998	(M)	RNG

QC Flag Legend

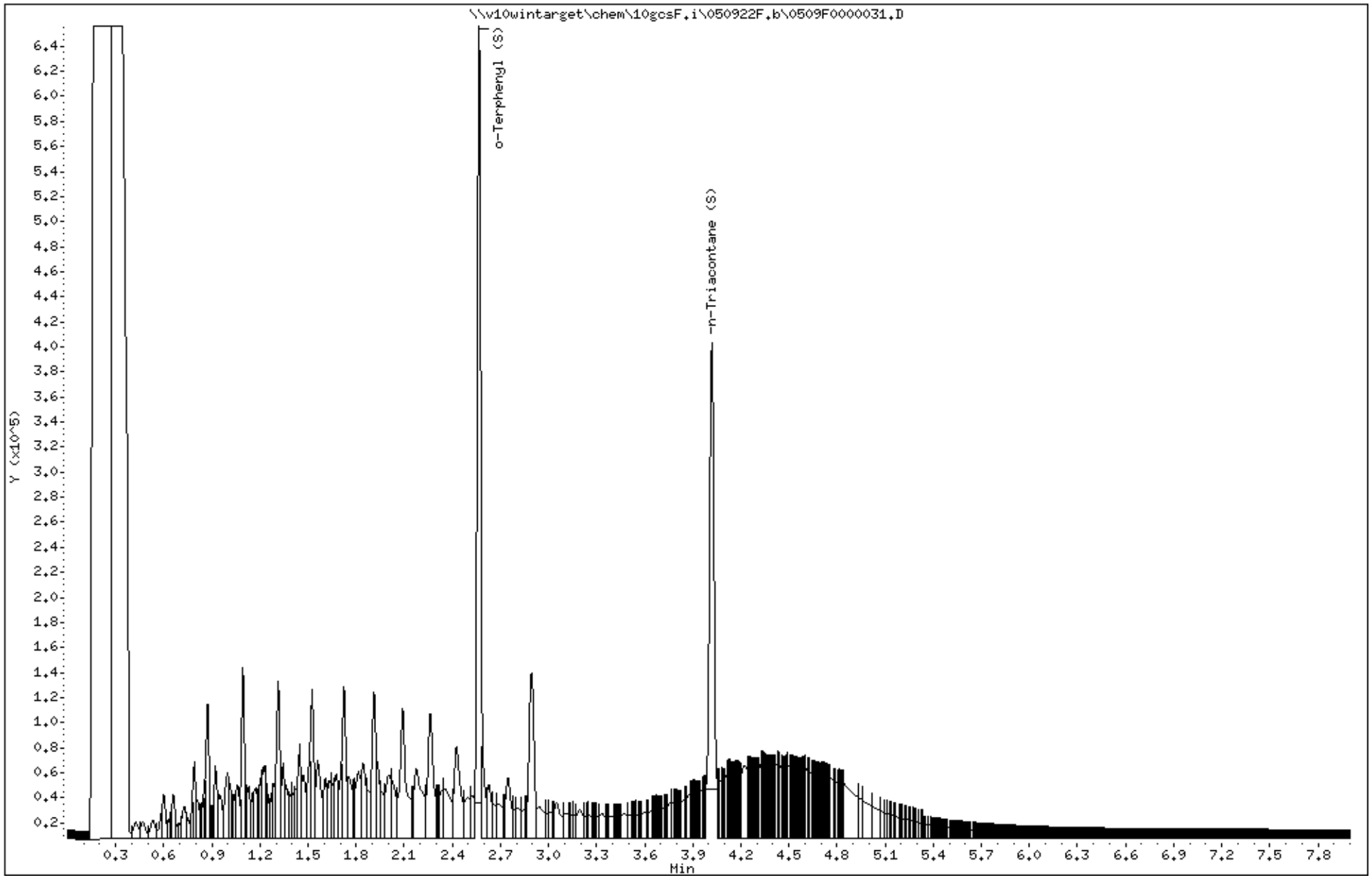
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

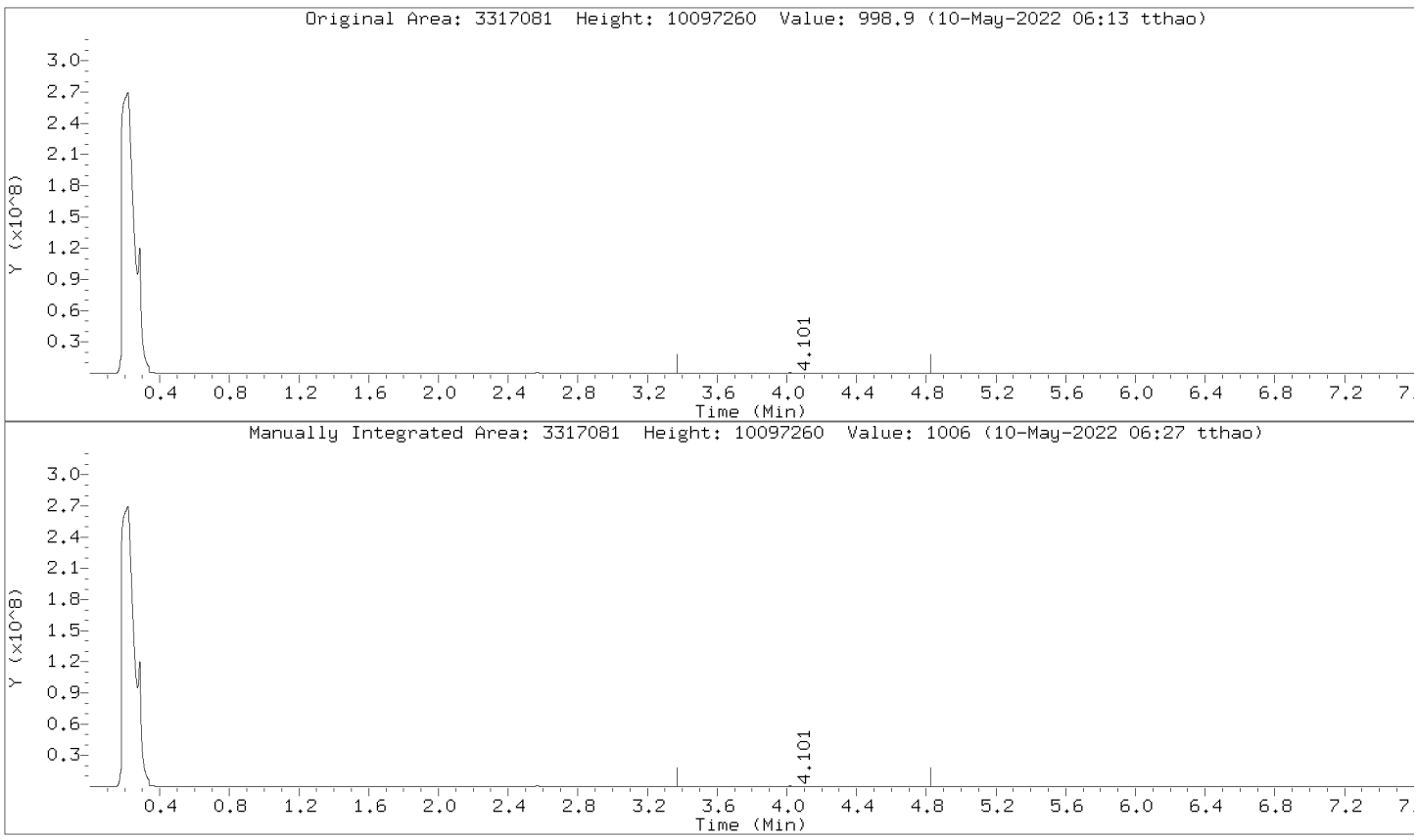
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000031.D
Date : 09-MAY-2022 16:41
Client ID: DMO-CAL8,364986:2
Sample Info: DMO-CAL8,364986:2

Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



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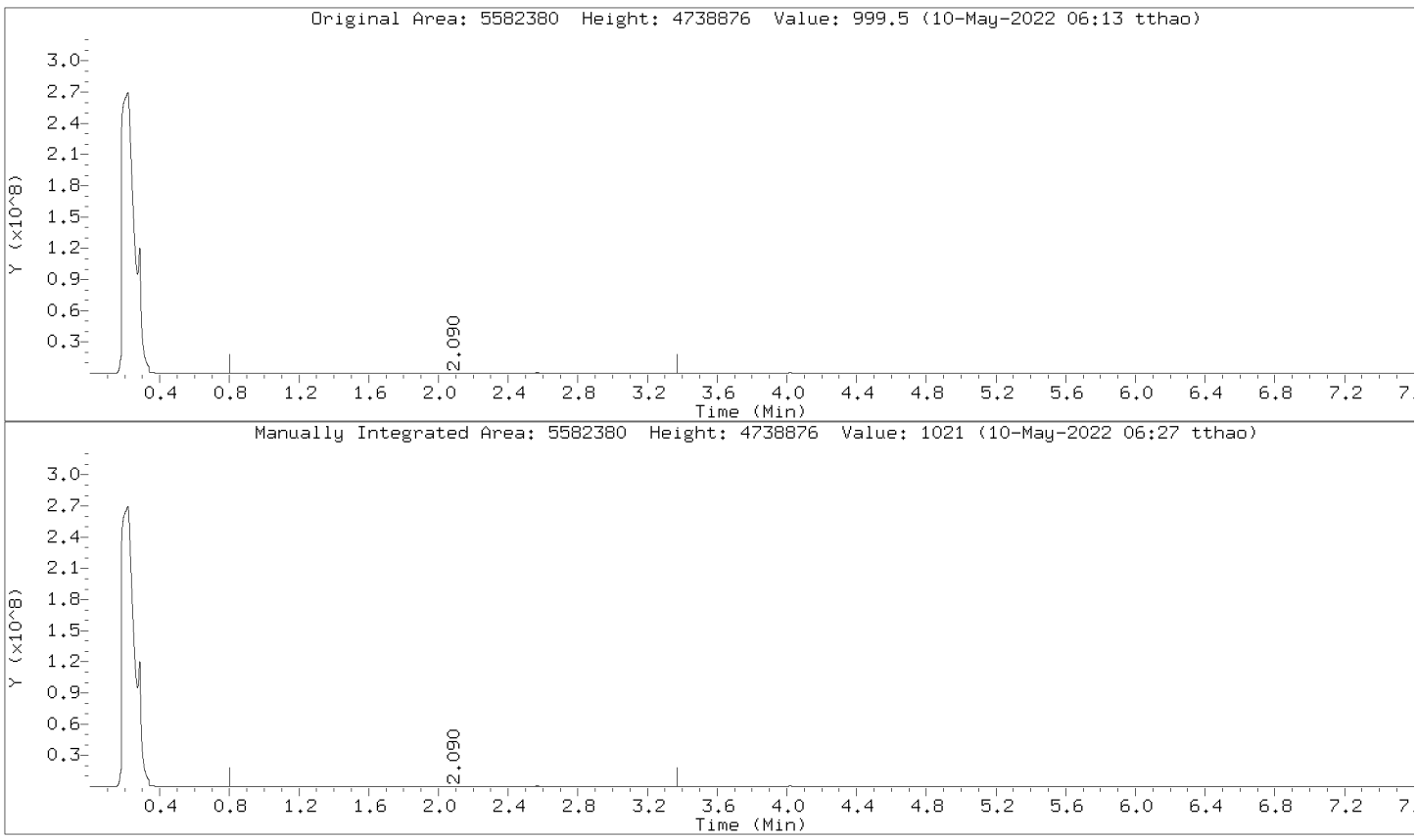
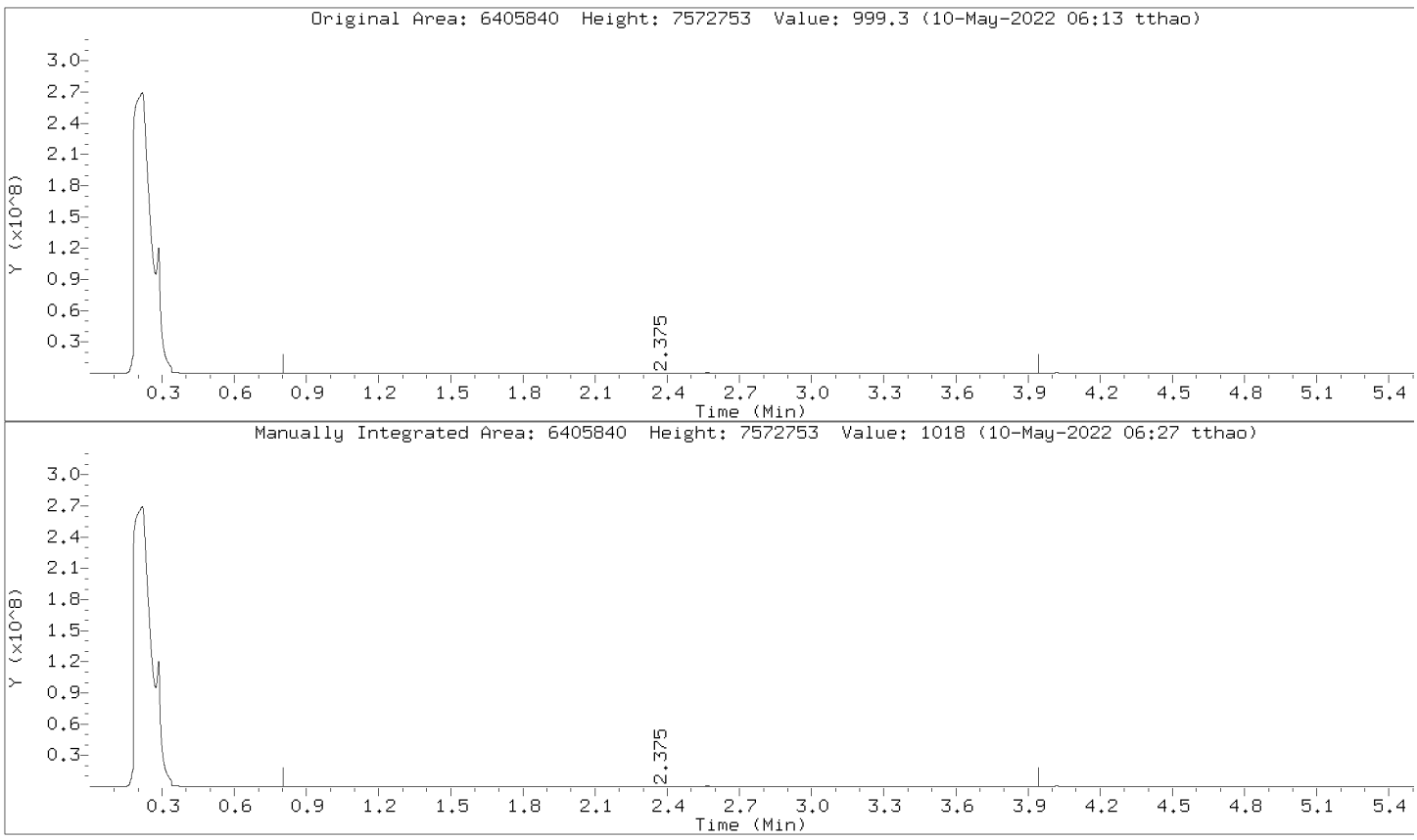
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



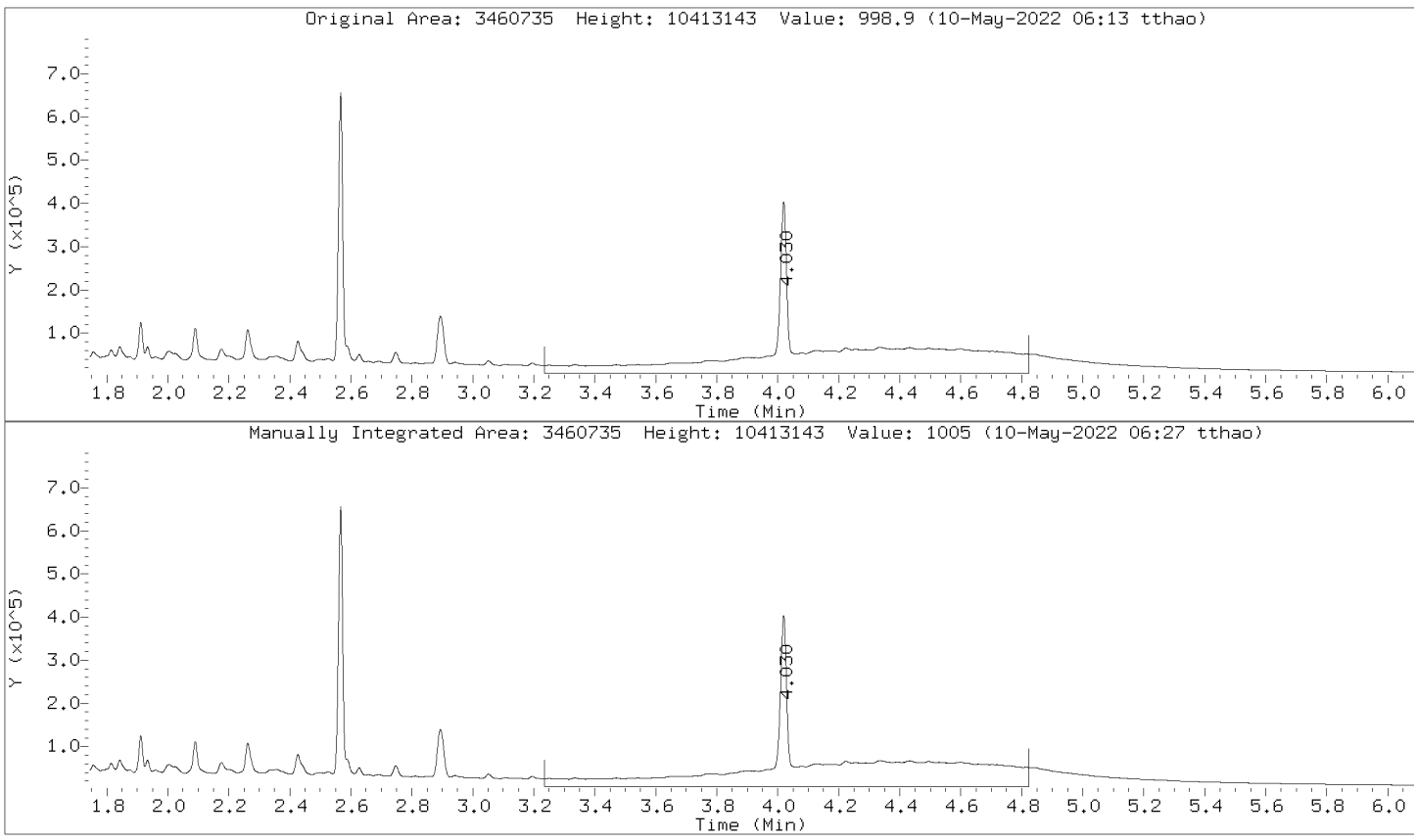
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



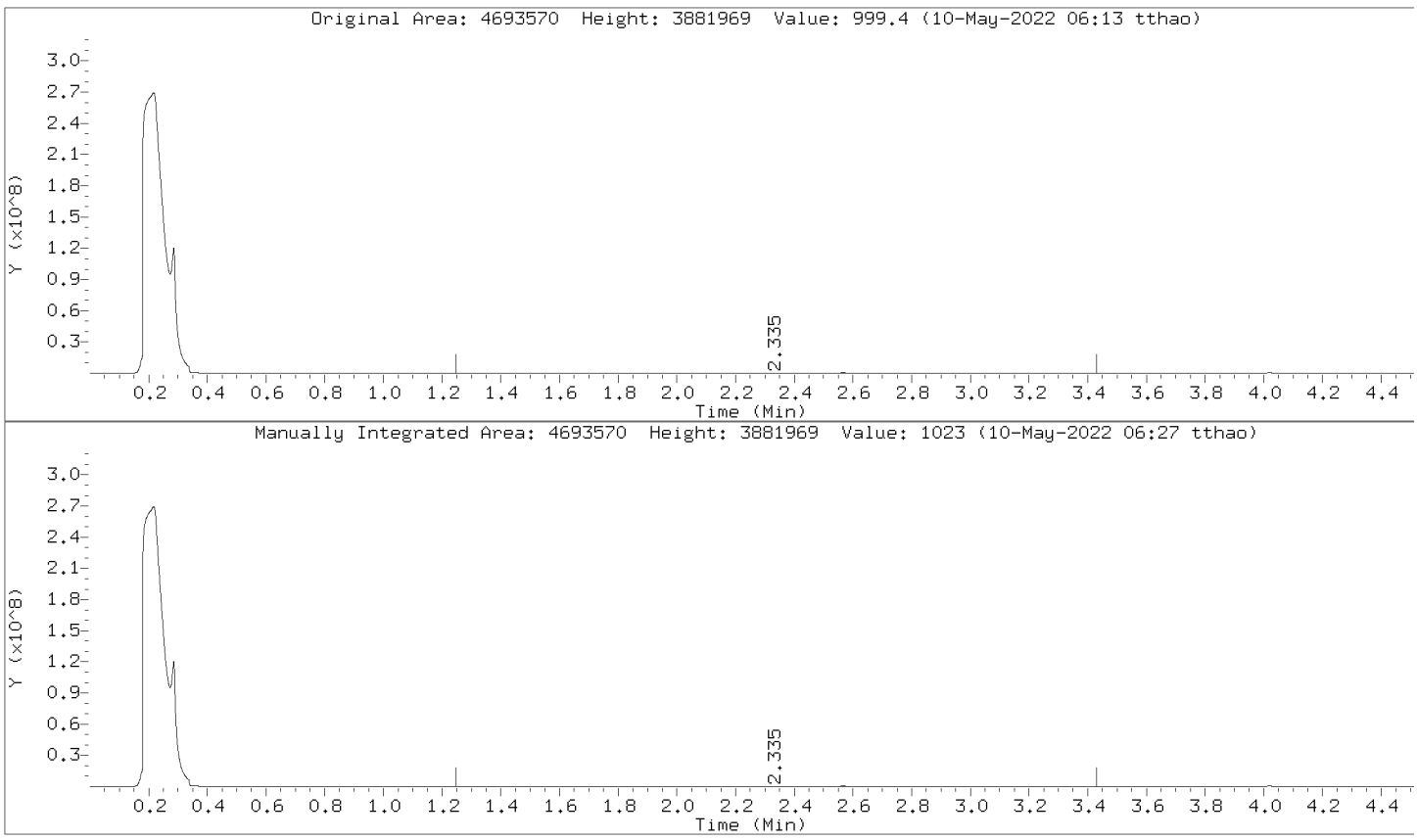
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



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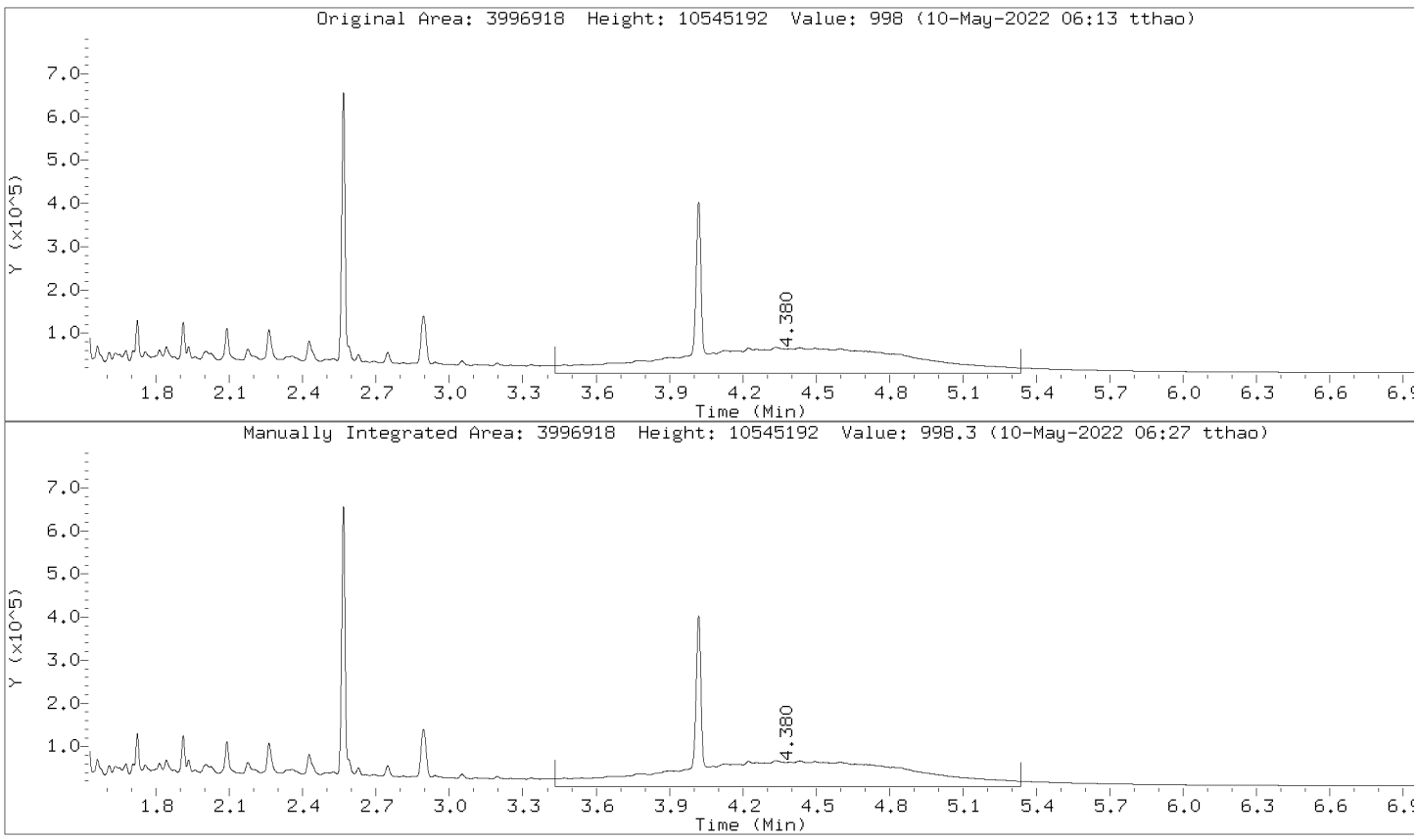
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



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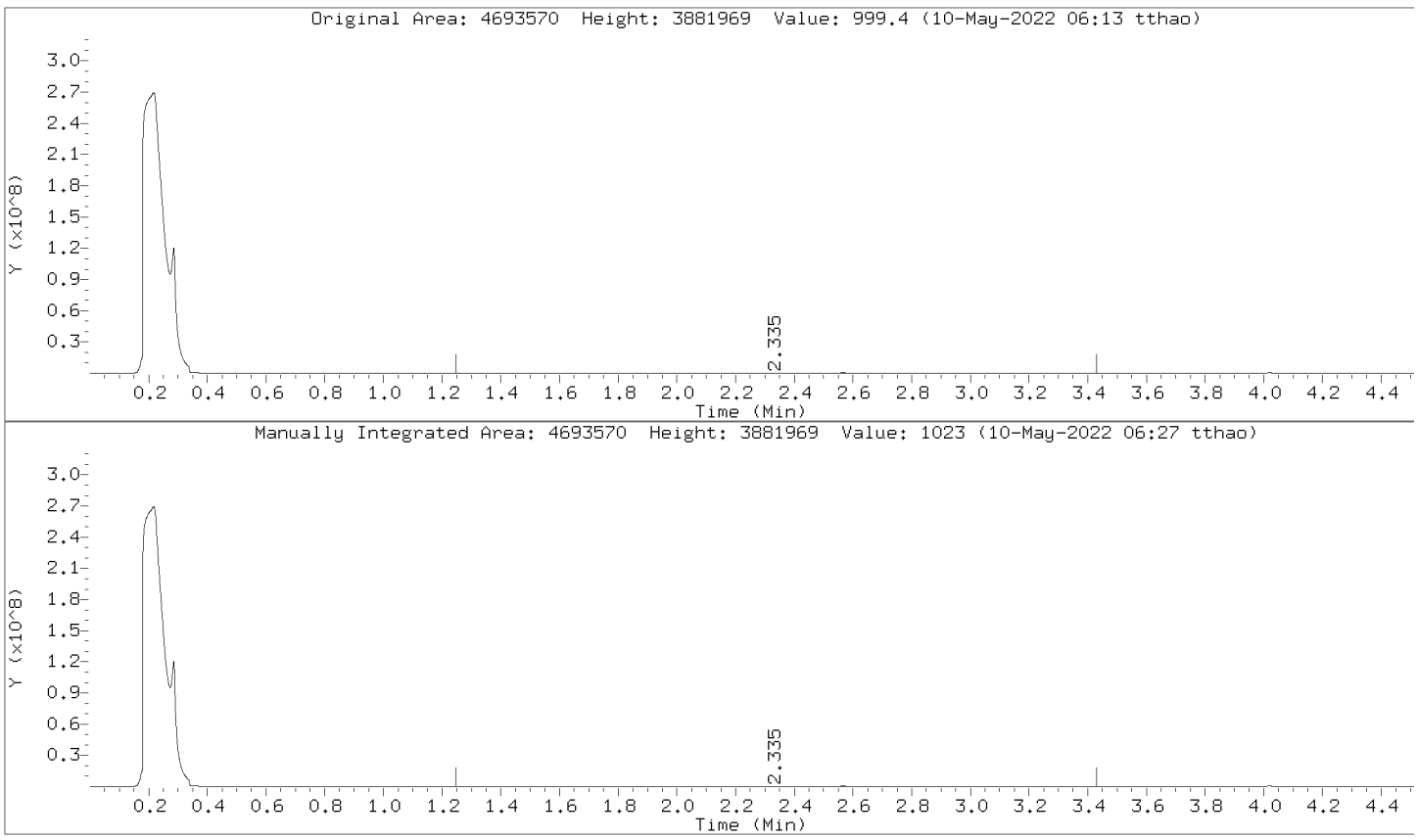
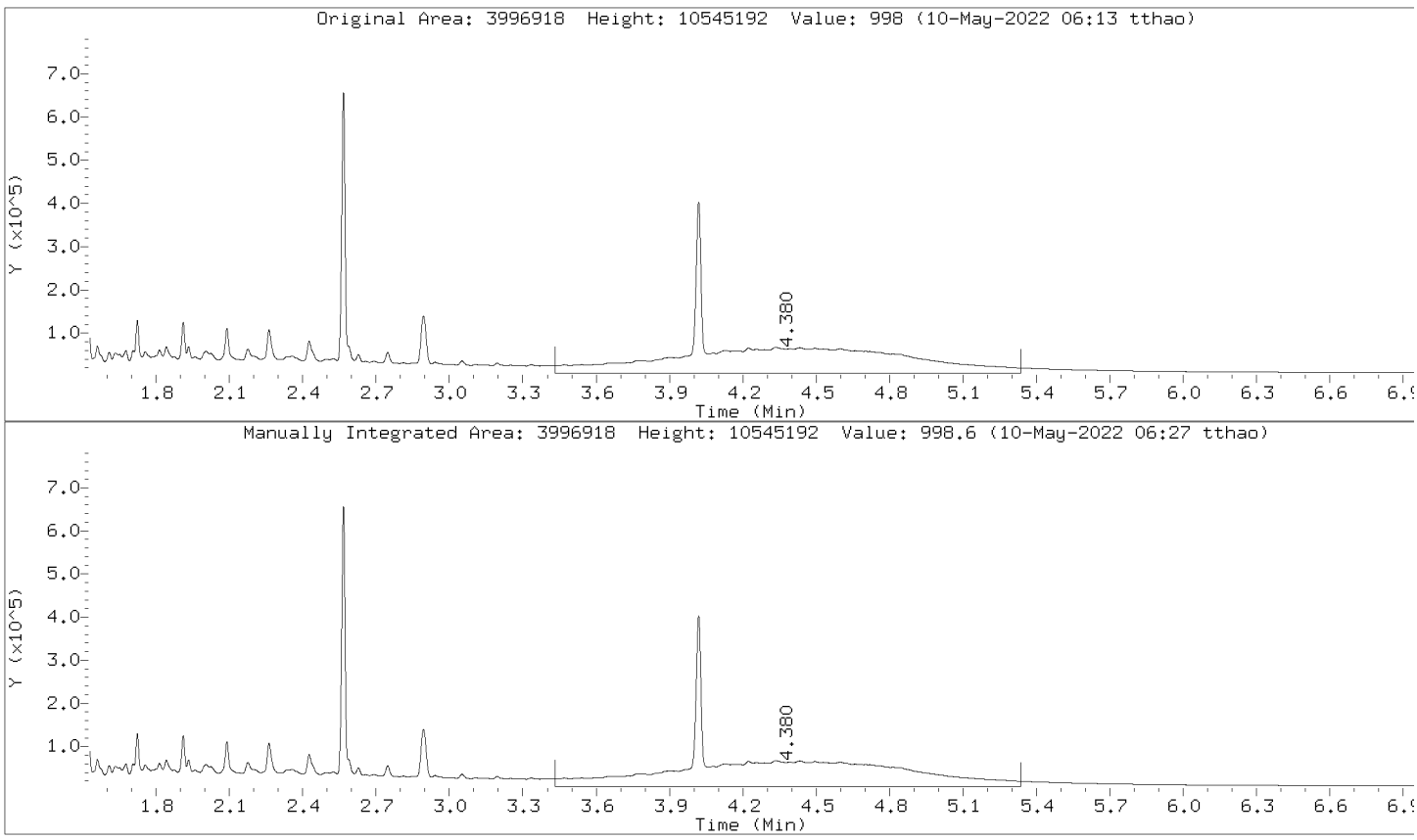
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



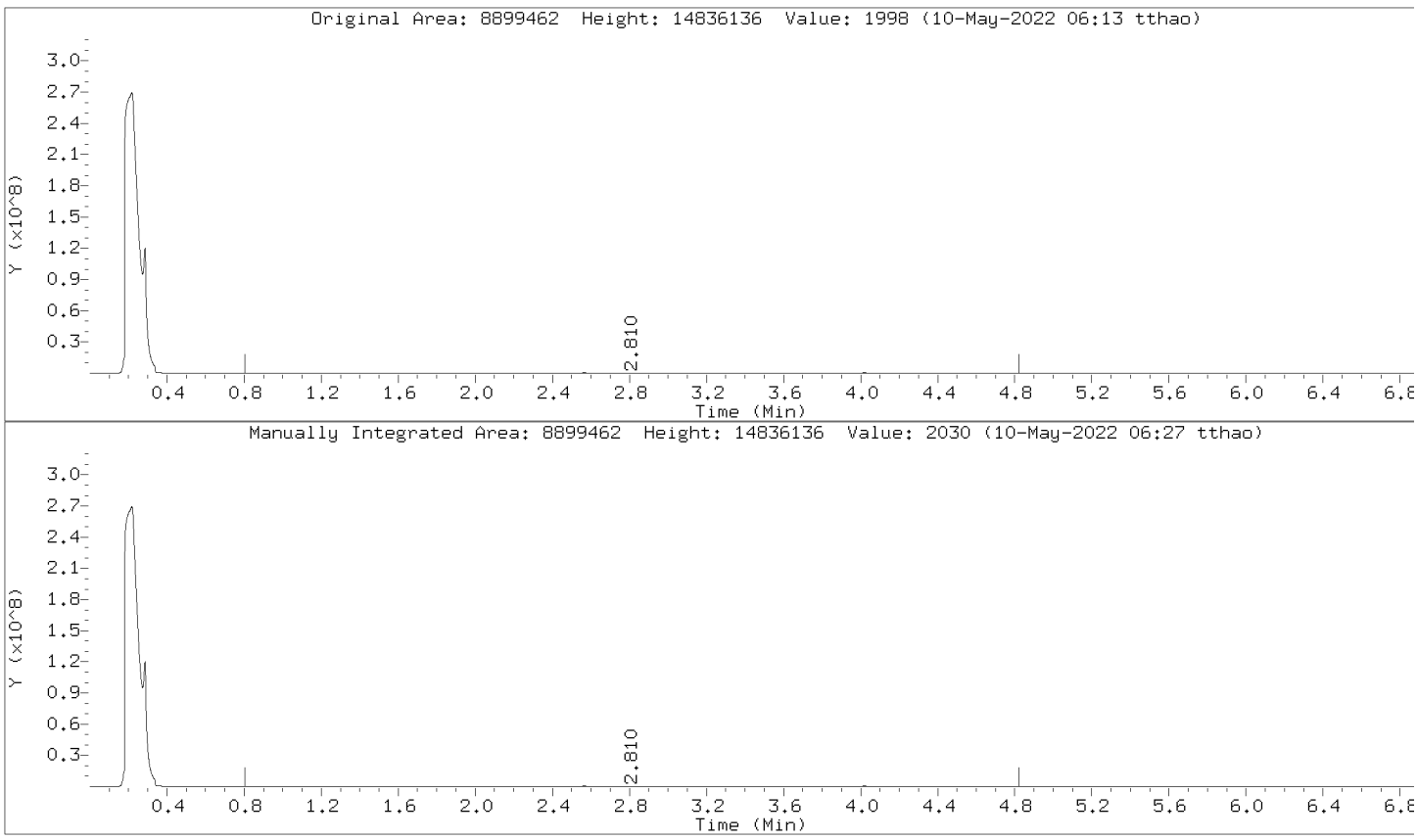
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



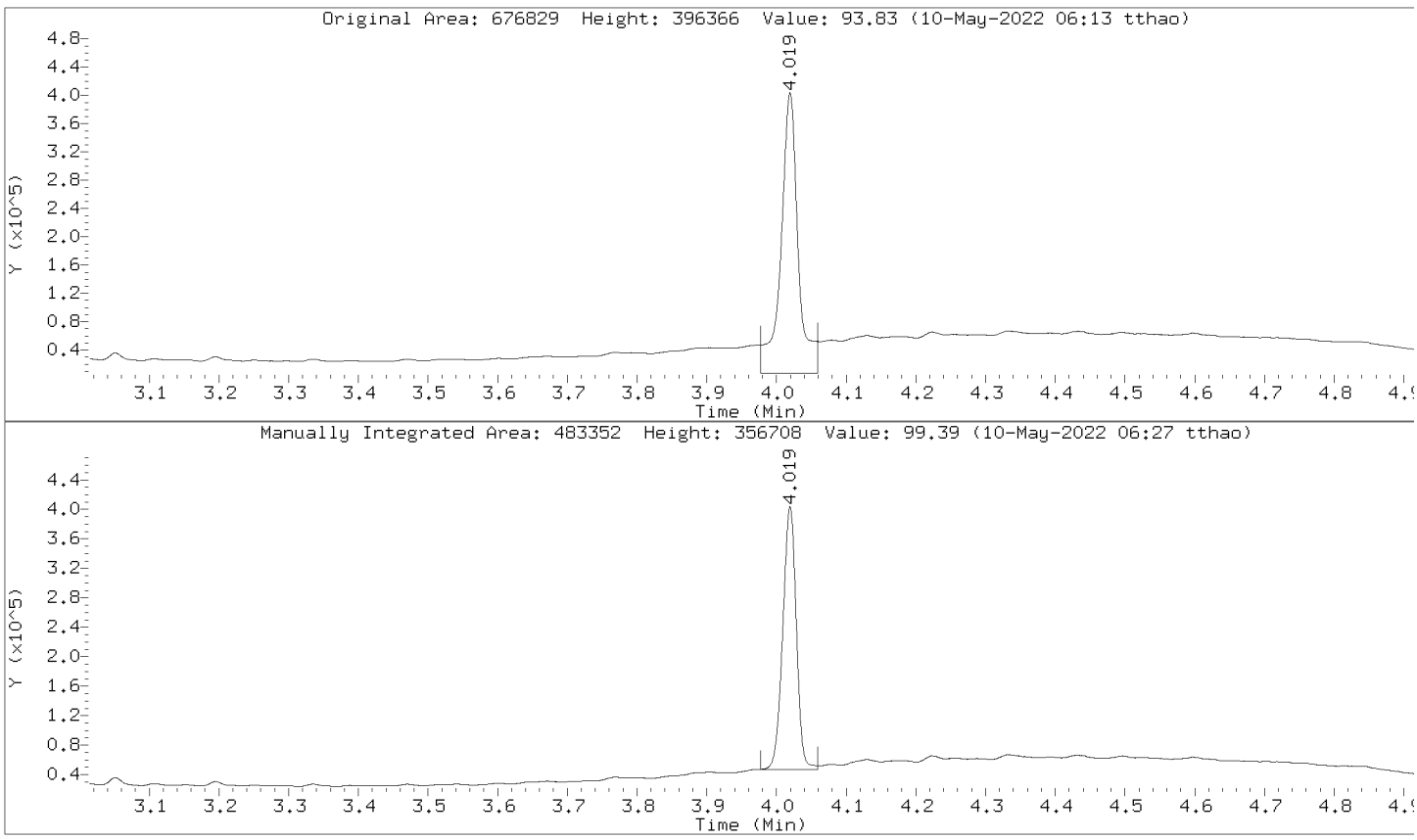
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: C10-C36 Review Code: RNG
CAS Number:



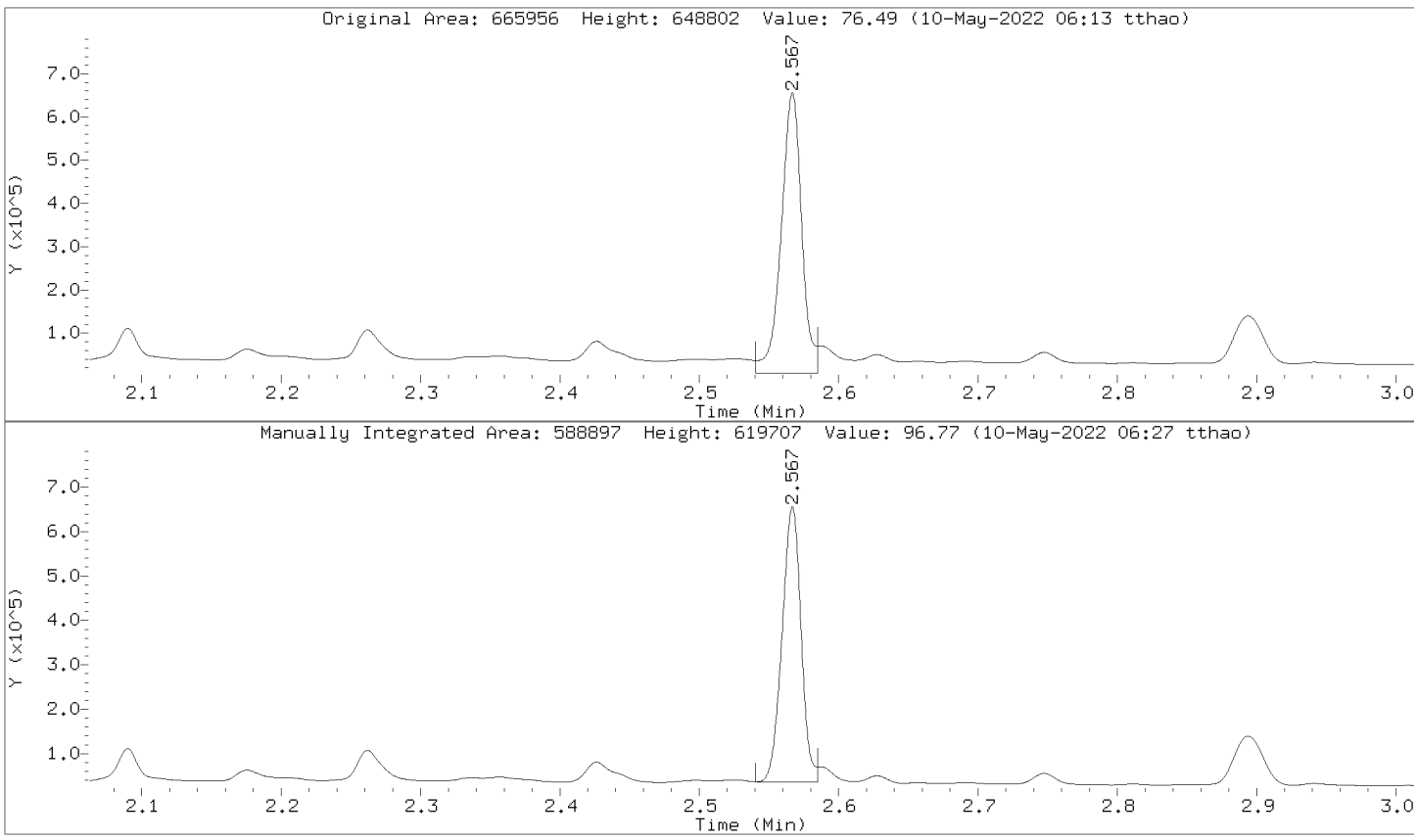
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000031.D
Injection Date: 09-MAY-2022 16:41
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL8,364986:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	3317081	3317081
DRO by AK 102	5582380	5582380
TPH-DRO (C10-C28)	6405840	6405840
Motor Oil Range (C24-C36)	3460735	3460735
Diesel Fuel Range	4693570	4693570
Motor Oil Range	3996918	3996918
Diesel Fuel Range SG	4693570	4693570
Motor Oil Range SG	3996918	3996918
C10-C36	8899462	8899462
n-Triacontane (S)	676829	483352
o-Terphenyl (S)	665956	588897

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000032.D
Lab Smp Id: DMO-CAL9,364987:2 Client Smp ID: DMO-CAL9,364987:2
Inj Date : 09-MAY-2022 16:53
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal9,364987:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 11 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS					
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE		
S 1 DRO by AK 102					CAS #:			
0.800	- 3.380		10708209	2000.00	2010		(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:			
2.570	2.565	0.005	1218261	200.000	200		(M)	BA
$ 3 n-Triacontane (S)					CAS #:			
4.023	4.017	0.006	949227	200.000	195		(M)	BA
S 4 Residual Range Organics AK103					CAS #:			
3.381	- 4.820		6584732	2000.00	2020		(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:			
0.800	- 3.950		12324573	2000.00	2010		(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:			
3.240	- 4.820		6862239	2000.00	2020		(M)	RNG
S 7 C10-C36					CAS #:			
0.800	- 4.820		17292941	4000.00	4030		(M)	RNG
S 8 Diesel Fuel Range					CAS #:			
1.240	- 3.430		8970491	2000.00	2010		(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:			
1.240	- 3.430		8970491	2000.00	2010		(M)	RNG
S 10 Motor Oil Range					CAS #:			
3.431	- 5.330		8005827	2000.00	2030		(M)	RNG
S 11 Motor Oil Range SG					CAS #:			
3.431	- 5.330		8005827	2000.00	2030		(M)	RNG

QC Flag Legend

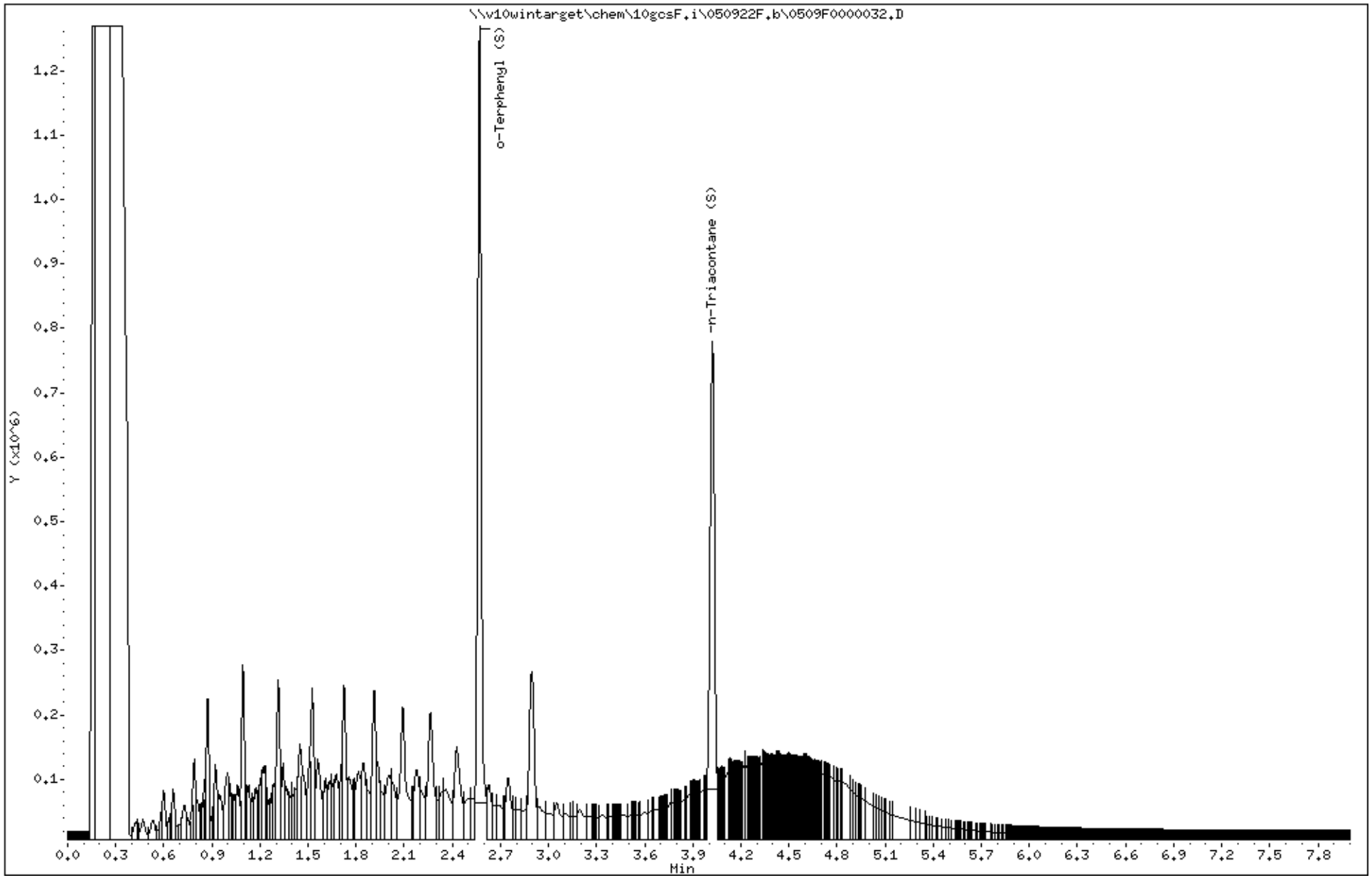
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000032.D
Date : 09-MAY-2022 16:53
Client ID: DMO-CAL9,364987:2
Sample Info: DMO-CAL9,364987:2

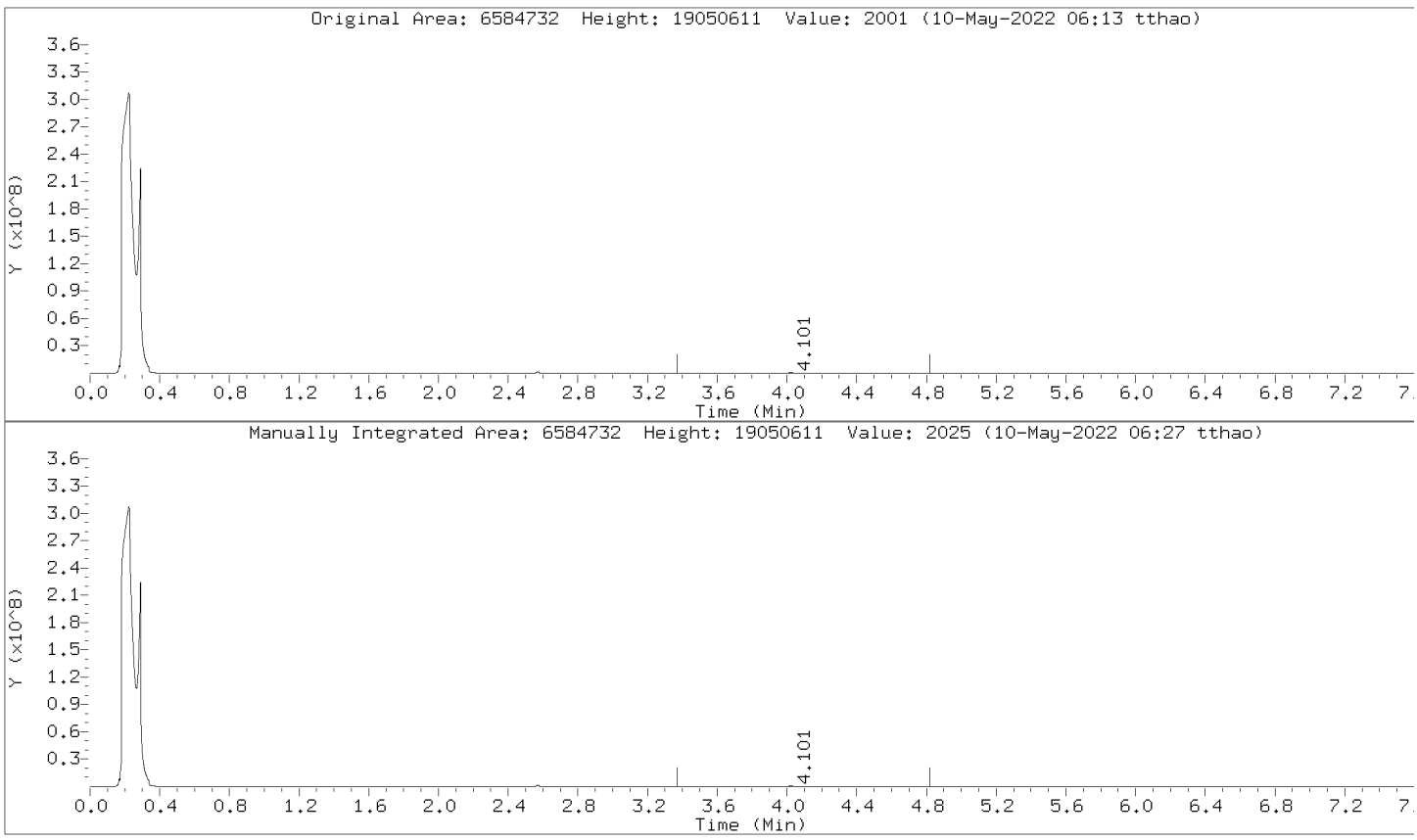
Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



260 of 1506
173 of 723
10606565

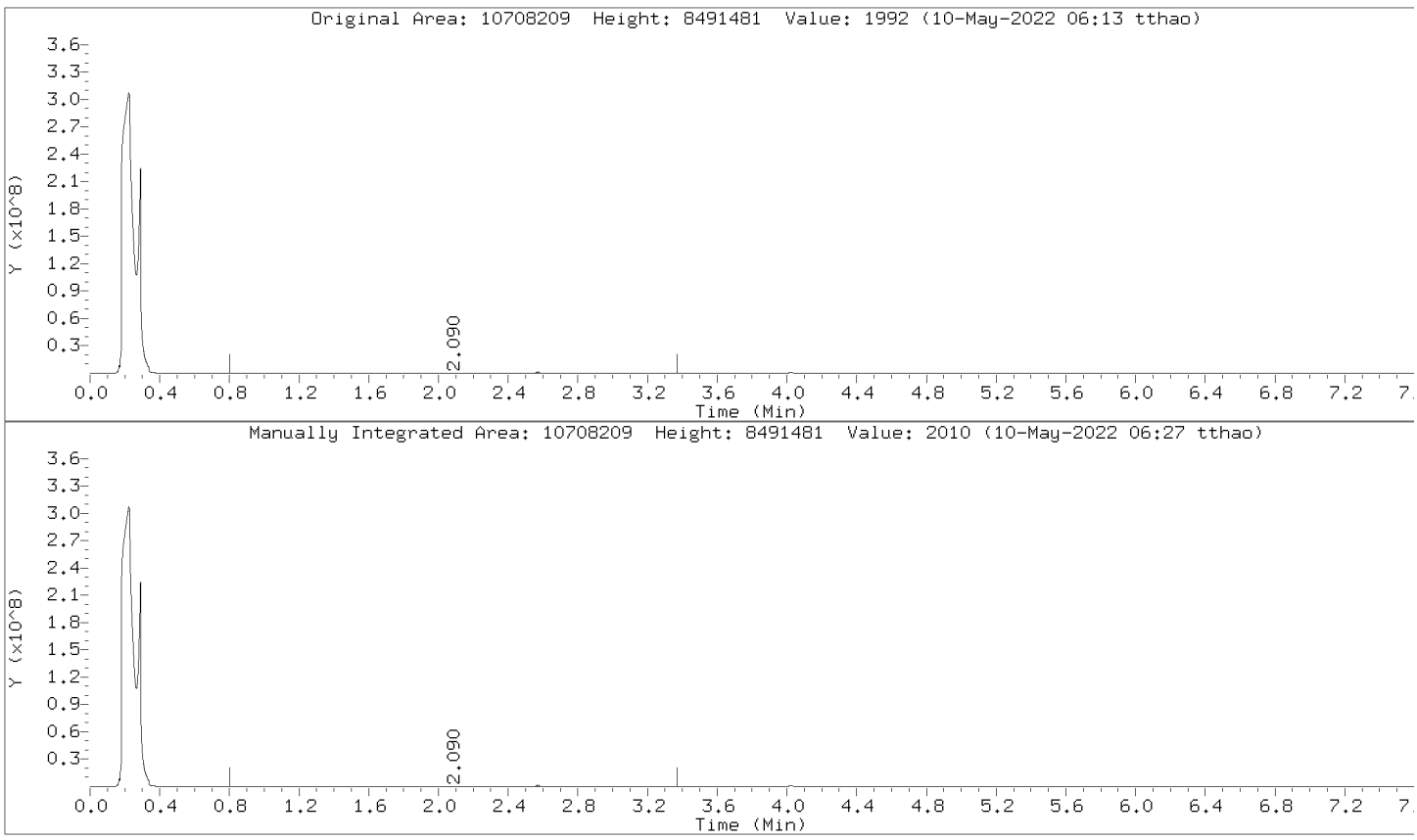
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



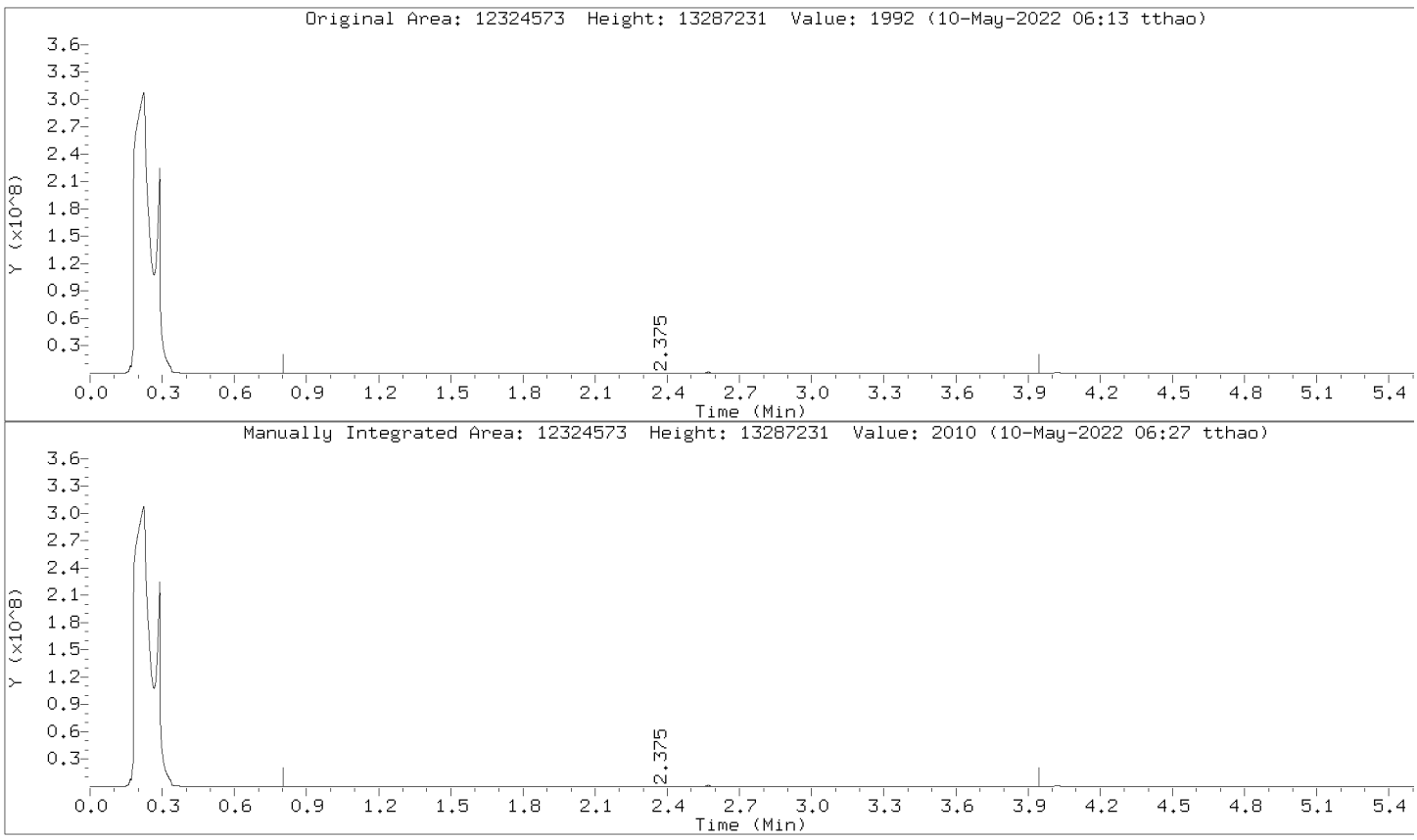
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



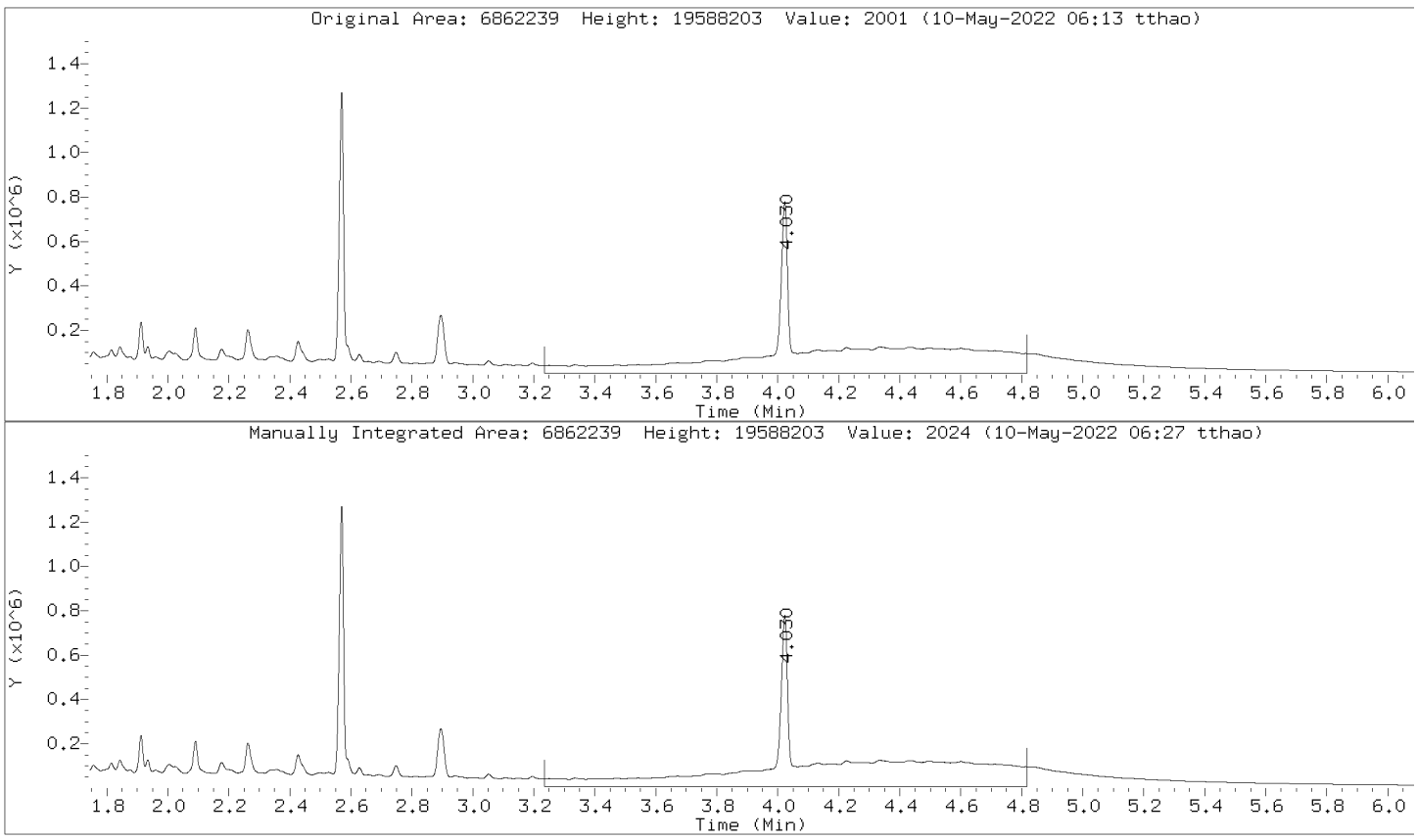
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



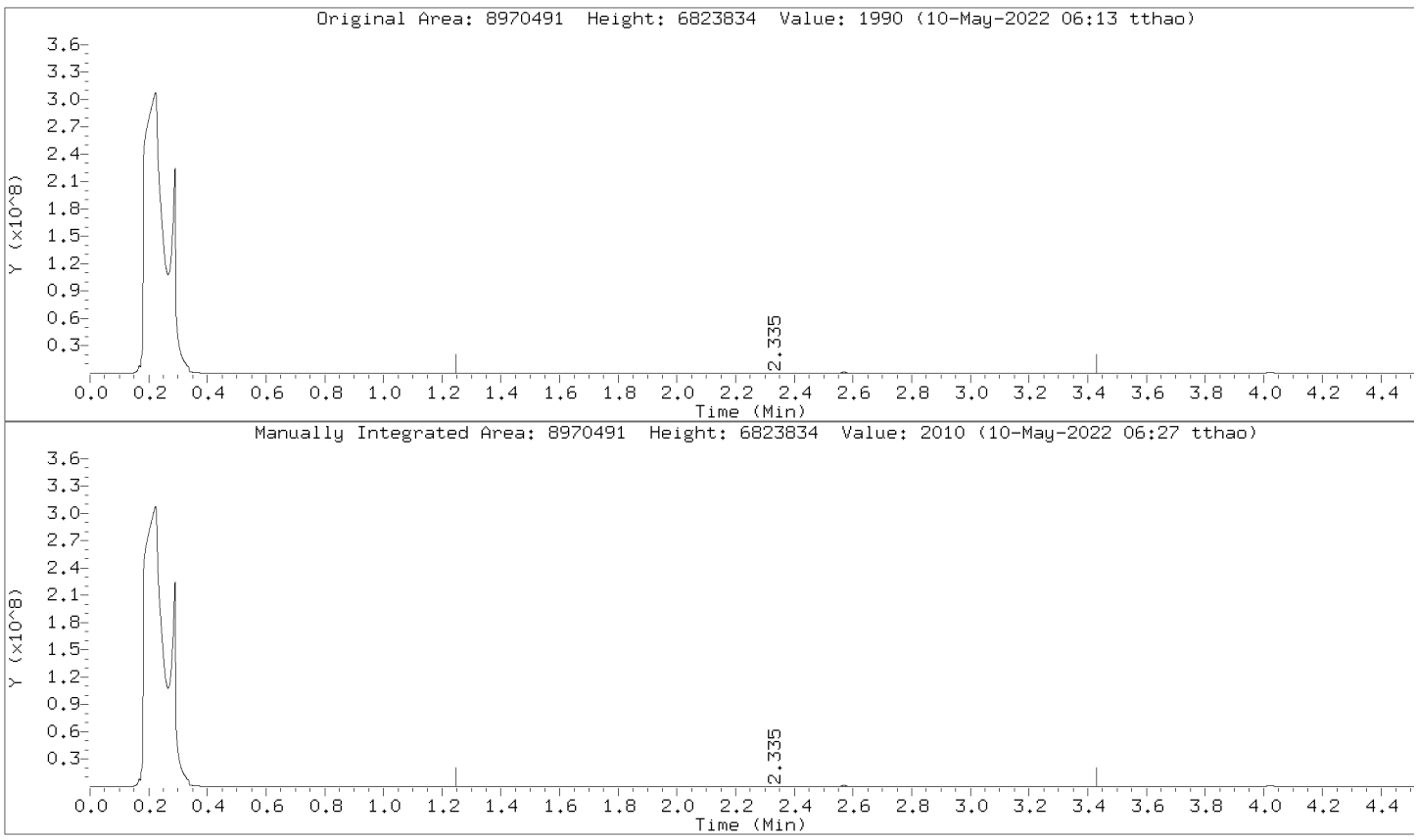
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



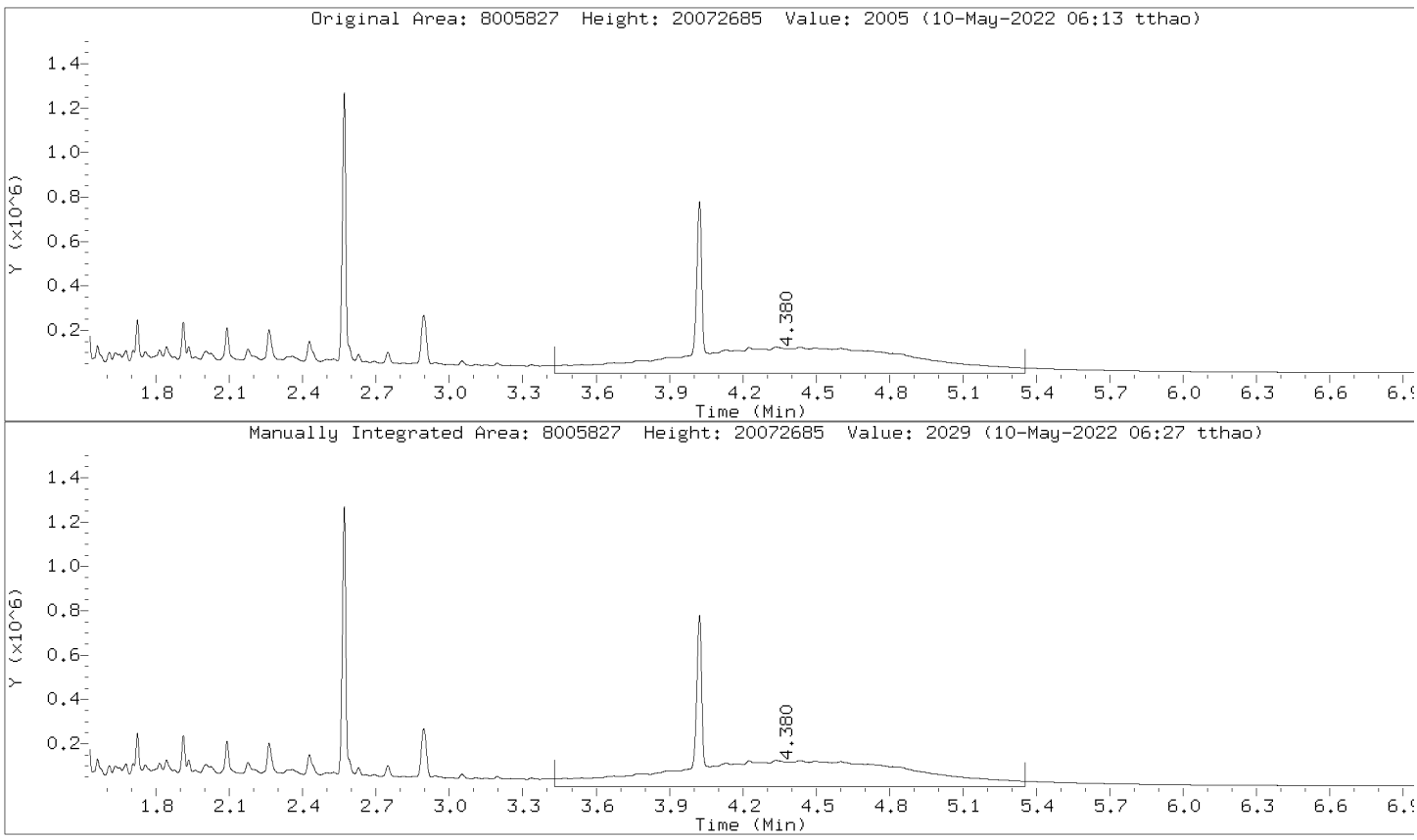
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



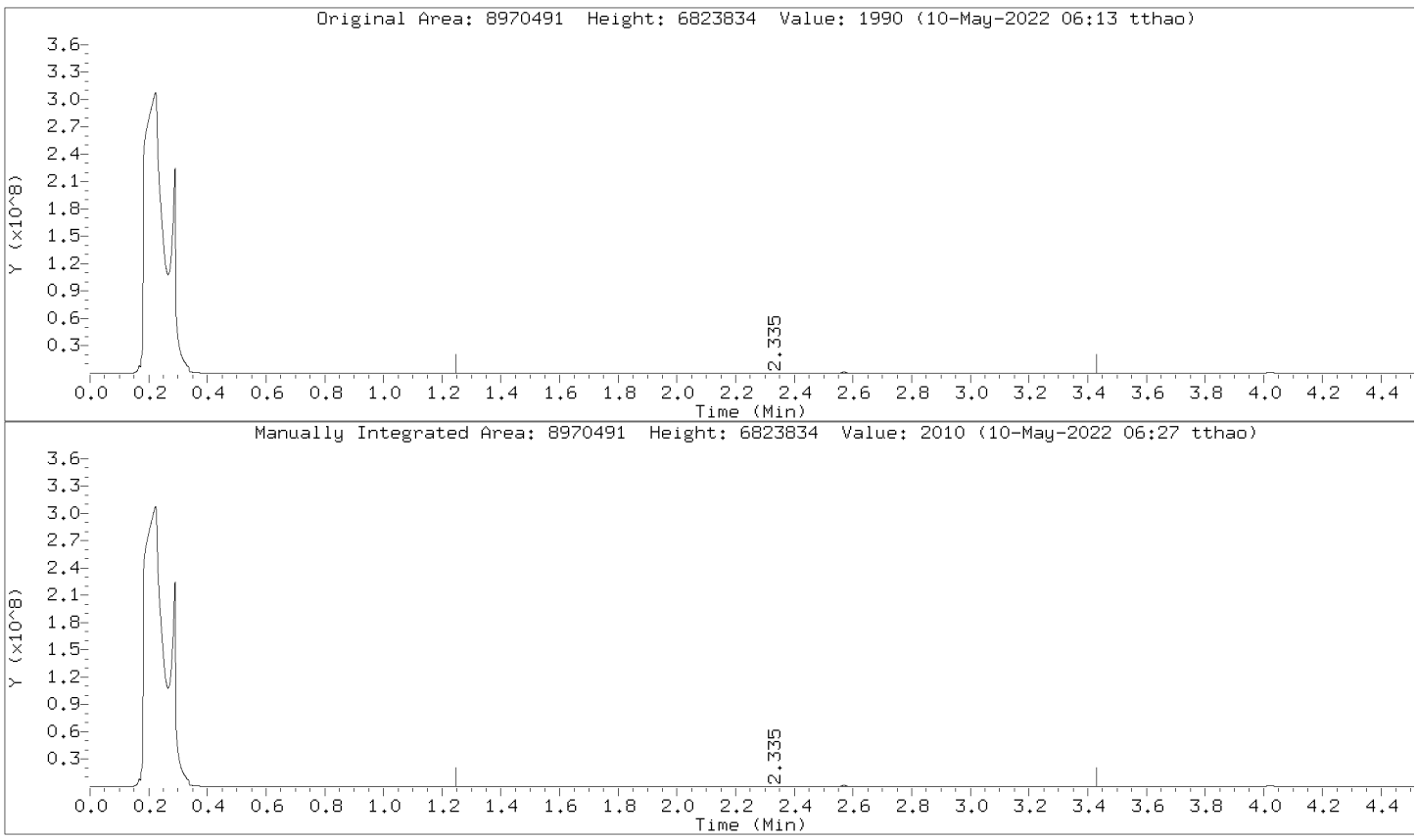
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



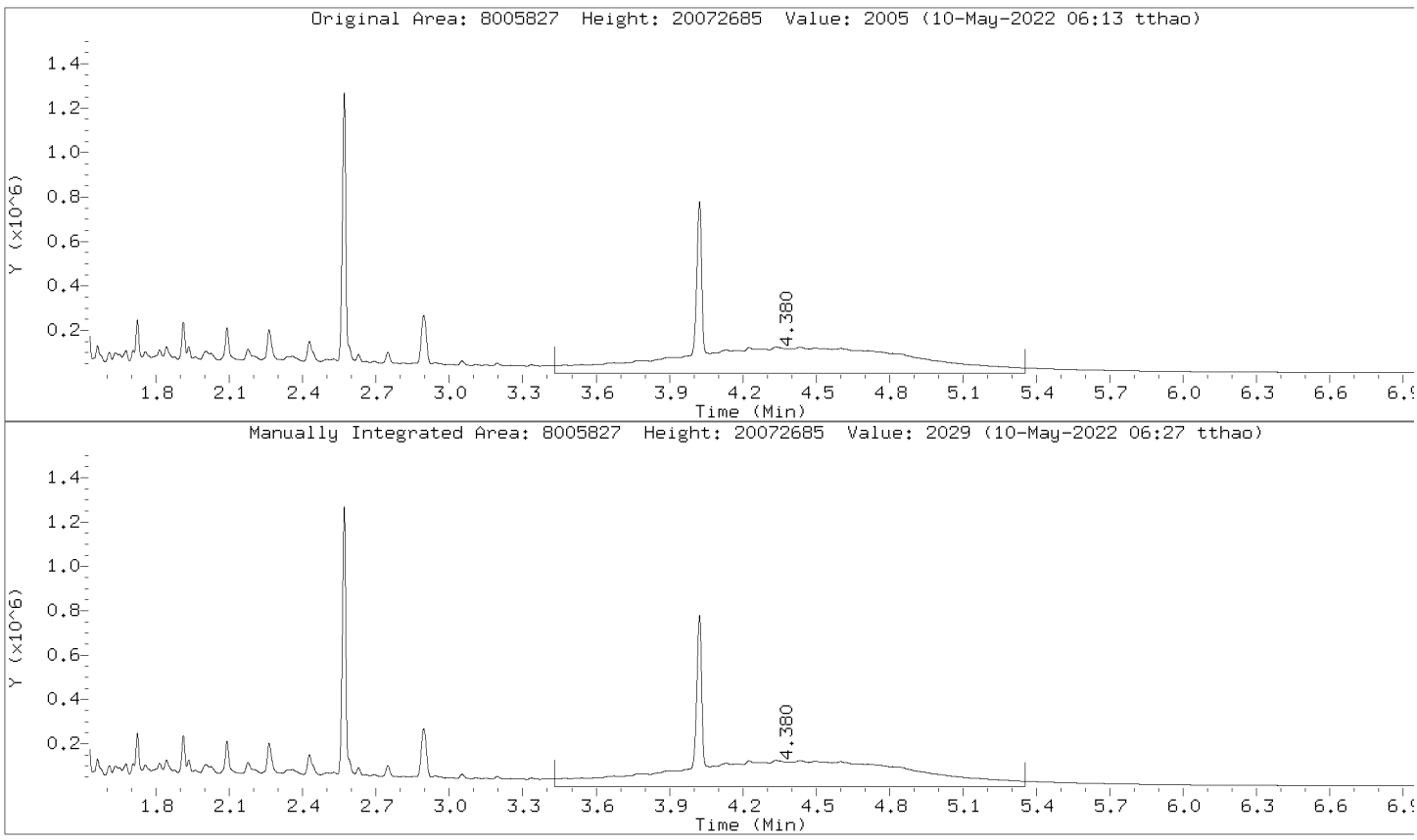
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



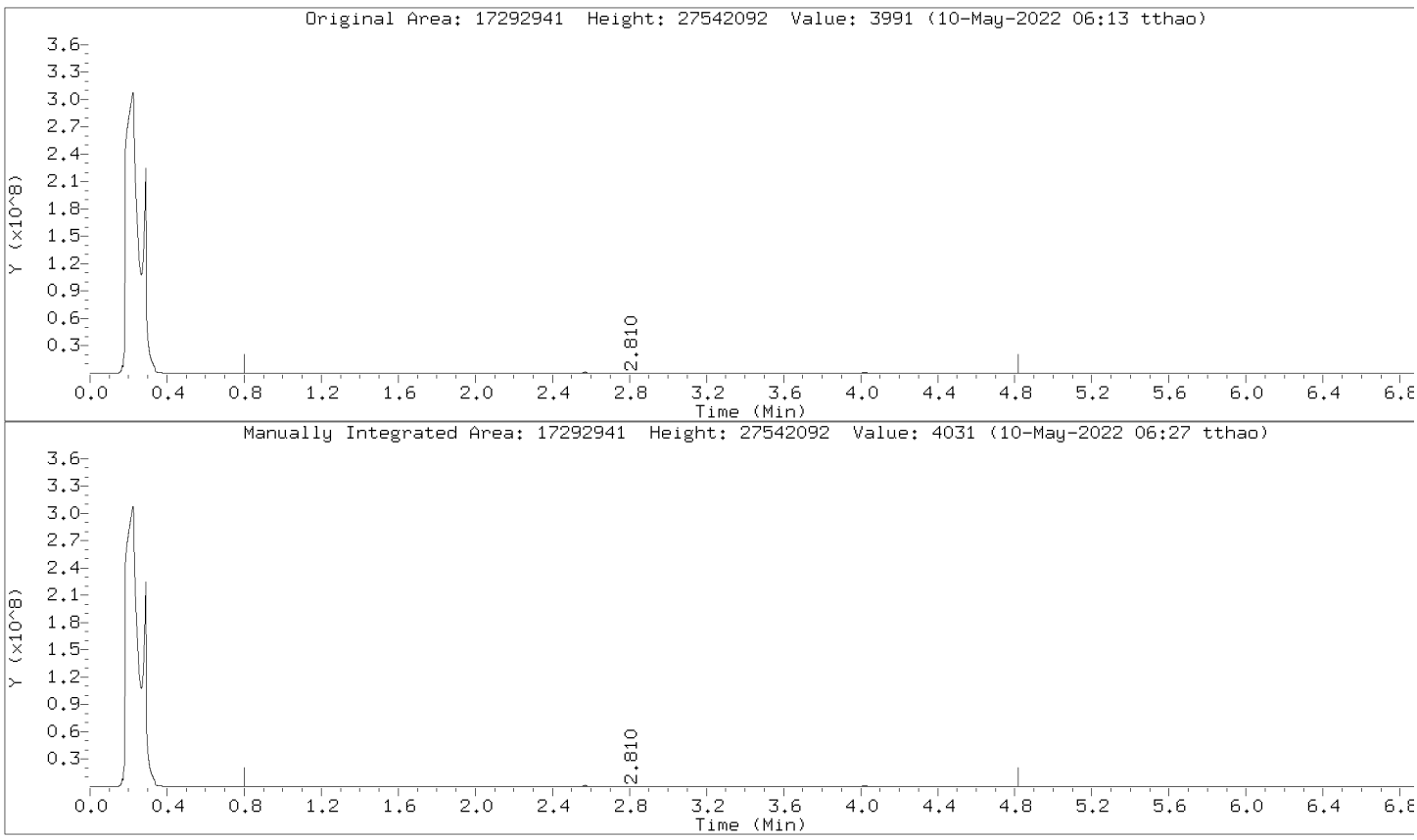
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



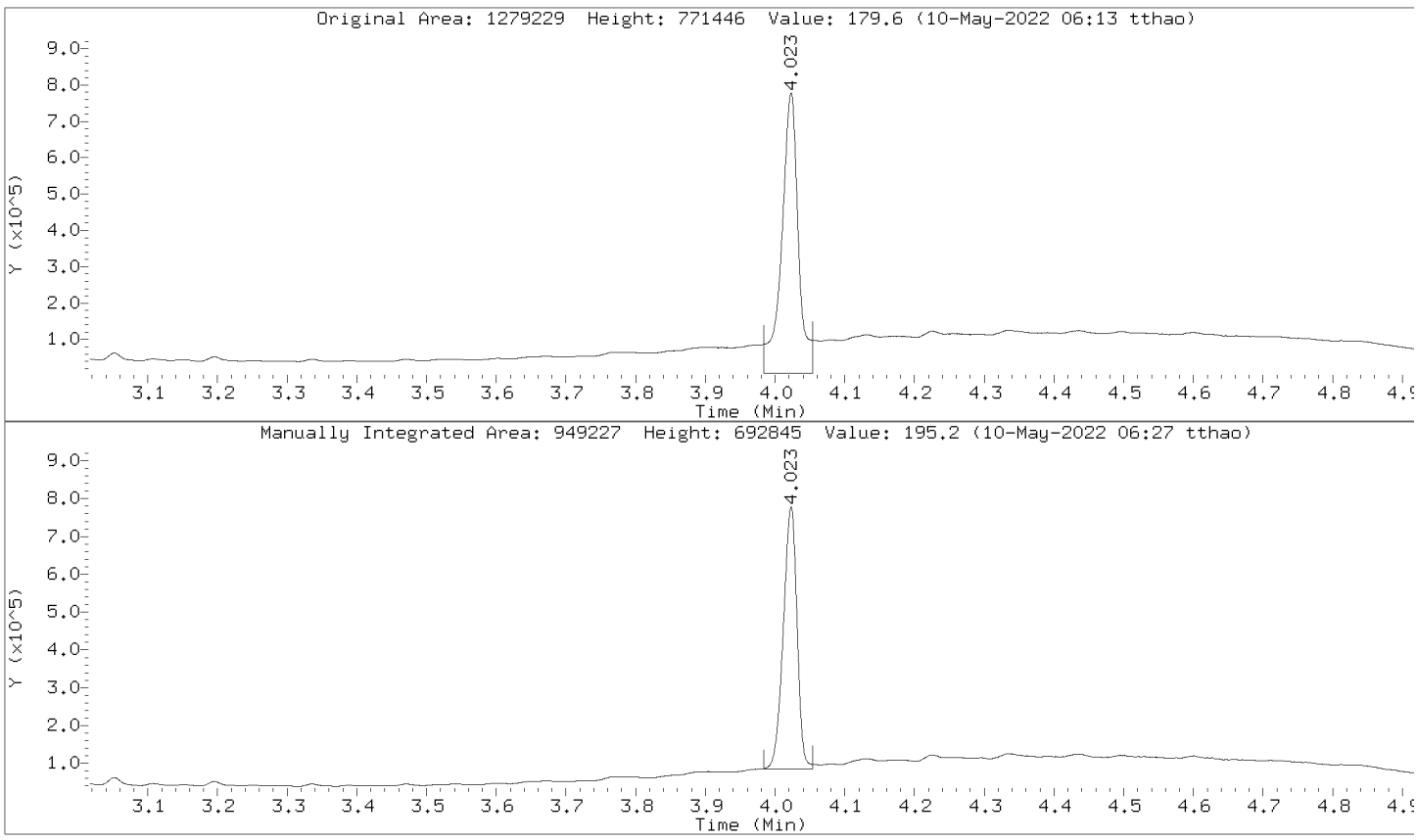
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: C10-C36 Review Code: RNG
CAS Number:



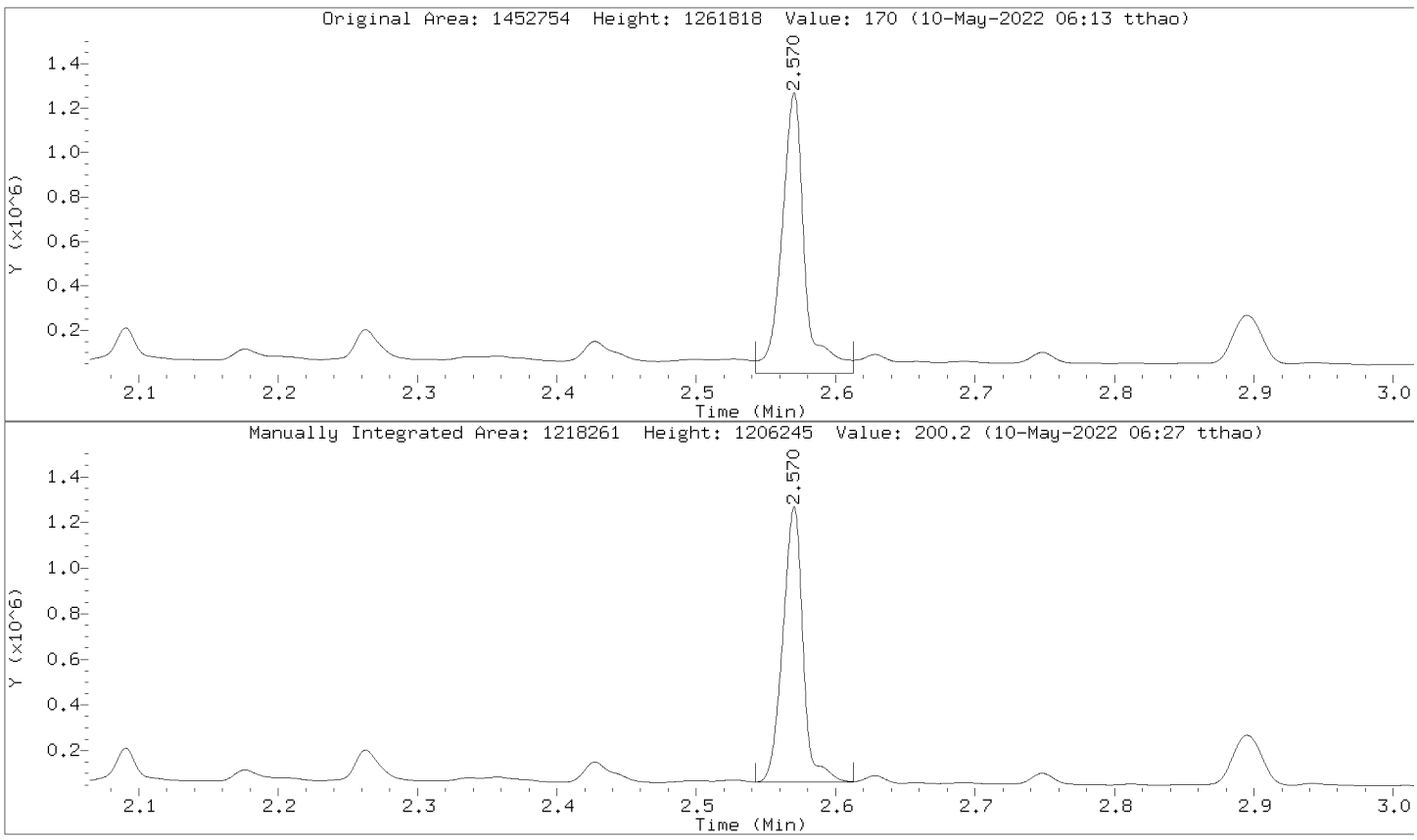
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000032.D
Injection Date: 09-MAY-2022 16:53
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL9,364987:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	6584732	6584732
DRO by AK 102	10708209	10708209
TPH-DRO (C10-C28)	12324573	12324573
Motor Oil Range (C24-C36)	6862239	6862239
Diesel Fuel Range	8970491	8970491
Motor Oil Range	8005827	8005827
Diesel Fuel Range SG	8970491	8970491
Motor Oil Range SG	8005827	8005827
C10-C36	17292941	17292941
n-Triacontane (S)	1279229	949227
o-Terphenyl (S)	1452754	1218261

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000033.D
Lab Smp Id: DMO-CAL10,364988:2 Client Smp ID: DMO-CAL10,364988:2
Inj Date : 09-MAY-2022 17:04
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-cal10,364988:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 12 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		20961677	4000.00	3990	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.576	2.565	0.011	2430969	400.000	399	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.030	4.017	0.013	1891444	400.000	389	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		12872009	4000.00	3990	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		24147947	4000.00	3990	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		13410309	4000.00	3990	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		33833686	8000.00	7980	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		17540429	4000.00	3990	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		17540429	4000.00	3990	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		15615349	4000.00	3980	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		15615349	4000.00	3980	(M)	RNG

QC Flag Legend

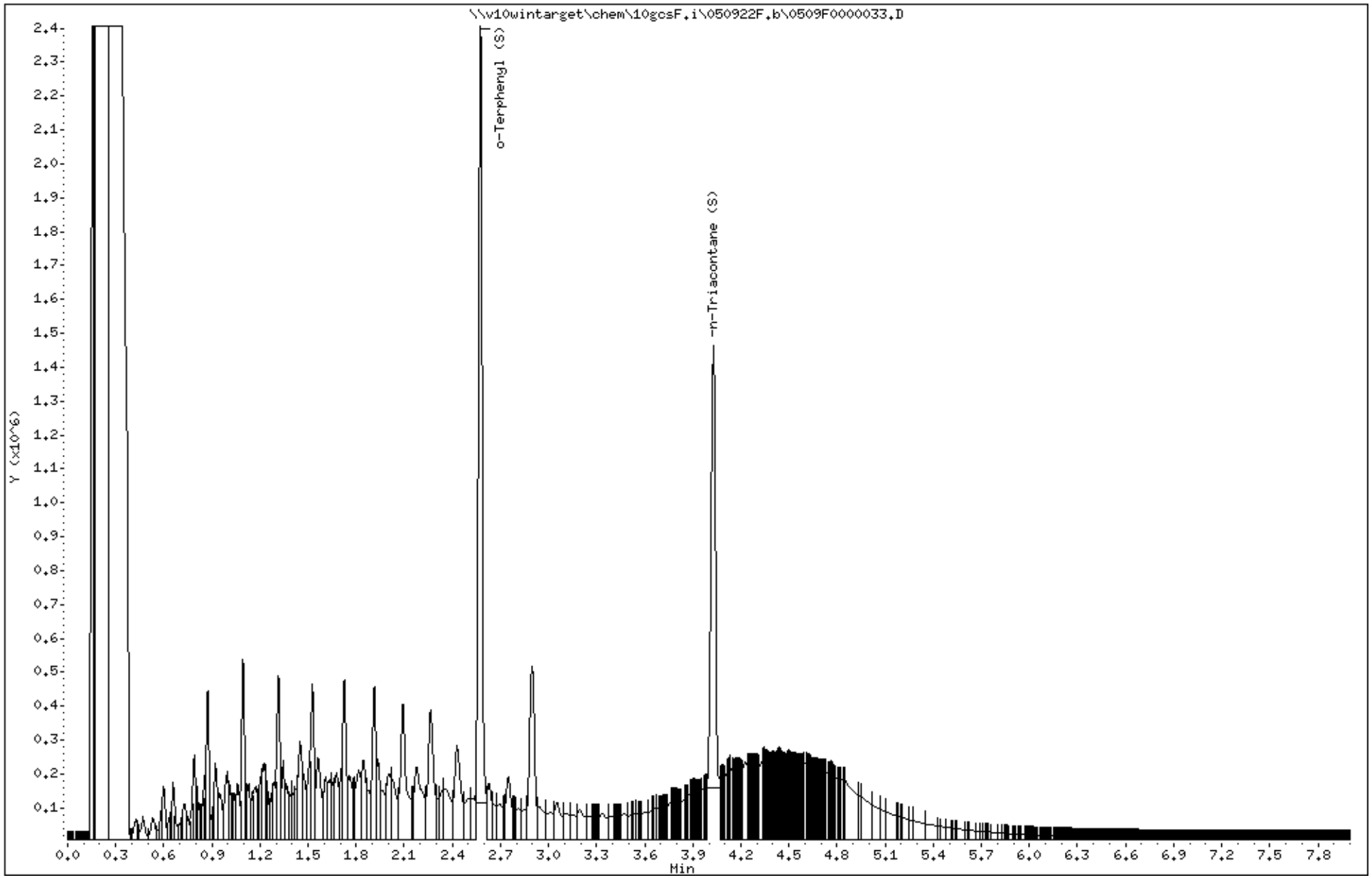
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000033.D
Date : 09-MAY-2022 17:04
Client ID: DMO-CAL10,364988:2
Sample Info: DMO-CAL10,364988:2

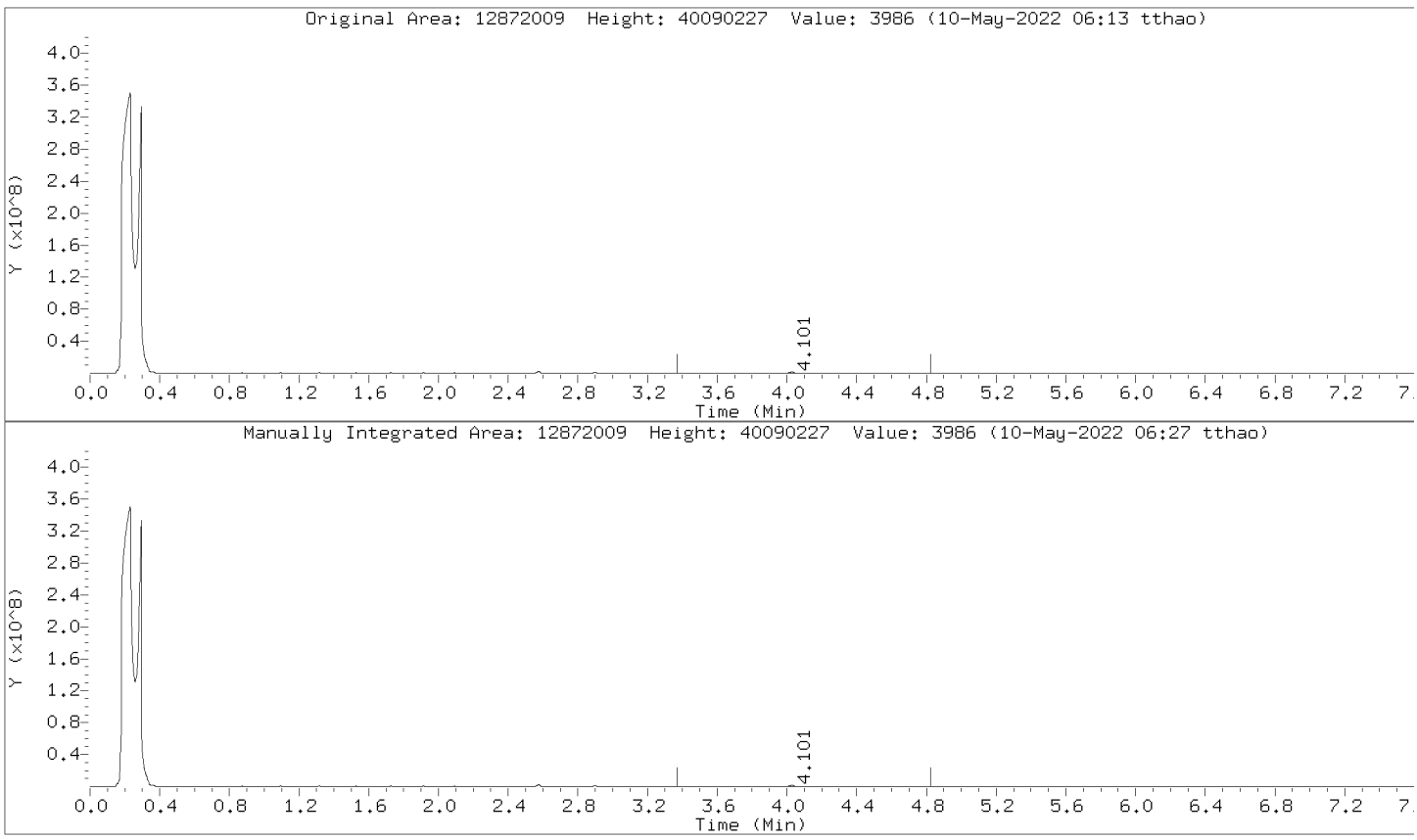
Instrument: 10gcsF.i
Operator: TT2
Column phase: DB-5-US21390001
Column diameter: 0.32



274 of 1506
187 of 723
10606565

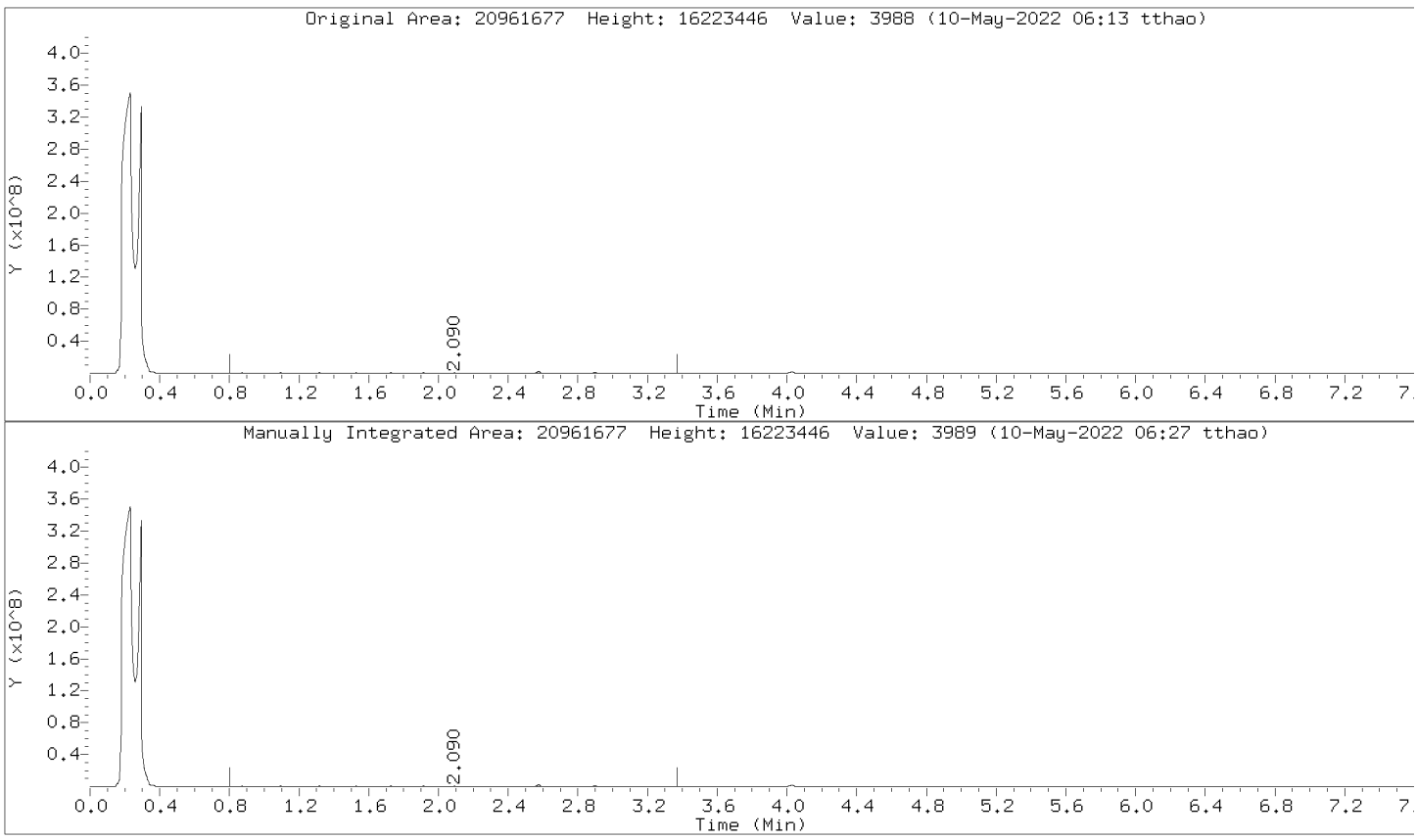
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



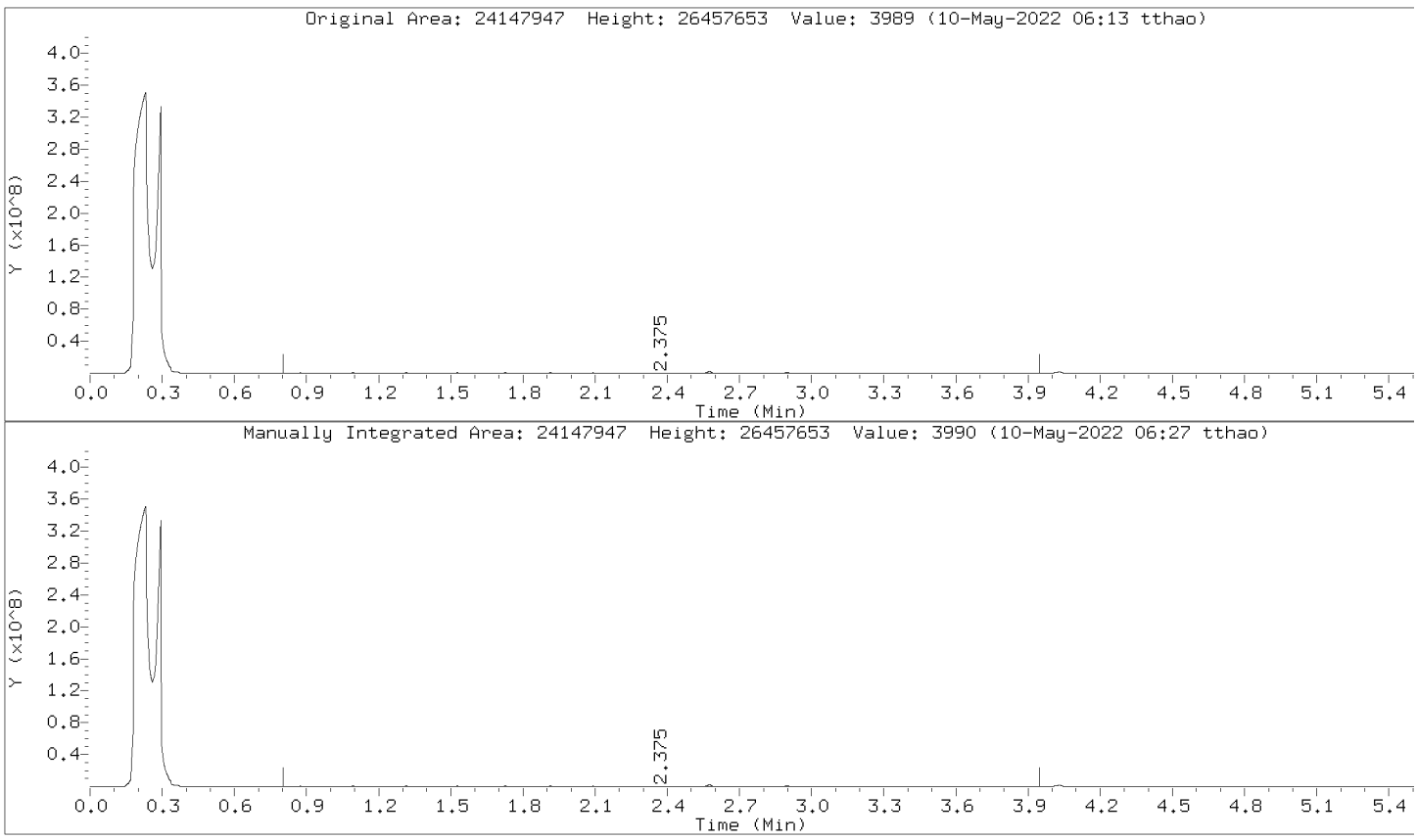
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



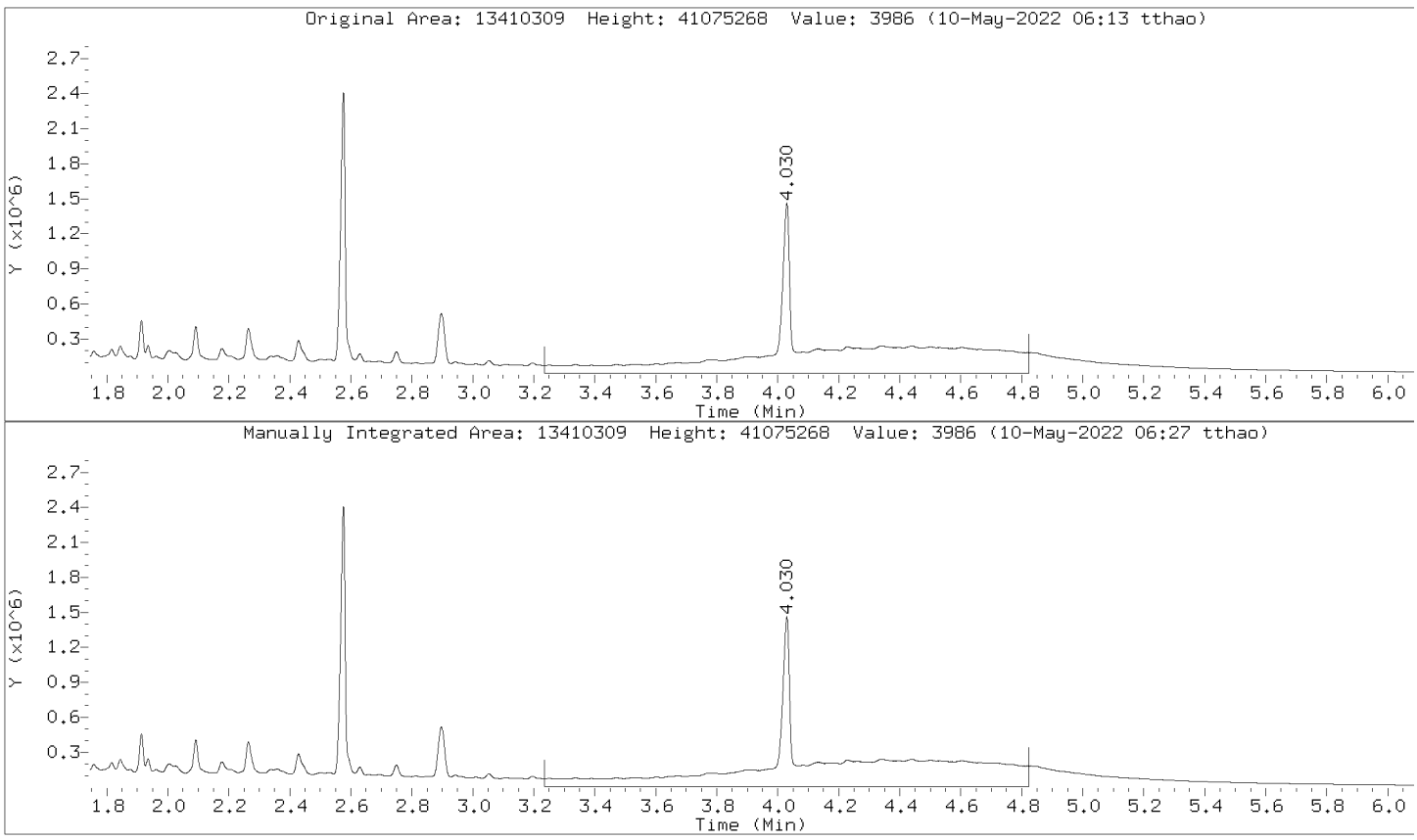
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



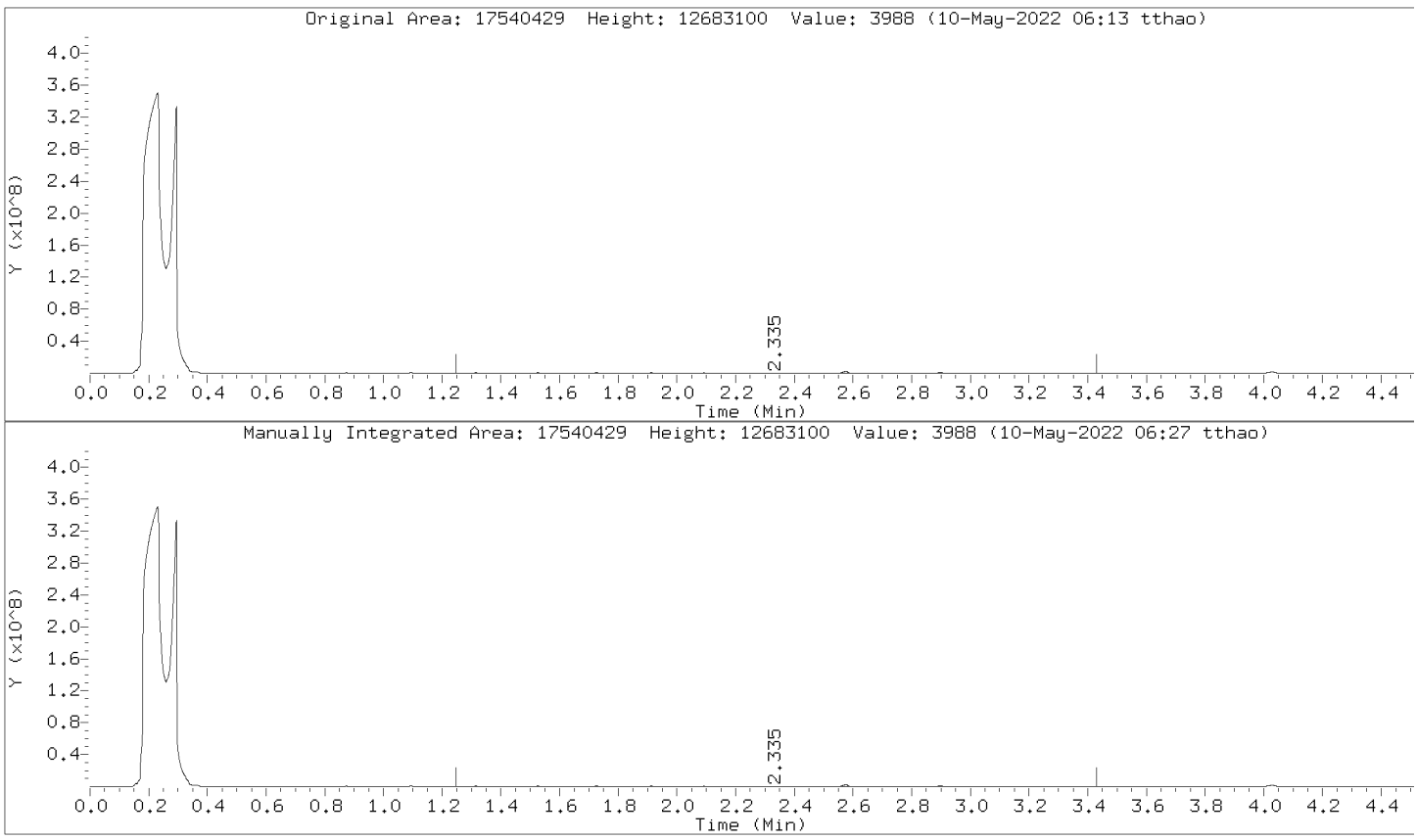
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



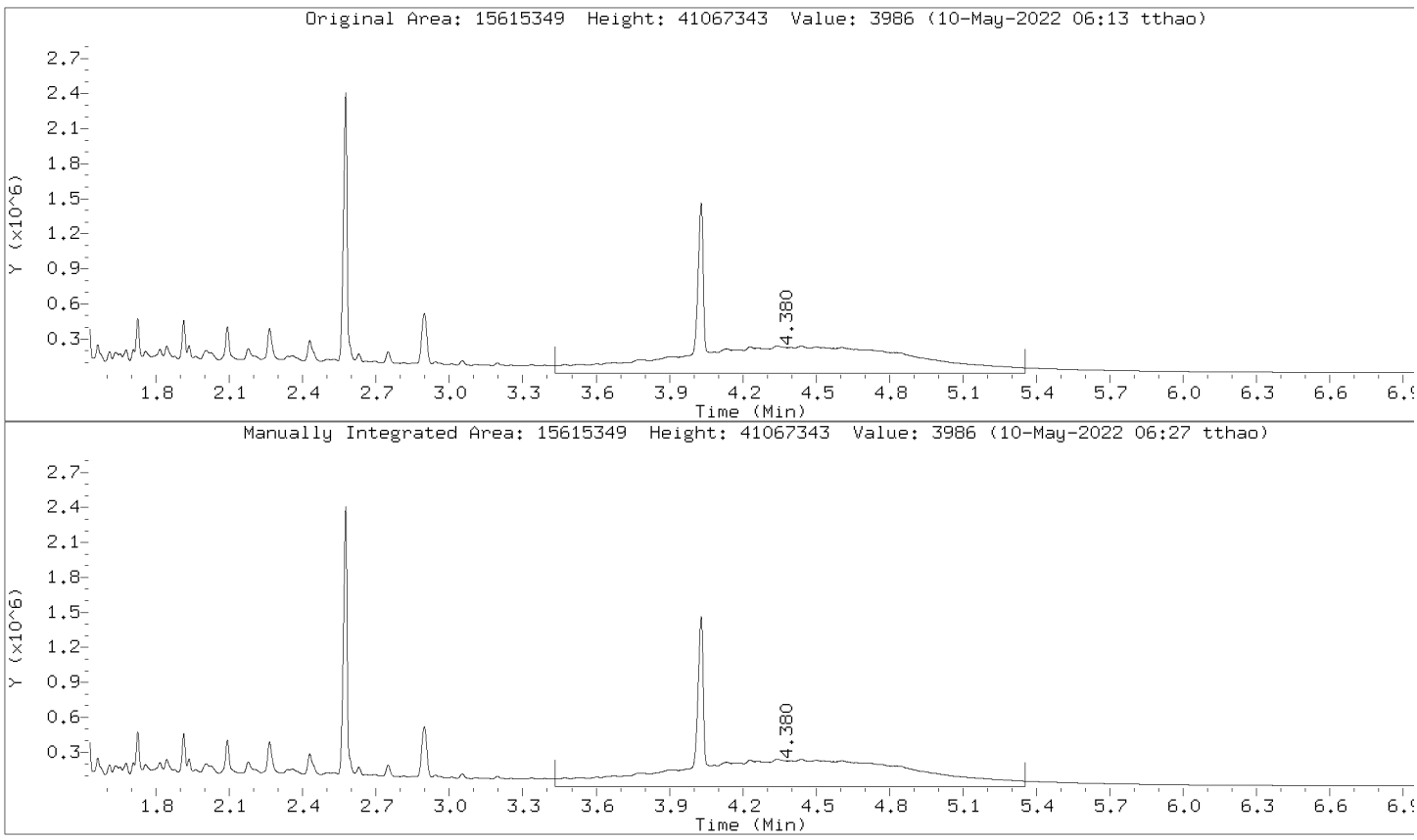
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



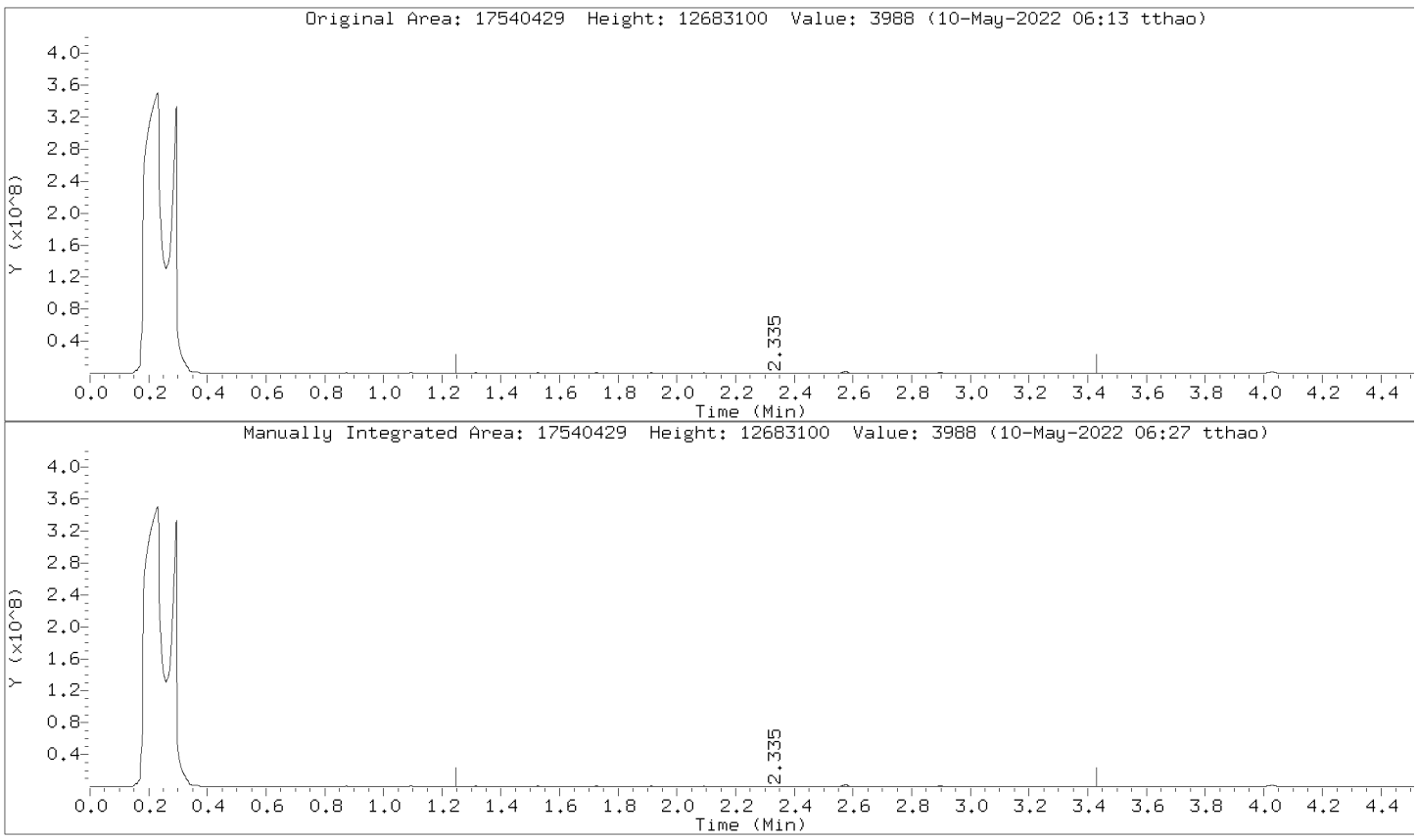
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



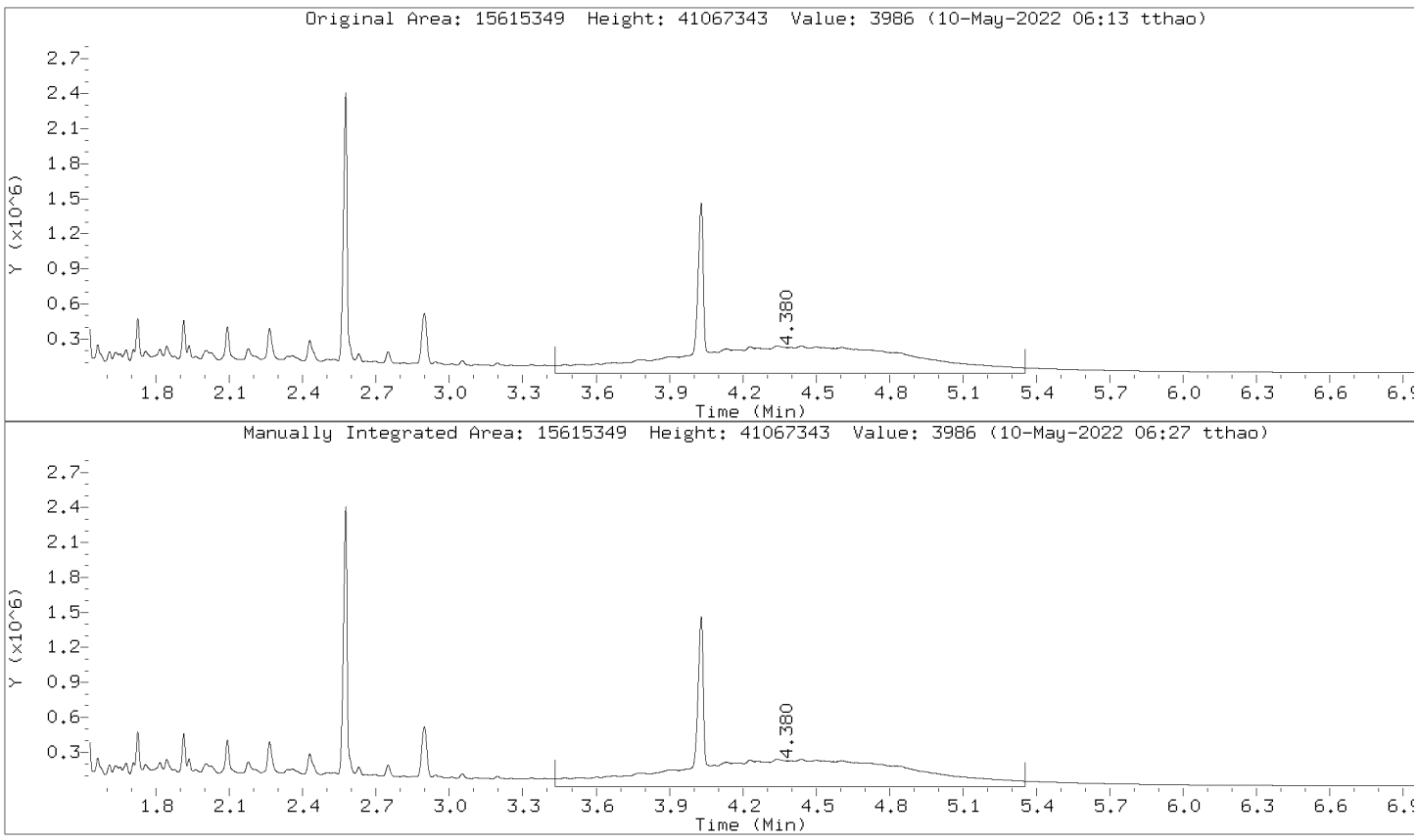
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



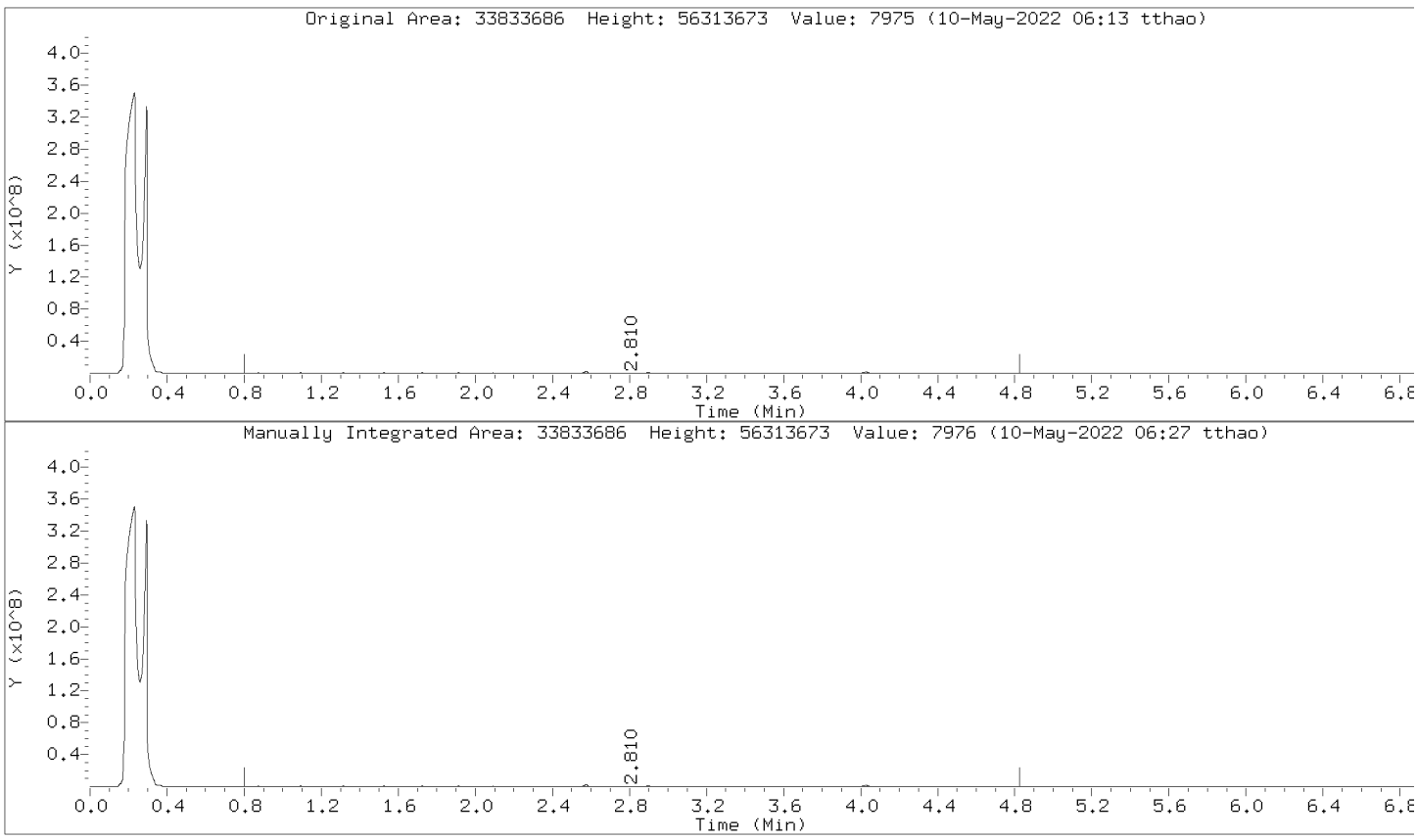
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



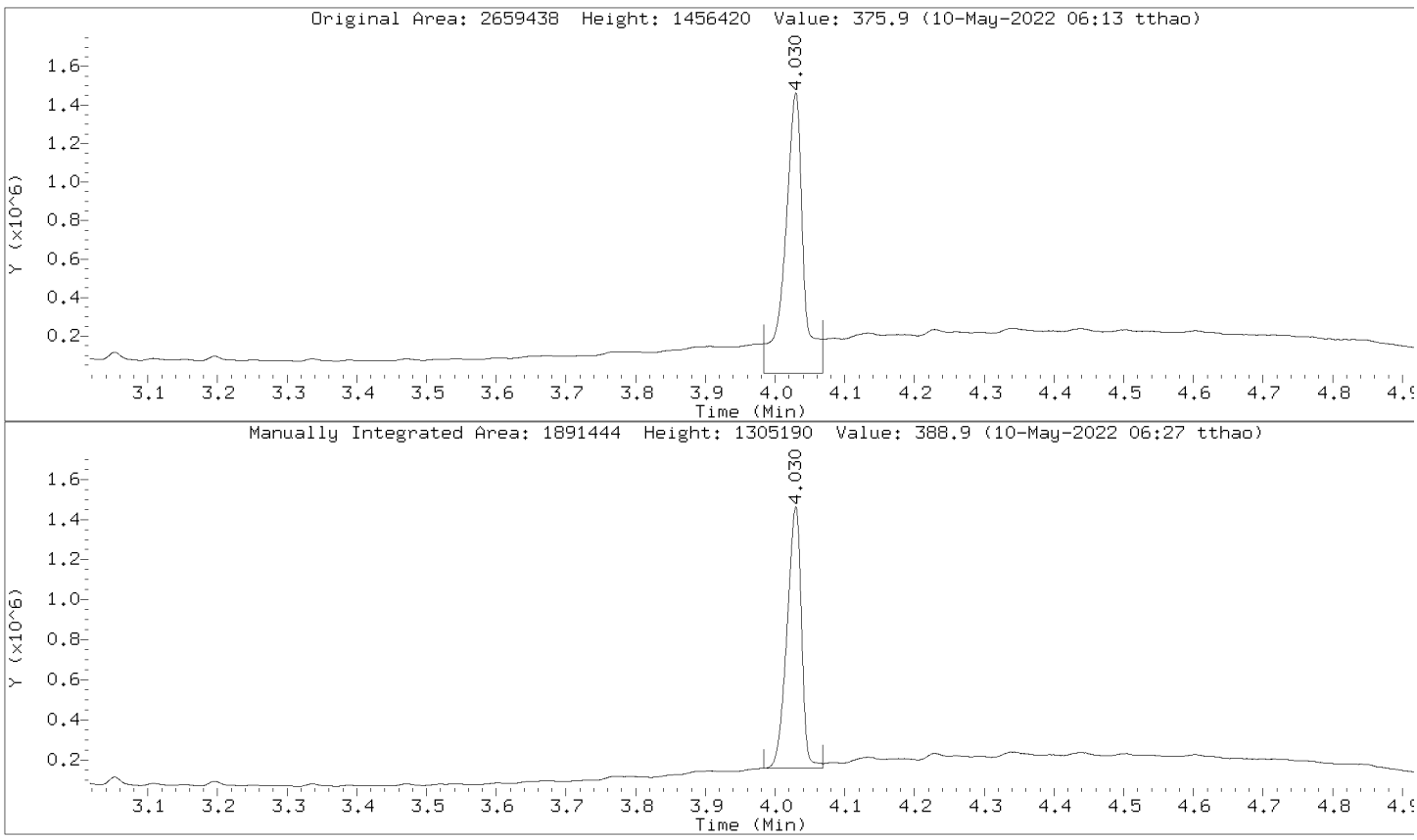
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: C10-C36 Review Code: RNG
CAS Number:



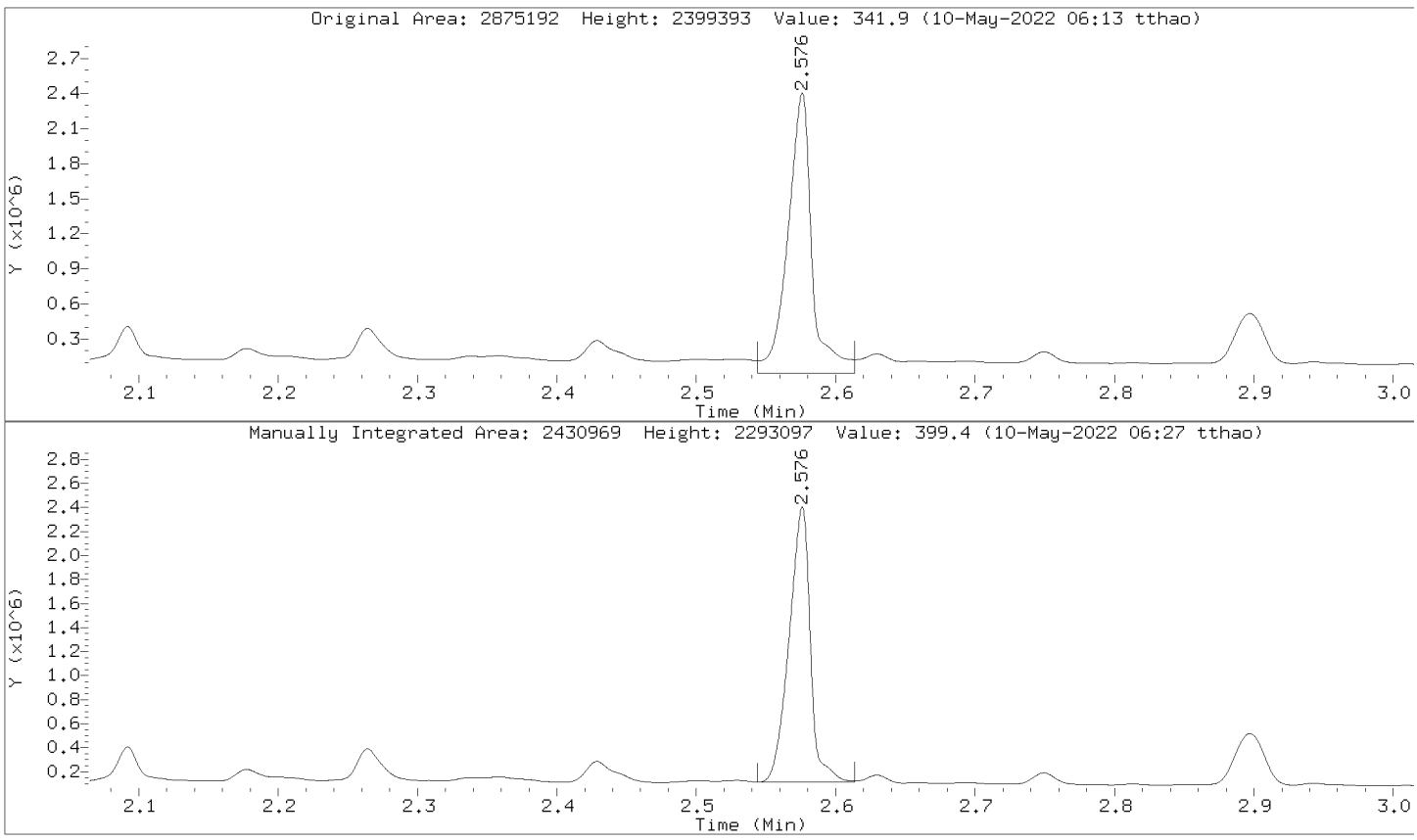
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000033.D
Injection Date: 09-MAY-2022 17:04
Instrument: 10gcsF.i
Lab Sample ID: DMO-CAL10,364988:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	12872009	12872009
DRO by AK 102	20961677	20961677
TPH-DRO (C10-C28)	24147947	24147947
Motor Oil Range (C24-C36)	13410309	13410309
Diesel Fuel Range	17540429	17540429
Motor Oil Range	15615349	15615349
Diesel Fuel Range SG	17540429	17540429
Motor Oil Range SG	15615349	15615349
C10-C36	33833686	33833686
n-Triacontane (S)	2659438	1891444
o-Terphenyl (S)	2875192	2430969

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000003.D
Lab Smp Id: DMO-RTM,365036:2 Client Smp ID: DMO-RTM,365036:2
Inj Date : 11-MAY-2022 13:45
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-rtm,365036:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 11-May-2022 15:29 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

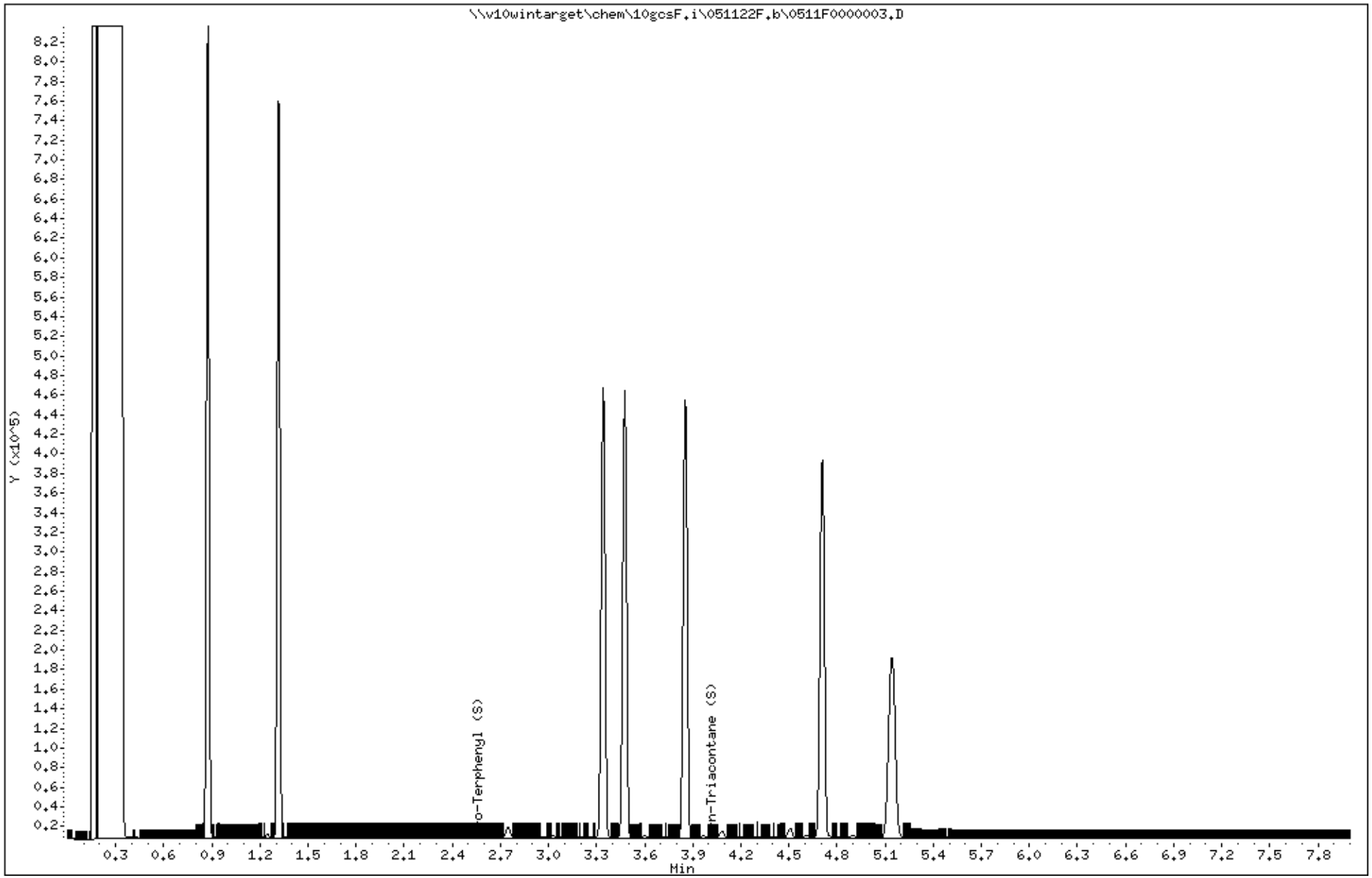
				CONCENTRATIONS ON-COL	FINAL	
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE
S 1 DRO by AK 102					CAS #:	
0.800	- 3.385		1959631	321.556	322	
$ 2 o-Terphenyl (S)					CAS #:	
2.565	2.566	-0.001	356	0.05850	0.0585	(R)
$ 3 n-Triacontane (S)					CAS #:	
4.023	4.025	-0.002	166	0.03413	0.0341	(R)
S 4 Residual Range Organics AK103					CAS #:	
3.386	- 4.800		1839761	544.678	545	
S 5 TPH-DRO (C10-C28)					CAS #:	
0.800	- 3.940		3141832	471.564	472	
S 6 Motor Oil Range (C24-C36)					CAS #:	
3.250	- 4.800		2418140	692.959	693	
S 7 C10-C36					CAS #:	
0.800	- 4.800		3799393	813.676	814	
S 8 Diesel Fuel Range					CAS #:	
1.240	- 3.440		1380903	257.922	258	
S 9 Diesel Fuel Range SG					CAS #:	
1.240	- 3.440		1380903	257.922	258	
S 10 Motor Oil Range					CAS #:	
3.441	- 5.260		2320387	567.183	567	
S 11 Motor Oil Range SG					CAS #:	
3.441	- 5.260		2320387	567.559	568	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000003.D
Date : 11-MAY-2022 13:45
Client ID: DMO-RTM,365036:2
Sample Info: DMO-RTM,365036:2

Instrument: 10gcsF.i
Operator: EB3
Column phase: DB-5-US21390001
Column diameter: 0.32



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10606565

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000003.D
Injection Date: 11-MAY-2022 13:45
Instrument: 10gcsF.i
Lab Sample ID: DMO-RTM,365036:2
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1839761	1839761
DRO by AK 102	1959631	1959631
TPH-DRO (C10-C28)	3141832	3141832
Motor Oil Range (C24-C36)	2418518	2418140
Diesel Fuel Range	1380445	1380903
Motor Oil Range	2324491	2320387
Diesel Fuel Range SG	1380445	1380903
Motor Oil Range SG	2324491	2320387
C10-C36	3799393	3799393
n-Triacontane (S)	166	166
o-Terphenyl (S)	356	356

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051222F.b\0512F0000003.D
Lab Smp Id: DMO-RTM,365036:2 Client Smp ID: DMO-RTM,365036:2
Inj Date : 12-MAY-2022 14:22
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-rtm,365036:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051222F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:21 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

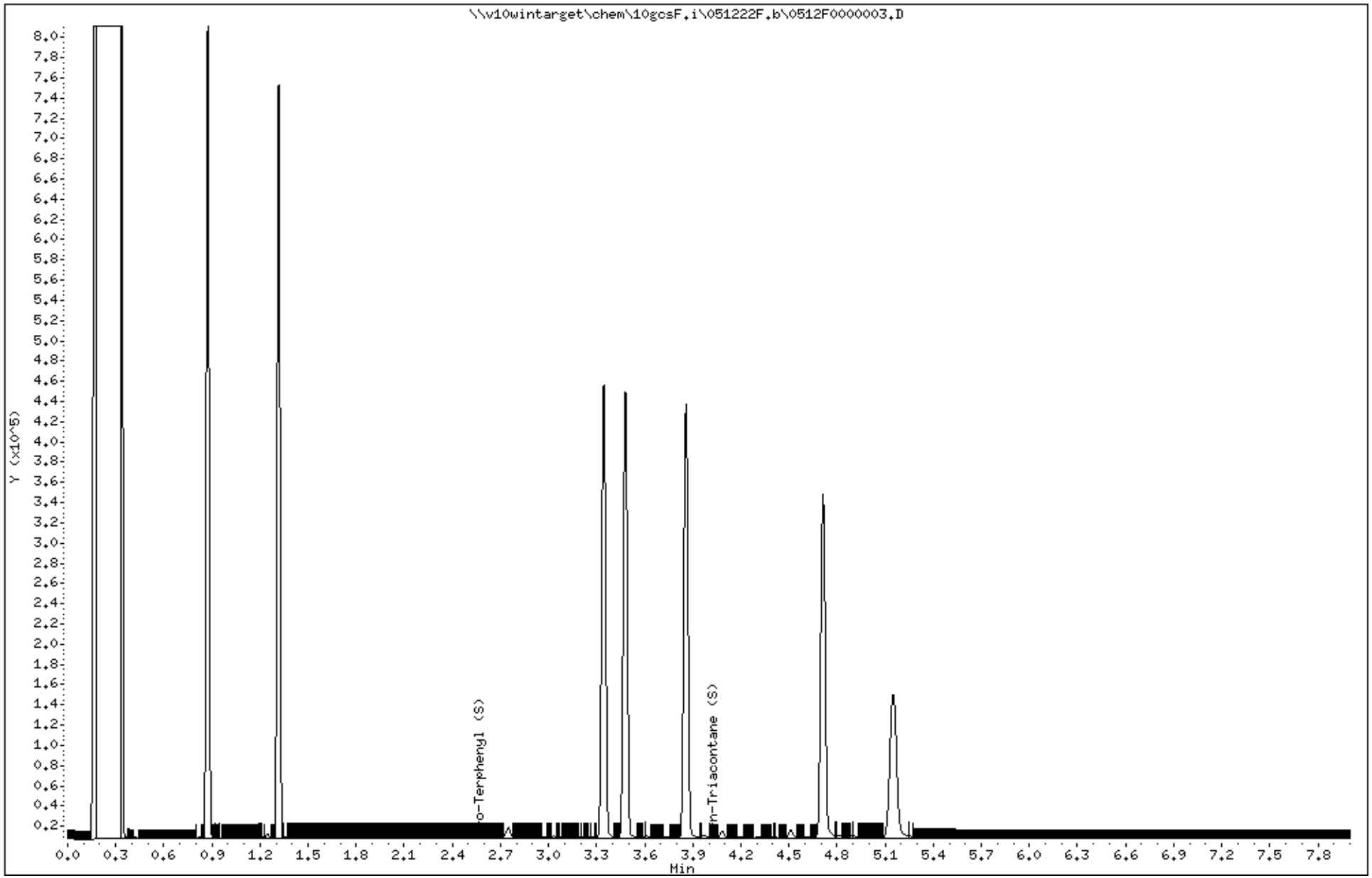
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/mL)	REVIEW CODE	
S 1 DRO by AK 102						CAS #:	
0.800	- 3.385		1915919	313.119	313		
$ 2 o-Terphenyl (S)						CAS #:	
2.570	2.569	0.001	241	0.03960	0.0396		(R)
$ 3 n-Triacontane (S)						CAS #:	
4.028	4.029	-0.001	264	0.05429	0.0543		(R)
S 4 Residual Range Organics AK103						CAS #:	
3.386	- 4.820		1746689	515.644	516		
S 5 TPH-DRO (C10-C28)						CAS #:	
0.800	- 3.940		3075387	460.435	460		
S 6 Motor Oil Range (C24-C36)						CAS #:	
3.240	- 4.820		2316867	662.616	663		
S 7 C10-C36						CAS #:	
0.800	- 4.820		3662608	781.057	781		
S 8 Diesel Fuel Range						CAS #:	
1.240	- 3.440		1344314	249.475	249		
S 9 Diesel Fuel Range SG						CAS #:	
1.240	- 3.440		1344314	249.475	249		
S 10 Motor Oil Range						CAS #:	
3.441	- 5.260		2137411	520.133	520		
S 11 Motor Oil Range SG						CAS #:	
3.441	- 5.260		2137411	520.517	520		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\v10wintarget\chem\10gcsF.i\051222F.b\0512F0000003.D
Date : 12-MAY-2022 14:22
Client ID: DMO-RTM,365036:2
Sample Info: DMO-RTM,365036:2

Instrument: 10gcsF.i
Operator: EB3
Column phase: DB-5-US21390001
Column diameter: 0.32



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205 of 723
10606565

Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000003.D
Injection Date: 12-MAY-2022 14:22
Instrument: 10gcsF.i
Lab Sample ID: DMO-RTM,365036:2
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1746689	1746689
DRO by AK 102	1915919	1915919
TPH-DRO (C10-C28)	3075387	3075387
Motor Oil Range (C24-C36)	2316867	2316867
Diesel Fuel Range	1344314	1344314
Motor Oil Range	2137411	2137411
Diesel Fuel Range SG	1344314	1344314
Motor Oil Range SG	2137411	2137411
C10-C36	3662608	3662608
n-Triacontane (S)	264	264
o-Terphenyl (S)	241	241

SAMPLE NO.

29929189ICV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Calibration Date: 05/09/2022 Time: 17:27

Instrument ID: 10GCSF GC Column: FID Init. Calib. Date(s): 05/09/2022 05/09/2022

Lab File ID: 050922F.B\0509F0000035.D Init. Calib. Time(s): 15:19 17:04

SDG No.: 10606565

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	521.2485	0.0100	4.2497	15.0000
Motor Oil Range	Linear	500	509.6966	0.0100	1.9393	15.0000
n-Triacontane (S)	Averaged	4863.151	4934.100	0.0100	1.4589	15.0000
o-Terphenyl (S)	Averaged	6085.641	5925.220	0.0100	-2.6361	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

30016727CCV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Calibration Date: 05/12/2022 Time: 00:52

Instrument ID: 10GCSF GC Column: FID Init. Calib. Date(s): 05/09/2022 05/09/2022

Lab File ID: 051122F.B\0511F0000062.D Init. Calib. Time(s): 15:19 17:04

SDG No.: 10606565

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	524.2544	0.0100	4.8509	15.0000
Motor Oil Range	Linear	500	500.8238	0.0100	0.1648	15.0000
n-Triacontane (S)	Averaged	4863.151	4894.220	0.0100	0.6389	15.0000
o-Terphenyl (S)	Averaged	6085.641	6025.460	0.0100	-0.9889	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

30016743CCV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Calibration Date: 05/12/2022 Time: 03:31

Instrument ID: 10GCSF GC Column: FID Init. Calib. Date(s): 05/09/2022 05/09/2022

Lab File ID: 051122F.B\0511F0000076.D Init. Calib. Time(s): 15:19 17:04

SDG No.: 10606565

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	531.7828	0.0100	6.3566	15.0000
Motor Oil Range	Linear	500	501.2481	0.0100	0.2496	15.0000
n-Triacontane (S)	Averaged	4863.151	4986.700	0.0100	2.5405	15.0000
o-Terphenyl (S)	Averaged	6085.641	6122.760	0.0100	0.6099	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

30016935CCV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Calibration Date: 05/12/2022 Time: 22:23

Instrument ID: 10GCSF GC Column: FID Init. Calib. Date(s): 05/09/2022 05/09/2022

Lab File ID: 051222F.B\0512F0000045.D Init. Calib. Time(s): 15:19 17:04

SDG No.: 10606565

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	526.7248	0.0100	5.3450	15.0000
Motor Oil Range	Linear	500	482.5470	0.0100	-3.4906	15.0000
n-Triacontane (S)	Averaged	4863.151	4921.540	0.0100	1.2006	15.0000
o-Terphenyl (S)	Averaged	6085.641	6042.720	0.0100	-0.7053	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

30016934CCV

GC-FID DRO - FORM VII SVOA-1
GC-FID DRO CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Minnesota Calibration Date: 05/12/2022 Time: 23:30

Instrument ID: 10GCSF GC Column: FID Init. Calib. Date(s): 05/09/2022 05/09/2022

Lab File ID: 051222F.B\0512F0000051.D Init. Calib. Time(s): 15:19 17:04

SDG No.: 10606565

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Diesel Fuel Range	Linear	500	527.1672	0.0100	5.4334	15.0000
Motor Oil Range	Linear	500	514.5447	0.0100	2.9090	15.0000
n-Triacontane (S)	Averaged	4863.151	5027.720	0.0100	3.3840	15.0000
o-Terphenyl (S)	Averaged	6085.641	6048.340	0.0100	-0.6130	15.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000035.D
Lab Smp Id: DMO-ICV,365117:2 Client Smp ID: DMO-ICV,365117:2
Inj Date : 09-MAY-2022 17:27
Operator : TT2 Inst ID: 10gcsF.i
Smp Info : dmo-icv,365117:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\050922F.b\GCSFakNW8015-050922_3928
Meth Date : 10-May-2022 06:35 tthao Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 13 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10SVOA-TT

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.380		2988000	500.000	520	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.565	2.565	0.000	296261	50.0000	48.7	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.017	4.017	0.000	246705	50.0000	50.7	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.381	- 4.820		1737328	500.000	513	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.950		3425790	500.000	519	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		1817086	500.000	513	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		4725328	1000.00	1030	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.430		2521516	500.000	521	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.430		2521516	500.000	521	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.431	- 5.330		2096826	500.000	510	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.431	- 5.330		2096826	500.000	510	(M)	RNG

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

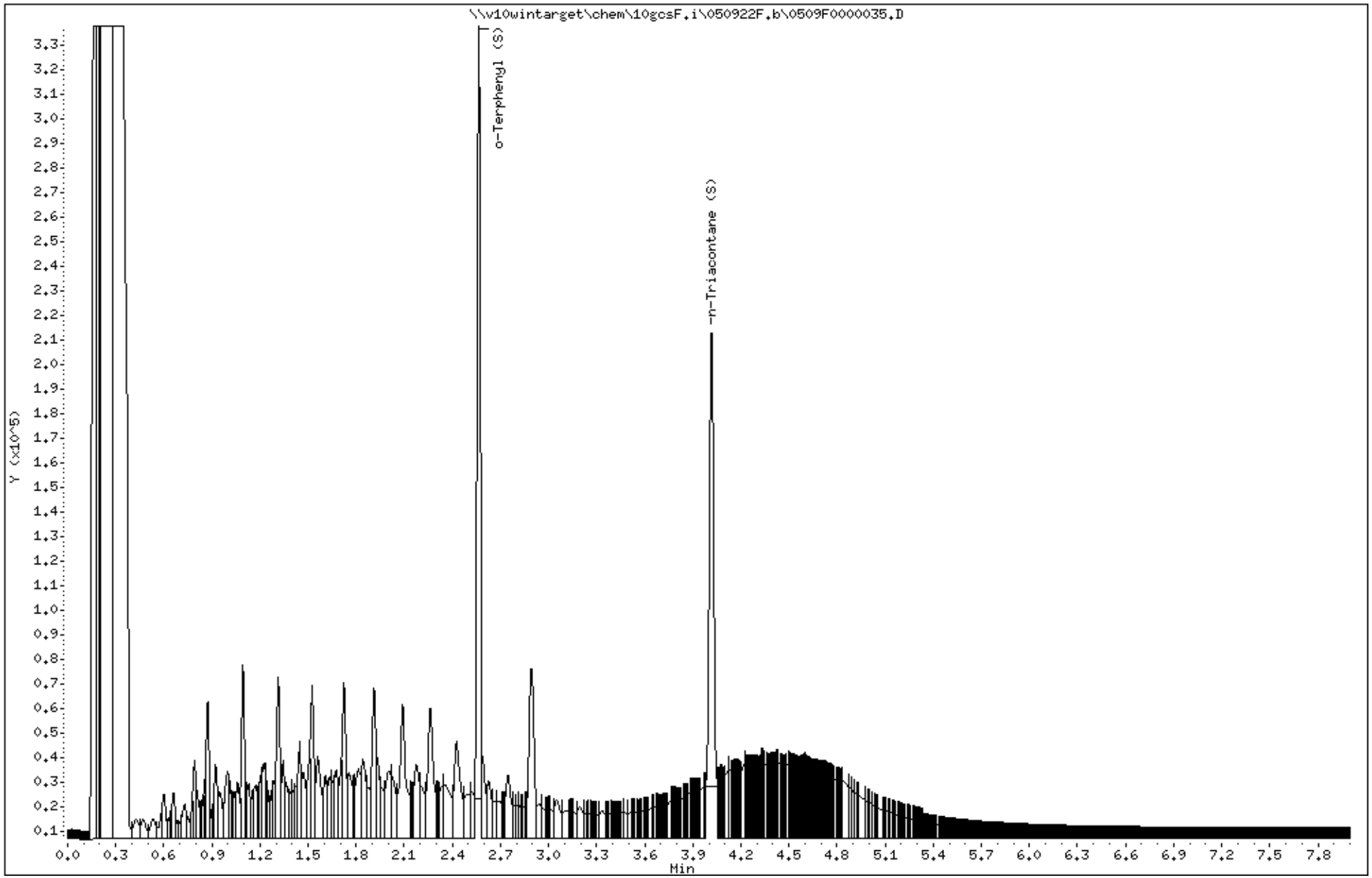
RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\050922F.b\0509F0000035.D
Date : 09-MAY-2022 17:27
Client ID: DMO-ICV,365117:2
Sample Info: DMO-ICV,365117:2

Column phase: DB-5-US21390001

Instrument: 10gcsF.i

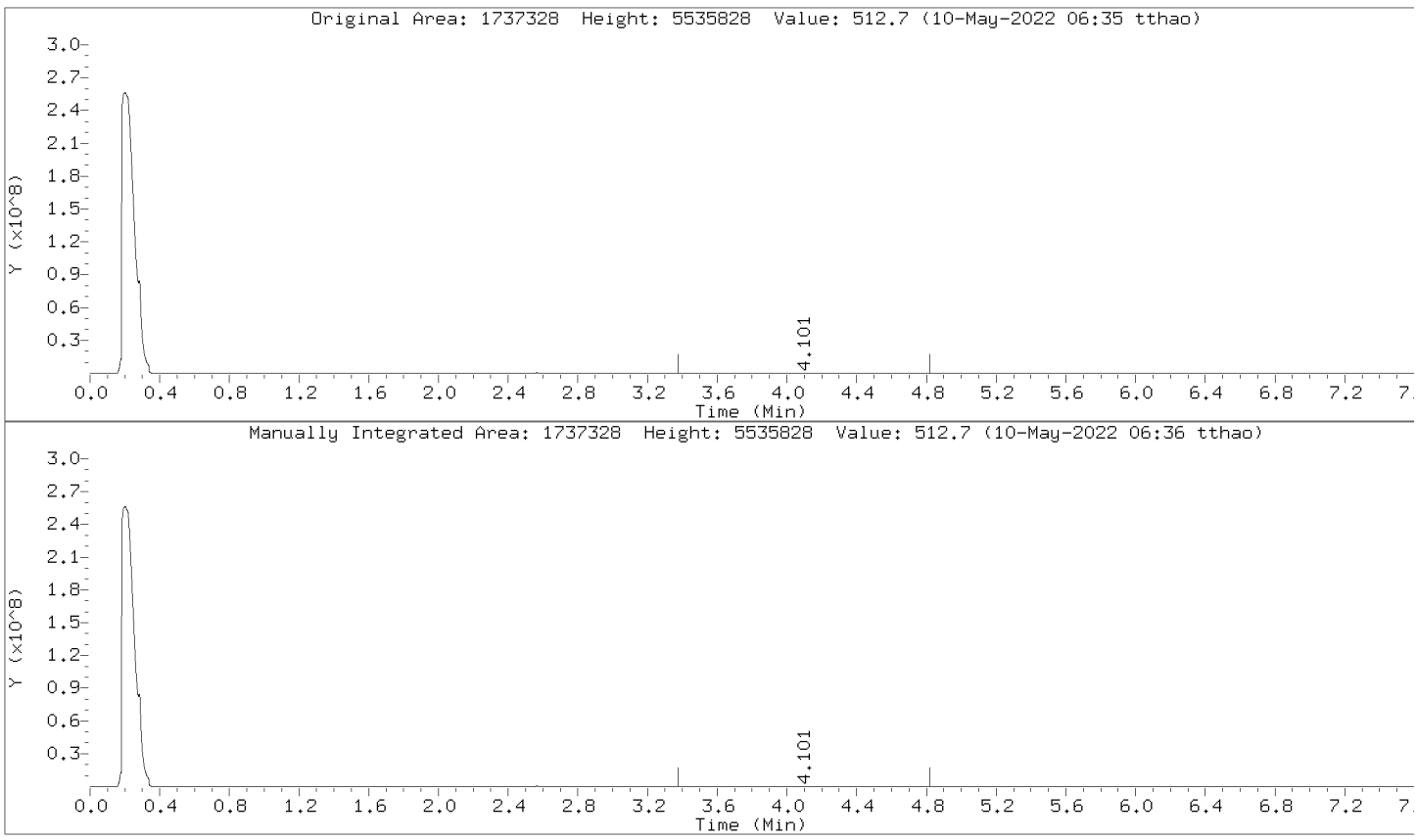
Operator: TT2
Column diameter: 0.32



301 of 1506
214 of 723
10606565

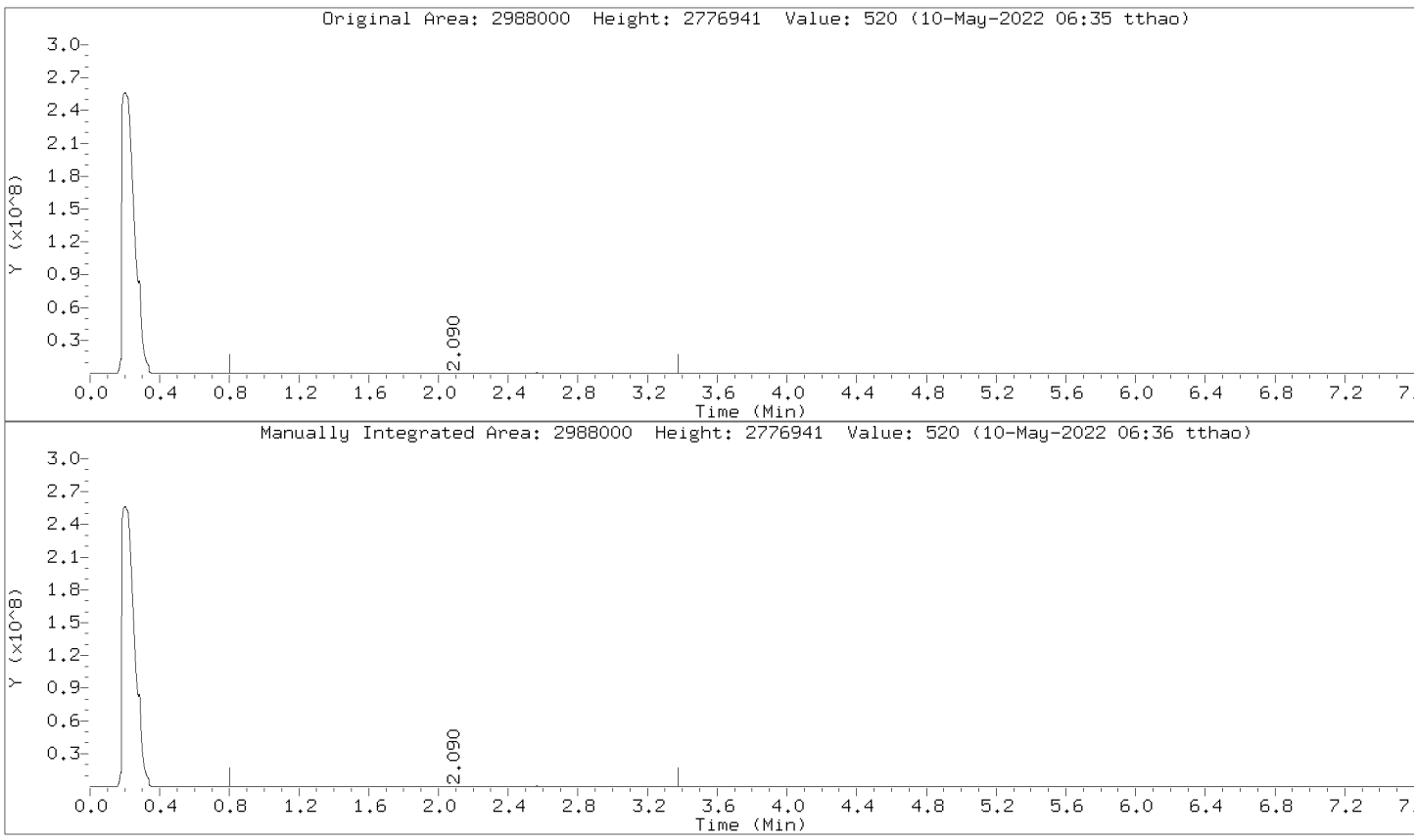
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



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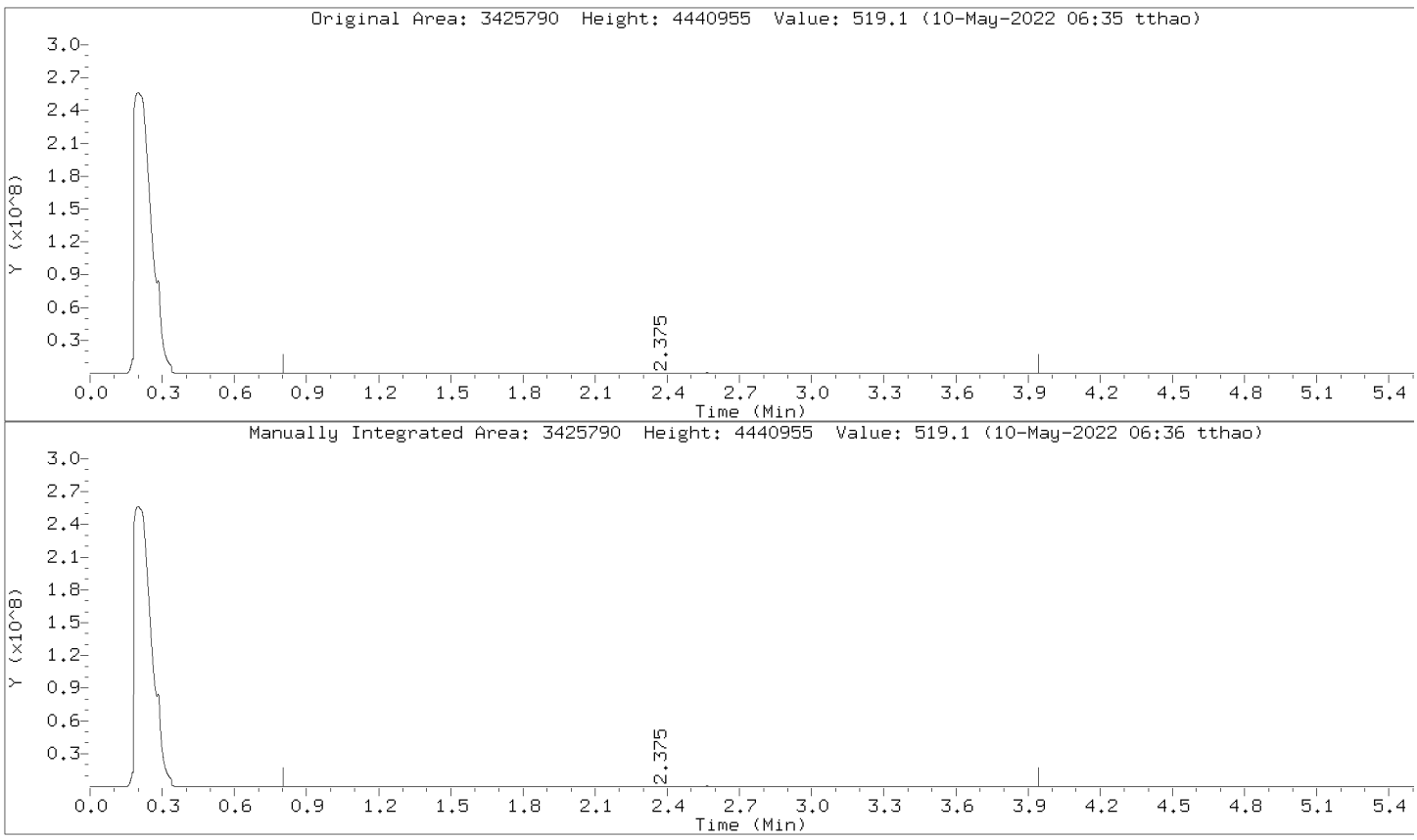
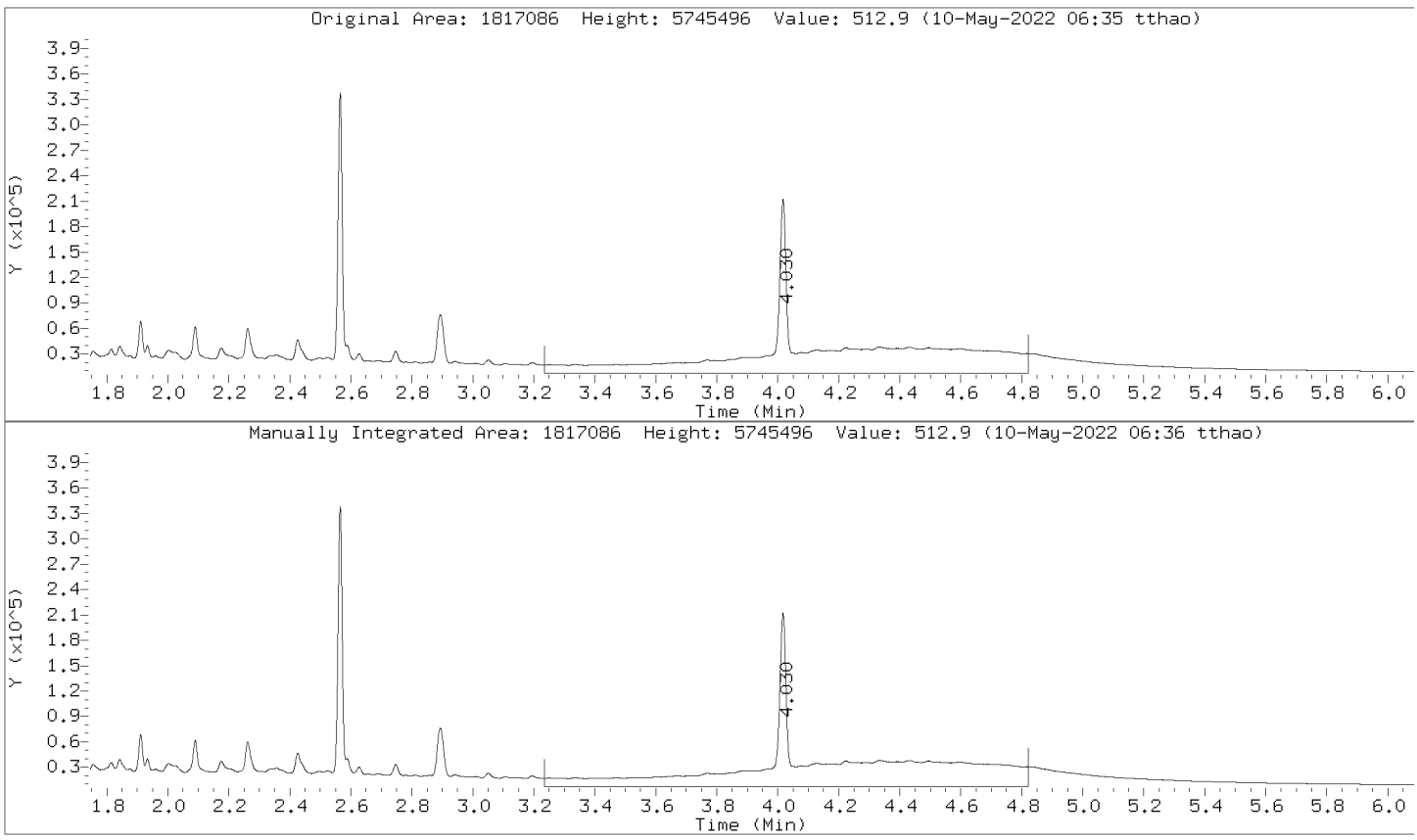
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



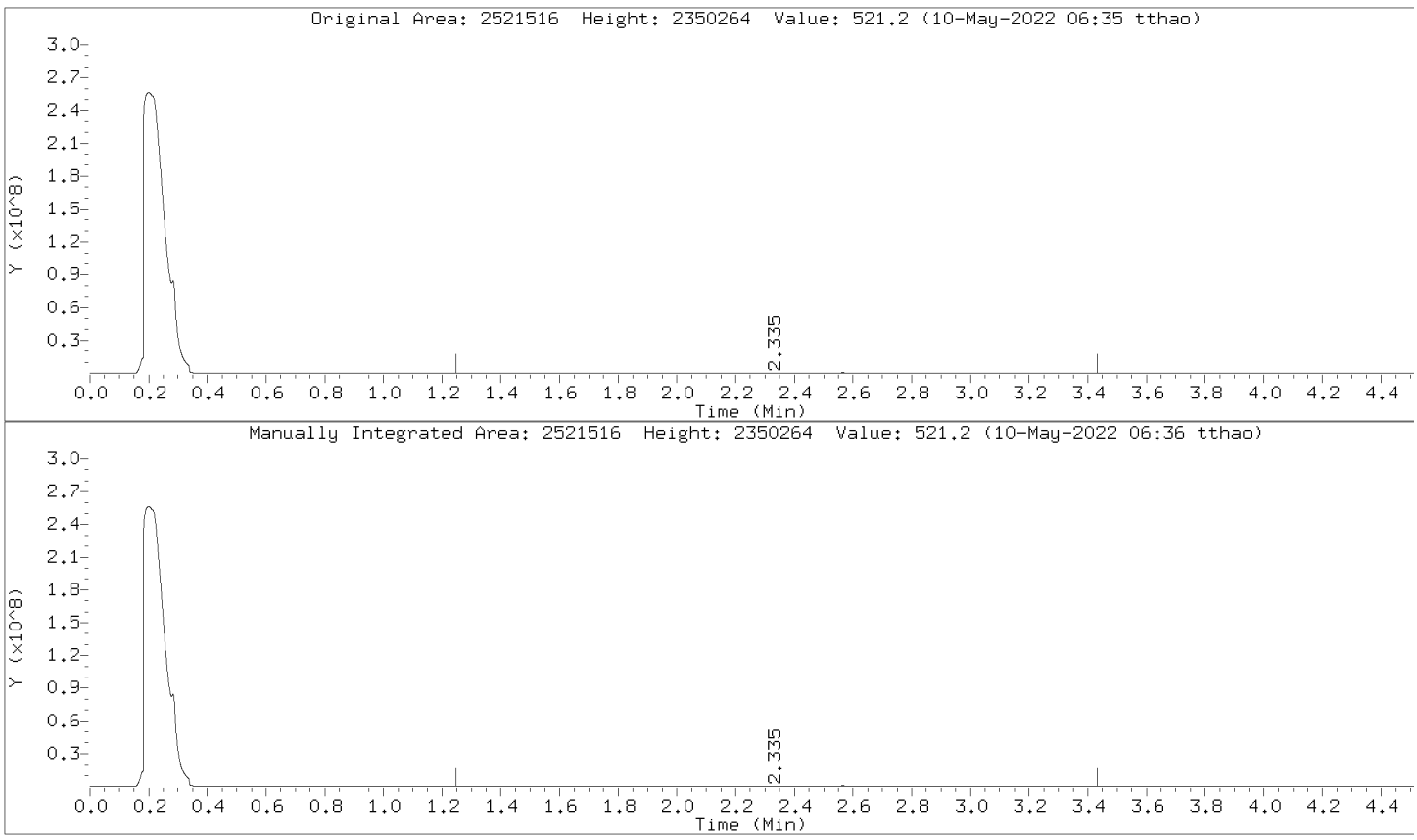
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



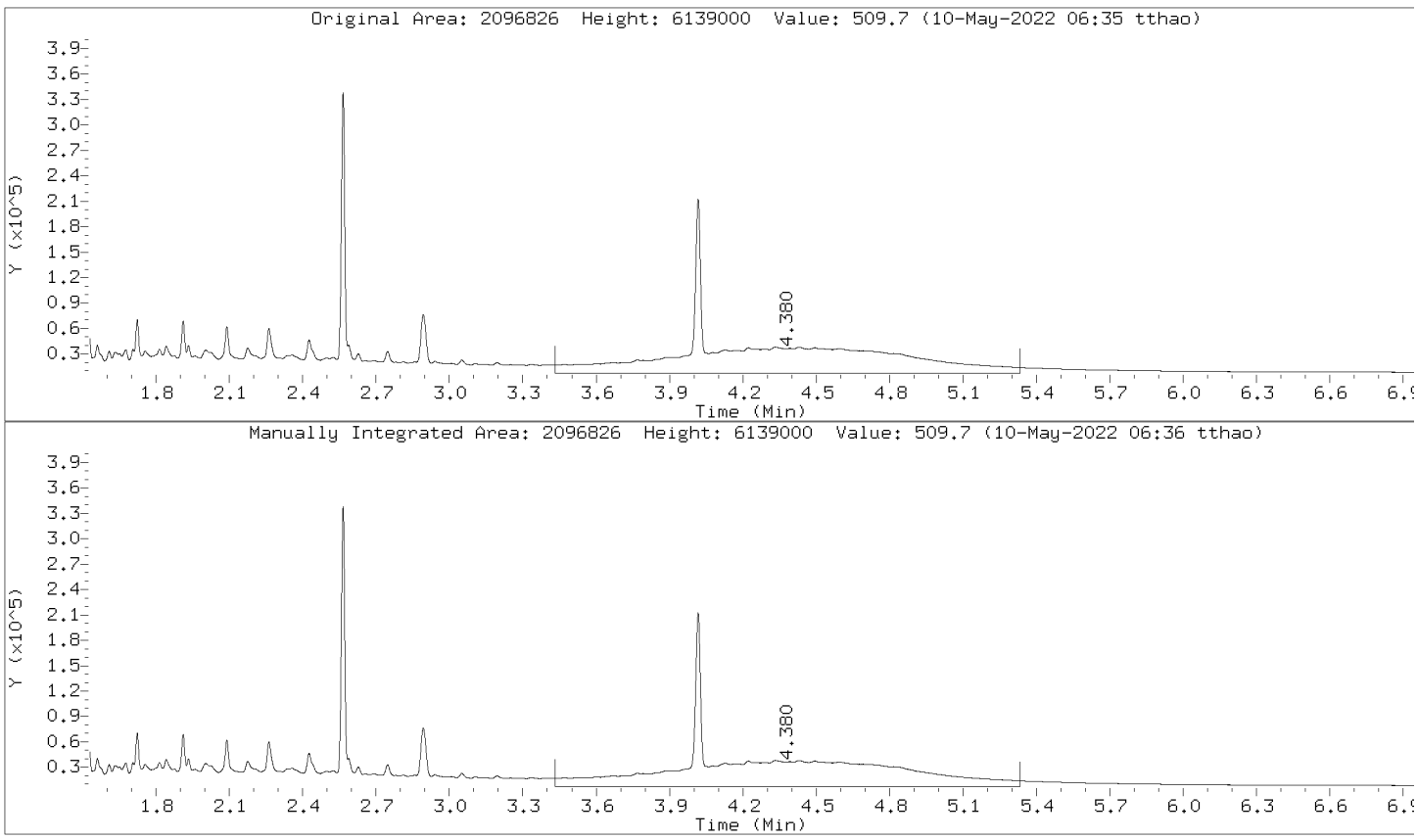
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



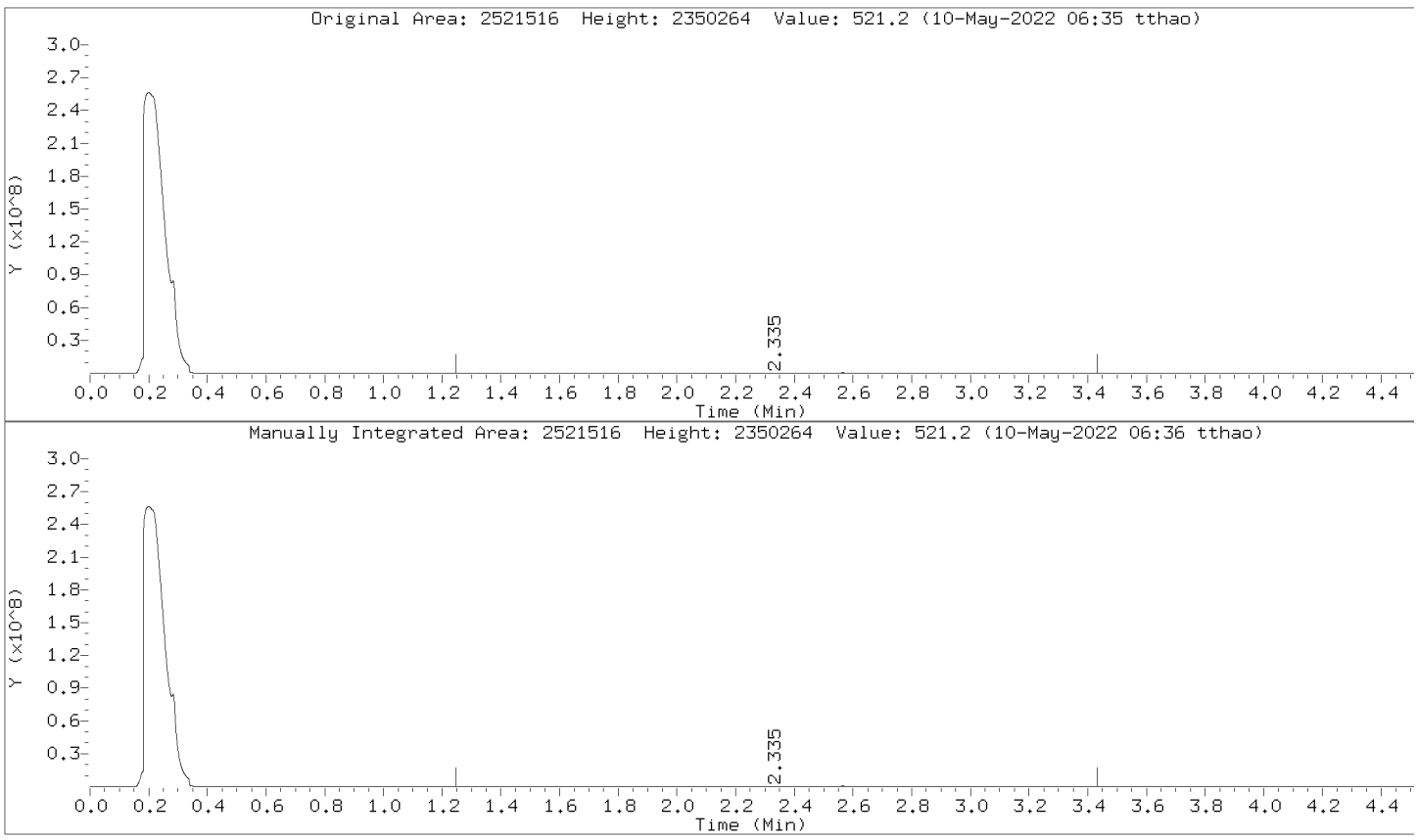
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



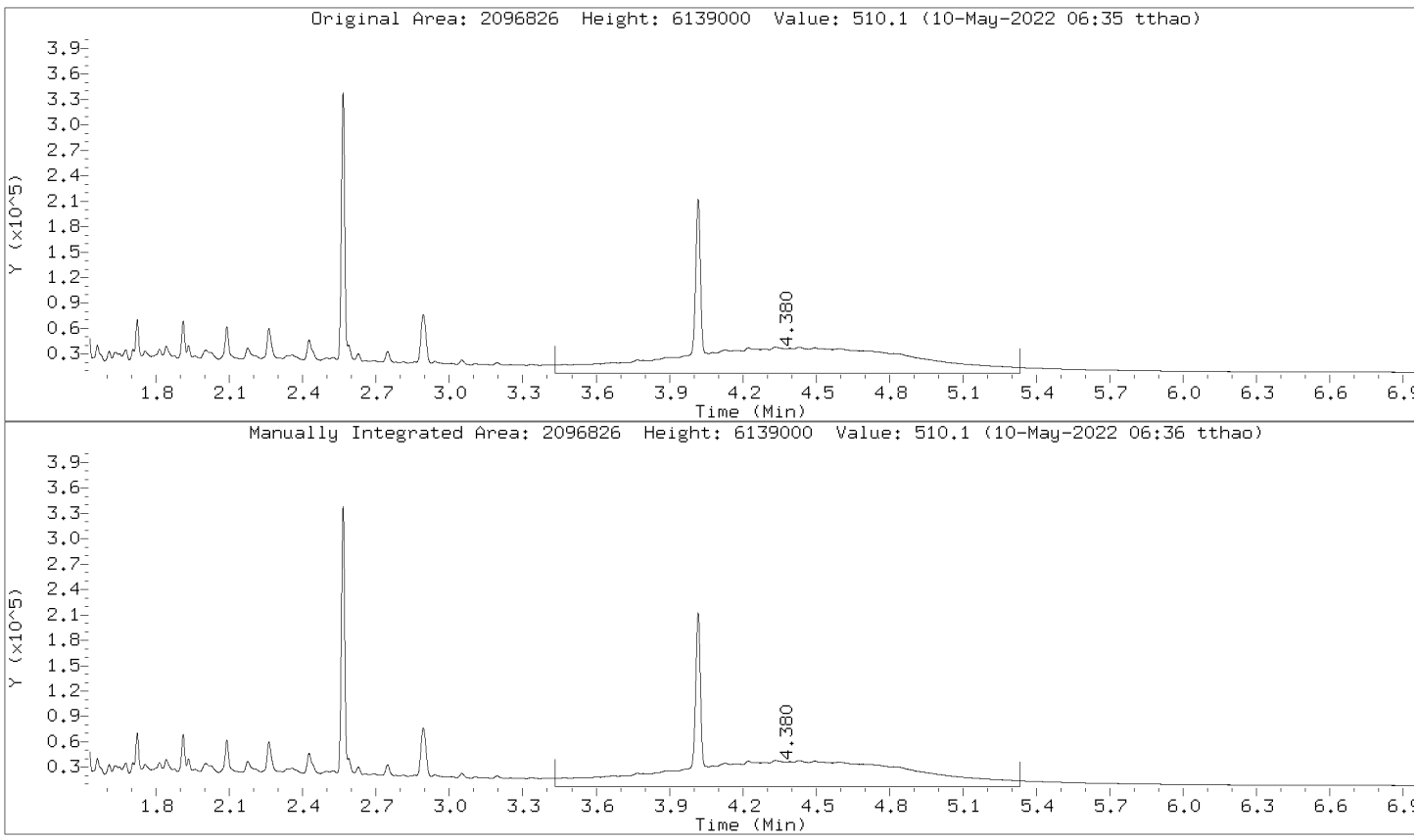
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



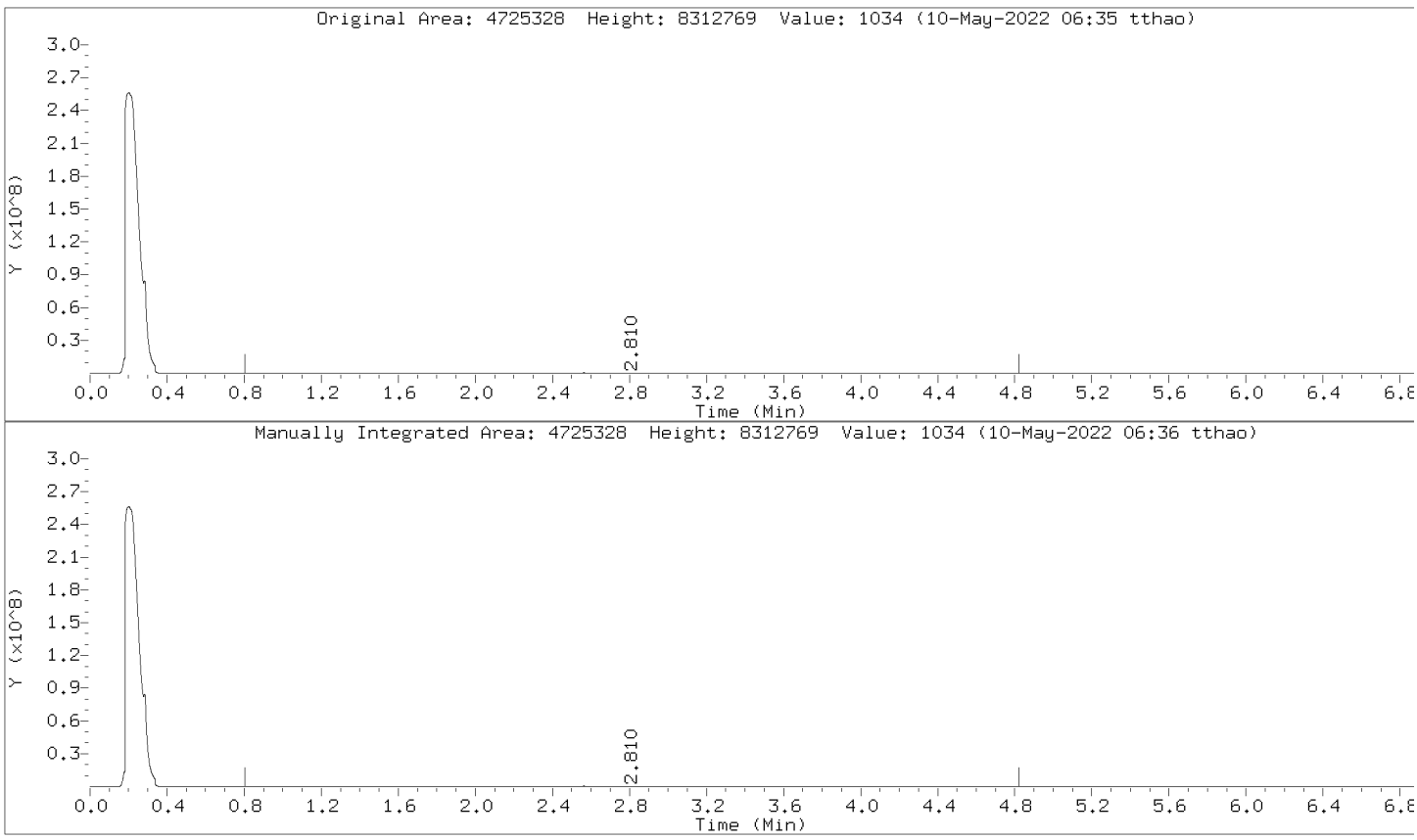
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



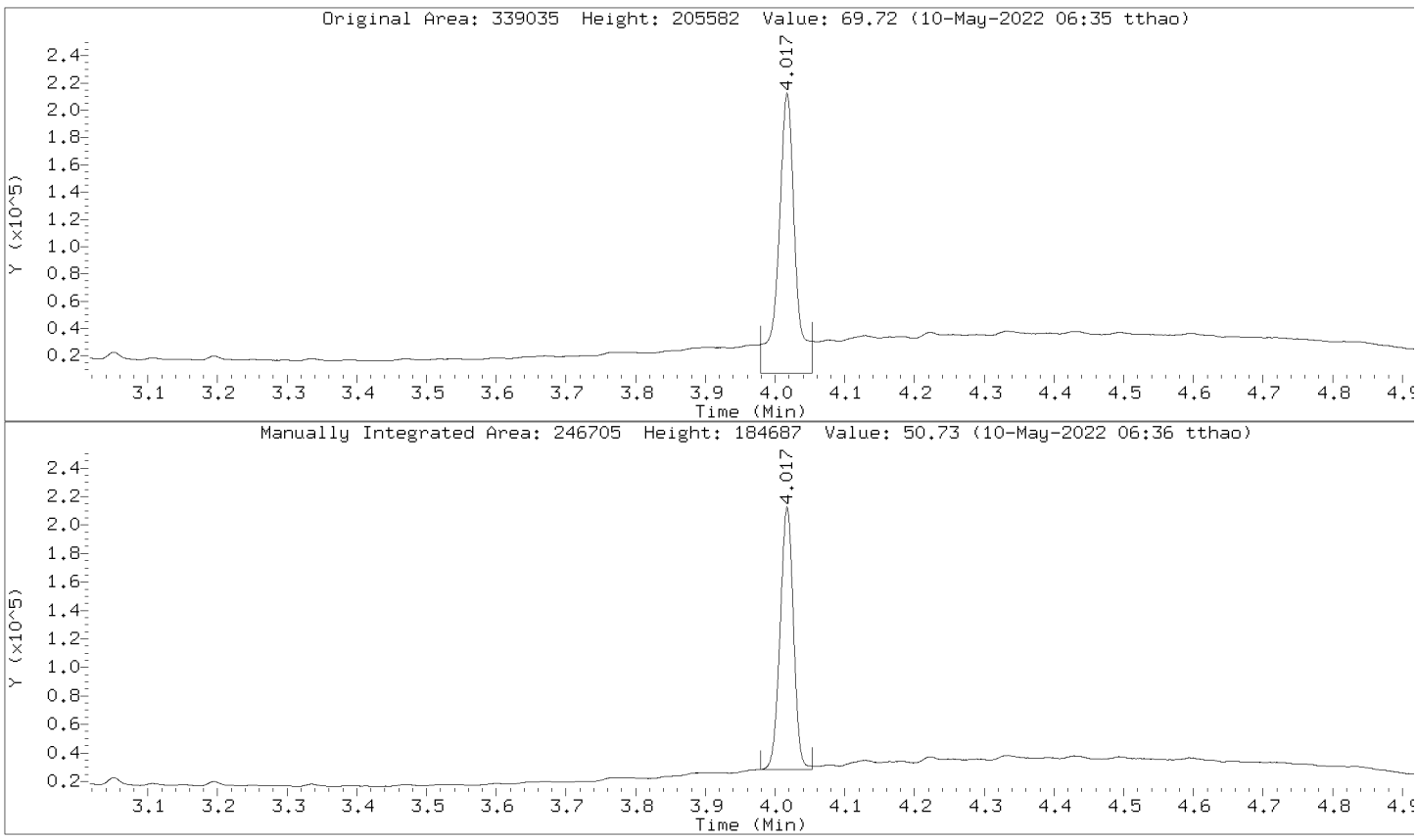
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: C10-C36 Review Code: RNG
CAS Number:



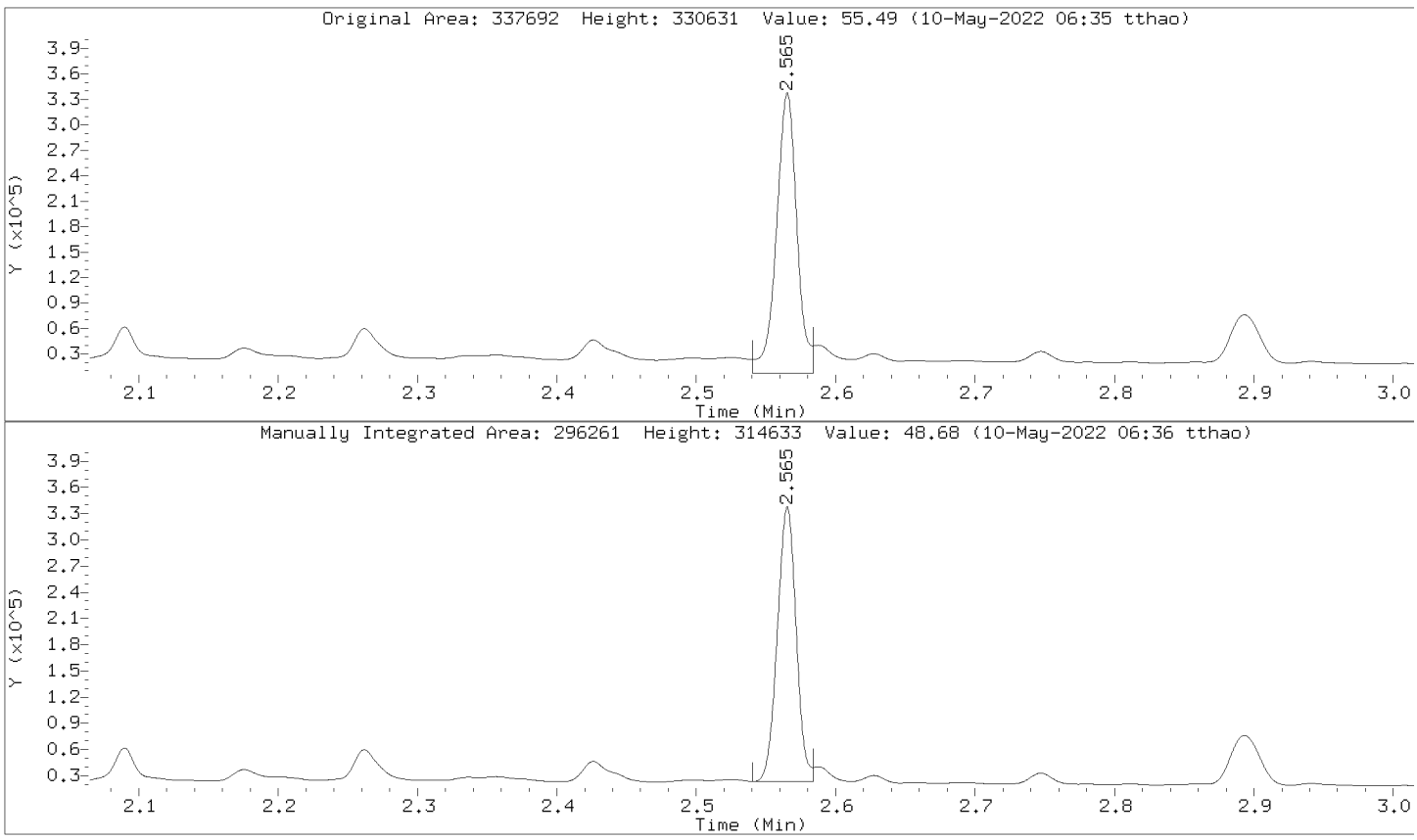
Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\050922F.b/0509F0000035.D
Injection Date: 09-MAY-2022 17:27
Instrument: 10gcsF.i
Lab Sample ID: DMO-ICV,365117:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1737328	1737328
DRO by AK 102	2988000	2988000
TPH-DRO (C10-C28)	3425790	3425790
Motor Oil Range (C24-C36)	1817086	1817086
Diesel Fuel Range	2521516	2521516
Motor Oil Range	2096826	2096826
Diesel Fuel Range SG	2521516	2521516
Motor Oil Range SG	2096826	2096826
C10-C36	4725328	4725328
n-Triacontane (S)	339035	246705
o-Terphenyl (S)	337692	296261

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000062.D
Lab Smp Id: DMO-CCV,363721:2 Client Smp ID: DMO-CCV,363721:2
Inj Date : 12-MAY-2022 00:52
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-ccv,363721:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

			AMOUNTS			
				CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE
S 1 DRO by AK 102					CAS #:	
0.800	- 3.385		2999923	500.000	522	(M) RNG
$ 2 o-Terphenyl (S)					CAS #:	
2.568	2.568	0.000	301273	50.0000	49.5	(M) BA
$ 3 n-Triacontane (S)					CAS #:	
4.027	4.028	-0.001	244711	50.0000	50.3	(M) BA
S 4 Residual Range Organics AK103					CAS #:	
3.386	- 4.800		1715460	500.000	506	(M) RNG
S 5 TPH-DRO (C10-C28)					CAS #:	
0.800	- 3.940		3434656	500.000	521	(M) RNG
S 6 Motor Oil Range (C24-C36)					CAS #:	
3.250	- 4.800		1795874	500.000	506	(M) RNG
S 7 C10-C36					CAS #:	
0.800	- 4.800		4715384	1000.00	1030	(M) RNG
S 8 Diesel Fuel Range					CAS #:	
1.240	- 3.440		2534536	500.000	524	(M) RNG
S 9 Diesel Fuel Range SG					CAS #:	
1.240	- 3.440		2534536	500.000	524	(M) RNG
S 10 Motor Oil Range					CAS #:	
3.441	- 5.260		2062320	500.000	501	(M) RNG
S 11 Motor Oil Range SG					CAS #:	
3.441	- 5.260		2062320	500.000	501	(M) RNG

QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

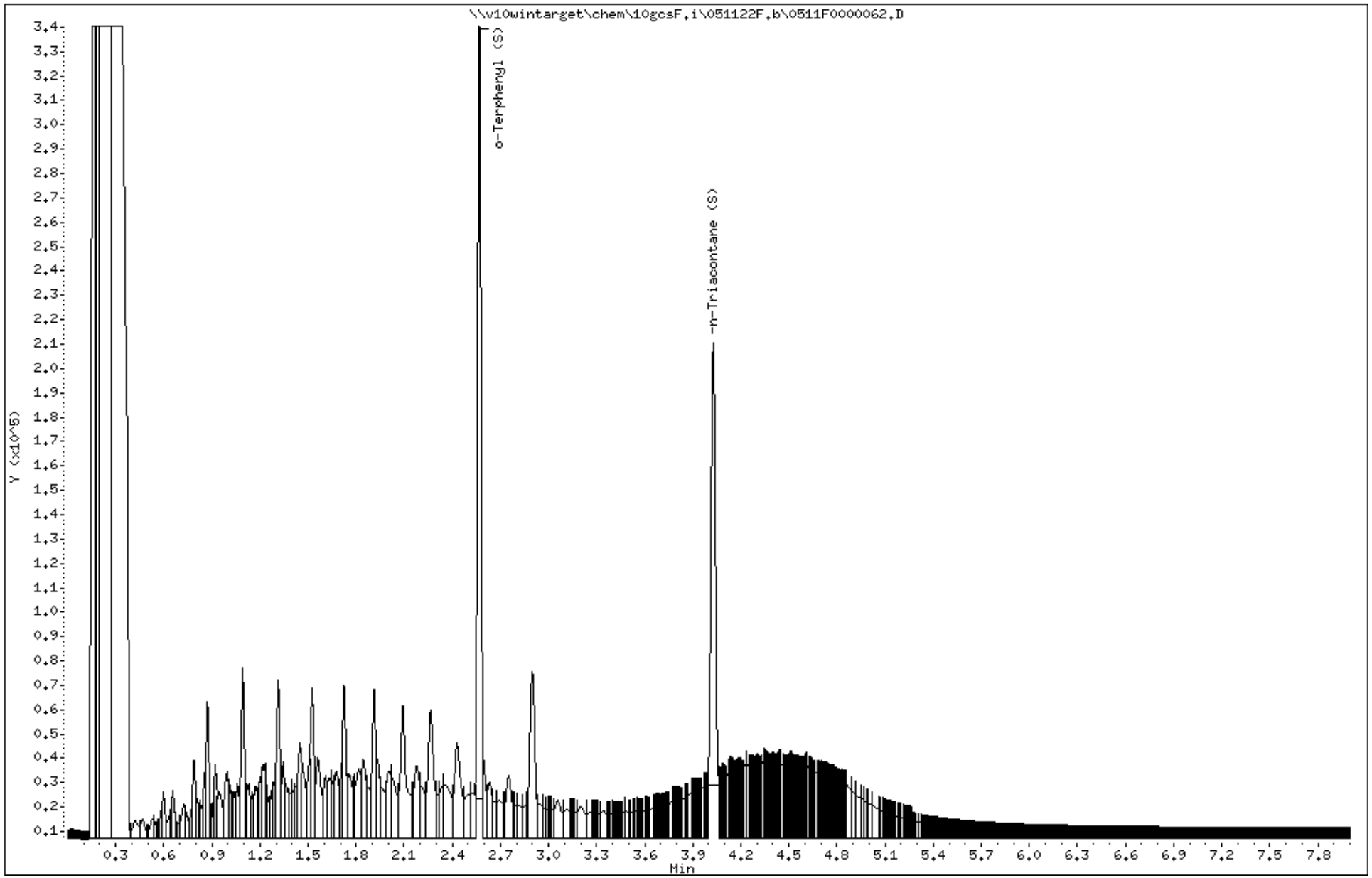
RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000062.D
Date : 12-MAY-2022 00:52
Client ID: DMO-CCV,363721:2
Sample Info: DMO-CCV,363721:2

Column phase: DB-5-US21390001

Instrument: 10gcsF.i

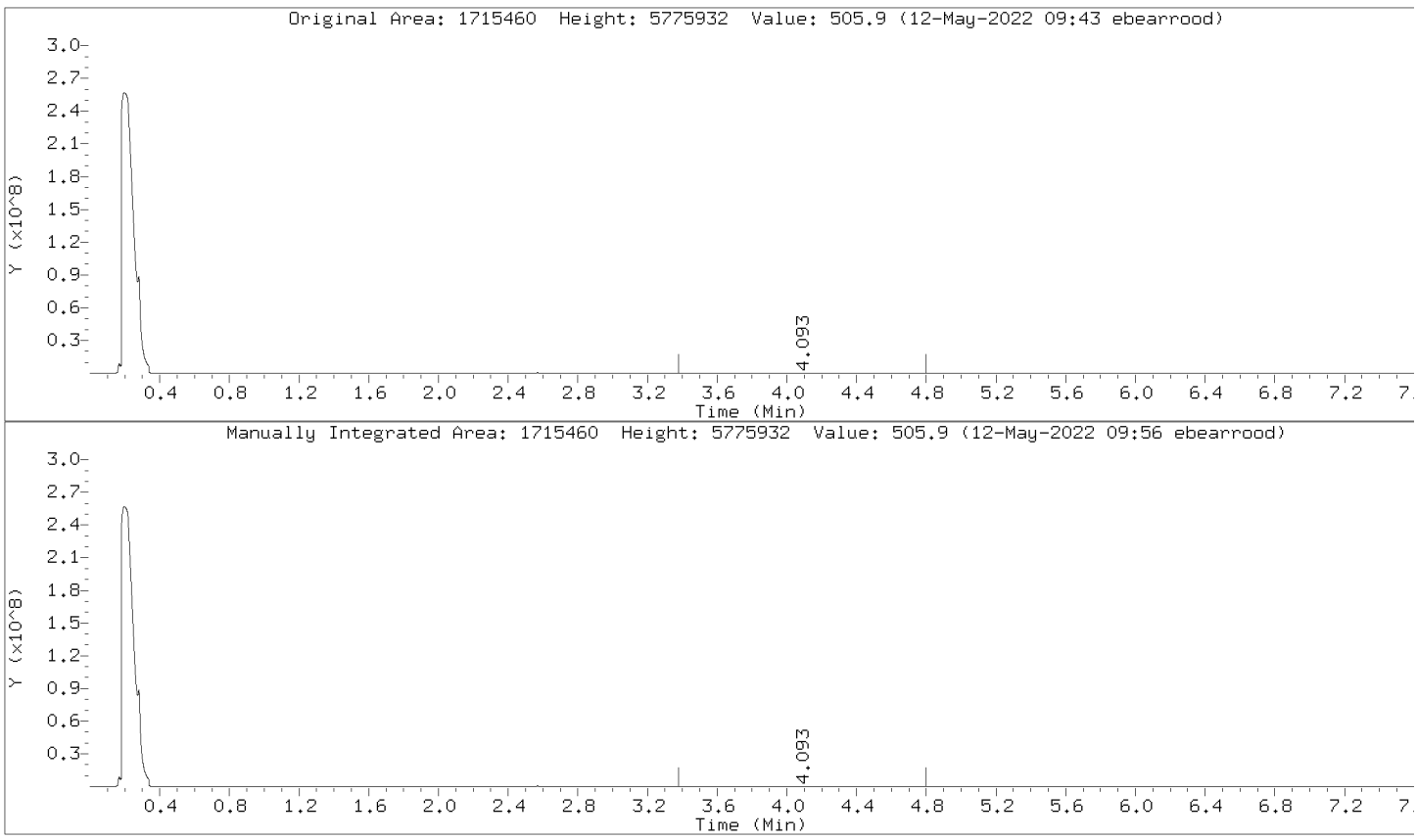
Operator: EB3
Column diameter: 0.32



315 of 1506
228 of 723
10606565

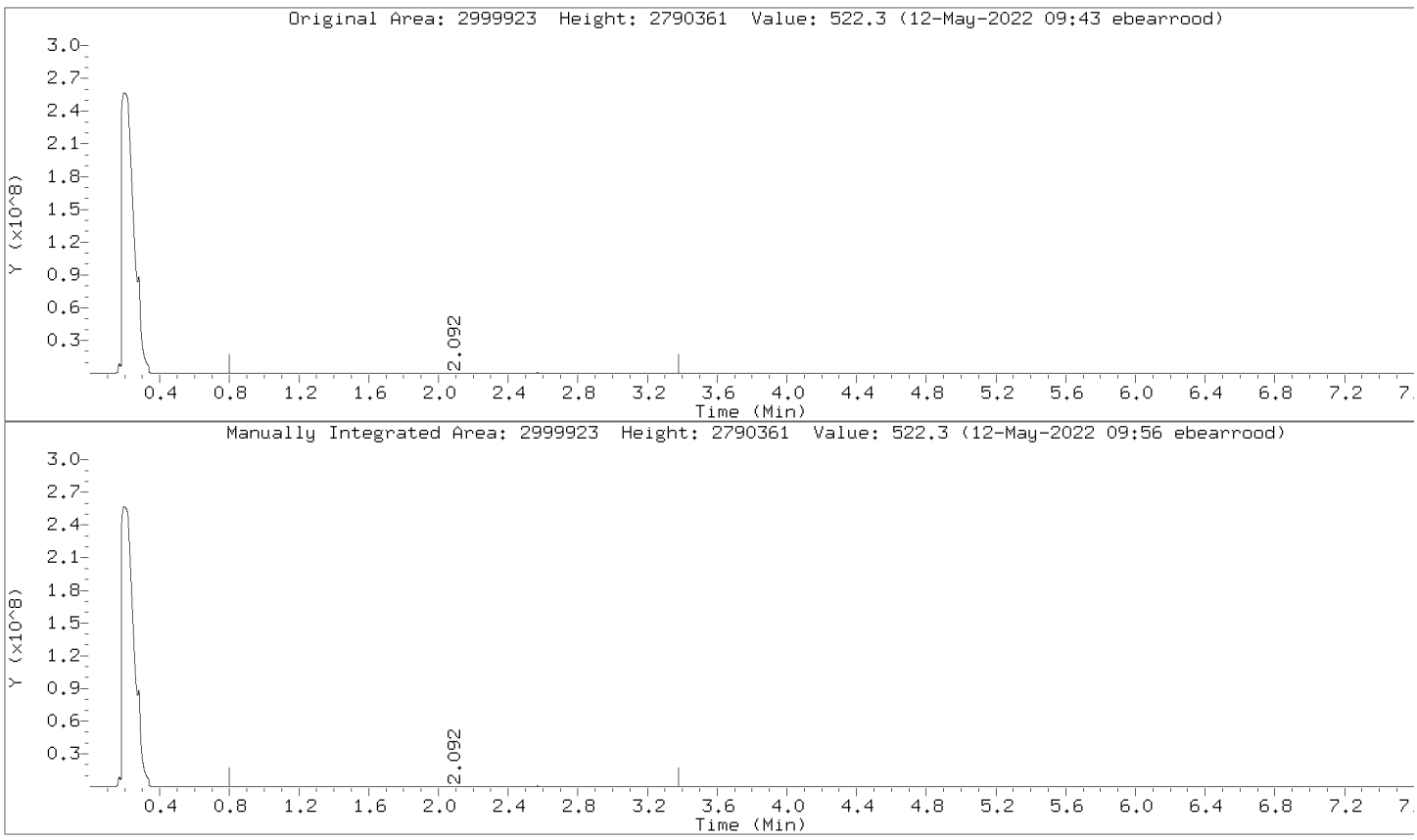
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000062.D
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



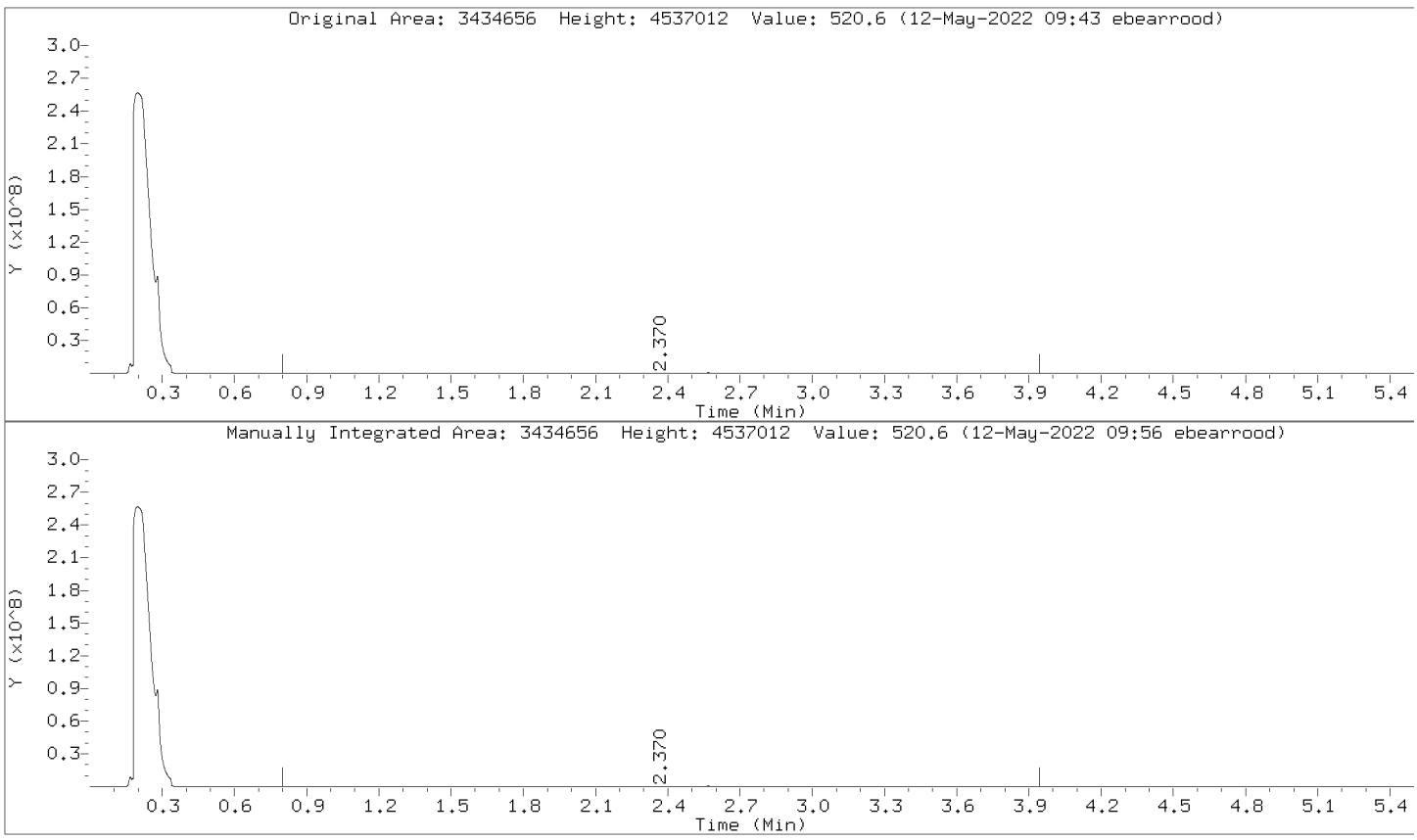
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000062.D
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



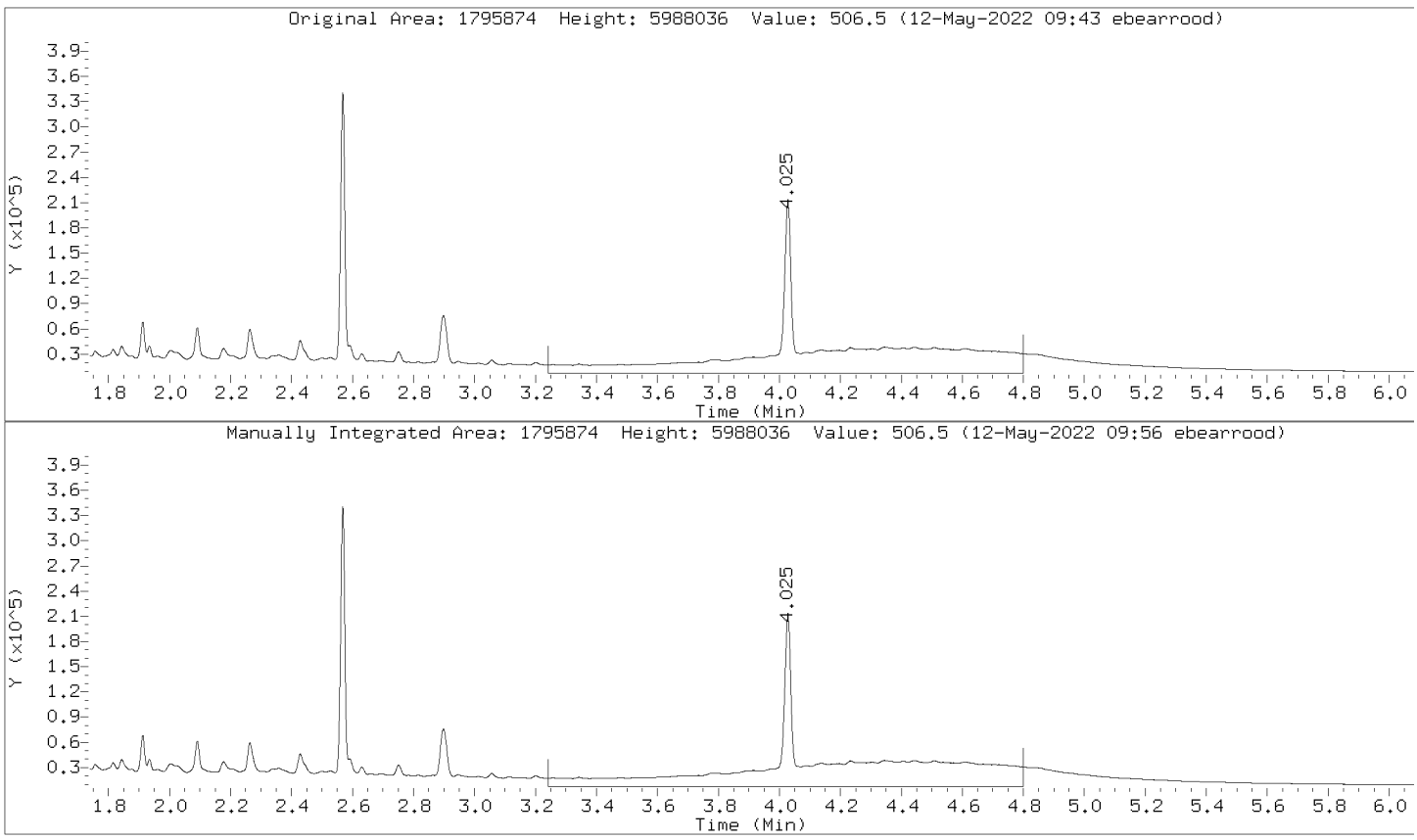
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000062.D
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



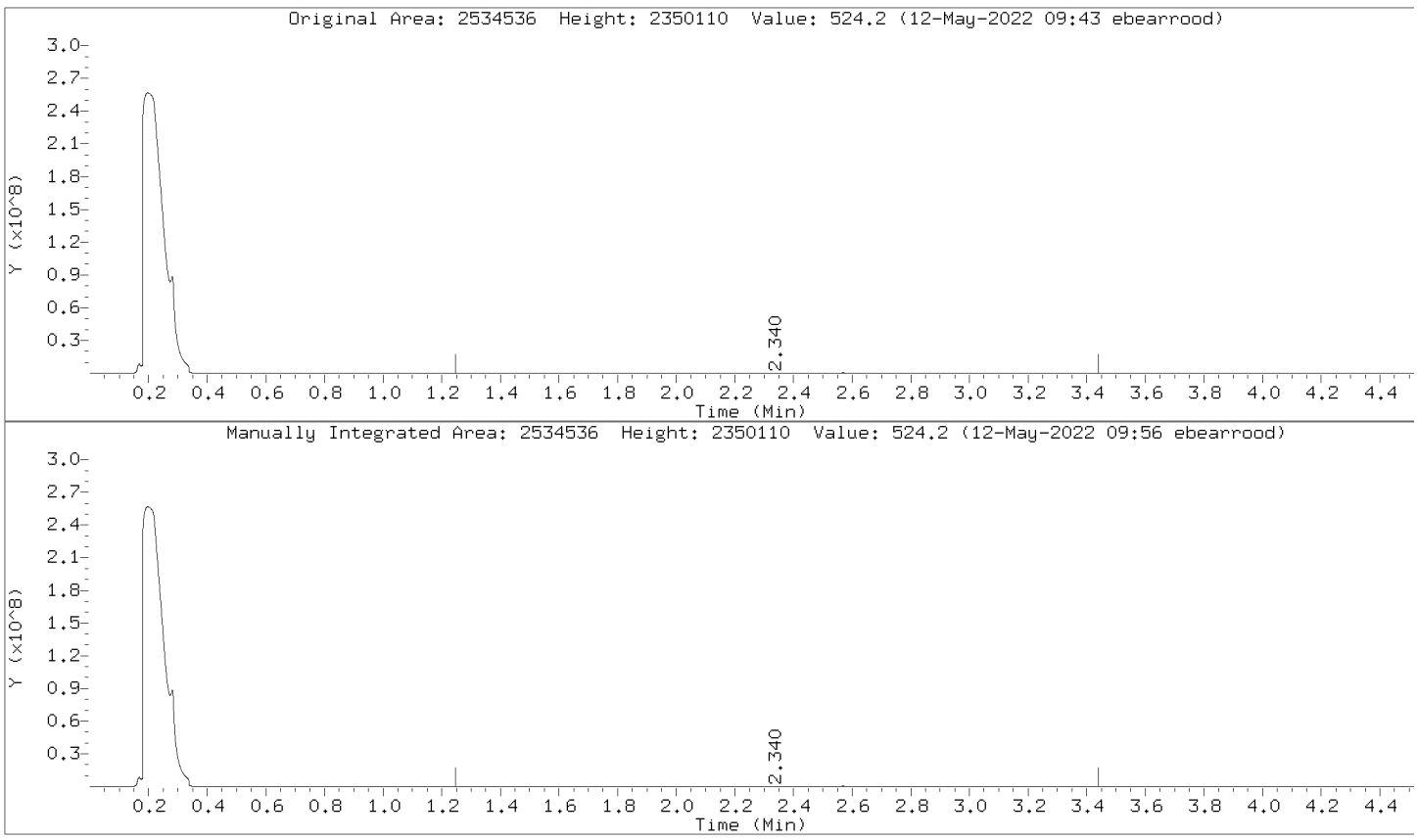
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000062.D
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



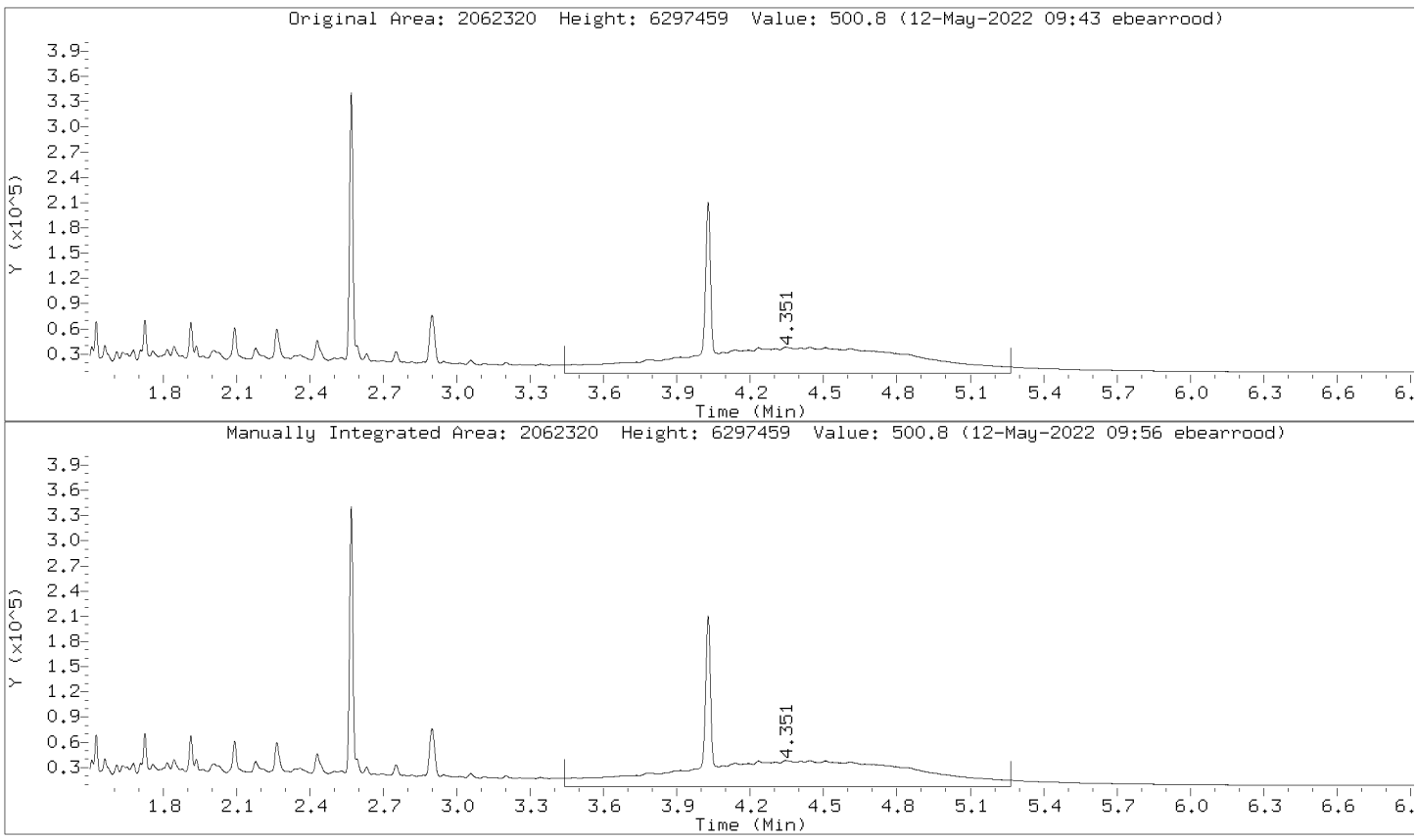
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000062.D
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



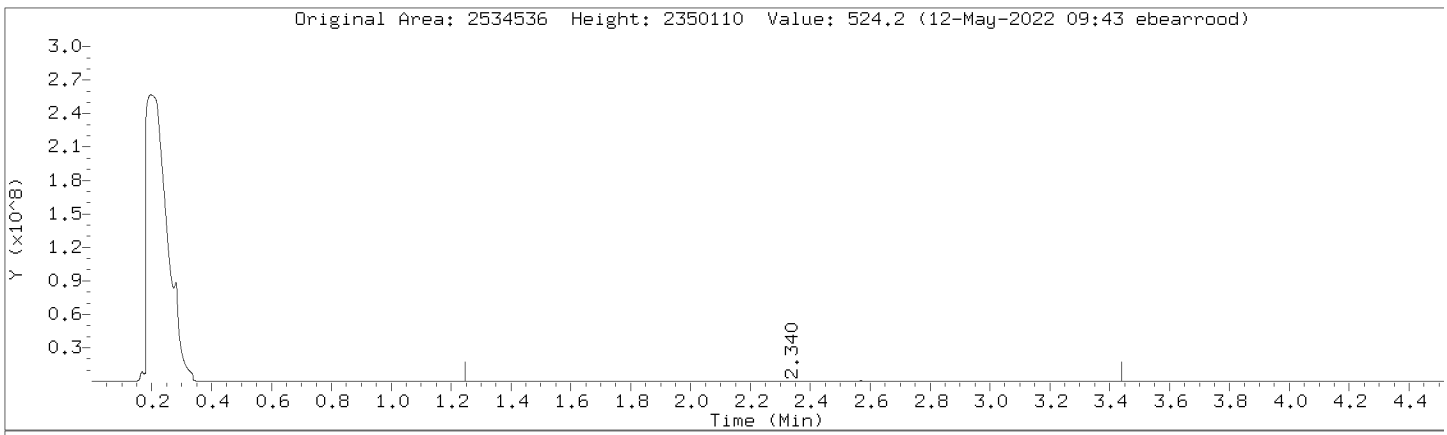
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000062.D
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

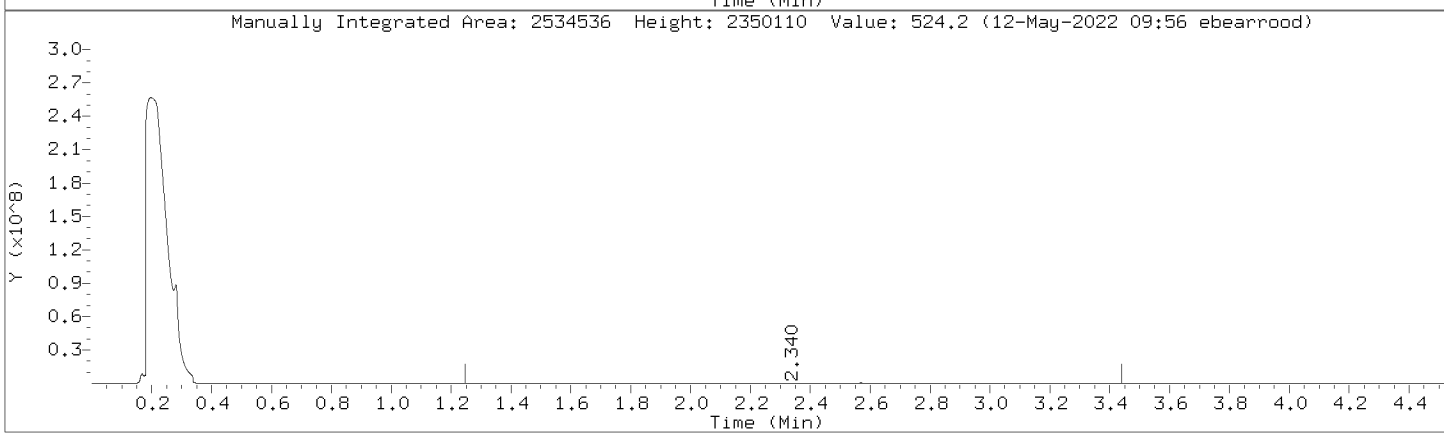
Compound: Motor Oil Range Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000062.D
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

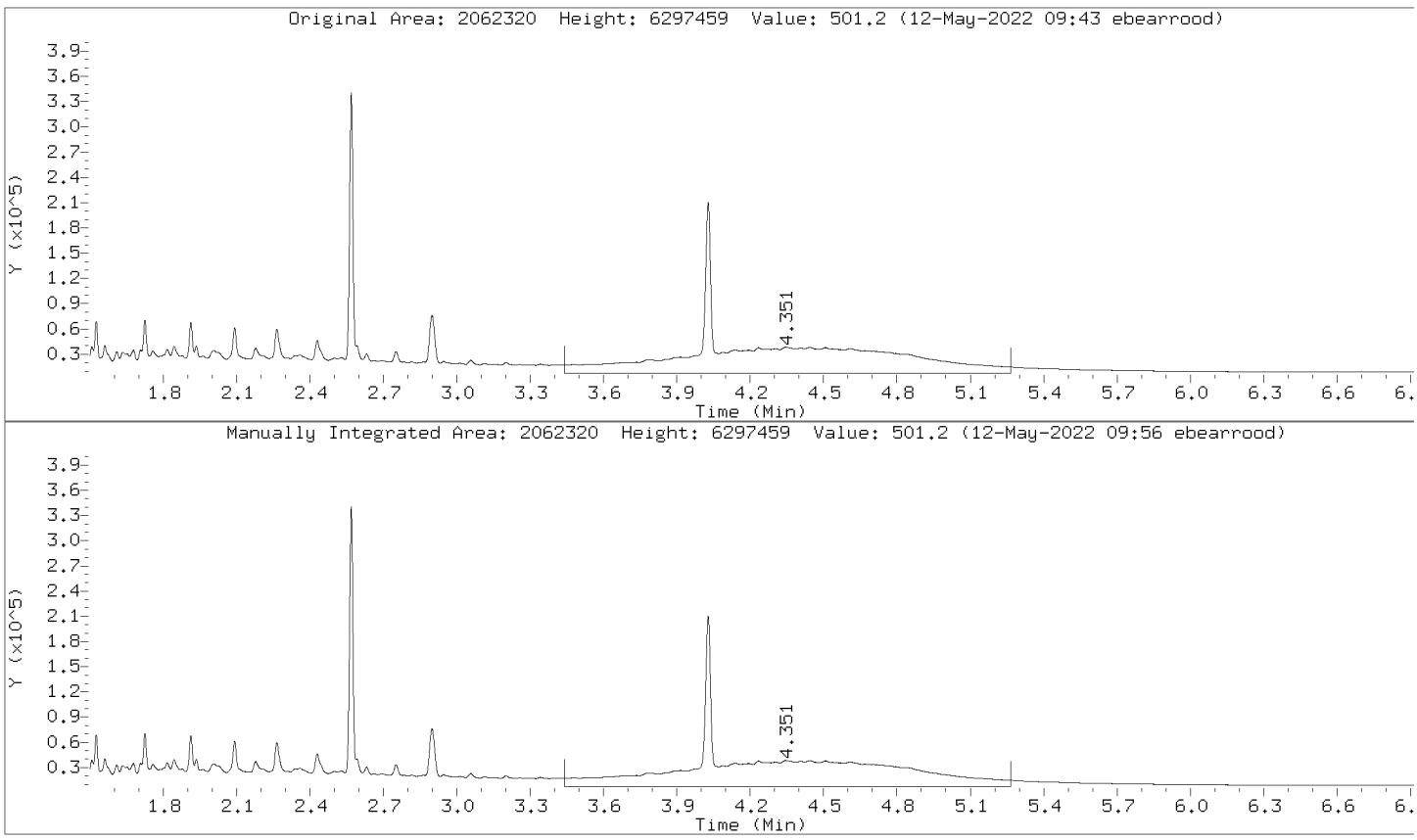
Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:





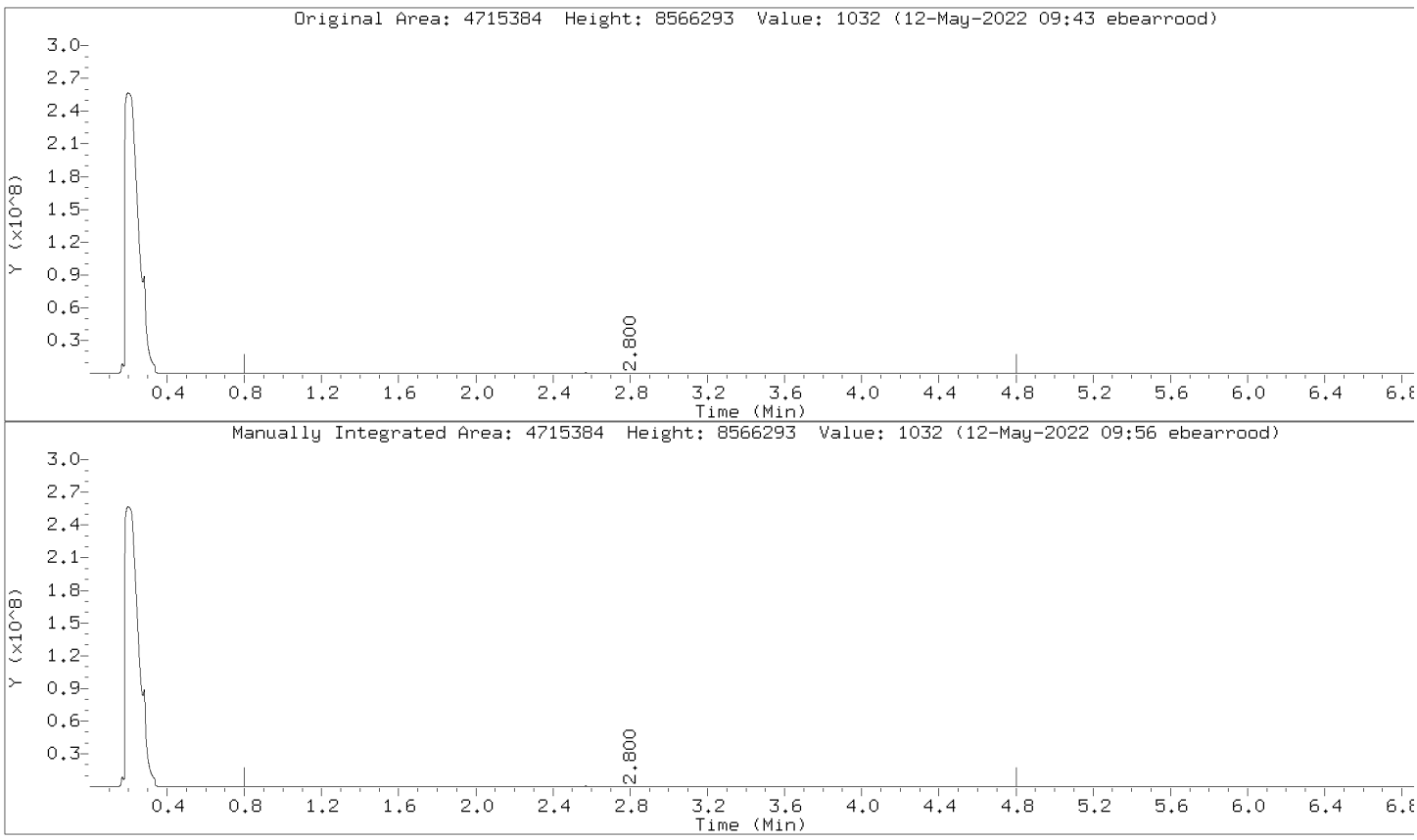
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000062.D
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



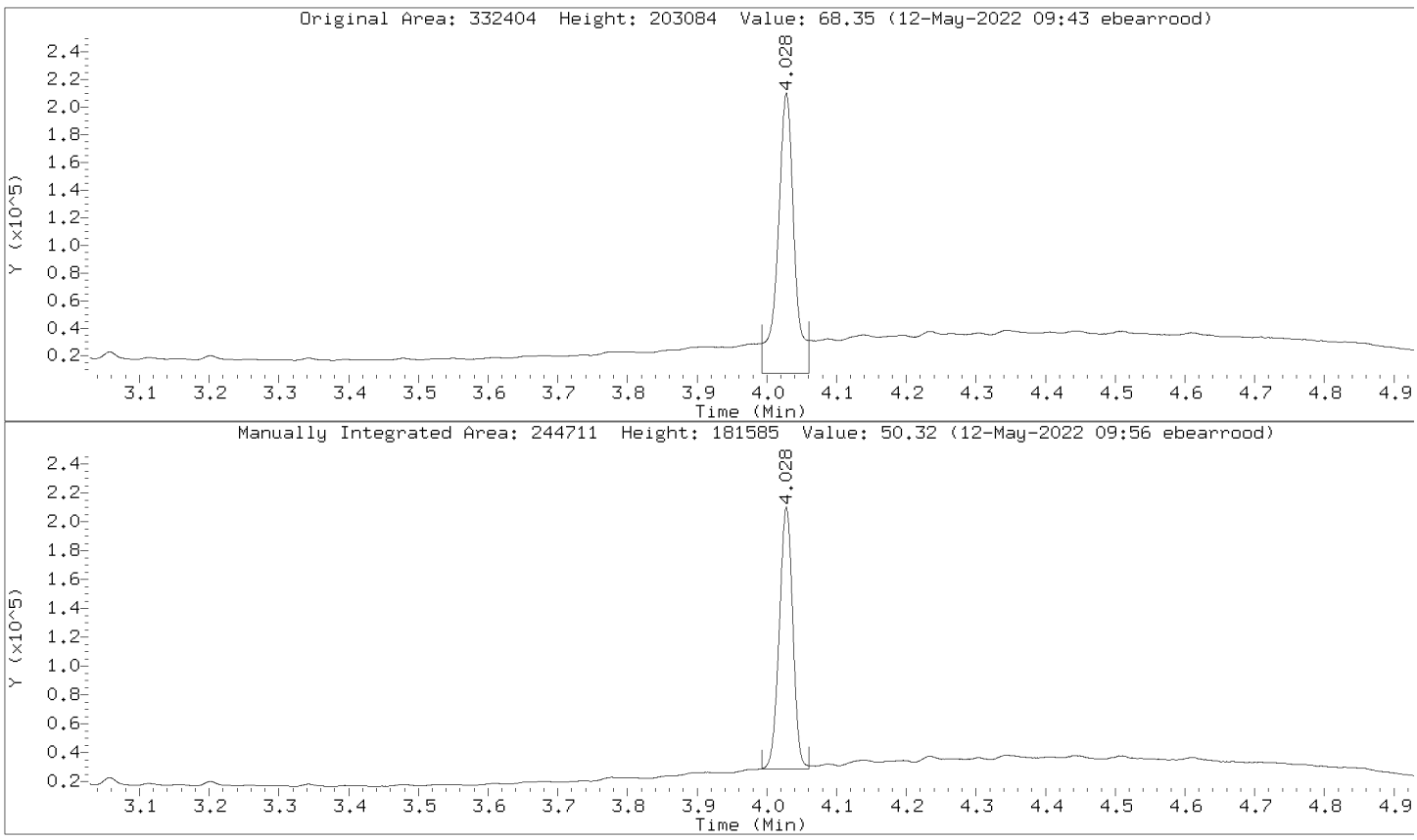
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000062.D
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: C10-C36 Review Code: RNG
CAS Number:



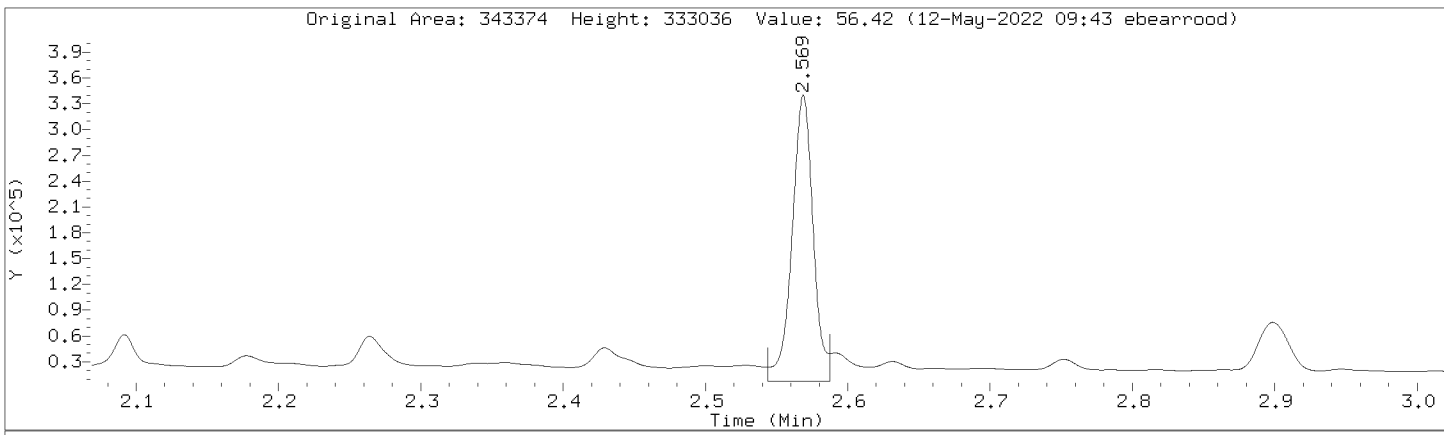
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000062.D
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

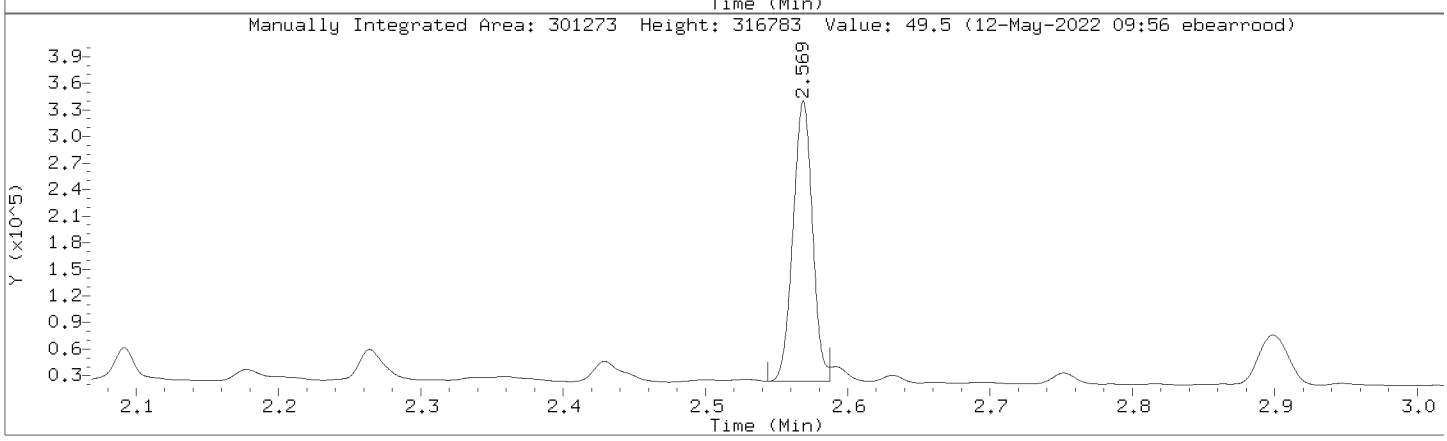
Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000062.D
Injection Date: 12-MAY-2022 00:52
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:





Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1715460	1715460
DRO by AK 102	2999923	2999923
TPH-DRO (C10-C28)	3434656	3434656
Motor Oil Range (C24-C36)	1795874	1795874
Diesel Fuel Range	2534536	2534536
Motor Oil Range	2062320	2062320
Diesel Fuel Range SG	2534536	2534536
Motor Oil Range SG	2062320	2062320
C10-C36	4715384	4715384
n-Triacontane (S)	332404	244711
o-Terphenyl (S)	343374	301273

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000076.D
Lab Smp Id: DMO-CCV,363721:2 Client Smp ID: DMO-CCV,363721:2
Inj Date : 12-MAY-2022 03:31
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-ccv,363721:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

			AMOUNTS			
				CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE
S 1 DRO by AK 102					CAS #:	
0.800	- 3.385		3039834	500.000	530	(M) RNG
$ 2 o-Terphenyl (S)					CAS #:	
2.568	2.568	0.000	306138	50.0000	50.3	(M) BA
$ 3 n-Triacontane (S)					CAS #:	
4.028	4.028	0.000	249335	50.0000	51.3	(M) BA
S 4 Residual Range Organics AK103					CAS #:	
3.386	- 4.800		1731816	500.000	511	(M) RNG
S 5 TPH-DRO (C10-C28)					CAS #:	
0.800	- 3.940		3475751	500.000	527	(M) RNG
S 6 Motor Oil Range (C24-C36)					CAS #:	
3.250	- 4.800		1812199	500.000	511	(M) RNG
S 7 C10-C36					CAS #:	
0.800	- 4.800		4771651	1000.00	1040	(M) RNG
S 8 Diesel Fuel Range					CAS #:	
1.240	- 3.440		2567146	500.000	532	(M) RNG
S 9 Diesel Fuel Range SG					CAS #:	
1.240	- 3.440		2567146	500.000	532	(M) RNG
S 10 Motor Oil Range					CAS #:	
3.441	- 5.260		2063970	500.000	501	(M) RNG
S 11 Motor Oil Range SG					CAS #:	
3.441	- 5.260		2063970	500.000	502	(M) RNG

QC Flag Legend

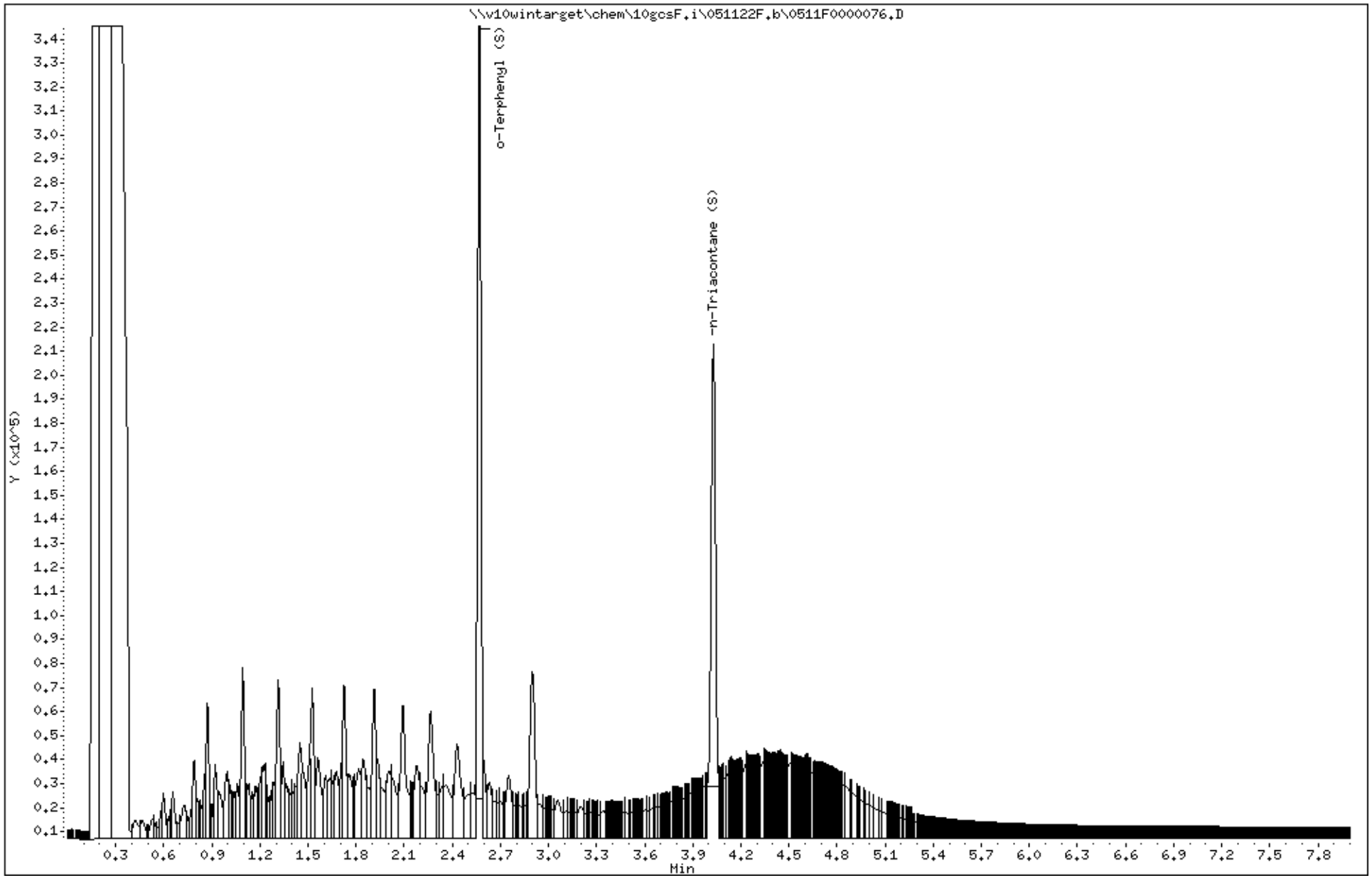
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000076.D
Date : 12-MAY-2022 03:31
Client ID: DMO-CCV,363721:2
Sample Info: DMO-CCV,363721:2

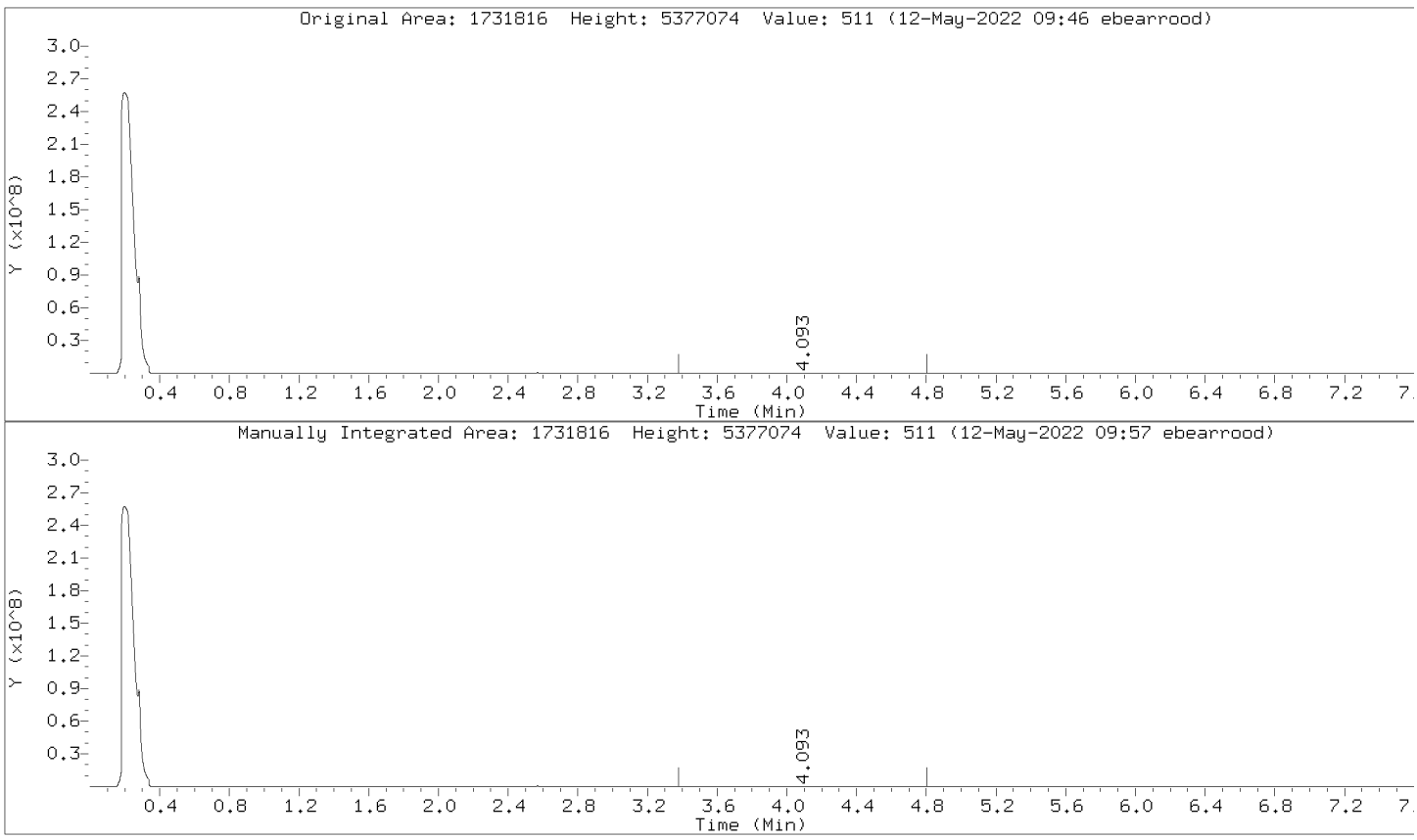
Instrument: 10gcsF.i
Operator: EB3
Column phase: DB-5-US21390001
Column diameter: 0.32



329 of 1506
242 of 723
10606565

Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000076.D
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



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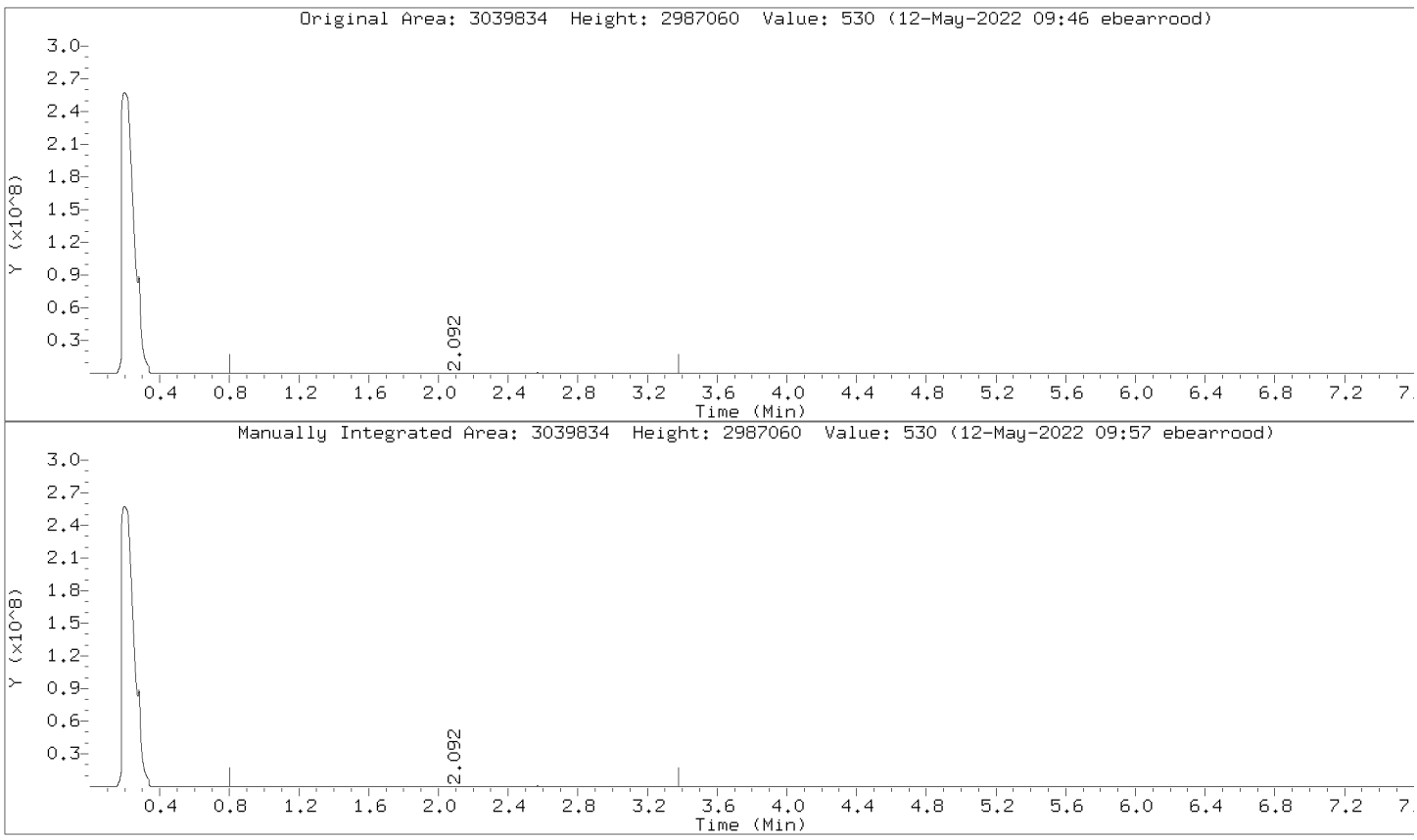
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



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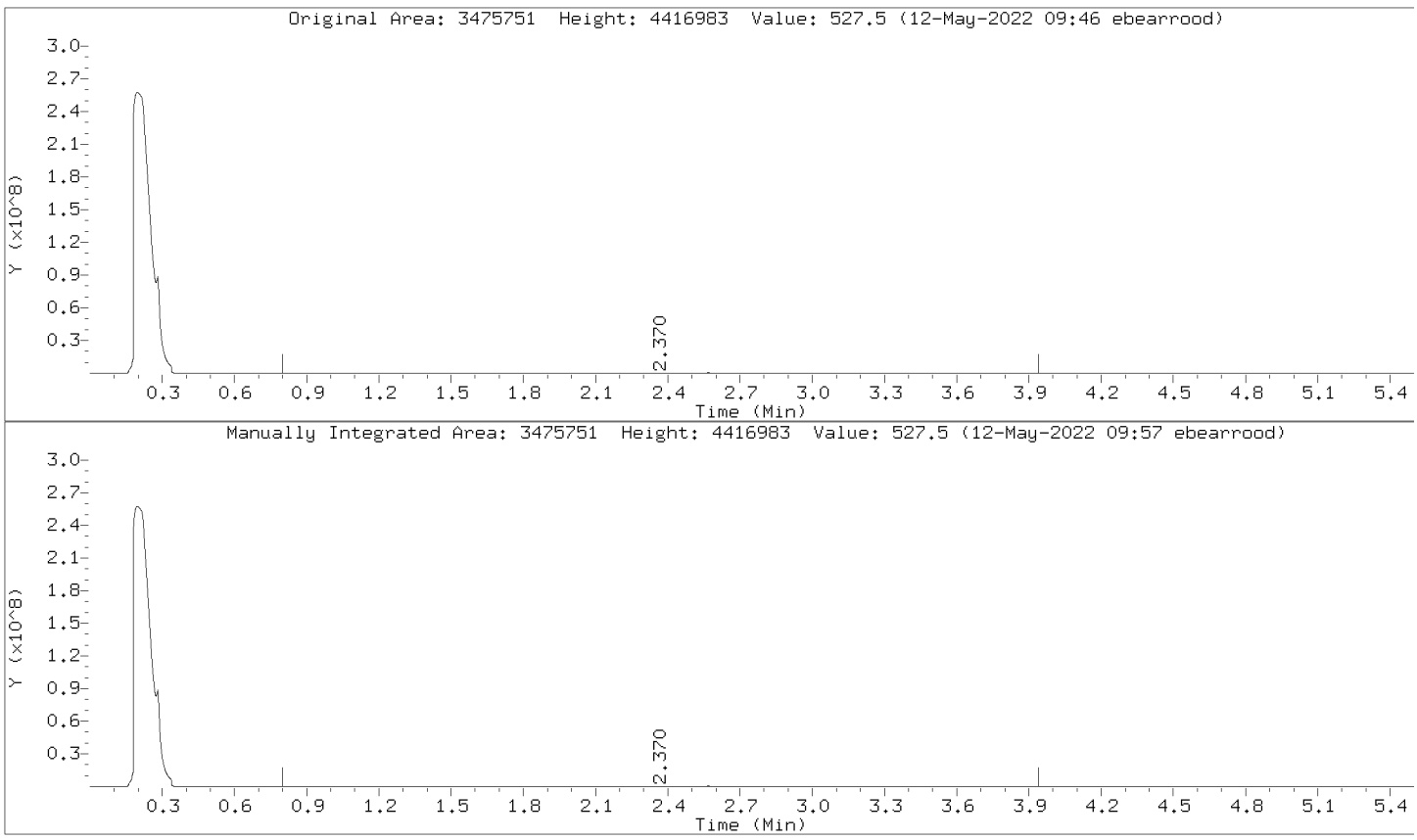
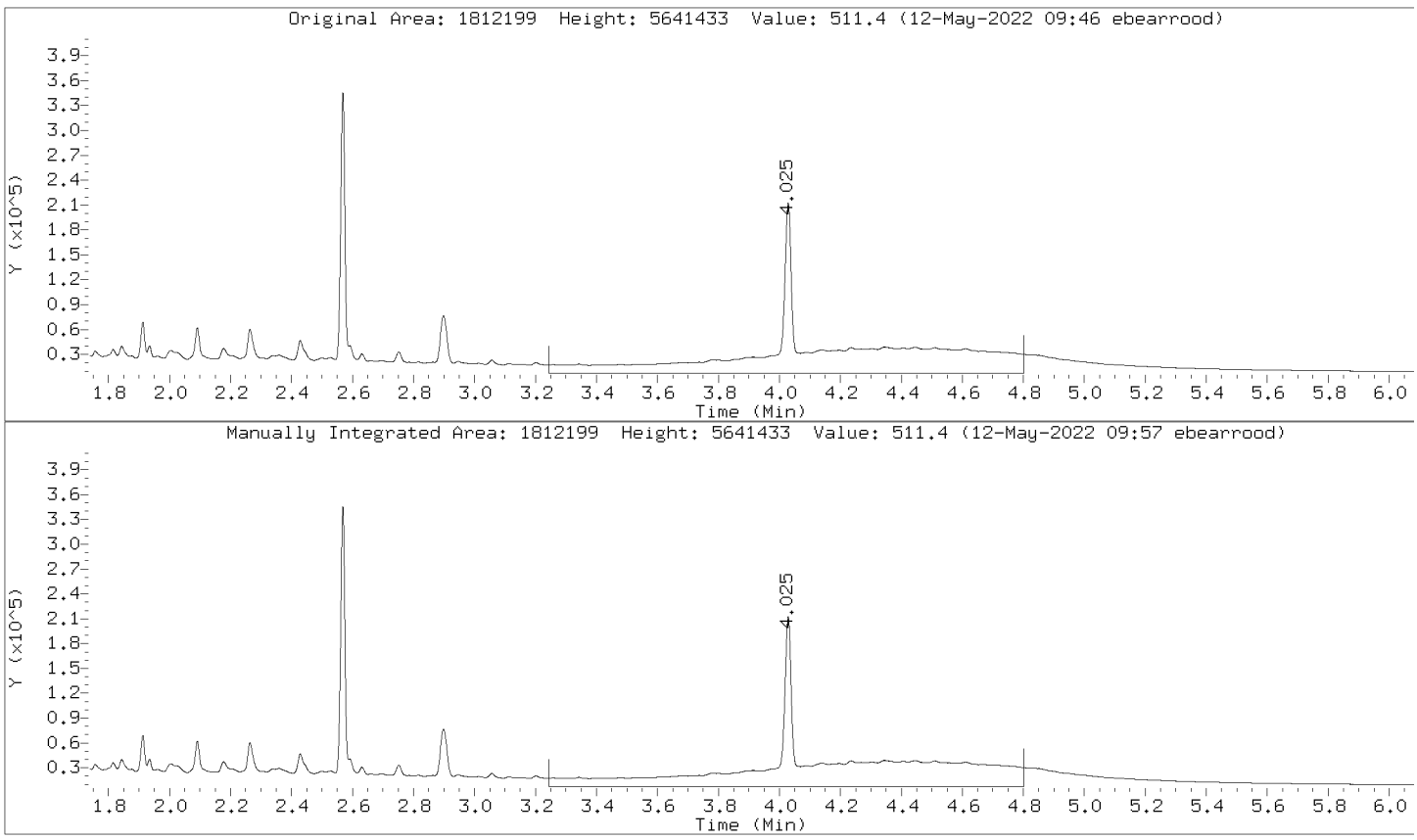
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000076.D
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



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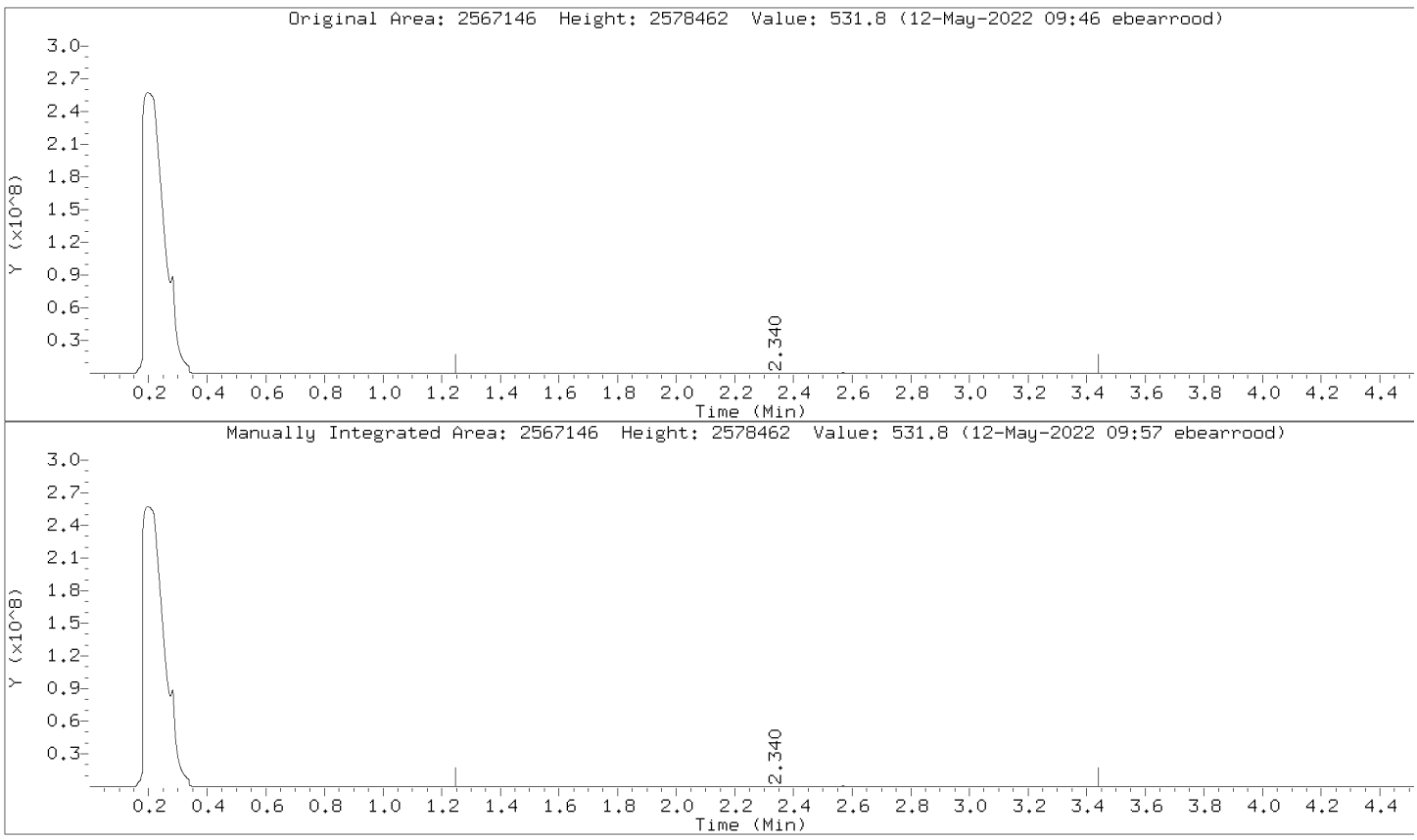
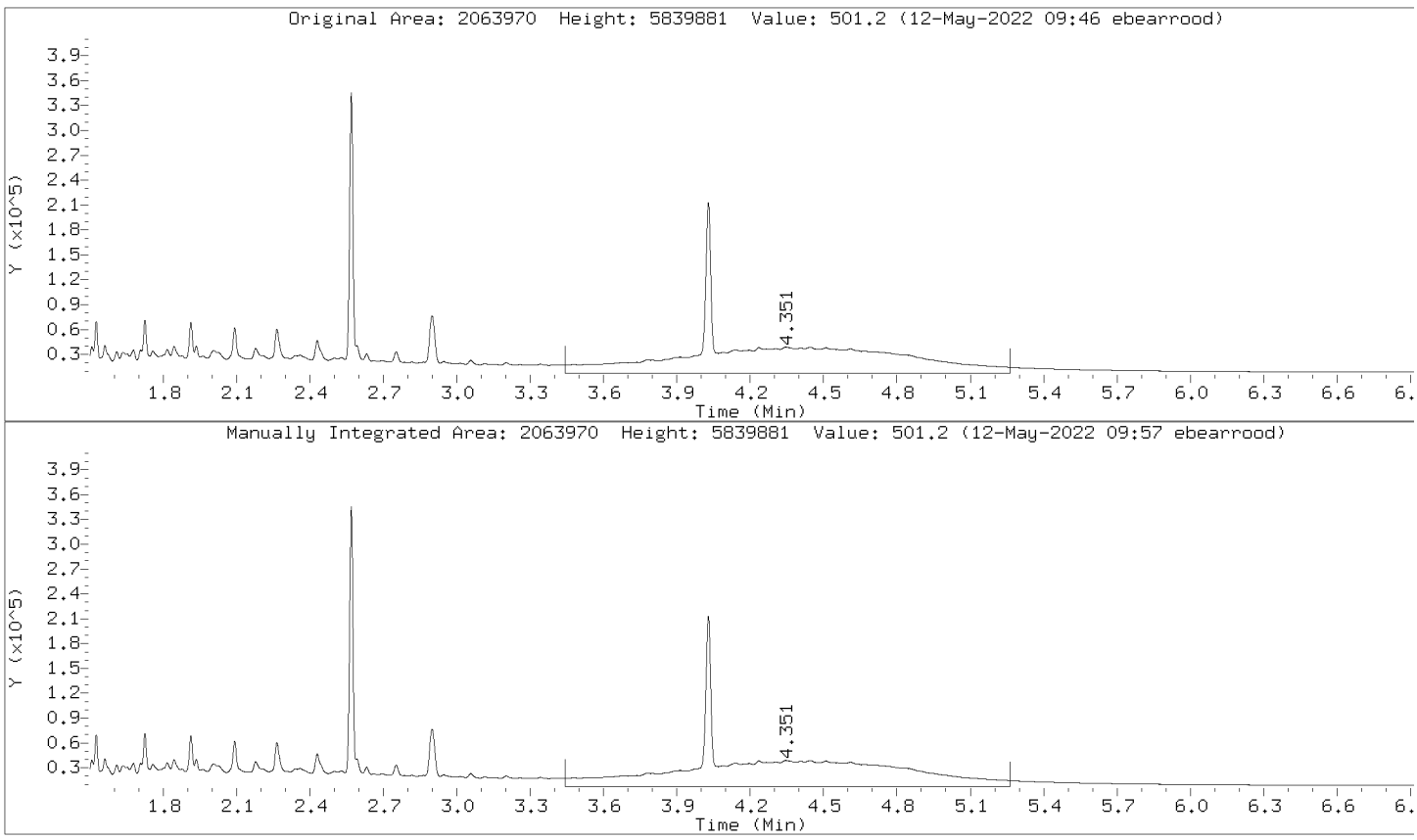
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000076.D
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



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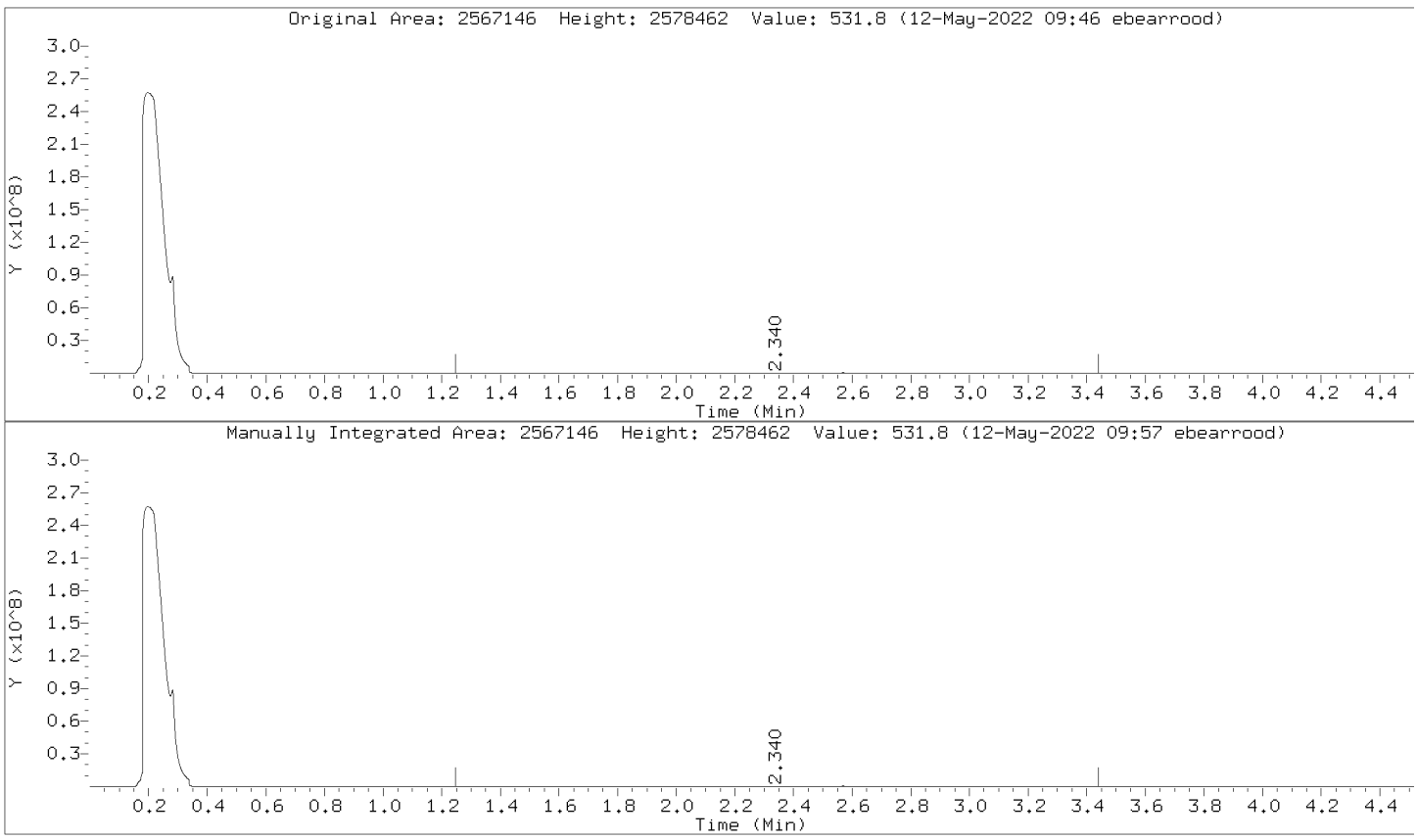
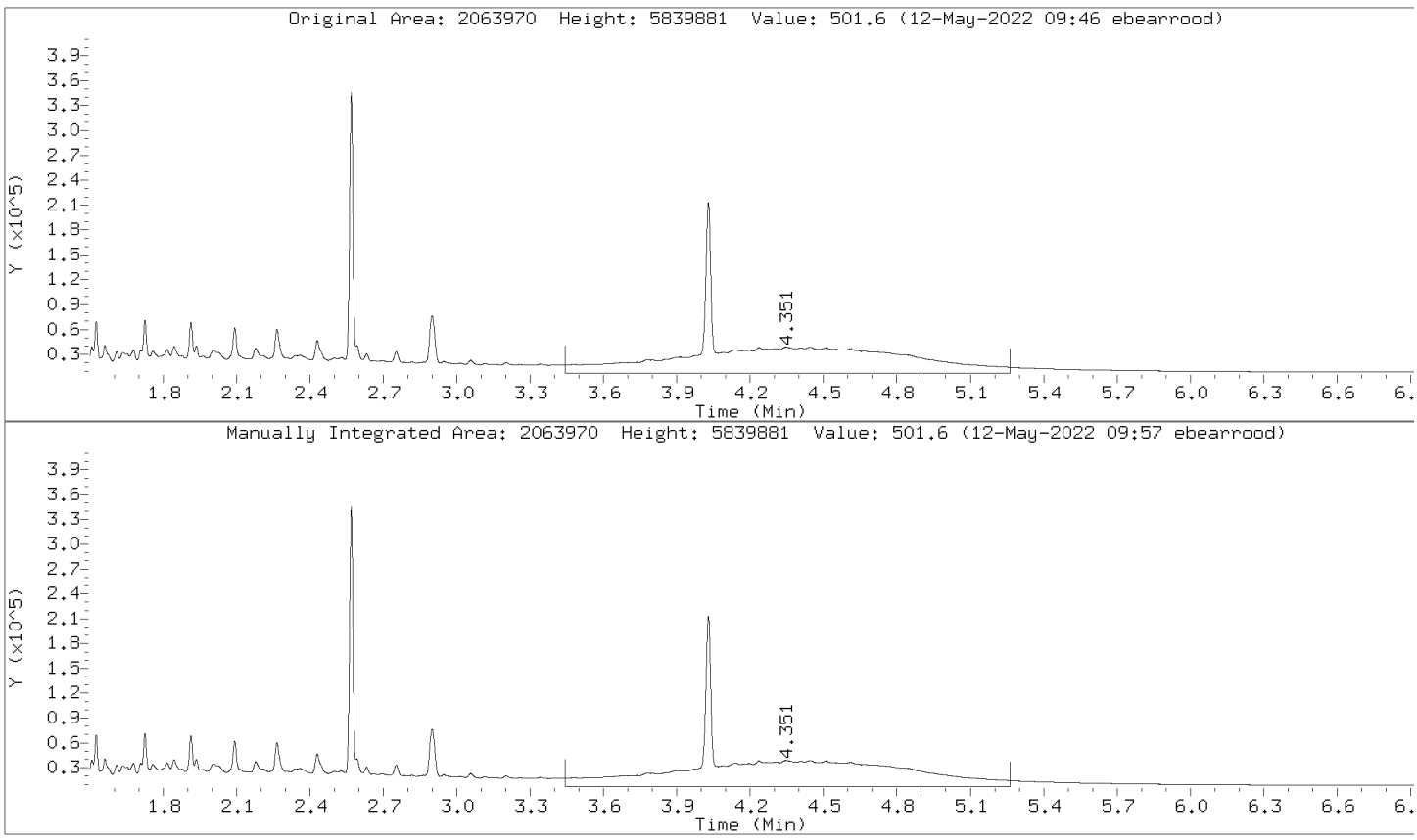
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



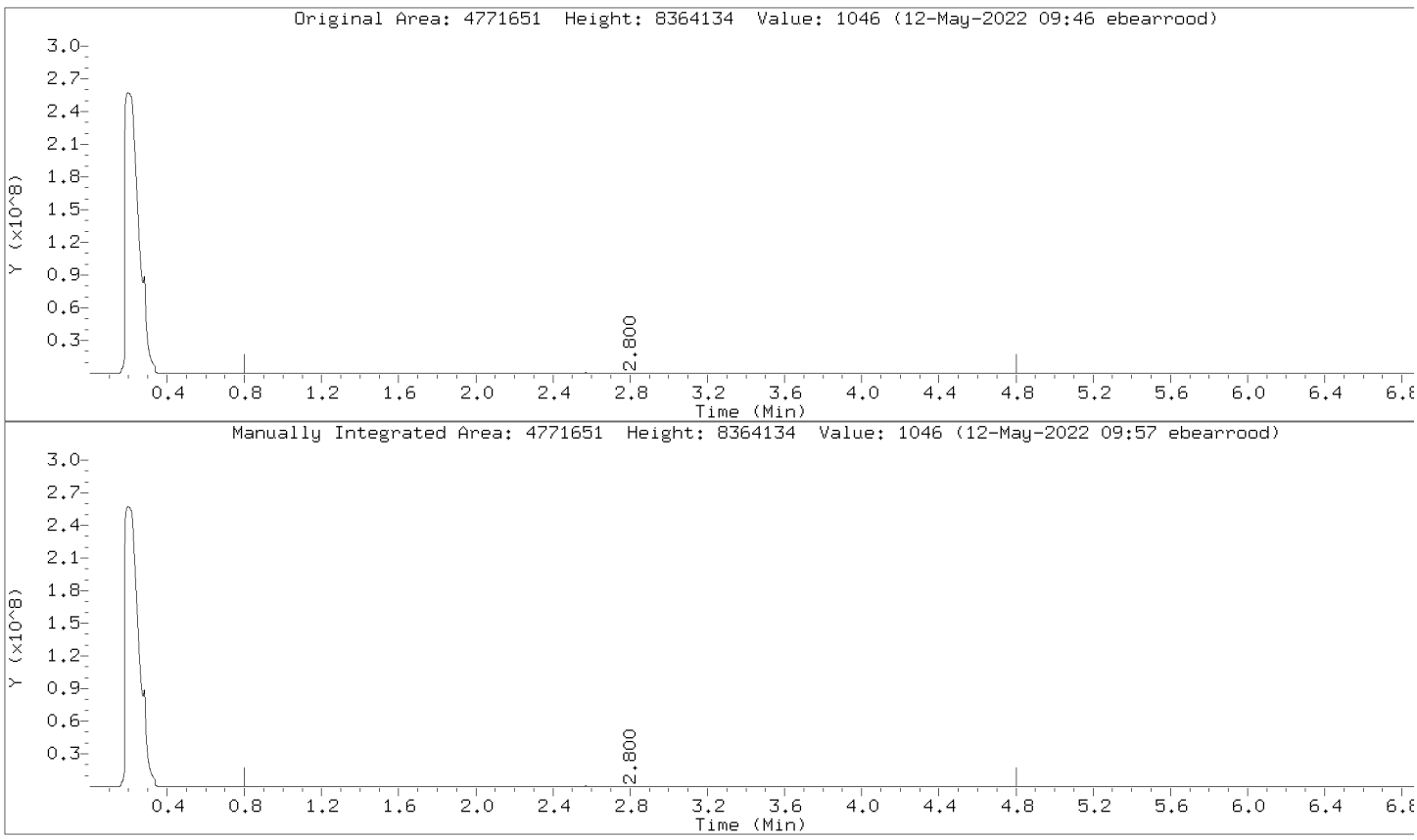
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000076.D
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



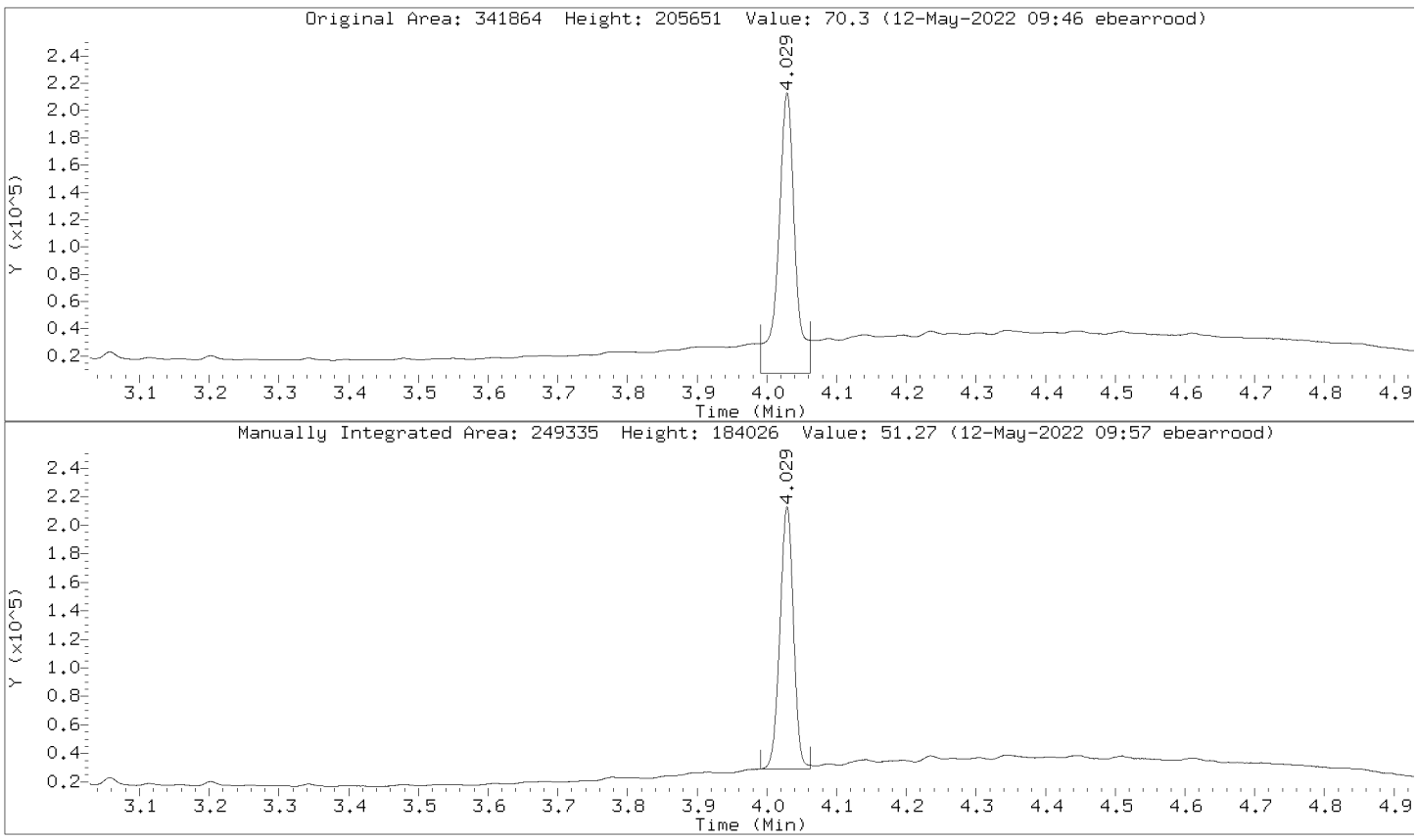
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000076.D
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: C10-C36 Review Code: RNG
CAS Number:



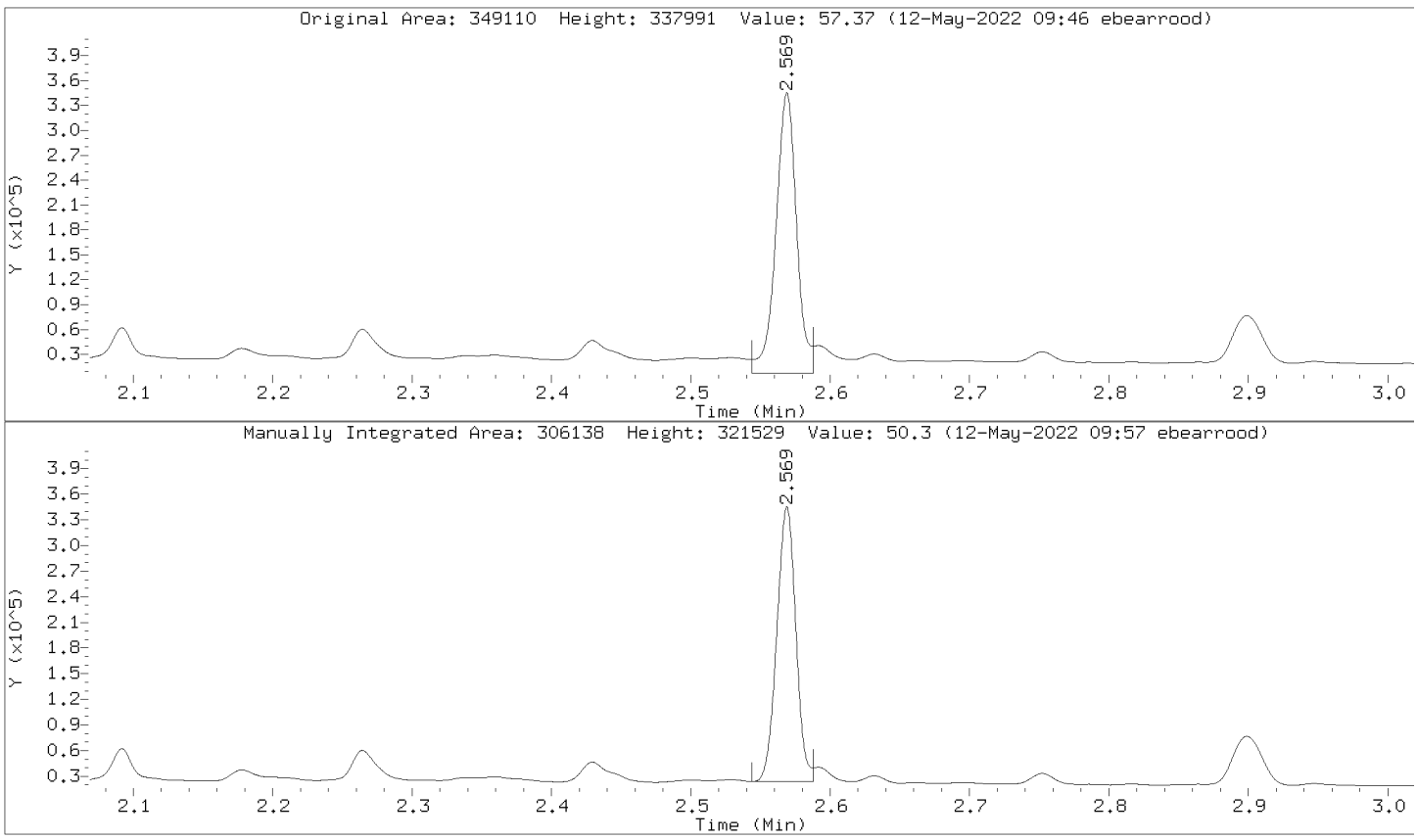
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000076.D
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000076.D
Injection Date: 12-MAY-2022 03:31
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1731816	1731816
DRO by AK 102	3039834	3039834
TPH-DRO (C10-C28)	3475751	3475751
Motor Oil Range (C24-C36)	1812199	1812199
Diesel Fuel Range	2567146	2567146
Motor Oil Range	2063970	2063970
Diesel Fuel Range SG	2567146	2567146
Motor Oil Range SG	2063970	2063970
C10-C36	4771651	4771651
n-Triacontane (S)	341864	249335
o-Terphenyl (S)	349110	306138

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051222F.b\0512F0000045.D
Lab Smp Id: DMO-CCV,363721:2 Client Smp ID: DMO-CCV,363721:2
Inj Date : 12-MAY-2022 22:23
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-ccv,363721:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051222F.b\GCSFakNW8015-050922_3928
Meth Date : 13-May-2022 08:46 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.385		3017528	500.000	526	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.569	2.570	-0.001	302136	50.0000	49.6	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.030	4.031	-0.001	246077	50.0000	50.6	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.386	- 4.820		1712863	500.000	505	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.940		3445822	500.000	522	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		1795472	500.000	506	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		4730391	1000.00	1040	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		2545237	500.000	527	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		2545237	500.000	527	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		1991242	500.000	482	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		1991242	500.000	483	(M)	RNG

QC Flag Legend

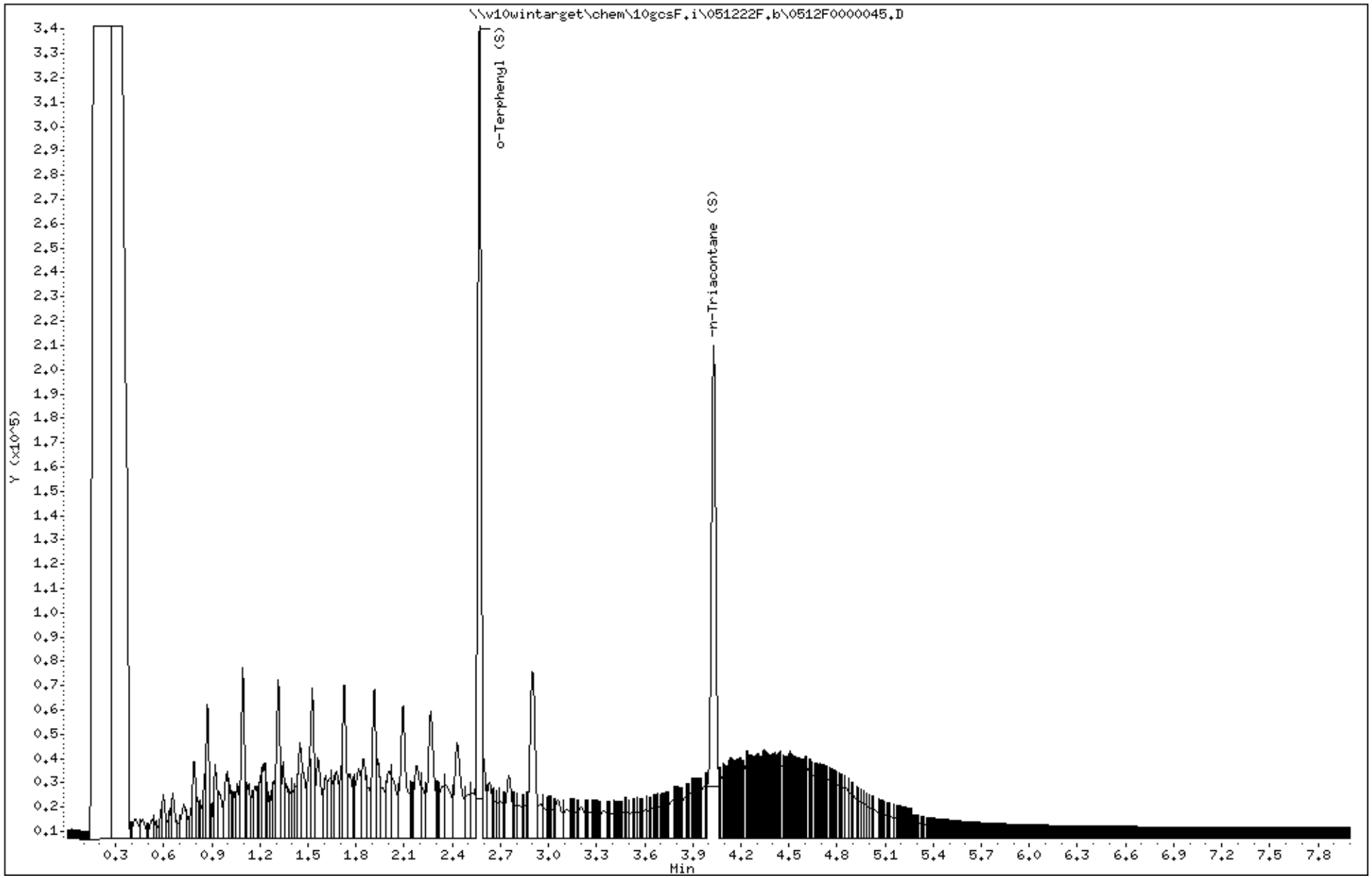
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\051222F.b\0512F0000045.D
Date : 12-MAY-2022 22:23
Client ID: DMO-CCV,363721:2
Sample Info: DMO-CCV,363721:2

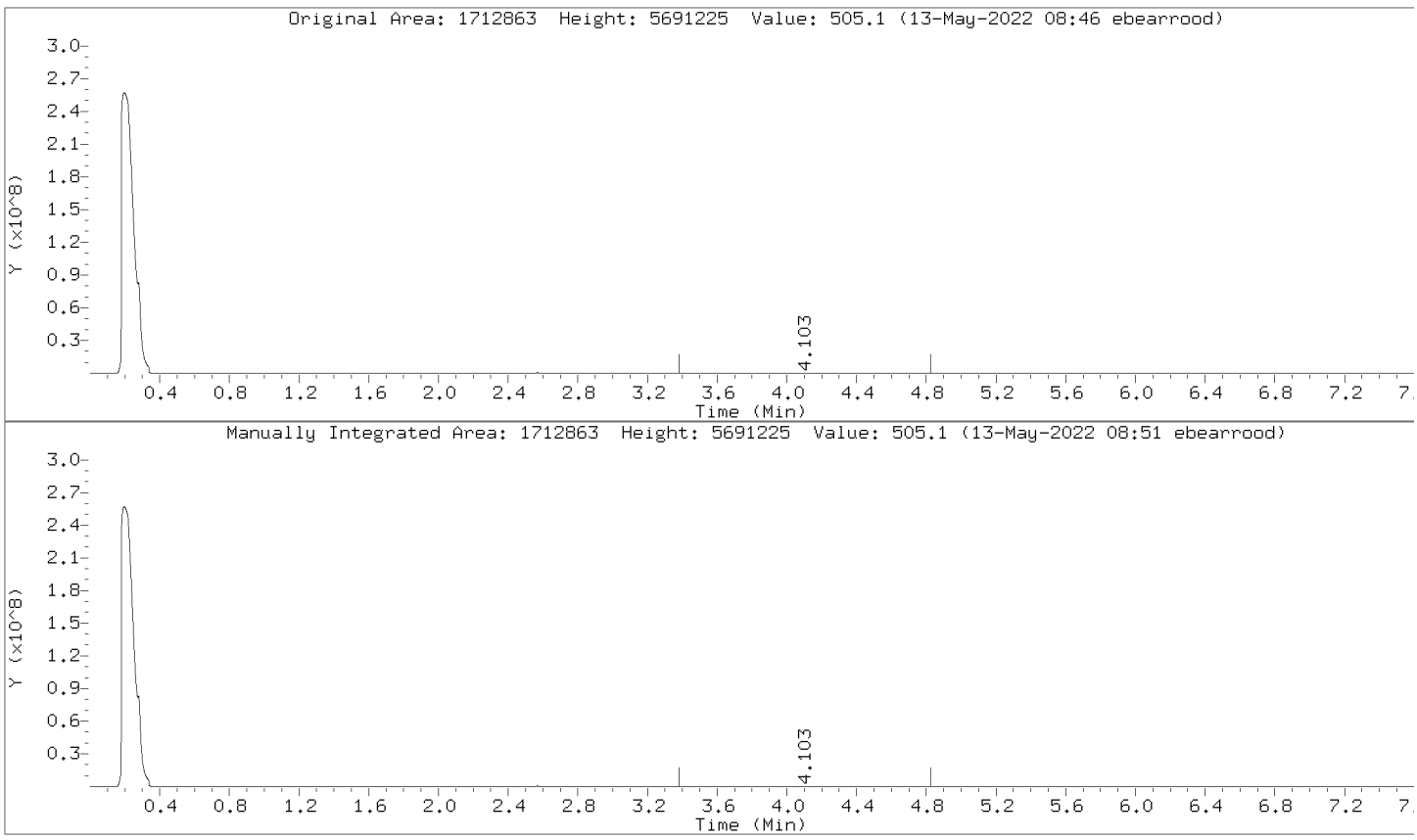
Instrument: 10gcsF.i
Operator: EB3
Column phase: DB-5-US21390001
Column diameter: 0.32



343 of 1506
256 of 723
10606565

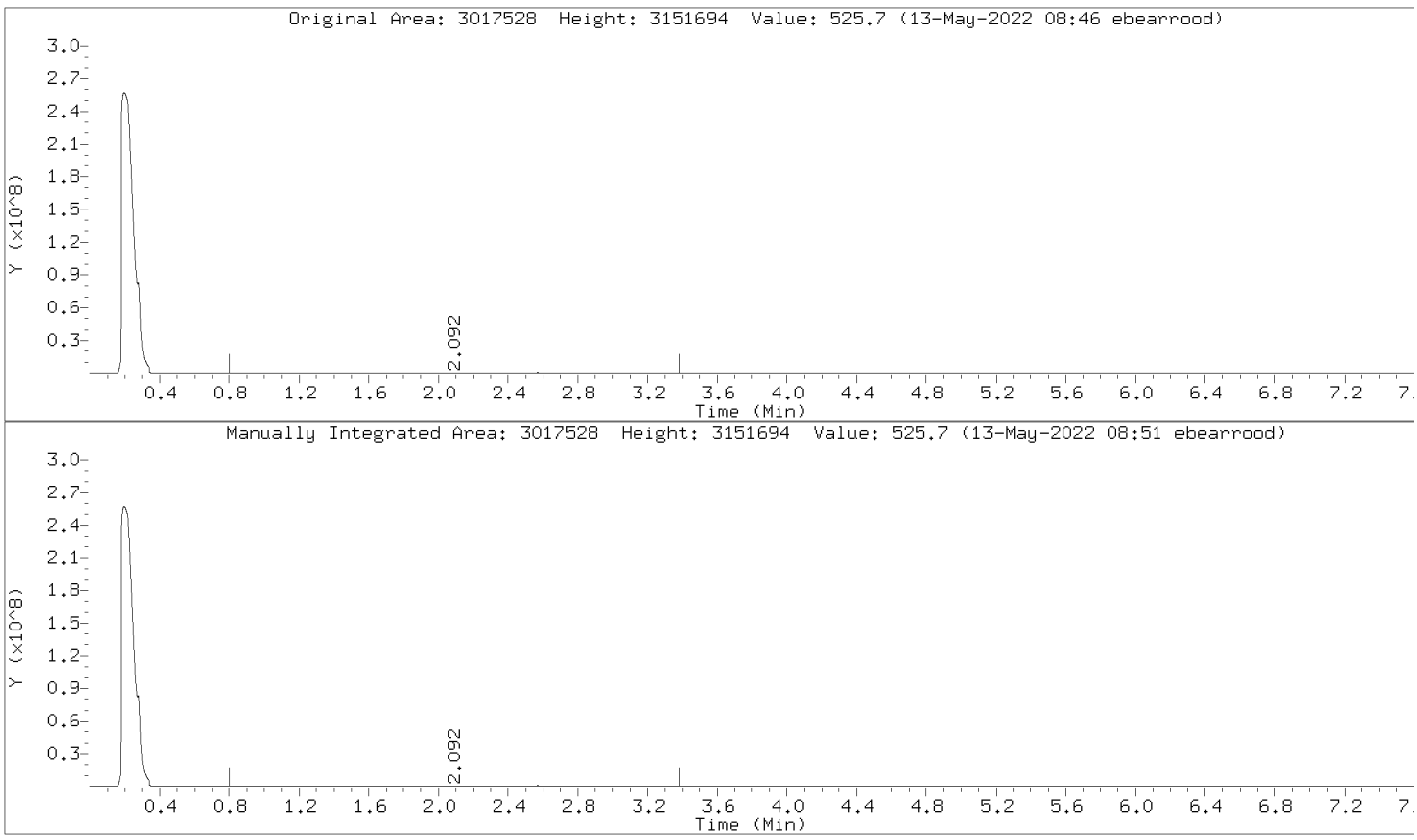
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000045.D
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



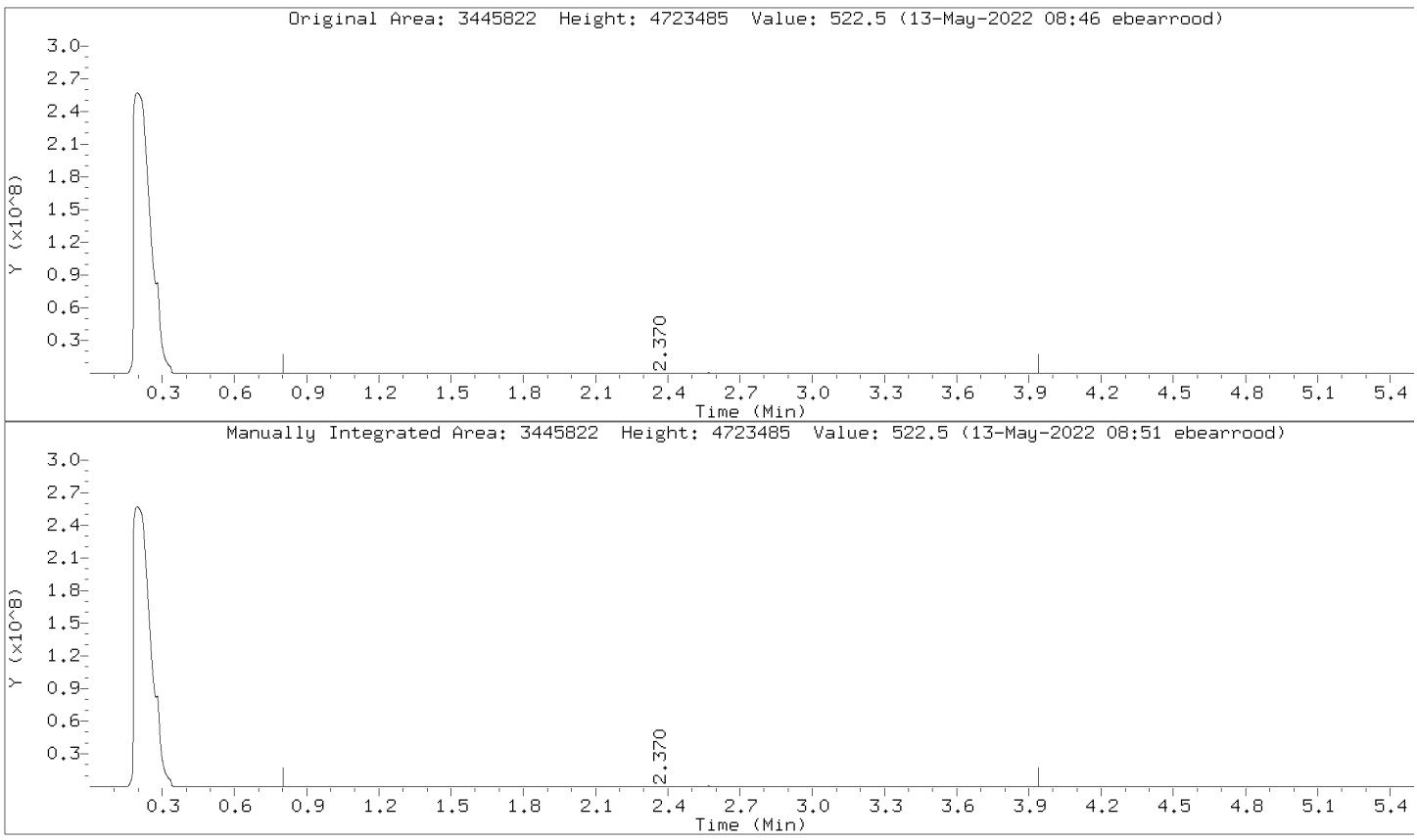
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000045.D
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



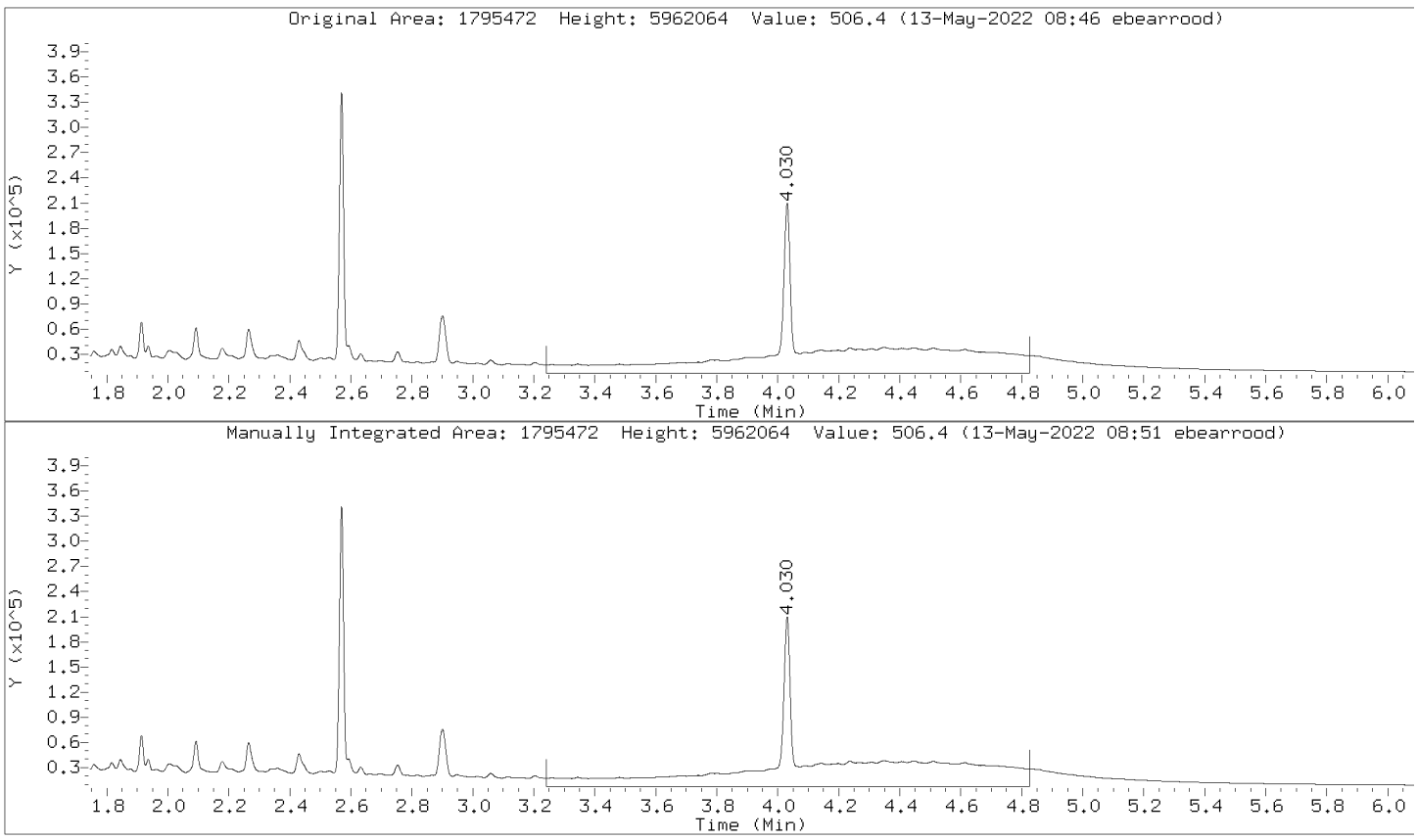
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000045.D
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



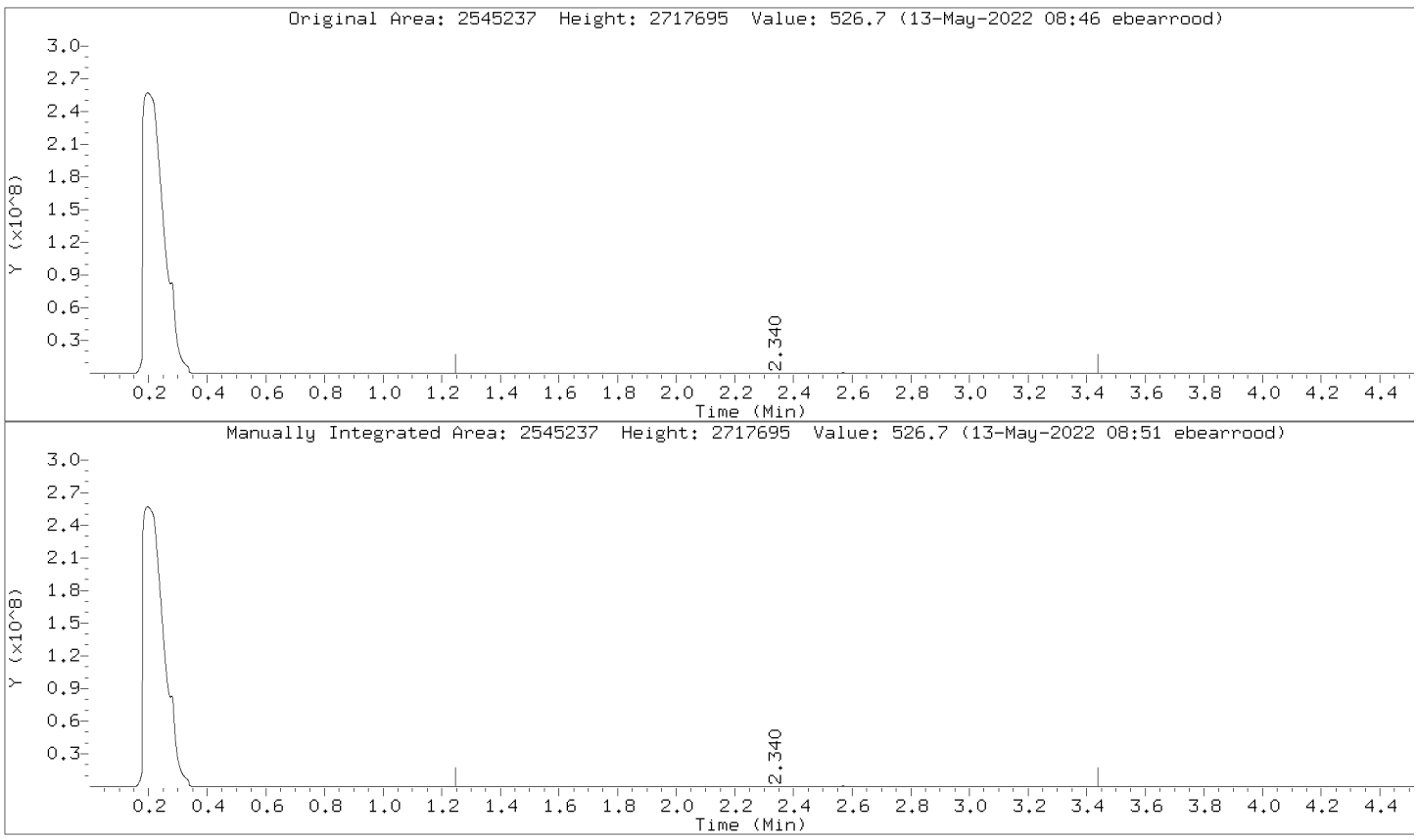
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000045.D
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



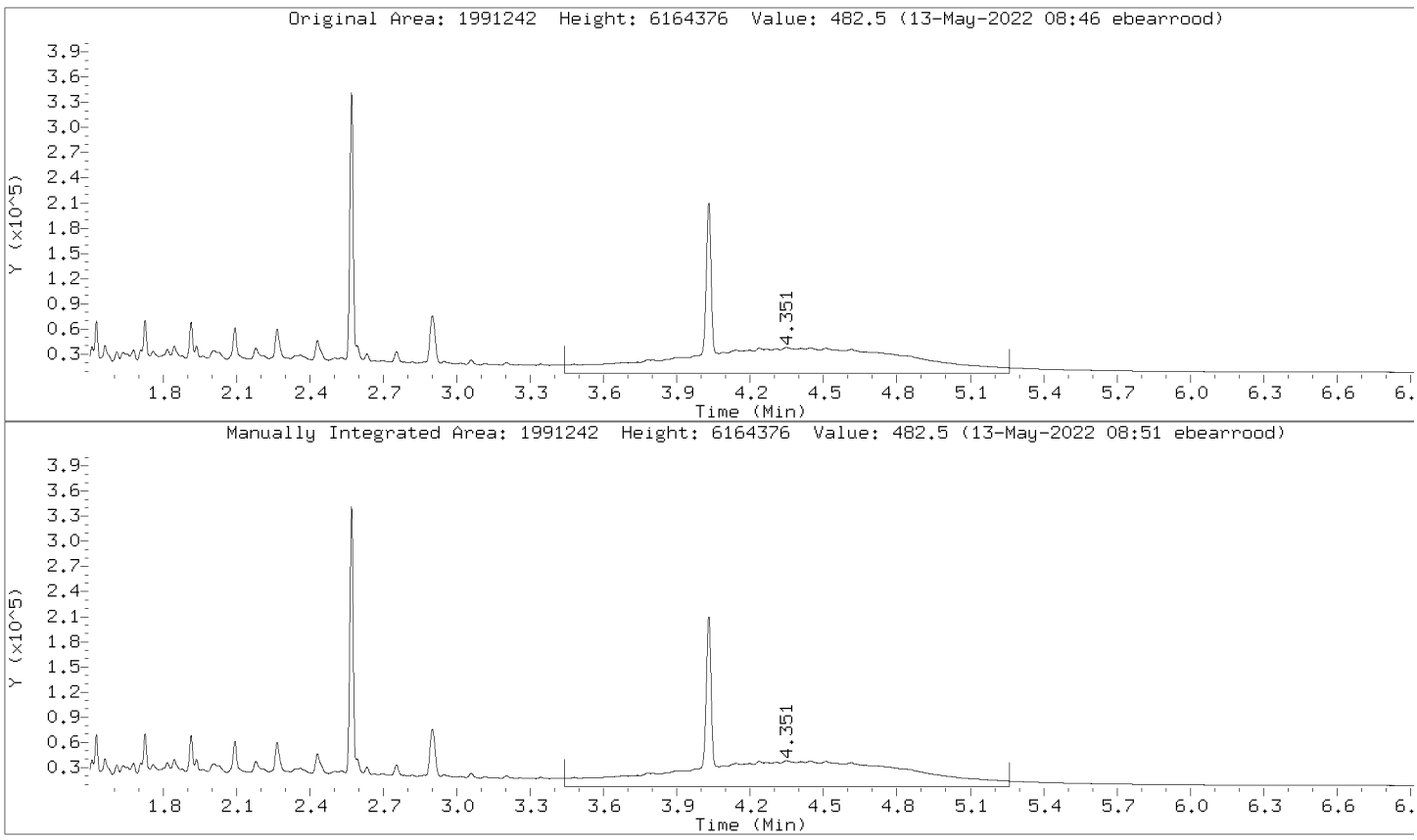
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000045.D
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



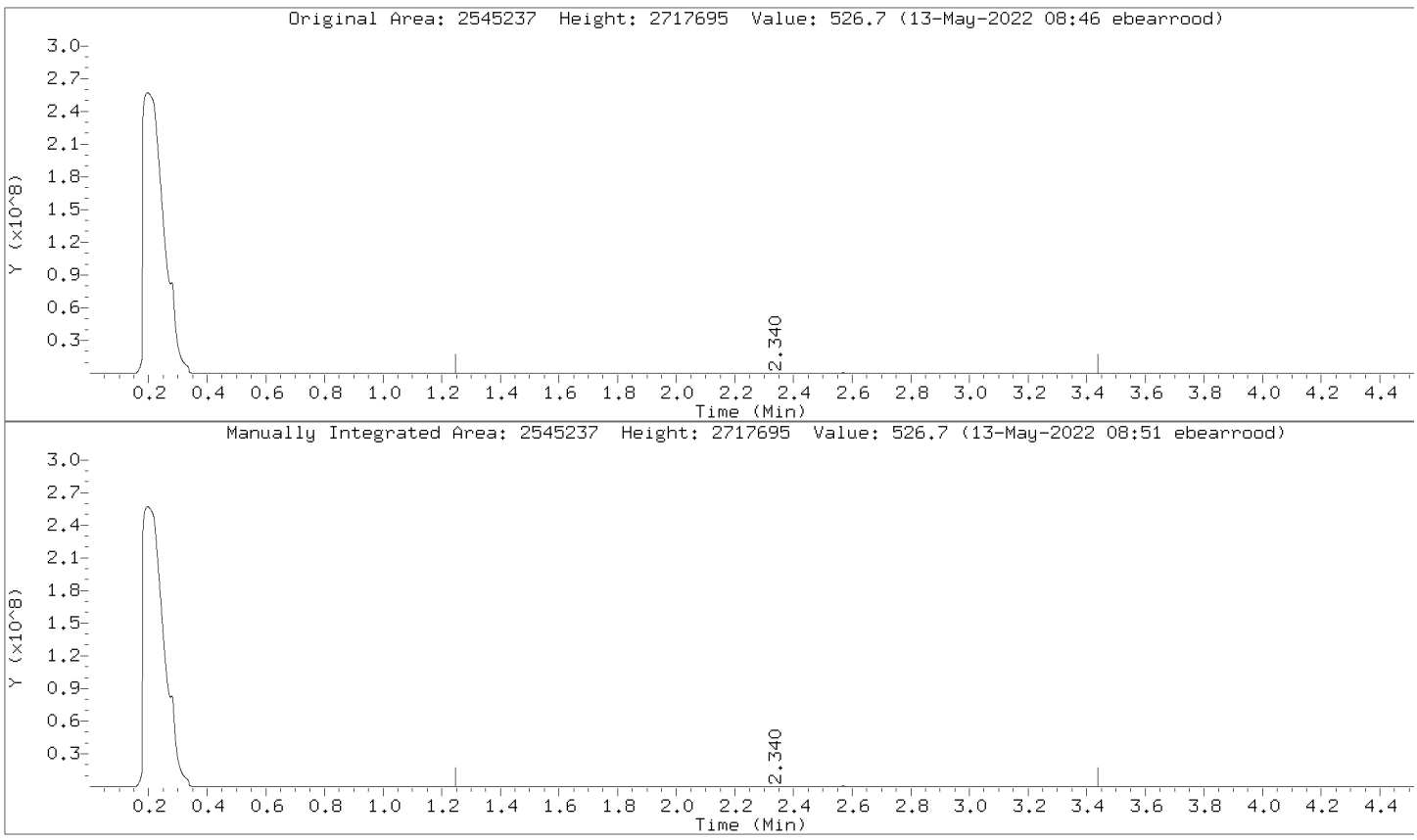
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000045.D
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range Review Code: RNG
CAS Number:



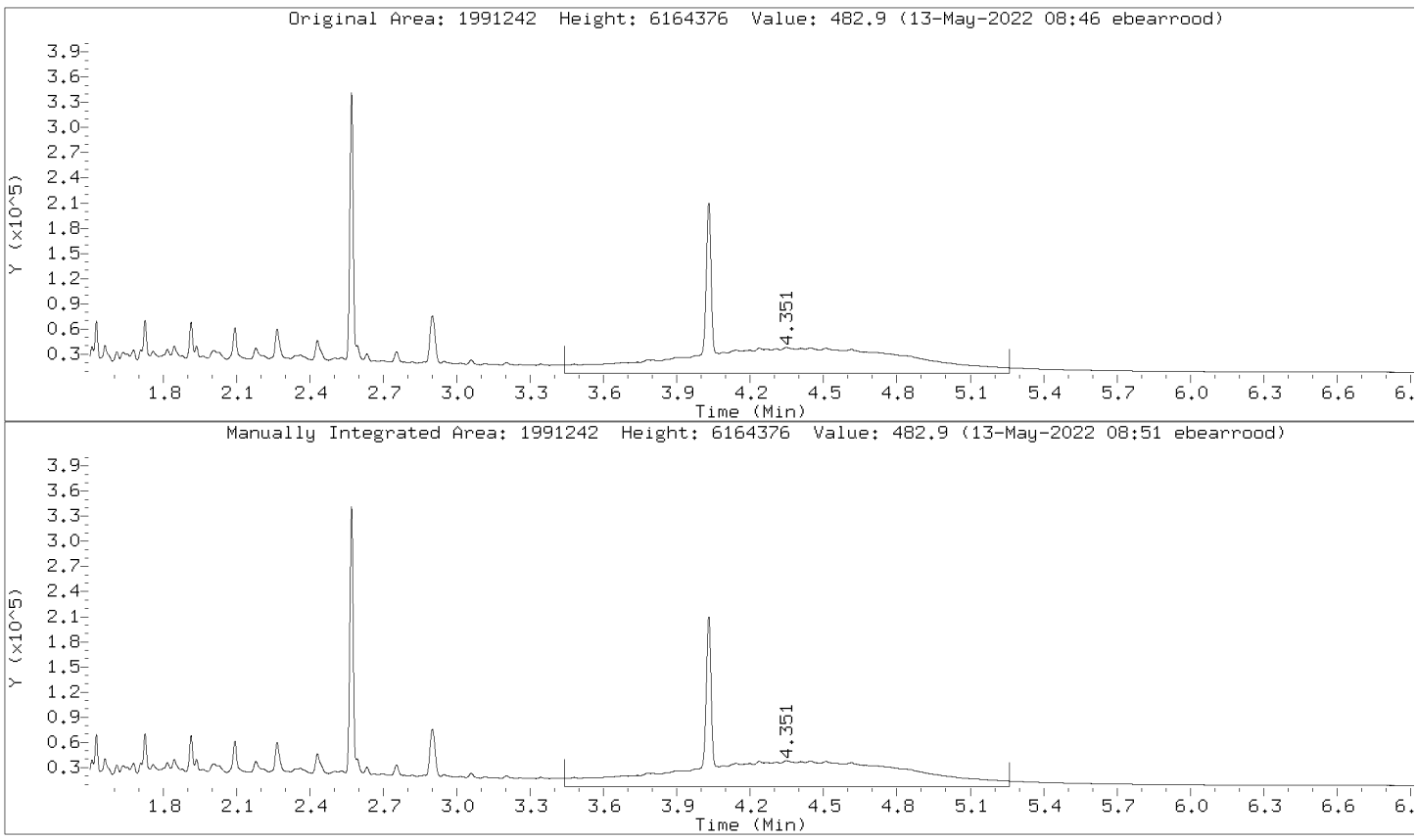
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000045.D
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



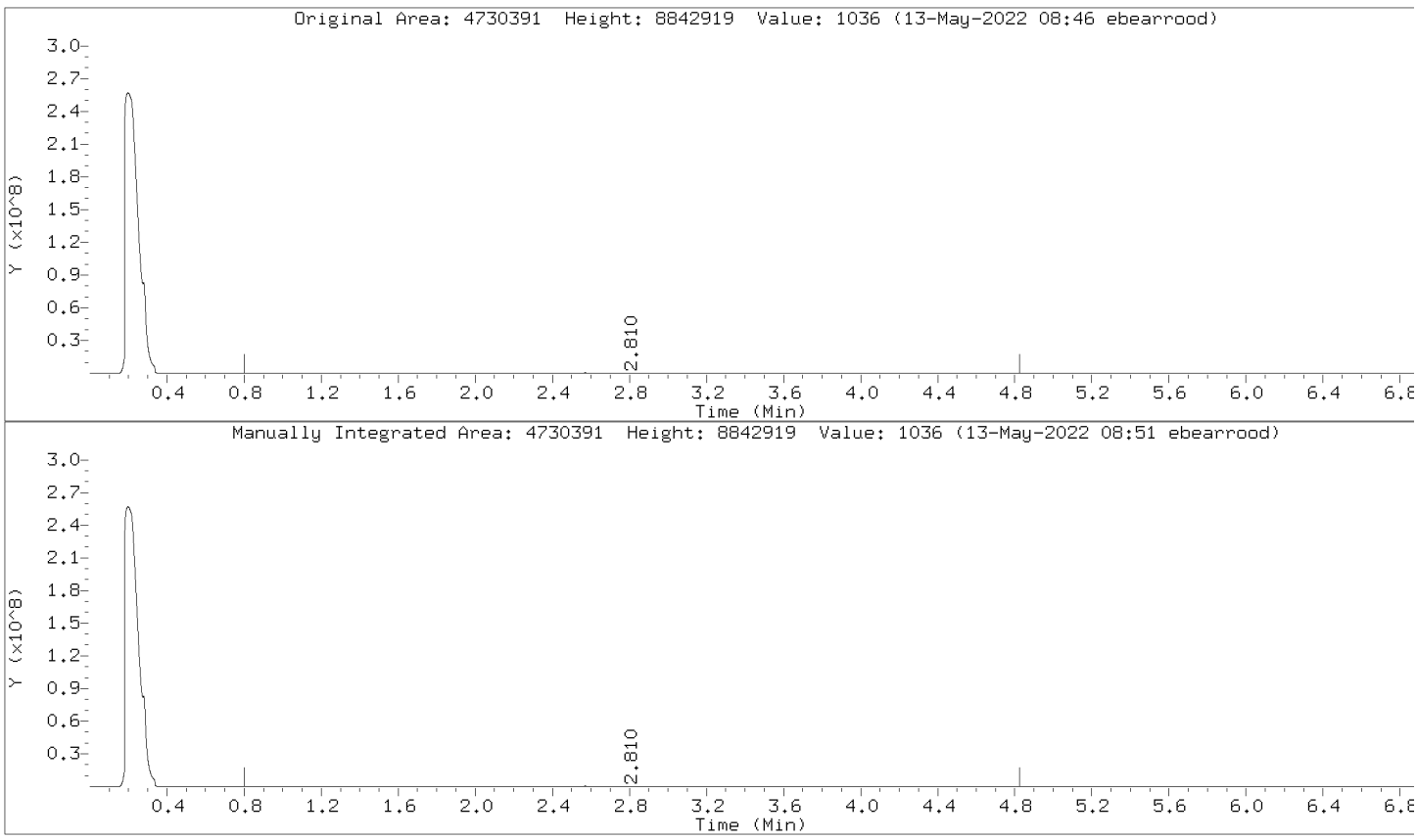
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000045.D
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



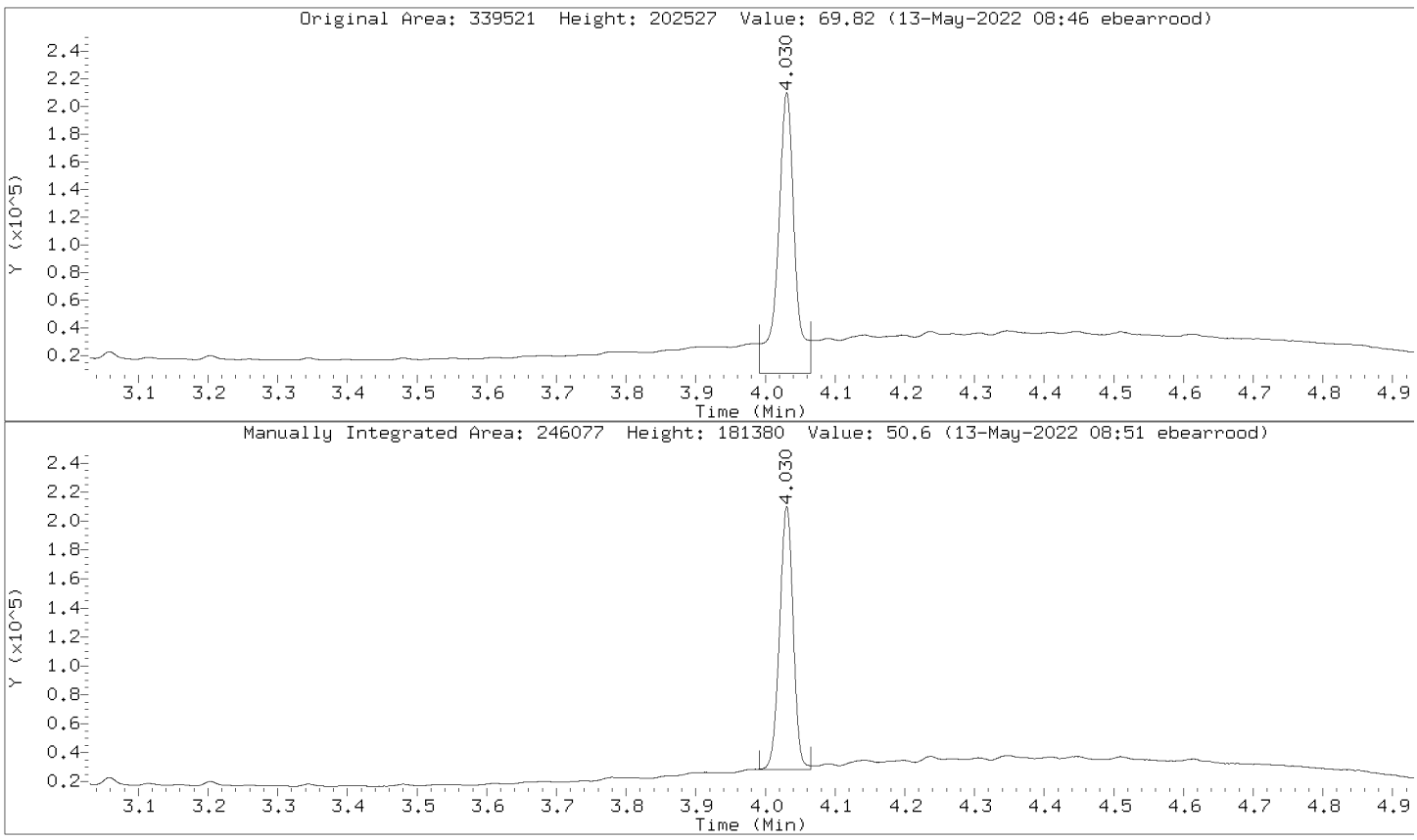
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000045.D
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: C10-C36 Review Code: RNG
CAS Number:



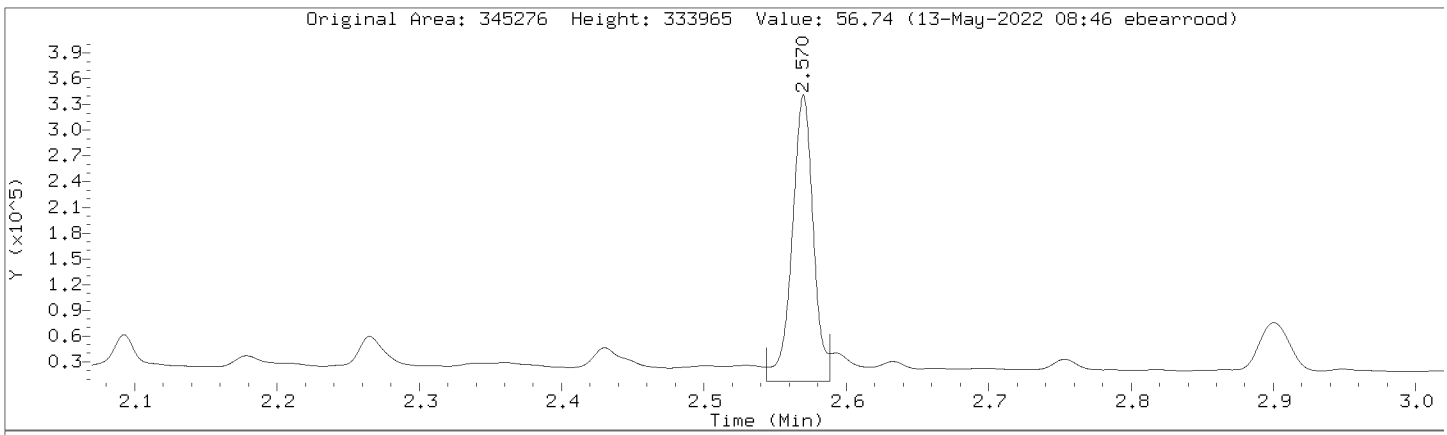
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000045.D
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

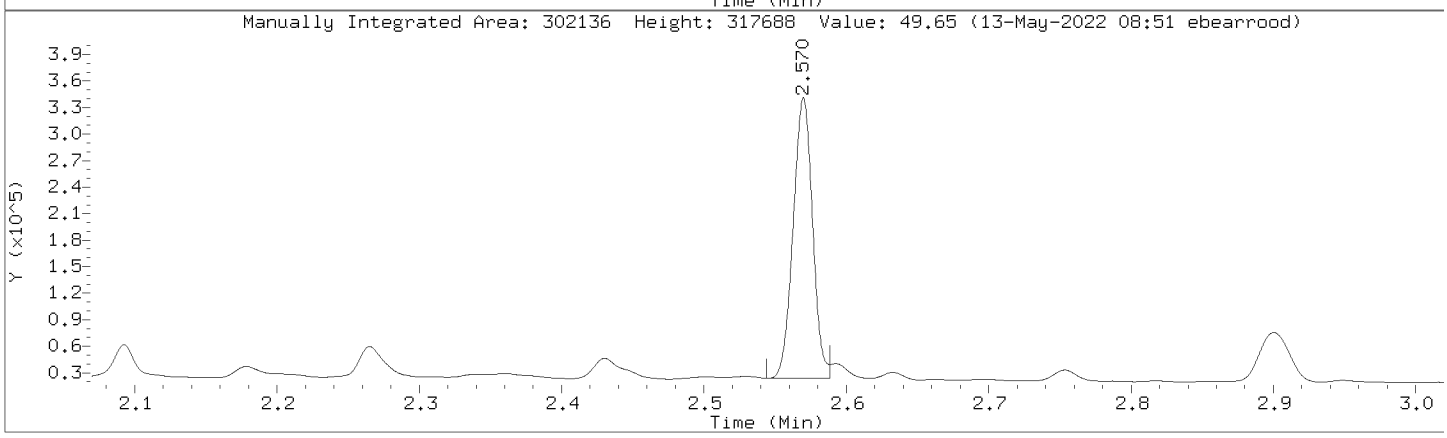
Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000045.D
Injection Date: 12-MAY-2022 22:23
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:





Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1712863	1712863
DRO by AK 102	3017528	3017528
TPH-DRO (C10-C28)	3445822	3445822
Motor Oil Range (C24-C36)	1795472	1795472
Diesel Fuel Range	2545237	2545237
Motor Oil Range	1991242	1991242
Diesel Fuel Range SG	2545237	2545237
Motor Oil Range SG	1991242	1991242
C10-C36	4730391	4730391
n-Triacontane (S)	339521	246077
o-Terphenyl (S)	345276	302136

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051222F.b\0512F0000051.D
Lab Smp Id: DMO-CCV,363721:2 Client Smp ID: DMO-CCV,363721:2
Inj Date : 12-MAY-2022 23:30
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : dmo-ccv,363721:2
Misc Info : 39289
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051222F.b\GCSFakNW8015-050922_3928
Meth Date : 13-May-2022 08:46 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: RC10A Sample Matrix: None
Processing Host: W10MNLABS0070

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	REVIEW CODE	
S 1 DRO by AK 102					CAS #:		
0.800	- 3.385		3017046	500.000	526	(M)	RNG
$ 2 o-Terphenyl (S)					CAS #:		
2.570	2.570	0.000	302417	50.0000	49.7	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.031	4.031	0.000	251386	50.0000	51.7	(M)	BA
S 4 Residual Range Organics AK103					CAS #:		
3.386	- 4.820		1784909	500.000	528	(M)	RNG
S 5 TPH-DRO (C10-C28)					CAS #:		
0.800	- 3.940		3457429	500.000	524	(M)	RNG
S 6 Motor Oil Range (C24-C36)					CAS #:		
3.240	- 4.820		1868395	500.000	528	(M)	RNG
S 7 C10-C36					CAS #:		
0.800	- 4.820		4801955	1000.00	1050	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		2547153	500.000	527	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		2547153	500.000	527	(M)	RNG
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		2115680	500.000	514	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		2115680	500.000	515	(M)	RNG

QC Flag Legend

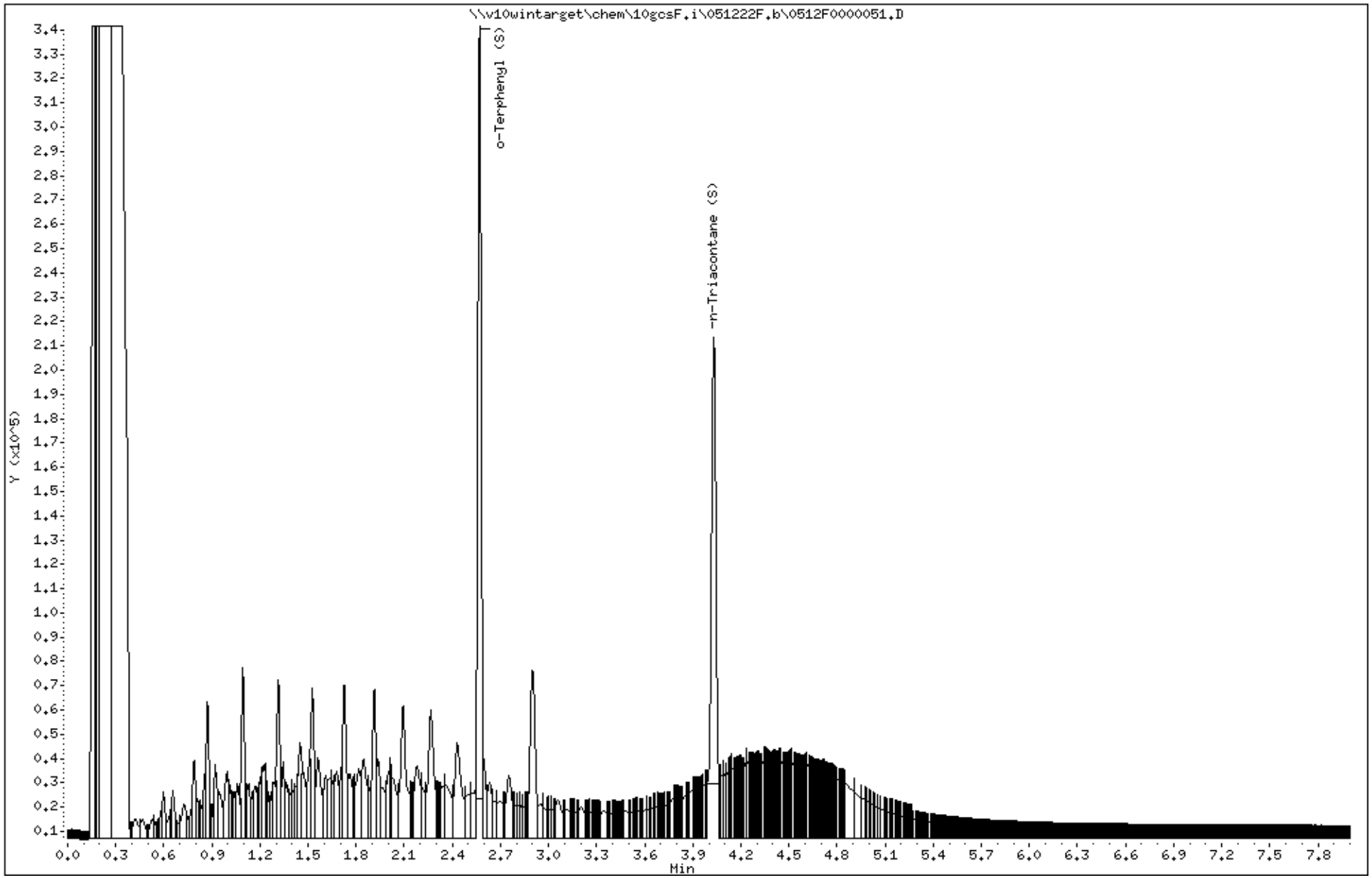
M - Compound response manually integrated.

Review Codes Legend

RNG: Indicates that the analyst integrated a surrogate within the range.
BA: Indicates that the baseline had to be adjusted correctly by the analyst.

Data File: \\v10wintarget\chem\10gcsF.i\051222F.b\0512F0000051.D
Date : 12-MAY-2022 23:30
Client ID: DMO-CCV,363721:2
Sample Info: DMO-CCV,363721:2

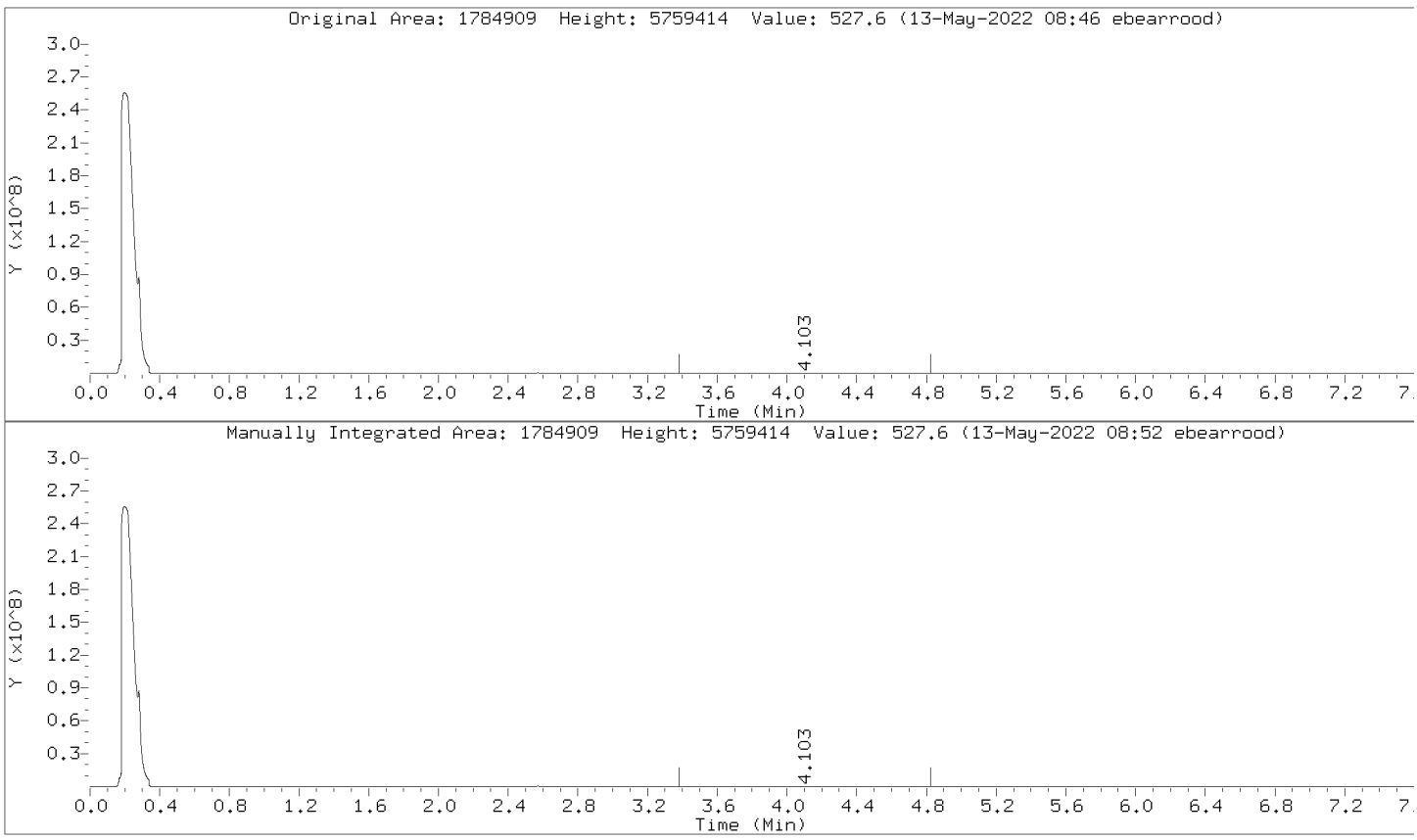
Instrument: 10gcsF.i
Operator: EB3
Column phase: DB-5-US21390001
Column diameter: 0.32



357 of 1506
270 of 723
10606565

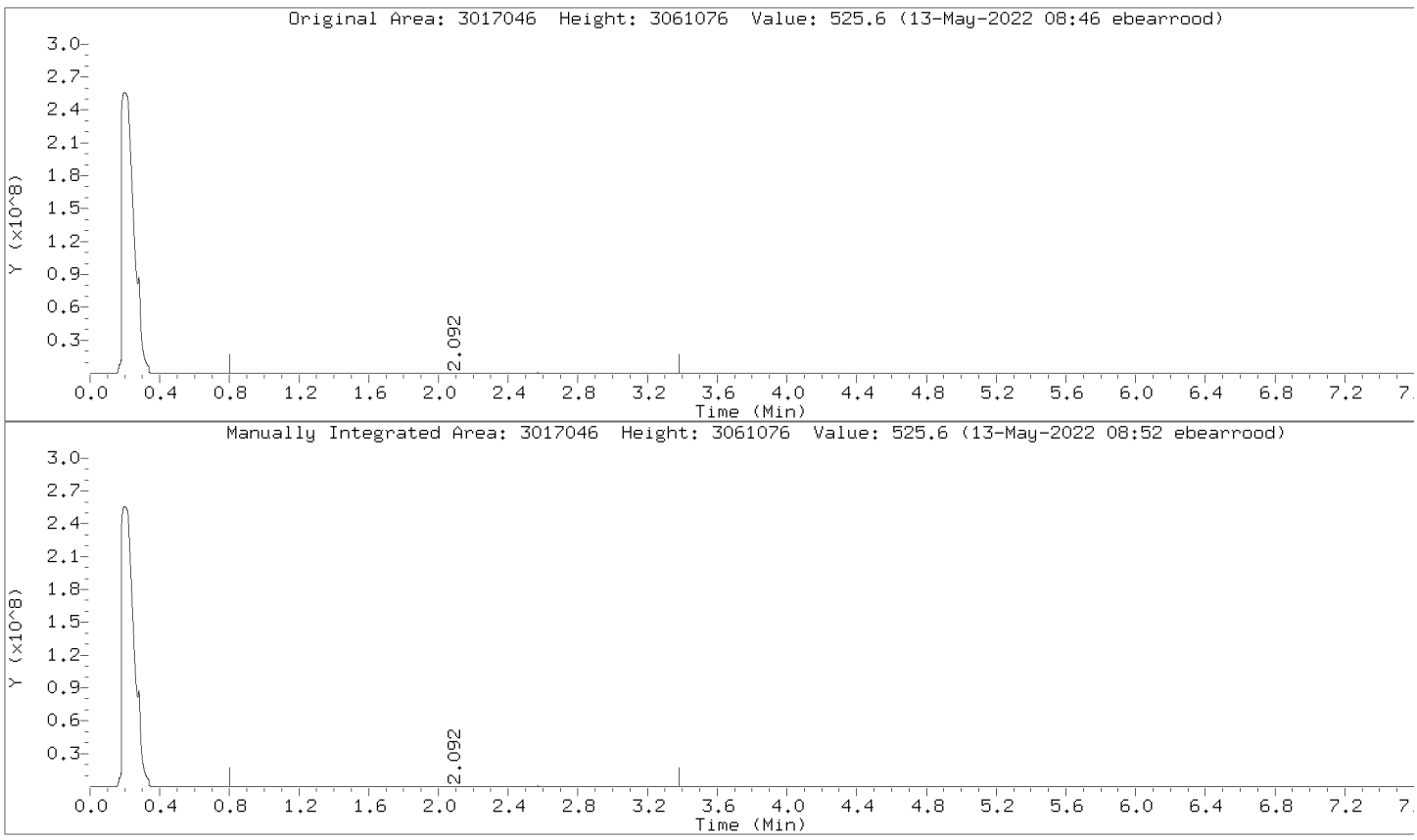
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Residual Range Organics AK103 Review Code: RNG
CAS Number:



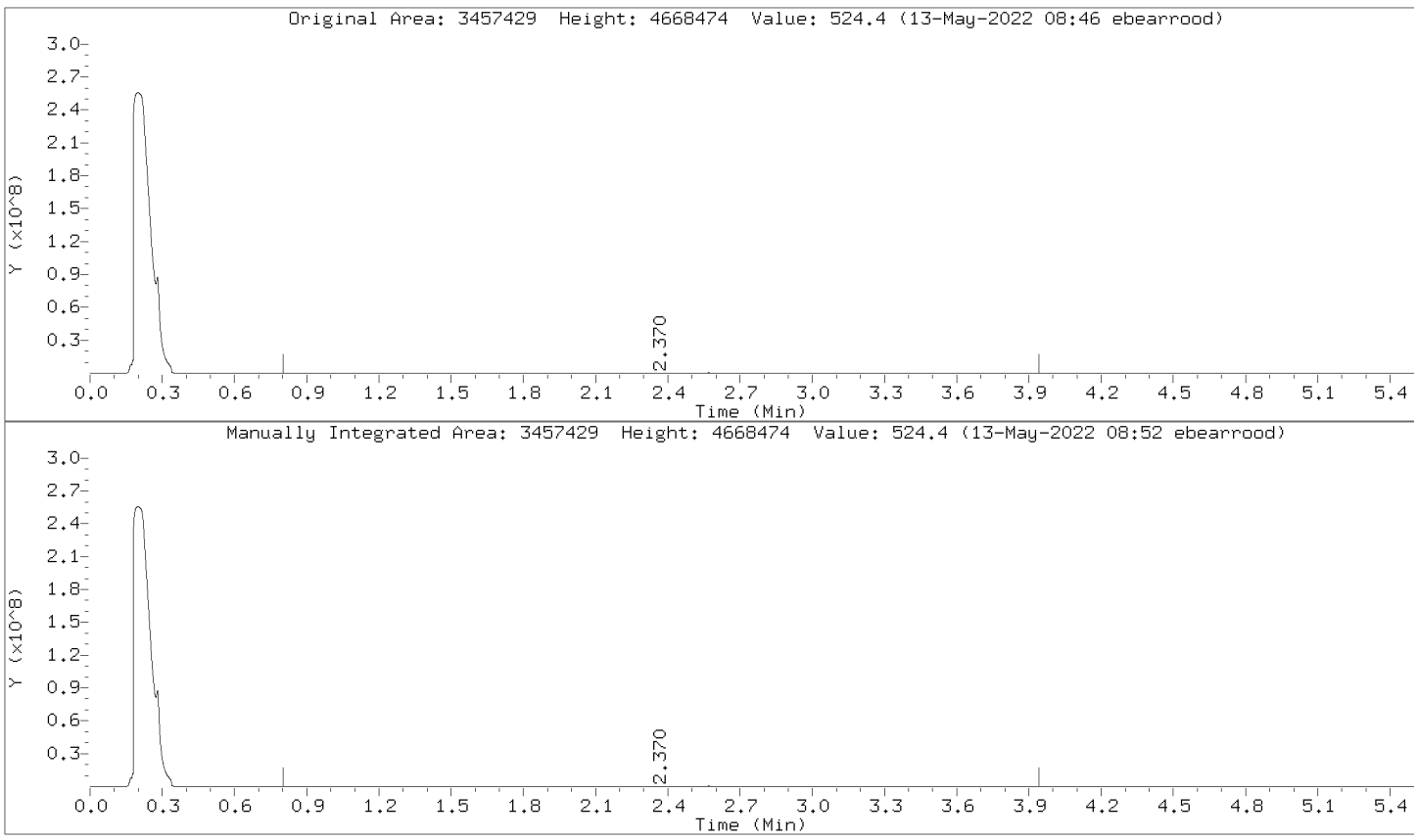
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: DRO by AK 102 Review Code: RNG
CAS Number:



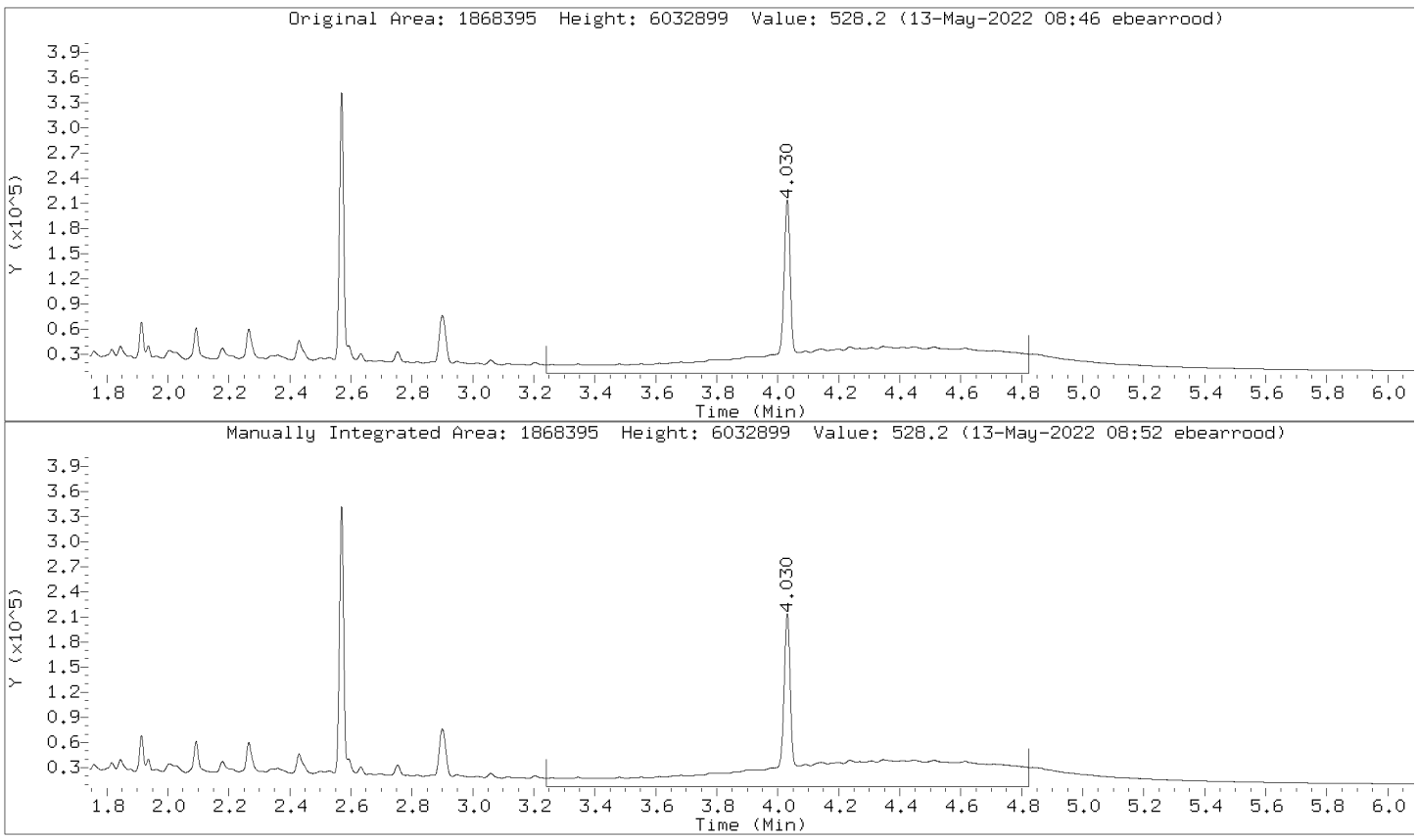
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: TPH-DRO (C10-C28) Review Code: RNG
CAS Number:



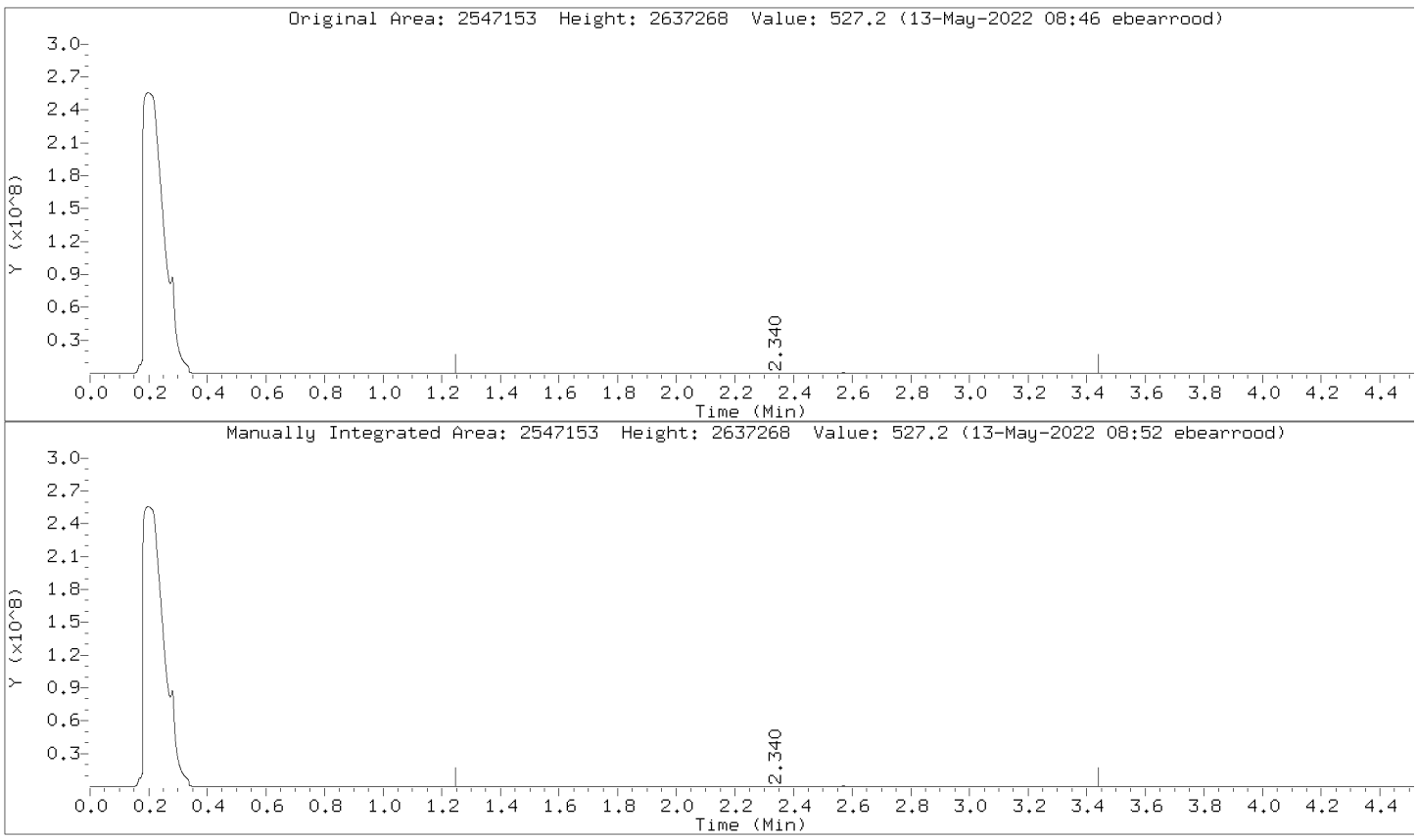
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range (C24-C36) Review Code: RNG
CAS Number:



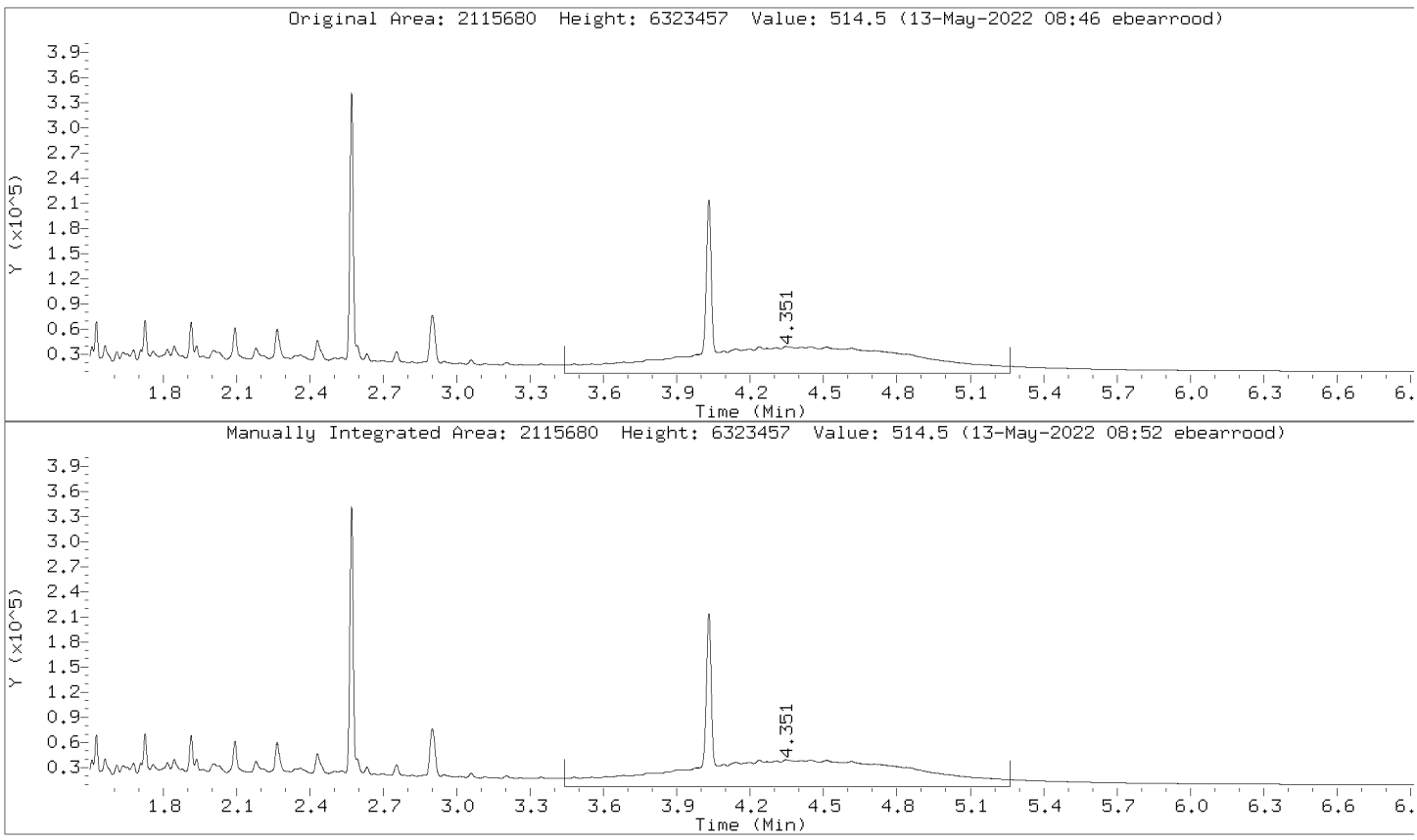
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



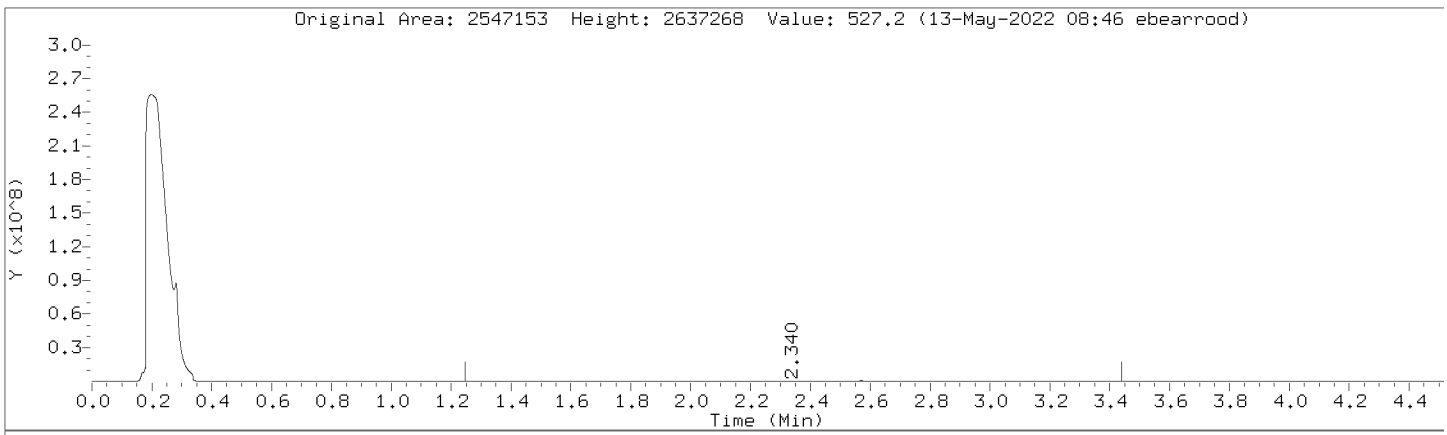
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

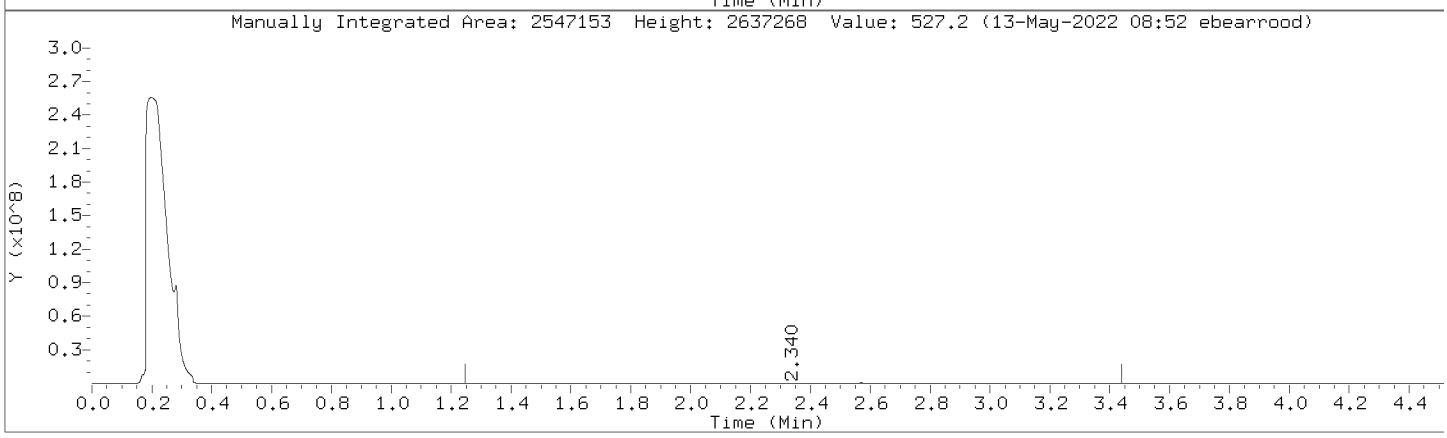
Compound: Motor Oil Range Review Code: RNG
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

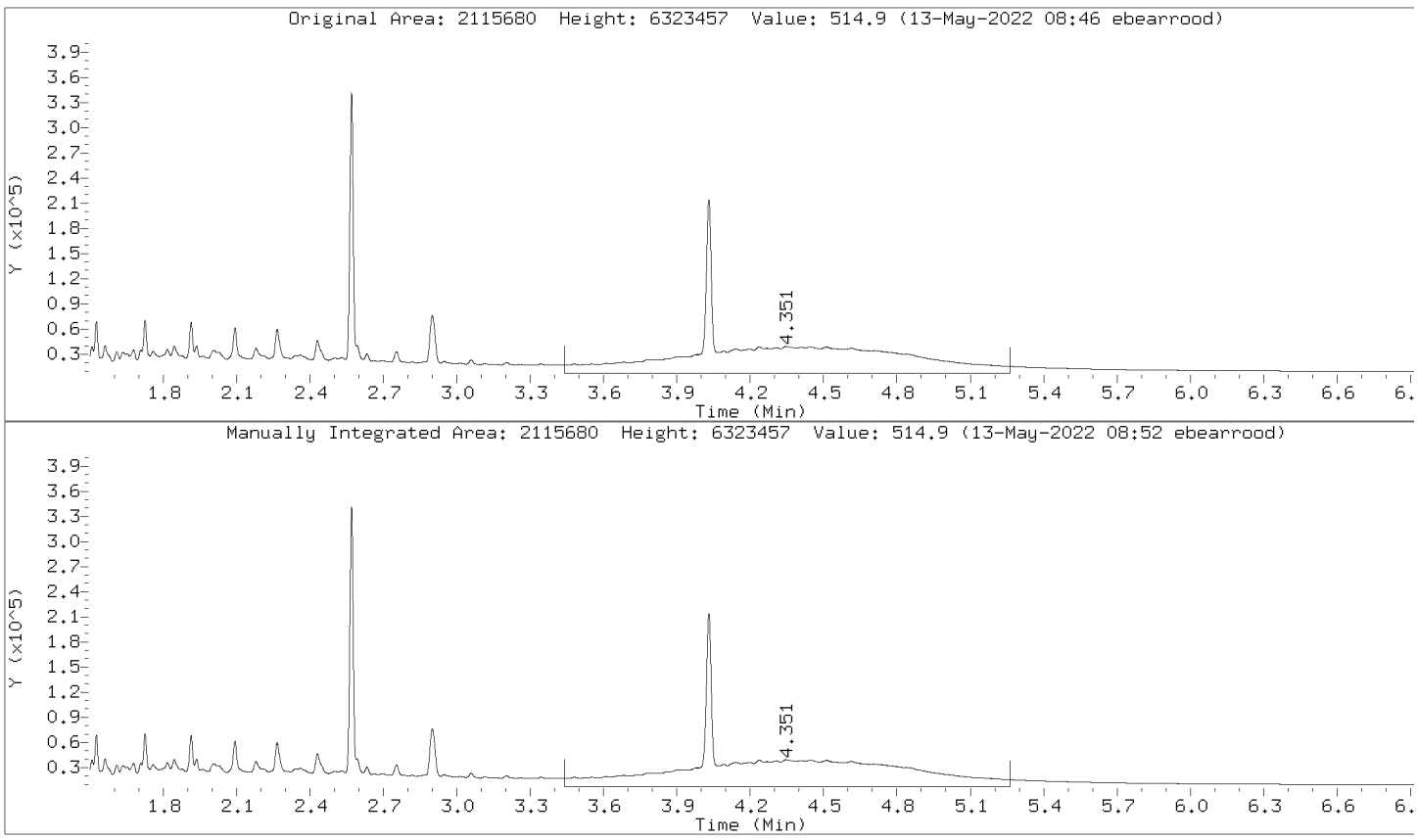
Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:





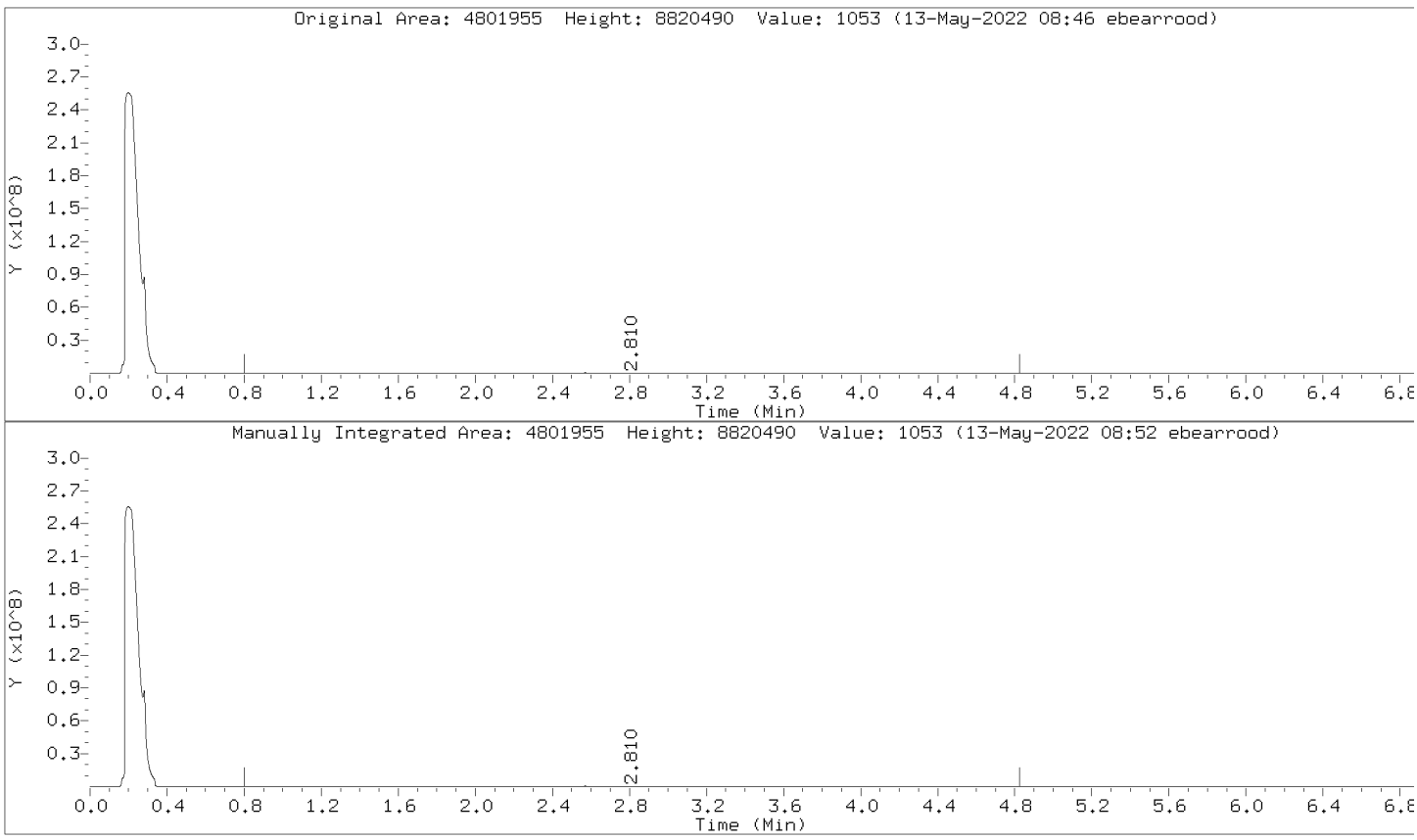
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



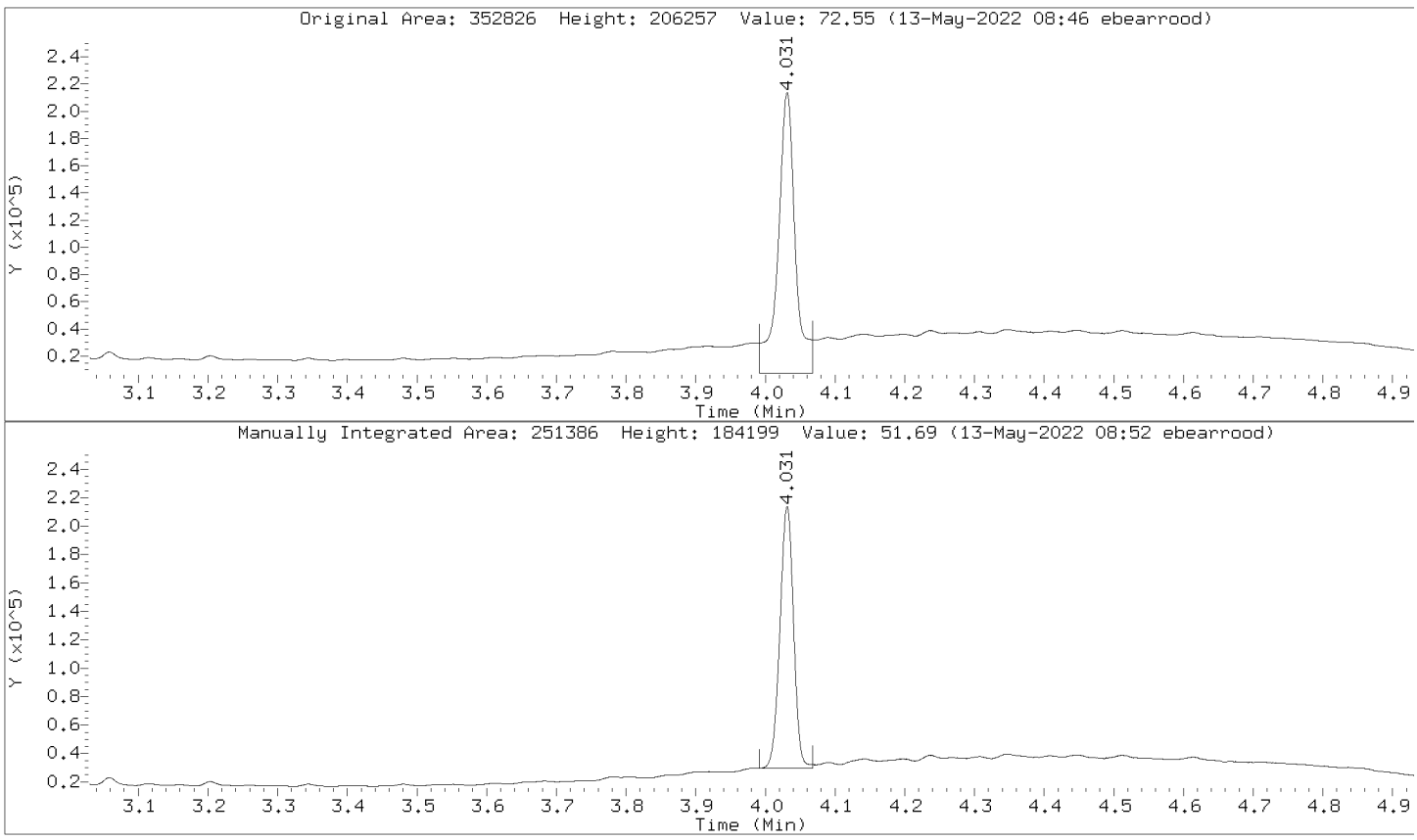
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: C10-C36 Review Code: RNG
CAS Number:



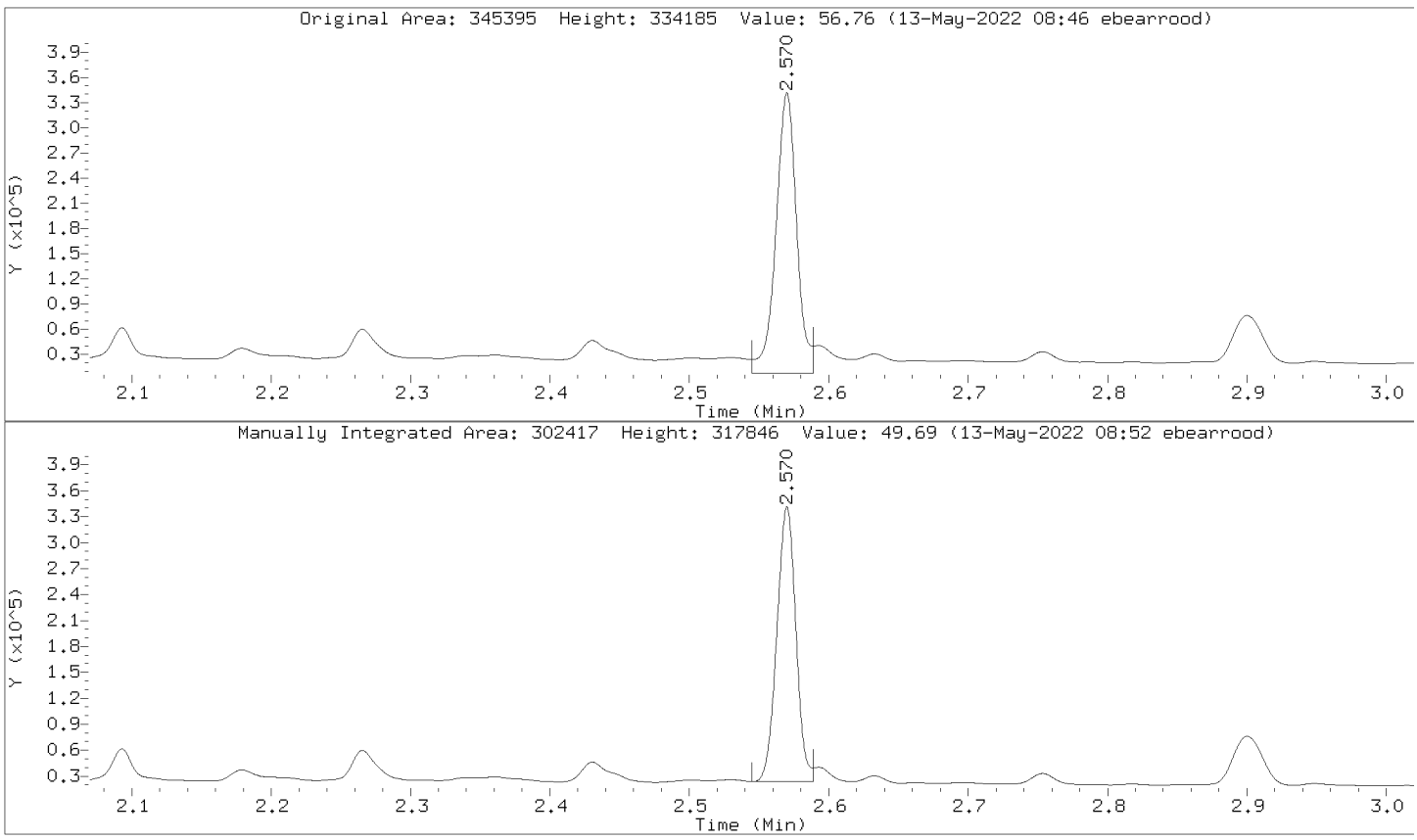
Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051222F.b/0512F0000051.D
Injection Date: 12-MAY-2022 23:30
Instrument: 10gcsF.i
Lab Sample ID: DMO-CCV,363721:2

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Residual Range Organics AK103	1784909	1784909
DRO by AK 102	3017046	3017046
TPH-DRO (C10-C28)	3457429	3457429
Motor Oil Range (C24-C36)	1868395	1868395
Diesel Fuel Range	2547153	2547153
Motor Oil Range	2115680	2115680
Diesel Fuel Range SG	2547153	2547153
Motor Oil Range SG	2115680	2115680
C10-C36	4801955	4801955
n-Triacontane (S)	352826	251386
o-Terphenyl (S)	345395	302417

SAMPLE NO.

BLANK

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received:
Matrix: Solid
SDG No.: 10606565
Date Extracted: 05/03/2022 17:14
Lab Sample ID: 4310214
Date Analyzed: 05/12/2022 01:04
Lab File ID: 051122F.B\0511F0000063.D
Initial wt/vol: 10 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 10GCSF
Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/kg	Q
68334-30-5	Diesel Fuel Range	ND	U
	Motor Oil Range	ND	U

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000063.D
Lab Smp Id: 4310214 Client Smp ID: MB
Inj Date : 12-MAY-2022 01:04
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 4310214
Misc Info : 39318
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 50 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: SOIL
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf*Vt/(Ws*Vi*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Ws	10.000	Weight of the sample extracted (g)
Vi	1.000	Volume Injected (uL)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (mg/Kg)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.568	2.568	0.000	276287	45.3998	4.54	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.027	4.028	-0.001	244422	50.2600	5.02	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		143544	7.43380	0.743	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		143544	7.90906	0.791	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		292017	6.53754	0.654	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		292017	6.53754	0.654	(M)	RNG

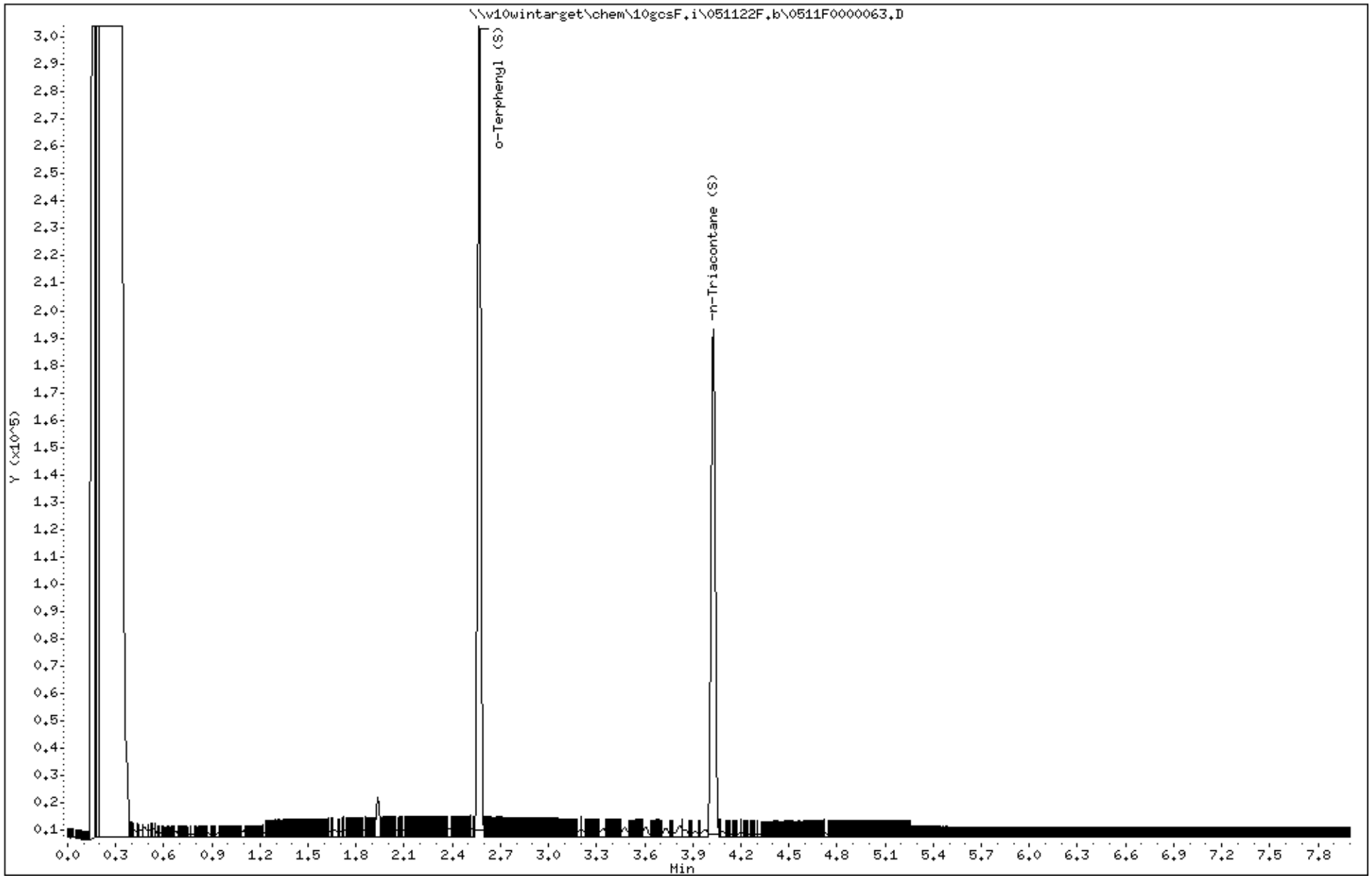
QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

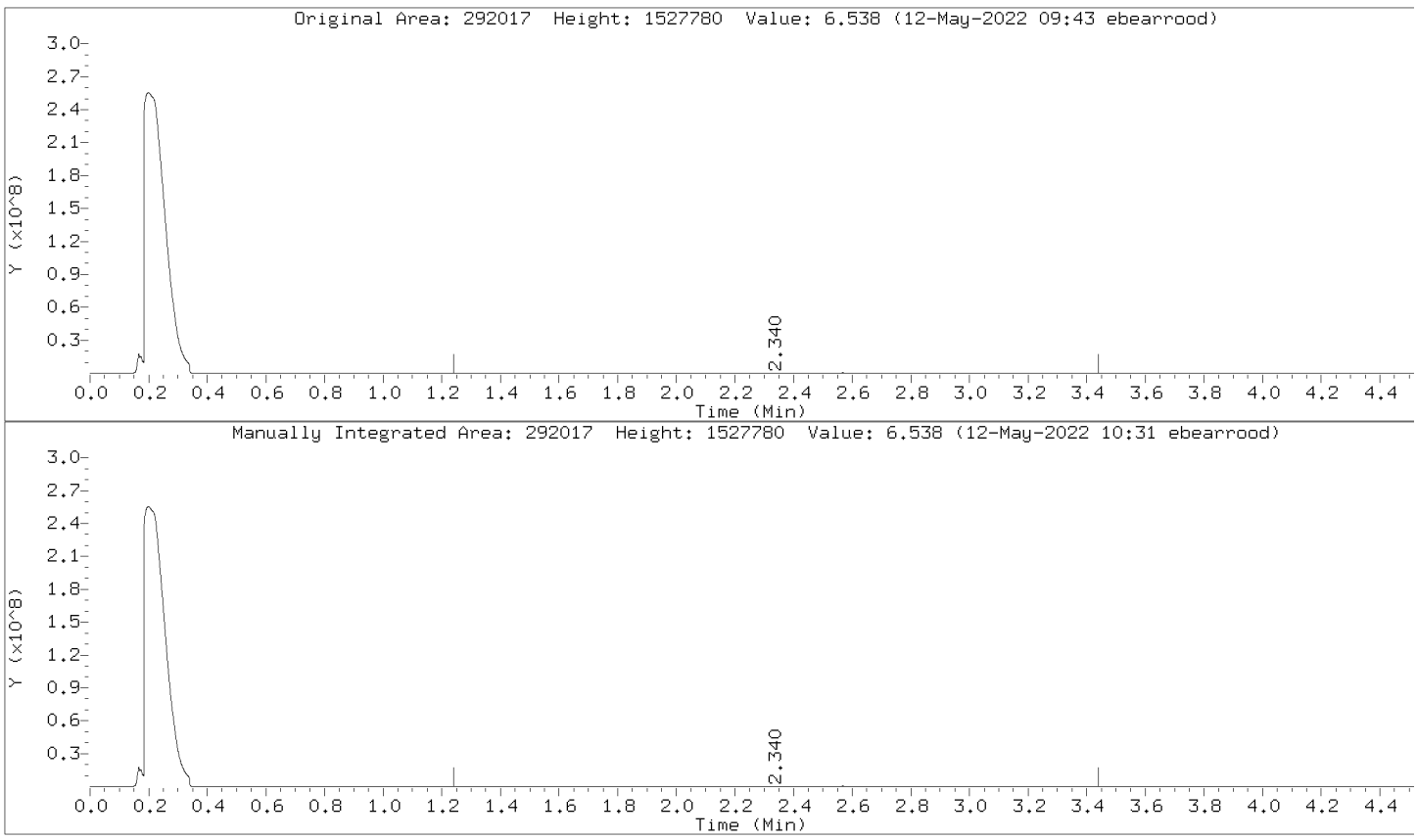
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000063.D
Date : 12-MAY-2022 01:04
Client ID: MB
Instrument: 10gcsF.i
Sample Info: 4310214
Volume Injected (uL): 1.0
Operator: EB3
Column phase: DB-5-US21390001
Column diameter: 0.32



372 of 1506
285 of 723
10606565

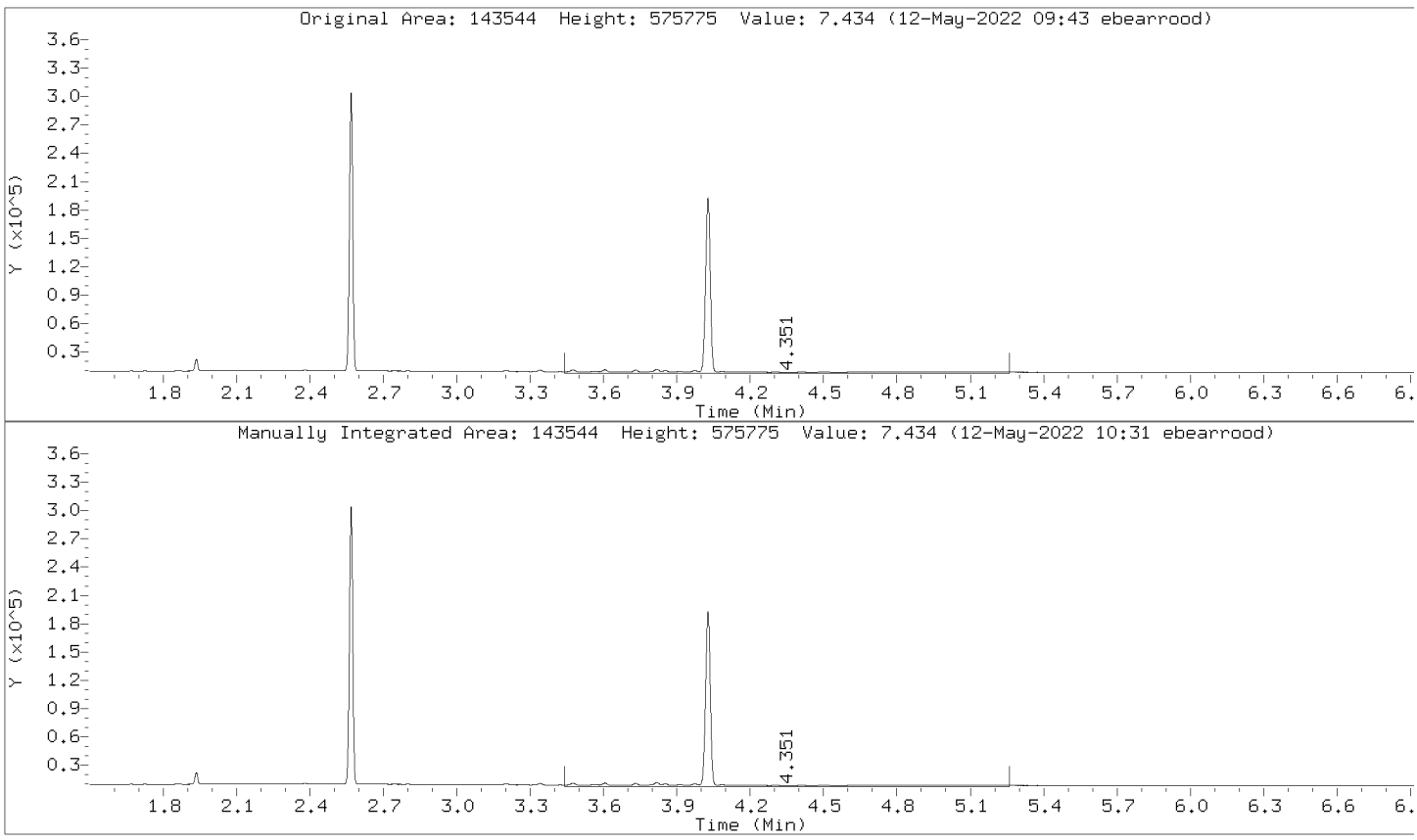
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000063.D
Injection Date: 12-MAY-2022 01:04
Instrument: 10gcsF.i
Lab Sample ID: 4310214

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



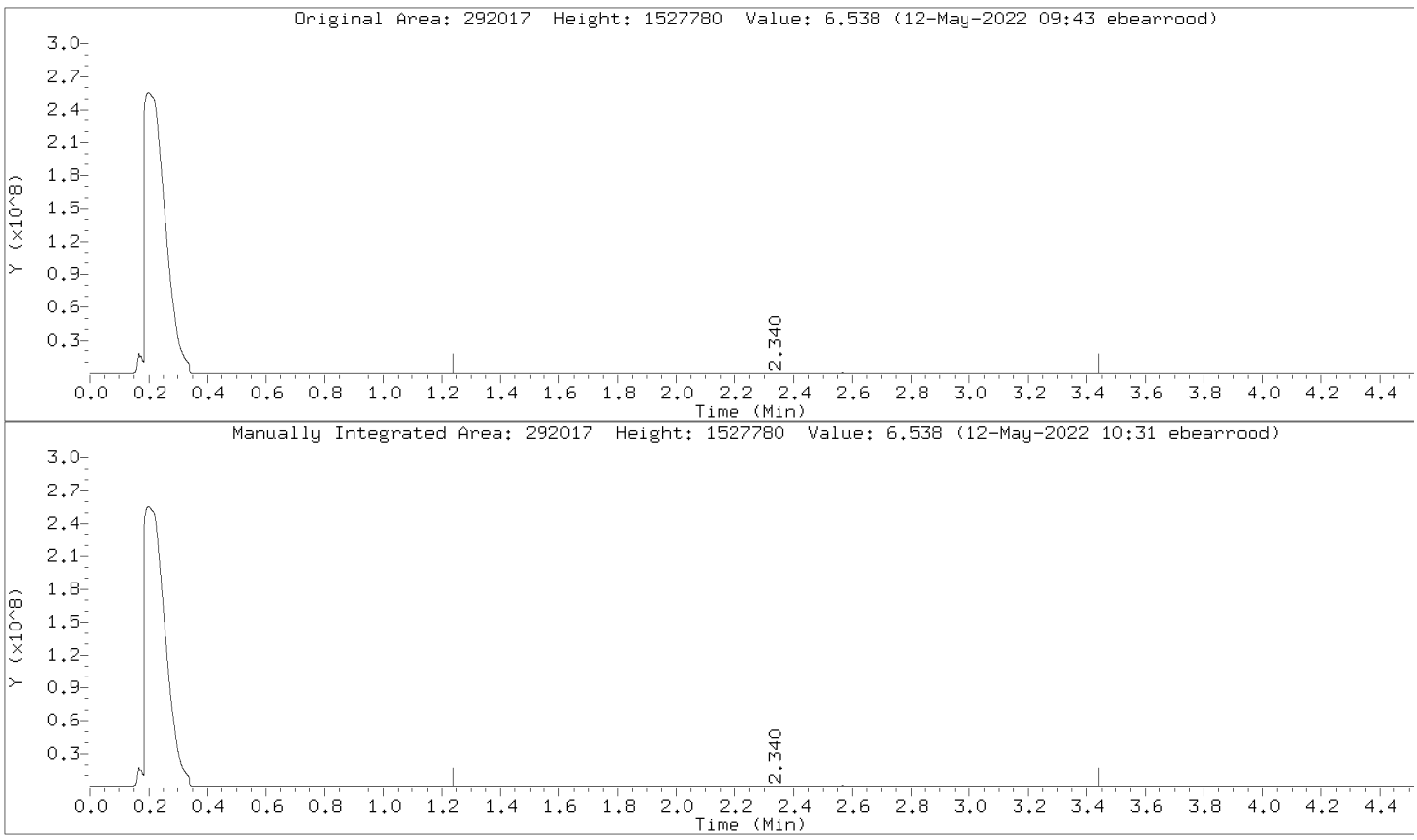
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000063.D
Injection Date: 12-MAY-2022 01:04
Instrument: 10gcsF.i
Lab Sample ID: 4310214

Compound: Motor Oil Range Review Code: RNG
CAS Number:



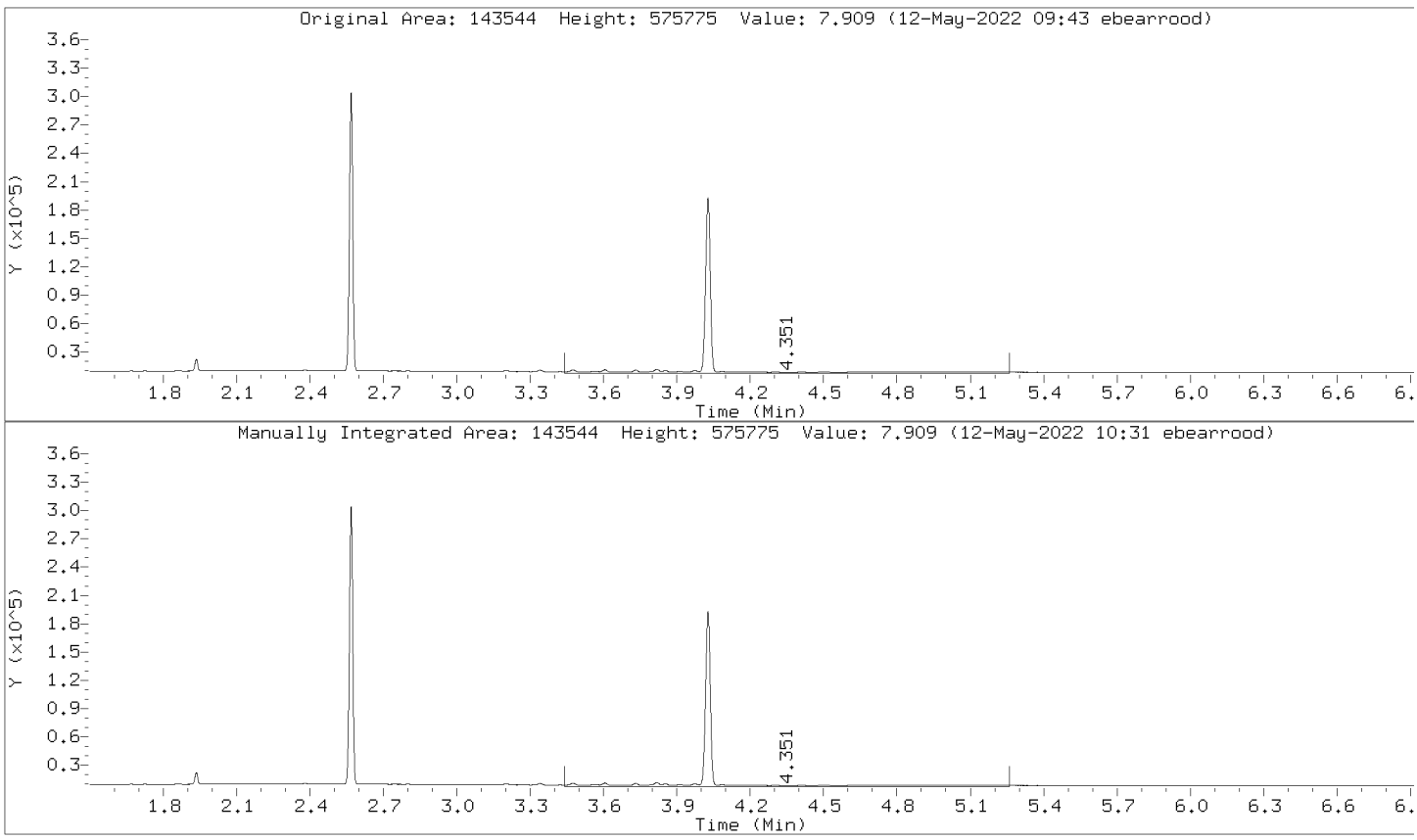
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000063.D
Injection Date: 12-MAY-2022 01:04
Instrument: 10gcsF.i
Lab Sample ID: 4310214

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



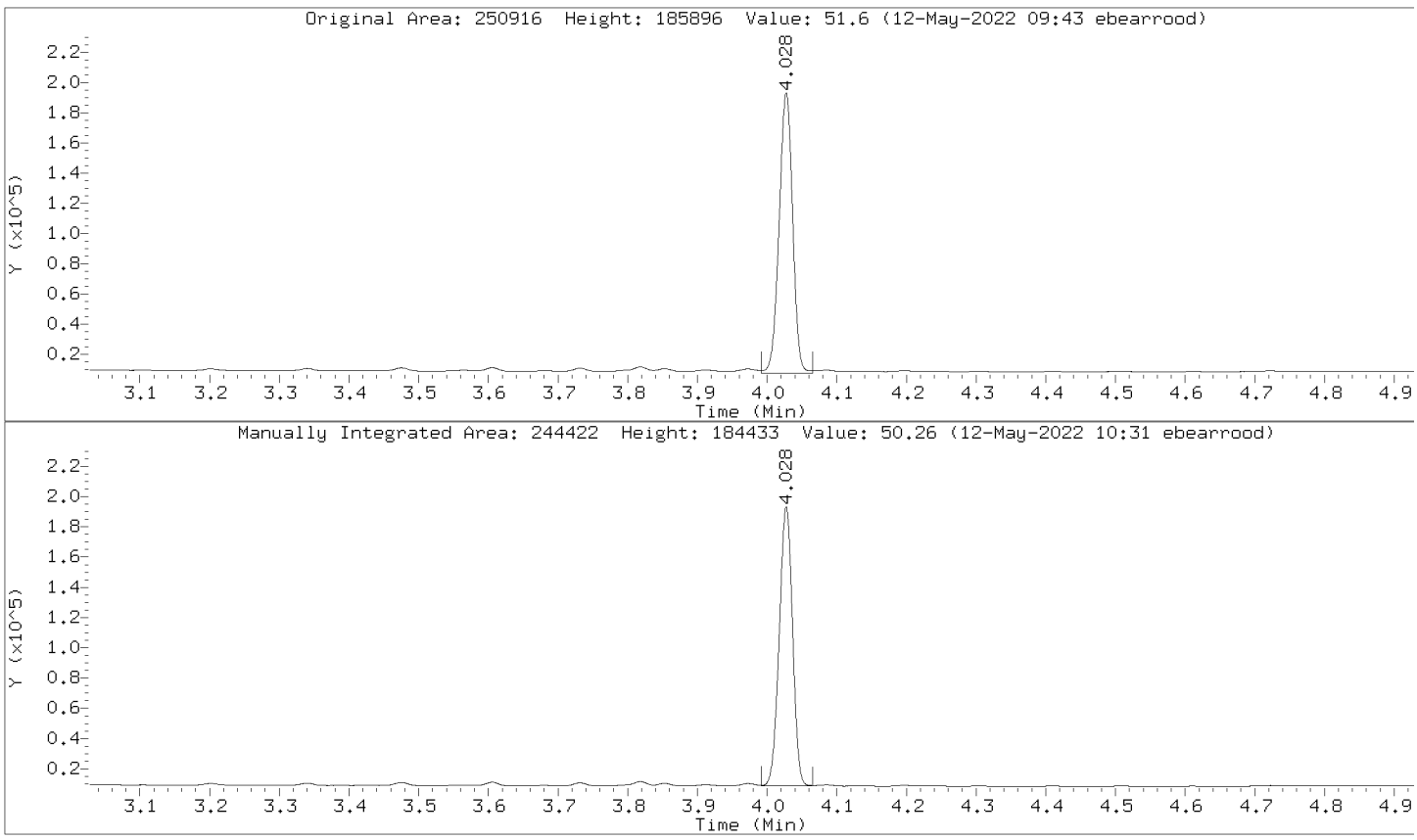
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000063.D
Injection Date: 12-MAY-2022 01:04
Instrument: 10gcsF.i
Lab Sample ID: 4310214

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



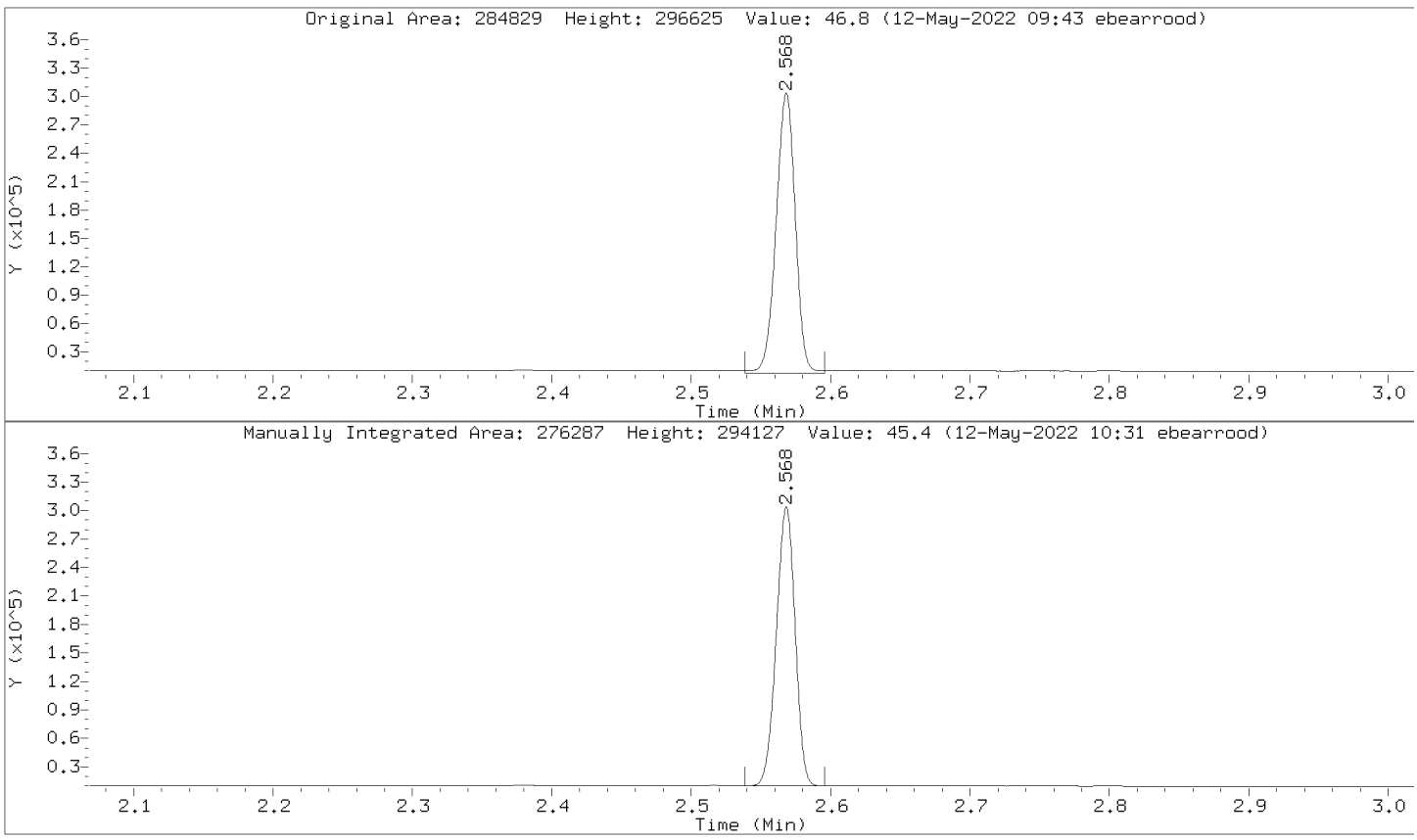
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000063.D
Injection Date: 12-MAY-2022 01:04
Instrument: 10gcsF.i
Lab Sample ID: 4310214

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000063.D
Injection Date: 12-MAY-2022 01:04
Instrument: 10gcsF.i
Lab Sample ID: 4310214

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	292017	292017
Motor Oil Range	143544	143544
Diesel Fuel Range SG	292017	292017
Motor Oil Range SG	143544	143544
n-Triacontane (S)	250916	244422
o-Terphenyl (S)	284829	276287

SAMPLE NO.

LCS

GC-FID DRO - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA

Lab Name: Pace Analytical - Minnesota
Contract: D3593500
Date Received:
Matrix: Solid
SDG No.: 10606565
Date Extracted: 05/03/2022 17:14
Lab Sample ID: 4310215
Date Analyzed: 05/12/2022 01:15
Lab File ID: 051122F.B\0511F0000064.D
Initial wt/vol: 10 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 10GCSF
Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/kg	Q
68334-30-5	Diesel Fuel Range	48.2	
	Motor Oil Range	47.7	

Pace Analytical Services, Inc.

AK 102/AK 103

Data file : \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000064.D
Lab Smp Id: 4310215 Client Smp ID: MBLCS
Inj Date : 12-MAY-2022 01:15
Operator : EB3 Inst ID: 10gcsF.i
Smp Info : 4310215
Misc Info : 39318
Comment : FID
Method : \\v10wintarget\chem\10gcsF.i\051122F.b\GCSFakNW8015-050922_3928
Meth Date : 12-May-2022 17:05 ebearrood Quant Type: ESTD
Cal Date : 09-MAY-2022 17:04 Cal File: 0509F0000033.D
Als bottle: 51 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: NwTPH.sub
Target Version: RC10A Sample Matrix: SOIL
Processing Host: W10MNLABS0070

Concentration Formula: Amt * DF * Uf*Vt/(Ws*Vi*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	ng on column unit factor
Vt	1000.000	Volume of final extract (uL)
Ws	10.000	Weight of the sample extracted (g)
Vi	1.000	Volume Injected (uL)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (mg/Kg)		REVIEW CODE
$ 2 o-Terphenyl (S)					CAS #:		
2.568	2.568	0.000	270482	44.4459	4.44	(M)	BA
$ 3 n-Triacontane (S)					CAS #:		
4.028	4.028	0.000	242363	49.8366	4.98	(M)	BA
S 10 Motor Oil Range					CAS #:		
3.441	- 5.260		1969537	476.966	47.7	(M)	RNG
S 11 Motor Oil Range SG					CAS #:		
3.441	- 5.260		1969537	477.358	47.7	(M)	RNG
S 8 Diesel Fuel Range					CAS #:		
1.240	- 3.440		2352509	482.231	48.2	(M)	RNG
S 9 Diesel Fuel Range SG					CAS #:		
1.240	- 3.440		2352509	482.231	48.2	(M)	RNG

QC Flag Legend

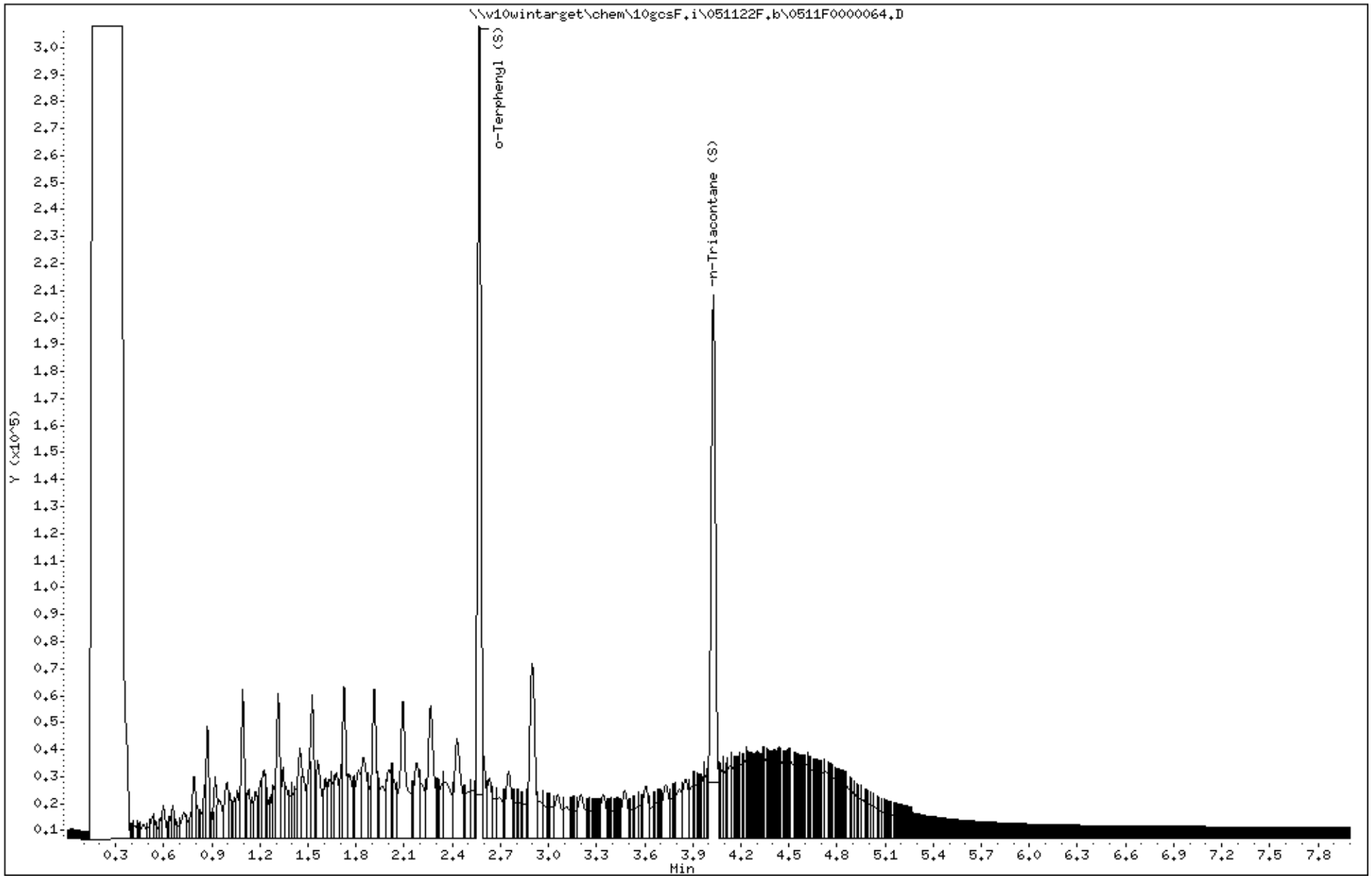
M - Compound response manually integrated.

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
RNG: Indicates that the analyst integrated a surrogate within the range.

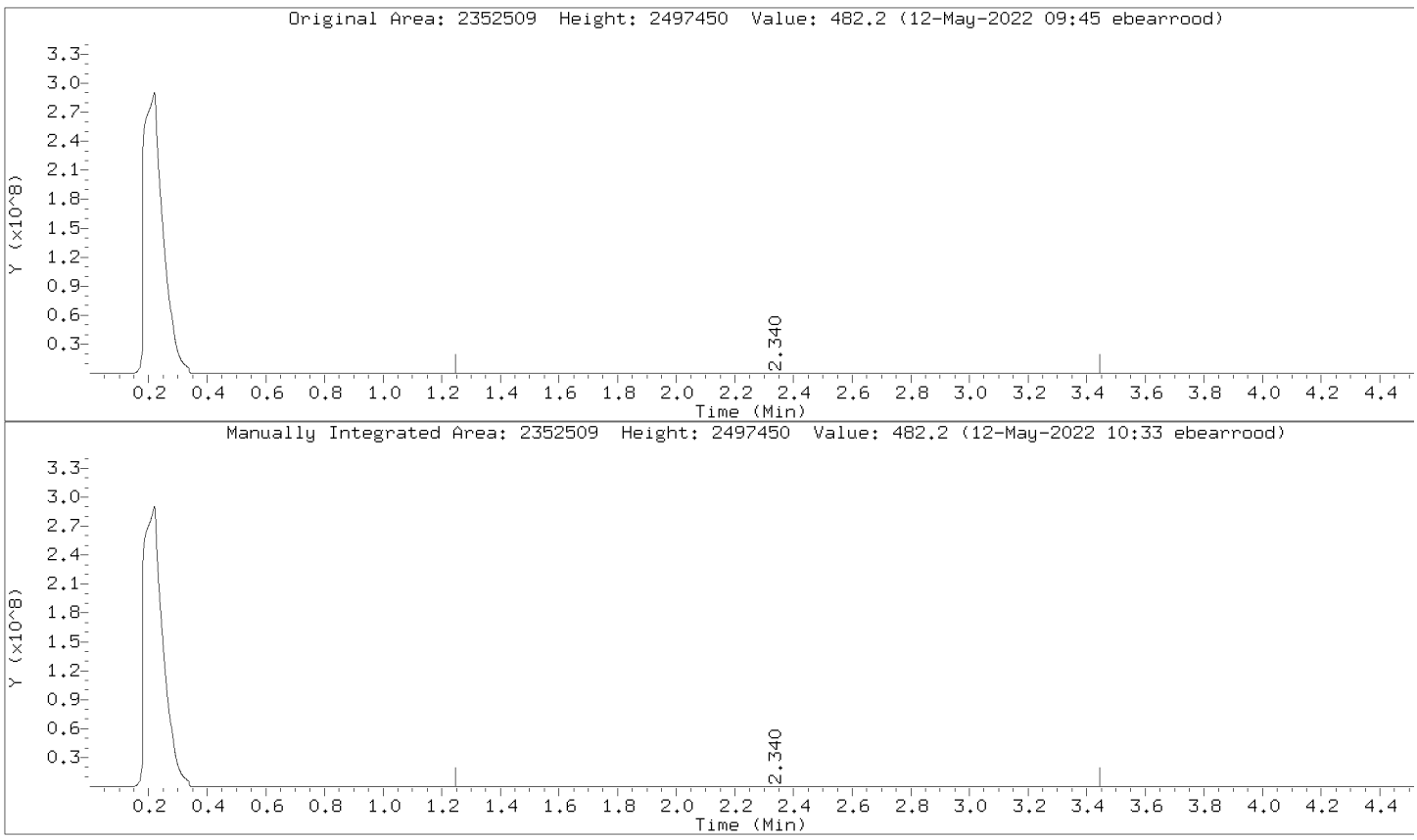
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b\0511F0000064.D
Date : 12-MAY-2022 01:15
Client ID: MBLCS
Sample Info: 4310215
Volume Injected (uL): 1.0
Column phase: DB-5-US21390001

Instrument: 10gcsF.i
Operator: EB3
Column diameter: 0.32



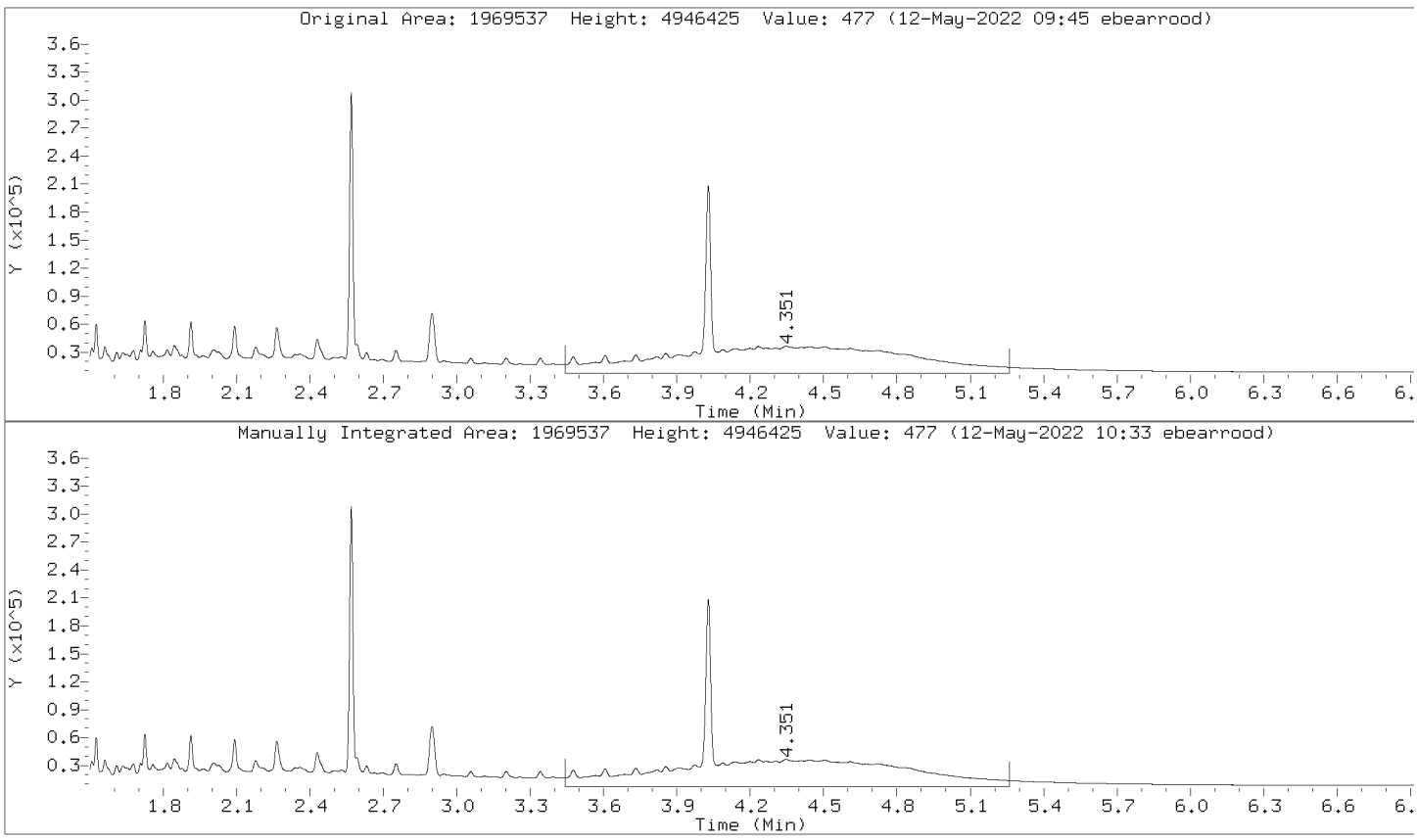
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000064.D
Injection Date: 12-MAY-2022 01:15
Instrument: 10gcsF.i
Lab Sample ID: 4310215

Compound: Diesel Fuel Range Review Code: RNG
CAS Number:



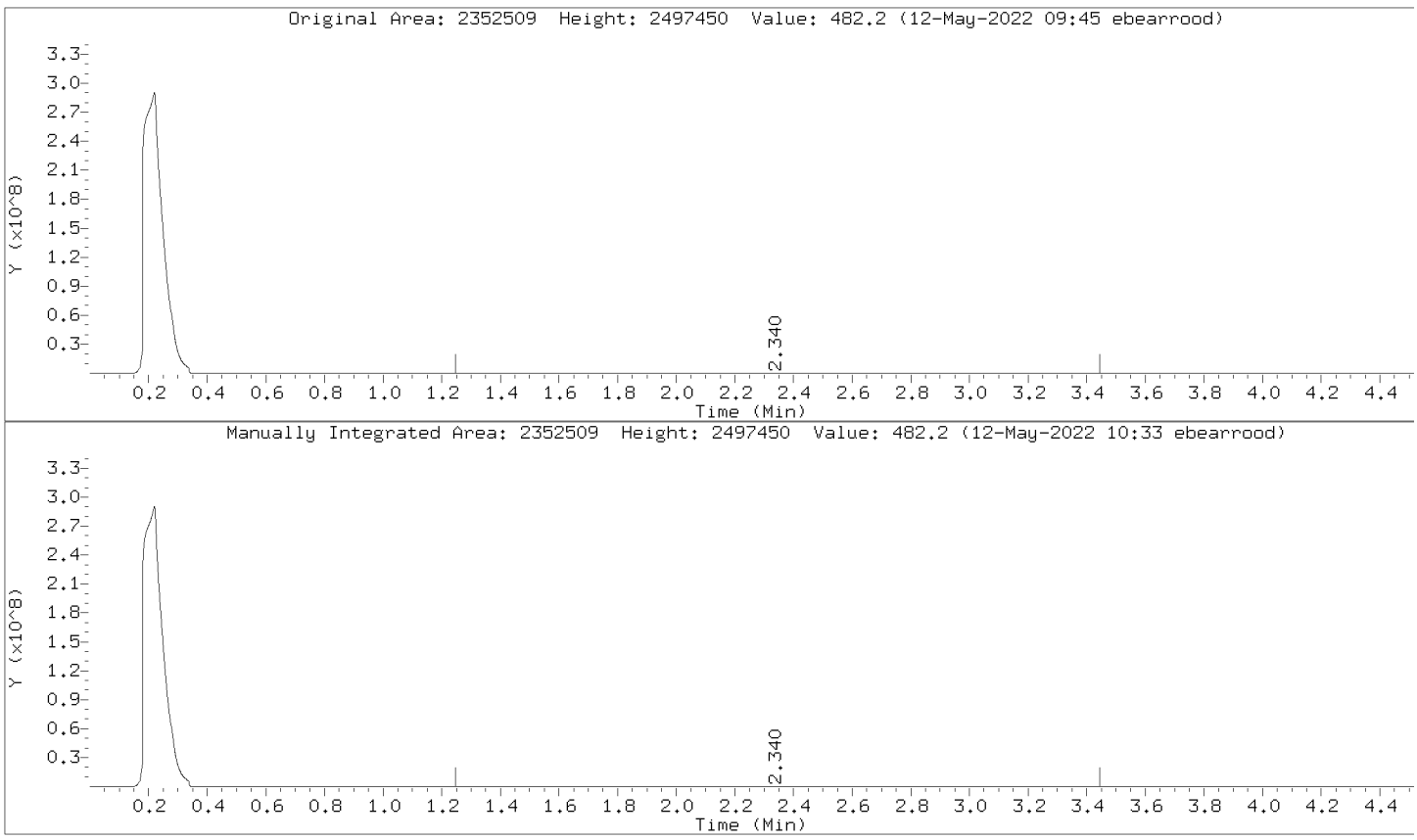
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000064.D
Injection Date: 12-MAY-2022 01:15
Instrument: 10gcsF.i
Lab Sample ID: 4310215

Compound: Motor Oil Range Review Code: RNG
CAS Number:



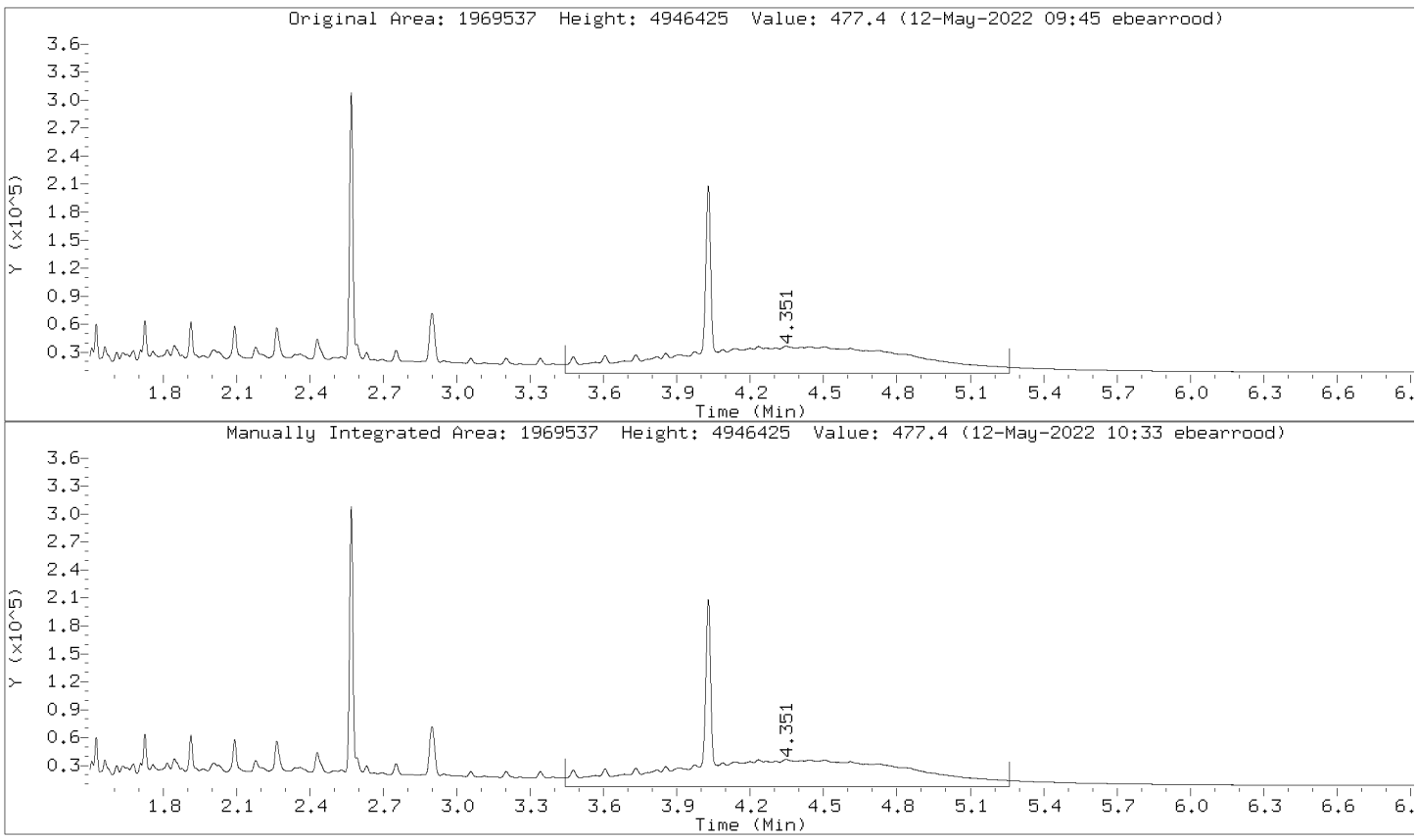
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000064.D
Injection Date: 12-MAY-2022 01:15
Instrument: 10gcsF.i
Lab Sample ID: 4310215

Compound: Diesel Fuel Range SG Review Code: RNG
CAS Number:



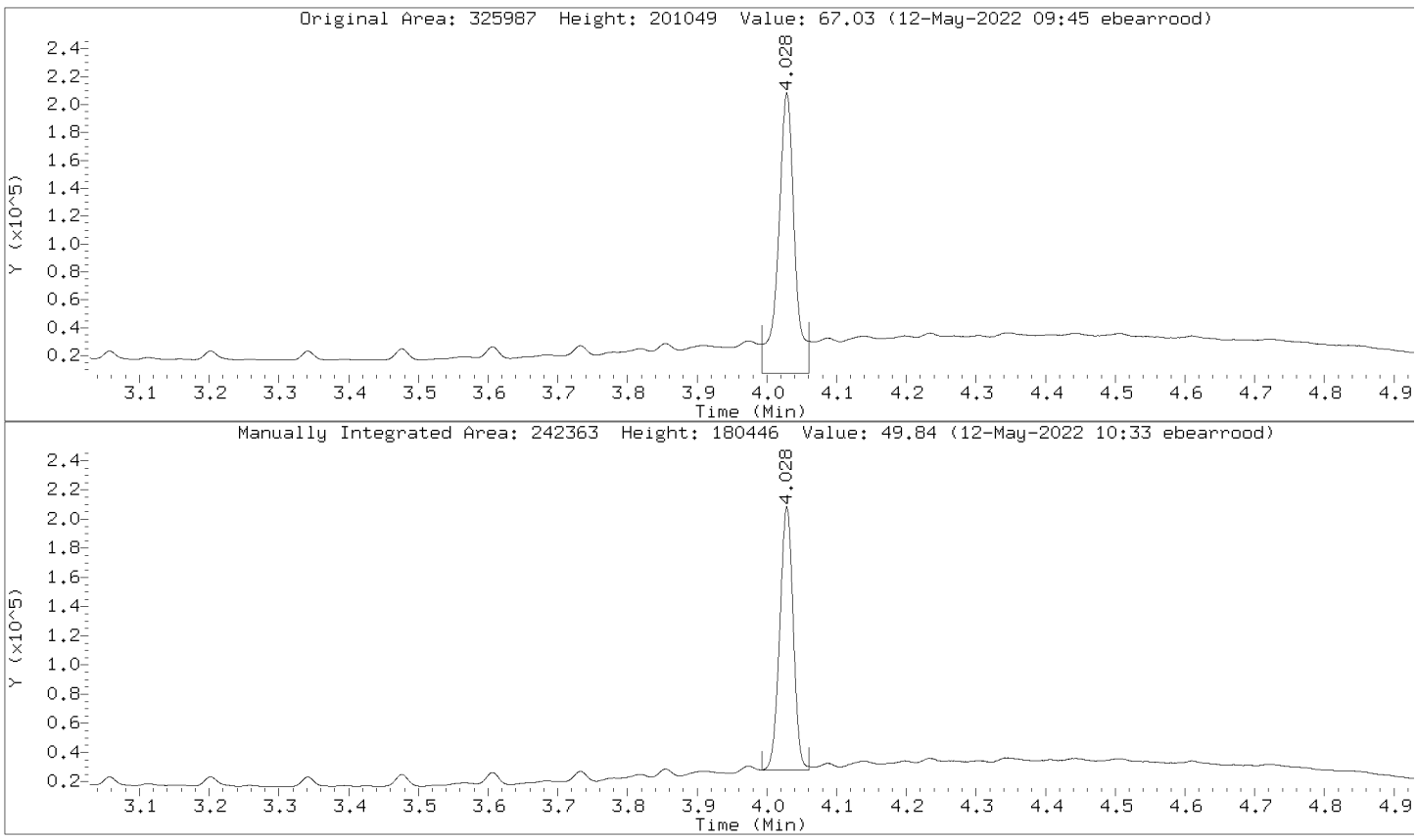
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000064.D
Injection Date: 12-MAY-2022 01:15
Instrument: 10gcsF.i
Lab Sample ID: 4310215

Compound: Motor Oil Range SG Review Code: RNG
CAS Number:



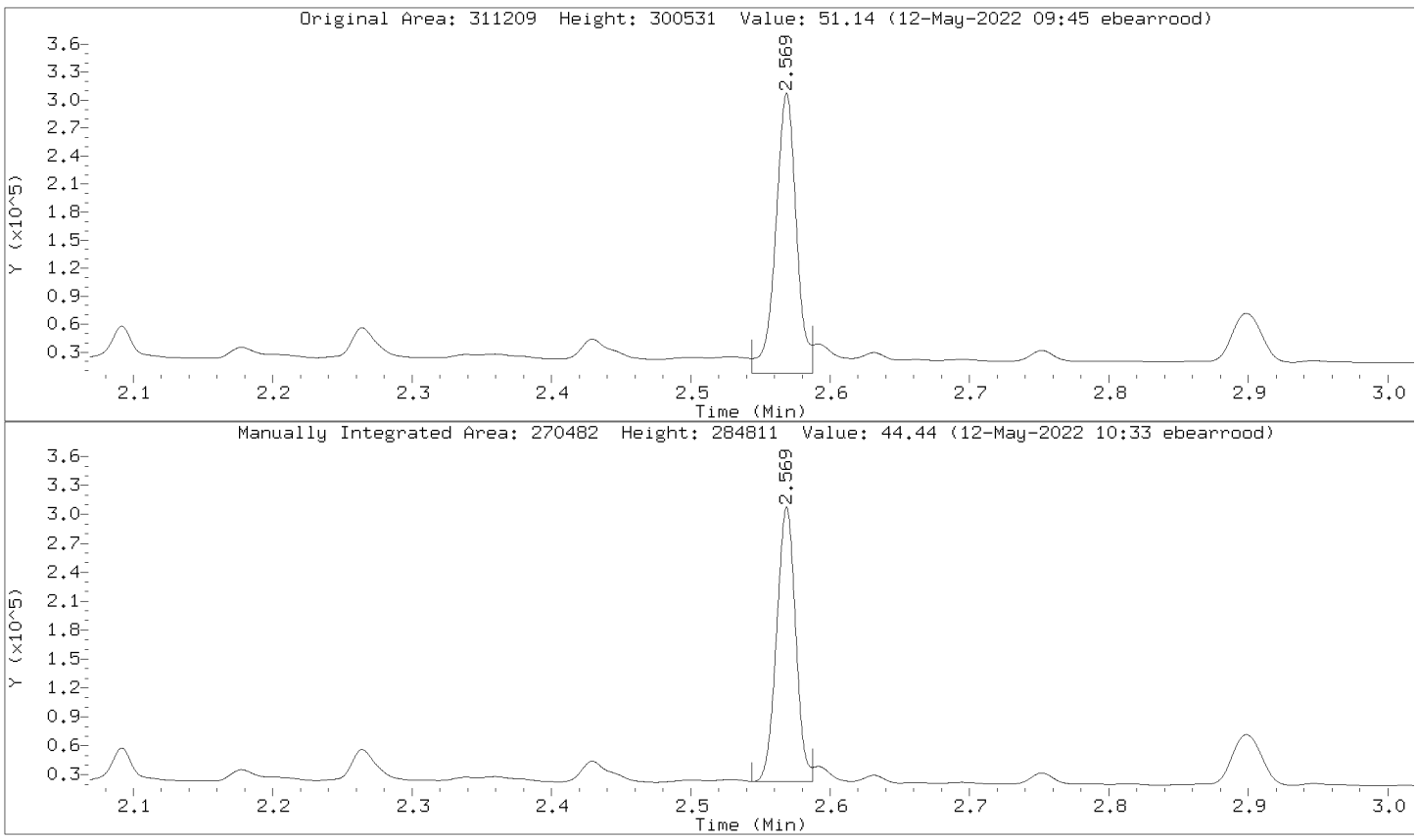
Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000064.D
Injection Date: 12-MAY-2022 01:15
Instrument: 10gcsF.i
Lab Sample ID: 4310215

Compound: n-Triacontane (S) Review Code: BA
CAS Number:



Data File: \\v10wintarget\chem\10gcsF.i\051122F.b/0511F0000064.D
Injection Date: 12-MAY-2022 01:15
Instrument: 10gcsF.i
Lab Sample ID: 4310215

Compound: o-Terphenyl (S) Review Code: BA
CAS Number:



Manually Integrated Compounds

Compound	Area (before)	Area (after)
Diesel Fuel Range	2352509	2352509
Motor Oil Range	1969537	1969537
Diesel Fuel Range SG	2352509	2352509
Motor Oil Range SG	1969537	1969537
n-Triacontane (S)	325987	242363
o-Terphenyl (S)	311209	270482

Prep Log Report

Batch Information: OEXT 64533 812903 NWDROS

Template Version: ENV-EPL-MIN4-0072-Rev.00 (03Jan2021)

Prep Method	EPA 3550	Analysis Method	NWTPH-Dx	Prepared By	ACV	Extracted Date/Time	05/03/2022 17:14:21:670
Instrument	10BALV	Calibrated	Yes	Sonicator Tune Date	05/03/2022 12:40:35:114	Spiked By	ACV
Dispenser ID 1	Q617	Dispenser ID 2		Syringe ID 1	Q418	Syringe ID 2	Q627
Syringe ID 3		Pipette ID 1	PP1-42	Conc. Method	WaterBath	Concentrated By	VH
Concentration Date/Time	05/04/2022	Methylene Chloride	362509	MeCl/Acetone 80:20	363928	Ottawa Sand	357927
Sodium Sulfate	355640-06	Glass Wool	363836	Gravity Filters	None Added	Vial Lot #	22025312
Reviewed By	RS	Reviewed By Date	05/05/2022 06:06	Batch Notes	Syringe Q826		

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	Matrix	Sample ID Verified By	Spike Verified By	Container + Sample Wt (g)	Container Wt (g)	Initial Amount (g | mL | wipe)	Final Volume (mL)	Sonicator ID	Water Bath ID	Water Bath Thermo ID	Correction Factor
NWDROS_P	BLANK	**4310214**	Y	Solid	scanner	No one to verify			10	1		10OP29	210745396	1
NWDROS_P	LCS	**4310215**	Y	Solid	scanner	No one to verify			10	1		10OP29	210745396	1
NWDROS_P	PS	**10606560001**	Y	Solid	scanner	No one to verify			10.11	1		10OP29	210745396	1
NWDROS_P	PS	**10606560002**	Y	Solid	scanner	No one to verify			10.05	1		10OP29	210745396	1
NWDROS_P	RQS	**10606560003**	Y	Solid	scanner	No one to verify			10.09	1		10OP29	210745396	1
NWDROS_P	MS	**4310216**	Y	Solid	scanner	No one to verify			10.02	1		10OP29	210745396	1
NWDROS_P	MSD	**4310217**	Y	Solid	scanner	No one to verify			10.03	1		10OP29	210745396	1
NWDROS_P	PS	**10606565001**	Y	Solid	scanner	No one to verify			10.07	1		10OP29	210745396	1
NWDROS_P	PS	**10606565002**	Y	Solid	scanner	No one to verify			10.01	1		10OP29	210745396	1
NWDROS_P	PS	**10606565003**	Y	Solid	scanner	No one to verify			10.05	1		10OP29	210745396	1
NWDROS_P	PS	**10606565004**	Y	Solid	scanner	No one to verify			10.02	1		10OP29	210745396	1
NWDROS_P	PS	**10606565005**	Y	Solid	scanner	No one to verify			10.06	1		10OP29	210745396	1
NWDROS_P	PS	**10606565006**	Y	Solid	scanner	No one to verify			10.08	1		10OP29	210745396	1

Prep Log Report

QC Rule	Sample Type	Lab Sample ID	Water Bath Temp | Corr (C)	Sample Notes	DMO-SPK (uL)	ntcs-SS (uL)	oter-SS (uL)
NWDROS_P	BLANK	**4310214**	98.00 | 99.00			360523 (10)	356212 (25)
NWDROS_P	LCS	**4310215**	98.00 | 99.00		358262 (250)	360523 (10)	356212 (25)
NWDROS_P	PS	**10606560001**	98.00 | 99.00	2*		360523 (10)	356212 (25)
NWDROS_P	PS	**10606560002**	98.00 | 99.00	1*		360523 (10)	356212 (25)
NWDROS_P	RQS	**10606560003**	98.00 | 99.00	2*		360523 (10)	356212 (25)
NWDROS_P	MS	**4310216**	98.00 | 99.00	2*	358262 (250)	360523 (10)	356212 (25)
NWDROS_P	MSD	**4310217**	98.00 | 99.00	2*	358262 (250)	360523 (10)	356212 (25)
NWDROS_P	PS	**10606565001**	98.00 | 99.00	2*		360523 (10)	356212 (25)
NWDROS_P	PS	**10606565002**	98.00 | 99.00	1*		360523 (10)	356212 (25)
NWDROS_P	PS	**10606565003**	98.00 | 99.00	1*		360523 (10)	356212 (25)
NWDROS_P	PS	**10606565004**	98.00 | 99.00	1*		360523 (10)	356212 (25)
NWDROS_P	PS	**10606565005**	98.00 | 99.00	2*		360523 (10)	356212 (25)
NWDROS_P	PS	**10606565006**	98.00 | 99.00	2*		360523 (10)	356212 (25)

Sample Notes:

1*: decant standing water, wet sample

2*: wet sample

Standard Notes:

356212: received 03/14/22

360523: Recieved 4/11/22

Pace Analytical™

Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot: NA

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0509F0000001.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 09:51	TT2	
0509F0000002.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:02	TT2	
0509F0000003.D	DMO-RTM,362402	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:14	TT2	rr pressure leak
0509F0000004.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:35	TT2	
0509F0000005.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:47	TT2	
0509F0000006.D	DMO-RTM,362402	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 10:59	TT2	
0509F0000007.D	DMO-CAL1,364979	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:10	TT2	
0509F0000008.D	DMO-CAL2,364980	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:22	TT2	
0509F0000009.D	DMO-CAL3,364981	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:33	TT2	Pass 30% for all target analytes
0509F0000010.D	DMO-CAL4,364982	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:45	TT2	Pass 40% for all target analytes
0509F0000011.D	DMO-CAL5,364983	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 11:56	TT2	Pass 40% for all target analytes
0509F0000012.D	DMO-CAL6,364984	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:08	TT2	
0509F0000013.D	DMO-CAL7,364985	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:20	TT2	
0509F0000014.D	DMO-CAL8,364986	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:31	TT2	
0509F0000015.D	DMO-CAL9,364987	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:43	TT2	
0509F0000016.D	DMO-CAL10,364988	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 12:54	TT2	ICAL Passing
0509F0000017.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 13:06	TT2	
0509F0000018.D	DMO-ICV,364989	/39289	CCal	1		GCSFAKNW8015-050922_	5/09/22 13:18	TT2	Failing made wrong
0509F0000019.D	PBLK,363301	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 13:29	TT2	
0509F0000020.D	DMO-ICV,355155	/39289	CCal	1		GCSFAKNW8015-050922_	5/09/22 14:13	TT2	possibly conc out.
0509F0000021.D	PBLK,363301	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 14:24	TT2	
0509F0000022.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 14:57	TT2	
0509F0000023.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 15:08	TT2	
0509F0000024.D	DMO-CAL1,364979	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 15:19	TT2	Drop CAL1
0509F0000025.D	DMO-CAL2,364980	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 15:31	TT2	
0509F0000026.D	DMO-CAL3,364981	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 15:43	TT2	Pass 30% for all target analytes
0509F0000027.D	DMO-CAL4,364982	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 15:54	TT2	Pass 40% for all target analytes
0509F0000028.D	DMO-CAL5,364983	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:06	TT2	Pass 40% for all target analytes
0509F0000029.D	DMO-CAL6,364984	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:18	TT2	
0509F0000030.D	DMO-CAL7,364985	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:29	TT2	
0509F0000031.D	DMO-CAL8,364986	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:41	TT2	
0509F0000032.D	DMO-CAL9,364987	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 16:53	TT2	
0509F0000033.D	DMO-CAL10,364988	/39289	Ical	1		GCSFAKNW8015-050922_	5/09/22 17:04	TT2	ICAL Passing
0509F0000034.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/09/22 17:16	TT2	ran to stabilize baseline
0509F0000035.D	DMO-ICV,365117	/39289	CCal	1		GCSFAKNW8015-050922_	5/09/22 17:27	TT2	Pass 15% for all ranges
0509F0000036.D	PBLK,363301	/39289	Sample	1		GCSFAKNW8015-050922_	5/09/22 17:39	TT2	Clean

Pace Analytical™

Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot: NA

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments

Check Maintenance Items Performed:

Changed septum	Clipped column	Changed column - Lot #
Cleaned liner	Changed trap - Lot #	Other minor parts replaced
Replaced/Cleaned gold seal	Cleaned MS Source	No maintenance performed today

Additional Comments:

File Path 1: \\V10WINTARGET\CHEM\10GCSF.I\050922F.B
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Run order verified:

Report Date: 05/10/2022 06:45
Reviewed By/Date:

Pace Analytical™

Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot:

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0511F0000001.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/11/22 13:22	EB3	
0511F0000002.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/11/22 13:34	EB3	
0511F0000003.D	DMO-RTM,365036	/39289	Sample	1		GCSFAKNW8015-050922_	5/11/22 13:45	EB3	
0511F0000004.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 13:56	EB3	Pass 15% for all ranges
0511F0000005.D	4305172	L/39219	Blank	1		GCSFAKNW8015-050922_	5/11/22 14:08	EB3	ok
0511F0000006.D	4305173	L/39219	LCS	1		GCSFAKNW8015-050922_	5/11/22 14:19	EB3	pass
0511F0000007.D	4305174	L/39219	LCSD	1		GCSFAKNW8015-050922_	5/11/22 14:30	EB3	pass
0511F0000008.D	10606016007	L/39219	Sample	1		GCSFAKNW8015-050922_	5/11/22 14:41	EB3	this is a RX OOH result, does not confirm
0511F0000009.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 14:53	EB3	Pass 15% for all ranges
0511F0000010.D	4295310	S/39118	Blank	1		GCSFAKNW8015-050922_	5/11/22 15:04	EB3	ok
0511F0000011.D	10604453006	S/39118	Sample	1		GCSFAKNW8015-050922_	5/11/22 15:15	EB3	confirms failing high, RX
0511F0000012.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 15:27	EB3	Pass 15% for all ranges
0511F0000013.D	4313529	L/39306	Blank	1		GCSFAKNW8015-050922_	5/11/22 15:38	EB3	ok
0511F0000014.D	10607257004	L/39306	Sample	1		GCSFAKNW8015-050922_	5/11/22 15:49	EB3	confirms surr failing low, RX
0511F0000015.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 16:01	EB3	Pass 15% for all ranges
0511F0000016.D	4315536	L/39305	Blank	1		GCSFAKNW8015-050922_	5/11/22 16:12	EB3	ok
0511F0000017.D	10607414002	L/39305	Sample	1		GCSFAKNW8015-050922_	5/11/22 16:23	EB3	confirms surr failing low, RX
0511F0000018.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 16:35	EB3	Pass 15% for all ranges
0511F0000019.D	4316005	S/39301	Blank	1		GCSFAKNW8015-050922_	5/11/22 16:46	EB3	ok
0511F0000020.D	4316006	S/39301	LCS	1		GCSFAKNW8015-050922_	5/11/22 16:57	EB3	pass
0511F0000021.D	10607520001	S/39301	Sample	50		GCSFAKNW8015-050922_	5/11/22 17:09	EB3	
0511F0000022.D	4316061	S/39301	MS	50		GCSFAKNW8015-050922_	5/11/22 17:20	EB3	
0511F0000023.D	4316062	S/39301	MSD	50		GCSFAKNW8015-050922_	5/11/22 17:32	EB3	
0511F0000024.D	10607127001	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 17:43	EB3	
0511F0000025.D	10607127002	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 17:54	EB3	
0511F0000026.D	10607127003	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 18:06	EB3	
0511F0000027.D	10607127004	S/39301	Sample	1		GCSFAKNW8015-050922_	5/11/22 18:17	EB3	
0511F0000028.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 18:28	EB3	Pass 15% for all ranges
0511F0000029.D	4316005	/39309	Sample	1		GCSFAKNW8015-050922_	5/11/22 18:40	EB3	ok
0511F0000030.D	10607365004	S/39309	Sample	100		GCSFAKNW8015-050922_	5/11/22 18:51	EB3	
0511F0000031.D	10607365012	S/39309	Sample	100		GCSFAKNW8015-050922_	5/11/22 19:02	EB3	
0511F0000032.D	10607365006	S/39309	Sample	20		GCSFAKNW8015-050922_	5/11/22 19:14	EB3	
0511F0000033.D	10607365010	S/39309	Sample	100		GCSFAKNW8015-050922_	5/11/22 19:25	EB3	
0511F0000034.D	10606997001	S/39308	Sample	10		GCSFAKNW8015-050922_	5/11/22 19:36	EB3	
0511F0000035.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 19:47	EB3	Pass 15% for all ranges
0511F0000036.D	4316165	L/39327	Blank	1		GCSFAKNW8015-050922_	5/11/22 19:59	EB3	ok
0511F0000037.D	4316166	L/39327	LCS	1		GCSFAKNW8015-050922_	5/11/22 20:10	EB3	pass
0511F0000038.D	4316167	L/39327	LCSD	1		GCSFAKNW8015-050922_	5/11/22 20:21	EB3	pass
0511F0000039.D	10607446001	L/39327	Sample	10		GCSFAKNW8015-050922_	5/11/22 20:33	EB3	rr 1X
0511F0000040.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/11/22 20:44	EB3	Pass 15% for all ranges
0511F0000041.D	4310138	L/39317	Blank	1		GCSFAKNW8015-050922_	5/11/22 20:55	EB3	ok
0511F0000042.D	4310139	L/39317	LCS	1		GCSFAKNW8015-050922_	5/11/22 21:07	EB3	pass
0511F0000043.D	4310140	L/39317	LCSD	1		GCSFAKNW8015-050922_	5/11/22 21:18	EB3	pass
0511F0000044.D	10606561001	L/39317	Sample	1		GCSFAKNW8015-050922_	5/11/22 21:29	EB3	
0511F0000045.D	4310141	L/39317	Dupe	1		GCSFAKNW8015-050922_	5/11/22 21:41	EB3	
0511F0000046.D	10606563001	L/39317	Sample	1		GCSFAKNW8015-050922_	5/11/22 21:52	EB3	

Pace Analytical™

Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot:

Surrogate Lot: See extract sheet
ISTD Lot: NA

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0511F0000047.D	DMO-CCV,363721	/39289	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:03	EB3	Pass 15% for all ranges
0511F0000048.D	4316763	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:14	EB3	hit in MB, rr to confirm
0511F0000049.D	4316764	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:26	EB3	rr
0511F0000050.D	4316765	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:37	EB3	|
0511F0000051.D	10607576002	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 22:48	EB3	|
0511F0000052.D	4316766	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:00	EB3	|
0511F0000053.D	10607576003	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:11	EB3	|
0511F0000054.D	10607576004	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:22	EB3	|
0511F0000055.D	10607576005	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:33	EB3	|
0511F0000056.D	10607576006	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:45	EB3	|
0511F0000057.D	10607576007	L/39328	Sample	1		GCSFAKNW8015-050922_	5/11/22 23:56	EB3	|
0511F0000058.D	10607576008	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:07	EB3	|
0511F0000059.D	10607576009	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:19	EB3	|
0511F0000060.D	10607576010	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:30	EB3	|
0511F0000061.D	10607576011	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:41	EB3	V
0511F0000062.D	DMO-CCV,363721	/39289	Sample	1		GCSFAKNW8015-050922_	5/12/22 00:52	EB3	Pass 15% for all ranges
0511F0000063.D	4310214	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 01:04	EB3	ok
0511F0000064.D	4310215	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 01:15	EB3	pass
0511F0000065.D	10606565003	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 01:26	EB3	
0511F0000066.D	10606560001	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 01:38	EB3	rr 5X
0511F0000067.D	10606565004	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 01:49	EB3	rr 1X
0511F0000068.D	10606565005	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 02:00	EB3	rr 1X
0511F0000069.D	10606565006	S/39318	Sample	10		GCSFAKNW8015-050922_	5/12/22 02:12	EB3	rr 1X
0511F0000070.D	10606560002	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 02:23	EB3	
0511F0000071.D	10606560003	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 02:34	EB3	
0511F0000072.D	4310216	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 02:45	EB3	
0511F0000073.D	4310217	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 02:57	EB3	
0511F0000074.D	10606565001	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 03:08	EB3	
0511F0000075.D	10606565002	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 03:19	EB3	
0511F0000076.D	DMO-CCV,363721	/39289	Sample	1		GCSFAKNW8015-050922_	5/12/22 03:31	EB3	Pass 15% for all ranges
0511F0000077.D	PBLK,4305172	/	Sample	1		GCSFAKNW8015-050922_	5/12/22 03:42	EB3	clean

Check Maintenance Items Performed:

Changed septum	Clipped column	Changed column - Lot #
Cleaned liner	Changed trap - Lot #	Other minor parts replaced
Replaced/Cleaned gold seal	Cleaned MS Source	No maintenance performed today

Additional Comments:

File Path 1: \\V10WINTARGET\CHEM\10GCSF.I\051122F.B
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Run order verified:

Report Date: 05/12/2022 10:42
Reviewed By/Date:

Pace Analytical™

Instrument Run Log

Instrument: 10GCSF | Method: 8015/AK/NW | Solvent lot: | Surrogate Lot: See extract sheet
Column: DB-5-US21390001 0.32mm Hy | ISTD Lot:

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0512F0000001.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/12/22 13:59	EB3	
0512F0000002.D	MECL2 RINSE	/	Sample	1		GCSFAKNW8015-050922_	5/12/22 14:10	EB3	
0512F0000003.D	DMO-RTM,365036	/39289	Sample	1		GCSFAKNW8015-050922_	5/12/22 14:22	EB3	
0512F0000004.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/12/22 14:33	EB3	Pass 15% for all ranges
0512F0000005.D	4318975	S/39346	Blank	1		GCSFAKNW8015-050922_	5/12/22 14:45	EB3	ok
0512F0000005C.	4318977	S/39347	Blank	1		GCSFAKNW8015-050922_	5/12/22 14:45	EB3	ok
0512F0000005B.	4318976	S/39345	Blank	1		GCSFAKNW8015-050922_	5/12/22 14:45	EB3	ok
0512F0000005D.	4325685	S/39396	Sample	1		GCSFAKNW8015-050922_	5/12/22 14:45	EB3	ok
0512F0000006.D	10604453010	S/39346	Sample	1		GCSFAKNW8015-050922_	5/12/22 14:57	EB3	8015S MDL
0512F0000006B.	10604453006	S/39345	Sample	1		GCSFAKNW8015-050922_	5/12/22 14:57	EB3	AK S MDL
0512F0000006C.	10604453014	S/39347	Sample	1		GCSFAKNW8015-050922_	5/12/22 14:57	EB3	NWS MDL
0512F0000006D.	10604453074	S/39396	Sample	1		GCSFAKNW8015-050922_	5/12/22 14:57	EB3	1036S MDL
0512F0000007.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/12/22 15:08	EB3	Pass 15% for all ranges
0512F0000008.D	4317738	L/39348	Blank	1		GCSFAKNW8015-050922_	5/12/22 15:20	EB3	ok
0512F0000009.D	4317739	L/39348	LCS	1		GCSFAKNW8015-050922_	5/12/22 15:31	EB3	pass
0512F0000010.D	4317740	L/39348	LCSD	1		GCSFAKNW8015-050922_	5/12/22 15:43	EB3	pass
0512F0000011.D	10607094001	L/39348	Sample	10		GCSFAKNW8015-050922_	5/12/22 15:55	EB3	rr 1X
0512F0000012.D	10607116001	L/39348	Sample	1		GCSFAKNW8015-050922_	5/12/22 16:06	EB3	
0512F0000013.D	10607116002	L/39348	Sample	1		GCSFAKNW8015-050922_	5/12/22 16:18	EB3	surr low due to emulsion
0512F0000014.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/12/22 16:29	EB3	Pass 15% for all ranges
0512F0000015.D	4318825	L/39349	Blank	1		GCSFAKNW8015-050922_	5/12/22 16:41	EB3	ok
0512F0000016.D	4318826	L/39349	LCS	1		GCSFAKNW8015-050922_	5/12/22 16:53	EB3	pass
0512F0000017.D	10607807003	L/39349	Sample	1		GCSFAKNW8015-050922_	5/12/22 17:04	EB3	
0512F0000018.D	4318827	L/39349	MS	1		GCSFAKNW8015-050922_	5/12/22 17:16	EB3	
0512F0000019.D	4318828	L/39349	MSD	1		GCSFAKNW8015-050922_	5/12/22 17:28	EB3	
0512F0000020.D	10607807004	L/39349	Sample	1		GCSFAKNW8015-050922_	5/12/22 17:39	EB3	rr 5X
0512F0000021.D	10607807002	L/39349	Sample	1		GCSFAKNW8015-050922_	5/12/22 17:51	EB3	rr 1X check for carryover
0512F0000022.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/12/22 18:02	EB3	Pass 15% for all ranges
0512F0000023.D	4318818	L/39350	Blank	1		GCSFAKNW8015-050922_	5/12/22 18:14	EB3	ok
0512F0000024.D	4318819	L/39350	LCS	1		GCSFAKNW8015-050922_	5/12/22 18:25	EB3	pass
0512F0000025.D	4318820	L/39350	LCSD	1		GCSFAKNW8015-050922_	5/12/22 18:36	EB3	pass
0512F0000026.D	10607876002	L/39350	Sample	1		GCSFAKNW8015-050922_	5/12/22 18:48	EB3	
0512F0000027.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/12/22 18:59	EB3	Pass 15% for all ranges
0512F0000028.D	4316165	L/39327	Blank	1		GCSFAKNW8015-050922_	5/12/22 19:10	EB3	ok
0512F0000029.D	10607446001	L/39327	Sample	1		GCSFAKNW8015-050922_	5/12/22 19:22	EB3	
0512F0000030.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/12/22 19:33	EB3	Pass 15% for all ranges
0512F0000031.D	4316763	L/39328	Blank	1		GCSFAKNW8015-050922_	5/12/22 19:44	EB3	confirms hit in MB
0512F0000032.D	4316764	L/39328	LCS	1		GCSFAKNW8015-050922_	5/12/22 19:56	EB3	pass
0512F0000033.D	4316765	L/39328	LCSD	1		GCSFAKNW8015-050922_	5/12/22 20:07	EB3	pass
0512F0000034.D	10607576002	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 20:18	EB3	insufficient vol to RX
0512F0000035.D	4316766	L/39328	Dupe	1		GCSFAKNW8015-050922_	5/12/22 20:30	EB3	reporting
0512F0000036.D	10607576003	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 20:41	EB3	ND but surr failing, RX
0512F0000037.D	10607576004	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 20:52	EB3	RX
0512F0000038.D	10607576005	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 21:04	EB3	ND but surr failing, RX
0512F0000039.D	10607576006	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 21:15	EB3	J-flag hit, RX
0512F0000040.D	10607576007	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 21:26	EB3	ND but surr failing, RX

Pace Analytical™

Instrument Run Log

Instrument: 10GCSF
Column: DB-5-US21390001 0.32mm Hy

Method: 8015/AK/NW

Solvent lot:

Surrogate Lot: See extract sheet
ISTD Lot:

Path/File	Lab ID	Matrix/Batch	Type	DF	pH	Method	Date&Time	Oper.	Comments
0512F0000041.D	10607576008	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 21:37	EB3	ND but surr failing, RX
0512F0000042.D	10607576009	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 21:49	EB3	RX
0512F0000043.D	10607576010	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 22:00	EB3	J-flag hit, RX
0512F0000044.D	10607576011	L/39328	Sample	1		GCSFAKNW8015-050922_	5/12/22 22:11	EB3	ND but surr failing, RX
0512F0000045.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/12/22 22:23	EB3	Pass 15% for all ranges
0512F0000046.D	4310214	S/39318	Blank	1		GCSFAKNW8015-050922_	5/12/22 22:34	EB3	ok
0512F0000047.D	10606560001	S/39318	Sample	5		GCSFAKNW8015-050922_	5/12/22 22:45	EB3	
0512F0000048.D	10606565004	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 22:56	EB3	
0512F0000049.D	10606565005	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 23:08	EB3	
0512F0000050.D	10606565006	S/39318	Sample	1		GCSFAKNW8015-050922_	5/12/22 23:19	EB3	
0512F0000051.D	DMO-CCV,363721	/39289	CCal	1		GCSFAKNW8015-050922_	5/12/22 23:30	EB3	Pass 15% for all ranges
0512F0000052.D	PBLK,4310214	/	Sample	1		GCSFAKNW8015-050922_	5/12/22 23:42	EB3	clean

Check Maintenance Items Performed:

Changed septum	Clipped column	Changed column - Lot #
Cleaned liner	Changed trap - Lot #	Other minor parts replaced
Replaced/Cleaned gold seal	Cleaned MS Source	No maintenance performed today

Additional Comments:

File Path 1: \\V10WINTARGET\CHEM\10GCSF.I\051222F.B
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Run order verified:

Report Date: 05/18/2022 15:17
Reviewed By/Date:

SAMPLE NO.

BNSF-SG11-042822-0-5

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

Lab Sample ID: 10606565001 Percent Moisture: 25.5

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic	2.6		mg/kg	1	05/17/2022 16:03
7440-43-9	Cadmium	0.28		mg/kg	1	05/17/2022 16:03
7440-47-3	Chromium	14.6		mg/kg	1	05/17/2022 16:03
7440-50-8	Copper	12.2		mg/kg	1	05/17/2022 16:03
7439-92-1	Lead	7.4		mg/kg	1	05/17/2022 16:03
7440-02-0	Nickel	14.8		mg/kg	1	05/17/2022 16:03
7782-49-2	Selenium	0.25	J	mg/kg	1	05/17/2022 16:03
7440-22-4	Silver	0.41	J	mg/kg	1	05/17/2022 16:03
7440-66-6	Zinc	83.2		mg/kg	1	05/17/2022 16:03

SAMPLE NO.

BNSF-E380-042822-0-4

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

Lab Sample ID: 10606565002 Percent Moisture: 28.5

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic	2.2		mg/kg	1	05/17/2022 16:06
7440-43-9	Cadmium	0.36		mg/kg	1	05/17/2022 16:06
7440-47-3	Chromium	15.1		mg/kg	1	05/17/2022 16:06
7440-50-8	Copper	10.9		mg/kg	1	05/17/2022 16:06
7439-92-1	Lead	6.9		mg/kg	1	05/17/2022 16:06
7440-02-0	Nickel	13.4		mg/kg	1	05/17/2022 16:06
7782-49-2	Selenium	0.22	J	mg/kg	1	05/17/2022 16:06
7440-22-4	Silver	ND	U	mg/kg	1	05/17/2022 16:06
7440-66-6	Zinc	85.9		mg/kg	1	05/17/2022 16:06

SAMPLE NO.

BNSF-E320-042822-0-4

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

Lab Sample ID: 10606565003 Percent Moisture: 26.9

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic	2.1		mg/kg	1	05/17/2022 16:10
7440-43-9	Cadmium	0.47		mg/kg	1	05/17/2022 16:10
7440-47-3	Chromium	14.7		mg/kg	1	05/17/2022 16:10
7440-50-8	Copper	12.0		mg/kg	1	05/17/2022 16:10
7439-92-1	Lead	8.6		mg/kg	1	05/17/2022 16:10
7440-02-0	Nickel	14.6		mg/kg	1	05/17/2022 16:10
7782-49-2	Selenium	0.29	J	mg/kg	1	05/17/2022 16:10
7440-22-4	Silver	ND	U	mg/kg	1	05/17/2022 16:10
7440-66-6	Zinc	95.9		mg/kg	1	05/17/2022 16:10

SAMPLE NO.

BNSF-D160-042822-0-5

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

Lab Sample ID: 10606565004 Percent Moisture: 28.8

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic	2.7		mg/kg	1	05/17/2022 16:14
7440-43-9	Cadmium	0.64		mg/kg	1	05/17/2022 16:14
7440-47-3	Chromium	15.7		mg/kg	1	05/17/2022 16:14
7440-50-8	Copper	15.8		mg/kg	1	05/17/2022 16:14
7439-92-1	Lead	8.9		mg/kg	1	05/17/2022 16:14
7440-02-0	Nickel	13.9		mg/kg	1	05/17/2022 16:14
7782-49-2	Selenium	0.34	J	mg/kg	1	05/17/2022 16:14
7440-22-4	Silver	ND	U	mg/kg	1	05/17/2022 16:14
7440-66-6	Zinc	102		mg/kg	1	05/17/2022 16:14

SAMPLE NO.

BNSF-E460-042922-0-4

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

Lab Sample ID: 10606565005 Percent Moisture: 37.7

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic	2.6		mg/kg	1	05/17/2022 16:17
7440-43-9	Cadmium	0.35		mg/kg	1	05/17/2022 16:17
7440-47-3	Chromium	16.1		mg/kg	1	05/17/2022 16:17
7440-50-8	Copper	14.5		mg/kg	1	05/17/2022 16:17
7439-92-1	Lead	8.6		mg/kg	1	05/17/2022 16:17
7440-02-0	Nickel	14.8		mg/kg	1	05/17/2022 16:17
7782-49-2	Selenium	0.31	J	mg/kg	1	05/17/2022 16:17
7440-22-4	Silver	ND	U	mg/kg	1	05/17/2022 16:17
7440-66-6	Zinc	99.2		mg/kg	1	05/17/2022 16:17

SAMPLE NO.

BNSF-H360-042922-0-8

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

Lab Sample ID: 10606565006 Percent Moisture: 31.7

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic	4.7		mg/kg	1	05/17/2022 16:21
7440-43-9	Cadmium	0.35		mg/kg	1	05/17/2022 16:21
7440-47-3	Chromium	17.2		mg/kg	1	05/17/2022 16:21
7440-50-8	Copper	18.3		mg/kg	1	05/17/2022 16:21
7439-92-1	Lead	14.3		mg/kg	1	05/17/2022 16:21
7440-02-0	Nickel	16.2		mg/kg	1	05/17/2022 16:21
7782-49-2	Selenium	0.27	J	mg/kg	1	05/17/2022 16:21
7440-22-4	Silver	ND	U	mg/kg	1	05/17/2022 16:21
7440-66-6	Zinc	107		mg/kg	1	05/17/2022 16:21

FORM II INORGANIC-1

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

Initial Calibration Verification Source: 366568

Continuing Calibration Verification Source: 366568

Concentration Units: ug/L Instrument ID: 10ICM8

	Initial Calibration Verification				Continuing Calibration Verification						
	05/17/2022 10:53				05/17/2022 11:15			05/17/2022 14:36			Control Limit
Analyte	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	
Arsenic	80	79.0	98.8	90-110	80	79.3	99.1	80	79.1	98.9	90-110
Cadmium	80	81.0	101.3	90-110	80	80.9	101.2	80	79.2	99.0	90-110
Chromium	80	83.5	104.4	90-110	80	83.1	103.9	80	83.3	104.2	90-110
Copper	80	85.7	107.1	90-110	80	85.9	107.4	80	86.2	107.7	90-110
Lead	80	82.7	103.4	90-110	80	82.0	102.5	80	84.2	105.2	90-110
Nickel	80	83.9	104.9	90-110	80	83.6	104.6	80	84.6	105.7	90-110
Selenium	80	80.2	100.2	90-110	80	78.6	98.2	80	80.1	100.2	90-110
Silver	40	41.2	103.0	90-110	40	41.2	103.1	40	40.4	101.0	90-110
Zinc	80	82.3	102.9	90-110	80	82.1	102.7	80	81.8	102.2	90-110

FORM II INORGANIC-2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

Initial Calibration Verification Source:

Continuing Calibration Verification Source: 366568

Concentration Units: ug/L Instrument ID: 10ICM8

	Continuing Calibration Verification									
	05/17/2022 15:16			05/17/2022 15:48			05/17/2022 16:24			Control Limit
Analyte	True	Found	%R	True	Found	%R	True	Found	%R	
Arsenic	80	78.4	98.0	80	79.2	99.0	80	79.7	99.6	90-110
Cadmium	80	79.1	98.9	80	79.6	99.5	80	79.8	99.7	90-110
Chromium	80	81.4	101.8	80	83.1	103.8	80	83.3	104.1	90-110
Copper	80	85.1	106.3	80	86.6	108.2	80	86.8	108.5	90-110
Lead	80	81.5	101.8	80	83.4	104.2	80	82.1	102.6	90-110
Nickel	80	82.9	103.7	80	84.3	105.4	80	84.6	105.8	90-110
Selenium	80	78.8	98.5	80	79.3	99.1	80	79.9	99.9	90-110
Silver	40	40.0	100.0	40	41.0	102.5	40	41.1	102.8	90-110
Zinc	80	80.5	100.6	80	81.9	102.3	80	82.0	102.5	90-110

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

CRDL Check Standard Source: 366567 Analysis Date/Time: 05/17/2022 11:04

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Arsenic	0.5	0.50	99.0	80-120
Cadmium	0.08	0.086	107.5	80-120
Chromium	2.0	2.1	104.4	80-120
Copper	1.0	1.1	110.6	80-120
Lead	0.5	0.52	103.6	80-120
Nickel	0.5	0.45	89.6	80-120
Selenium	0.5	0.49	97.8	80-120
Silver	0.5	0.45	90.0	80-120
Zinc	5.0	5.1	102.6	80-120

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

CRDL Check Standard Source: 366567 Analysis Date/Time: 05/17/2022 14:44

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Arsenic	0.5	0.50	100.0	80-120
Cadmium	0.08	0.077	96.2	80-120
Chromium	2.0	2.1	104.0	80-120
Copper	1.0	1.1	109.0	80-120
Lead	0.5	0.51	101.8	80-120
Nickel	0.5	0.43	85.8	80-120
Selenium	0.5	0.50	100.8	80-120
Silver	0.5	0.50	101.0	80-120
Zinc	5.0	5.0	101.0	80-120

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract : D3593500

Method Blank Matrix: Solid Instrument ID: 10ICM8

Method Blank Concentration Units: mg/kg

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Method Blank	
	05/17/2022 11:00	C	05/17/2022 11:18	C	05/17/2022 14:40	C	05/17/2022 15:19	C	4310659	C
Arsenic	0.11	U	0.11	U	0.11	U	0.11	U	ND	U
Cadmium	0.031	U	0.031	U	0.031	U	0.031	U	ND	U
Chromium	0.14	U	0.14	U	0.14	U	0.14	U	ND	U
Copper	0.24	U	0.24	U	0.24	U	0.24	U	0.26	J
Lead	0.029	U	0.029	U	0.029	U	0.029	U	ND	U
Nickel	0.20	U	0.20	U	0.20	U	0.20	U	ND	U
Selenium	0.086	U	0.086	U	0.086	U	0.086	U	ND	U
Silver	0.14	U	0.24	J	0.20	J	0.21	J	ND	U
Zinc	0.90	U	0.90	U	0.90	U	0.90	U	ND	U

FORM III INORGANIC-2

BLANKS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract : D3593500

Method Blank Matrix: Instrument ID: 10ICM8

Method Blank Concentration Units:

Analyte	Initial Calibration Blank		Continuing Calibration Blank (ug/L)					
		C	05/17/2022 15:52	C	05/17/2022 16:28	C		C
Arsenic			0.11	U	0.11	U		
Cadmium			0.031	U	0.031	U		
Chromium			0.14	U	0.14	U		
Copper			0.24	U	0.24	U		
Lead			0.029	U	0.029	U		
Nickel			0.20	U	0.20	U		
Selenium			0.086	U	0.086	U		
Silver			0.21	J	0.20	J		
Zinc			0.90	U	0.90	U		

FORM IV INORGANIC-1
INTERFERENCE CHECK SAMPLE

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

Instrument ID: 10ICM8 Solution A Run Date: 05/17/2022 11:07

ICS Source: 366566,366565 Solution AB Run Date: 05/17/2022 11:11

Concentration Units: ug/L

Analyte	True		Found				
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Limits
Aluminum	25000	27500	25489.273	102	27294.995	99.3	80-120
Arsenic		100	0.047		102.4	102.4	80-120
Cadmium		100	-0.025		101.509	101.5	80-120
Calcium	25000	27500	25434.813	101.7	27399.74	99.6	80-120
Chromium		100	0.239		103.907	103.9	80-120
Copper		100	0.073		103.213	103.2	80-120
Iron	25000	26250	26291.77	105.2	26648.18	101.5	80-120
Lead		100	0.014		100.193	100.2	80-120
Magnesium	25000	27500	25841.628	103.4	27542.666	100.2	80-120
Molybdenum	500	600	537.052	107.4	611.533	101.9	80-120
Nickel		100	-0.016		105.84	105.8	80-120
Potassium	25000	27500	25907.814	103.6	27745.454	100.9	80-120
Selenium		100	0.041		102.928	102.9	80-120
Silver		50	0.036		50.265	100.5	80-120
Sodium	25000	27500	26334.755	105.3	27980.91	101.7	80-120
Titanium	500	600	490.304	98.1	577.397	96.2	80-120
Zinc		100	0.145		103.246	103.2	80-120

SAMPLE NO.

4310661MS

FORM V INORGANIC-1

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

Matrix: Solid Basis: Dry Parent Sample ID: 10606560003

Percent Moisture: 32.6

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Arsenic	mg/kg	75-125	79.1	2.6	73.4	104
Cadmium	mg/kg	75-125	77.7	0.29	73.4	105
Chromium	mg/kg	75-125	96.9	15.7	73.4	111
Copper	mg/kg	75-125	94.5	12.7	73.4	111
Lead	mg/kg	75-125	85.7	5.9	73.4	109
Nickel	mg/kg	75-125	97.6	15.0	73.4	112
Selenium	mg/kg	75-125	78.0	0.31J	73.4	106
Silver	mg/kg	75-125	40.4	ND	36.8	110
Zinc	mg/kg	75-125	154	81.6	73.4	98

SAMPLE NO.

4310662MSD

FORM V INORGANIC-2

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

Matrix: Solid Basis: Dry Parent Sample ID: 10606560003

Percent Moisture: 32.6

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Arsenic	mg/kg	75-125	78.5	2.6	71.4	106
Cadmium	mg/kg	75-125	78.5	0.29	71.4	110
Chromium	mg/kg	75-125	96.7	15.7	71.4	113
Copper	mg/kg	75-125	93.9	12.7	71.4	114
Lead	mg/kg	75-125	84.9	5.9	71.4	111
Nickel	mg/kg	75-125	97.0	15.0	71.4	115
Selenium	mg/kg	75-125	74.4	0.31J	71.4	104
Silver	mg/kg	75-125	40.4	ND	35.6	113
Zinc	mg/kg	75-125	154	81.6	71.4	102

SAMPLE NO.

4312117PDS

FORM V INORGANIC-1

POST-DIGESTION SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

Matrix: Solid Parent Sample ID: 10606560003

Analyte	Units	Control Limit %R	DF	Spiked Sample Result (SSR)	DF	Sample Result (SR)	Spike Added (SA)	%R
Arsenic	ug/L	80-120	1	91.3	1	2.2U	80	114.2
Cadmium	ug/L	80-120	1	91.3	1	0.63U	80	114.1
Chromium	ug/L	80-120	1	105	1	10.6J	80	117.6
Copper	ug/L	80-120	1	105	1	8.6J	80	120.7*
Lead	ug/L	80-120	1	97.1	1	4.0J	80	116.3
Nickel	ug/L	80-120	1	106	1	10.1	80	119.9
Selenium	ug/L	80-120	1	87.5	1	1.7U	80	109.4
Silver	ug/L	80-120	1	47.5	1	2.9U	40	118.6
Zinc	ug/L	80-120	1	148	1	55.0J	80	116.3

SAMPLE NO.

4310662MSD

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

Matrix: Solid Concentration Units: mg/kg

Percent Moisture: 32.6 Basis: Dry

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Arsenic	20	79.1	78.5	1
Cadmium	20	77.7	78.5	1
Chromium	20	96.9	96.7	0
Copper	20	94.5	93.9	1
Lead	20	85.7	84.9	1
Nickel	20	97.6	97.0	1
Selenium	20	78.0	74.4	5
Silver	20	40.4	40.4	0
Zinc	20	154	154	0

SAMPLE NO.

4310660LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

Matrix: Solid

Analyte	Units	True	Found	%R	Limits	
Arsenic	mg/kg	49.0	53.5	109	80	120
Cadmium	mg/kg	49.0	54.6	111	80	120
Chromium	mg/kg	49.0	57.9	118	80	120
Copper	mg/kg	49.0	59.0	120	80	120
Lead	mg/kg	49.0	56.4	115	80	120
Nickel	mg/kg	49.0	58.6	119	80	120
Selenium	mg/kg	49.0	54.9	112	80	120
Silver	mg/kg	24.5	28.3	115	80	120
Zinc	mg/kg	49.0	55.4	113	80	120

SAMPLE NO.

4312118SD

FORM VIII INORGANIC-1
SERIAL DILUTIONS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

Matrix: Solid Parent Sample ID: 10606560003

Analyte	Units	Initial Sample Result	Serial Dilution Result	% Difference	Control Limit %D
Arsenic	ug/L	2.2U	10.9U		10
Cadmium	ug/L	0.63U	3.1U		10
Chromium	ug/L	10.6J	14.0U		10
Copper	ug/L	8.6J	24.2U		10
Lead	ug/L	4.0J	4.2J	4.5	10
Nickel	ug/L	10.1	19.9U		10
Selenium	ug/L	1.7U	8.6U		10
Silver	ug/L	2.9U	14.5U		10
Zinc	ug/L	55.0J	89.9U		10

* Indicates that the % Difference exceeds the control limit.
No difference is calculated if either result is a non-detect.

FORM IX INORGANIC-1
INSTRUMENT DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

Preparation Method: None Instrument ID: 10ICM8

Concentration Units: ug/L

Analyte	PQL	IDL	IDL Date
Arsenic	0.50	0.11	04/01/2022
Cadmium	0.080	0.031	04/01/2022
Chromium	2.0	0.14	04/01/2022
Copper	1.0	0.24	04/01/2022
Lead	0.50	0.029	04/01/2022
Nickel	0.50	0.20	04/01/2022
Selenium	0.50	0.086	04/01/2022
Silver	0.50	0.14	04/01/2022
Zinc	5.0	0.90	04/01/2022

FORM IX INORGANIC-2
METHOD DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

Preparation Method: EPA 3050B Instrument ID: 10ICM8

Concentration Units: mg/kg

Analyte	PQL	MDL	MDL Date
Arsenic	0.50	0.11	07/19/2021
Cadmium	0.080	0.031	07/19/2021
Chromium	2.0	0.14	07/19/2021
Copper	1.0	0.24	07/19/2021
Lead	0.50	0.029	07/19/2021
Nickel	0.50	0.20	07/19/2021
Selenium	0.50	0.086	07/19/2021
Silver	0.50	0.14	07/19/2021
Zinc	5.0	0.90	07/19/2021

FORM XI - INORGANIC-1
LINEAR DYNAMIC RANGES

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract : D3593500

Instrument ID: 10ICM8 Effective Date:09/12/2021

Analyte	Concentration (ug/L)
Arsenic	450
Cadmium	450
Chromium	450
Copper	450
Lead	450
Nickel	450
Selenium	450
Silver	100
Zinc	450

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

Preparation Method: EPA 3050B Batch: MPRP 124008

Lab Sample ID	Sample Name	Preparation Date	Initial Weight (g)	Final Volume (mL)
4310659	4310659	05/04/2022	1.01	50
4310660	4310660	05/04/2022	1.02	50
4310661	4310661	05/04/2022	1.01	50
4310662	4310662	05/04/2022	1.04	50
10606565001	BNSF-SG11-042822-0-5	05/04/2022	1.03	50
10606565002	BNSF-E380-042822-0-4	05/04/2022	1.08	50
10606565003	BNSF-E320-042822-0-4	05/04/2022	1.09	50
10606565004	BNSF-D160-042822-0-5	05/04/2022	1.05	50
10606565005	BNSF-E460-042922-0-4	05/04/2022	1.1	50
10606565006	BNSF-H360-042922-0-8	05/04/2022	1.01	50

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

Instrument ID: 10ICM8 Analysis Method: EPA 6020B

Start Date: 05/17/2022 10:22 End Date: 05/17/2022 16:28

Sample Name	Lab Sample ID	D/F	Date	Time	Ag	As	Cd	Cr	Cu	Ni	Pb	Se	Zn
30002016CAL0	30002016CAL0	1	05/17/2022	10:22	X	X	X	X	X	X	X	X	X
30002018CAL1	30002018CAL1	1	05/17/2022	10:26	X	X	X	X	X	X	X	X	X
30002019CAL2	30002019CAL2	1	05/17/2022	10:30	X	X	X	X	X	X	X	X	X
30002020CAL3	30002020CAL3	1	05/17/2022	10:34	X	X	X	X	X	X	X	X	X
30002021CAL4	30002021CAL4	1	05/17/2022	10:38	X	X	X	X	X	X	X	X	X
30002022CAL5	30002022CAL5	1	05/17/2022	10:42	X	X	X	X	X	X	X	X	X
30002023CAL6	30002023CAL6	1	05/17/2022	10:46	X	X	X	X	X	X	X	X	X
30002024CAL7	30002024CAL7	1	05/17/2022	10:49	X	X	X	X	X	X	X	X	X
30002025ICV	30002025ICV	1	05/17/2022	10:53	X	X	X	X	X	X	X	X	X
30002026ICB	30002026ICB	1	05/17/2022	11:00	X	X	X	X	X	X	X	X	X
30002027CRDL	30002027CRDL	1	05/17/2022	11:04	X	X	X	X	X	X	X	X	X
30002028ICSA	30002028ICSA	1	05/17/2022	11:07	X	X	X	X	X	X	X	X	X
30002029ICSAB	30002029ICSAB	1	05/17/2022	11:11	X	X	X	X	X	X	X	X	X
30002030CCV	30002030CCV	1	05/17/2022	11:15	X	X	X	X	X	X	X	X	X
30002032CCB	30002032CCB	1	05/17/2022	11:18	X	X	X	X	X	X	X	X	X
30002080CCV	30002080CCV	1	05/17/2022	14:36	X	X	X	X	X	X	X	X	X
30002081CCB	30002081CCB	1	05/17/2022	14:40	X	X	X	X	X	X	X	X	X
30002082CRDL	30002082CRDL	1	05/17/2022	14:44	X	X	X	X	X	X	X	X	X
30002083CCV	30002083CCV	1	05/17/2022	15:16	X	X	X	X	X	X	X	X	X
30002084CCB	30002084CCB	1	05/17/2022	15:19	X	X	X	X	X	X	X	X	X
4310659BLANK	4310659	1	05/17/2022	15:23	X	X	X	X	X	X	X	X	X
4310660LCS	4310660	1	05/17/2022	15:27	X	X	X	X	X	X	X	X	X
10606560003	10606560003	1	05/17/2022	15:37	X	X	X	X	X	X	X	X	X
4312117PDS	4312117	1	05/17/2022	15:41	X	X	X	X	X	X	X	X	X
4312118SD	4312118	5	05/17/2022	15:45	X	X	X	X	X	X	X	X	X
30002085CCV	30002085CCV	1	05/17/2022	15:48	X	X	X	X	X	X	X	X	X
30002094CCB	30002094CCB	1	05/17/2022	15:52	X	X	X	X	X	X	X	X	X
4310661MS	4310661	1	05/17/2022	15:55	X	X	X	X	X	X	X	X	X
4310662MSD	4310662	1	05/17/2022	15:59	X	X	X	X	X	X	X	X	X
BNSF-SG11-042822-0-5	10606565001	1	05/17/2022	16:03	X	X	X	X	X	X	X	X	X
BNSF-E380-042822-0-4	10606565002	1	05/17/2022	16:06	X	X	X	X	X	X	X	X	X
BNSF-E320-042822-0-4	10606565003	1	05/17/2022	16:10	X	X	X	X	X	X	X	X	X
BNSF-D160-042822-0-5	10606565004	1	05/17/2022	16:14	X	X	X	X	X	X	X	X	X
BNSF-E460-042922-0-4	10606565005	1	05/17/2022	16:17	X	X	X	X	X	X	X	X	X
BNSF-H360-042922-0-8	10606565006	1	05/17/2022	16:21	X	X	X	X	X	X	X	X	X
30002105CCV	30002105CCV	1	05/17/2022	16:24	X	X	X	X	X	X	X	X	X
30002106CCB	30002106CCB	1	05/17/2022	16:28	X	X	X	X	X	X	X	X	X

US EPA 200.8/6020 Tune Check Report

Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\051722.b
Report Comment	10ICM8 PW
Instrument Name	G3281A JP13142395

[He]

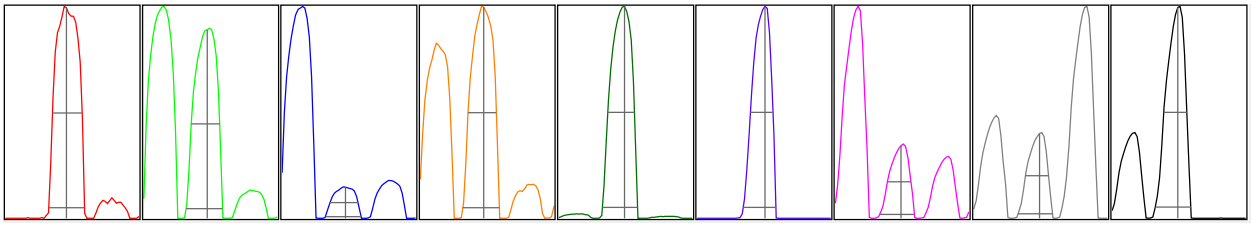
Sensitivity

Mass	Count	RSD%	RSD%(Rqd)	RSD%(Flag)
9	57	2.758	5.000	
24	1225	1.363	5.000	
25	181	1.902	5.000	
26	217	0.983	5.000	
59	12445	0.248	5.000	
115	18987	1.058	5.000	
206	8945	0.927	5.000	
207	7468	1.830	5.000	
208	18340	1.604	5.000	

Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	56	57	59	55
1241	1234	1229	1226	1197
183	181	184	183	175
215	216	217	216	220
12433	12434	12465	12406	12486
18703	18869	19076	19074	19213
8822	8949	8931	8973	9051
7248	7433	7508	7556	7593
17907	18196	18419	18523	18653

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)	W-5%	W-5% (Required)	W-5% (Flag)
9	92.00	8.90	8.90 - 9.10		0.792	0.900	
24	2056.63	23.95	23.90 - 24.10		0.809	0.900	
25	302.68	24.95	24.90 - 25.10		0.785	0.900	
26	369.19	25.95	25.90 - 26.10		0.809	0.900	
59	22252.15	59.00	58.90 - 59.10		0.779	0.900	
115	38646.67	115.05	114.90 - 115.10		0.723	0.900	
206	17708.84	206.00	205.90 - 206.10		0.770	0.900	
207	14933.25	207.00	206.90 - 207.10		0.763	0.900	
208	37220.97	208.00	207.90 - 208.10		0.786	0.900	

Integration Time [sec] 0.1 Acquisition Time [sec] 212.5 Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.70 L/min	Dilution Gas	0.35 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	5.0 V	Deflect	-1.2 V
Extract 2	-130.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-70 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V
He Flow	4.5 mL/min	OctP Bias	-18.0 V		
H2 Flow	0.0 mL/min	OctP RF	170 V		

US EPA 200.8/6020 Tune Check Report

Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\051722.b
Report Comment	10ICM8 PW
Instrument Name	G3281A JP13142395

[H2]

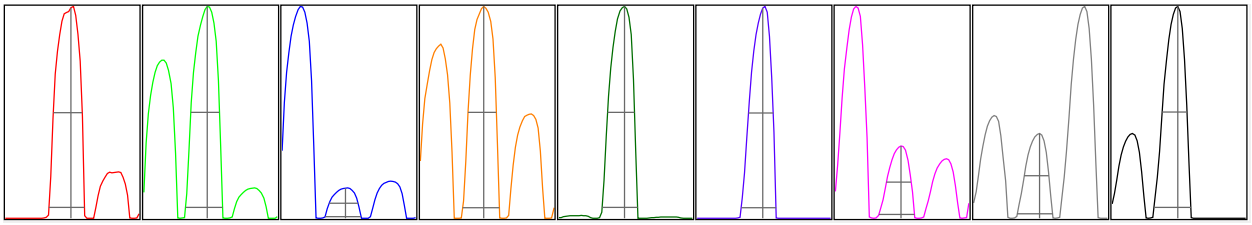
Sensitivity

Mass	Count	RSD%	RSD%(Rqd)	RSD%(Flag)
9	366	1.095	5.000	
24	7699	1.087	5.000	
25	1113	1.459	5.000	
26	1348	1.409	5.000	
59	11946	0.905	5.000	
115	36841	0.932	5.000	
206	7502	0.754	5.000	
207	6294	0.952	5.000	
208	15425	0.696	5.000	

Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
367	366	367	359	369
7791	7759	7721	7627	7598
1129	1105	1129	1112	1091
1376	1353	1340	1350	1324
11998	11763	11967	11953	12046
37048	36588	37055	36367	37148
7486	7525	7495	7426	7580
6211	6309	6357	6257	6338
15395	15357	15575	15307	15489

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)	W-5%	W-5% (Required)	W-5% (Flag)
9	602.61	9.00	8.90 - 9.10		0.785	0.900	
24	12926.13	23.95	23.90 - 24.10		0.821	0.900	
25	1839.25	24.95	24.90 - 25.10		0.792	0.900	
26	2261.66	25.95	25.90 - 26.10		0.813	0.900	
59	21087.39	59.00	58.90 - 59.10		0.784	0.900	
115	69553.97	115.00	114.90 - 115.10		0.769	0.900	
206	14148.80	206.00	205.90 - 206.10		0.787	0.900	
207	11657.23	207.00	206.90 - 207.10		0.779	0.900	
208	29172.28	208.00	207.90 - 208.10		0.815	0.900	

Integration Time [sec] 0.1 Acquisition Time [sec] 212.5 Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.70 L/min	Dilution Gas	0.35 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	5.0 V	Deflect	-2.2 V
Extract 2	-130.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-70 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	2.0 V
He Flow	0.0 mL/min	OctP Bias	-18.0 V		
H2 Flow	4.0 mL/min	OctP RF	170 V		

FORM XV INORGANIC-1

INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Pace Analytical - Minnesota SDG No. : 10606565 Contract: D3593500

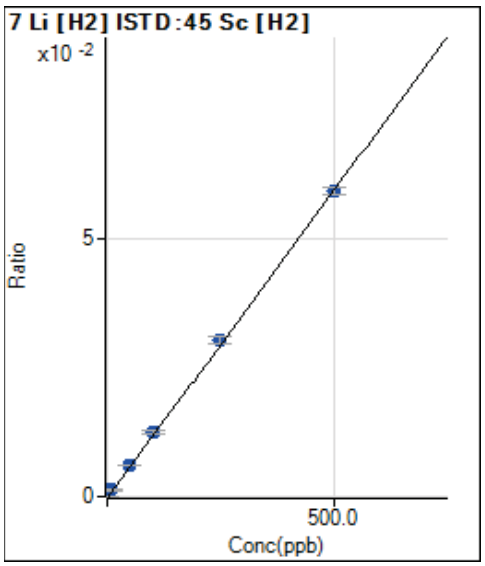
Instrument ID: 10ICM8 Start Date: 05/17/2022 10:22 End Date: 05/17/2022 16:28

Sample Name	Time	GE-72	Ge-72-IS1	In-115	Ir-193-IS	Sc-45-IS	Sc-45-IS1	Tb-159
30002016CAL0	10:22	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30002018CAL1	10:26	100.5	100.2	99.1	99.2	100.2	99.4	100.2
30002019CAL2	10:30	101.0	99.6	99.6	99.7	101.0	99.7	100.1
30002020CAL3	10:34	99.9	97.0	95.0	95.3	98.3	95.5	96.7
30002021CAL4	10:38	101.7	98.0	97.4	96.6	100.0	97.5	97.9
30002022CAL5	10:42	102.0	98.6	97.0	94.5	101.4	98.5	97.0
30002023CAL6	10:46	101.7	97.6	95.1	96.7	102.6	96.8	100.5
30002024CAL7	10:49	99.4	97.4	93.5	93.9	101.0	96.4	98.1
30002025ICV	10:53	104.0	101.1	99.9	100.3	102.4	101.3	101.4
30002026ICB	11:00	101.6	102.4	101.2	101.9	102.8	102.5	102.5
30002027CRDL	11:04	102.1	103.8	101.6	102.2	103.2	104.2	103.1
30002028ICSA	11:07	98.5	98.6	96.5	98.6	100.8	97.4	100.5
30002029ICSAB	11:11	101.8	100.5	97.2	99.3	103.4	99.9	101.5
30002030CCV	11:15	104.2	103.8	101.1	102.1	103.3	104.0	103.2
30002032CCB	11:18	103.1	105.5	103.2	104.3	104.2	105.3	104.5
30002080CCV	14:36	90.9	90.4	91.7	94.5	91.4	91.0	94.7
30002081CCB	14:40	92.2	93.8	94.9	96.8	93.1	94.2	97.4
30002082CRDL	14:44	92.2	93.5	94.3	97.0	92.8	93.6	97.5
30002083CCV	15:16	92.7	92.8	92.8	93.9	93.4	92.8	95.7
30002084CCB	15:19	93.3	95.1	95.9	98.5	94.8	95.2	98.2
4310659	15:23	89.9	95.1	94.1	96.7	91.8	95.4	95.9
4310660	15:27	92.6	93.7	92.5	97.0	92.5	93.4	96.6
10606560003	15:37	94.1	96.5	95.0	98.3	95.8	97.1	99.0
4312117	15:41	92.8	96.5	90.9	94.0	94.1	96.3	96.0
4312118	15:45	92.3	94.3	93.1	96.6	92.6	94.1	96.5
30002085CCV	15:48	95.2	96.0	94.3	96.2	95.4	95.8	97.3
30002094CCB	15:52	95.4	98.5	97.8	98.8	96.5	98.2	99.6
4310661	15:55	94.3	96.5	92.9	95.7	96.2	97.1	97.5
4310662	15:59	94.4	98.4	92.7	94.2	95.7	98.9	96.5
BNSF-SG11-042822-0-5	16:03	96.6	100.1	96.6	98.0	98.7	100.8	99.7
BNSF-E380-042822-0-4	16:06	97.2	100.5	96.7	99.1	99.6	101.2	100.4
BNSF-E320-042822-0-4	16:10	97.7	100.8	97.1	99.2	99.8	101.5	101.2
BNSF-D160-042822-0-5	16:14	95.6	99.7	95.8	97.0	97.6	100.0	98.9
BNSF-E460-042922-0-4	16:17	98.8	102.1	98.5	99.4	101.5	102.6	101.3
BNSF-H360-042922-0-8	16:21	98.3	102.1	98.2	99.0	100.9	102.5	101.0
30002105CCV	16:24	97.2	97.7	96.4	98.1	97.4	96.3	99.5
30002106CCB	16:28	95.3	98.2	97.4	100.3	95.7	97.2	99.8

Calibration for 247_CCV.d

Batch Folder:	C:\Agilent\ICPMH\1\DATA\051722.b\
Analysis File:	051722.batch.bin
DA Date-Time:	5/18/2022 08:59:15
Calibration Title:	
Calibration Method:	External Calibration
VIS Interpolation Fit:	

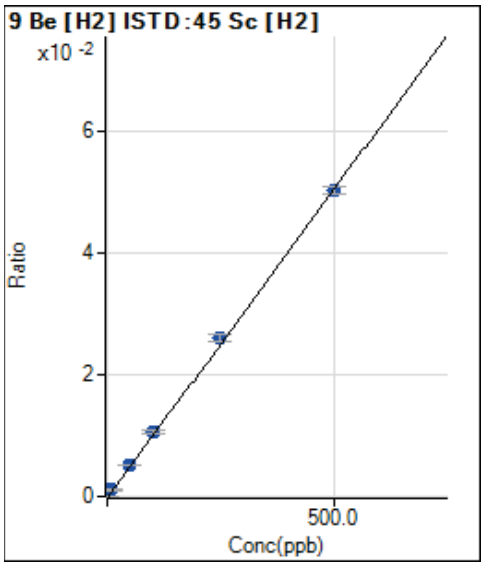
Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	CAL 0	5/17/2022 10:22:58
2	005CALS.d	CAL 1	5/17/2022 10:26:50
3	006CALS.d	CAL 2	5/17/2022 10:30:44
4	007CALS.d	CAL 3	5/17/2022 10:34:37
5	008CALS.d	CAL 4	5/17/2022 10:38:28
6	009CALS.d	CAL 5	5/17/2022 10:42:16
7	010CALS.d	CAL 6	5/17/2022 10:46:02
8	011CALS.d	CAL 7	5/17/2022 10:49:49



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	69.17	0.0000	P	22.8	
2	☐	0.500	0.510	473.34	0.0001	P	5.3	2.0
3	☐	10.000	10.517	8438.22	0.0013	P	4.3	5.2
4	☐	50.000	50.520	38592.54	0.0060	P	4.2	1.0
5	☐	100.000	104.430	81383.47	0.0124	P	4.6	4.4
6	☐	250.000	255.070	200641.93	0.0304	P	5.1	2.0
7	☐	500.000	496.517	383640.42	0.0591	P	2.1	-0.7
8	☐			248.17	0.0000	P	4.8	

y = 1.1903E-004 * x + 1.0268E-005
R = 0.9999
DL = 0.05906 ppb
BEC = 0.08627 ppb

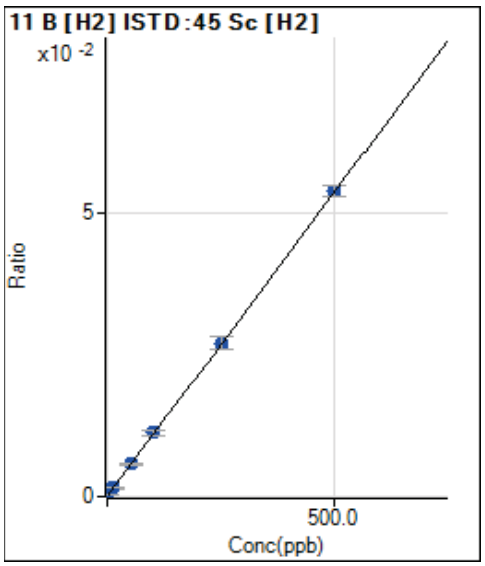
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.50	0.0000	P	33.1	
2	☐	0.200	0.203	143.50	0.0000	P	5.4	1.3
3	☐	10.000	10.644	7229.56	0.0011	P	4.4	6.4
4	☐	50.000	50.972	33163.51	0.0052	P	4.7	1.9
5	☐	100.000	105.027	69748.70	0.0107	P	4.5	5.0
6	☐	250.000	255.741	171510.96	0.0260	P	4.8	2.3
7	☐	500.000	496.014	326794.43	0.0504	P	2.1	-0.8
8	☐			62.67	0.0000	P	18.6	

y = 1.0151E-004 * x + 9.6711E-007
R = 0.9999
DL = 0.009453 ppb
BEC = 0.009527 ppb

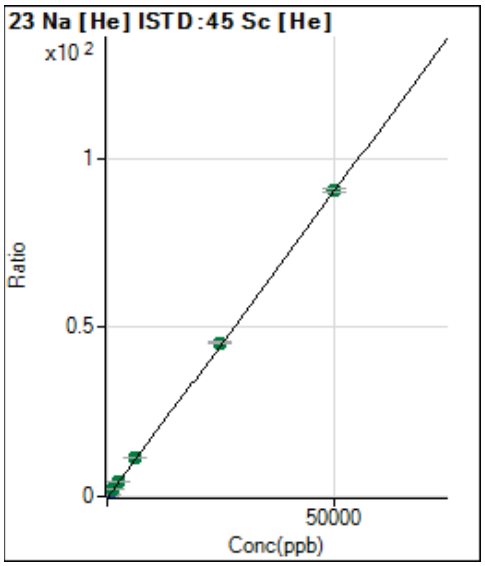
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3083.67	0.0005	P	5.1	
2	☐	10.000	9.610	9899.48	0.0015	P	5.5	-3.9
3	☐	10.000	10.680	10696.58	0.0016	P	7.5	6.8
4	☐	50.000	48.995	36426.04	0.0057	P	4.2	-2.0
5	☐	100.000	101.565	73913.60	0.0113	P	7.9	1.6
6	☐	250.000	249.172	178707.10	0.0270	P	7.6	-0.3
7	☐	500.000	500.196	349388.76	0.0538	P	3.3	0.0
8	☐			4270.56	0.0007	P	3.3	

y = 1.0665E-004 * x + 4.5964E-004
R = 1.0000
DL = 0.6569 ppb
BEC = 4.31 ppb

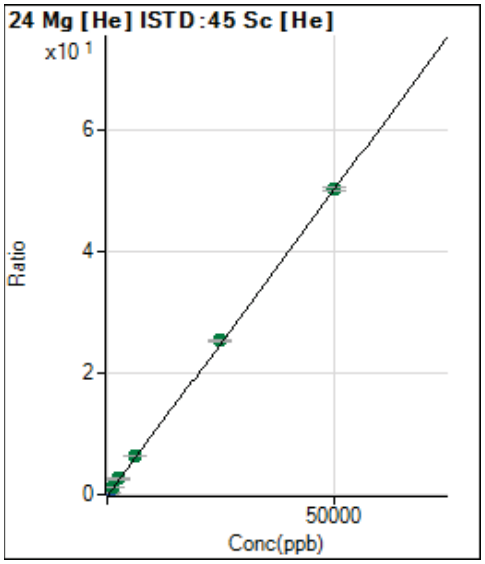
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	18053.87	0.0165	P	1.0	
2	☐	50.000	52.481	122286.07	0.1116	P	1.4	5.0
3	☐	250.000	255.511	529470.49	0.4793	P	0.7	2.2
4	☐	1250.000	1234.556	2422409.39	2.2528	A	1.5	-1.2
5	☐	2500.000	2543.817	5056242.11	4.6243	A	0.4	1.8
6	☐	6250.000	6267.854	12604726.89	11.3700	A	0.6	0.3
7	☐	25000.00	25040.95	50911537.57	45.3754	A	1.6	0.2
8	☐	50000.00	49975.45	99984215.18	90.5415	A	1.4	0.0

y = 0.0018 * x + 0.0165
R = 1.0000
DL = 0.2704 ppb
BEC = 9.114 ppb

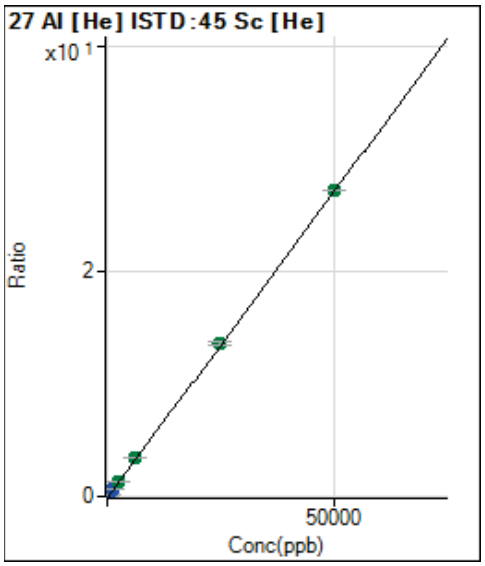
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3605.38	0.0033	P	1.1	
2	☐	30.000	32.411	39356.86	0.0359	P	0.6	8.0
3	☐	250.000	259.224	291743.64	0.2641	P	0.9	3.7
4	☐	1250.000	1235.500	1340299.09	1.2464	A	1.6	-1.2
5	☐	2500.000	2557.423	2817140.48	2.5765	A	1.1	2.3
6	☐	6250.000	6251.566	6976960.52	6.2936	A	0.4	0.0
7	☐	25000.00	25129.06	28373874.58	25.2879	A	1.1	0.5
8	☐	50000.00	49932.71	55485204.17	50.2450	A	1.8	-0.1

y = 0.0010 * x + 0.0033
R = 1.0000
DL = 0.1124 ppb
BEC = 3.276 ppb

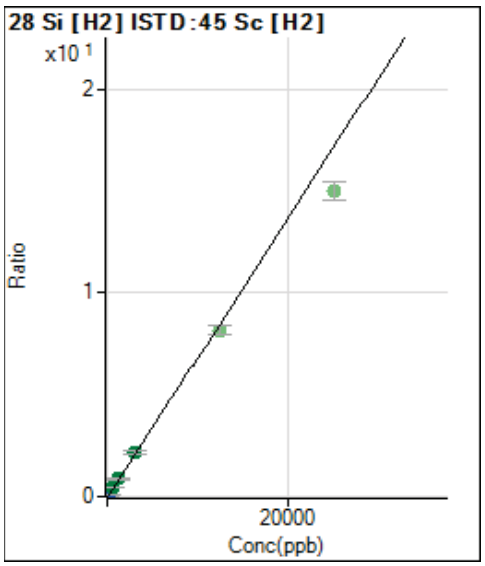
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	256.67	0.0002	P	15.7	
2	☐	30.000	31.688	19184.22	0.0175	P	1.9	5.6
3	☐	250.000	255.376	153972.29	0.1394	P	0.5	2.2
4	☐	1250.000	1242.031	728078.84	0.6771	P	0.9	-0.6
5	☐	2500.000	2531.583	1508685.62	1.3798	A	0.7	1.3
6	☐	6250.000	6204.707	3748680.67	3.3815	A	0.3	-0.7
7	☐	25000.00	25014.01	15294900.67	13.6317	A	1.4	0.1
8	☐	50000.00	49997.24	30089264.00	27.2464	A	0.5	0.0

y = 5.4495E-004 * x + 2.3467E-004
R = 1.0000
DL = 0.2033 ppb
BEC = 0.4306 ppb

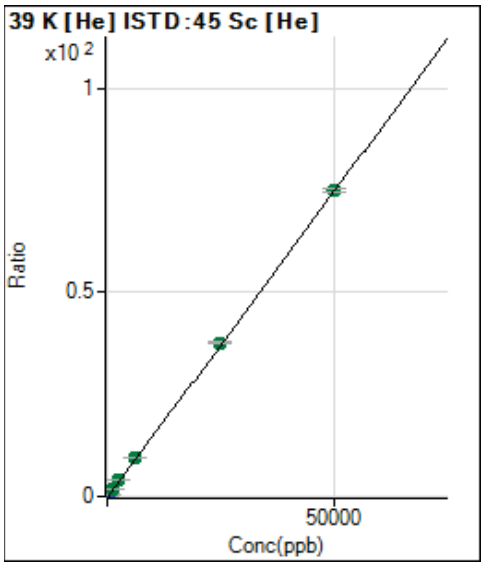
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12742.45	0.0019	P	4.1	
2	☐	100.000	104.475	493267.04	0.0739	P	7.6	4.5
3	☐	125.000	131.092	617451.94	0.0923	P	6.3	4.9
4	☐	625.000	616.412	2736828.42	0.4270	A	5.5	-1.4
5	☐	1250.000	1281.165	5794289.33	0.8854	A	6.5	2.5
6	☐	3125.000	3113.865	14208806.00	2.1492	A	8.3	-0.4
7	☑	12500.00		53092864.00	8.1686	A	5.8	
8	☑	25000.00		97008416.00	14.9922	A	6.1	

y = 6.8959E-004 * x + 0.0019
R = 0.9999
DL = 0.3349 ppb
BEC = 2.754 ppb

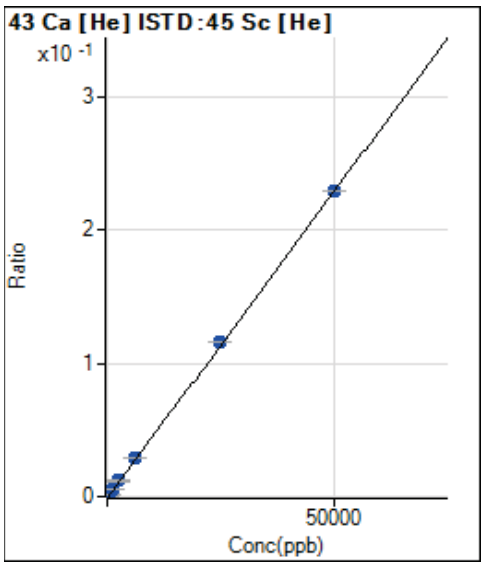
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	133774.35	0.1223	P	0.6	
2	☐	100.000	109.550	313989.21	0.2865	P	0.7	9.6
3	☐	250.000	259.843	565151.04	0.5117	P	2.0	3.9
4	☐	1250.000	1231.765	2116340.54	1.9681	A	1.0	-1.5
5	☐	2500.000	2541.860	4298345.35	3.9313	A	1.3	1.7
6	☐	6250.000	6257.129	10529996.09	9.4986	A	0.5	0.1
7	☐	25000.00	25072.46	42293527.70	37.6932	A	1.1	0.3
8	☐	50000.00	49961.17	82811398.76	74.9887	A	0.8	-0.1

y = 0.0015 * x + 0.1223
R = 1.0000
DL = 1.349 ppb
BEC = 81.63 ppb

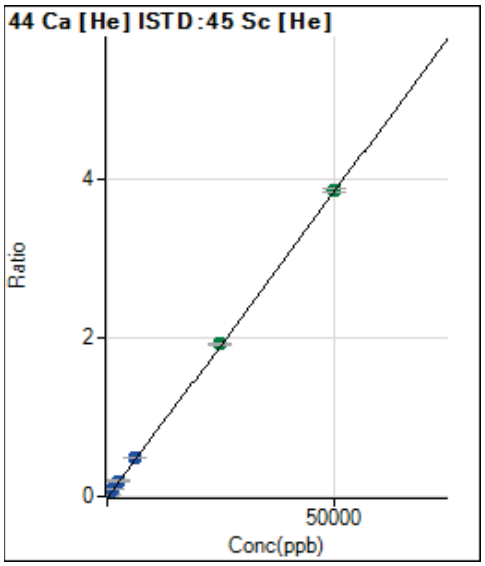
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	10.82	0.0000	P	30.1	
2	☐	100.000	105.364	542.25	0.0005	P	0.8	5.4
3	☐	250.000	248.158	1272.29	0.0012	P	0.8	-0.7
4	☐	1250.000	1237.779	6135.60	0.0057	P	0.3	-1.0
5	☐	2500.000	2563.429	12908.26	0.0118	P	1.8	2.5
6	☐	6250.000	6311.144	32206.45	0.0291	P	0.4	1.0
7	☐	25000.00	25252.85	130397.99	0.1162	P	1.0	1.0
8	☐	50000.00	49863.06	253405.06	0.2295	P	0.5	-0.3

y = 4.6017E-006 * x + 9.8930E-006
R = 1.0000
DL = 1.944 ppb
BEC = 2.15 ppb

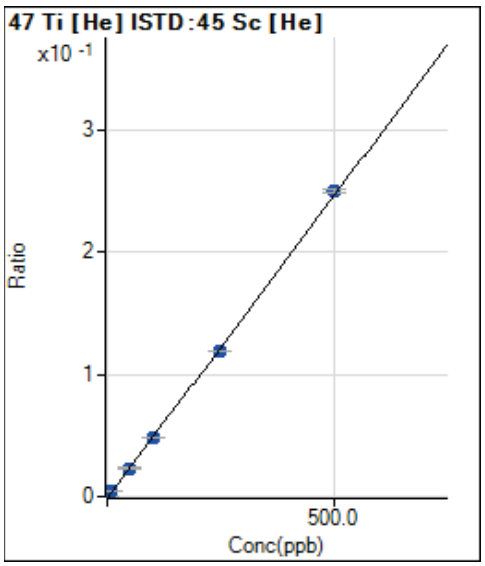
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	189.57	0.0002	P	34.5	
2	☐	100.000	103.541	8935.44	0.0082	P	0.9	3.5
3	☐	250.000	247.297	21243.89	0.0192	P	4.4	-1.1
4	☐	1250.000	1216.867	101018.53	0.0939	P	2.2	-2.7
5	☐	2500.000	2549.516	215008.82	0.1966	P	0.9	2.0
6	☐	6250.000	6304.642	538788.70	0.4860	P	2.1	0.9
7	☐	25000.00	24877.78	2151164.92	1.9173	A	1.7	-0.5
8	☐	50000.00	50052.63	4259964.84	3.8573	A	1.1	0.1

y = 7.7061E-005 * x + 1.7340E-004
R = 1.0000
DL = 2.326 ppb
BEC = 2.25 ppb

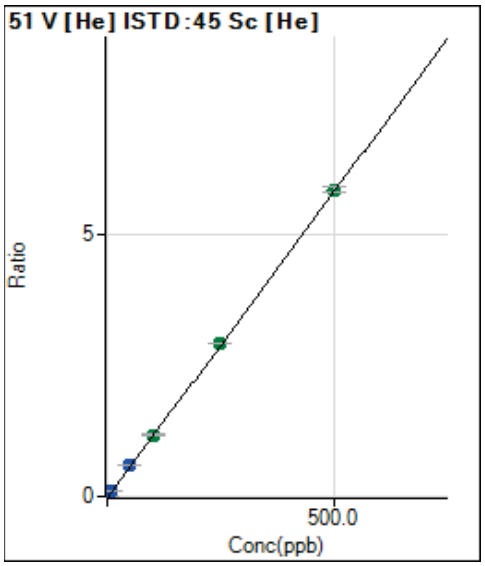
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	124.	
2	☐	1.000	0.981	534.68	0.0005	P	9.9	-1.9
3	☐	10.000	9.731	5313.45	0.0048	P	1.4	-2.7
4	☐	50.000	47.111	25030.50	0.0233	P	0.7	-5.8
5	☐	100.000	97.258	52538.64	0.0481	P	0.9	-2.7
6	☐	250.000	240.557	131748.33	0.1188	P	1.1	-3.8
7	☐	500.000	505.564	280248.62	0.2498	P	0.8	1.1
8	☐			1124.04	0.0010	P	1.5	

y = 4.9403E-004 * x + 3.0424E-006
R = 0.9997
DL = 0.02307 ppb
BEC = 0.006158 ppb

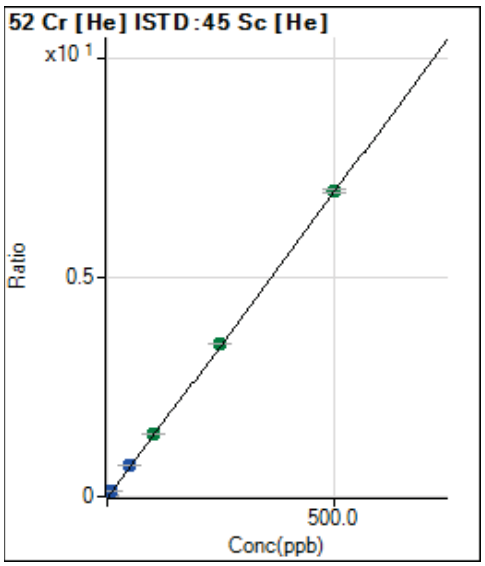
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-1823.94	-0.0017	P	-47.5	
2	☐	1.000	1.072	11902.57	0.0109	P	1.8	7.2
3	☐	10.000	10.217	130044.44	0.1177	P	2.9	2.2
4	☐	50.000	50.623	634443.47	0.5900	P	1.2	1.2
5	☐	100.000	100.862	1287103.30	1.1772	A	1.1	0.9
6	☐	250.000	249.463	3230433.53	2.9140	A	0.7	-0.2
7	☐	500.000	500.029	6555303.21	5.8426	A	1.8	0.0
8	☐			-1668.19	-0.0015	P	-70.5	

y = 0.0117 * x - 0.0017
R = 1.0000
DL = 0.2032 ppb
BEC = -0.1426 ppb

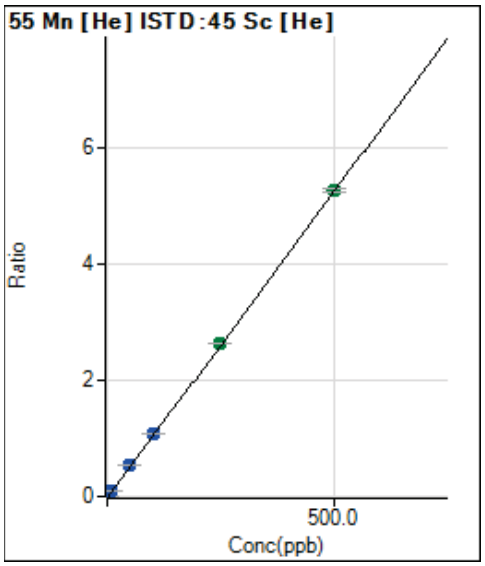
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	581.34	0.0005	P	8.0	
2	☐	2.000	2.095	32665.32	0.0298	P	0.8	4.8
3	☐	10.000	10.392	160933.08	0.1457	P	1.2	3.9
4	☐	50.000	50.866	764730.23	0.7112	P	0.9	1.7
5	☐	100.000	102.033	1559173.50	1.4260	A	0.6	2.0
6	☐	250.000	249.183	3859851.83	3.4818	A	0.4	-0.3
7	☐	500.000	499.907	7836676.50	6.9846	A	1.6	0.0
8	☐			2836.90	0.0026	P	4.3	

y = 0.0140 * x + 5.3152E-004
R = 1.0000
DL = 0.009099 ppb
BEC = 0.03805 ppb

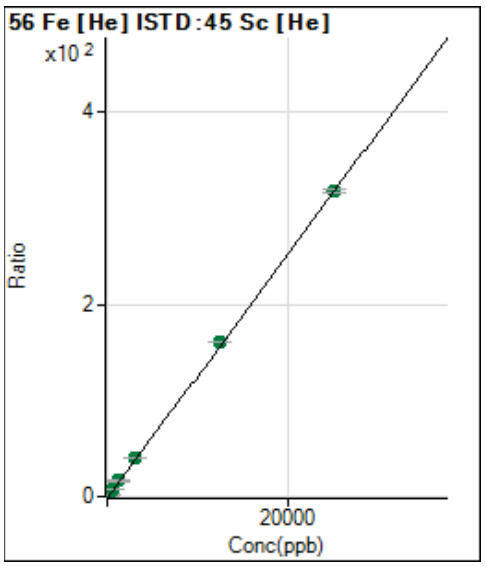
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	973.36	0.0009	P	5.3	
2	☐	0.500	0.521	6998.71	0.0064	P	2.4	4.1
3	☐	10.000	10.346	121596.97	0.1101	P	0.7	3.5
4	☐	50.000	50.615	575417.65	0.5351	P	1.4	1.2
5	☐	100.000	102.832	1187745.08	1.0863	P	0.5	2.8
6	☐	250.000	248.988	2914384.83	2.6289	A	0.4	-0.4
7	☐	500.000	499.871	5920965.67	5.2770	A	0.9	0.0
8	☐			6823.97	0.0062	P	3.7	

y = 0.0106 * x + 8.9000E-004
R = 1.0000
DL = 0.0134 ppb
BEC = 0.08432 ppb

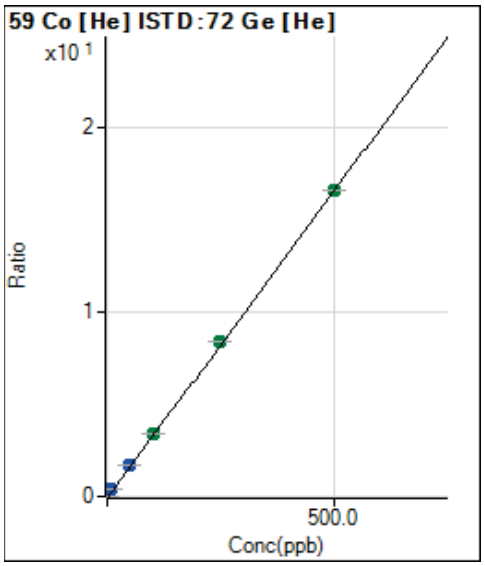
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	17801.42	0.0163	P	1.3	
2	☐	50.000	53.612	768384.04	0.7011	P	0.3	7.2
3	☐	125.000	130.191	1854594.50	1.6792	A	1.6	4.2
4	☐	625.000	626.320	8619843.00	8.0162	A	1.3	0.2
5	☐	1250.000	1277.098	17853582.00	16.3285	A	0.5	2.2
6	☐	3125.000	3157.157	44722581.33	40.3421	A	0.6	1.0
7	☐	12500.00	12637.74	181141290.6	161.436	A	0.7	1.1
8	☐	25000.00	24925.68	351593504.0	318.388	A	1.2	-0.3

y = 0.0128 * x + 0.0163
R = 1.0000
DL = 0.05113 ppb
BEC = 1.274 ppb

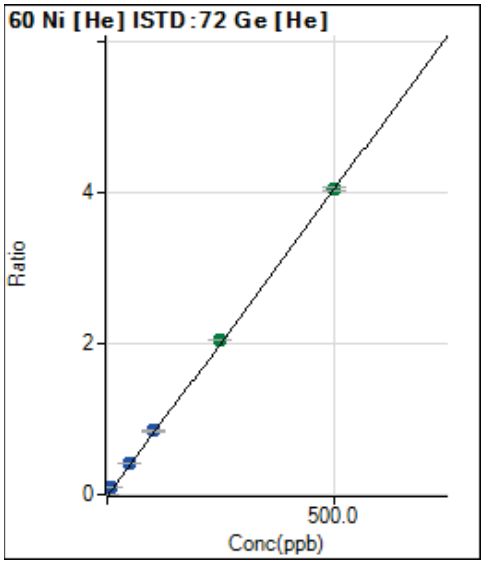
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	108.67	0.0002	P	25.8	
2	☐	0.500	0.541	12336.90	0.0181	P	1.8	8.3
3	☐	10.000	10.582	240474.63	0.3515	P	1.1	5.8
4	☐	50.000	50.521	1134397.17	1.6776	P	0.5	1.0
5	☐	100.000	102.097	2334415.08	3.3900	A	0.0	2.1
6	☐	250.000	251.464	5767475.67	8.3493	A	0.3	0.6
7	☐	500.000	498.785	11403940.00	16.5609	A	0.5	-0.2
8	☐			3653.05	0.0054	P	3.5	

y = 0.0332 * x + 1.6046E-004
R = 1.0000
DL = 0.003734 ppb
BEC = 0.004833 ppb

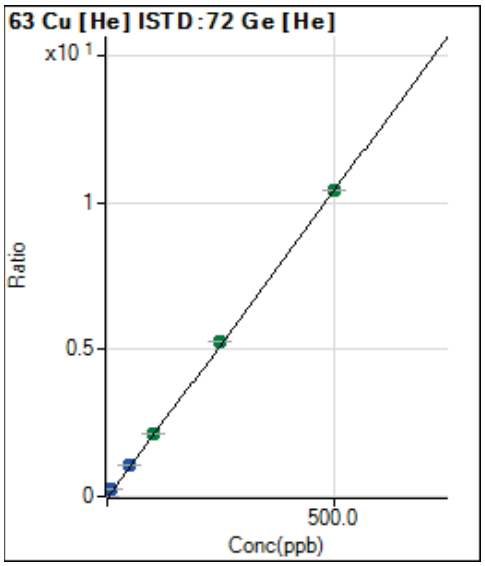
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	914.70	0.0014	P	5.0	
2	☐	0.500	0.534	3872.43	0.0057	P	1.4	6.8
3	☐	10.000	10.480	59193.90	0.0865	P	0.9	4.8
4	☐	50.000	50.943	280852.03	0.4153	P	1.3	1.9
5	☐	100.000	103.550	580399.31	0.8429	P	0.4	3.6
6	☐	250.000	251.749	1414150.92	2.0472	A	0.6	0.7
7	☐	500.000	498.312	2789511.75	4.0509	A	0.8	-0.3
8	☐			1363.39	0.0020	P	9.2	

y = 0.0081 * x + 0.0014
R = 1.0000
DL = 0.02511 ppb
BEC = 0.1662 ppb

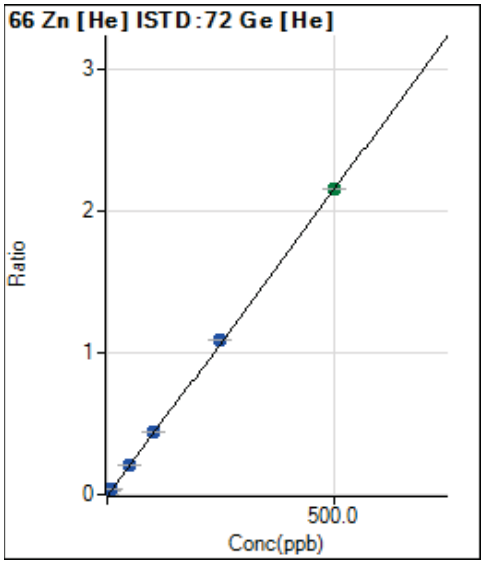
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	334.67	0.0005	P	7.2	
2	☐	1.000	1.206	17519.21	0.0258	P	1.1	20.6
3	☐	10.000	10.680	153367.66	0.2242	P	1.4	6.8
4	☐	50.000	51.411	728404.23	1.0772	P	0.7	2.8
5	☐	100.000	102.719	1481674.50	2.1517	A	0.9	2.7
6	☐	250.000	251.816	3643294.08	5.2743	A	0.8	0.7
7	☐	500.000	498.393	7187917.17	10.4384	A	0.4	-0.3
8	☐			2446.84	0.0036	P	5.3	

y = 0.0209 * x + 4.9417E-004
R = 1.0000
DL = 0.005078 ppb
BEC = 0.0236 ppb

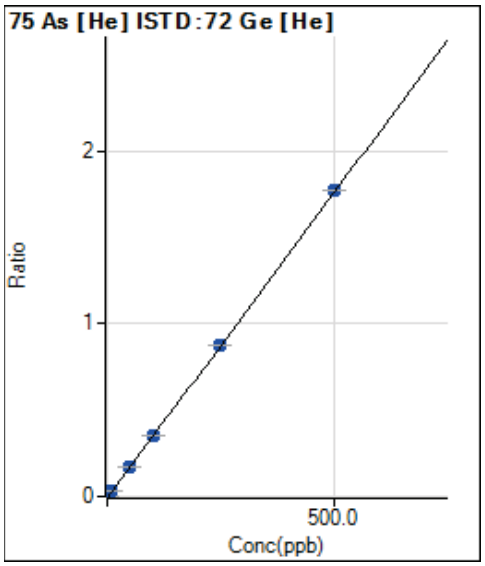
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	236.67	0.0003	P	7.0	
2	☐	5.000	5.219	15561.45	0.0229	P	3.5	4.4
3	☐	10.000	10.072	29986.32	0.0438	P	0.7	0.7
4	☐	50.000	49.295	144126.56	0.2131	P	0.3	-1.4
5	☐	100.000	102.092	303704.21	0.4410	P	0.4	2.1
6	☐	250.000	252.137	752068.50	1.0887	P	0.3	0.9
7	☐	500.000	498.580	1482278.71	2.1525	A	0.4	-0.3
8	☐			2182.81	0.0032	P	1.9	

y = 0.0043 * x + 3.4948E-004
R = 1.0000
DL = 0.01703 ppb
BEC = 0.08096 ppb

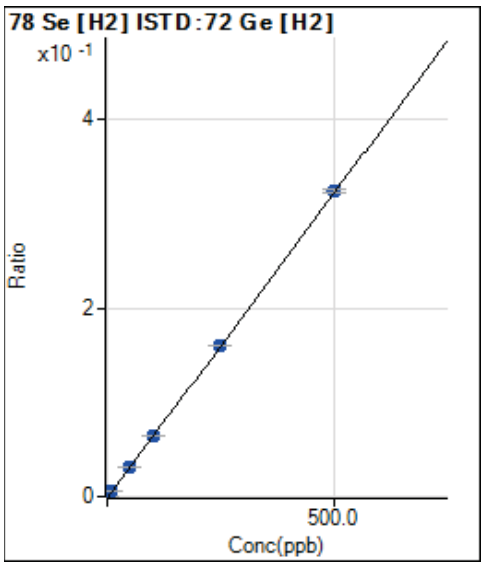
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	283.83	0.0004	P	4.0	
2	☐	0.500	0.501	1489.39	0.0022	P	2.0	0.1
3	☐	10.000	9.857	24132.41	0.0353	P	1.0	-1.4
4	☐	50.000	47.946	114921.35	0.1700	P	1.0	-4.1
5	☐	100.000	98.710	240629.35	0.3495	P	0.7	-1.3
6	☐	250.000	247.814	605576.42	0.8767	P	0.5	-0.9
7	☐	500.000	501.559	1221509.29	1.7739	P	0.5	0.3
8	☐			687.68	0.0010	P	3.6	

y = 0.0035 * x + 4.1918E-004
R = 1.0000
DL = 0.0142 ppb
BEC = 0.1185 ppb

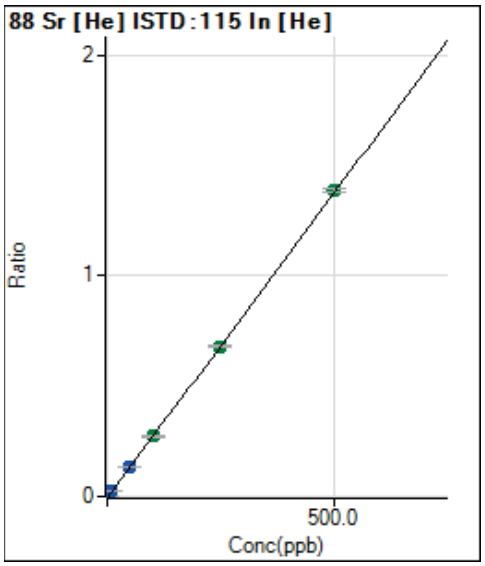
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	18.00	0.0000	P	32.6	
2	☐	0.500	0.512	620.01	0.0003	P	2.6	2.3
3	☐	10.000	10.022	11737.54	0.0065	P	1.8	0.2
4	☐	50.000	47.254	53827.05	0.0306	P	0.6	-5.5
5	☐	100.000	98.860	113735.25	0.0640	P	1.3	-1.1
6	☐	250.000	248.314	287453.95	0.1607	P	0.6	-0.7
7	☐	500.000	501.345	574500.73	0.3245	P	0.7	0.3
8	☐			124.67	0.0001	P	24.7	

y = 6.4720E-004 * x + 9.9538E-006
R = 1.0000
DL = 0.01502 ppb
BEC = 0.01538 ppb

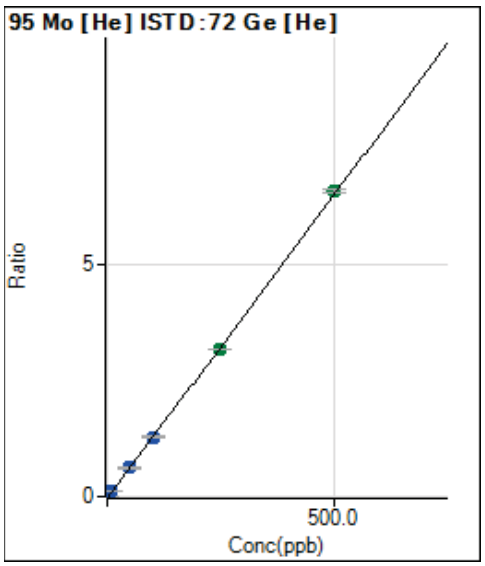
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	235.00	0.0000	P	3.9	
2	☐	0.500	0.485	9911.20	0.0014	P	3.9	-3.1
3	☐	10.000	9.756	195993.60	0.0270	P	1.8	-2.4
4	☐	50.000	48.605	931063.71	0.1344	P	1.5	-2.8
5	☐	100.000	98.579	1935049.76	0.2726	A	0.8	-1.4
6	☐	250.000	246.528	4817545.87	0.6816	A	0.9	-1.4
7	☐	500.000	502.164	9626773.81	1.3883	A	1.5	0.4
8	☐			10344.79	0.0015	P	1.3	

y = 0.0028 * x + 3.2241E-005
R = 1.0000
DL = 0.001374 ppb
BEC = 0.01166 ppb

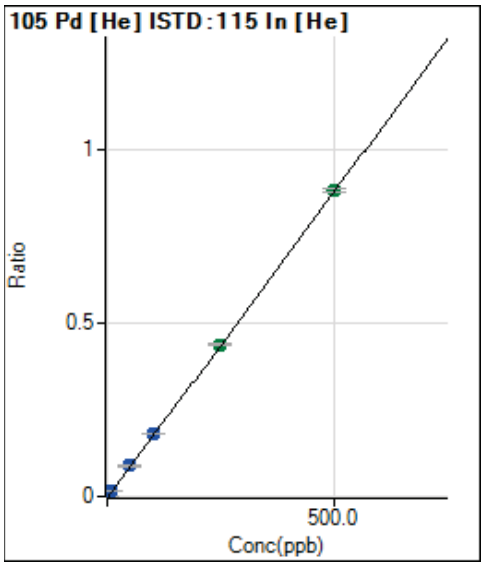
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	25.00	0.0000	P	69.6	
2	☐	0.500	0.509	4558.97	0.0067	P	2.0	1.9
3	☐	10.000	9.877	88447.64	0.1293	P	1.8	-1.2
4	☐	50.000	47.308	418642.61	0.6191	P	1.1	-5.4
5	☐	100.000	98.421	886862.23	1.2880	P	1.3	-1.6
6	☐	250.000	243.005	2196615.75	3.1800	A	0.9	-2.8
7	☐	500.000	504.085	4542281.81	6.5964	A	0.8	0.8
8	☐			1195.05	0.0018	P	6.9	

y = 0.0131 * x + 3.6963E-005
R = 0.9998
DL = 0.005894 ppb
BEC = 0.002825 ppb

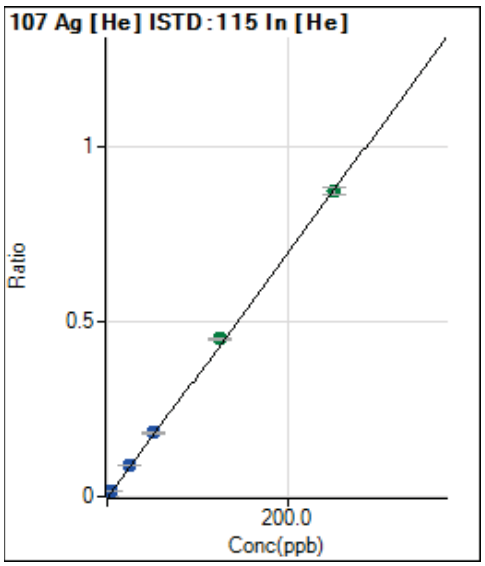
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	36.67	0.0000	P	110.	
2	☐	0.500	0.506	6491.34	0.0009	P	2.4	1.3
3	☐	10.000	10.014	128288.82	0.0177	P	1.7	0.1
4	☐	50.000	49.901	610019.48	0.0881	P	1.5	-0.2
5	☐	100.000	101.538	1272062.71	0.1792	P	1.0	1.5
6	☐	250.000	248.632	3101083.81	0.4387	A	0.9	-0.5
7	☐	500.000	500.386	6122653.03	0.8829	A	1.5	0.1
8	☐			526.68	0.0001	P	32.7	

y = 0.0018 * x + 5.0364E-006
R = 1.0000
DL = 0.009455 ppb
BEC = 0.002854 ppb

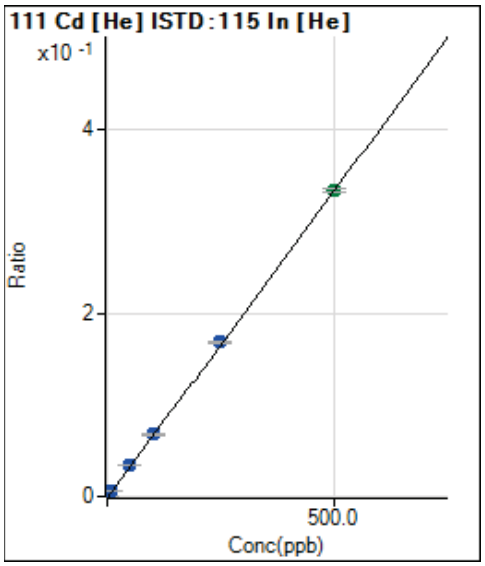
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	931.70	0.0001	P	15.5	
2	☐	0.500	0.443	12171.08	0.0017	P	2.7	-11.
3	☐	5.000	4.756	122317.34	0.0169	P	3.8	-4.9
4	☐	25.000	25.364	618855.73	0.0893	P	1.6	1.5
5	☐	50.000	51.905	1296703.03	0.1826	P	1.9	3.8
6	☐	125.000	128.114	3185273.08	0.4506	A	1.1	2.5
7	☐	250.000	248.031	6048764.49	0.8723	A	1.9	-0.8
8	☐			9179.23	0.0013	P	18.3	

y = 0.0035 * x + 1.2785E-004
R = 0.9999
DL = 0.01688 ppb
BEC = 0.03636 ppb

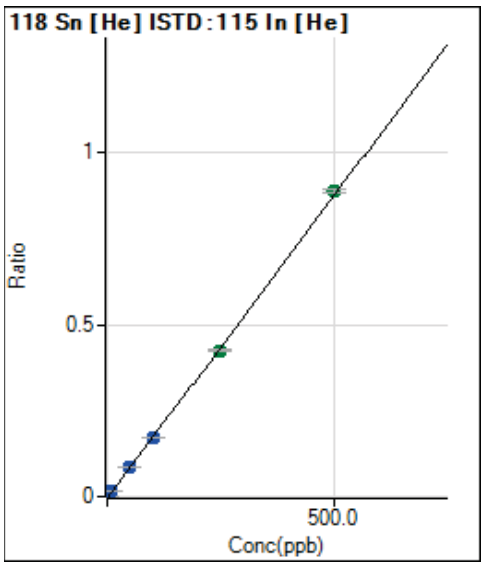
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	173.	
2	☐	0.080	0.067	326.98	0.0000	P	11.4	-16.
3	☐	10.000	9.912	48162.48	0.0066	P	1.4	-0.9
4	☐	50.000	50.018	231957.90	0.0335	P	0.9	0.0
5	☐	100.000	101.045	480226.80	0.0676	P	0.8	1.0
6	☐	250.000	251.798	1191383.73	0.1686	P	1.1	0.7
7	☐	500.000	498.892	2315881.71	0.3340	A	0.6	-0.2
8	☐			287.98	0.0000	P	4.0	

y = 6.6939E-004 * x + 4.5560E-007
R = 1.0000
DL = 0.003537 ppb
BEC = 0.0006806 ppb

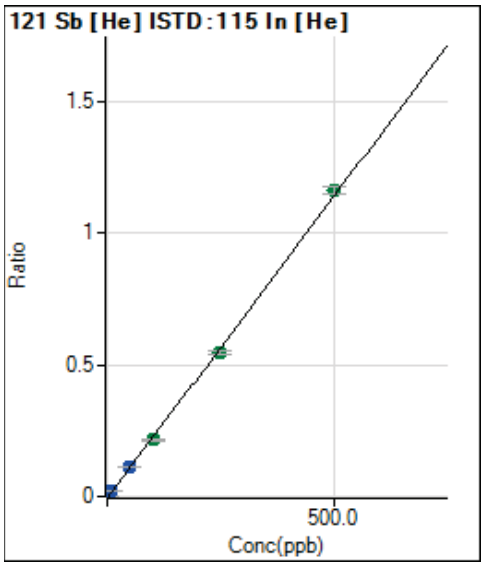
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	180.00	0.0000	P	14.7	
2	☐	0.500	0.483	6311.22	0.0009	P	7.6	-3.4
3	☐	10.000	9.433	120513.43	0.0166	P	1.4	-5.7
4	☐	50.000	48.386	589321.03	0.0851	P	0.9	-3.2
5	☐	100.000	97.347	1214860.45	0.1711	P	0.8	-2.7
6	☐	250.000	240.572	2988760.48	0.4228	A	1.2	-3.8
7	☐	500.000	505.417	6159774.28	0.8883	A	1.3	1.1
8	☐			953.37	0.0001	P	16.3	

y = 0.0018 * x + 2.4692E-005
R = 0.9997
DL = 0.006178 ppb
BEC = 0.01405 ppb

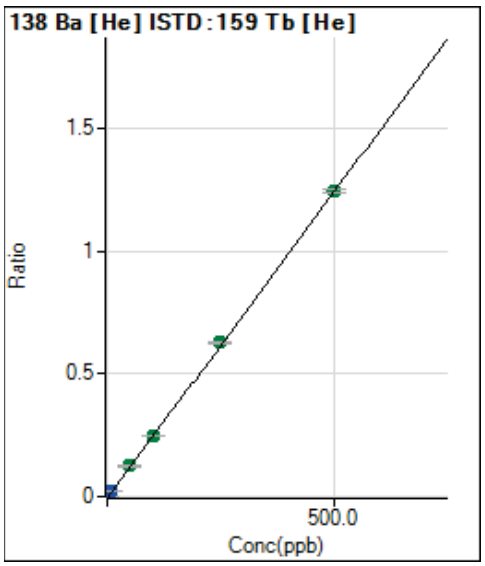
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	98.33	0.0000	P	23.8	
2	☐	0.500	0.509	8522.21	0.0012	P	2.1	1.7
3	☐	10.000	9.399	156541.45	0.0216	P	1.6	-6.0
4	☐	50.000	47.782	759158.87	0.1096	P	1.1	-4.4
5	☐	100.000	93.545	1523061.85	0.2145	A	1.5	-6.5
6	☐	250.000	238.293	3862386.82	0.5464	A	1.7	-4.7
7	☐	500.000	507.378	8067542.17	1.1635	A	2.0	1.5
8	☐			1648.44	0.0002	P	4.4	

y = 0.0023 * x + 1.3486E-005
R = 0.9995
DL = 0.004199 ppb
BEC = 0.005881 ppb

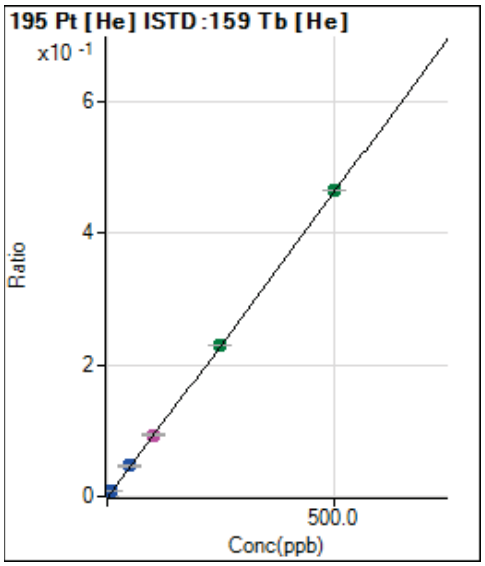
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	160.00	0.0000	P	32.9	
2	☐	0.300	0.307	12601.45	0.0008	P	3.7	2.5
3	☐	10.000	10.189	412012.06	0.0254	P	1.2	1.9
4	☐	50.000	49.629	1937877.78	0.1238	A	0.3	-0.7
5	☐	100.000	99.561	3935619.73	0.2484	A	1.5	-0.4
6	☐	250.000	251.641	9855220.48	0.6277	A	0.7	0.7
7	☐	500.000	499.301	20265918.03	1.2455	A	0.6	-0.1
8	☐			18830.59	0.0012	P	1.9	

y = 0.0025 * x + 9.8802E-006
R = 1.0000
DL = 0.003915 ppb
BEC = 0.003961 ppb

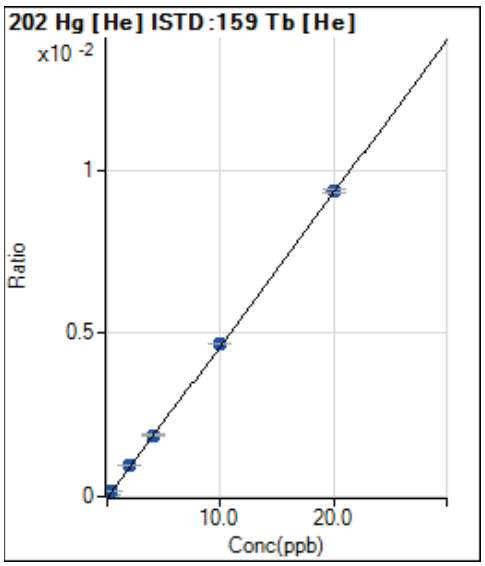
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	93.33	0.0000	P	63.1	
2	☐	0.500	0.519	7908.75	0.0005	P	7.4	3.8
3	☐	10.000	10.024	150866.67	0.0093	P	1.0	0.2
4	☐	50.000	49.997	726415.96	0.0464	P	1.5	0.0
5	☐	100.000	100.753	1482131.23	0.0935	M	1.6	0.8
6	☐	250.000	247.786	3611230.15	0.2300	A	0.4	-0.9
7	☐	500.000	500.956	7566458.64	0.4650	A	0.6	0.2
8	☐			600.03	0.0000	P	19.1	

y = 9.2823E-004 * x + 5.7692E-006
R = 1.0000
DL = 0.01176 ppb
BEC = 0.006215 ppb

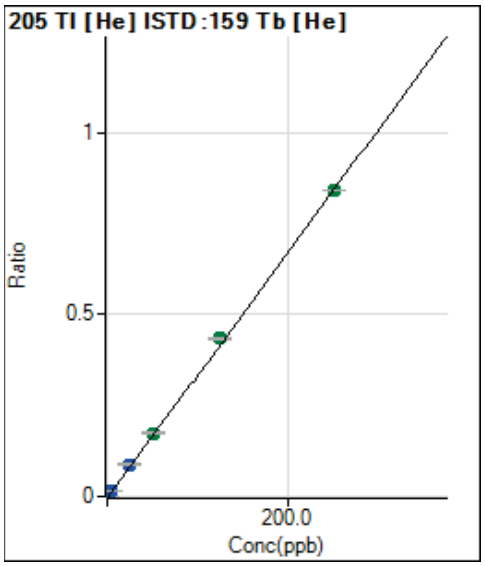
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	80.00	0.0000	P	82.1	
2	☐	0.100	0.087	740.03	0.0000	P	9.7	-13.
3	☐	0.400	0.380	2963.68	0.0002	P	3.9	-5.0
4	☐	2.000	2.023	14907.24	0.0010	P	2.3	1.2
5	☐	4.000	4.003	29778.03	0.0019	P	1.6	0.1
6	☐	10.000	9.997	73551.66	0.0047	P	1.1	0.0
7	☐	20.000	19.999	152411.88	0.0094	P	1.2	0.0
8	☐			700.03	0.0000	P	5.5	

y = 4.6812E-004 * x + 4.9398E-006
R = 1.0000
DL = 0.02599 ppb
BEC = 0.01055 ppb

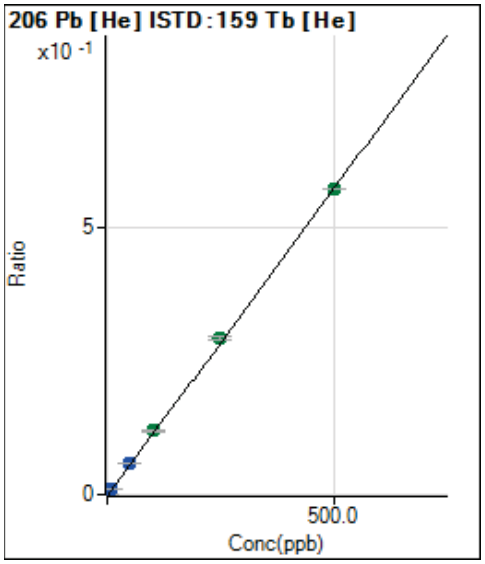
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	786.70	0.0000	P	2.8	
2	☐	0.100	0.092	5862.80	0.0004	P	4.9	-7.7
3	☐	5.000	4.981	274490.45	0.0169	P	3.7	-0.4
4	☐	25.000	26.004	1380996.34	0.0882	P	1.5	4.0
5	☐	50.000	51.113	2747569.75	0.1734	A	2.1	2.2
6	☐	125.000	128.000	6816193.85	0.4342	A	1.2	2.4
7	☐	250.000	248.177	13696413.55	0.8417	A	0.4	-0.7
8	☐			9202.89	0.0006	P	27.1	

y = 0.0034 * x + 4.8588E-005
R = 0.9999
DL = 0.001197 ppb
BEC = 0.01433 ppb

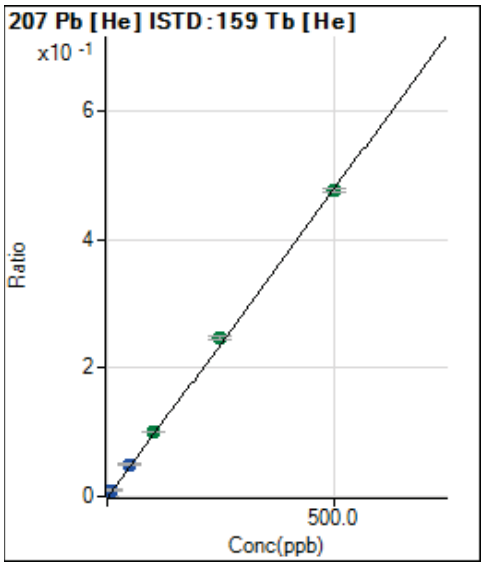
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	98.33	0.0000	P	28.1	
2	☐	0.500	0.525	9904.81	0.0006	P	2.7	4.9
3	☐	10.000	10.285	192069.00	0.0119	P	1.4	2.8
4	☐	50.000	51.368	926068.69	0.0592	P	2.2	2.7
5	☐	100.000	103.336	1886244.50	0.1190	A	2.4	3.3
6	☐	250.000	254.763	4607203.16	0.2935	A	1.8	1.9
7	☐	500.000	496.809	9311871.74	0.5723	A	0.6	-0.6
8	☐			7655.24	0.0005	P	1.0	

y = 0.0012 * x + 6.0737E-006
R = 0.9999
DL = 0.004449 ppb
BEC = 0.005273 ppb

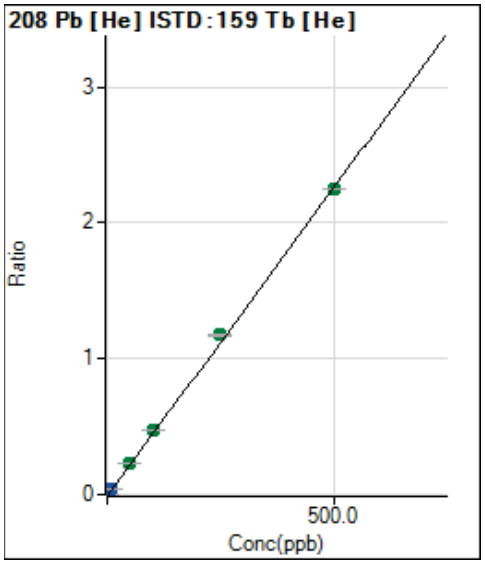
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1000.04	0.0001	P	1.7	
2	☐	0.500	0.524	9176.05	0.0006	P	6.3	4.8
3	☐	10.000	10.315	161752.20	0.0100	P	2.4	3.1
4	☐	50.000	51.600	777593.22	0.0497	P	2.4	3.2
5	☐	100.000	104.047	1586796.38	0.1001	A	1.5	4.0
6	☐	250.000	256.790	3878425.05	0.2470	A	1.6	2.7
7	☐	500.000	495.629	7757538.43	0.4767	A	1.0	-0.9
8	☐			7543.51	0.0005	P	5.5	

y = 9.6177E-004 * x + 6.1763E-005
R = 0.9998
DL = 0.003283 ppb
BEC = 0.06422 ppb

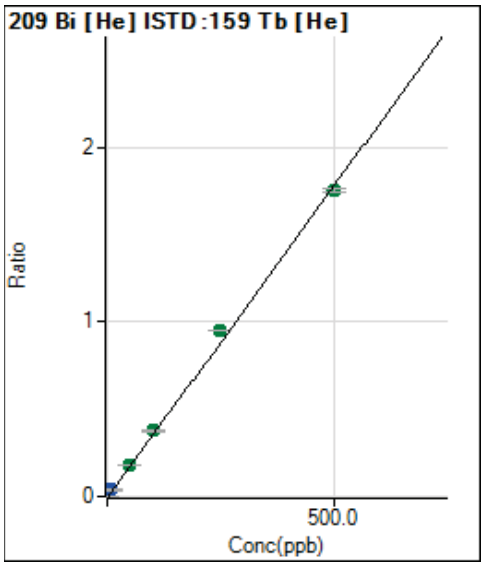
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1313.38	0.0001	P	3.7	
2	☐	0.500	0.519	39550.72	0.0024	P	3.7	3.8
3	☐	10.000	10.242	755220.11	0.0466	P	1.8	2.4
4	☐	50.000	50.543	3594652.81	0.2297	A	1.8	1.1
5	☐	100.000	103.719	7468041.56	0.4713	A	1.4	3.7
6	☐	250.000	258.304	18424418.27	1.1735	A	0.8	3.3
7	☐	500.000	495.045	36595649.46	2.2490	A	0.4	-1.0
8	☐			31301.99	0.0020	P	2.0	

y = 0.0045 * x + 8.1117E-005
R = 0.9998
DL = 0.001967 ppb
BEC = 0.01786 ppb

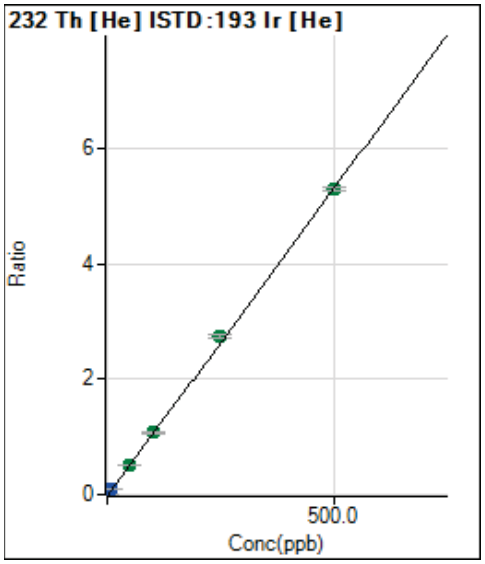
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1643.47	0.0001	P	15.3	
2	☐	0.500	0.508	31090.71	0.0019	P	3.8	1.6
3	☐	10.000	10.374	602501.62	0.0372	P	1.7	3.7
4	☐	50.000	50.611	2832747.67	0.1810	A	2.1	1.2
5	☐	100.000	105.444	5974420.33	0.3770	A	1.6	5.4
6	☐	250.000	266.602	14963948.95	0.9531	A	0.4	6.6
7	☐	500.000	490.542	28533571.24	1.7536	A	0.7	-1.9
8	☐			3307.08	0.0002	P	6.6	

y = 0.0036 * x + 1.0146E-004
R = 0.9991
DL = 0.01302 ppb
BEC = 0.02838 ppb

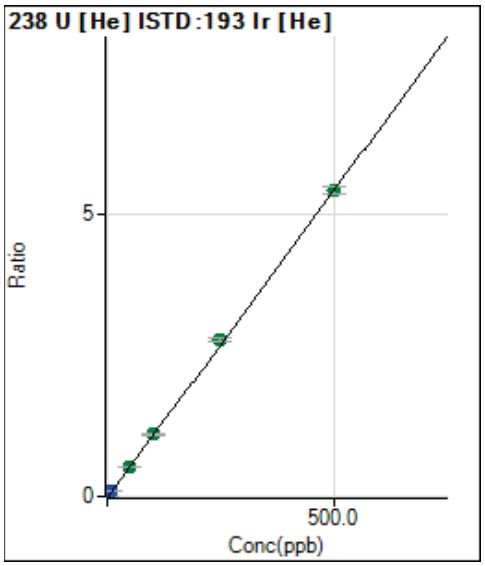
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	58.33	0.0000	P	14.1	
2	☐	0.500	0.487	40288.34	0.0052	P	1.6	-2.7
3	☐	10.000	9.717	807065.09	0.1036	P	0.9	-2.8
4	☐	50.000	47.313	3755907.76	0.5044	A	0.9	-5.4
5	☐	100.000	100.535	8091429.88	1.0718	A	0.8	0.5
6	☐	250.000	256.920	20222414.70	2.7390	A	2.5	2.8
7	☐	500.000	496.707	40026914.40	5.2953	A	1.4	-0.7
8	☐			7762.00	0.0011	P	4.1	

y = 0.0107 * x + 7.4693E-006
R = 0.9998
DL = 0.0002953 ppb
BEC = 0.0007006 ppb

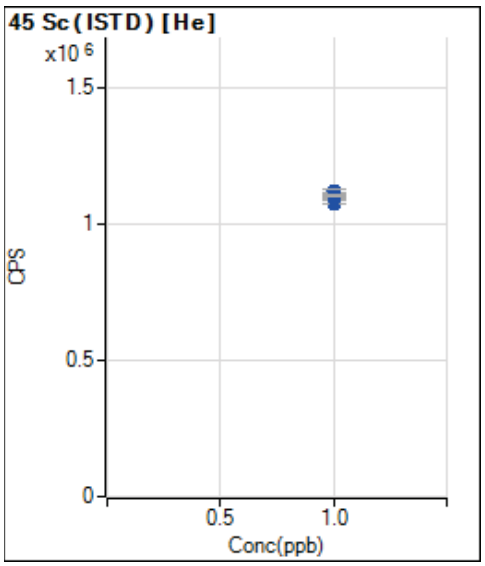
Weight: <None>
Min Conc: <None>



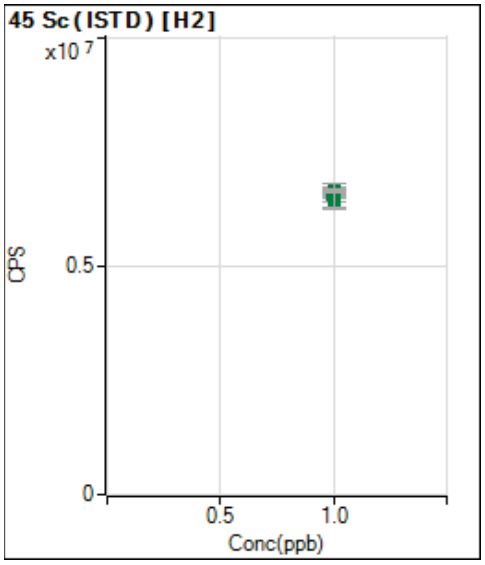
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	91.67	0.0000	P	13.4	
2	☐	0.500	0.487	41254.63	0.0053	P	2.8	-2.7
3	☐	10.000	9.864	838029.05	0.1076	P	0.8	-1.4
4	☐	50.000	48.015	3898808.28	0.5236	A	1.8	-4.0
5	☐	100.000	100.604	8282023.84	1.0970	A	0.8	0.6
6	☐	250.000	255.151	20543041.36	2.7823	A	2.1	2.1
7	☐	500.000	497.505	41001963.56	5.4250	A	2.8	-0.5
8	☐			2861.97	0.0004	P	13.7	

y = 0.0109 * x + 1.1735E-005
R = 0.9999
DL = 0.0004331 ppb
BEC = 0.001076 ppb

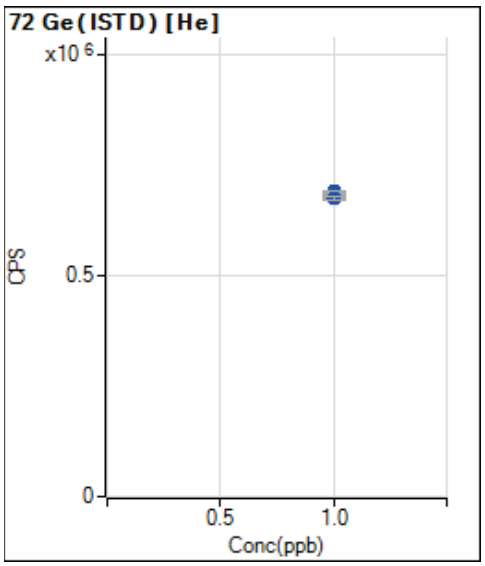
Weight: <None>
Min Conc: <None>



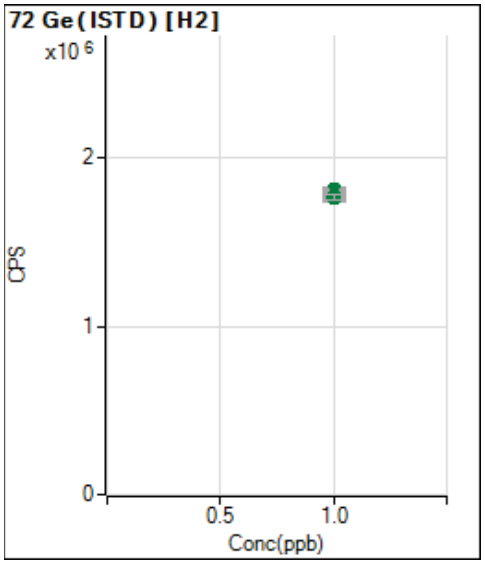
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1093627.00		P	0.3	
2	☐	1.000		1096040.42		P	0.4	
3	☐	1.000		1104547.91		P	0.8	
4	☐	1.000		1075339.50		P	0.4	
5	☐	1.000		1093406.00		P	0.4	
6	☐	1.000		1108587.12		P	0.2	
7	☐	1.000		1122091.87		P	0.8	
8	☐	1.000		1104366.92		P	0.8	



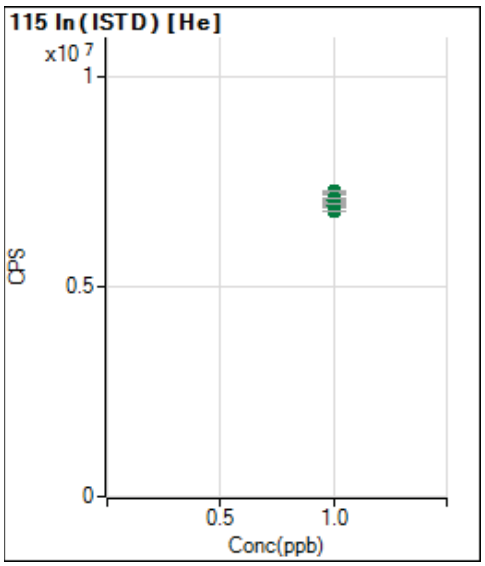
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		6702171.67		A	4.1	
2	☐	1.000		6662067.33		A	2.7	
3	☐	1.000		6678762.67		A	4.0	
4	☐	1.000		6399830.83		A	4.3	
5	☐	1.000		6535445.33		A	3.4	
6	☐	1.000		6600567.83		A	3.1	
7	☐	1.000		6485270.67		A	5.8	
8	☐	1.000		6460711.50		A	5.2	



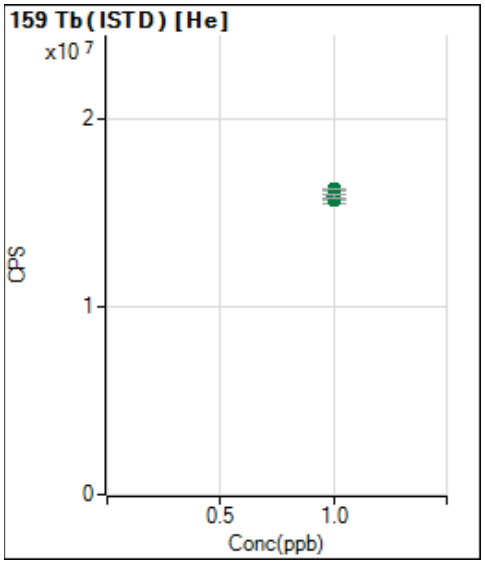
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		677141.46		P	0.3	
2	☐	1.000		680351.69		P	1.1	
3	☐	1.000		684185.54		P	1.1	
4	☐	1.000		676216.79		P	0.4	
5	☐	1.000		688616.38		P	0.7	
6	☐	1.000		690773.98		P	0.3	
7	☐	1.000		688610.67		P	0.4	
8	☐	1.000		673185.19		P	1.0	



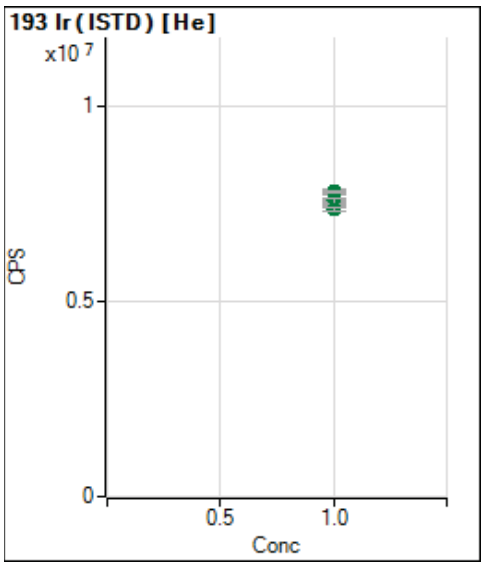
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1813853.50		A	1.9	
2	☐	1.000		1817665.00		A	0.6	
3	☐	1.000		1806887.50		A	1.2	
4	☐	1.000		1759347.17		A	1.5	
5	☐	1.000		1777489.75		A	1.6	
6	☐	1.000		1788615.96		A	1.7	
7	☐	1.000		1770659.33		A	1.8	
8	☐	1.000		1766596.75		A	1.9	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		7289393.47		A	0.3	
2	☐	1.000		7223627.04		A	0.1	
3	☐	1.000		7258568.34		A	0.4	
4	☐	1.000		6928184.51		A	0.9	
5	☐	1.000		7099843.59		A	0.5	
6	☐	1.000		7068790.56		A	0.7	
7	☐	1.000		6935091.63		A	1.2	
8	☐	1.000		6816200.27		A	0.0	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		16192219.34		A	0.4	
2	☐	1.000		16224823.09		A	0.9	
3	☐	1.000		16205396.84		A	0.7	
4	☐	1.000		15653340.60		A	1.8	
5	☐	1.000		15849603.52		A	1.8	
6	☐	1.000		15700546.44		A	0.4	
7	☐	1.000		16271878.51		A	0.4	
8	☐	1.000		15877777.68		A	1.2	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		7817221.97		A	1.0	
2	☐	1.000		7755540.09		A	0.3	
3	☐	1.000		7789919.05		A	0.3	
4	☐	1.000		7446264.06		A	0.3	
5	☐	1.000		7549684.47		A	0.6	
6	☐	1.000		7385515.93		A	1.9	
7	☐	1.000		7559972.18		A	1.4	
8	☐	1.000		7337677.81		A	1.2	

Sample Name	System Blank EPA Tune 365220
Sample Type	CalBlk
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	001CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:10:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.001684	749.5	70.667
Be	9	2	H2	-0.003932		3.833
B	11	2	H2	0.151862	332.5	3203.670
Na	23	1	He	0.906957	24.4	20187.717
Mg	24	1	He	1.326493	22.5	5149.103
Al	27	1	He	-0.006982		256.667
Si	28	2	H2	0.306471	41.2	14225.513
K	39	1	He	-2.049279		132637.813
Ca	43	1	He	0.750957	57.7	14.863
Ca	44	1	He	0.904350	16.2	270.367
Ti	47	1	He	0.007157	56.2	7.333
V	51	1	He	-0.049972		-2504.783
Cr	52	1	He	0.003818	56.8	650.680
Mn	55	1	He	0.011854	70.2	1129.373
Fe	56	1	He	0.236948	13.4	21467.410
Co	59	1	He	0.002459	49.4	166.667
Ni	60	1	He	0.062043	19.2	1276.713
Cu	63	1	He	0.003707	60.4	393.343
Zn	66	1	He	-0.012730		202.667
As	75	1	He	-0.001560		284.667
Se	78	2	H2	0.000067	4583.5	18.000
Sr	88	1	He	0.013135	14.8	498.343
Mo	95	1	He	0.006430	32.6	83.333
Pd	105	1	He	0.007020	17.0	126.667
Ag	107	1	He	2.425486	65.7	62761.713
Cd	111	1	He	0.001019	153.1	8.310
Sn	118	1	He	0.003427	11.4	223.333
Sb	121	1	He	0.001407	169.2	121.667
Ba	138	1	He	0.001143	50.6	205.003
Pt	195	1	He	0.000692	47.7	103.333
Hg	202	1	He	-0.002131		63.333
Tl	205	1	He	0.003322	70.2	965.037
Pb	206	1	He	0.001828	97.7	131.667
Pb	207	1	He	0.006658	73.3	1098.380
Pb	208	1	He	0.003300	46.7	1548.390
Bi	209	1	He	0.005018	25.2	1923.490
Th	232	1	He	0.004076	33.7	395.010
U	238	1	He	0.000625	55.8	143.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100	1112252.333
Sc	45	2	H2	100	6733108.667
Ge	72	1	He	100	688066.833
Ge	72	2	H2	100	1800551.500
In	115	1	He	100	7270684.027
Tb	159	1	He	100	16111948.093
Ir	193	1	He	100	7738778.217

Sample Name	System Blank
Sample Type	CalBlk
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	002CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:15:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.010999	62.7	73.167
Be	9	2	H2	-0.000698		5.667
B	11	2	H2	0.158425	197.3	3010.300
Na	23	1	He	0.562612	60.3	18517.687
Mg	24	1	He	0.779815	12.8	4312.213
Al	27	1	He	-0.039947		225.000
Si	28	2	H2	0.169056	116.9	12727.167
K	39	1	He	5.192883	27.9	137461.237
Ca	43	1	He	0.165706	911.0	11.260
Ca	44	1	He	0.225508	196.1	201.467
Ti	47	1	He	0.005349	124.9	6.000
V	51	1	He	-0.005585		-1829.833
Cr	52	1	He	0.007939	46.8	678.683
Mn	55	1	He	-0.012404		802.020
Fe	56	1	He	0.020374	98.5	17473.107
Co	59	1	He	-0.000612		91.333
Ni	60	1	He	0.025969	22.1	1018.030
Cu	63	1	He	0.002282	179.8	353.337
Zn	66	1	He	-0.014139		188.000
As	75	1	He	0.004687	167.1	284.000
Se	78	2	H2	0.000734	340.1	18.000
Sr	88	1	He	0.005216	16.5	325.010
Mo	95	1	He	0.000497	179.9	28.333
Pd	105	1	He	0.002300	81.9	63.333
Ag	107	1	He	0.058456	12.7	2321.843
Cd	111	1	He	0.000034	3643.3	3.323
Sn	118	1	He	0.002156	115.5	198.333
Sb	121	1	He	0.001733	126.9	121.667
Ba	138	1	He	-0.000262		143.333
Pt	195	1	He	-0.002050		60.000
Hg	202	1	He	-0.001857		63.333
Tl	205	1	He	0.001073	121.0	811.693
Pb	206	1	He	0.000688	208.9	106.667
Pb	207	1	He	0.005878	161.7	1048.380
Pb	208	1	He	0.002200	125.9	1416.717
Bi	209	1	He	0.002807	46.1	1733.473
Th	232	1	He	0.000477	27.6	93.333
U	238	1	He	-0.000233		68.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100	1056624.500
Sc	45	2	H2	100	6307953.333
Ge	72	1	He	100	651709.583
Ge	72	2	H2	100	1723966.750
In	115	1	He	100	6964919.223
Tb	159	1	He	100	15547363.937
Ir	193	1	He	100	7434720.510

Sample Name	System Blank
Sample Type	CalBlk
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	003CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:19:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.006587	159.8	72.667
Be	9	2	H2	-0.005012		3.000
B	11	2	H2	0.088201	350.1	3083.653
Na	23	1	He	1.091991	7.4	20321.190
Mg	24	1	He	0.393321	25.1	4058.820
Al	27	1	He	0.482050	88.5	546.450
Si	28	2	H2	0.022203	683.7	12582.437
K	39	1	He	-0.297401		133971.177
Ca	43	1	He	0.894437	62.7	15.393
Ca	44	1	He	2.514203	23.6	403.490
Ti	47	1	He	0.004860	261.2	6.000
V	51	1	He	-0.036560		-2300.393
Cr	52	1	He	0.016525	129.7	838.843
Mn	55	1	He	0.030062	30.9	1327.387
Fe	56	1	He	0.098751	8.4	19279.623
Co	59	1	He	0.001413	96.0	140.000
Ni	60	1	He	0.002773	474.1	927.360
Cu	63	1	He	0.001581	130.1	356.003
Zn	66	1	He	0.029979	28.5	323.333
As	75	1	He	-0.004431		272.500
Se	78	2	H2	-0.006189		10.667
Sr	88	1	He	0.003608	101.2	303.340
Mo	95	1	He	0.001703	115.2	40.000
Pd	105	1	He	0.002160	154.0	63.333
Ag	107	1	He	0.013493	14.7	1258.390
Cd	111	1	He	0.001399	75.1	9.983
Sn	118	1	He	0.052383	8.4	838.360
Sb	121	1	He	0.002207	113.5	133.333
Ba	138	1	He	0.002888	22.6	276.670
Pt	195	1	He	0.004199	99.9	156.670
Hg	202	1	He	-0.004402		46.667
Tl	205	1	He	0.000421	375.5	810.027
Pb	206	1	He	0.000805	203.0	113.333
Pb	207	1	He	0.006708	78.8	1105.053
Pb	208	1	He	0.002213	34.5	1476.723
Bi	209	1	He	-0.000516		1613.457
Th	232	1	He	0.000308	79.2	83.333
U	238	1	He	-0.000008		90.000

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100	1099268.917
Sc	45	2	H2	100	6565504.000
Ge	72	1	He	100	675252.000
Ge	72	2	H2	100	1792626.747
In	115	1	He	100	7180002.107
Tb	159	1	He	100	16197209.760
Ir	193	1	He	100	7736391.760

Sample Name	CAL 0
Sample Type	CalBlk
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	004CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:22:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.000000	N/A	69.167
Be	9	2	H2	0.000000	N/A	6.500
B	11	2	H2	0.000000	N/A	3083.673
Na	23	1	He	0.000000	N/A	18053.867
Mg	24	1	He	0.000000	N/A	3605.380
Al	27	1	He	0.000000	N/A	256.667
Si	28	2	H2	0.000000	N/A	12742.450
K	39	1	He	0.000000	N/A	133774.347
Ca	43	1	He	0.000000	N/A	10.823
Ca	44	1	He	0.000000	N/A	189.573
Ti	47	1	He	0.000000	N/A	3.333
V	51	1	He	0.000000	N/A	-1823.937
Cr	52	1	He	0.000000	N/A	581.343
Mn	55	1	He	0.000000	N/A	973.363
Fe	56	1	He	0.000000	N/A	17801.423
Co	59	1	He	0.000000	N/A	108.667
Ni	60	1	He	0.000000	N/A	914.697
Cu	63	1	He	0.000000	N/A	334.670
Zn	66	1	He	0.000000	N/A	236.667
As	75	1	He	0.000000	N/A	283.833
Se	78	2	H2	0.000000	N/A	18.000
Sr	88	1	He	0.000000	N/A	235.000
Mo	95	1	He	0.000000	N/A	25.000
Pd	105	1	He	0.000000	N/A	36.667
Ag	107	1	He	0.000000	N/A	931.700
Cd	111	1	He	0.000000	N/A	3.330
Sn	118	1	He	0.000000	N/A	180.000
Sb	121	1	He	0.000000	N/A	98.333
Ba	138	1	He	0.000000	N/A	160.000
Pt	195	1	He	0.000000	N/A	93.333
Hg	202	1	He	0.000000	N/A	80.000
Tl	205	1	He	0.000000	N/A	786.697
Pb	206	1	He	0.000000	N/A	98.333
Pb	207	1	He	0.000000	N/A	1000.043
Pb	208	1	He	0.000000	N/A	1313.377
Bi	209	1	He	0.000000	N/A	1643.467
Th	232	1	He	0.000000	N/A	58.333
U	238	1	He	0.000000	N/A	91.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100	1093627.000
Sc	45	2	H2	100	6702171.667
Ge	72	1	He	100	677141.457
Ge	72	2	H2	100	1813853.500
In	115	1	He	100	7289393.470
Tb	159	1	He	100	16192219.343
Ir	193	1	He	100	7817221.967

Sample Name	CAL 1
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	005CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:26:50
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.510169	6.2	473.343
Be	9	2	H2	0.202564	5.7	143.500
B	11	2	H2	9.610277	7.9	9899.483
Na	23	1	He	52.481338	1.6	122286.067
Mg	24	1	He	32.410644	0.7	39356.857
Al	27	1	He	31.688001	1.9	19184.223
Si	28	2	H2	104.474585	7.8	493267.040
K	39	1	He	109.550297	1.2	313989.207
Ca	43	1	He	105.363926	0.8	542.253
Ca	44	1	He	103.541369	1.0	8935.437
Ti	47	1	He	0.981276	9.9	534.677
V	51	1	He	1.071698	1.5	11902.573
Cr	52	1	He	2.095252	0.8	32665.317
Mn	55	1	He	0.520647	2.8	6998.713
Fe	56	1	He	53.611911	0.3	768384.043
Co	59	1	He	0.541344	1.9	12336.903
Ni	60	1	He	0.534104	1.8	3872.427
Cu	63	1	He	1.206037	1.1	17519.213
Zn	66	1	He	5.218666	3.5	15561.450
As	75	1	He	0.500654	2.5	1489.393
Se	78	2	H2	0.511719	2.7	620.010
Sr	88	1	He	0.484649	4.0	9911.200
Mo	95	1	He	0.509251	2.1	4558.973
Pd	105	1	He	0.506424	2.4	6491.337
Ag	107	1	He	0.442787	2.9	12171.083
Cd	111	1	He	0.066939	11.5	326.977
Sn	118	1	He	0.483058	7.9	6311.220
Sb	121	1	He	0.508608	2.2	8522.207
Ba	138	1	He	0.307473	3.7	12601.453
Pt	195	1	He	0.519050	7.5	7908.747
Hg	202	1	He	0.086831	10.9	740.033
Tl	205	1	He	0.092251	5.7	5862.797
Pb	206	1	He	0.524718	2.7	9904.807
Pb	207	1	He	0.523992	7.1	9176.050
Pb	208	1	He	0.518851	3.9	39550.720
Bi	209	1	He	0.507819	4.0	31090.707
Th	232	1	He	0.486581	1.6	40288.337
U	238	1	He	0.486723	2.8	41254.627

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.2206803	1096040.420
Sc	45	2	H2	99.40162181	6662067.333
Ge	72	1	He	100.4740860	680351.690
Ge	72	2	H2	100.2101329	1817665.003
In	115	1	He	99.09777907	7223627.037
Tb	159	1	He	100.2013544	16224823.093
Ir	193	1	He	99.21094889	7755540.090

Sample Name	CAL 2
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	006CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:30:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	10.516838	4.4	8438.223
Be	9	2	H2	10.644153	4.4	7229.560
B	11	2	H2	10.679562	10.5	10696.580
Na	23	1	He	255.511216	0.7	529470.487
Mg	24	1	He	259.224158	0.9	291743.637
Al	27	1	He	255.375583	0.5	153972.290
Si	28	2	H2	131.091895	6.5	617451.940
K	39	1	He	259.842988	2.6	565151.037
Ca	43	1	He	248.157674	0.8	1272.293
Ca	44	1	He	247.297339	4.4	21243.890
Ti	47	1	He	9.731005	1.4	5313.453
V	51	1	He	10.217011	2.9	130044.440
Cr	52	1	He	10.391587	1.2	160933.083
Mn	55	1	He	10.346105	0.7	121596.967
Fe	56	1	He	130.191067	1.6	1854594.500
Co	59	1	He	10.581871	1.1	240474.633
Ni	60	1	He	10.480496	0.9	59193.900
Cu	63	1	He	10.680209	1.4	153367.660
Zn	66	1	He	10.072232	0.7	29986.320
As	75	1	He	9.857386	1.0	24132.410
Se	78	2	H2	10.022205	1.8	11737.543
Sr	88	1	He	9.756212	1.8	195993.597
Mo	95	1	He	9.877126	1.8	88447.643
Pd	105	1	He	10.013519	1.7	128288.820
Ag	107	1	He	4.755911	3.9	122317.343
Cd	111	1	He	9.911667	1.4	48162.480
Sn	118	1	He	9.433200	1.4	120513.430
Sb	121	1	He	9.399357	1.6	156541.453
Ba	138	1	He	10.189228	1.2	412012.063
Pt	195	1	He	10.023679	1.0	150866.670
Hg	202	1	He	0.380085	4.1	2963.680
Tl	205	1	He	4.980955	3.7	274490.447
Pb	206	1	He	10.284855	1.4	192069.000
Pb	207	1	He	10.314984	2.4	161752.200
Pb	208	1	He	10.241516	1.8	755220.113
Bi	209	1	He	10.373555	1.7	602501.620
Th	232	1	He	9.717434	0.9	807065.093
U	238	1	He	9.864431	0.8	838029.050

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.9985958	1104547.913
Sc	45	2	H2	99.65072515	6678762.667
Ge	72	1	He	101.0402681	684185.543
Ge	72	2	H2	99.61595575	1806887.500
In	115	1	He	99.57712357	7258568.343
Tb	159	1	He	100.0813816	16205396.843
Ir	193	1	He	99.65073376	7789919.050

Sample Name	CAL 3
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	007CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:34:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	50.520079	4.2	38592.537
Be	9	2	H2	50.972075	4.7	33163.510
B	11	2	H2	48.995496	4.6	36426.040
Na	23	1	He	1234.556214	1.5	2422409.393
Mg	24	1	He	1235.499649	1.6	1340299.093
Al	27	1	He	1242.031422	0.9	728078.837
Si	28	2	H2	616.412341	5.5	2736828.417
K	39	1	He	1231.765038	1.0	2116340.543
Ca	43	1	He	1237.779022	0.3	6135.600
Ca	44	1	He	1216.866698	2.2	101018.533
Ti	47	1	He	47.110516	0.7	25030.500
V	51	1	He	50.622866	1.2	634443.470
Cr	52	1	He	50.865941	0.9	764730.230
Mn	55	1	He	50.614672	1.4	575417.647
Fe	56	1	He	626.320138	1.3	8619843.000
Co	59	1	He	50.521466	0.5	1134397.167
Ni	60	1	He	50.942824	1.3	280852.030
Cu	63	1	He	51.411046	0.7	728404.230
Zn	66	1	He	49.294948	0.3	144126.563
As	75	1	He	47.946003	1.0	114921.353
Se	78	2	H2	47.254487	0.6	53827.053
Sr	88	1	He	48.604523	1.5	931063.710
Mo	95	1	He	47.308269	1.1	418642.610
Pd	105	1	He	49.900964	1.5	610019.480
Ag	107	1	He	25.364010	1.6	618855.733
Cd	111	1	He	50.018177	0.9	231957.897
Sn	118	1	He	48.386062	0.9	589321.033
Sb	121	1	He	47.782343	1.1	759158.867
Ba	138	1	He	49.629019	0.3	1937877.783
Pt	195	1	He	49.996756	1.5	726415.957
Hg	202	1	He	2.023306	2.3	14907.240
Tl	205	1	He	26.004053	1.5	1380996.337
Pb	206	1	He	51.368331	2.2	926068.687
Pb	207	1	He	51.600007	2.4	777593.217
Pb	208	1	He	50.543081	1.8	3594652.810
Bi	209	1	He	50.610903	2.1	2832747.667
Th	232	1	He	47.313112	0.9	3755907.757
U	238	1	He	48.015094	1.8	3898808.277

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	98.32781195	1075339.500
Sc	45	2	H2	95.48891242	6399830.833
Ge	72	1	He	99.86344556	676216.790
Ge	72	2	H2	96.99499803	1759347.167
In	115	1	He	95.04473234	6928184.513
Tb	159	1	He	96.67198960	15653340.600
Ir	193	1	He	95.25460692	7446264.057

Sample Name	CAL 4
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	008CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:38:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	104.429732	4.6	81383.470
Be	9	2	H2	105.027184	4.5	69748.700
B	11	2	H2	101.564918	8.2	73913.597
Na	23	1	He	2543.817389	0.4	5056242.110
Mg	24	1	He	2557.422805	1.1	2817140.477
Al	27	1	He	2531.582630	0.7	1508685.623
Si	28	2	H2	1281.165033	6.5	5794289.333
K	39	1	He	2541.859848	1.3	4298345.353
Ca	43	1	He	2563.429470	1.8	12908.263
Ca	44	1	He	2549.516458	0.9	215008.817
Ti	47	1	He	97.258389	0.9	52538.637
V	51	1	He	100.861507	1.1	1287103.300
Cr	52	1	He	102.032909	0.6	1559173.500
Mn	55	1	He	102.832095	0.5	1187745.083
Fe	56	1	He	1277.098105	0.5	17853582.000
Co	59	1	He	102.097350	0.0	2334415.083
Ni	60	1	He	103.550361	0.4	580399.310
Cu	63	1	He	102.718533	0.9	1481674.503
Zn	66	1	He	102.091591	0.4	303704.207
As	75	1	He	98.710076	0.7	240629.347
Se	78	2	H2	98.859667	1.3	113735.250
Sr	88	1	He	98.579152	0.8	1935049.763
Mo	95	1	He	98.420662	1.3	886862.227
Pd	105	1	He	101.537985	1.0	1272062.713
Ag	107	1	He	51.904865	1.9	1296703.027
Cd	111	1	He	101.044925	0.8	480226.800
Sn	118	1	He	97.346916	0.8	1214860.447
Sb	121	1	He	93.544700	1.5	1523061.853
Ba	138	1	He	99.560924	1.5	3935619.730
Pt	195	1	He	100.752779	1.6	1482131.227
Hg	202	1	He	4.002670	1.6	29778.027
Tl	205	1	He	51.113131	2.1	2747569.750
Pb	206	1	He	103.336300	2.4	1886244.503
Pb	207	1	He	104.046783	1.5	1586796.383
Pb	208	1	He	103.718729	1.4	7468041.557
Bi	209	1	He	105.444108	1.6	5974420.330
Th	232	1	He	100.535199	0.8	8091429.880
U	238	1	He	100.603868	0.8	8282023.837

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.97979201	1093406.000
Sc	45	2	H2	97.51235358	6535445.333
Ge	72	1	He	101.6946119	688616.377
Ge	72	2	H2	97.99522103	1777489.747
In	115	1	He	97.39964807	7099843.587
Tb	159	1	He	97.88407123	15849603.517
Ir	193	1	He	96.57758858	7549684.470

Sample Name	CAL 5
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	009CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:42:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	255.069899	5.1	200641.927
Be	9	2	H2	255.740584	4.8	171510.963
B	11	2	H2	249.171541	7.7	178707.103
Na	23	1	He	6267.854195	0.6	12604726.893
Mg	24	1	He	6251.565613	0.4	6976960.523
Al	27	1	He	6204.707037	0.3	3748680.667
Si	28	2	H2	3113.864656	8.3	14208806.000
K	39	1	He	6257.128550	0.5	10529996.090
Ca	43	1	He	6311.143530	0.4	32206.450
Ca	44	1	He	6304.641600	2.1	538788.700
Ti	47	1	He	240.557094	1.1	131748.330
V	51	1	He	249.463248	0.7	3230433.527
Cr	52	1	He	249.183500	0.4	3859851.833
Mn	55	1	He	248.988469	0.4	2914384.833
Fe	56	1	He	3157.156525	0.6	44722581.333
Co	59	1	He	251.463770	0.3	5767475.667
Ni	60	1	He	251.748935	0.6	1414150.917
Cu	63	1	He	251.816058	0.8	3643294.083
Zn	66	1	He	252.137227	0.3	752068.500
As	75	1	He	247.813926	0.5	605576.417
Se	78	2	H2	248.314279	0.6	287453.947
Sr	88	1	He	246.528304	0.9	4817545.867
Mo	95	1	He	243.004916	0.9	2196615.750
Pd	105	1	He	248.631872	0.9	3101083.807
Ag	107	1	He	128.114078	1.1	3185273.080
Cd	111	1	He	251.797691	1.1	1191383.733
Sn	118	1	He	240.572470	1.2	2988760.477
Sb	121	1	He	238.292825	1.7	3862386.820
Ba	138	1	He	251.640636	0.7	9855220.477
Pt	195	1	He	247.785833	0.4	3611230.153
Hg	202	1	He	9.996915	1.1	73551.663
Tl	205	1	He	127.999966	1.2	6816193.853
Pb	206	1	He	254.762777	1.8	4607203.160
Pb	207	1	He	256.790078	1.6	3878425.047
Pb	208	1	He	258.304274	0.8	18424418.267
Bi	209	1	He	266.602135	0.4	14963948.947
Th	232	1	He	256.919827	2.5	20222414.700
U	238	1	He	255.150605	2.1	20543041.360

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.3679365	1108587.123
Sc	45	2	H2	98.48401625	6600567.833
Ge	72	1	He	102.0132464	690773.983
Ge	72	2	H2	98.60862302	1788615.960
In	115	1	He	96.97364523	7068790.563
Tb	159	1	He	96.96352367	15700546.437
Ir	193	1	He	94.47750063	7385515.933

Sample Name	CAL 6
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	010CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:46:02
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	496.516749	2.1	383640.423
Be	9	2	H2	496.014180	2.1	326794.427
B	11	2	H2	500.195900	3.4	349388.760
Na	23	1	He	25040.95008	1.6	50911537.573
Mg	24	1	He	25129.06032	1.1	28373874.580
Al	27	1	He	25014.01501	1.4	15294900.667
Si	28	2	H2	11842.89984	5.8	53092864.000
K	39	1	He	25072.45980	1.1	42293527.700
Ca	43	1	He	25252.85363	1.0	130397.990
Ca	44	1	He	24877.78453	1.7	2151164.917
Ti	47	1	He	505.564141	0.8	280248.617
V	51	1	He	500.029304	1.8	6555303.213
Cr	52	1	He	499.906861	1.6	7836676.500
Mn	55	1	He	499.870937	0.9	5920965.667
Fe	56	1	He	12637.74649	0.7	181141290.667
Co	59	1	He	498.784820	0.5	11403940.000
Ni	60	1	He	498.311534	0.8	2789511.750
Cu	63	1	He	498.393143	0.4	7187917.167
Zn	66	1	He	498.579942	0.4	1482278.710
As	75	1	He	501.559273	0.5	1221509.290
Se	78	2	H2	501.345022	0.7	574500.730
Sr	88	1	He	502.164456	1.5	9626773.813
Mo	95	1	He	504.085031	0.8	4542281.807
Pd	105	1	He	500.386094	1.5	6122653.033
Ag	107	1	He	248.030583	1.9	6048764.493
Cd	111	1	He	498.892121	0.6	2315881.707
Sn	118	1	He	505.417128	1.3	6159774.283
Sb	121	1	He	507.378417	2.0	8067542.173
Ba	138	1	He	499.300806	0.6	20265918.033
Pt	195	1	He	500.956359	0.6	7566458.637
Hg	202	1	He	19.999142	1.2	152411.880
Tl	205	1	He	248.177370	0.4	13696413.550
Pb	206	1	He	496.808797	0.6	9311871.737
Pb	207	1	He	495.629280	1.0	7757538.427
Pb	208	1	He	495.044960	0.4	36595649.457
Bi	209	1	He	490.541541	0.7	28533571.240
Th	232	1	He	496.707400	1.4	40026914.403
U	238	1	He	497.505139	2.8	41001963.557

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.6027954	1122091.873
Sc	45	2	H2	96.76372061	6485270.667
Ge	72	1	He	101.6937686	688610.667
Ge	72	2	H2	97.61865185	1770659.333
In	115	1	He	95.13948805	6935091.630
Tb	159	1	He	100.4919595	16271878.510
Ir	193	1	He	96.70919173	7559972.180

Sample Name	CAL 7
Sample Type	CalStd
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	011CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:49:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.236603	6.5	248.167
Be	9	2	H2	0.085534	20.7	62.667
B	11	2	H2	1.885406	10.8	4270.563
Na	23	1	He	49975.45837	1.4	99984215.177
Mg	24	1	He	49932.71793	1.8	55485204.170
Al	27	1	He	49997.24630	0.5	30089264.000
Si	28	2	H2	21738.13736	6.1	97008416.000
K	39	1	He	49961.17359	0.8	82811398.763
Ca	43	1	He	49863.06277	0.5	253405.057
Ca	44	1	He	50052.63647	1.1	4259964.837
Ti	47	1	He	2.054192	1.5	1124.040
V	51	1	He	0.013823	656.6	-1668.190
Cr	52	1	He	0.145867	5.4	2836.900
Mn	55	1	He	0.501203	4.3	6823.970
Fe	56	1	He	24925.68609	1.2	351593504.000
Co	59	1	He	0.158644	3.6	3653.050
Ni	60	1	He	0.083110	27.6	1363.390
Cu	63	1	He	0.149996	6.1	2446.843
Zn	66	1	He	0.670116	2.2	2182.810
As	75	1	He	0.170416	6.1	687.677
Se	78	2	H2	0.093600	28.8	124.667
Sr	88	1	He	0.537331	1.4	10344.790
Mo	95	1	He	0.132898	7.1	1195.053
Pd	105	1	He	0.040935	34.9	526.680
Ag	107	1	He	0.346599	20.2	9179.230
Cd	111	1	He	0.062436	4.1	287.980
Sn	118	1	He	0.065533	19.8	953.370
Sb	121	1	He	0.099584	4.7	1648.437
Ba	138	1	He	0.471555	1.9	18830.587
Pt	195	1	He	0.034557	22.5	600.027
Hg	202	1	He	0.083625	6.2	700.030
Tl	205	1	He	0.156280	29.6	9202.887
Pb	206	1	He	0.413296	1.0	7655.243
Pb	207	1	He	0.429957	6.4	7543.513
Pb	208	1	He	0.416161	2.1	31301.990
Bi	209	1	He	0.029871	12.9	3307.080
Th	232	1	He	0.098508	4.2	7762.000
U	238	1	He	0.034692	14.1	2861.967

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.9820456	1104366.917
Sc	45	2	H2	96.39728466	6460711.500
Ge	72	1	He	99.41573950	673185.187
Ge	72	2	H2	97.39467658	1766596.750
In	115	1	He	93.50846950	6816200.270
Tb	159	1	He	98.05806939	15877777.680
Ir	193	1	He	93.86554249	7337677.807

Sample Name	ICV
Sample Type	ICV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	012_ICV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:53:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	84.602432	5.4	68494.783
Be	9	2	H2	85.386676	4.8	58902.297
B	11	2	H2	84.395635	4.3	64287.640
Na	23	1	He	2055.950750	0.6	4190870.560
Mg	24	1	He	2067.957641	1.3	2334831.733
Al	27	1	He	2060.124696	0.9	1258061.417
Si	28	2	H2	1059.077275	4.7	4976184.667
K	39	1	He	2033.360974	0.9	3550714.840
Ca	43	1	He	2054.272087	1.4	10601.780
Ca	44	1	He	2029.597065	0.8	175420.973
Ti	47	1	He	78.479958	1.3	43440.197
V	51	1	He	83.565747	0.2	1092419.987
Cr	52	1	He	83.507170	0.9	1307708.500
Mn	55	1	He	84.767634	1.0	1003403.147
Fe	56	1	He	1044.736802	0.9	14968518.667
Co	59	1	He	81.747481	0.7	1912187.417
Ni	60	1	He	83.929785	0.3	481459.803
Cu	63	1	He	85.718930	0.3	1265082.250
Zn	66	1	He	82.324082	0.4	250594.187
As	75	1	He	79.039959	0.5	197184.657
Se	78	2	H2	80.154135	2.0	95108.777
Sr	88	1	He	77.582713	0.1	1562565.913
Mo	95	1	He	80.092631	1.1	738346.943
Pd	105	1	He	82.000035	0.9	1053997.510
Ag	107	1	He	41.198087	3.9	1056127.147
Cd	111	1	He	81.022550	0.7	395073.063
Sn	118	1	He	80.138164	1.7	1026099.253
Sb	121	1	He	77.798567	1.4	1299581.440
Ba	138	1	He	80.725682	1.5	3304777.557
Pt	195	1	He	82.223492	1.1	1252731.620
Hg	202	1	He	3.785861	0.1	29167.020
Tl	205	1	He	39.805629	0.3	2216375.280
Pb	206	1	He	80.777655	1.2	1527106.750
Pb	207	1	He	87.152466	0.9	1376679.510
Pb	208	1	He	82.743597	0.7	6170369.650
Bi	209	1	He	84.769681	1.4	4974519.820
Th	232	1	He	79.739731	1.2	6667158.443
U	238	1	He	77.220550	1.2	6604243.650

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.4479933	1120398.917
Sc	45	2	H2	101.3364474	6791742.667
Ge	72	1	He	104.0395828	704495.147
Ge	72	2	H2	101.0806411	1833454.747
In	115	1	He	99.93216568	7284448.760
Tb	159	1	He	101.3577148	16412063.507
Ir	193	1	He	100.3411058	7843886.967

Sample Name	ICB
Sample Type	ICB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	013_ICB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 10:57:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.109994	3.6	160.333
Be	9	2	H2	0.057650	11.3	46.833
B	11	2	H2	1.234528	14.5	4057.173
Na	23	1	He	2.328828	9.7	23136.187
Mg	24	1	He	-0.189264		3467.030
Al	27	1	He	0.918723	7.8	820.687
Si	28	2	H2	7.801020	8.2	49988.857
K	39	1	He	0.413038	170.1	137238.090
Ca	43	1	He	1.290338	41.6	17.660
Ca	44	1	He	0.952781	24.2	275.577
Ti	47	1	He	0.005940	127.7	6.667
V	51	1	He	0.000269	7060.7	-1856.400
Cr	52	1	He	0.006639	45.9	696.683
Mn	55	1	He	-0.040751		513.343
Fe	56	1	He	0.323300	25.2	22775.670
Co	59	1	He	0.004982	52.0	222.667
Ni	60	1	He	-0.054114		622.680
Cu	63	1	He	0.020696	5.6	634.010
Zn	66	1	He	0.003118	316.0	248.000
As	75	1	He	0.005508	4.5	299.833
Se	78	2	H2	0.013300	19.3	34.667
Sr	88	1	He	0.002042	132.8	276.673
Mo	95	1	He	0.012827	20.0	140.000
Pd	105	1	He	0.009038	35.6	153.337
Ag	107	1	He	0.210570	16.7	6344.583
Cd	111	1	He	0.017369	11.9	88.293
Sn	118	1	He	0.020214	14.8	440.010
Sb	121	1	He	0.012124	37.8	301.673
Ba	138	1	He	0.007086	20.3	456.680
Pt	195	1	He	0.007223	37.6	206.673
Hg	202	1	He	0.033318	41.9	340.010
Tl	205	1	He	0.066643	20.8	4552.370
Pb	206	1	He	0.019344	14.1	470.010
Pb	207	1	He	0.015784	75.9	1276.733
Pb	208	1	He	0.018231	18.5	2718.450
Bi	209	1	He	0.005650	103.2	2016.837
Th	232	1	He	0.009010	16.6	826.700
U	238	1	He	0.006378	29.6	648.353

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.0773572	1116345.540
Sc	45	2	H2	102.3746606	6861325.500
Ge	72	1	He	100.9436821	683531.520
Ge	72	2	H2	102.8954999	1866373.627
In	115	1	He	100.2260448	7305870.770
Tb	159	1	He	102.4310749	16585864.337
Ir	193	1	He	102.2799153	7995448.007

Sample Name	ICB
Sample Type	ICB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	014_ICB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:00:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.077377	1.6	133.833
Be	9	2	H2	0.028943	10.6	26.833
B	11	2	H2	0.700267	77.5	3670.443
Na	23	1	He	1.344334	19.1	21305.640
Mg	24	1	He	-0.791655		2811.900
Al	27	1	He	0.357371	20.1	483.010
Si	28	2	H2	3.847113	13.4	31301.863
K	39	1	He	-0.507135		136712.043
Ca	43	1	He	0.211507	190.1	12.217
Ca	44	1	He	0.467934	145.7	235.493
Ti	47	1	He	0.005850	94.7	6.667
V	51	1	He	0.022813	75.8	-1574.723
Cr	52	1	He	0.003325	30.2	650.017
Mn	55	1	He	-0.046858		444.677
Fe	56	1	He	-0.058222		17471.113
Co	59	1	He	0.000391	145.1	119.333
Ni	60	1	He	-0.065598		562.677
Cu	63	1	He	0.013110	16.9	528.677
Zn	66	1	He	0.003768	374.9	251.333
As	75	1	He	0.001242	327.8	291.500
Se	78	2	H2	0.009577	15.9	30.000
Sr	88	1	He	0.002150	38.6	281.677
Mo	95	1	He	0.004042	82.4	61.667
Pd	105	1	He	0.007398	53.4	133.337
Ag	107	1	He	0.051553	14.7	2278.507
Cd	111	1	He	0.014886	46.4	76.647
Sn	118	1	He	0.011787	18.3	335.010
Sb	121	1	He	0.003874	41.7	165.000
Ba	138	1	He	0.003047	26.1	290.007
Pt	195	1	He	0.005269	84.9	176.670
Hg	202	1	He	0.016089	54.5	206.673
Tl	205	1	He	0.013673	23.1	1576.760
Pb	206	1	He	0.007878	15.0	251.673
Pb	207	1	He	0.005425	87.0	1111.720
Pb	208	1	He	0.008559	16.7	1991.747
Bi	209	1	He	0.004036	43.9	1923.503
Th	232	1	He	0.002468	42.5	268.337
U	238	1	He	0.001921	13.5	260.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.8359797	1124642.040
Sc	45	2	H2	102.5086371	6870304.833
Ge	72	1	He	101.6127418	688062.000
Ge	72	2	H2	102.3742477	1856918.877
In	115	1	He	101.1695363	7374645.573
Tb	159	1	He	102.5419101	16603811.003
Ir	193	1	He	101.8860280	7964656.967

Sample Name	CRDL
Sample Type	CRDL
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	015CRD.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:04:22
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.576017	6.2	551.010
Be	9	2	H2	0.241971	1.9	178.333
B	11	2	H2	10.663904	10.3	11156.870
Na	23	1	He	52.169972	1.4	125308.807
Mg	24	1	He	30.938082	0.7	38862.343
Al	27	1	He	31.460536	1.6	19617.340
Si	28	2	H2	107.518229	4.0	531510.843
K	39	1	He	102.914605	2.5	312160.067
Ca	43	1	He	102.079995	4.0	541.360
Ca	44	1	He	102.816305	2.7	9139.720
Ti	47	1	He	1.064968	3.2	597.343
V	51	1	He	1.008817	5.2	11432.217
Cr	52	1	He	2.087751	2.3	33522.213
Mn	55	1	He	0.479131	3.0	6713.267
Fe	56	1	He	53.417567	1.0	788573.647
Co	59	1	He	0.540056	2.6	12509.703
Ni	60	1	He	0.448004	5.0	3452.340
Cu	63	1	He	1.106259	2.2	16363.457
Zn	66	1	He	5.127540	1.9	15547.437
As	75	1	He	0.495006	4.3	1500.230
Se	78	2	H2	0.489279	6.4	614.677
Sr	88	1	He	0.495182	1.8	10379.823
Mo	95	1	He	0.531964	2.6	4839.060
Pd	105	1	He	0.543185	5.1	7138.320
Ag	107	1	He	0.449699	5.4	12663.053
Cd	111	1	He	0.085738	4.2	428.560
Sn	118	1	He	0.490150	2.8	6564.643
Sb	121	1	He	0.502851	1.5	8642.263
Ba	138	1	He	0.305246	2.4	12876.673
Pt	195	1	He	0.511012	4.3	8015.490
Hg	202	1	He	0.150689	3.8	1260.080
Tl	205	1	He	0.097102	7.1	6309.643
Pb	206	1	He	0.517899	1.8	10059.913
Pb	207	1	He	0.520317	0.5	9384.483
Pb	208	1	He	0.518141	0.7	40645.223
Bi	209	1	He	0.521463	3.1	32804.073
Th	232	1	He	0.490189	0.9	41802.460
U	238	1	He	0.485135	1.8	42352.307

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.2247280	1128893.497
Sc	45	2	H2	104.2361095	6986083.000
Ge	72	1	He	102.1246427	691528.293
Ge	72	2	H2	103.7590182	1882036.583
In	115	1	He	101.6303701	7408237.563
Tb	159	1	He	103.0930338	16693050.167
Ir	193	1	He	102.1914061	7988529.050

Sample Name	ICSA
Sample Type	ICSA
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	016ICSA.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:07:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.217708	7.3	236.667
Be	9	2	H2	0.024340	19.5	22.500
B	11	2	H2	0.319905	58.4	3227.017
Na	23	1	He	26334.75532	0.9	52583800.883
Mg	24	1	He	25841.62796	1.2	28655590.407
Al	27	1	He	25489.27325	1.1	15306559.667
Si	28	2	H2	2.533991	14.2	23867.557
K	39	1	He	25907.81402	1.1	42914571.027
Ca	43	1	He	25434.81341	1.3	128983.683
Ca	44	1	He	25687.17366	0.2	2181626.340
Ti	47	1	He	490.303900	1.1	266915.690
V	51	1	He	0.002582	2444.8	-1803.647
Cr	52	1	He	0.239094	2.5	4266.517
Mn	55	1	He	-0.010736		856.023
Fe	56	1	He	26291.76964	1.4	370062762.667
Co	59	1	He	0.056891	6.1	1368.057
Ni	60	1	He	-0.016340		812.023
Cu	63	1	He	0.072501	6.8	1343.390
Zn	66	1	He	0.144964	8.4	650.680
As	75	1	He	0.046550	4.4	389.500
Se	78	2	H2	0.040927	43.4	65.333
Sr	88	1	He	0.244641	10.0	4982.427
Mo	95	1	He	537.052400	0.5	4689323.890
Pd	105	1	He	0.004673	21.3	93.333
Ag	107	1	He	0.036380	21.3	1798.453
Cd	111	1	He	-0.024696		-113.400
Sn	118	1	He	0.014273	8.4	350.010
Sb	121	1	He	0.011481	22.1	280.007
Ba	138	1	He	0.009423	9.3	543.347
Pt	195	1	He	0.001945	47.5	123.333
Hg	202	1	He	0.009528	74.0	153.337
Tl	205	1	He	0.012222	32.4	1463.413
Pb	206	1	He	0.016181	34.0	401.677
Pb	207	1	He	0.007559	78.5	1123.387
Pb	208	1	He	0.013810	21.8	2340.097
Bi	209	1	He	-0.000523		1620.117
Th	232	1	He	0.003795	18.4	370.010
U	238	1	He	0.001933	30.8	253.337

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.7684027	1102030.460
Sc	45	2	H2	97.41916488	6529199.667
Ge	72	1	He	98.54141751	667264.790
Ge	72	2	H2	98.63955624	1789177.043
In	115	1	He	96.47908511	7032740.130
Tb	159	1	He	100.4818415	16270240.177
Ir	193	1	He	98.61192168	7708712.803

Sample Name	ICSAB
Sample Type	ICSB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	017ICSB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:11:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	103.158491	4.6	82365.987
Be	9	2	H2	105.937984	4.0	72071.723
B	11	2	H2	98.244158	8.1	73361.417
Na	23	1	He	27980.91048	1.2	57351577.480
Mg	24	1	He	27542.66598	1.5	31350791.197
Al	27	1	He	27294.99455	1.5	16825088.000
Si	28	2	H2	1246.366289	7.2	5776280.167
K	39	1	He	27745.45432	1.6	47165904.297
Ca	43	1	He	27399.74023	0.7	142642.127
Ca	44	1	He	27322.52582	1.5	2381763.513
Ti	47	1	He	577.397176	1.0	322673.397
V	51	1	He	105.065421	2.5	1386962.323
Cr	52	1	He	103.906977	1.4	1642638.330
Mn	55	1	He	103.342463	1.6	1234820.917
Fe	56	1	He	26648.17958	1.9	385004586.667
Co	59	1	He	105.655498	0.6	2418851.250
Ni	60	1	He	105.840403	0.3	593997.707
Cu	63	1	He	103.213157	0.8	1490741.750
Zn	66	1	He	103.245863	0.8	307530.157
As	75	1	He	102.400262	0.5	249946.150
Se	78	2	H2	102.927697	1.0	121404.383
Sr	88	1	He	101.162099	0.7	1981308.097
Mo	95	1	He	611.532845	0.7	5517646.583
Pd	105	1	He	98.293186	0.6	1228716.153
Ag	107	1	He	50.264754	3.5	1253084.850
Cd	111	1	He	101.508815	0.4	481366.210
Sn	118	1	He	99.503563	0.7	1239038.600
Sb	121	1	He	97.593845	1.2	1585388.623
Ba	138	1	He	102.094213	0.0	4185997.650
Pt	195	1	He	98.802881	0.4	1507554.927
Hg	202	1	He	3.883093	1.2	29958.427
Tl	205	1	He	50.226002	0.6	2800630.687
Pb	206	1	He	100.207026	1.1	1897312.577
Pb	207	1	He	100.013397	1.9	1582083.363
Pb	208	1	He	100.192851	0.9	7482717.963
Bi	209	1	He	100.049395	0.8	5879870.957
Th	232	1	He	99.758214	1.1	8257111.130
U	238	1	He	100.301055	0.8	8491847.790

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.4451645	1131304.250
Sc	45	2	H2	99.89791865	6695330.000
Ge	72	1	He	101.8279636	689519.357
Ge	72	2	H2	100.4649631	1822287.250
In	115	1	He	97.18447274	7084158.610
Tb	159	1	He	101.5103730	16436782.257
Ir	193	1	He	99.32126889	7764164.050

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	018_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:15:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.248261	5.4	68357.947
Be	9	2	H2	81.949594	4.8	58026.490
B	11	2	H2	80.064528	5.6	62762.497
Na	23	1	He	2056.746694	0.9	4228305.143
Mg	24	1	He	2061.087722	0.7	2347024.757
Al	27	1	He	2011.395929	0.5	1238813.413
Si	28	2	H2	1003.345634	5.2	4840090.500
K	39	1	He	2004.407950	0.3	3532113.490
Ca	43	1	He	2026.899045	0.9	10550.630
Ca	44	1	He	2026.910795	1.5	176682.480
Ti	47	1	He	77.476690	0.6	43252.463
V	51	1	He	82.146736	1.0	1082977.737
Cr	52	1	He	83.081448	0.5	1312119.707
Mn	55	1	He	84.023658	0.8	1003093.000
Fe	56	1	He	1044.447381	1.3	15092055.667
Co	59	1	He	81.977855	1.4	1921163.373
Ni	60	1	He	83.640072	1.2	480694.857
Cu	63	1	He	85.912879	0.5	1270300.040
Zn	66	1	He	82.145566	0.4	250527.343
As	75	1	He	79.251650	0.3	198084.213
Se	78	2	H2	78.584862	0.7	95736.880
Sr	88	1	He	76.078026	0.7	1549400.810
Mo	95	1	He	80.751674	0.6	745863.037
Pd	105	1	He	81.501738	1.8	1059264.437
Ag	107	1	He	41.238729	3.6	1068890.247
Cd	111	1	He	80.933158	1.2	399039.280
Sn	118	1	He	79.490727	0.9	1029231.130
Sb	121	1	He	76.920626	1.2	1299290.477
Ba	138	1	He	79.322420	1.2	3304990.473
Pt	195	1	He	82.102409	2.8	1272845.453
Hg	202	1	He	3.748896	1.4	29394.210
Tl	205	1	He	39.581112	2.7	2242667.990
Pb	206	1	He	80.503880	3.1	1548730.760
Pb	207	1	He	85.466223	2.0	1373886.593
Pb	208	1	He	82.014526	1.8	6224199.700
Bi	209	1	He	83.867672	1.9	5008660.343
Th	232	1	He	78.410899	0.9	6669148.863
U	238	1	He	75.836606	0.9	6597759.277

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.3212762	1129949.373
Sc	45	2	H2	104.0069698	6970725.667
Ge	72	1	He	104.2352425	705820.040
Ge	72	2	H2	103.7544906	1881954.460
In	115	1	He	101.0532908	7366171.987
Tb	159	1	He	103.1622054	16704250.583
Ir	193	1	He	102.0662657	7978746.547

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	019_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:18:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.076596	6.4	136.833
Be	9	2	H2	0.029105	14.4	27.667
B	11	2	H2	0.370537	115.0	3527.070
Na	23	1	He	1.782738	13.5	22502.030
Mg	24	1	He	-1.069290		2531.857
Al	27	1	He	0.504996	15.7	581.343
Si	28	2	H2	1.188664	17.5	19200.703
K	39	1	He	0.291799	297.1	139951.497
Ca	43	1	He	-0.141758		10.530
Ca	44	1	He	-0.253668		175.387
Ti	47	1	He	0.030606	68.8	20.667
V	51	1	He	0.017184	239.2	-1672.820
Cr	52	1	He	-0.000463		598.677
Mn	55	1	He	-0.044273		482.010
Fe	56	1	He	0.284590	15.4	22704.160
Co	59	1	He	0.003650	31.6	196.667
Ni	60	1	He	-0.083660		468.677
Cu	63	1	He	0.018284	12.0	612.677
Zn	66	1	He	0.008138	70.5	268.667
As	75	1	He	-0.003624		283.833
Se	78	2	H2	0.006655	63.3	27.333
Sr	88	1	He	0.002208	107.2	288.337
Mo	95	1	He	0.026896	7.4	271.673
Pd	105	1	He	0.010454	15.8	176.673
Ag	107	1	He	0.242996	12.4	7388.327
Cd	111	1	He	0.012201	27.6	64.917
Sn	118	1	He	0.017860	8.7	421.677
Sb	121	1	He	0.010542	17.0	283.340
Ba	138	1	He	0.007729	21.2	493.347
Pt	195	1	He	0.005883	39.7	190.007
Hg	202	1	He	0.023961	30.4	273.343
Tl	205	1	He	0.060078	20.7	4267.290
Pb	206	1	He	0.012012	24.8	336.677
Pb	207	1	He	0.017482	23.1	1330.070
Pb	208	1	He	0.012563	9.6	2338.433
Bi	209	1	He	0.007201	28.8	2153.533
Th	232	1	He	0.007586	5.4	720.023
U	238	1	He	0.005808	15.6	611.683

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	104.2498609	1140104.627
Sc	45	2	H2	105.2880596	7056586.500
Ge	72	1	He	103.1461550	698445.377
Ge	72	2	H2	105.5056379	1913717.707
In	115	1	He	103.1556907	7519424.183
Tb	159	1	He	104.5296832	16925675.583
Ir	193	1	He	104.2806686	8151851.337

Sample Name	4317543_B70165Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	020SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:22:21
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.100128	4.0	159.000
Be	9	2	H2	0.074109	3.9	60.833
B	11	2	H2	0.852342	53.2	3947.183
Na	23	1	He	11.083702	0.8	42216.270
Mg	24	1	He	1.933672	9.3	6049.377
Al	27	1	He	3.810240	1.9	2666.863
Si	28	2	H2	2.773164	13.8	27336.817
K	39	1	He	4.015747	4.8	148093.000
Ca	43	1	He	9.863216	7.5	63.793
Ca	44	1	He	10.753542	8.6	1156.487
Ti	47	1	He	0.075743	25.8	46.667
V	51	1	He	0.037570	123.2	-1415.840
Cr	52	1	He	0.428738	1.4	7524.910
Mn	55	1	He	0.062560	13.9	1788.767
Fe	56	1	He	5.951665	0.4	106504.293
Co	59	1	He	0.041054	7.3	1072.703
Ni	60	1	He	-0.012902		877.360
Cu	63	1	He	0.278099	1.3	4448.570
Zn	66	1	He	1.271150	3.0	4109.147
As	75	1	He	0.005027	108.3	307.667
Se	78	2	H2	0.022067	19.1	46.667
Sr	88	1	He	0.063218	2.3	1576.757
Mo	95	1	He	0.064309	11.4	618.350
Pd	105	1	He	0.004825	68.8	103.333
Ag	107	1	He	0.066564	4.0	2756.913
Cd	111	1	He	0.050628	21.7	261.483
Sn	118	1	He	0.289547	4.7	4063.850
Sb	121	1	He	0.020255	12.4	456.677
Ba	138	1	He	0.067672	1.0	3050.307
Pt	195	1	He	0.007048	33.4	210.003
Hg	202	1	He	0.021583	15.6	256.677
Tl	205	1	He	0.027139	9.9	2400.207
Pb	206	1	He	0.344258	2.9	6873.190
Pb	207	1	He	0.338667	1.2	6614.773
Pb	208	1	He	0.346698	1.8	28273.300
Bi	209	1	He	0.046181	6.7	4550.747
Th	232	1	He	0.019214	6.1	1733.447
U	238	1	He	0.017872	13.7	1686.777

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.5136602	1153925.877
Sc	45	2	H2	106.8913086	7164039.000
Ge	72	1	He	103.9799355	704091.250
Ge	72	2	H2	106.1109124	1924696.500
In	115	1	He	104.5001563	7617427.573
Tb	159	1	He	105.4259392	17070799.330
Ir	193	1	He	104.4893424	8168163.833

Sample Name	4319213_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	021SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:25:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.067005	9.4	130.500
Be	9	2	H2	0.021254	17.1	22.333
B	11	2	H2	0.684516	58.5	3813.810
Na	23	1	He	3.693542	5.5	27033.113
Mg	24	1	He	1.298359	18.1	5364.160
Al	27	1	He	4.799778	2.7	3321.303
Si	28	2	H2	2.504443	10.5	25948.907
K	39	1	He	0.838140	206.0	143999.403
Ca	43	1	He	27.384279	6.9	158.360
Ca	44	1	He	27.396033	9.4	2661.783
Ti	47	1	He	0.072646	50.0	45.333
V	51	1	He	-0.061743		-2782.750
Cr	52	1	He	0.798886	3.9	13624.463
Mn	55	1	He	0.004618	142.2	1094.037
Fe	56	1	He	5.991922	0.3	108151.240
Co	59	1	He	0.002603	26.9	175.333
Ni	60	1	He	-0.056395		634.010
Cu	63	1	He	0.041832	11.2	973.363
Zn	66	1	He	0.497687	2.0	1774.097
As	75	1	He	-0.017944		252.667
Se	78	2	H2	0.009233	37.0	30.667
Sr	88	1	He	0.176483	2.3	3965.490
Mo	95	1	He	0.017800	7.9	191.667
Pd	105	1	He	0.003593	25.3	86.667
Ag	107	1	He	0.023795	21.0	1613.427
Cd	111	1	He	0.009430	5.0	51.610
Sn	118	1	He	0.041540	6.1	745.023
Sb	121	1	He	0.167898	6.8	3036.967
Ba	138	1	He	0.074503	6.3	3312.027
Pt	195	1	He	0.015630	10.7	343.343
Hg	202	1	He	0.011764	28.6	176.670
Tl	205	1	He	0.005018	25.3	1110.050
Pb	206	1	He	0.012503	8.4	346.677
Pb	207	1	He	0.015755	32.2	1301.737
Pb	208	1	He	0.013448	12.0	2406.773
Bi	209	1	He	0.001053	231.8	1780.137
Th	232	1	He	0.002331	12.3	265.007
U	238	1	He	0.000841	69.3	171.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	106.5523290	1165285.040
Sc	45	2	H2	106.7052868	7151571.500
Ge	72	1	He	104.8893742	710249.437
Ge	72	2	H2	106.1747338	1925854.127
In	115	1	He	104.5893981	7623932.760
Tb	159	1	He	104.5317495	16926010.167
Ir	193	1	He	104.8344272	8195139.877

Sample Name	4319214_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	022SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:29:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	109.982619	4.1	91363.170
Be	9	2	H2	111.153695	3.2	78673.220
B	11	2	H2	109.301865	4.5	84498.400
Na	23	1	He	2236.280549	7.2	4513044.830
Mg	24	1	He	2230.105869	7.3	2493398.087
Al	27	1	He	2170.785797	6.6	1313237.333
Si	28	2	H2	550.037296	4.3	2658915.083
K	39	1	He	2188.624944	7.5	3774815.150
Ca	43	1	He	2267.245627	7.5	11586.650
Ca	44	1	He	2215.570729	5.4	189775.787
Ti	47	1	He	104.492052	6.8	57294.953
V	51	1	He	109.927161	7.1	1423812.050
Cr	52	1	He	111.019565	6.8	1721855.250
Mn	55	1	He	110.704864	6.7	1297807.000
Fe	56	1	He	2226.551270	6.9	31577944.000
Co	59	1	He	114.589870	6.0	2599829.500
Ni	60	1	He	115.726558	6.1	643524.313
Cu	63	1	He	114.099762	5.7	1633295.250
Zn	66	1	He	111.878043	5.5	330290.947
As	75	1	He	109.002738	5.6	263678.933
Se	78	2	H2	105.701079	0.8	128529.583
Sr	88	1	He	105.970811	5.9	2091615.543
Mo	95	1	He	109.243641	6.2	976758.630
Pd	105	1	He	22.543129	5.1	284095.353
Ag	107	1	He	50.077257	2.4	1259672.533
Cd	111	1	He	108.427135	4.9	518343.940
Sn	118	1	He	105.013047	5.6	1317952.117
Sb	121	1	He	102.425110	7.0	1676142.213
Ba	138	1	He	109.590534	5.9	4296895.877
Pt	195	1	He	22.384606	4.6	326843.687
Hg	202	1	He	0.010358	31.5	153.337
Tl	205	1	He	110.889115	6.2	5911285.330
Pb	206	1	He	111.813922	6.0	2024441.947
Pb	207	1	He	114.735024	5.9	1735502.267
Pb	208	1	He	113.780336	6.1	8125115.710
Bi	209	1	He	115.115711	6.3	6468756.363
Th	232	1	He	111.549452	6.4	8991356.533
U	238	1	He	106.768143	6.6	8801870.077

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.7542830	1112812.313
Sc	45	2	H2	103.9792848	6968870.167
Ge	72	1	He	101.1282108	684781.040
Ge	72	2	H2	103.5730629	1878663.627
In	115	1	He	98.15267007	7154734.323
Tb	159	1	He	97.28331201	15752327.267
Ir	193	1	He	96.97645151	7580864.470

Sample Name	10607484001_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	023SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:33:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.766739	5.3	704.513
Be	9	2	H2	0.035767	49.2	32.000
B	11	2	H2	7.685057	1.3	8872.310
Na	23	1	He	8812.194105	0.5	18114906.397
Mg	24	1	He	2902.880082	0.4	3315049.120
Al	27	1	He	23.723973	0.9	14922.660
Si	28	2	H2	1534.268977	5.2	7355378.333
K	39	1	He	578.387593	1.1	1121276.730
Ca	43	1	He	12670.99282	0.6	66113.157
Ca	44	1	He	13139.21687	0.2	1148077.217
Ti	47	1	He	0.330654	10.3	188.667
V	51	1	He	1.423780	4.9	16976.520
Cr	52	1	He	1.699359	1.3	27516.817
Mn	55	1	He	373.139504	1.3	4465941.833
Fe	56	1	He	26376.49972	0.7	381957578.667
Co	59	1	He	1.001078	1.7	23327.047
Ni	60	1	He	6.649367	1.4	38686.623
Cu	63	1	He	5151.433004	0.6	75355157.333
Zn	66	1	He	179.505493	0.4	541457.230
As	75	1	He	1.920579	0.4	5036.047
Se	78	2	H2	0.132513	7.5	180.333
Sr	88	1	He	22.054497	1.8	449699.290
Mo	95	1	He	0.140877	2.2	1313.400
Pd	105	1	He	0.013288	5.3	210.007
Ag	107	1	He	0.762404	5.6	20705.883
Cd	111	1	He	3.687661	3.4	18201.003
Sn	118	1	He	9.631639	1.1	124975.980
Sb	121	1	He	1.115057	1.9	18948.967
Ba	138	1	He	15.790628	0.7	653416.087
Pt	195	1	He	0.113138	8.4	1836.817
Hg	202	1	He	0.026815	29.1	290.010
Tl	205	1	He	0.044703	14.4	3320.377
Pb	206	1	He	154.049330	0.8	2942972.767
Pb	207	1	He	154.373425	0.9	2463425.170
Pb	208	1	He	153.132373	0.8	11538771.177
Bi	209	1	He	0.354491	2.6	22696.560
Th	232	1	He	0.020612	3.2	1808.460
U	238	1	He	0.016072	8.4	1488.417

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.6629530	1133686.043
Sc	45	2	H2	103.4685871	6934642.333
Ge	72	1	He	103.1489422	698464.250
Ge	72	2	H2	103.8663565	1883983.543
In	115	1	He	101.1358073	7372186.940
Tb	159	1	He	102.4290858	16585542.250
Ir	193	1	He	101.8334704	7960548.423

Sample Name	10607907001_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	024SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:36:41
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	59.667660	1.4	44326.733
Be	9	2	H2	0.026927	31.9	23.167
B	11	2	H2	258.376464	1.5	174615.400
Na	23	1	He	111800.1953	0.5	219765683.390
Mg	24	1	He	204878.8681	0.9	223686803.333
Al	27	1	He	7.340229	2.1	4594.573
Si	28	2	H2	6091.775149	5.0	26215545.333
K	39	1	He	5885.469697	0.2	9703106.313
Ca	43	1	He	280910.0232	0.5	1402697.210
Ca	44	1	He	275006.7457	0.2	22997221.877
Ti	47	1	He	0.219978	14.5	121.333
V	51	1	He	3.824370	1.3	46697.117
Cr	52	1	He	0.786327	1.5	12499.000
Mn	55	1	He	61.196370	0.4	701876.103
Fe	56	1	He	59.630499	0.8	844128.253
Co	59	1	He	0.209248	2.4	4521.917
Ni	60	1	He	1.147090	0.6	6791.970
Cu	63	1	He	1.297746	0.8	17607.977
Zn	66	1	He	2.152487	3.3	6133.073
As	75	1	He	1.257282	0.4	3095.603
Se	78	2	H2	5.483085	1.8	6067.043
Sr	88	1	He	6058.498409	0.6	111895901.663
Mo	95	1	He	22.154661	0.1	184505.840
Pd	105	1	He	0.852935	10.0	10093.157
Ag	107	1	He	0.054676	7.5	2138.487
Cd	111	1	He	0.041744	11.7	189.650
Sn	118	1	He	0.094652	11.7	1276.727
Sb	121	1	He	0.063890	15.2	1068.377
Ba	138	1	He	20.529258	1.2	796843.580
Pt	195	1	He	0.142422	5.2	2146.860
Hg	202	1	He	0.008674	63.7	140.000
Tl	205	1	He	0.008067	25.1	1181.720
Pb	206	1	He	0.049133	2.0	975.040
Pb	207	1	He	0.044057	7.8	1620.100
Pb	208	1	He	0.048464	3.0	4686.967
Bi	209	1	He	0.006519	88.9	1940.160
Th	232	1	He	0.008542	11.3	710.023
U	238	1	He	27.887193	0.6	2191483.143

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.22436626	1085144.460
Sc	45	2	H2	92.98121529	6231760.667
Ge	72	1	He	93.97503437	636343.917
Ge	72	2	H2	93.98597369	1704767.873
In	115	1	He	91.65509797	6681100.727
Tb	159	1	He	96.08218474	15557838.103
Ir	193	1	He	92.18690643	7206455.100

Sample Name	4322991_B70189Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	025SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:40:17
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	13.034807	4.5	11417.790
Be	9	2	H2	0.014944	11.4	18.167
B	11	2	H2	57.461515	6.2	48182.513
Na	23	1	He	23316.35195	0.8	50492635.913
Mg	24	1	He	43002.39383	0.2	51710327.563
Al	27	1	He	2.739907	3.1	2064.787
Si	28	2	H2	1339.579060	6.8	6772033.500
K	39	1	He	1208.028850	0.3	2309466.113
Ca	43	1	He	56368.95345	0.2	309989.250
Ca	44	1	He	56148.08131	0.7	5170615.173
Ti	47	1	He	0.045772	36.2	30.667
V	51	1	He	0.659629	11.7	7216.023
Cr	52	1	He	0.169320	8.3	3460.343
Mn	55	1	He	12.677101	0.7	160959.650
Fe	56	1	He	12.528539	0.6	210691.933
Co	59	1	He	0.038628	4.4	1034.033
Ni	60	1	He	0.180001	8.8	2015.453
Cu	63	1	He	0.344777	0.6	5528.200
Zn	66	1	He	0.472003	5.6	1710.090
As	75	1	He	0.282171	4.2	1015.197
Se	78	2	H2	0.993144	1.2	1297.717
Sr	88	1	He	1210.038187	0.5	24901117.130
Mo	95	1	He	4.330768	0.6	40632.243
Pd	105	1	He	0.188994	3.8	2520.237
Ag	107	1	He	0.018090	14.0	1425.073
Cd	111	1	He	0.020277	28.6	104.477
Sn	118	1	He	0.024320	19.2	501.680
Sb	121	1	He	0.019239	28.2	428.347
Ba	138	1	He	4.238896	0.6	180527.250
Pt	195	1	He	0.039062	9.8	716.697
Hg	202	1	He	0.006165	73.2	133.333
Tl	205	1	He	-0.003840		606.687
Pb	206	1	He	0.018383	13.0	465.010
Pb	207	1	He	0.021837	20.1	1411.743
Pb	208	1	He	0.020384	10.0	2963.473
Bi	209	1	He	0.002342	100.2	1873.487
Th	232	1	He	0.001812	20.0	215.000
U	238	1	He	5.632428	1.2	493240.733

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	109.2720062	1195028.163
Sc	45	2	H2	108.9517129	7302130.833
Ge	72	1	He	105.8174791	716534.020
Ge	72	2	H2	109.6137701	1988233.207
In	115	1	He	102.1227912	7444132.073
Tb	159	1	He	105.3474396	17058088.497
Ir	193	1	He	102.7132987	8029326.550

Sample Name	4319215_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	026SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:43:52
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	163.182019	0.7	128249.870
Be	9	2	H2	101.148436	1.4	67777.033
B	11	2	H2	372.902709	1.7	265557.843
Na	23	1	He	122872.0277	3.3	257467236.163
Mg	24	1	He	222140.9917	3.9	258508249.480
Al	27	1	He	2091.103525	3.7	1318239.460
Si	28	2	H2	6908.407180	4.3	31479249.333
K	39	1	He	8386.954414	4.2	14675367.280
Ca	43	1	He	301477.5011	3.8	1604505.240
Ca	44	1	He	295744.5301	3.5	26360243.957
Ti	47	1	He	102.494936	4.4	58559.603
V	51	1	He	113.796125	3.7	1536360.827
Cr	52	1	He	106.760260	3.7	1725673.290
Mn	55	1	He	168.402145	3.9	2056690.873
Fe	56	1	He	2132.043076	3.6	31515542.000
Co	59	1	He	108.810830	3.8	2420637.833
Ni	60	1	He	108.736846	3.7	592967.627
Cu	63	1	He	106.151248	4.3	1489625.123
Zn	66	1	He	102.918889	3.0	297938.917
As	75	1	He	113.848921	2.9	270047.113
Se	78	2	H2	124.201536	2.4	145944.700
Sr	88	1	He	6700.633965	4.4	125884934.790
Mo	95	1	He	134.981285	3.1	1183662.170
Pd	105	1	He	21.431920	3.2	257118.030
Ag	107	1	He	45.801759	1.0	1096681.023
Cd	111	1	He	102.335504	3.2	465693.007
Sn	118	1	He	106.821334	4.4	1276085.813
Sb	121	1	He	103.969363	4.3	1620348.463
Ba	138	1	He	127.109715	4.2	4997970.137
Pt	195	1	He	20.790822	4.1	304312.723
Hg	202	1	He	0.022430	50.1	243.340
Tl	205	1	He	100.556257	4.6	5375708.460
Pb	206	1	He	99.620813	4.4	1808792.527
Pb	207	1	He	99.884568	4.0	1515399.300
Pb	208	1	He	99.705296	4.2	7141041.773
Bi	209	1	He	99.387154	4.0	5601895.127
Th	232	1	He	107.868324	3.7	8345639.043
U	238	1	He	132.610664	3.6	10494928.383

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.8451409	1157551.040
Sc	45	2	H2	98.46779514	6599480.667
Ge	72	1	He	99.03106508	670580.397
Ge	72	2	H2	100.1071383	1815796.833
In	115	1	He	93.34453506	6804250.443
Tb	159	1	He	97.46207843	15781273.517
Ir	193	1	He	92.92789588	7264379.890

Sample Name	4319216_B70189Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	027SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:47:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	161.520801	1.0	127573.800
Be	9	2	H2	100.301967	1.9	67545.267
B	11	2	H2	368.242781	2.4	263600.327
Na	23	1	He	120405.3801	0.8	258806962.810
Mg	24	1	He	216621.5559	0.5	258627802.813
Al	27	1	He	2046.978387	0.3	1323888.083
Si	28	2	H2	6807.126295	5.2	31171652.000
K	39	1	He	8239.805469	0.3	14795865.613
Ca	43	1	He	294097.3867	0.5	1605825.760
Ca	44	1	He	288594.6289	0.9	26388199.613
Ti	47	1	He	100.117004	1.1	58690.533
V	51	1	He	110.158370	0.7	1525713.567
Cr	52	1	He	104.379492	0.7	1730915.540
Mn	55	1	He	169.635334	0.8	2125539.750
Fe	56	1	He	2081.284778	0.7	31562428.000
Co	59	1	He	106.462986	0.7	2435165.917
Ni	60	1	He	105.595910	0.6	592093.540
Cu	63	1	He	102.605133	1.0	1480642.417
Zn	66	1	He	100.707543	1.0	299708.700
As	75	1	He	110.868180	0.8	270343.697
Se	78	2	H2	124.318767	1.4	145210.113
Sr	88	1	He	6511.378600	0.6	125071508.137
Mo	95	1	He	131.342661	0.6	1184035.087
Pd	105	1	He	20.975923	1.5	257192.363
Ag	107	1	He	45.565113	2.6	1114158.163
Cd	111	1	He	100.411086	1.1	467005.027
Sn	118	1	He	104.496461	1.3	1276186.413
Sb	121	1	He	101.969004	0.7	1624718.830
Ba	138	1	He	124.979545	1.0	4983577.423
Pt	195	1	He	20.548971	2.9	304974.073
Hg	202	1	He	0.014807	85.7	190.003
Tl	205	1	He	99.722918	0.9	5407085.127
Pb	206	1	He	98.075875	1.6	1806023.097
Pb	207	1	He	99.127869	1.6	1524952.530
Pb	208	1	He	98.070113	0.5	7123114.633
Bi	209	1	He	97.402227	0.9	5567210.960
Th	232	1	He	105.332371	1.0	8342719.460
U	238	1	He	129.713206	0.2	10508527.340

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	108.4976489	1186559.583
Sc	45	2	H2	98.94564522	6631507.000
Ge	72	1	He	101.7356575	688894.313
Ge	72	2	H2	99.48671911	1804543.337
In	115	1	He	95.32018599	6948263.413
Tb	159	1	He	98.72545009	15985841.427
Ir	193	1	He	95.03922776	7429427.390

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	028_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:51:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	89.705411	8.8	73658.687
Be	9	2	H2	88.682057	8.5	62050.147
B	11	2	H2	89.475480	7.8	68934.327
Na	23	1	He	2123.385131	1.5	4537696.493
Mg	24	1	He	2111.356062	2.2	2499381.213
Al	27	1	He	1991.252160	1.9	1274999.040
Si	28	2	H2	1066.446821	9.5	5080588.333
K	39	1	He	2001.347814	1.5	3666580.883
Ca	43	1	He	2052.837355	2.1	11107.983
Ca	44	1	He	2023.807279	1.6	183406.110
Ti	47	1	He	77.234588	1.3	44826.143
V	51	1	He	82.232659	2.3	1127045.663
Cr	52	1	He	82.665590	1.7	1357262.167
Mn	55	1	He	83.964836	1.7	1042103.663
Fe	56	1	He	1034.199778	1.8	15536323.667
Co	59	1	He	83.049060	1.9	2015073.960
Ni	60	1	He	85.070600	1.2	506191.437
Cu	63	1	He	86.571128	1.4	1325278.543
Zn	66	1	He	81.911276	1.7	258637.757
As	75	1	He	78.507940	0.9	203167.863
Se	78	2	H2	82.891604	5.2	100160.660
Sr	88	1	He	77.233353	1.9	1597452.947
Mo	95	1	He	80.755745	2.0	772242.670
Pd	105	1	He	82.686781	0.6	1091537.223
Ag	107	1	He	42.005783	1.9	1106063.810
Cd	111	1	He	81.394838	0.9	407604.453
Sn	118	1	He	80.345448	0.2	1056578.890
Sb	121	1	He	76.918992	0.4	1319637.117
Ba	138	1	He	78.946310	1.5	3358715.263
Pt	195	1	He	83.028329	0.4	1314569.693
Hg	202	1	He	3.694168	4.4	29581.003
Tl	205	1	He	39.892555	1.0	2308267.207
Pb	206	1	He	80.988521	1.2	1591130.133
Pb	207	1	He	86.086792	0.4	1413183.520
Pb	208	1	He	82.144464	0.5	6365939.853
Bi	209	1	He	82.630358	1.3	5039199.507
Th	232	1	He	77.028359	1.5	6779145.733
U	238	1	He	75.970426	2.3	6838636.360

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	107.4207165	1174781.960
Sc	45	2	H2	102.9177905	6897727.000
Ge	72	1	He	107.9248404	730803.837
Ge	72	2	H2	103.0720715	1869576.377
In	115	1	He	102.6310589	7481181.710
Tb	159	1	He	105.3317119	17055541.833
Ir	193	1	He	105.6058250	8255441.753

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	029_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:54:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.124844	22.6	192.167
Be	9	2	H2	0.036388	16.6	35.667
B	11	2	H2	1.620930	5.9	4824.043
Na	23	1	He	8.311845	7.5	37965.470
Mg	24	1	He	3.034757	13.0	7638.313
Al	27	1	He	0.156276	31.9	384.670
Si	28	2	H2	0.371857	60.3	16470.877
K	39	1	He	0.414276	290.8	147869.413
Ca	43	1	He	4.248783	7.9	35.417
Ca	44	1	He	3.286097	14.5	513.123
Ti	47	1	He	0.016264	121.2	13.333
V	51	1	He	-0.074130		-3048.003
Cr	52	1	He	0.009794	79.7	804.023
Mn	55	1	He	-0.035486		620.010
Fe	56	1	He	-0.123602		17678.640
Co	59	1	He	0.003501	67.0	202.000
Ni	60	1	He	-0.089021		458.010
Cu	63	1	He	0.099309	4.4	1878.773
Zn	66	1	He	0.004726	160.0	270.000
As	75	1	He	0.027661	27.9	377.333
Se	78	2	H2	0.016050	4.4	41.667
Sr	88	1	He	0.101241	10.4	2410.193
Mo	95	1	He	0.010963	46.4	131.667
Pd	105	1	He	0.006437	36.2	126.667
Ag	107	1	He	0.217690	17.7	6898.117
Cd	111	1	He	0.015118	29.7	81.623
Sn	118	1	He	0.012231	45.0	356.677
Sb	121	1	He	0.007580	6.1	238.333
Ba	138	1	He	0.007140	21.8	480.013
Pt	195	1	He	0.004557	29.4	173.340
Hg	202	1	He	0.029295	18.2	323.343
Tl	205	1	He	0.050280	27.6	3798.830
Pb	206	1	He	0.016428	18.7	433.343
Pb	207	1	He	0.026840	22.1	1518.420
Pb	208	1	He	0.020952	12.9	3056.813
Bi	209	1	He	0.007155	31.2	2203.523
Th	232	1	He	0.010074	0.2	963.373
U	238	1	He	0.005865	20.2	635.023

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	109.9771031	1202739.293
Sc	45	2	H2	113.8117769	7627860.667
Ge	72	1	He	107.7882485	729878.917
Ge	72	2	H2	112.9479357	2048710.087
In	115	1	He	105.9319247	7721794.803
Tb	159	1	He	107.1002593	17341908.907
Ir	193	1	He	107.2856070	8386754.040

Sample Name	4319179_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	030SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 11:58:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.133470	6.8	193.167
Be	9	2	H2	0.060703	17.7	52.667
B	11	2	H2	2.097312	7.9	5044.143
Na	23	1	He	23.551909	2.1	69347.060
Mg	24	1	He	6.219997	3.2	11200.150
Al	27	1	He	4.473618	2.3	3132.607
Si	28	2	H2	2.478747	5.8	26644.000
K	39	1	He	6.206275	33.6	154251.773
Ca	43	1	He	19.443302	8.9	116.500
Ca	44	1	He	19.028997	8.5	1922.670
Ti	47	1	He	0.051433	46.0	33.333
V	51	1	He	0.030350	164.9	-1535.293
Cr	52	1	He	0.234142	1.4	4457.230
Mn	55	1	He	0.093207	8.1	2196.143
Fe	56	1	He	6.641843	1.4	118500.850
Co	59	1	He	0.037457	3.9	1002.697
Ni	60	1	He	-0.020922		843.357
Cu	63	1	He	0.247483	3.1	4053.803
Zn	66	1	He	1.897008	3.0	6097.060
As	75	1	He	0.022891	41.5	357.167
Se	78	2	H2	0.017544	33.6	42.333
Sr	88	1	He	0.114936	6.8	2653.557
Mo	95	1	He	0.015369	7.1	170.000
Pd	105	1	He	0.006361	78.5	123.337
Ag	107	1	He	0.053947	11.2	2408.523
Cd	111	1	He	0.047889	14.5	246.623
Sn	118	1	He	0.362456	6.8	5015.783
Sb	121	1	He	0.009173	11.1	261.670
Ba	138	1	He	0.076800	3.1	3412.053
Pt	195	1	He	0.008188	46.3	226.673
Hg	202	1	He	0.022267	25.6	260.010
Tl	205	1	He	0.027605	2.6	2408.540
Pb	206	1	He	0.109998	9.6	2248.520
Pb	207	1	He	0.104950	11.1	2755.263
Pb	208	1	He	0.107527	3.9	9646.167
Bi	209	1	He	0.031421	3.7	3620.490
Th	232	1	He	0.017803	10.2	1621.767
U	238	1	He	0.004537	7.4	503.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	107.1714121	1172055.500
Sc	45	2	H2	110.1345111	7381404.000
Ge	72	1	He	105.4542857	714074.687
Ge	72	2	H2	109.7201321	1990162.457
In	115	1	He	104.0221270	7582582.137
Tb	159	1	He	104.5892231	16935316.417
Ir	193	1	He	105.1675352	8221179.670

Sample Name	4319180_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	031SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:01:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	115.464363	4.5	100821.933
Be	9	2	H2	115.107756	4.2	85657.163
B	11	2	H2	116.055769	4.0	94093.307
Na	23	1	He	2272.346043	1.0	4906219.927
Mg	24	1	He	2221.908253	0.4	2658126.420
Al	27	1	He	2161.228456	0.9	1398540.540
Si	28	2	H2	566.477455	5.2	2877852.250
K	39	1	He	2172.936498	0.3	4010965.563
Ca	43	1	He	2211.349992	0.6	12093.107
Ca	44	1	He	2169.751435	1.7	198724.903
Ti	47	1	He	103.399298	1.3	60648.247
V	51	1	He	109.681875	1.2	1519923.120
Cr	52	1	He	110.788761	0.6	1838209.247
Mn	55	1	He	108.515516	0.5	1360883.960
Fe	56	1	He	2214.811815	0.8	33604652.667
Co	59	1	He	113.418389	1.3	2742796.417
Ni	60	1	He	115.071415	0.5	682086.997
Cu	63	1	He	114.152322	1.1	1741562.417
Zn	66	1	He	112.604234	0.4	354279.813
As	75	1	He	107.085942	0.4	276087.790
Se	78	2	H2	108.066835	0.5	138164.347
Sr	88	1	He	106.228624	0.7	2199519.707
Mo	95	1	He	109.110730	0.5	1039948.057
Pd	105	1	He	22.509566	1.2	297488.827
Ag	107	1	He	51.468967	2.7	1356290.447
Cd	111	1	He	110.375387	0.9	553317.867
Sn	118	1	He	106.291995	0.9	1399210.867
Sb	121	1	He	102.866478	1.2	1766609.920
Ba	138	1	He	108.775625	0.3	4496985.870
Pt	195	1	He	22.186163	1.2	341401.700
Hg	202	1	He	0.013507	52.5	186.670
Tl	205	1	He	110.719089	0.2	6224004.697
Pb	206	1	He	110.352401	1.0	2106736.063
Pb	207	1	He	112.474431	1.1	1793827.423
Pb	208	1	He	111.773086	0.7	8416679.250
Bi	209	1	He	112.703359	1.0	6678388.860
Th	232	1	He	110.692104	2.0	9345118.197
U	238	1	He	106.712371	1.5	9215396.530

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	108.5592290	1187233.040
Sc	45	2	H2	109.2950493	7325141.833
Ge	72	1	He	107.5605177	728336.857
Ge	72	2	H2	108.8938733	1975175.333
In	115	1	He	102.7414530	7489228.767
Tb	159	1	He	102.3535943	16573318.500
Ir	193	1	He	101.3191440	7920342.383

Sample Name	10607340001_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	032SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:05:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	63.148346	0.6	50955.140
Be	9	2	H2	0.053045	6.2	43.000
B	11	2	H2	1677.343655	1.8	1214564.617
Na	23	1	He	385504.2775	0.8	839254200.823
Mg	24	1	He	77454.00393	1.7	93644615.270
Al	27	1	He	4.584880	2.1	3283.970
Si	28	2	H2	15934.15896	3.8	74451896.000
K	39	1	He	6269.125933	1.0	11435689.830
Ca	43	1	He	186537.6673	0.5	1031574.733
Ca	44	1	He	185185.1195	1.4	17148284.843
Ti	47	1	He	0.169548	25.9	104.000
V	51	1	He	11.901874	1.1	165154.330
Cr	52	1	He	31.513387	0.5	529725.157
Mn	55	1	He	0.174424	6.2	3280.307
Fe	56	1	He	7.953193	1.3	141629.100
Co	59	1	He	0.098855	7.5	2408.170
Ni	60	1	He	0.583265	1.3	4262.517
Cu	63	1	He	0.430363	5.5	6659.927
Zn	66	1	He	2.363845	3.0	7384.870
As	75	1	He	4.303207	1.4	10942.017
Se	78	2	H2	4.684490	2.6	5634.900
Sr	88	1	He	2677.330391	1.2	51990149.223
Mo	95	1	He	0.711327	3.2	6539.613
Pd	105	1	He	0.400006	1.2	4994.177
Ag	107	1	He	0.278156	23.3	7750.177
Cd	111	1	He	0.036099	24.6	173.043
Sn	118	1	He	0.128616	3.6	1761.777
Sb	121	1	He	0.050018	13.1	901.703
Ba	138	1	He	34.873701	0.9	1394970.500
Pt	195	1	He	0.010128	44.6	243.343
Hg	202	1	He	0.012973	47.8	176.670
Tl	205	1	He	0.040317	19.4	2970.303
Pb	206	1	He	0.047422	8.2	973.373
Pb	207	1	He	0.037781	22.1	1573.427
Pb	208	1	He	0.044788	10.8	4565.287
Bi	209	1	He	0.019259	5.7	2730.290
Th	232	1	He	0.025451	7.0	2030.157
U	238	1	He	11.721646	2.1	930850.717

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	109.8939888	1201830.333
Sc	45	2	H2	101.0068253	6769650.833
Ge	72	1	He	103.3655267	699930.833
Ge	72	2	H2	102.1232719	1852366.543
In	115	1	He	96.37026137	7024807.540
Tb	159	1	He	99.02507445	16034357.260
Ir	193	1	He	93.15321305	7281993.433

Sample Name	4322685_B70175Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	033SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:09:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	14.699134	3.4	12840.703
Be	9	2	H2	0.024687	19.5	25.333
B	11	2	H2	419.692118	2.9	329897.080
Na	23	1	He	85780.51551	0.8	189777137.170
Mg	24	1	He	17362.62342	1.9	21338395.933
Al	27	1	He	1.980449	3.3	1604.737
Si	28	2	H2	3768.275824	5.2	18985238.667
K	39	1	He	1383.728848	0.9	2681646.523
Ca	43	1	He	41074.60879	0.9	230839.470
Ca	44	1	He	41210.51540	1.1	3878387.540
Ti	47	1	He	0.030300	10.7	22.000
V	51	1	He	2.352430	4.6	31537.203
Cr	52	1	He	6.936078	1.4	118984.740
Mn	55	1	He	0.021187	4.8	1360.060
Fe	56	1	He	2.313142	2.1	55961.473
Co	59	1	He	0.018644	6.8	572.010
Ni	60	1	He	0.040916	29.6	1235.383
Cu	63	1	He	0.178462	3.5	3104.277
Zn	66	1	He	0.567088	3.3	2052.127
As	75	1	He	0.940112	3.5	2746.213
Se	78	2	H2	1.027480	5.8	1335.053
Sr	88	1	He	568.510370	0.9	11810455.653
Mo	95	1	He	0.152728	1.7	1493.410
Pd	105	1	He	0.074883	15.4	1030.060
Ag	107	1	He	0.069233	12.8	2790.250
Cd	111	1	He	0.010838	56.1	57.887
Sn	118	1	He	0.031395	10.6	600.017
Sb	121	1	He	0.012417	27.6	315.007
Ba	138	1	He	7.474317	1.0	317933.720
Pt	195	1	He	0.006001	57.6	193.340
Hg	202	1	He	0.008673	83.8	153.337
Tl	205	1	He	0.000375	627.5	850.030
Pb	206	1	He	0.013750	29.8	373.343
Pb	207	1	He	0.010630	98.9	1226.730
Pb	208	1	He	0.013621	25.4	2436.773
Bi	209	1	He	0.003902	35.7	1966.830
Th	232	1	He	0.004513	20.6	446.680
U	238	1	He	2.395037	0.9	209995.160

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	111.6708591	1221262.667
Sc	45	2	H2	108.7562091	7289027.833
Ge	72	1	He	108.3465150	733659.170
Ge	72	2	H2	109.0296432	1977638.000
In	115	1	He	103.0947011	7514978.413
Tb	159	1	He	105.2590870	17043782.250
Ir	193	1	He	102.8148532	8037265.297

Sample Name	4319181_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	034SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:12:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	152.757174	0.3	123053.393
Be	9	2	H2	98.310764	1.6	67530.937
B	11	2	H2	1625.151246	1.9	1175750.347
Na	23	1	He	372194.4707	4.1	791135908.210
Mg	24	1	He	76920.26570	4.5	90815428.647
Al	27	1	He	2092.728486	3.9	1338588.167
Si	28	2	H2	15045.89240	4.3	70264062.667
K	39	1	He	8116.665476	4.0	14416621.870
Ca	43	1	He	181995.7318	4.3	982705.453
Ca	44	1	He	179743.3572	4.6	16251980.793
Ti	47	1	He	102.496872	4.2	59421.637
V	51	1	He	119.594779	4.1	1638304.063
Cr	52	1	He	134.189806	4.5	2200324.500
Mn	55	1	He	102.780125	4.6	1273857.583
Fe	56	1	He	2051.687075	4.6	30766127.333
Co	59	1	He	106.469416	5.0	2445860.667
Ni	60	1	He	105.389091	5.0	593475.560
Cu	63	1	He	102.314155	5.5	1482633.503
Zn	66	1	He	102.640908	4.4	306842.687
As	75	1	He	112.429702	4.7	275357.143
Se	78	2	H2	106.807467	0.8	128250.617
Sr	88	1	He	2683.103560	4.3	50625429.247
Mo	95	1	He	109.691124	5.1	993075.793
Pd	105	1	He	20.700149	5.0	249283.023
Ag	107	1	He	46.302085	0.3	1113371.493
Cd	111	1	He	102.493256	4.1	468286.447
Sn	118	1	He	106.646405	3.0	1279876.283
Sb	121	1	He	103.909857	4.5	1626242.893
Ba	138	1	He	135.235054	4.9	5378626.377
Pt	195	1	He	20.261868	3.5	300091.093
Hg	202	1	He	0.016543	24.3	203.343
Tl	205	1	He	97.507366	5.1	5273162.840
Pb	206	1	He	98.125751	3.9	1802841.483
Pb	207	1	He	99.319789	2.3	1525127.427
Pb	208	1	He	97.603634	3.9	7072749.893
Bi	209	1	He	96.371912	5.5	5493164.500
Th	232	1	He	108.334591	5.7	8261638.003
U	238	1	He	113.449369	4.5	8852458.827

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	107.4208384	1174783.293
Sc	45	2	H2	100.9176105	6763671.500
Ge	72	1	He	102.3350487	692953.040
Ge	72	2	H2	102.2642883	1854924.373
In	115	1	He	93.74375922	6833351.463
Tb	159	1	He	98.60227366	15965896.430
Ir	193	1	He	91.65052931	7164525.310

Sample Name	4319182_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	035SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:16:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	151.461734	1.1	123081.913
Be	9	2	H2	98.087981	2.1	67959.733
B	11	2	H2	1607.198228	2.9	1173141.027
Na	23	1	He	356549.4454	0.7	786916174.940
Mg	24	1	He	73362.15558	1.1	89938111.993
Al	27	1	He	2085.954287	1.5	1385222.373
Si	28	2	H2	14786.26334	5.1	69643864.000
K	39	1	He	7838.432862	0.6	14460099.367
Ca	43	1	He	174727.7815	0.9	979633.787
Ca	44	1	He	172104.5358	0.7	16159205.813
Ti	47	1	He	100.030526	1.8	60212.943
V	51	1	He	115.996520	2.3	1649680.103
Cr	52	1	He	130.877310	1.7	2228295.583
Mn	55	1	He	104.137041	0.8	1340279.667
Fe	56	1	He	2657.952895	3.7	41377677.333
Co	59	1	He	104.811630	2.6	2482194.000
Ni	60	1	He	292.870644	4.2	1698352.123
Cu	63	1	He	100.454727	1.4	1501010.333
Zn	66	1	He	100.765755	2.1	310498.687
As	75	1	He	110.879514	1.5	279954.470
Se	78	2	H2	105.205758	1.6	127531.803
Sr	88	1	He	2581.852451	1.5	50696704.243
Mo	95	1	He	108.078981	1.1	1008876.210
Pd	105	1	He	20.076336	1.8	251657.603
Ag	107	1	He	45.228433	2.2	1130624.647
Cd	111	1	He	100.118986	1.0	476037.783
Sn	118	1	He	103.998644	1.6	1298416.333
Sb	121	1	He	100.327832	1.9	1634147.840
Ba	138	1	He	133.467178	1.2	5452328.670
Pt	195	1	He	19.930206	1.7	303054.827
Hg	202	1	He	0.016874	42.0	210.007
Tl	205	1	He	95.725864	1.3	5317391.797
Pb	206	1	He	95.812212	1.1	1807502.373
Pb	207	1	He	96.859433	2.1	1526664.197
Pb	208	1	He	95.543607	1.5	7109450.263
Bi	209	1	He	94.124917	1.4	5511618.253
Th	232	1	He	106.424977	1.5	8356996.127
U	238	1	He	110.471683	0.6	8873369.870

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	111.4126662	1218439.000
Sc	45	2	H2	101.7885894	6822046.000
Ge	72	1	He	105.3487652	713360.163
Ge	72	2	H2	103.2389422	1872603.167
In	115	1	He	97.44844011	7103400.230
Tb	159	1	He	101.1440473	16377466.007
Ir	193	1	He	94.23062849	7366217.390

Sample Name	10607340002_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	036SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:20:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	63.454285	1.8	51341.853
Be	9	2	H2	0.035716	10.1	31.167
B	11	2	H2	217.923046	2.3	160922.553
Na	23	1	He	82093.11935	1.9	176672084.033
Mg	24	1	He	78257.93310	0.9	93545088.610
Al	27	1	He	34.581595	0.6	22665.790
Si	28	2	H2	13405.77311	4.7	62828772.000
K	39	1	He	11882.96179	1.1	21298458.850
Ca	43	1	He	184527.0844	0.6	1008727.073
Ca	44	1	He	183520.4007	0.9	16800183.277
Ti	47	1	He	0.151772	8.3	92.667
V	51	1	He	6.922624	2.0	94139.240
Cr	52	1	He	6.545629	0.3	109262.907
Mn	55	1	He	0.731090	2.3	10224.250
Fe	56	1	He	5.080917	0.8	96428.353
Co	59	1	He	0.062686	5.9	1574.743
Ni	60	1	He	0.335913	3.8	2865.570
Cu	63	1	He	0.295606	1.2	4694.630
Zn	66	1	He	3.384426	1.3	10505.770
As	75	1	He	3.138185	2.3	8086.830
Se	78	2	H2	3.854225	1.3	4648.277
Sr	88	1	He	2350.340062	1.2	46183164.310
Mo	95	1	He	1.322305	1.9	12177.700
Pd	105	1	He	0.354146	3.4	4477.357
Ag	107	1	He	0.238263	17.0	6864.780
Cd	111	1	He	0.037099	20.4	179.680
Sn	118	1	He	0.144482	7.7	1980.133
Sb	121	1	He	0.095550	8.3	1653.430
Ba	138	1	He	110.662330	1.7	4493868.680
Pt	195	1	He	0.011452	56.4	266.673
Hg	202	1	He	0.014340	70.7	190.007
Tl	205	1	He	0.046910	23.8	3378.730
Pb	206	1	He	0.050454	4.5	1045.047
Pb	207	1	He	0.045207	17.1	1713.440
Pb	208	1	He	0.050044	1.9	5022.003
Bi	209	1	He	0.018317	25.6	2716.960
Th	232	1	He	0.023020	11.2	1920.140
U	238	1	He	5.770222	1.4	478025.913

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	108.6215257	1187914.333
Sc	45	2	H2	101.2332445	6784825.833
Ge	72	1	He	103.7133703	702286.227
Ge	72	2	H2	102.3161186	1855864.500
In	115	1	He	97.50817109	7107754.257
Tb	159	1	He	100.5458768	16280608.927
Ir	193	1	He	97.16656329	7595725.930

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	037_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:23:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	86.217885	4.3	74943.173
Be	9	2	H2	85.194653	4.4	63093.077
B	11	2	H2	91.229556	5.7	74361.767
Na	23	1	He	2136.267373	1.3	4609214.830
Mg	24	1	He	2099.086674	1.8	2508923.083
Al	27	1	He	2012.712807	1.8	1301170.250
Si	28	2	H2	1038.756825	5.3	5241460.500
K	39	1	He	2038.125549	2.0	3767360.360
Ca	43	1	He	2081.513737	1.6	11372.327
Ca	44	1	He	2026.746505	1.4	185449.840
Ti	47	1	He	78.079523	0.8	45755.823
V	51	1	He	82.959326	1.7	1148048.810
Cr	52	1	He	82.154178	1.6	1361924.873
Mn	55	1	He	84.473386	0.7	1058610.377
Fe	56	1	He	1044.684430	1.2	15846002.333
Co	59	1	He	82.916434	1.3	2037321.083
Ni	60	1	He	84.227892	0.3	507533.040
Cu	63	1	He	86.052296	0.9	1334008.333
Zn	66	1	He	81.250016	0.3	259803.773
As	75	1	He	78.109897	0.5	204694.990
Se	78	2	H2	80.115362	0.5	102485.797
Sr	88	1	He	77.471676	0.7	1616675.080
Mo	95	1	He	79.668340	0.4	771516.107
Pd	105	1	He	81.933895	0.5	1091187.197
Ag	107	1	He	41.735420	3.5	1108542.717
Cd	111	1	He	81.899141	1.4	413760.673
Sn	118	1	He	79.604816	0.6	1056135.037
Sb	121	1	He	77.269257	0.4	1337389.303
Ba	138	1	He	79.688789	0.8	3389937.240
Pt	195	1	He	81.646820	0.9	1292599.563
Hg	202	1	He	3.616371	4.3	28946.577
Tl	205	1	He	39.902788	0.7	2308644.703
Pb	206	1	He	80.699373	1.6	1585185.913
Pb	207	1	He	85.327081	0.4	1400654.927
Pb	208	1	He	82.304163	0.9	6377464.747
Bi	209	1	He	83.833205	2.5	5111337.110
Th	232	1	He	77.441501	1.0	6755638.857
U	238	1	He	76.289076	0.7	6807119.063

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	108.4609630	1186158.377
Sc	45	2	H2	108.7402416	7287957.667
Ge	72	1	He	109.2869354	740027.147
Ge	72	2	H2	108.9529948	1976247.710
In	115	1	He	103.5405570	7547478.603
Tb	159	1	He	105.3237065	17054245.580
Ir	193	1	He	104.6757418	8182735.087

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	038_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:27:14
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.146557	26.5	209.500
Be	9	2	H2	0.035374	9.8	34.333
B	11	2	H2	6.710564	6.6	8868.963
Na	23	1	He	17.823008	2.9	59352.813
Mg	24	1	He	0.199146	41.9	4253.857
Al	27	1	He	0.183071	46.7	406.670
Si	28	2	H2	0.785339	24.1	18424.600
K	39	1	He	1.967827	49.2	152394.610
Ca	43	1	He	3.477051	25.3	31.483
Ca	44	1	He	2.724473	12.0	466.370
Ti	47	1	He	0.015949	124.8	13.333
V	51	1	He	0.021524	153.5	-1721.020
Cr	52	1	He	0.004176	75.2	717.350
Mn	55	1	He	-0.052015		414.677
Fe	56	1	He	-0.161859		17285.607
Co	59	1	He	0.001948	35.9	166.667
Ni	60	1	He	-0.095260		426.677
Cu	63	1	He	0.068849	9.6	1432.063
Zn	66	1	He	0.006904	82.2	280.667
As	75	1	He	0.022335	36.4	368.500
Se	78	2	H2	0.007231	66.8	29.667
Sr	88	1	He	0.042205	7.8	1165.050
Mo	95	1	He	0.010267	21.2	126.667
Pd	105	1	He	0.008255	18.4	153.333
Ag	107	1	He	0.209526	18.2	6764.757
Cd	111	1	He	0.008214	67.8	46.630
Sn	118	1	He	0.017230	8.1	430.010
Sb	121	1	He	0.004518	81.5	186.670
Ba	138	1	He	0.007677	23.2	505.013
Pt	195	1	He	0.005757	40.2	193.340
Hg	202	1	He	0.028760	11.5	320.010
Tl	205	1	He	0.046840	17.9	3608.783
Pb	206	1	He	0.013028	25.8	366.673
Pb	207	1	He	0.013318	24.5	1296.737
Pb	208	1	He	0.011785	1.0	2341.767
Bi	209	1	He	0.007928	30.4	2256.863
Th	232	1	He	0.008550	6.6	833.363
U	238	1	He	0.004820	13.0	543.350

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	111.2342386	1216487.667
Sc	45	2	H2	112.5211629	7541361.500
Ge	72	1	He	109.2703672	739914.957
Ge	72	2	H2	111.9153529	2029980.547
In	115	1	He	107.3195897	7822947.170
Tb	159	1	He	107.4029998	17390929.323
Ir	193	1	He	108.0987342	8450317.997

Sample Name	10607340003_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	039SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:30:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	46.645973	0.2	35708.383
Be	9	2	H2	0.033669	8.6	28.167
B	11	2	H2	888.364537	2.3	611446.553
Na	23	1	He	246147.0493	1.2	505736285.800
Mg	24	1	He	120803.0091	1.1	137870987.947
Al	27	1	He	6.134926	1.9	4058.117
Si	28	2	H2	14551.70858	4.0	64481421.333
K	39	1	He	6216.891562	1.1	10705267.340
Ca	43	1	He	351415.6322	1.4	1834168.343
Ca	44	1	He	349438.6065	1.6	30542368.603
Ti	47	1	He	0.176992	9.8	102.667
V	51	1	He	8.244915	3.9	107403.390
Cr	52	1	He	4.642431	2.0	74164.430
Mn	55	1	He	9.760626	1.1	117861.573
Fe	56	1	He	4.643266	1.8	85731.483
Co	59	1	He	0.256692	3.0	5680.243
Ni	60	1	He	0.817768	3.3	5230.783
Cu	63	1	He	2.323053	0.9	32150.660
Zn	66	1	He	16.789313	1.8	47636.900
As	75	1	He	2.901226	1.8	6984.703
Se	78	2	H2	6.519896	2.0	7428.897
Sr	88	1	He	4739.814998	0.7	87701255.357
Mo	95	1	He	0.898797	1.2	7718.440
Pd	105	1	He	0.680129	4.8	8065.430
Ag	107	1	He	0.075381	14.1	2630.230
Cd	111	1	He	0.062052	15.4	281.023
Sn	118	1	He	0.190556	2.1	2406.863
Sb	121	1	He	0.123128	3.1	1980.133
Ba	138	1	He	51.204503	0.4	1965200.907
Pt	195	1	He	0.011278	38.0	250.010
Hg	202	1	He	0.022798	37.6	240.007
Tl	205	1	He	0.031238	21.7	2378.540
Pb	206	1	He	0.077948	8.1	1475.087
Pb	207	1	He	0.074333	3.4	2050.157
Pb	208	1	He	0.077959	3.4	6697.253
Bi	209	1	He	0.017265	13.3	2510.260
Th	232	1	He	0.014223	4.8	1116.720
U	238	1	He	7.744058	0.4	592802.153

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.7175304	1134282.917
Sc	45	2	H2	95.78972039	6419991.500
Ge	72	1	He	96.60771914	654170.917
Ge	72	2	H2	96.83892846	1756516.293
In	115	1	He	91.82032438	6693144.730
Tb	159	1	He	95.01569772	15385150.187
Ir	193	1	He	89.79126911	7019182.813

Sample Name	10607340004_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	040SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:34:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	60.489063	0.3	47171.723
Be	9	2	H2	0.053712	25.4	42.000
B	11	2	H2	1199.012011	1.8	839980.143
Na	23	1	He	324368.1456	1.3	686718283.100
Mg	24	1	He	111275.3220	2.0	130855308.050
Al	27	1	He	4.924952	1.1	3411.323
Si	28	2	H2	13173.76119	3.4	59496892.000
K	39	1	He	6816.786877	0.7	12081784.403
Ca	43	1	He	276500.6679	1.8	1487032.350
Ca	44	1	He	273127.9796	1.2	24599081.453
Ti	47	1	He	0.153177	12.0	92.000
V	51	1	He	8.373534	0.6	112443.390
Cr	52	1	He	30.438639	1.6	497615.803
Mn	55	1	He	0.280950	1.7	4505.910
Fe	56	1	He	5.033713	2.3	94165.467
Co	59	1	He	0.104965	3.2	2434.843
Ni	60	1	He	0.756869	3.0	5009.380
Cu	63	1	He	0.541315	0.4	7901.090
Zn	66	1	He	19.809522	1.3	57336.347
As	75	1	He	3.481261	2.7	8499.520
Se	78	2	H2	4.898948	2.0	5671.580
Sr	88	1	He	3806.019152	1.1	72574312.250
Mo	95	1	He	0.767860	3.2	6734.710
Pd	105	1	He	0.601766	6.7	7358.377
Ag	107	1	He	0.033551	15.6	1695.103
Cd	111	1	He	0.036417	8.8	171.313
Sn	118	1	He	0.081050	11.6	1153.383
Sb	121	1	He	0.074111	5.7	1265.060
Ba	138	1	He	39.675877	1.7	1569958.153
Pt	195	1	He	0.009193	34.5	226.673
Hg	202	1	He	0.025337	20.5	266.677
Tl	205	1	He	0.012401	16.9	1438.413
Pb	206	1	He	0.040976	2.4	845.030
Pb	207	1	He	0.030361	23.5	1443.410
Pb	208	1	He	0.037511	3.1	3990.217
Bi	209	1	He	0.020603	15.8	2776.973
Th	232	1	He	0.016568	8.6	1320.067
U	238	1	He	3.148269	1.2	246206.857

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	106.8738433	1168801.207
Sc	45	2	H2	97.62343946	6542890.500
Ge	72	1	He	98.62412155	667824.813
Ge	72	2	H2	98.31380851	1783268.457
In	115	1	He	94.63051256	6897990.403
Tb	159	1	He	97.96669834	15862982.680
Ir	193	1	He	91.71285963	7169397.810

Sample Name	10607340005_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	041SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:38:07
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	35.535064	0.7	27876.997
Be	9	2	H2	0.022365	38.1	21.333
B	11	2	H2	1106.482137	2.2	779266.370
Na	23	1	He	293379.7753	4.6	603607871.003
Mg	24	1	He	57560.52573	4.5	65787562.350
Al	27	1	He	7.222261	3.7	4738.277
Si	28	2	H2	16016.51364	4.3	72721482.667
K	39	1	He	4308.917872	4.8	7472508.637
Ca	43	1	He	186997.9247	4.1	977517.380
Ca	44	1	He	186736.0975	4.6	16344297.120
Ti	47	1	He	0.200116	4.4	116.000
V	51	1	He	12.021860	3.8	157732.710
Cr	52	1	He	34.357630	4.1	545860.207
Mn	55	1	He	0.727009	4.8	9727.303
Fe	56	1	He	8.246508	4.9	138136.660
Co	59	1	He	0.139308	1.9	3162.953
Ni	60	1	He	0.664814	4.8	4457.233
Cu	63	1	He	0.340611	2.3	5037.390
Zn	66	1	He	1.936810	5.9	5746.270
As	75	1	He	4.529304	5.1	10842.290
Se	78	2	H2	3.871219	1.1	4494.910
Sr	88	1	He	1956.644703	5.0	36649122.787
Mo	95	1	He	1.266738	7.1	10953.517
Pd	105	1	He	0.301444	10.2	3633.793
Ag	107	1	He	0.012976	33.0	1175.050
Cd	111	1	He	0.016199	9.8	76.710
Sn	118	1	He	0.111564	8.8	1495.083
Sb	121	1	He	0.053301	5.0	920.033
Ba	138	1	He	35.191803	2.9	1369600.603
Pt	195	1	He	0.014422	20.9	300.010
Hg	202	1	He	0.010161	95.7	150.003
Tl	205	1	He	0.005707	20.4	1061.710
Pb	206	1	He	0.020583	28.9	463.347
Pb	207	1	He	0.021444	22.1	1285.067
Pb	208	1	He	0.020419	4.7	2713.453
Bi	209	1	He	0.007785	18.8	2016.847
Th	232	1	He	0.005227	3.9	455.010
U	238	1	He	6.067895	2.2	476382.610

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.9806725	1137160.710
Sc	45	2	H2	98.09256601	6574332.167
Ge	72	1	He	97.57538401	660723.377
Ge	72	2	H2	98.50358642	1786710.750
In	115	1	He	93.06654142	6783986.393
Tb	159	1	He	96.40761365	15610532.267
Ir	193	1	He	92.10947589	7200402.183

Sample Name	10607340006_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	042SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:41:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	40.720847	1.1	31803.657
Be	9	2	H2	0.063637	16.4	48.667
B	11	2	H2	992.121507	1.8	696091.577
Na	23	1	He	274555.3450	0.7	574976711.433
Mg	24	1	He	57794.97811	1.3	67232525.667
Al	27	1	He	6.956091	2.7	4653.590
Si	28	2	H2	15429.49153	4.8	69761398.667
K	39	1	He	4367.111289	0.5	7707018.637
Ca	43	1	He	167439.1713	0.8	890785.130
Ca	44	1	He	167292.2686	1.5	14904102.807
Ti	47	1	He	0.174669	21.8	103.333
V	51	1	He	11.541983	2.6	154034.450
Cr	52	1	He	27.410311	0.4	443339.373
Mn	55	1	He	0.680285	2.3	9329.767
Fe	56	1	He	10.702254	1.6	176862.873
Co	59	1	He	0.092019	3.7	2186.810
Ni	60	1	He	0.436147	1.7	3329.650
Cu	63	1	He	0.400558	1.2	6041.700
Zn	66	1	He	3.469034	3.4	10421.717
As	75	1	He	4.101991	0.7	10150.050
Se	78	2	H2	4.132817	0.9	4820.660
Sr	88	1	He	1936.268883	0.3	37143351.947
Mo	95	1	He	1.292382	2.2	11528.890
Pd	105	1	He	0.297992	1.7	3683.803
Ag	107	1	He	0.010848	12.6	1151.717
Cd	111	1	He	0.060595	32.8	284.880
Sn	118	1	He	0.165563	6.0	2190.167
Sb	121	1	He	0.065008	9.7	1128.383
Ba	138	1	He	31.573898	0.9	1265041.727
Pt	195	1	He	0.010112	46.8	243.340
Hg	202	1	He	0.010282	63.7	156.670
Tl	205	1	He	0.011253	16.2	1393.410
Pb	206	1	He	0.064115	19.4	1283.400
Pb	207	1	He	0.059878	9.2	1916.800
Pb	208	1	He	0.062085	10.6	5832.110
Bi	209	1	He	0.045486	6.9	4240.660
Th	232	1	He	0.015983	1.7	1310.070
U	238	1	He	6.072052	0.8	487811.570

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.7133394	1156109.623
Sc	45	2	H2	97.68929125	6547304.000
Ge	72	1	He	100.4455957	680158.770
Ge	72	2	H2	98.99513457	1795626.713
In	115	1	He	95.19274603	6938973.813
Tb	159	1	He	99.18711987	16060596.010
Ir	193	1	He	94.23088962	7366237.803

Sample Name	10607340007_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	043SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:45:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	28.343458	0.4	22081.370
Be	9	2	H2	0.024237	9.7	22.333
B	11	2	H2	792.181559	4.1	554978.457
Na	23	1	He	188492.8968	4.1	377144487.713
Mg	24	1	He	50280.70819	3.8	55888450.833
Al	27	1	He	5.324364	3.6	3464.663
Si	28	2	H2	15581.39281	4.9	70229644.000
K	39	1	He	3737.951622	3.8	6322409.283
Ca	43	1	He	177196.4842	3.1	900863.970
Ca	44	1	He	176584.8538	3.7	15031974.173
Ti	47	1	He	0.161298	30.8	92.000
V	51	1	He	12.195745	3.8	155609.363
Cr	52	1	He	20.984459	3.8	324419.357
Mn	55	1	He	0.594742	3.2	7919.090
Fe	56	1	He	5.786657	3.5	99646.077
Co	59	1	He	0.061275	7.6	1441.400
Ni	60	1	He	0.404636	2.0	3052.937
Cu	63	1	He	0.294223	3.9	4375.217
Zn	66	1	He	6.885618	3.1	19772.237
As	75	1	He	5.537866	3.8	13145.660
Se	78	2	H2	3.412184	3.1	3954.780
Sr	88	1	He	1544.018460	4.1	28957589.567
Mo	95	1	He	1.246342	4.0	10753.410
Pd	105	1	He	0.238893	10.4	2890.303
Ag	107	1	He	0.006296	76.6	1020.043
Cd	111	1	He	0.024993	22.1	116.770
Sn	118	1	He	0.131286	12.7	1735.110
Sb	121	1	He	0.049266	9.9	860.030
Ba	138	1	He	41.072642	3.0	1609065.393
Pt	195	1	He	0.012326	44.7	270.010
Hg	202	1	He	0.012755	110.8	173.340
Tl	205	1	He	0.003394	21.8	945.037
Pb	206	1	He	0.035361	10.7	736.693
Pb	207	1	He	0.029200	20.7	1410.077
Pb	208	1	He	0.033420	2.2	3660.193
Bi	209	1	He	0.020626	10.8	2750.297
Th	232	1	He	0.007141	7.8	606.687
U	238	1	He	4.827040	2.1	381936.077

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.0931402	1105581.877
Sc	45	2	H2	97.35165691	6524675.167
Ge	72	1	He	97.16502514	657944.667
Ge	72	2	H2	98.29689718	1782961.710
In	115	1	He	93.14776267	6789906.930
Tb	159	1	He	97.03914122	15712790.597
Ir	193	1	He	92.83165278	7256856.353

Sample Name	10607340008_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	044SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:48:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	28.831038	0.7	22311.643
Be	9	2	H2	0.051307	9.3	40.000
B	11	2	H2	696.695898	2.0	484735.030
Na	23	1	He	175233.0129	0.7	357007701.347
Mg	24	1	He	50793.60998	1.5	57480149.143
Al	27	1	He	8.875715	2.7	5703.217
Si	28	2	H2	15124.10410	4.6	67728881.333
K	39	1	He	3621.718532	0.9	6241147.200
Ca	43	1	He	178686.9271	0.5	924773.380
Ca	44	1	He	177695.3361	1.0	15400122.257
Ti	47	1	He	0.167824	21.7	96.667
V	51	1	He	12.367656	1.6	160708.763
Cr	52	1	He	13.202563	0.7	208037.913
Mn	55	1	He	0.709435	0.4	9422.470
Fe	56	1	He	3.488001	0.7	68414.677
Co	59	1	He	0.075864	4.4	1794.097
Ni	60	1	He	0.301278	6.0	2544.190
Cu	63	1	He	0.297148	1.8	4498.577
Zn	66	1	He	3.588363	1.4	10607.157
As	75	1	He	5.303491	1.2	12839.103
Se	78	2	H2	3.532226	2.2	4099.147
Sr	88	1	He	1599.667833	0.5	30144271.217
Mo	95	1	He	1.104667	2.7	9704.443
Pd	105	1	He	0.218900	3.9	2666.933
Ag	107	1	He	0.003963	70.7	966.700
Cd	111	1	He	0.034469	30.5	160.420
Sn	118	1	He	0.090174	5.3	1248.390
Sb	121	1	He	0.052981	1.6	920.030
Ba	138	1	He	35.694486	1.0	1410899.300
Pt	195	1	He	0.015324	22.3	316.677
Hg	202	1	He	0.005176	116.8	116.667
Tl	205	1	He	0.012699	15.8	1451.747
Pb	206	1	He	0.061974	9.1	1226.727
Pb	207	1	He	0.057334	12.4	1851.793
Pb	208	1	He	0.061389	4.5	5703.760
Bi	209	1	He	0.040734	10.8	3913.897
Th	232	1	He	0.016124	5.5	1313.403
U	238	1	He	3.879474	0.2	309875.203

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.8393477	1124678.873
Sc	45	2	H2	96.69705565	6480802.667
Ge	72	1	He	98.89588899	669665.063
Ge	72	2	H2	98.44050249	1785566.500
In	115	1	He	93.51358062	6816572.840
Tb	159	1	He	97.85943747	15845614.763
Ir	193	1	He	93.67879140	7323079.060

Sample Name	10607546001_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	045SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:52:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	58.481397	1.7	44798.057
Be	9	2	H2	0.021498	29.9	20.333
B	11	2	H2	120.672413	4.6	85726.490
Na	23	1	He	63631.16888	0.7	128805968.083
Mg	24	1	He	93991.61841	0.6	105676291.760
Al	27	1	He	4.870025	1.3	3227.620
Si	28	2	H2	14333.63163	5.3	63598396.000
K	39	1	He	4643.374886	1.0	7911285.713
Ca	43	1	He	217182.9090	0.1	1116709.073
Ca	44	1	He	216523.5443	1.2	18643660.350
Ti	47	1	He	0.154461	5.3	88.667
V	51	1	He	8.109770	1.5	104048.547
Cr	52	1	He	11.481224	0.8	179819.707
Mn	55	1	He	2.230906	1.5	27304.533
Fe	56	1	He	12.241122	0.2	192891.820
Co	59	1	He	0.064583	3.6	1534.073
Ni	60	1	He	0.267757	4.0	2347.500
Cu	63	1	He	0.785705	3.5	11280.893
Zn	66	1	He	3.798796	1.5	11147.483
As	75	1	He	3.569520	0.2	8679.940
Se	78	2	H2	4.134789	1.2	4732.973
Sr	88	1	He	2579.056869	0.9	48617485.940
Mo	95	1	He	0.841245	2.2	7351.590
Pd	105	1	He	0.392298	2.1	4754.080
Ag	107	1	He	-0.001647		831.697
Cd	111	1	He	0.010502	35.7	51.127
Sn	118	1	He	0.144258	5.2	1896.787
Sb	121	1	He	0.056262	9.9	971.703
Ba	138	1	He	75.244777	0.6	2988942.873
Pt	195	1	He	0.011155	25.8	256.673
Hg	202	1	He	0.002413	29.2	96.667
Tl	205	1	He	-0.000409		751.693
Pb	206	1	He	0.018533	3.3	436.677
Pb	207	1	He	0.024473	5.9	1358.403
Pb	208	1	He	0.020508	5.1	2775.123
Bi	209	1	He	0.015592	18.1	2503.577
Th	232	1	He	0.008655	9.3	736.693
U	238	1	He	6.136224	0.8	494600.437

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.1701756	1117360.627
Sc	45	2	H2	95.84926328	6423982.167
Ge	72	1	He	98.29566975	665600.730
Ge	72	2	H2	97.14852237	1762131.873
In	115	1	He	93.55277346	6819429.760
Tb	159	1	He	98.34546306	15924313.093
Ir	193	1	He	94.54369525	7390690.513

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	046_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:56:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	83.504503	4.6	68846.330
Be	9	2	H2	82.783250	4.1	58150.800
B	11	2	H2	90.428203	5.7	69931.340
Na	23	1	He	2101.256602	1.2	4297178.163
Mg	24	1	He	2062.031787	1.3	2336021.320
Al	27	1	He	2023.298090	0.8	1239764.003
Si	28	2	H2	1013.711454	4.6	4850966.833
K	39	1	He	2003.536708	0.7	3512565.887
Ca	43	1	He	2035.698835	1.0	10541.607
Ca	44	1	He	2029.679987	1.6	176020.343
Ti	47	1	He	77.391661	1.1	42985.117
V	51	1	He	82.315816	0.8	1079672.477
Cr	52	1	He	82.765753	0.2	1300479.043
Mn	55	1	He	83.964821	0.5	997304.123
Fe	56	1	He	1038.641918	1.6	14931030.667
Co	59	1	He	82.157374	0.8	1902081.167
Ni	60	1	He	83.485607	0.6	474012.270
Cu	63	1	He	86.041189	0.9	1256804.083
Zn	66	1	He	81.501612	0.8	245546.277
As	75	1	He	77.995300	0.5	192585.000
Se	78	2	H2	78.123973	0.8	95641.507
Sr	88	1	He	77.352465	1.3	1538629.560
Mo	95	1	He	81.177440	0.8	740691.787
Pd	105	1	He	82.361464	0.9	1045576.263
Ag	107	1	He	41.071787	3.1	1040089.230
Cd	111	1	He	80.757371	1.0	388932.020
Sn	118	1	He	79.477679	0.4	1005132.590
Sb	121	1	He	76.811971	1.4	1267261.830
Ba	138	1	He	79.719659	1.1	3265696.723
Pt	195	1	He	82.540157	0.3	1258396.960
Hg	202	1	He	3.802256	4.0	29323.823
Tl	205	1	He	40.027874	0.2	2230301.580
Pb	206	1	He	81.014037	2.0	1532419.250
Pb	207	1	He	85.669971	1.5	1354058.990
Pb	208	1	He	81.959890	1.6	6115489.340
Bi	209	1	He	83.115721	1.2	4880786.697
Th	232	1	He	77.487317	1.2	6552710.527
U	238	1	He	76.066687	1.0	6579560.530

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.7951065	1124195.040
Sc	45	2	H2	103.1632980	6914181.333
Ge	72	1	He	102.9718310	697264.957
Ge	72	2	H2	104.2675857	1891261.253
In	115	1	He	98.70018234	7194644.647
Tb	159	1	He	101.4284097	16423510.587
Ir	193	1	He	101.4735786	7932414.883

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	047_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 12:59:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.116884	4.4	173.000
Be	9	2	H2	0.015734	13.0	18.333
B	11	2	H2	7.208050	9.3	8795.560
Na	23	1	He	24.554621	6.8	68850.337
Mg	24	1	He	-0.010306		3705.413
Al	27	1	He	0.160783	48.6	363.333
Si	28	2	H2	0.988044	45.1	18422.423
K	39	1	He	5.772913	82.9	147838.107
Ca	43	1	He	3.416944	57.2	28.687
Ca	44	1	He	2.762858	36.0	434.823
Ti	47	1	He	0.004612	77.9	6.000
V	51	1	He	-0.101976		-3223.500
Cr	52	1	He	0.005402	48.7	685.350
Mn	55	1	He	-0.067422		200.667
Fe	56	1	He	-0.149876		16217.280
Co	59	1	He	-0.000198		106.000
Ni	60	1	He	-0.111566		306.667
Cu	63	1	He	0.027900	9.2	744.020
Zn	66	1	He	-0.008127		216.667
As	75	1	He	0.024185	25.7	348.167
Se	78	2	H2	0.009459	31.3	31.333
Sr	88	1	He	0.040525	13.2	1053.377
Mo	95	1	He	0.004151	42.4	63.333
Pd	105	1	He	0.007764	33.8	136.667
Ag	107	1	He	0.221665	19.1	6609.677
Cd	111	1	He	0.004762	31.8	26.650
Sn	118	1	He	0.014079	39.3	360.010
Sb	121	1	He	0.003429	29.6	156.667
Ba	138	1	He	0.006239	25.7	420.010
Pt	195	1	He	0.008824	54.5	230.007
Hg	202	1	He	0.025585	18.5	280.010
Tl	205	1	He	0.046416	25.1	3398.727
Pb	206	1	He	0.004018	36.9	176.667
Pb	207	1	He	0.012105	52.6	1215.060
Pb	208	1	He	0.006454	28.4	1826.737
Bi	209	1	He	0.005585	21.5	2010.177
Th	232	1	He	0.006998	7.9	648.353
U	238	1	He	0.003855	12.5	426.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.3688548	1130469.707
Sc	45	2	H2	106.7191877	7152503.167
Ge	72	1	He	101.9647603	690445.663
Ge	72	2	H2	107.5171910	1950204.333
In	115	1	He	100.3765978	7316845.170
Tb	159	1	He	102.2847675	16562173.920
Ir	193	1	He	101.2211951	7912685.503

Sample Name	10607546002_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	048SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:03:22
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	19.237529	4.5	15685.350
Be	9	2	H2	0.049248	12.6	40.667
B	11	2	H2	50.617285	5.4	39953.037
Na	23	1	He	23334.76010	2.2	47724855.957
Mg	24	1	He	31542.60223	1.8	35825397.797
Al	27	1	He	38.582099	2.1	23995.117
Si	28	2	H2	4997.677823	7.1	23532753.333
K	39	1	He	4787.443164	1.8	8235232.587
Ca	43	1	He	79481.66846	1.2	412841.890
Ca	44	1	He	79571.28715	2.3	6920746.817
Ti	47	1	He	0.182785	36.7	105.333
V	51	1	He	5.803685	4.7	74663.390
Cr	52	1	He	9.830594	2.1	155612.270
Mn	55	1	He	131.146681	1.7	1563371.540
Fe	56	1	He	14.912164	1.8	233370.277
Co	59	1	He	0.658508	1.5	15011.600
Ni	60	1	He	0.972779	3.0	6308.460
Cu	63	1	He	0.334533	1.2	5112.077
Zn	66	1	He	4.327380	1.1	12970.043
As	75	1	He	2.420833	1.5	6119.887
Se	78	2	H2	1.251963	1.2	1522.737
Sr	88	1	He	945.759054	0.7	18518616.390
Mo	95	1	He	1.044208	0.7	9339.267
Pd	105	1	He	0.142777	6.9	1820.133
Ag	107	1	He	0.057674	12.7	2341.847
Cd	111	1	He	0.031778	18.5	153.863
Sn	118	1	He	0.165503	3.4	2235.170
Sb	121	1	He	0.189226	5.3	3168.663
Ba	138	1	He	24.664368	0.7	998620.167
Pt	195	1	He	0.011485	11.6	266.677
Hg	202	1	He	0.027172	26.4	286.677
Tl	205	1	He	0.031159	8.5	2503.553
Pb	206	1	He	0.053050	14.3	1090.053
Pb	207	1	He	0.052931	8.8	1828.457
Pb	208	1	He	0.053384	4.7	5252.040
Bi	209	1	He	0.026036	13.2	3157.060
Th	232	1	He	0.018464	6.4	1575.097
U	238	1	He	1.195773	1.8	100616.280

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.2177064	1128816.707
Sc	45	2	H2	101.6325479	6811587.833
Ge	72	1	He	100.6641645	681638.790
Ge	72	2	H2	102.3448810	1856386.207
In	115	1	He	97.16645144	7082844.967
Tb	159	1	He	100.2294620	16229374.343
Ir	193	1	He	98.62370924	7709634.263

Sample Name	10607546003_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	049SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:06:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	31.887970	1.3	24412.063
Be	9	2	H2	0.020515	12.0	19.500
B	11	2	H2	840.057665	2.6	578083.167
Na	23	1	He	186297.4890	0.3	378019074.367
Mg	24	1	He	51560.54500	0.7	58116009.133
Al	27	1	He	4.762360	3.4	3169.607
Si	28	2	H2	15035.20103	4.5	66629064.000
K	39	1	He	3971.885522	0.6	6804130.107
Ca	43	1	He	194086.3300	0.3	1000450.193
Ca	44	1	He	194344.8212	0.5	16775834.043
Ti	47	1	He	0.151721	16.2	87.333
V	51	1	He	10.437846	3.7	134795.897
Cr	52	1	He	42.464026	0.1	665125.310
Mn	55	1	He	0.271628	1.3	4208.503
Fe	56	1	He	3.462877	0.5	67778.973
Co	59	1	He	0.049201	5.0	1190.043
Ni	60	1	He	0.338759	3.2	2721.550
Cu	63	1	He	0.206734	1.4	3199.630
Zn	66	1	He	2.670028	2.2	7876.423
As	75	1	He	5.418646	0.4	12985.213
Se	78	2	H2	4.594009	1.2	5246.450
Sr	88	1	He	1517.255579	1.0	28510564.573
Mo	95	1	He	1.567027	5.8	13618.763
Pd	105	1	He	0.226469	8.8	2750.287
Ag	107	1	He	0.017278	27.4	1281.730
Cd	111	1	He	0.025167	17.9	117.580
Sn	118	1	He	0.054738	10.1	821.697
Sb	121	1	He	0.080926	14.1	1353.403
Ba	138	1	He	61.047031	1.5	2405442.360
Pt	195	1	He	0.009739	54.7	233.340
Hg	202	1	He	0.012831	86.7	173.337
Tl	205	1	He	0.001119	160.9	826.700
Pb	206	1	He	0.013712	21.6	345.010
Pb	207	1	He	0.006547	72.6	1075.047
Pb	208	1	He	0.011830	12.1	2130.080
Bi	209	1	He	0.001757	224.8	1700.123
Th	232	1	He	0.003671	32.8	336.673
U	238	1	He	4.418426	1.1	348154.580

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.4256935	1120155.040
Sc	45	2	H2	95.71159397	6414755.333
Ge	72	1	He	97.94697057	663239.543
Ge	72	2	H2	96.95191995	1758565.793
In	115	1	He	93.24835444	6797239.460
Tb	159	1	He	97.56330501	15797664.347
Ir	193	1	He	92.41633840	7224390.307

Sample Name	4319183_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	050SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:10:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	131.505305	1.1	100897.893
Be	9	2	H2	102.589014	1.6	67101.760
B	11	2	H2	953.463313	3.7	658506.473
Na	23	1	He	186281.3996	1.1	382463300.967
Mg	24	1	He	53472.34236	0.8	60986594.090
Al	27	1	He	2045.833756	0.6	1263907.833
Si	28	2	H2	15632.32226	5.3	69538177.333
K	39	1	He	6006.286554	0.3	10340085.473
Ca	43	1	He	195871.3306	0.1	1021641.090
Ca	44	1	He	194158.1504	0.6	16958574.180
Ti	47	1	He	100.594552	0.8	56330.527
V	51	1	He	116.661678	0.3	1543590.717
Cr	52	1	He	145.885447	0.5	2310738.000
Mn	55	1	He	102.180922	0.9	1223418.500
Fe	56	1	He	2050.669144	0.6	29706666.000
Co	59	1	He	105.066110	0.6	2338061.250
Ni	60	1	He	104.873173	0.7	572093.083
Cu	63	1	He	101.739882	1.4	1428337.420
Zn	66	1	He	102.883611	1.1	297873.970
As	75	1	He	111.323861	0.6	264095.210
Se	78	2	H2	110.073211	1.9	125214.277
Sr	88	1	He	1630.453993	0.9	30440061.217
Mo	95	1	He	109.884174	0.6	963726.263
Pd	105	1	He	20.190832	0.3	240645.200
Ag	107	1	He	46.346096	2.8	1101623.997
Cd	111	1	He	102.094220	1.1	461533.767
Sn	118	1	He	105.621621	0.3	1253853.237
Sb	121	1	He	102.051405	1.0	1580466.953
Ba	138	1	He	162.731751	0.6	6443456.360
Pt	195	1	He	20.239484	1.3	298299.170
Hg	202	1	He	0.014152	81.5	183.337
Tl	205	1	He	100.258772	0.9	5398094.920
Pb	206	1	He	99.075826	1.1	1811640.703
Pb	207	1	He	100.530897	2.2	1535677.113
Pb	208	1	He	98.771557	0.6	7123739.220
Bi	209	1	He	97.967377	1.6	5560326.377
Th	232	1	He	107.068294	0.5	8334090.710
U	238	1	He	106.618446	1.3	8488246.540

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.6418913	1133455.707
Sc	45	2	H2	96.08984699	6440106.500
Ge	72	1	He	98.97773698	670219.290
Ge	72	2	H2	96.88391317	1757332.250
In	115	1	He	92.65023417	6753640.120
Tb	159	1	He	98.03306250	15873728.510
Ir	193	1	He	93.40552723	7301717.393

Sample Name	10607546004_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	051SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:14:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	77.333483	2.0	60517.647
Be	9	2	H2	0.055437	17.4	43.333
B	11	2	H2	174.886722	3.2	125549.983
Na	23	1	He	136432.9572	1.1	286000069.070
Mg	24	1	He	101829.2589	0.8	118570914.900
Al	27	1	He	5.783574	3.6	3918.420
Si	28	2	H2	8608.450338	6.1	39041486.667
K	39	1	He	7552.520132	0.6	13238263.133
Ca	43	1	He	196875.7727	0.6	1048413.880
Ca	44	1	He	196081.1770	1.2	17485555.767
Ti	47	1	He	0.132627	9.5	79.333
V	51	1	He	6.635657	3.8	87813.120
Cr	52	1	He	5.244630	1.1	85404.187
Mn	55	1	He	355.872056	1.0	4347759.000
Fe	56	1	He	9.764803	0.4	163176.873
Co	59	1	He	0.667743	0.6	15114.360
Ni	60	1	He	1.821080	3.6	10930.003
Cu	63	1	He	0.221290	3.0	3471.680
Zn	66	1	He	23.618026	1.3	69240.763
As	75	1	He	2.152996	1.7	5436.327
Se	78	2	H2	3.070826	0.9	3607.703
Sr	88	1	He	2962.950013	0.4	56230169.163
Mo	95	1	He	7.768674	2.0	68828.267
Pd	105	1	He	0.443279	3.3	5404.293
Ag	107	1	He	0.228708	21.7	6402.963
Cd	111	1	He	0.043368	31.3	202.683
Sn	118	1	He	0.388000	2.4	4850.723
Sb	121	1	He	0.251572	4.0	4052.187
Ba	138	1	He	161.106715	1.1	6390887.613
Pt	195	1	He	0.014995	20.3	313.343
Hg	202	1	He	0.016749	17.4	203.340
Tl	205	1	He	0.043977	16.2	3145.340
Pb	206	1	He	0.053213	9.9	1071.713
Pb	207	1	He	0.047573	9.4	1710.107
Pb	208	1	He	0.052805	3.9	5105.350
Bi	209	1	He	0.047372	17.1	4304.023
Th	232	1	He	0.030796	9.1	2461.887
U	238	1	He	1.583633	0.5	126706.927

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.8176184	1157250.047
Sc	45	2	H2	97.93963299	6564082.333
Ge	72	1	He	99.95726840	676852.103
Ge	72	2	H2	99.57129503	1806077.420
In	115	1	He	94.17726282	6864951.247
Tb	159	1	He	98.21440219	15903091.430
Ir	193	1	He	93.80072568	7332610.933

Sample Name	10607546005_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	052SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:17:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	65.218254	1.0	48649.873
Be	9	2	H2	0.042558	9.0	33.167
B	11	2	H2	100.545083	3.0	70045.060
Na	23	1	He	80109.09644	0.7	158304734.310
Mg	24	1	He	125280.3140	1.6	137502574.617
Al	27	1	He	8.614766	1.7	5377.120
Si	28	2	H2	13606.12950	5.2	58826554.667
K	39	1	He	5586.400773	0.6	9264730.280
Ca	43	1	He	290257.0734	0.6	1456966.323
Ca	44	1	He	290019.1642	0.8	24378706.827
Ti	47	1	He	0.153471	13.8	86.000
V	51	1	He	7.675677	6.8	96052.683
Cr	52	1	He	37.035151	0.2	564964.750
Mn	55	1	He	3.664739	1.5	43165.290
Fe	56	1	He	7.246916	1.0	118720.050
Co	59	1	He	0.101431	6.9	2270.153
Ni	60	1	He	0.420667	3.1	3069.607
Cu	63	1	He	0.162854	2.3	2512.850
Zn	66	1	He	13.460646	1.3	37617.293
As	75	1	He	3.965674	1.1	9293.750
Se	78	2	H2	5.268251	2.5	5851.300
Sr	88	1	He	3746.775898	0.8	68452153.980
Mo	95	1	He	1.623998	3.5	13698.810
Pd	105	1	He	0.585310	3.6	6858.217
Ag	107	1	He	0.068491	3.1	2436.867
Cd	111	1	He	0.030069	42.6	135.887
Sn	118	1	He	0.126291	4.5	1630.093
Sb	121	1	He	0.066278	5.8	1093.380
Ba	138	1	He	73.387311	0.3	2847783.917
Pt	195	1	He	0.011327	33.5	253.340
Hg	202	1	He	0.008220	11.3	136.667
Tl	205	1	He	0.015125	15.8	1553.430
Pb	206	1	He	0.055479	3.9	1088.383
Pb	207	1	He	0.050981	7.5	1723.443
Pb	208	1	He	0.055256	1.4	5167.027
Bi	209	1	He	0.028285	8.7	3150.380
Th	232	1	He	0.018338	9.8	1441.753
U	238	1	He	6.659204	0.9	515701.843

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.74080894	1090792.417
Sc	45	2	H2	93.36737370	6257641.667
Ge	72	1	He	95.04098889	643561.937
Ge	72	2	H2	94.34290972	1711242.170
In	115	1	He	90.66118482	6608650.487
Tb	159	1	He	96.07204098	15556195.603
Ir	193	1	He	90.83547258	7100810.517

Sample Name	10607546006_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	053SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:21:27
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.634206	0.5	60852.737
Be	9	2	H2	0.029152	41.1	26.167
B	11	2	H2	139.819684	2.6	102500.790
Na	23	1	He	234338.0165	5.6	476452846.233
Mg	24	1	He	312.508693	5.9	356593.967
Al	27	1	He	26.467005	5.8	16451.280
Si	28	2	H2	867.109903	4.9	4003106.667
K	39	1	He	66174.67500	5.3	111444891.673
Ca	43	1	He	87209.44582	5.6	450433.807
Ca	44	1	He	87477.19619	4.7	7567885.897
Ti	47	1	He	0.178485	18.9	102.000
V	51	1	He	0.486392	26.7	4550.363
Cr	52	1	He	12.959057	5.1	203821.227
Mn	55	1	He	0.045346	17.3	1536.737
Fe	56	1	He	4.401615	7.0	81376.490
Co	59	1	He	0.060583	5.5	1422.730
Ni	60	1	He	0.702439	6.3	4621.943
Cu	63	1	He	1.177486	3.4	16476.223
Zn	66	1	He	2.680112	5.8	7803.053
As	75	1	He	0.849286	3.3	2242.143
Se	78	2	H2	2.845021	0.6	3402.333
Sr	88	1	He	1871.754886	5.2	35072306.147
Mo	95	1	He	33.967321	4.9	291067.577
Pd	105	1	He	0.306755	9.7	3703.813
Ag	107	1	He	0.039984	14.3	1818.447
Cd	111	1	He	0.028817	7.4	134.347
Sn	118	1	He	0.324200	11.5	4022.173
Sb	121	1	He	0.570371	5.5	8955.757
Ba	138	1	He	300.980764	5.9	11645695.663
Pt	195	1	He	0.018749	8.3	360.013
Hg	202	1	He	0.012695	39.5	170.003
Tl	205	1	He	0.035698	5.9	2636.920
Pb	206	1	He	0.051595	10.6	1015.043
Pb	207	1	He	0.053474	13.3	1763.453
Pb	208	1	He	0.051397	2.7	4888.653
Bi	209	1	He	0.024903	23.7	2967.020
Th	232	1	He	0.010104	0.9	828.363
U	238	1	He	0.007720	20.4	686.690

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.7960212	1124205.043
Sc	45	2	H2	99.42001883	6663300.333
Ge	72	1	He	96.80328389	655495.167
Ge	72	2	H2	101.3172278	1837746.083
In	115	1	He	93.13295047	6788827.210
Tb	159	1	He	96.01513348	15546981.017
Ir	193	1	He	92.01362718	7192909.477

Sample Name	10607546007_B70175Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	054SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:25:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	58.316883	1.4	45022.290
Be	9	2	H2	0.032603	11.5	27.667
B	11	2	H2	137.536673	2.8	98030.303
Na	23	1	He	104625.0182	0.8	216396396.777
Mg	24	1	He	107996.0778	0.9	124069604.817
Al	27	1	He	11.656929	0.5	7520.867
Si	28	2	H2	10130.84461	4.5	45306334.667
K	39	1	He	6893.655127	0.5	11934043.987
Ca	43	1	He	214045.9445	0.3	1124614.037
Ca	44	1	He	214336.5617	0.9	18857991.657
Ti	47	1	He	0.148699	18.0	87.333
V	51	1	He	6.247727	0.6	81469.330
Cr	52	1	He	2.829733	1.2	45742.727
Mn	55	1	He	196.053831	0.4	2363667.250
Fe	56	1	He	4.968708	1.2	91048.260
Co	59	1	He	0.852086	0.9	19058.740
Ni	60	1	He	2.170599	0.4	12721.863
Cu	63	1	He	0.224794	2.8	3484.353
Zn	66	1	He	39.551527	0.6	114603.370
As	75	1	He	1.646651	1.3	4180.990
Se	78	2	H2	4.299617	1.9	4948.360
Sr	88	1	He	3741.480720	0.6	70448653.950
Mo	95	1	He	3.473170	2.4	30474.977
Pd	105	1	He	0.603849	9.2	7288.337
Ag	107	1	He	0.014800	17.7	1225.053
Cd	111	1	He	0.040872	32.2	189.193
Sn	118	1	He	0.245938	3.3	3111.973
Sb	121	1	He	0.101841	8.9	1681.767
Ba	138	1	He	357.709512	0.8	14087023.957
Pt	195	1	He	0.006982	62.3	193.340
Hg	202	1	He	0.012909	17.0	173.340
Tl	205	1	He	0.012655	12.0	1445.080
Pb	206	1	He	0.033393	13.7	703.357
Pb	207	1	He	0.034359	39.2	1496.757
Pb	208	1	He	0.033265	14.6	3666.863
Bi	209	1	He	0.028112	20.8	3187.063
Th	232	1	He	0.008104	2.4	683.353
U	238	1	He	2.484394	1.7	197306.130

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	104.4010895	1141758.503
Sc	45	2	H2	96.61013855	6474977.333
Ge	72	1	He	98.93220292	669910.960
Ge	72	2	H2	97.68040105	1771779.373
In	115	1	He	93.44036891	6811236.150
Tb	159	1	He	97.50494879	15788215.180
Ir	193	1	He	93.12749261	7279982.810

Sample Name	FB 5/11/22
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	055SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:28:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.145763	18.7	195.167
Be	9	2	H2	0.023388	16.6	23.667
B	11	2	H2	7.962328	10.9	9275.827
Na	23	1	He	61.666491	3.0	148087.840
Mg	24	1	He	8.675893	8.8	13891.967
Al	27	1	He	17.123316	1.0	11048.293
Si	28	2	H2	16.296997	5.7	93048.880
K	39	1	He	13.048502	6.5	163863.897
Ca	43	1	He	35.179440	7.9	198.420
Ca	44	1	He	34.933294	16.3	3310.707
Ti	47	1	He	0.228651	8.2	134.000
V	51	1	He	-0.054367		-2659.493
Cr	52	1	He	0.357981	3.5	6389.810
Mn	55	1	He	0.024006	20.7	1320.720
Fe	56	1	He	4.942598	0.2	91714.733
Co	59	1	He	0.011881	4.8	388.010
Ni	60	1	He	-0.069808		548.010
Cu	63	1	He	0.104792	5.1	1880.107
Zn	66	1	He	1.236628	0.5	3977.123
As	75	1	He	0.163412	12.1	697.180
Se	78	2	H2	0.108741	7.0	154.333
Sr	88	1	He	0.224606	10.2	4874.060
Mo	95	1	He	0.110666	4.6	1038.377
Pd	105	1	He	0.075426	7.8	1030.050
Ag	107	1	He	-0.010938		666.687
Cd	111	1	He	0.013271	19.8	69.687
Sn	118	1	He	0.251565	6.2	3482.063
Sb	121	1	He	0.095926	4.0	1741.773
Ba	138	1	He	0.083496	10.1	3630.433
Pt	195	1	He	0.010832	40.1	263.343
Hg	202	1	He	0.009152	60.7	153.337
Tl	205	1	He	-0.003137		631.687
Pb	206	1	He	0.032281	7.7	720.027
Pb	207	1	He	0.045696	4.7	1760.117
Pb	208	1	He	0.035050	5.7	4001.900
Bi	209	1	He	0.025334	10.5	3197.067
Th	232	1	He	0.010680	13.3	970.040
U	238	1	He	0.004448	5.2	481.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	105.6094460	1154973.417
Sc	45	2	H2	105.6112036	7078244.167
Ge	72	1	He	103.2665474	699260.603
Ge	72	2	H2	105.9369021	1921540.207
In	115	1	He	102.3391588	7459903.960
Tb	159	1	He	102.8398541	16652054.750
Ir	193	1	He	102.2879637	7996077.173

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	056_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:32:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.849601	4.8	66997.107
Be	9	2	H2	82.417415	3.8	56779.840
B	11	2	H2	88.098613	4.7	66893.263
Na	23	1	He	2109.144673	0.7	4264540.560
Mg	24	1	He	2055.196627	0.7	2301992.883
Al	27	1	He	2021.388028	0.7	1224556.420
Si	28	2	H2	1018.878077	5.0	4782609.667
K	39	1	He	2040.038980	0.9	3533565.153
Ca	43	1	He	2039.002315	0.8	10439.487
Ca	44	1	He	2016.908903	1.5	172933.243
Ti	47	1	He	77.146564	1.1	42362.993
V	51	1	He	82.512657	0.9	1070003.227
Cr	52	1	He	82.765299	0.6	1285732.917
Mn	55	1	He	83.580618	0.9	981459.873
Fe	56	1	He	1031.821400	1.1	14666117.667
Co	59	1	He	82.196637	0.9	1883430.710
Ni	60	1	He	83.607405	0.9	469806.957
Cu	63	1	He	84.883577	0.5	1227127.873
Zn	66	1	He	80.527464	0.2	240123.773
As	75	1	He	77.480722	0.3	189350.287
Se	78	2	H2	78.333709	0.6	94278.417
Sr	88	1	He	76.664290	0.8	1524836.227
Mo	95	1	He	79.817940	0.2	720820.873
Pd	105	1	He	80.094657	1.3	1016726.030
Ag	107	1	He	40.215954	4.3	1018153.133
Cd	111	1	He	79.670834	0.4	383653.760
Sn	118	1	He	79.327899	0.8	1003118.213
Sb	121	1	He	75.373790	1.4	1243423.810
Ba	138	1	He	80.106761	1.4	3227608.700
Pt	195	1	He	81.028452	1.0	1214974.120
Hg	202	1	He	3.690344	5.3	27981.360
Tl	205	1	He	39.667260	0.5	2173726.480
Pb	206	1	He	82.150511	0.8	1528504.507
Pb	207	1	He	85.378075	0.4	1327335.243
Pb	208	1	He	82.276268	1.0	6038435.433
Bi	209	1	He	83.464362	1.6	4820483.367
Th	232	1	He	77.600727	1.3	6443326.987
U	238	1	He	76.301644	0.7	6480342.613

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.6278057	1111429.123
Sc	45	2	H2	101.1775188	6781091.000
Ge	72	1	He	101.9127898	690093.750
Ge	72	2	H2	102.5058574	1859306.083
In	115	1	He	98.69000403	7193902.710
Tb	159	1	He	99.75400736	16152387.677
Ir	193	1	He	99.63434098	7788637.590

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	057_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:35:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.105094	15.4	160.667
Be	9	2	H2	0.012565	36.3	15.833
B	11	2	H2	4.381508	8.8	6531.277
Na	23	1	He	23.459897	5.1	67027.023
Mg	24	1	He	-0.745988		2891.920
Al	27	1	He	0.168902	33.6	371.003
Si	28	2	H2	0.118233	146.9	13961.443
K	39	1	He	7.455903	28.3	151656.937
Ca	43	1	He	1.762957	65.0	20.430
Ca	44	1	He	1.535595	26.2	331.703
Ti	47	1	He	0.003354	63.2	5.333
V	51	1	He	-0.042395		-2461.633
Cr	52	1	He	0.007889	22.2	729.353
Mn	55	1	He	-0.064419		238.667
Fe	56	1	He	-0.132698		16568.257
Co	59	1	He	0.000448	344.8	122.000
Ni	60	1	He	-0.117635		274.667
Cu	63	1	He	0.023005	2.1	678.687
Zn	66	1	He	-0.014336		200.000
As	75	1	He	0.026715	22.1	357.167
Se	78	2	H2	0.013740	62.3	36.000
Sr	88	1	He	0.028603	8.3	831.693
Mo	95	1	He	0.004867	29.6	70.000
Pd	105	1	He	0.006762	55.7	126.670
Ag	107	1	He	0.192757	16.7	6019.450
Cd	111	1	He	0.005637	53.8	31.643
Sn	118	1	He	0.015920	26.8	393.343
Sb	121	1	He	0.003462	38.2	160.000
Ba	138	1	He	0.007758	14.7	488.343
Pt	195	1	He	0.003660	52.3	153.337
Hg	202	1	He	0.017558	25.0	220.007
Tl	205	1	He	0.039119	32.7	3025.323
Pb	206	1	He	0.002780	62.3	155.000
Pb	207	1	He	0.009540	97.2	1185.057
Pb	208	1	He	0.004834	65.3	1721.733
Bi	209	1	He	0.006297	80.2	2070.187
Th	232	1	He	0.007851	6.6	725.027
U	238	1	He	0.002343	19.7	296.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	103.8966323	1136241.623
Sc	45	2	H2	105.1113731	7044744.667
Ge	72	1	He	102.6943720	695386.167
Ge	72	2	H2	105.5736057	1914950.543
In	115	1	He	102.4948366	7471251.930
Tb	159	1	He	103.2425140	16717254.333
Ir	193	1	He	101.7078184	7950725.923

Sample Name	4323170_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	058SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:39:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.100903	18.4	157.833
Be	9	2	H2	0.010060	37.9	14.000
B	11	2	H2	4.270530	6.2	6474.597
Na	23	1	He	22.034506	2.9	64292.343
Mg	24	1	He	0.974855	22.6	4874.023
Al	27	1	He	2.462106	1.0	1796.423
Si	28	2	H2	0.792254	20.1	17303.483
K	39	1	He	6.468437	10.9	150432.510
Ca	43	1	He	7.020239	19.6	48.083
Ca	44	1	He	7.628396	13.4	867.580
Ti	47	1	He	0.054283	29.1	34.000
V	51	1	He	-0.075632		-2904.767
Cr	52	1	He	0.272872	1.1	4950.020
Mn	55	1	He	-0.038415		552.010
Fe	56	1	He	2.525480	1.3	55308.747
Co	59	1	He	-0.000021		110.667
Ni	60	1	He	-0.107469		330.670
Cu	63	1	He	0.033099	10.7	822.020
Zn	66	1	He	0.209220	4.9	867.357
As	75	1	He	0.019062	30.8	336.833
Se	78	2	H2	0.005593	76.7	26.000
Sr	88	1	He	0.025951	14.9	778.360
Mo	95	1	He	0.012072	15.4	135.000
Pd	105	1	He	0.002446	124.0	70.000
Ag	107	1	He	0.056154	13.8	2435.197
Cd	111	1	He	0.001971	77.0	13.297
Sn	118	1	He	0.022578	37.3	481.680
Sb	121	1	He	0.002086	114.6	136.667
Ba	138	1	He	0.012944	8.7	706.690
Pt	195	1	He	0.004700	24.3	170.003
Hg	202	1	He	0.015812	38.5	206.670
Tl	205	1	He	0.004088	21.7	1046.710
Pb	206	1	He	0.005593	17.2	210.003
Pb	207	1	He	0.006018	80.8	1131.717
Pb	208	1	He	0.005793	23.9	1800.063
Bi	209	1	He	0.006531	35.7	2093.513
Th	232	1	He	0.002559	13.8	283.340
U	238	1	He	0.001266	25.8	208.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	104.1989596	1139547.957
Sc	45	2	H2	105.5002594	7070808.500
Ge	72	1	He	102.2415400	692319.853
Ge	72	2	H2	105.6775303	1916835.583
In	115	1	He	102.6810152	7484823.220
Tb	159	1	He	103.5356100	16764713.083
Ir	193	1	He	104.2794187	8151753.627

Sample Name	4323171_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	059SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:43:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	107.262134	6.5	87270.110
Be	9	2	H2	107.701518	5.1	74675.663
B	11	2	H2	111.074508	4.4	84038.923
Na	23	1	He	2171.431761	1.4	4390555.250
Mg	24	1	He	2143.760775	0.7	2401448.247
Al	27	1	He	2073.999519	0.4	1256646.750
Si	28	2	H2	533.740285	6.2	2527204.167
K	39	1	He	2111.037610	0.2	3652455.780
Ca	43	1	He	2099.385810	0.4	10749.970
Ca	44	1	He	2065.915322	1.0	177158.920
Ti	47	1	He	99.770481	1.2	54792.593
V	51	1	He	104.490095	0.9	1355735.763
Cr	52	1	He	105.986040	0.8	1646580.333
Mn	55	1	He	106.185007	0.4	1246848.413
Fe	56	1	He	2124.550235	1.6	30182586.667
Co	59	1	He	108.776510	1.8	2472525.583
Ni	60	1	He	110.315902	0.8	614673.817
Cu	63	1	He	109.108310	0.9	1564697.627
Zn	66	1	He	105.121713	0.7	310896.457
As	75	1	He	102.495517	0.7	248400.207
Se	78	2	H2	102.027358	2.3	122316.923
Sr	88	1	He	101.703244	0.5	2015843.980
Mo	95	1	He	105.138260	1.3	941916.940
Pd	105	1	He	21.255797	0.7	268916.717
Ag	107	1	He	50.274750	2.8	1268280.870
Cd	111	1	He	102.586948	0.6	492301.853
Sn	118	1	He	100.332024	0.4	1264355.423
Sb	121	1	He	97.841317	0.8	1608576.433
Ba	138	1	He	102.626784	0.3	4116287.960
Pt	195	1	He	20.756234	0.5	309881.070
Hg	202	1	He	0.021755	57.6	243.340
Tl	205	1	He	105.404268	0.7	5748555.953
Pb	206	1	He	107.667790	0.6	1994201.113
Pb	207	1	He	108.048549	0.7	1671915.547
Pb	208	1	He	107.958683	0.5	7887118.783
Bi	209	1	He	108.732749	1.6	6250925.950
Th	232	1	He	104.617720	1.8	8726479.663
U	238	1	He	99.027279	1.6	8448975.917

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.6457390	1111625.247
Sc	45	2	H2	101.8698242	6827490.500
Ge	72	1	He	101.1062897	684632.603
Ge	72	2	H2	102.1416720	1852700.293
In	115	1	He	98.35044094	7169150.620
Tb	159	1	He	99.30190236	16079181.843
Ir	193	1	He	100.0981886	7824897.593

Sample Name	10608161001_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	060SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:46:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.900135	1.3	4906.810
Be	9	2	H2	0.019628	19.2	17.500
B	11	2	H2	8.702775	8.1	8201.953
Na	23	1	He	85864.36374	0.4	164160564.220
Mg	24	1	He	13579.69297	0.6	14423613.537
Al	27	1	He	98.821717	1.1	57081.907
Si	28	2	H2	1423.655664	3.8	5810918.833
K	39	1	He	31656.36401	0.7	50191685.920
Ca	43	1	He	539946.3669	0.8	2622208.807
Ca	44	1	He	540380.6853	0.6	43947332.770
Ti	47	1	He	0.367183	13.1	194.667
V	51	1	He	2.857199	1.7	33483.473
Cr	52	1	He	0.574602	0.9	9032.933
Mn	55	1	He	97.595505	0.9	1088075.210
Fe	56	1	He	7.058109	1.8	112321.740
Co	59	1	He	0.080719	2.1	1728.757
Ni	60	1	He	0.415933	5.8	2879.577
Cu	63	1	He	1.627449	0.6	21042.307
Zn	66	1	He	1.290128	5.4	3601.040
As	75	1	He	2.170793	1.7	4925.847
Se	78	2	H2	3.123644	3.2	3275.973
Sr	88	1	He	2688.858259	1.1	48493430.943
Mo	95	1	He	865.885372	1.0	6895168.440
Pd	105	1	He	0.439336	3.2	5090.857
Ag	107	1	He	0.209071	14.7	5625.987
Cd	111	1	He	0.124566	43.0	548.347
Sn	118	1	He	0.041199	4.6	633.353
Sb	121	1	He	0.214588	6.5	3297.017
Ba	138	1	He	28.767259	0.5	1092519.567
Pt	195	1	He	0.019963	15.0	370.013
Hg	202	1	He	0.179032	19.6	1350.083
Tl	205	1	He	0.025071	12.4	2033.487
Pb	206	1	He	0.017172	24.5	393.343
Pb	207	1	He	0.019945	50.3	1231.727
Pb	208	1	He	0.018734	13.3	2530.103
Bi	209	1	He	0.008490	20.0	2006.830
Th	232	1	He	0.029833	13.8	2261.857
U	238	1	He	3.925925	1.3	297526.297

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.50055853	1055356.163
Sc	45	2	H2	88.06979230	5902588.667
Ge	72	1	He	89.87085746	608552.833
Ge	72	2	H2	88.90462359	1612599.627
In	115	1	He	89.50217362	6524165.600
Tb	159	1	He	94.01746623	15223514.353
Ir	193	1	He	88.88248774	6948141.357

Sample Name	10608161001_B70212Dx50
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	061SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:50:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.246575	17.1	273.500
Be	9	2	H2	0.012922	35.6	15.667
B	11	2	H2	4.138338	2.8	6211.153
Na	23	1	He	1784.341176	0.8	3639594.740
Mg	24	1	He	282.414700	0.7	322056.747
Al	27	1	He	2.954328	4.6	2066.453
Si	28	2	H2	32.450697	5.8	167444.927
K	39	1	He	653.115426	1.0	1233497.900
Ca	43	1	He	10846.06101	1.3	55926.700
Ca	44	1	He	11127.09562	0.8	960843.080
Ti	47	1	He	0.016745	90.3	12.667
V	51	1	He	0.022908	294.3	-1569.813
Cr	52	1	He	0.048006	8.3	1346.720
Mn	55	1	He	1.962860	0.7	24208.850
Fe	56	1	He	0.283139	11.1	22287.040
Co	59	1	He	-0.000621		94.667
Ni	60	1	He	-0.095714		388.010
Cu	63	1	He	0.053783	8.5	1097.373
Zn	66	1	He	-0.000412		235.333
As	75	1	He	0.042302	16.0	385.167
Se	78	2	H2	0.052515	13.3	81.333
Sr	88	1	He	51.724401	0.7	1041917.743
Mo	95	1	He	16.529361	0.9	146541.723
Pd	105	1	He	0.014005	7.0	216.677
Ag	107	1	He	0.032095	3.7	1753.440
Cd	111	1	He	0.001235	121.6	9.370
Sn	118	1	He	0.112221	1.2	1616.760
Sb	121	1	He	0.005197	24.0	185.000
Ba	138	1	He	0.571503	0.7	23733.473
Pt	195	1	He	0.002905	58.6	140.000
Hg	202	1	He	0.011417	20.2	170.003
Tl	205	1	He	-0.006393		445.010
Pb	206	1	He	0.002170	98.7	141.667
Pb	207	1	He	0.004829	119.3	1098.383
Pb	208	1	He	0.002600	35.2	1536.727
Bi	209	1	He	0.005966	46.5	2030.167
Th	232	1	He	0.001849	14.4	213.333
U	238	1	He	0.076782	3.0	6663.140

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	102.4446634	1120362.500
Sc	45	2	H2	102.8428695	6892705.667
Ge	72	1	He	100.0388766	677404.707
Ge	72	2	H2	101.9813801	1849792.833
In	115	1	He	99.93986888	7285010.277
Tb	159	1	He	102.1139859	16534520.587
Ir	193	1	He	100.3910090	7847788.010

Sample Name	10608163001_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	062SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:53:51
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	8.124837	1.5	5426.947
Be	9	2	H2	0.007502	72.0	9.667
B	11	2	H2	8.745620	12.5	7735.107
Na	23	1	He	105359.2272	1.5	194131637.107
Mg	24	1	He	17102.98662	0.9	17507259.323
Al	27	1	He	100.676578	0.7	56044.067
Si	28	2	H2	1608.141586	2.9	6174164.333
K	39	1	He	39055.30252	0.4	59653817.443
Ca	43	1	He	682484.8494	1.0	3194432.543
Ca	44	1	He	689160.4502	0.8	54018662.487
Ti	47	1	He	0.408986	9.2	208.667
V	51	1	He	3.561926	1.0	40651.383
Cr	52	1	He	1.201491	1.6	17615.223
Mn	55	1	He	134.122155	1.2	1440809.080
Fe	56	1	He	12.750337	0.7	182212.293
Co	59	1	He	0.098340	2.4	1984.117
Ni	60	1	He	0.526649	7.1	3261.643
Cu	63	1	He	2.076600	3.0	25474.677
Zn	66	1	He	1.470597	2.2	3879.100
As	75	1	He	2.823231	1.2	6024.687
Se	78	2	H2	3.926118	0.6	3833.087
Sr	88	1	He	3398.983339	0.3	58775939.127
Mo	95	1	He	1093.752156	0.5	8289895.087
Pd	105	1	He	0.530773	3.2	5891.130
Ag	107	1	He	0.025615	11.0	1363.400
Cd	111	1	He	0.168857	7.2	710.033
Sn	118	1	He	0.049724	19.9	701.687
Sb	121	1	He	0.244795	6.6	3597.080
Ba	138	1	He	36.126490	0.7	1323190.500
Pt	195	1	He	0.009697	23.4	216.677
Hg	202	1	He	0.200507	7.7	1450.097
Tl	205	1	He	0.012716	5.8	1346.737
Pb	206	1	He	0.008645	41.9	235.003
Pb	207	1	He	0.007551	64.3	1013.377
Pb	208	1	He	0.007917	27.2	1718.390
Bi	209	1	He	0.002738	34.6	1633.450
Th	232	1	He	0.008975	2.3	683.353
U	238	1	He	5.080277	1.5	367059.437

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.00976810	1017179.937
Sc	45	2	H2	82.87768666	5554604.833
Ge	72	1	He	85.53570616	579197.727
Ge	72	2	H2	82.84240798	1502639.917
In	115	1	He	85.81307149	6255252.430
Tb	159	1	He	90.67394428	14682123.947
Ir	193	1	He	84.74501787	6624706.153

Sample Name	4323885_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	063SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 13:57:27
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	87.233260	5.6	53047.613
Be	9	2	H2	76.540140	6.1	39660.127
B	11	2	H2	79.956961	3.8	45936.690
Na	23	1	He	106093.9276	0.9	189337923.847
Mg	24	1	He	18654.92197	1.1	18494073.473
Al	27	1	He	2012.549600	0.6	1080652.207
Si	28	2	H2	2614.950882	4.9	9223151.333
K	39	1	He	40579.97033	0.8	60024757.440
Ca	43	1	He	676715.8472	0.9	3067710.427
Ca	44	1	He	679242.5732	1.4	51564798.640
Ti	47	1	He	78.281921	0.5	38101.013
V	51	1	He	85.537926	0.9	983206.013
Cr	52	1	He	79.931310	1.2	1100591.913
Mn	55	1	He	210.106205	1.2	2185594.083
Fe	56	1	He	947.558167	0.5	11939165.333
Co	59	1	He	82.202302	0.3	1553018.293
Ni	60	1	He	81.263794	0.8	376518.230
Cu	63	1	He	81.069521	0.7	966284.147
Zn	66	1	He	77.021589	0.9	189360.560
As	75	1	He	89.896356	0.7	181091.417
Se	78	2	H2	106.732359	4.6	95108.520
Sr	88	1	He	3486.845857	0.5	58201077.467
Mo	95	1	He	1150.685816	0.9	8567109.663
Pd	105	1	He	74.068615	1.6	789085.457
Ag	107	1	He	36.653684	4.3	778741.367
Cd	111	1	He	75.768556	1.4	306214.467
Sn	118	1	He	78.938690	1.2	837768.060
Sb	121	1	He	78.255873	1.2	1083497.770
Ba	138	1	He	115.005293	1.2	4094310.147
Pt	195	1	He	74.631063	0.9	988776.703
Hg	202	1	He	0.228947	4.0	1600.120
Tl	205	1	He	38.729902	1.1	1875316.067
Pb	206	1	He	76.393776	0.3	1255964.773
Pb	207	1	He	76.501543	0.5	1050985.297
Pb	208	1	He	75.691533	0.9	4908653.833
Bi	209	1	He	71.355970	1.5	3641684.633
Th	232	1	He	78.813883	1.4	5372277.833
U	238	1	He	86.642963	1.8	6041019.287

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.07867673	985124.730
Sc	45	2	H2	76.32626787	5115517.500
Ge	72	1	He	84.02843567	568991.373
Ge	72	2	H2	76.01978311	1378887.497
In	115	1	He	82.83480966	6038155.207
Tb	159	1	He	88.14305801	14272317.290
Ir	193	1	He	81.79839889	6394362.407

Sample Name	4323886_B70212Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	064SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:01:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.018005	5.6	1496.227
Be	9	2	H2	0.014866	28.0	14.833
B	11	2	H2	4.528341	13.0	5634.300
Na	23	1	He	23199.96925	1.2	42689692.697
Mg	24	1	He	3814.210957	1.1	3900419.423
Al	27	1	He	23.245680	1.2	13101.953
Si	28	2	H2	387.886105	7.0	1610440.457
K	39	1	He	8460.057828	0.9	12997300.227
Ca	43	1	He	149514.3915	0.7	698655.013
Ca	44	1	He	150175.6444	0.9	11751559.713
Ti	47	1	He	0.128073	9.1	67.333
V	51	1	He	0.728766	17.1	6958.890
Cr	52	1	He	0.295989	5.3	4738.640
Mn	55	1	He	30.135305	0.8	323891.103
Fe	56	1	He	3.011572	2.0	55589.007
Co	59	1	He	0.023075	0.9	560.010
Ni	60	1	He	0.034952	24.4	988.030
Cu	63	1	He	0.497087	3.2	6589.897
Zn	66	1	He	0.372659	8.1	1183.377
As	75	1	He	0.583084	6.0	1499.230
Se	78	2	H2	0.779053	4.5	823.687
Sr	88	1	He	714.825727	0.6	13124068.970
Mo	95	1	He	237.428995	0.5	1877731.587
Pd	105	1	He	0.112954	26.3	1356.753
Ag	107	1	He	0.199672	17.4	5510.950
Cd	111	1	He	0.044345	57.9	200.037
Sn	118	1	He	0.101341	9.4	1346.737
Sb	121	1	He	0.054862	11.6	925.033
Ba	138	1	He	7.964283	1.1	309928.243
Pt	195	1	He	0.008524	4.3	213.343
Hg	202	1	He	0.045618	23.5	410.013
Tl	205	1	He	0.058458	29.4	3850.510
Pb	206	1	He	0.005580	47.2	195.000
Pb	207	1	He	0.010796	41.9	1125.053
Pb	208	1	He	0.007389	12.3	1788.397
Bi	209	1	He	0.006723	51.6	1956.823
Th	232	1	He	0.010119	13.1	833.363
U	238	1	He	1.122787	1.6	88565.737

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.85235429	1015458.417
Sc	45	2	H2	89.00244025	5965096.333
Ge	72	1	He	89.25068620	604353.397
Ge	72	2	H2	88.29669577	1601572.707
In	115	1	He	91.10902661	6641295.437
Tb	159	1	He	96.30181440	15593401.020
Ir	193	1	He	92.45387045	7227324.270

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	065_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:04:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	81.703583	4.0	59698.193
Be	9	2	H2	82.210764	3.6	51176.843
B	11	2	H2	84.926290	5.6	58335.000
Na	23	1	He	2082.307714	0.7	3817837.963
Mg	24	1	He	2043.601609	1.0	2075544.397
Al	27	1	He	2024.561320	0.4	1112115.710
Si	28	2	H2	1029.432297	3.6	4365926.083
K	39	1	He	2027.543933	1.1	3185122.140
Ca	43	1	He	2039.081799	2.1	9465.770
Ca	44	1	He	2051.858658	0.8	159524.023
Ti	47	1	He	77.463647	0.7	38570.003
V	51	1	He	82.119638	1.3	965569.633
Cr	52	1	He	82.771782	0.4	1165921.377
Mn	55	1	He	84.374405	0.7	898415.043
Fe	56	1	He	1042.129912	0.7	13430858.667
Co	59	1	He	82.932535	1.0	1717862.837
Ni	60	1	He	84.103767	0.3	427250.300
Cu	63	1	He	85.703446	0.1	1120088.333
Zn	66	1	He	81.835098	0.5	220606.583
As	75	1	He	78.460362	0.5	173338.990
Se	78	2	H2	80.131645	1.2	85919.740
Sr	88	1	He	76.610261	0.4	1425012.220
Mo	95	1	He	82.102958	0.7	670290.120
Pd	105	1	He	79.999067	1.5	949620.323
Ag	107	1	He	40.638000	4.0	962109.310
Cd	111	1	He	80.823478	1.7	363946.383
Sn	118	1	He	79.838502	0.8	944172.410
Sb	121	1	He	76.045809	0.9	1173222.770
Ba	138	1	He	79.770888	1.3	3085587.450
Pt	195	1	He	81.411066	1.5	1171821.260
Hg	202	1	He	3.674820	2.3	26749.390
Tl	205	1	He	40.519513	2.0	2131476.637
Pb	206	1	He	82.643607	1.1	1476151.750
Pb	207	1	He	85.656942	1.2	1278363.760
Pb	208	1	He	82.938803	0.8	5843582.443
Bi	209	1	He	85.314476	0.4	4730363.157
Th	232	1	He	79.948409	1.8	6361493.030
U	238	1	He	77.971780	1.8	6346029.077

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.15169279	1007795.793
Sc	45	2	H2	91.45743058	6129634.000
Ge	72	1	He	92.13286635	623869.833
Ge	72	2	H2	91.32301993	1656465.793
In	115	1	He	92.29363587	6727646.267
Tb	159	1	He	95.76575447	15506601.020
Ir	193	1	He	95.49986135	7465436.140

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	066_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:08:15
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.081694	18.5	127.167
Be	9	2	H2	0.023014	35.2	21.000
B	11	2	H2	2.796997	7.5	4820.727
Na	23	1	He	21.777027	0.5	57933.310
Mg	24	1	He	-2.175735		1146.713
Al	27	1	He	0.176679	8.8	342.667
Si	28	2	H2	-0.054854		11847.960
K	39	1	He	7.502564	6.9	138284.157
Ca	43	1	He	5.464812	25.3	36.300
Ca	44	1	He	5.466736	26.4	615.873
Ti	47	1	He	-0.000963		2.667
V	51	1	He	0.008371	498.4	-1622.723
Cr	52	1	He	0.003837	106.7	606.010
Mn	55	1	He	-0.066128		198.667
Fe	56	1	He	-0.111810		15374.543
Co	59	1	He	0.000951	77.9	121.333
Ni	60	1	He	-0.099752		341.337
Cu	63	1	He	0.028958	16.1	695.350
Zn	66	1	He	0.002377	567.7	227.333
As	75	1	He	-0.000306		264.167
Se	78	2	H2	0.004476	64.9	22.000
Sr	88	1	He	0.028819	16.3	780.027
Mo	95	1	He	0.025798	18.1	236.670
Pd	105	1	He	0.006635	37.9	116.667
Ag	107	1	He	0.234763	17.5	6644.680
Cd	111	1	He	0.005012	109.3	26.597
Sn	118	1	He	0.016291	15.0	371.677
Sb	121	1	He	0.006319	70.2	195.000
Ba	138	1	He	0.009031	27.9	518.350
Pt	195	1	He	0.008576	84.3	220.007
Hg	202	1	He	0.028142	32.9	290.010
Tl	205	1	He	0.044622	30.2	3198.693
Pb	206	1	He	0.005216	42.5	193.337
Pb	207	1	He	0.012787	44.4	1185.060
Pb	208	1	He	0.007208	34.3	1821.740
Bi	209	1	He	0.005244	58.9	1923.493
Th	232	1	He	0.007569	4.6	670.020
U	238	1	He	0.003731	30.8	398.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.67252454	1035364.290
Sc	45	2	H2	94.87601904	6358753.667
Ge	72	1	He	93.30596885	631813.397
Ge	72	2	H2	94.22587730	1709119.373
In	115	1	He	95.63600037	6971284.367
Tb	159	1	He	98.83893566	16004217.260
Ir	193	1	He	97.23254739	7600884.053

Sample Name	4323172_B70212Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	067SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:11:50
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	23.073502	2.3	16278.847
Be	9	2	H2	21.276143	1.7	12761.653
B	11	2	H2	24.617665	4.3	18232.570
Na	23	1	He	23444.49491	2.9	41807291.043
Mg	24	1	He	4191.791186	3.4	4153322.750
Al	27	1	He	456.651497	3.2	245121.763
Si	28	2	H2	495.671029	4.3	2031677.917
K	39	1	He	8931.350018	2.8	13291791.050
Ca	43	1	He	149431.2838	3.3	676657.290
Ca	44	1	He	149529.2621	2.5	11340125.817
Ti	47	1	He	21.195728	4.3	10305.603
V	51	1	He	23.380520	4.2	267249.687
Cr	52	1	He	22.389973	3.1	308343.657
Mn	55	1	He	52.092707	3.9	541856.497
Fe	56	1	He	443.376810	2.7	5589043.167
Co	59	1	He	22.829077	2.9	449576.217
Ni	60	1	He	22.351434	2.5	108538.717
Cu	63	1	He	22.792759	2.2	283405.543
Zn	66	1	He	22.099156	3.2	56769.383
As	75	1	He	22.867890	3.0	48200.080
Se	78	2	H2	23.360119	0.5	24234.803
Sr	88	1	He	737.316560	2.8	13055511.057
Mo	95	1	He	256.536699	2.4	1990762.000
Pd	105	1	He	4.188527	3.0	47382.020
Ag	107	1	He	9.430156	5.6	213200.120
Cd	111	1	He	21.353720	4.1	91540.533
Sn	118	1	He	21.746852	3.1	244946.423
Sb	121	1	He	21.249044	3.9	312112.523
Ba	138	1	He	29.566512	3.5	1106828.450
Pt	195	1	He	4.253062	3.1	59325.947
Hg	202	1	He	0.062010	19.8	510.020
Tl	205	1	He	21.918107	3.1	1116289.203
Pb	206	1	He	21.767127	3.5	376323.067
Pb	207	1	He	21.830933	3.8	315984.877
Pb	208	1	He	21.661674	3.2	1477909.467
Bi	209	1	He	22.154309	3.0	1189896.807
Th	232	1	He	22.441970	3.8	1694217.840
U	238	1	He	22.361637	4.0	1726545.080

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.03113035	984604.750
Sc	45	2	H2	88.09185977	5904067.667
Ge	72	1	He	87.61286988	593263.063
Ge	72	2	H2	88.31370394	1601881.210
In	115	1	He	87.90092234	6407444.093
Tb	159	1	He	92.71152781	15012053.940
Ir	193	1	He	90.64008403	7085536.560

Sample Name	4323173_B70212Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	068SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:15:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	24.326069	3.0	16614.627
Be	9	2	H2	22.377093	3.6	12996.810
B	11	2	H2	25.656778	5.3	18286.007
Na	23	1	He	23691.43772	1.0	42752712.693
Mg	24	1	He	4263.984739	0.9	4275870.353
Al	27	1	He	465.852678	1.7	253038.773
Si	28	2	H2	520.629403	5.3	2065216.207
K	39	1	He	8956.972010	1.0	13488061.050
Ca	43	1	He	151634.3807	1.2	694886.040
Ca	44	1	He	151150.1886	1.2	11599435.667
Ti	47	1	He	21.003121	0.6	10336.280
V	51	1	He	23.860092	1.3	276055.413
Cr	52	1	He	22.929468	0.8	319542.717
Mn	55	1	He	53.094880	1.8	558958.710
Fe	56	1	He	451.073639	0.9	5753809.167
Co	59	1	He	23.436388	1.1	462882.200
Ni	60	1	He	23.403449	0.6	113918.040
Cu	63	1	He	23.638698	1.2	294728.113
Zn	66	1	He	22.617150	1.4	58272.063
As	75	1	He	23.570097	1.4	49815.453
Se	78	2	H2	24.363875	1.4	24669.053
Sr	88	1	He	756.144610	1.2	13482811.467
Mo	95	1	He	261.515475	0.2	2035361.270
Pd	105	1	He	4.331726	4.1	49323.990
Ag	107	1	He	9.976525	5.3	227044.760
Cd	111	1	He	21.947188	2.1	94754.413
Sn	118	1	He	22.198796	1.6	251792.837
Sb	121	1	He	21.759675	2.3	321893.587
Ba	138	1	He	30.470332	2.6	1139509.513
Pt	195	1	He	4.422595	1.2	61634.463
Hg	202	1	He	0.071993	17.9	580.027
Tl	205	1	He	22.520246	3.4	1145569.750
Pb	206	1	He	22.397932	2.6	386838.927
Pb	207	1	He	22.394251	1.9	323820.087
Pb	208	1	He	22.347131	2.1	1523132.440
Bi	209	1	He	22.872403	2.4	1227152.457
Th	232	1	He	23.256778	1.2	1739615.340
U	238	1	He	23.107527	1.8	1767847.683

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.06382157	995898.540
Sc	45	2	H2	85.28946463	5716246.333
Ge	72	1	He	87.83253397	594750.500
Ge	72	2	H2	86.20558146	1563642.957
In	115	1	He	88.49086392	6450447.257
Tb	159	1	He	92.60142608	14994226.027
Ir	193	1	He	89.75957891	7016705.520

Sample Name	10608163001_B70212Dx50
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	069SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:18:59
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.220128	5.7	232.167
Be	9	2	H2	0.013347	17.6	14.833
B	11	2	H2	2.864862	19.3	4880.733
Na	23	1	He	2125.949983	1.0	4024412.230
Mg	24	1	He	346.757944	1.0	366495.853
Al	27	1	He	2.983777	2.2	1936.107
Si	28	2	H2	36.688601	4.4	173482.287
K	39	1	He	779.081512	0.6	1342089.457
Ca	43	1	He	13493.51302	0.7	64622.023
Ca	44	1	He	13831.59678	1.0	1109274.503
Ti	47	1	He	0.026311	74.9	16.667
V	51	1	He	0.134059	8.3	-103.860
Cr	52	1	He	0.045819	15.8	1219.380
Mn	55	1	He	2.710492	1.0	30695.240
Fe	56	1	He	0.304939	4.1	20990.827
Co	59	1	He	0.001817	119.8	139.337
Ni	60	1	He	-0.090236		389.343
Cu	63	1	He	0.061414	3.9	1122.043
Zn	66	1	He	0.033181	35.8	310.670
As	75	1	He	0.045759	17.8	366.167
Se	78	2	H2	0.065961	19.6	90.000
Sr	88	1	He	63.431389	1.7	1225316.493
Mo	95	1	He	21.014838	0.3	173350.397
Pd	105	1	He	0.014459	12.4	213.340
Ag	107	1	He	0.125987	16.2	3987.173
Cd	111	1	He	0.003875	28.5	21.330
Sn	118	1	He	0.103222	2.2	1440.077
Sb	121	1	He	0.007221	33.8	210.000
Ba	138	1	He	0.753133	0.7	29841.453
Pt	195	1	He	0.002653	53.1	130.000
Hg	202	1	He	0.011978	5.5	166.670
Tl	205	1	He	0.001469	103.0	846.700
Pb	206	1	He	0.003789	25.0	165.000
Pb	207	1	He	0.007186	44.1	1085.047
Pb	208	1	He	0.005131	8.5	1650.057
Bi	209	1	He	-0.000052		1600.120
Th	232	1	He	0.007078	2.1	628.353
U	238	1	He	0.098386	2.5	8218.900

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.14883929	1040573.397
Sc	45	2	H2	95.06229199	6371238.000
Ge	72	1	He	93.07954546	630280.190
Ge	72	2	H2	94.22529382	1709108.790
In	115	1	He	95.84764336	6986711.857
Tb	159	1	He	97.58668301	15801449.763
Ir	193	1	He	96.93944185	7577971.343

Sample Name	4323885_B70212Dx50
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	070SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:22:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	95.868551	4.7	70267.520
Be	9	2	H2	95.144125	3.6	59418.927
B	11	2	H2	97.759286	3.5	66967.023
Na	23	1	He	4659.208065	1.3	8486770.080
Mg	24	1	He	2708.310408	0.7	2738335.063
Al	27	1	He	2300.463292	1.5	1258401.710
Si	28	2	H2	1211.371444	3.9	5151756.333
K	39	1	He	3164.008069	1.7	4881071.387
Ca	43	1	He	17548.00136	2.0	81049.527
Ca	44	1	He	17465.92980	2.0	1350930.673
Ti	47	1	He	91.648574	2.0	45444.393
V	51	1	He	96.429764	2.3	1129397.860
Cr	52	1	He	96.748622	1.7	1357044.167
Mn	55	1	He	100.139651	1.2	1061684.670
Fe	56	1	He	1182.094353	1.3	15169681.000
Co	59	1	He	98.487634	0.8	2022635.667
Ni	60	1	He	97.999431	0.7	493421.613
Cu	63	1	He	99.756192	0.9	1292503.373
Zn	66	1	He	95.653061	0.5	255617.933
As	75	1	He	94.070959	0.5	206000.500
Se	78	2	H2	94.959126	0.8	101752.210
Sr	88	1	He	161.170790	0.6	2976818.500
Mo	95	1	He	121.339514	1.4	982105.767
Pd	105	1	He	94.742861	1.4	1116900.843
Ag	107	1	He	43.794581	2.7	1029760.893
Cd	111	1	He	94.172858	0.4	421153.447
Sn	118	1	He	93.555712	1.2	1098672.613
Sb	121	1	He	90.321173	1.1	1383819.147
Ba	138	1	He	93.913411	1.2	3628029.010
Pt	195	1	He	95.525453	1.6	1373261.853
Hg	202	1	He	0.015190	22.4	186.673
Tl	205	1	He	48.151344	1.6	2529849.860
Pb	206	1	He	97.163077	1.7	1733342.683
Pb	207	1	He	98.292752	2.1	1464977.370
Pb	208	1	He	96.935563	1.6	6821022.187
Bi	209	1	He	95.642569	1.5	5296107.840
Th	232	1	He	90.922658	2.3	7170888.017
U	238	1	He	93.887350	1.5	7574530.930

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.77625582	1003689.913
Sc	45	2	H2	91.74513335	6148916.333
Ge	72	1	He	91.34560495	618538.960
Ge	72	2	H2	91.26930353	1655491.457
In	115	1	He	91.65104528	6680805.310
Tb	159	1	He	95.64958242	15487790.187
Ir	193	1	He	94.65263744	7399206.767

Sample Name	4323886_B70212Dx250
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	071SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:26:08
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.100826	8.7	141.833
Be	9	2	H2	0.025060	30.8	22.333
B	11	2	H2	2.852268	19.2	4867.390
Na	23	1	He	450.570267	0.4	858931.577
Mg	24	1	He	72.856972	2.6	79020.683
Al	27	1	He	1.638289	3.0	1163.040
Si	28	2	H2	7.633667	7.3	45637.120
K	39	1	He	169.861205	0.9	388744.863
Ca	43	1	He	2800.800749	0.5	13305.167
Ca	44	1	He	2881.550541	0.5	229238.633
Ti	47	1	He	0.030478	48.8	18.667
V	51	1	He	0.036388	156.6	-1280.117
Cr	52	1	He	0.040229	5.9	1128.040
Mn	55	1	He	0.529020	0.9	6677.920
Fe	56	1	He	0.249459	6.7	20077.807
Co	59	1	He	0.001248	83.5	126.667
Ni	60	1	He	-0.067898		501.343
Cu	63	1	He	0.032103	7.7	732.020
Zn	66	1	He	-0.007843		198.000
As	75	1	He	-0.000308		262.333
Se	78	2	H2	0.023229	45.8	42.667
Sr	88	1	He	13.195668	0.4	254389.423
Mo	95	1	He	4.356522	3.4	35798.363
Pd	105	1	He	0.008001	51.6	133.333
Ag	107	1	He	0.191540	11.3	5582.620
Cd	111	1	He	0.003803	139.4	20.923
Sn	118	1	He	0.114981	2.5	1580.093
Sb	121	1	He	0.006852	37.3	203.333
Ba	138	1	He	0.148312	8.3	6029.480
Pt	195	1	He	0.010069	34.4	240.007
Hg	202	1	He	0.004700	108.3	113.333
Tl	205	1	He	0.047576	25.4	3333.720
Pb	206	1	He	0.010413	4.0	286.677
Pb	207	1	He	0.010145	23.2	1135.053
Pb	208	1	He	0.008080	15.6	1870.077
Bi	209	1	He	0.007295	27.4	2023.510
Th	232	1	He	0.008245	1.8	716.690
U	238	1	He	0.024333	3.4	2081.827

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.32334821	1031545.603
Sc	45	2	H2	94.96063091	6364424.500
Ge	72	1	He	92.68751708	627625.603
Ge	72	2	H2	94.14309553	1707617.833
In	115	1	He	95.58332452	6967444.617
Tb	159	1	He	98.00006569	15868385.593
Ir	193	1	He	96.12660518	7514430.097

Sample Name	10608162001_B70212Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	072SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:29:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.310496	2.0	1047.530
Be	9	2	H2	0.015762	42.3	16.167
B	11	2	H2	8.854129	4.7	8842.267
Na	23	1	He	15395.59381	4.3	27700463.757
Mg	24	1	He	518.213324	4.3	520897.453
Al	27	1	He	7.923198	6.5	4517.557
Si	28	2	H2	541.725788	4.3	2367177.667
K	39	1	He	5406.449465	4.0	8164661.753
Ca	43	1	He	20516.12137	3.5	93750.247
Ca	44	1	He	20753.70153	4.3	1587780.393
Ti	47	1	He	0.075203	39.2	40.000
V	51	1	He	0.186346	19.9	503.090
Cr	52	1	He	0.633706	3.5	9319.083
Mn	55	1	He	4.178270	3.9	44668.190
Fe	56	1	He	8.970980	4.4	129924.157
Co	59	1	He	0.005376	30.8	206.000
Ni	60	1	He	0.072842	13.8	1175.373
Cu	63	1	He	0.149831	11.4	2194.140
Zn	66	1	He	1.082241	3.5	3038.267
As	75	1	He	0.084353	12.8	434.010
Se	78	2	H2	0.135292	8.3	166.333
Sr	88	1	He	95.042291	4.8	1767757.313
Mo	95	1	He	38.879373	4.9	307734.547
Pd	105	1	He	0.017927	28.7	246.677
Ag	107	1	He	0.072845	7.7	2590.223
Cd	111	1	He	0.015483	35.0	72.680
Sn	118	1	He	0.033265	2.2	560.020
Sb	121	1	He	0.021795	9.0	426.677
Ba	138	1	He	1.061567	3.5	40999.827
Pt	195	1	He	0.009346	9.1	223.343
Hg	202	1	He	0.021339	12.4	230.010
Tl	205	1	He	0.013106	33.2	1431.750
Pb	206	1	He	0.010882	12.5	286.677
Pb	207	1	He	0.010419	12.4	1108.383
Pb	208	1	He	0.010285	19.5	1971.743
Bi	209	1	He	0.005326	5.3	1860.143
Th	232	1	He	0.005369	22.4	473.347
U	238	1	He	0.126487	4.8	10190.063

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.87672853	993852.440
Sc	45	2	H2	93.99992241	6300036.167
Ge	72	1	He	89.44987501	605702.187
Ge	72	2	H2	94.05195660	1705964.707
In	115	1	He	92.41545794	6736526.357
Tb	159	1	He	95.35721978	15440450.187
Ir	193	1	He	93.82158241	7334241.350

Sample Name	10608162001_B70212Dx50
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	073SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:33:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.081877	30.2	127.167
Be	9	2	H2	0.010786	52.6	13.000
B	11	2	H2	3.267178	25.0	5114.140
Na	23	1	He	313.724542	0.9	600951.750
Mg	24	1	He	10.748886	6.1	14500.770
Al	27	1	He	1.289622	2.4	963.363
Si	28	2	H2	11.023198	5.9	60269.333
K	39	1	He	114.487500	2.1	302009.003
Ca	43	1	He	409.041584	1.8	1944.457
Ca	44	1	He	414.179350	1.1	32978.980
Ti	47	1	He	0.013537	50.4	10.000
V	51	1	He	-0.008121		-1809.640
Cr	52	1	He	0.016226	37.6	779.353
Mn	55	1	He	0.019976	10.2	1131.373
Fe	56	1	He	0.211629	14.4	19504.520
Co	59	1	He	-0.002641		45.333
Ni	60	1	He	-0.103179		319.337
Cu	63	1	He	0.027164	29.8	662.680
Zn	66	1	He	0.167831	15.5	669.350
As	75	1	He	-0.009733		239.833
Se	78	2	H2	0.005555	16.1	23.000
Sr	88	1	He	1.845578	1.5	35537.643
Mo	95	1	He	0.736348	5.2	6027.767
Pd	105	1	He	0.003965	51.3	83.333
Ag	107	1	He	0.010300	49.3	1135.050
Cd	111	1	He	0.001082	97.2	8.190
Sn	118	1	He	0.098874	5.1	1373.400
Sb	121	1	He	0.001784	103.1	121.667
Ba	138	1	He	0.021725	28.9	1013.373
Pt	195	1	He	0.003555	97.5	143.337
Hg	202	1	He	0.008364	98.6	140.003
Tl	205	1	He	-0.004472		528.347
Pb	206	1	He	0.003314	106.7	156.667
Pb	207	1	He	0.001084	123.0	993.377
Pb	208	1	He	0.002486	17.7	1461.720
Bi	209	1	He	0.003986	32.8	1830.143
Th	232	1	He	0.001690	28.7	191.667
U	238	1	He	0.002964	34.4	331.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.96908940	1027671.333
Sc	45	2	H2	94.55887556	6337498.167
Ge	72	1	He	92.04455394	623271.833
Ge	72	2	H2	93.59471901	1697671.087
In	115	1	He	94.95442524	6921601.673
Tb	159	1	He	97.68402400	15817211.430
Ir	193	1	He	96.31483006	7529144.053

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	074_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:36:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.541200	5.1	60012.863
Be	9	2	H2	82.028254	3.7	50807.167
B	11	2	H2	83.458410	1.6	57094.070
Na	23	1	He	2055.767761	0.5	3737975.257
Mg	24	1	He	2043.366213	0.7	2058018.980
Al	27	1	He	2017.006412	0.6	1098712.210
Si	28	2	H2	1025.393956	4.5	4326676.250
K	39	1	He	2026.014831	0.7	3156296.310
Ca	43	1	He	2024.743827	1.0	9321.160
Ca	44	1	He	1996.712920	1.2	153941.290
Ti	47	1	He	77.672734	1.3	38351.500
V	51	1	He	81.922477	0.7	955227.493
Cr	52	1	He	83.329203	1.1	1163954.337
Mn	55	1	He	83.949033	1.1	886388.627
Fe	56	1	He	1041.279076	0.7	13307942.333
Co	59	1	He	83.545565	1.3	1707489.960
Ni	60	1	He	84.563887	0.3	423852.847
Cu	63	1	He	86.169089	0.3	1111196.333
Zn	66	1	He	81.792866	0.5	217548.493
As	75	1	He	79.101140	0.5	172424.413
Se	78	2	H2	80.149159	1.3	85102.007
Sr	88	1	He	76.726761	0.5	1417334.510
Mo	95	1	He	82.861463	1.0	667451.267
Pd	105	1	He	80.175909	1.0	945196.160
Ag	107	1	He	40.410662	3.6	950208.527
Cd	111	1	He	79.171090	0.3	354074.177
Sn	118	1	He	79.419891	1.8	932683.393
Sb	121	1	He	75.734555	1.7	1160330.867
Ba	138	1	He	80.022497	0.5	3059782.350
Pt	195	1	He	80.920434	1.5	1151435.480
Hg	202	1	He	3.618094	3.6	26038.217
Tl	205	1	He	40.489190	0.5	2105548.563
Pb	206	1	He	83.210459	1.5	1469278.623
Pb	207	1	He	86.435427	0.7	1275208.863
Pb	208	1	He	84.168187	0.9	5862191.713
Bi	209	1	He	85.813043	0.2	4703294.200
Th	232	1	He	79.853351	0.9	6288478.240
U	238	1	He	77.514678	0.5	6243888.867

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.38342353	999393.793
Sc	45	2	H2	91.00215527	6099120.667
Ge	72	1	He	90.90682366	615567.790
Ge	72	2	H2	90.44525223	1640544.373
In	115	1	He	91.65441478	6681050.927
Tb	159	1	He	94.66344263	15328112.270
Ir	193	1	He	94.49544439	7386918.637

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	075_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:40:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.062608	26.9	112.000
Be	9	2	H2	0.019707	33.9	18.667
B	11	2	H2	2.498292	28.4	4590.650
Na	23	1	He	11.679002	3.4	38357.877
Mg	24	1	He	-2.423970		873.360
Al	27	1	He	0.236648	16.9	370.337
Si	28	2	H2	-0.194803		11153.487
K	39	1	He	6.676231	20.9	134765.120
Ca	43	1	He	0.481724	175.1	12.343
Ca	44	1	He	0.341445	124.2	203.480
Ti	47	1	He	0.004452	104.1	5.333
V	51	1	He	-0.019436		-1929.720
Cr	52	1	He	0.000291	1401.5	545.343
Mn	55	1	He	-0.062373		236.000
Fe	56	1	He	-0.139467		14762.707
Co	59	1	He	0.001891	60.5	139.333
Ni	60	1	He	-0.116550		252.000
Cu	63	1	He	0.024912	7.9	634.010
Zn	66	1	He	0.000720	2137.6	220.000
As	75	1	He	-0.000205		261.167
Se	78	2	H2	0.011591	26.2	29.667
Sr	88	1	He	0.004191	61.3	303.340
Mo	95	1	He	0.012071	12.5	121.667
Pd	105	1	He	0.010768	71.5	166.670
Ag	107	1	He	0.197970	14.4	5702.667
Cd	111	1	He	0.007222	52.0	36.630
Sn	118	1	He	0.015976	11.4	365.010
Sb	121	1	He	0.007045	58.7	205.000
Ba	138	1	He	0.009647	13.6	535.013
Pt	195	1	He	0.006765	43.8	190.007
Hg	202	1	He	0.028303	47.5	286.680
Tl	205	1	He	0.045542	18.4	3202.027
Pb	206	1	He	0.007658	56.9	235.007
Pb	207	1	He	0.014818	34.8	1198.393
Pb	208	1	He	0.009137	10.6	1933.410
Bi	209	1	He	0.005042	35.9	1883.480
Th	232	1	He	0.009005	7.6	783.360
U	238	1	He	0.004899	12.9	493.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.12810735	1018474.127
Sc	45	2	H2	94.22453866	6315090.333
Ge	72	1	He	92.16668499	624098.833
Ge	72	2	H2	93.76817550	1700817.333
In	115	1	He	94.89718010	6917428.850
Tb	159	1	He	97.36571013	15765669.350
Ir	193	1	He	96.83854019	7570083.637

Sample Name	CRDL
Sample Type	CRDL
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	076CRD.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:44:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.549126	9.5	474.510
Be	9	2	H2	0.213603	6.6	142.000
B	11	2	H2	12.998262	5.0	11590.473
Na	23	1	He	62.711752	0.8	131972.330
Mg	24	1	He	30.208708	3.4	34179.933
Al	27	1	He	31.237893	0.6	17504.900
Si	28	2	H2	103.584691	7.2	460560.270
K	39	1	He	112.279630	2.1	294729.517
Ca	43	1	He	97.628094	0.8	465.747
Ca	44	1	He	107.240868	3.6	8556.843
Ti	47	1	He	0.967814	6.4	488.010
V	51	1	He	0.856795	1.0	8467.677
Cr	52	1	He	2.081487	1.0	30035.470
Mn	55	1	He	0.477194	2.2	6011.683
Fe	56	1	He	53.231257	1.2	706136.543
Co	59	1	He	0.537106	0.8	11231.537
Ni	60	1	He	0.429009	1.5	3019.600
Cu	63	1	He	1.089966	0.9	14557.250
Zn	66	1	He	5.048345	2.0	13820.687
As	75	1	He	0.500013	2.1	1365.217
Se	78	2	H2	0.503764	1.2	570.010
Sr	88	1	He	0.477045	2.4	9290.873
Mo	95	1	He	0.512494	6.6	4208.887
Pd	105	1	He	0.484168	3.4	5911.120
Ag	107	1	He	0.504686	4.8	13081.717
Cd	111	1	He	0.076538	28.8	355.413
Sn	118	1	He	0.472580	3.8	5882.723
Sb	121	1	He	0.500031	4.9	7976.943
Ba	138	1	He	0.308277	1.4	12299.590
Pt	195	1	He	0.479880	5.5	7125.063
Hg	202	1	He	0.136399	10.6	1086.730
Tl	205	1	He	0.094361	4.1	5821.113
Pb	206	1	He	0.516444	2.9	9491.223
Pb	207	1	He	0.516667	2.5	8822.517
Pb	208	1	He	0.508593	0.6	37770.690
Bi	209	1	He	0.508282	4.0	30292.370
Th	232	1	He	0.489148	1.2	39604.980
U	238	1	He	0.478028	1.7	39620.090

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.75072396	1014346.960
Sc	45	2	H2	93.63748765	6275745.167
Ge	72	1	He	92.18309613	624209.960
Ge	72	2	H2	93.51972214	1696310.753
In	115	1	He	94.34583172	6877238.897
Tb	159	1	He	97.53402399	15792923.100
Ir	193	1	He	97.02415068	7584593.220

Sample Name	4310637_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	077SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:47:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.037922	24.5	93.167
Be	9	2	H2	0.011329	19.2	13.333
B	11	2	H2	5.163907	16.4	6384.563
Na	23	1	He	13.729709	9.9	40849.807
Mg	24	1	He	0.381478	84.4	3630.393
Al	27	1	He	5.539906	8.3	3209.947
Si	28	2	H2	4.003469	8.5	29420.073
K	39	1	He	9.080172	80.6	134091.703
Ca	43	1	He	11.794392	6.7	63.407
Ca	44	1	He	10.987602	6.9	1007.293
Ti	47	1	He	0.042734	29.1	24.000
V	51	1	He	-0.030353		-1995.950
Cr	52	1	He	0.105294	6.3	1978.117
Mn	55	1	He	-0.032217		543.343
Fe	56	1	He	1.307680	12.6	32553.880
Co	59	1	He	-0.000022		94.667
Ni	60	1	He	-0.110513		272.000
Cu	63	1	He	0.064270	16.5	1098.703
Zn	66	1	He	0.693480	9.1	1998.783
As	75	1	He	-0.002674		245.167
Se	78	2	H2	0.003524	125.4	20.667
Sr	88	1	He	0.020280	35.2	588.350
Mo	95	1	He	0.005044	8.6	61.667
Pd	105	1	He	0.003326	52.7	73.333
Ag	107	1	He	0.031828	31.0	1596.757
Cd	111	1	He	0.003028	18.1	16.647
Sn	118	1	He	0.029230	22.1	506.680
Sb	121	1	He	0.005599	32.5	176.667
Ba	138	1	He	0.019076	4.9	873.363
Pt	195	1	He	0.008230	52.6	203.340
Hg	202	1	He	0.014801	53.4	180.007
Tl	205	1	He	0.001753	111.9	826.697
Pb	206	1	He	0.010847	36.8	280.007
Pb	207	1	He	0.007891	90.0	1051.717
Pb	208	1	He	0.008430	42.2	1808.400
Bi	209	1	He	0.004884	51.4	1806.807
Th	232	1	He	0.002199	6.7	230.000
U	238	1	He	0.001254	20.0	188.337

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.48744834	989595.167
Sc	45	2	H2	94.10807143	6307284.500
Ge	72	1	He	88.57698108	599791.460
Ge	72	2	H2	93.21078484	1690707.083
In	115	1	He	91.88656478	6697973.253
Tb	159	1	He	93.99815401	15220387.277
Ir	193	1	He	95.02626493	7428414.057

Sample Name	4310638_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	078SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:51:15
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	108.770799	5.6	78787.307
Be	9	2	H2	109.541624	4.5	67609.143
B	11	2	H2	115.230789	5.5	77504.417
Na	23	1	He	2195.310751	0.3	3947553.900
Mg	24	1	He	2171.655438	0.8	2163424.967
Al	27	1	He	2142.016060	0.1	1154222.917
Si	28	2	H2	549.666075	5.8	2316668.167
K	39	1	He	2176.273922	0.2	3344869.013
Ca	43	1	He	2153.409818	1.5	9806.393
Ca	44	1	He	2109.012210	0.5	160840.397
Ti	47	1	He	100.055741	0.7	48869.850
V	51	1	He	106.738129	1.0	1231647.013
Cr	52	1	He	109.612747	0.8	1514431.210
Mn	55	1	He	109.665153	0.3	1145183.330
Fe	56	1	He	2211.169986	0.9	27936992.667
Co	59	1	He	111.342549	0.3	2268553.000
Ni	60	1	He	112.217518	0.4	560417.127
Cu	63	1	He	111.311101	0.9	1430730.003
Zn	66	1	He	108.700868	0.2	288138.533
As	75	1	He	102.899118	0.6	223515.483
Se	78	2	H2	105.971260	0.8	112358.757
Sr	88	1	He	102.152309	0.4	1860707.523
Mo	95	1	He	106.713433	0.4	856914.310
Pd	105	1	He	20.913979	1.4	243155.617
Ag	107	1	He	52.287520	3.3	1212145.997
Cd	111	1	He	105.976926	1.5	467363.723
Sn	118	1	He	101.065083	1.1	1170365.140
Sb	121	1	He	98.801740	0.5	1492720.913
Ba	138	1	He	104.296769	0.9	4000705.987
Pt	195	1	He	21.109960	1.0	301415.753
Hg	202	1	He	0.015379	36.4	186.673
Tl	205	1	He	110.280391	0.4	5752171.997
Pb	206	1	He	110.669164	0.7	1960361.583
Pb	207	1	He	110.571989	0.7	1636293.360
Pb	208	1	He	110.259746	0.6	7703804.153
Bi	209	1	He	110.783819	0.9	6091049.280
Th	232	1	He	108.322524	1.9	8543089.870
U	238	1	He	103.358933	2.3	8337645.500

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.39659225	988601.540
Sc	45	2	H2	90.65878149	6076107.167
Ge	72	1	He	90.61919346	613620.127
Ge	72	2	H2	90.31069543	1638103.710
In	115	1	He	90.38140946	6588256.560
Tb	159	1	He	94.97205279	15378083.103
Ir	193	1	He	94.65334895	7399262.387

Sample Name	10606561001_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	079SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:54:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.064451	32.6	114.833
Be	9	2	H2	0.023822	31.5	21.667
B	11	2	H2	4.190235	6.5	5791.027
Na	23	1	He	75.677255	1.0	156952.803
Mg	24	1	He	1.976362	9.1	5400.837
Al	27	1	He	9.592252	1.5	5581.510
Si	28	2	H2	8.904937	5.4	51385.150
K	39	1	He	9.226216	6.5	139125.600
Ca	43	1	He	23.673465	6.8	121.437
Ca	44	1	He	27.559923	4.2	2347.390
Ti	47	1	He	0.110032	17.6	58.667
V	51	1	He	-0.009588		-1817.990
Cr	52	1	He	0.462787	1.0	7150.093
Mn	55	1	He	0.165165	3.6	2690.880
Fe	56	1	He	6.662931	1.0	103600.790
Co	59	1	He	0.012264	12.7	352.003
Ni	60	1	He	-0.007886		798.687
Cu	63	1	He	0.072661	7.5	1251.380
Zn	66	1	He	1.810338	1.0	5065.397
As	75	1	He	-0.003390		252.667
Se	78	2	H2	0.004251	127.4	21.667
Sr	88	1	He	0.145180	3.9	2986.953
Mo	95	1	He	0.032165	37.6	283.337
Pd	105	1	He	0.001532	111.4	53.333
Ag	107	1	He	0.219843	23.8	6206.207
Cd	111	1	He	0.005077	48.9	26.580
Sn	118	1	He	0.072951	8.3	1053.380
Sb	121	1	He	0.016691	25.5	356.677
Ba	138	1	He	0.135139	3.2	5479.267
Pt	195	1	He	0.011522	35.5	260.010
Hg	202	1	He	0.007061	102.8	130.003
Tl	205	1	He	0.021125	37.2	1898.467
Pb	206	1	He	0.039717	5.0	818.363
Pb	207	1	He	0.041687	6.2	1608.427
Pb	208	1	He	0.040601	7.4	4193.573
Bi	209	1	He	0.008982	57.2	2110.190
Th	232	1	He	0.013295	7.5	1140.057
U	238	1	He	0.004668	12.4	478.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.44058409	1021891.457
Sc	45	2	H2	95.28964368	6386475.500
Ge	72	1	He	91.63366933	620489.563
Ge	72	2	H2	93.91387599	1703460.127
In	115	1	He	94.51515856	6889581.797
Tb	159	1	He	97.51391402	15789666.850
Ir	193	1	He	97.70700195	7637973.220

Sample Name	4312121_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	080SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 14:58:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	83.379327	6.1	61404.173
Be	9	2	H2	83.334664	5.2	52286.730
B	11	2	H2	84.257246	6.6	58391.737
Na	23	1	He	2156.892313	0.7	3955826.507
Mg	24	1	He	2066.644579	1.2	2099887.157
Al	27	1	He	2058.809696	0.3	1131450.583
Si	28	2	H2	1050.006551	5.9	4487376.417
K	39	1	He	2073.609607	0.4	3256244.223
Ca	43	1	He	2116.256847	1.2	9828.403
Ca	44	1	He	2066.198063	1.2	160709.543
Ti	47	1	He	77.483212	0.4	38597.997
V	51	1	He	84.340651	0.0	992218.080
Cr	52	1	He	86.033214	0.3	1212405.290
Mn	55	1	He	85.182930	0.5	907407.000
Fe	56	1	He	1065.205943	0.6	13734273.333
Co	59	1	He	85.770708	0.8	1776634.333
Ni	60	1	He	86.347957	0.5	438623.623
Cu	63	1	He	87.403181	0.1	1142275.750
Zn	66	1	He	84.556982	0.3	227925.547
As	75	1	He	80.769500	0.2	178431.650
Se	78	2	H2	81.171924	1.8	87792.273
Sr	88	1	He	79.537622	0.4	1480548.000
Mo	95	1	He	81.922371	0.5	668801.763
Pd	105	1	He	81.256337	1.1	965326.707
Ag	107	1	He	42.048700	2.5	996357.120
Cd	111	1	He	82.149009	0.6	370222.167
Sn	118	1	He	78.487863	0.9	928874.593
Sb	121	1	He	76.544587	1.5	1181822.927
Ba	138	1	He	81.520747	1.3	3166161.310
Pt	195	1	He	81.010764	0.4	1170996.990
Hg	202	1	He	0.010929	17.4	156.667
Tl	205	1	He	42.326114	0.7	2235797.833
Pb	206	1	He	84.762279	0.5	1520327.840
Pb	207	1	He	85.538208	0.6	1282000.993
Pb	208	1	He	84.401310	0.2	5971436.807
Bi	209	1	He	84.627889	1.3	4711512.323
Th	232	1	He	79.595280	1.2	6331021.367
U	238	1	He	80.429317	1.8	6543176.570

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.19424051	1008261.107
Sc	45	2	H2	92.16339828	6176949.167
Ge	72	1	He	92.13158942	623861.187
Ge	72	2	H2	92.13235321	1671145.913
In	115	1	He	92.36015905	6732495.403
Tb	159	1	He	96.16282532	15570895.603
Ir	193	1	He	95.45392913	7461845.517

Sample Name	4312122_B69998Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	081SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:02:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.053125	60.8	106.333
Be	9	2	H2	0.022104	53.3	20.500
B	11	2	H2	2.692258	38.9	4780.717
Na	23	1	He	25.423004	1.1	64138.330
Mg	24	1	He	2.560761	6.3	6021.027
Al	27	1	He	3.460231	5.7	2173.797
Si	28	2	H2	2.101679	11.2	21397.077
K	39	1	He	7.071316	33.1	136260.740
Ca	43	1	He	259.102281	1.5	1232.617
Ca	44	1	He	270.337863	2.0	21534.843
Ti	47	1	He	0.034675	53.9	20.667
V	51	1	He	-0.012775		-1864.893
Cr	52	1	He	0.100214	4.5	1980.117
Mn	55	1	He	0.077679	13.8	1752.760
Fe	56	1	He	1.956457	1.1	42309.243
Co	59	1	He	0.004976	25.4	204.667
Ni	60	1	He	-0.092237		378.003
Cu	63	1	He	0.712286	1.6	9687.967
Zn	66	1	He	1.064480	3.3	3108.283
As	75	1	He	-0.001116		261.000
Se	78	2	H2	0.004959	109.8	22.667
Sr	88	1	He	0.862906	4.2	16768.130
Mo	95	1	He	0.016013	14.7	155.000
Pd	105	1	He	0.005310	25.6	100.000
Ag	107	1	He	0.202714	18.1	5827.723
Cd	111	1	He	0.006871	69.5	34.953
Sn	118	1	He	0.024783	2.6	473.343
Sb	121	1	He	0.008906	35.5	235.003
Ba	138	1	He	0.455511	1.7	18179.890
Pt	195	1	He	0.009859	14.1	236.677
Hg	202	1	He	0.010582	46.7	156.670
Tl	205	1	He	0.045429	26.6	3215.370
Pb	206	1	He	0.046554	4.0	946.703
Pb	207	1	He	0.036389	17.8	1535.090
Pb	208	1	He	0.043181	7.5	4398.597
Bi	209	1	He	0.008002	31.3	2063.517
Th	232	1	He	0.008488	11.7	750.027
U	238	1	He	0.004253	9.4	445.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.74916950	1025266.230
Sc	45	2	H2	95.27086369	6385216.833
Ge	72	1	He	92.82993292	628589.960
Ge	72	2	H2	94.88431893	1721062.540
In	115	1	He	95.14872902	6935765.240
Tb	159	1	He	97.95579033	15861216.430
Ir	193	1	He	97.97041343	7658564.680

Sample Name	4310639_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	082SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:05:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	105.263939	6.0	77072.687
Be	9	2	H2	105.461213	5.6	65801.873
B	11	2	H2	108.733739	5.7	74100.463
Na	23	1	He	2219.280453	1.6	4097406.710
Mg	24	1	He	2131.997157	1.0	2180968.823
Al	27	1	He	2097.156642	1.1	1160342.540
Si	28	2	H2	542.651060	6.1	2311761.083
K	39	1	He	2143.779939	1.5	3385082.343
Ca	43	1	He	2144.408687	1.3	10026.780
Ca	44	1	He	2124.986222	0.5	166412.777
Ti	47	1	He	98.501040	1.9	49397.270
V	51	1	He	105.135612	0.9	1245694.590
Cr	52	1	He	108.728168	1.8	1542442.207
Mn	55	1	He	108.175232	0.9	1159929.290
Fe	56	1	He	2170.761590	1.4	28161572.000
Co	59	1	He	110.452526	1.0	2300566.167
Ni	60	1	He	111.031117	0.8	566860.250
Cu	63	1	He	109.409812	0.8	1437677.543
Zn	66	1	He	110.779543	0.1	300192.303
As	75	1	He	102.041802	0.9	226598.503
Se	78	2	H2	101.707400	1.1	109254.647
Sr	88	1	He	101.883694	0.9	1883791.380
Mo	95	1	He	105.476875	1.2	865845.483
Pd	105	1	He	21.136429	1.6	249455.157
Ag	107	1	He	52.064502	2.6	1225357.663
Cd	111	1	He	104.193477	0.5	466446.150
Sn	118	1	He	100.191397	0.5	1177795.507
Sb	121	1	He	97.546659	1.4	1495941.177
Ba	138	1	He	104.330679	1.2	4015311.500
Pt	195	1	He	21.333195	2.2	305591.003
Hg	202	1	He	0.015304	26.9	186.673
Tl	205	1	He	109.118839	1.2	5710374.707
Pb	206	1	He	110.225224	0.6	1959030.907
Pb	207	1	He	110.022573	1.9	1633512.060
Pb	208	1	He	109.625759	1.5	7684781.863
Bi	209	1	He	109.597164	1.6	6045704.493
Th	232	1	He	107.546625	1.8	8477349.667
U	238	1	He	101.975769	0.8	8222229.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.82551119	1015164.853
Sc	45	2	H2	91.66452266	6143513.667
Ge	72	1	He	92.63960784	627301.190
Ge	72	2	H2	91.49453984	1659576.913
In	115	1	He	91.74566143	6687702.253
Tb	159	1	He	95.29044645	15429638.103
Ir	193	1	He	94.58871073	7394209.473

Sample Name	4310640_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	083SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:09:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	105.859008	6.6	78799.987
Be	9	2	H2	105.686410	5.9	67041.430
B	11	2	H2	101.493080	6.9	70520.210
Na	23	1	He	2251.565487	1.5	4139859.937
Mg	24	1	He	2155.452268	0.9	2195941.270
Al	27	1	He	2135.186477	1.3	1176571.293
Si	28	2	H2	539.154585	6.9	2335745.167
K	39	1	He	2176.630070	1.6	3421063.283
Ca	43	1	He	2195.103293	2.2	10221.597
Ca	44	1	He	2155.739797	2.0	168122.230
Ti	47	1	He	100.043610	0.9	49970.147
V	51	1	He	107.460198	2.1	1268066.133
Cr	52	1	He	109.787405	1.4	1551156.337
Mn	55	1	He	109.417065	0.8	1168470.377
Fe	56	1	He	2219.280253	1.3	28674035.333
Co	59	1	He	110.353149	0.6	2325867.750
Ni	60	1	He	111.864391	0.3	577917.187
Cu	63	1	He	110.316275	0.8	1466857.500
Zn	66	1	He	109.171819	0.4	299363.873
As	75	1	He	102.334779	0.8	229954.697
Se	78	2	H2	103.466823	1.2	112869.453
Sr	88	1	He	105.230823	1.4	1922379.033
Mo	95	1	He	107.330777	1.3	891556.757
Pd	105	1	He	21.804029	0.2	254254.990
Ag	107	1	He	53.021594	1.0	1232845.580
Cd	111	1	He	106.732181	0.6	472083.580
Sn	118	1	He	101.433395	0.4	1178112.170
Sb	121	1	He	100.012410	0.4	1515462.217
Ba	138	1	He	106.092995	1.9	4092778.690
Pt	195	1	He	21.618163	1.3	310426.923
Hg	202	1	He	0.009235	45.0	143.333
Tl	205	1	He	109.563136	1.4	5747245.957
Pb	206	1	He	111.061426	1.0	1978566.430
Pb	207	1	He	111.784874	1.4	1663712.267
Pb	208	1	He	110.640022	1.3	7774497.907
Bi	209	1	He	111.177709	0.8	6147694.700
Th	232	1	He	109.560688	1.2	8606636.333
U	238	1	He	104.871807	2.1	8426351.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.44633133	1011018.040
Sc	45	2	H2	93.17275022	6244597.667
Ge	72	1	He	93.74333734	634775.000
Ge	72	2	H2	92.91845840	1685404.710
In	115	1	He	90.64792976	6607684.273
Tb	159	1	He	95.51420361	15465869.353
Ir	193	1	He	94.26684396	7369048.433

Sample Name	10606563001_B69998Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	084SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:12:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.088223	14.9	122.000
Be	9	2	H2	0.048921	1.0	34.833
B	11	2	H2	4.133887	12.4	5287.503
Na	23	1	He	219.971330	0.7	401694.540
Mg	24	1	He	7.260407	4.5	10267.940
Al	27	1	He	38.111996	0.3	20334.453
Si	28	2	H2	26.915734	6.4	120181.777
K	39	1	He	15.516144	14.5	140878.807
Ca	43	1	He	40.884163	3.4	191.650
Ca	44	1	He	44.015809	2.1	3452.740
Ti	47	1	He	0.571246	9.2	276.000
V	51	1	He	0.038534	317.0	-1201.643
Cr	52	1	He	0.433839	4.0	6379.807
Mn	55	1	He	0.310126	5.2	4028.463
Fe	56	1	He	13.739158	0.6	185652.973
Co	59	1	He	0.012489	15.7	340.003
Ni	60	1	He	-0.005463		772.020
Cu	63	1	He	0.111339	2.0	1669.420
Zn	66	1	He	1.381654	3.6	3731.070
As	75	1	He	0.014922	67.5	279.000
Se	78	2	H2	0.015092	35.4	31.333
Sr	88	1	He	0.159014	4.5	3081.960
Mo	95	1	He	0.033373	6.8	280.007
Pd	105	1	He	0.002683	138.5	63.333
Ag	107	1	He	0.245747	13.2	6494.643
Cd	111	1	He	0.008431	35.6	39.917
Sn	118	1	He	0.045113	4.3	680.023
Sb	121	1	He	0.015483	7.6	320.010
Ba	138	1	He	0.260050	2.0	9751.257
Pt	195	1	He	0.013947	23.0	276.677
Hg	202	1	He	0.006417	108.0	116.667
Tl	205	1	He	0.030345	31.1	2251.853
Pb	206	1	He	0.091837	11.6	1653.437
Pb	207	1	He	0.078908	12.8	2038.490
Pb	208	1	He	0.090676	2.5	7295.710
Bi	209	1	He	0.010932	39.4	2083.510
Th	232	1	He	0.016006	2.0	1258.393
U	238	1	He	0.007835	16.5	688.357

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.52554938	968139.310
Sc	45	2	H2	87.59603044	5870836.333
Ge	72	1	He	87.24592587	590778.333
Ge	72	2	H2	87.76598404	1591946.373
In	115	1	He	89.67220780	6536560.060
Tb	159	1	He	91.42483474	14803709.777
Ir	193	1	He	90.40350707	7067042.813

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	085_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:16:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	80.217085	5.7	59463.513
Be	9	2	H2	80.308144	5.2	50713.800
B	11	2	H2	81.300899	6.0	56806.660
Na	23	1	He	2003.747340	1.0	3723686.613
Mg	24	1	He	1984.398178	0.9	2042557.783
Al	27	1	He	1960.979712	0.1	1091675.667
Si	28	2	H2	1006.748261	5.2	4331142.083
K	39	1	He	2002.202636	0.4	3189175.580
Ca	43	1	He	1979.088814	0.2	9311.600
Ca	44	1	He	1977.076710	0.3	155780.907
Ti	47	1	He	76.348763	0.2	38525.917
V	51	1	He	80.975300	1.2	964890.650
Cr	52	1	He	81.425563	0.5	1162374.163
Mn	55	1	He	82.810829	0.4	893602.853
Fe	56	1	He	1018.634342	0.9	13304506.333
Co	59	1	He	82.535092	1.0	1719682.960
Ni	60	1	He	82.929940	0.9	423747.510
Cu	63	1	He	85.069290	0.5	1118308.087
Zn	66	1	He	80.504003	0.3	218298.863
As	75	1	He	78.403136	0.6	174230.593
Se	78	2	H2	78.836129	0.7	85896.303
Sr	88	1	He	75.310913	0.1	1407854.877
Mo	95	1	He	81.122862	0.5	666212.597
Pd	105	1	He	78.960878	1.1	942072.953
Ag	107	1	He	40.020426	2.8	952421.183
Cd	111	1	He	79.093116	1.0	357969.040
Sn	118	1	He	78.394640	0.6	931717.953
Sb	121	1	He	75.122114	0.5	1164785.007
Ba	138	1	He	79.112568	0.6	3058296.307
Pt	195	1	He	79.279926	1.0	1140487.743
Hg	202	1	He	3.579725	0.4	26044.870
Tl	205	1	He	39.805137	1.1	2092745.803
Pb	206	1	He	80.847306	1.6	1443236.437
Pb	207	1	He	83.770895	1.5	1249511.803
Pb	208	1	He	81.457318	0.7	5735800.590
Bi	209	1	He	83.753781	0.6	4640981.283
Th	232	1	He	79.284366	0.0	6203869.490
U	238	1	He	77.121252	0.9	6172374.700

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.38960541	1021333.940
Sc	45	2	H2	92.75586047	6216657.000
Ge	72	1	He	92.67513660	627541.770
Ge	72	2	H2	92.79276836	1683124.877
In	115	1	He	92.75293760	6761126.577
Tb	159	1	He	95.70531906	15496815.187
Ir	193	1	He	93.89292063	7339818.017

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	086_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:19:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.067492	20.0	116.833
Be	9	2	H2	0.027795	11.3	24.167
B	11	2	H2	1.965688	33.6	4273.907
Na	23	1	He	6.964150	2.5	30196.257
Mg	24	1	He	-2.621402		683.353
Al	27	1	He	0.451970	12.2	498.677
Si	28	2	H2	-0.222689		11139.447
K	39	1	He	5.819478	25.0	135870.213
Ca	43	1	He	0.515571	40.7	12.717
Ca	44	1	He	0.595848	84.2	227.430
Ti	47	1	He	0.001654	236.8	4.000
V	51	1	He	-0.011026		-1862.120
Cr	52	1	He	-0.001546		528.677
Mn	55	1	He	-0.064282		219.333
Fe	56	1	He	-0.146605		14935.523
Co	59	1	He	0.002383	72.7	151.333
Ni	60	1	He	-0.121335		230.667
Cu	63	1	He	0.013545	30.3	491.343
Zn	66	1	He	0.030234	14.1	303.333
As	75	1	He	-0.014785		231.833
Se	78	2	H2	0.015354	26.2	34.333
Sr	88	1	He	0.002051	44.3	265.003
Mo	95	1	He	0.006252	44.8	75.000
Pd	105	1	He	0.006600	67.4	116.670
Ag	107	1	He	0.213317	15.5	6137.810
Cd	111	1	He	0.005367	57.3	28.310
Sn	118	1	He	0.012955	28.8	331.677
Sb	121	1	He	0.009813	52.5	251.670
Ba	138	1	He	0.004615	23.4	340.010
Pt	195	1	He	0.005966	48.2	180.003
Hg	202	1	He	0.023470	31.3	253.343
Tl	205	1	He	0.043380	27.2	3110.347
Pb	206	1	He	0.006473	23.3	215.000
Pb	207	1	He	0.005961	12.0	1073.380
Pb	208	1	He	0.006834	13.9	1783.393
Bi	209	1	He	0.005873	20.9	1946.817
Th	232	1	He	0.008783	7.0	778.363
U	238	1	He	0.003787	4.2	408.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.80910767	1036858.000
Sc	45	2	H2	95.18848741	6379695.833
Ge	72	1	He	93.31690010	631887.417
Ge	72	2	H2	95.10042661	1724982.417
In	115	1	He	95.89027128	6989819.173
Tb	159	1	He	98.20674417	15901851.427
Ir	193	1	He	98.49383036	7699481.343

Sample Name	4310659_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	087SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:23:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.072678	0.8	121.000
Be	9	2	H2	0.017605	33.7	17.667
B	11	2	H2	1.616242	34.7	4047.177
Na	23	1	He	8.043274	3.9	31206.250
Mg	24	1	He	0.859610	19.9	4183.837
Al	27	1	He	8.252276	3.8	4752.617
Si	28	2	H2	0.356735	50.1	13730.663
K	39	1	He	8.525755	28.6	135628.143
Ca	43	1	He	8.379837	20.3	48.523
Ca	44	1	He	8.943846	15.9	864.563
Ti	47	1	He	0.014137	103.1	10.000
V	51	1	He	-0.131087		-3203.523
Cr	52	1	He	0.038881	4.8	1080.037
Mn	55	1	He	-0.031617		558.010
Fe	56	1	He	0.242514	21.3	19447.780
Co	59	1	He	0.003628	21.0	170.667
Ni	60	1	He	-0.110583		275.333
Cu	63	1	He	0.258118	0.9	3591.040
Zn	66	1	He	0.495991	4.1	1516.740
As	75	1	He	0.012652	41.0	282.167
Se	78	2	H2	0.012087	24.8	30.667
Sr	88	1	He	0.017338	7.4	550.017
Mo	95	1	He	0.006388	53.3	73.333
Pd	105	1	He	0.008443	43.9	136.670
Ag	107	1	He	0.107742	22.4	3467.053
Cd	111	1	He	0.002616	76.6	14.980
Sn	118	1	He	1.505057	1.0	18323.223
Sb	121	1	He	0.002887	174.8	136.670
Ba	138	1	He	0.091568	8.9	3703.777
Pt	195	1	He	0.002863	165.6	130.003
Hg	202	1	He	0.017032	27.8	200.007
Tl	205	1	He	0.008164	40.7	1181.723
Pb	206	1	He	0.015058	26.2	363.343
Pb	207	1	He	0.020143	7.3	1260.063
Pb	208	1	He	0.017051	21.2	2461.770
Bi	209	1	He	0.004183	116.8	1803.470
Th	232	1	He	0.006003	0.8	540.013
U	238	1	He	0.001679	22.8	226.670

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.84770980	1004471.353
Sc	45	2	H2	95.43110529	6395956.500
Ge	72	1	He	89.87525683	608582.623
Ge	72	2	H2	95.14310040	1725756.457
In	115	1	He	94.14695422	6862741.933
Tb	159	1	He	95.88542614	15525978.520
Ir	193	1	He	96.67087624	7556976.973

Sample Name	4310660_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	088SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:27:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	58.874300	3.7	43972.027
Be	9	2	H2	59.529984	3.3	37866.897
B	11	2	H2	62.459474	4.8	44620.637
Na	23	1	He	1162.870434	0.8	2148265.853
Mg	24	1	He	1151.008955	1.6	1175324.750
Al	27	1	He	1134.444297	1.2	625844.187
Si	28	2	H2	301.027392	3.8	1312582.627
K	39	1	He	1154.493819	0.8	1874445.023
Ca	43	1	He	1158.718650	1.6	5405.837
Ca	44	1	He	1131.119714	2.7	88381.823
Ti	47	1	He	53.953284	1.3	26975.917
V	51	1	He	58.808227	1.9	693880.470
Cr	52	1	He	59.026334	1.2	835034.957
Mn	55	1	He	58.432172	1.0	625013.877
Fe	56	1	He	1175.775057	0.5	15213772.000
Co	59	1	He	59.819897	1.2	1245664.543
Ni	60	1	He	59.744842	0.9	305321.617
Cu	63	1	He	60.180076	0.9	790690.563
Zn	66	1	He	56.528367	0.6	153238.383
As	75	1	He	54.587649	0.6	121303.340
Se	78	2	H2	56.044329	0.8	61665.897
Sr	88	1	He	54.929785	2.1	1024284.853
Mo	95	1	He	57.492414	1.0	471813.990
Pd	105	1	He	11.470424	1.4	136527.513
Ag	107	1	He	28.836803	4.6	684720.527
Cd	111	1	He	55.693139	2.0	251417.647
Sn	118	1	He	55.600282	2.2	659164.573
Sb	121	1	He	53.364779	2.6	825337.253
Ba	138	1	He	55.849369	1.4	2180103.667
Pt	195	1	He	11.176157	2.0	162426.083
Hg	202	1	He	3.976645	1.7	29207.080
Tl	205	1	He	57.261872	1.1	3039620.787
Pb	206	1	He	57.474701	2.4	1036049.153
Pb	207	1	He	57.837389	2.8	871422.223
Pb	208	1	He	57.575647	1.9	4094166.500
Bi	209	1	He	58.216805	1.3	3257938.283
Th	232	1	He	56.097507	1.6	4537036.077
U	238	1	He	53.315679	1.2	4410618.477

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.52964950	1011929.230
Sc	45	2	H2	93.44975496	6263163.000
Ge	72	1	He	92.60489673	627066.147
Ge	72	2	H2	93.70556258	1699681.627
In	115	1	He	92.51573821	6743836.180
Tb	159	1	He	96.64021252	15648195.187
Ir	193	1	He	97.04598546	7586300.093

Sample Name	10606560001_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	089SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:30:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.456000	5.5	4152.960
Be	9	2	H2	0.206180	7.6	137.667
B	11	2	H2	2.569183	6.4	4617.330
Na	23	1	He	356.168405	0.7	665773.557
Mg	24	1	He	2897.157373	0.4	2936521.730
Al	27	1	He	5830.970722	0.3	3197616.000
Si	28	2	H2	896.847327	4.9	3905780.500
K	39	1	He	728.400660	0.9	1221456.757
Ca	43	1	He	6160.814364	0.0	28536.920
Ca	44	1	He	6391.867470	0.3	495804.650
Ti	47	1	He	934.455329	0.6	464536.480
V	51	1	He	44.619100	0.6	523071.573
Cr	52	1	He	9.676309	0.5	136564.890
Mn	55	1	He	298.457429	0.7	3170588.667
Fe	56	1	He	14446.49756	0.6	185695925.333
Co	59	1	He	5.854894	0.1	119945.403
Ni	60	1	He	10.881289	0.2	55349.787
Cu	63	1	He	9.564252	0.7	123788.027
Zn	66	1	He	55.467015	0.7	147827.163
As	75	1	He	2.069049	1.0	4769.137
Se	78	2	H2	0.174767	11.7	207.000
Sr	88	1	He	27.558904	1.4	507361.460
Mo	95	1	He	0.220075	9.8	1796.780
Pd	105	1	He	0.034044	6.3	433.350
Ag	107	1	He	0.319712	17.1	8335.447
Cd	111	1	He	0.144419	18.1	646.143
Sn	118	1	He	1.620003	5.1	19115.737
Sb	121	1	He	0.085508	5.2	1395.070
Ba	138	1	He	80.125236	0.6	3128750.683
Pt	195	1	He	0.001814	122.3	116.667
Hg	202	1	He	0.044960	5.6	406.680
Tl	205	1	He	0.078378	5.1	4920.823
Pb	206	1	He	6.537541	2.5	117970.273
Pb	207	1	He	6.631048	1.2	100793.443
Pb	208	1	He	6.565545	1.3	468151.617
Bi	209	1	He	0.086535	10.1	6431.423
Th	232	1	He	4.870870	1.3	389645.320
U	238	1	He	0.787116	0.9	64482.383

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.00939107	1006239.543
Sc	45	2	H2	93.87401048	6291597.333
Ge	72	1	He	91.04634153	616512.523
Ge	72	2	H2	92.73040812	1681993.753
In	115	1	He	91.32487205	6657029.260
Tb	159	1	He	96.67422061	15653701.850
Ir	193	1	He	95.96964938	7502160.513

Sample Name	10606560002_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	090SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:34:18
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.783783	3.1	4492.537
Be	9	2	H2	0.225053	10.1	153.167
B	11	2	H2	2.081117	47.3	4387.277
Na	23	1	He	328.287401	0.4	631685.273
Mg	24	1	He	2851.667966	0.3	2969141.203
Al	27	1	He	6119.110965	0.7	3446874.750
Si	28	2	H2	931.538874	5.2	4144817.917
K	39	1	He	862.072602	1.1	1461552.373
Ca	43	1	He	3006.227017	1.7	14309.067
Ca	44	1	He	3119.221215	1.1	248630.797
Ti	47	1	He	803.031553	0.5	410053.907
V	51	1	He	37.581238	1.2	452297.943
Cr	52	1	He	10.535283	1.3	152674.667
Mn	55	1	He	194.106721	0.7	2118476.833
Fe	56	1	He	13371.93557	0.7	176552250.667
Co	59	1	He	5.560849	1.0	116976.700
Ni	60	1	He	10.340587	2.1	54053.860
Cu	63	1	He	8.322975	1.3	110654.297
Zn	66	1	He	61.088074	2.2	167140.917
As	75	1	He	1.942426	1.9	4613.097
Se	78	2	H2	0.162541	6.0	198.333
Sr	88	1	He	23.462148	2.0	445410.643
Mo	95	1	He	0.190655	6.6	1603.427
Pd	105	1	He	0.036249	15.2	473.350
Ag	107	1	He	0.114684	2.6	3645.423
Cd	111	1	He	0.184832	14.6	852.880
Sn	118	1	He	1.278467	0.7	15592.173
Sb	121	1	He	0.055449	22.5	965.037
Ba	138	1	He	85.505375	1.5	3413314.117
Pt	195	1	He	0.004545	49.4	160.003
Hg	202	1	He	0.024630	21.7	263.343
Tl	205	1	He	0.084603	1.5	5369.290
Pb	206	1	He	5.569740	2.2	102758.743
Pb	207	1	He	5.709106	3.5	88853.883
Pb	208	1	He	5.595271	2.2	408067.940
Bi	209	1	He	0.041790	16.7	4017.280
Th	232	1	He	2.324623	3.5	190310.560
U	238	1	He	0.574314	3.6	48167.210

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.51005294	1033587.457
Sc	45	2	H2	95.91564972	6428431.500
Ge	72	1	He	93.48625171	633034.167
Ge	72	2	H2	94.97195942	1722652.210
In	115	1	He	94.16474193	6864038.550
Tb	159	1	He	98.83983115	16004362.260
Ir	193	1	He	98.21123585	7677390.303

Sample Name	10606560003_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	091SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:37:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.034933	3.9	4746.597
Be	9	2	H2	0.224701	10.1	155.167
B	11	2	H2	2.304942	19.5	4600.660
Na	23	1	He	253.908479	0.5	499378.340
Mg	24	1	He	2937.774741	0.5	3101767.663
Al	27	1	He	5812.589422	0.6	3320307.167
Si	28	2	H2	953.633556	3.4	4297312.917
K	39	1	He	871.214673	0.5	1496571.490
Ca	43	1	He	2857.569991	1.0	13792.317
Ca	44	1	He	2928.319237	1.1	236721.460
Ti	47	1	He	785.042099	0.3	406504.783
V	51	1	He	34.588599	2.0	422041.700
Cr	52	1	He	10.596829	1.3	155741.447
Mn	55	1	He	135.369301	0.7	1498577.337
Fe	56	1	He	12392.23673	0.3	165916954.667
Co	59	1	He	5.720599	1.9	121206.367
Ni	60	1	He	10.119843	2.9	53301.773
Cu	63	1	He	8.550537	1.9	114494.067
Zn	66	1	He	54.971116	1.6	151517.920
As	75	1	He	1.773689	1.1	4265.843
Se	78	2	H2	0.207676	4.9	252.667
Sr	88	1	He	20.985475	2.5	401781.530
Mo	95	1	He	0.193789	16.4	1641.763
Pd	105	1	He	0.024726	20.4	336.680
Ag	107	1	He	0.084925	3.8	2951.957
Cd	111	1	He	0.197055	2.9	916.207
Sn	118	1	He	1.260039	4.4	15498.770
Sb	121	1	He	0.047885	7.1	853.363
Ba	138	1	He	69.352477	1.5	2774196.623
Pt	195	1	He	0.002520	53.8	130.003
Hg	202	1	He	0.022308	34.0	246.677
Tl	205	1	He	0.117943	2.4	7193.347
Pb	206	1	He	4.010720	2.5	74177.700
Pb	207	1	He	3.997676	1.5	62647.300
Pb	208	1	He	4.008073	2.4	293279.673
Bi	209	1	He	0.042351	12.0	4053.937
Th	232	1	He	2.604155	1.9	213325.320
U	238	1	He	0.588157	0.8	49356.117

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.83769176	1048106.873
Sc	45	2	H2	97.13717668	6510300.333
Ge	72	1	He	94.14952376	637525.457
Ge	72	2	H2	96.45499448	1749552.293
In	115	1	He	94.95250231	6921461.503
Tb	159	1	He	99.03409370	16035817.677
Ir	193	1	He	98.26560035	7681640.097

Sample Name	4312117_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	092SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:41:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	94.997236	5.4	73093.293
Be	9	2	H2	88.494623	4.4	58015.910
B	11	2	H2	90.960865	5.5	65626.100
Na	23	1	He	2556.016270	4.7	4775776.073
Mg	24	1	He	5269.360535	5.5	5451468.043
Al	27	1	He	8132.438902	5.3	4554431.833
Si	28	2	H2	2052.582343	5.6	9154806.500
K	39	1	He	3181.899600	5.0	5026189.507
Ca	43	1	He	5265.533852	5.2	24911.303
Ca	44	1	He	5306.064311	4.9	420457.167
Ti	47	1	He	883.715553	4.9	448714.617
V	51	1	He	128.600958	6.1	1542488.297
Cr	52	1	He	104.667497	6.0	1502897.917
Mn	55	1	He	230.516205	4.7	2501777.000
Fe	56	1	He	13810.63063	5.0	181318330.667
Co	59	1	He	101.466221	4.6	2113911.917
Ni	60	1	He	106.031308	3.8	541610.750
Cu	63	1	He	105.129270	4.2	1381890.000
Zn	66	1	He	148.013182	4.3	401132.093
As	75	1	He	91.333652	3.6	202947.070
Se	78	2	H2	87.490209	1.5	99139.110
Sr	88	1	He	111.991838	4.1	2050096.690
Mo	95	1	He	92.732904	3.9	761539.860
Pd	105	1	He	91.128072	3.7	1064906.543
Ag	107	1	He	47.453083	5.7	1105502.403
Cd	111	1	He	91.251962	4.4	404418.537
Sn	118	1	He	92.540047	4.4	1076907.247
Sb	121	1	He	88.282026	4.7	1340209.773
Ba	138	1	He	163.690937	4.0	6339868.863
Pt	195	1	He	91.098847	4.2	1313008.887
Hg	202	1	He	0.019841	31.2	220.010
Tl	205	1	He	46.408200	4.0	2444439.393
Pb	206	1	He	97.137453	4.0	1737296.537
Pb	207	1	He	97.615153	4.1	1458602.060
Pb	208	1	He	97.071992	3.8	6848372.813
Bi	209	1	He	94.469882	4.1	5244420.757
Th	232	1	He	93.631046	4.2	7324151.143
U	238	1	He	91.076156	4.4	7286908.433

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.12418097	1029367.457
Sc	45	2	H2	96.30453363	6454495.167
Ge	72	1	He	92.75867700	628107.457
Ge	72	2	H2	96.51578347	1750654.917
In	115	1	He	90.92077917	6627573.340
Tb	159	1	He	95.98228077	15541661.433
Ir	193	1	He	93.96430413	7345398.223

Sample Name	4312118_B69995Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	093SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:45:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.266538	5.7	1016.360
Be	9	2	H2	0.072602	11.2	52.667
B	11	2	H2	1.314274	10.0	3783.777
Na	23	1	He	56.992467	1.1	121212.297
Mg	24	1	He	599.850978	0.8	614294.900
Al	27	1	He	1188.950976	0.4	656099.917
Si	28	2	H2	190.573534	5.5	841586.497
K	39	1	He	184.209401	0.8	403241.623
Ca	43	1	He	584.477654	1.7	2732.493
Ca	44	1	He	610.180490	1.5	47770.983
Ti	47	1	He	157.737779	0.5	78884.827
V	51	1	He	7.052233	2.0	81752.897
Cr	52	1	He	2.153045	1.4	30985.057
Mn	55	1	He	27.707228	0.2	296933.677
Fe	56	1	He	2525.008681	1.0	32662513.333
Co	59	1	He	1.145637	1.4	23861.760
Ni	60	1	He	2.000152	2.3	10998.047
Cu	63	1	He	1.788686	1.2	23708.273
Zn	66	1	He	11.234084	1.7	30509.873
As	75	1	He	0.341103	3.4	1015.197
Se	78	2	H2	0.046009	5.9	68.000
Sr	88	1	He	4.216309	0.4	79361.317
Mo	95	1	He	0.049393	18.5	426.677
Pd	105	1	He	0.012411	49.1	183.337
Ag	107	1	He	0.237043	17.0	6529.637
Cd	111	1	He	0.046603	26.7	214.873
Sn	118	1	He	0.241815	10.5	3055.310
Sb	121	1	He	0.011374	35.1	268.340
Ba	138	1	He	14.015554	1.4	546453.000
Pt	195	1	He	0.011001	20.5	250.010
Hg	202	1	He	0.006735	80.4	126.667
Tl	205	1	He	0.076379	12.4	4810.783
Pb	206	1	He	0.837912	3.1	15175.663
Pb	207	1	He	0.846768	0.3	13692.640
Pb	208	1	He	0.837894	2.3	60740.073
Bi	209	1	He	0.014791	20.6	2410.247
Th	232	1	He	0.531296	1.0	42841.770
U	238	1	He	0.123706	2.7	10276.810

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.56005871	1012261.793
Sc	45	2	H2	94.10664901	6307189.167
Ge	72	1	He	92.25032729	624665.210
Ge	72	2	H2	94.33510846	1711100.667
In	115	1	He	93.14926202	6790016.223
Tb	159	1	He	96.51258433	15627529.350
Ir	193	1	He	96.62729725	7553570.307

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	094_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:48:47
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	79.661009	4.4	60982.200
Be	9	2	H2	79.703997	4.0	51981.440
B	11	2	H2	79.689826	6.0	57568.913
Na	23	1	He	2032.225135	0.4	3855969.527
Mg	24	1	He	2022.411565	0.8	2125456.167
Al	27	1	He	1991.205128	0.2	1131831.163
Si	28	2	H2	1004.910277	5.0	4465092.833
K	39	1	He	2027.244809	0.6	3295404.427
Ca	43	1	He	2021.361087	1.2	9710.073
Ca	44	1	He	2025.939331	0.8	162982.680
Ti	47	1	He	78.087723	0.5	40232.193
V	51	1	He	82.833457	0.3	1007869.690
Cr	52	1	He	83.069887	0.5	1210782.873
Mn	55	1	He	84.122670	0.7	926850.897
Fe	56	1	He	1041.066791	0.8	13883435.667
Co	59	1	He	83.370125	1.1	1783995.167
Ni	60	1	He	84.327617	0.2	442533.730
Cu	63	1	He	86.578408	0.2	1168898.120
Zn	66	1	He	81.864526	0.7	227970.027
As	75	1	He	79.191857	0.3	180736.697
Se	78	2	H2	79.306093	0.5	89348.840
Sr	88	1	He	76.925258	0.5	1462114.147
Mo	95	1	He	82.372686	0.3	694731.420
Pd	105	1	He	81.056771	0.9	983260.273
Ag	107	1	He	41.005360	3.5	992213.343
Cd	111	1	He	79.583004	0.6	366220.340
Sn	118	1	He	80.183076	0.7	968920.403
Sb	121	1	He	76.833087	0.6	1211283.133
Ba	138	1	He	80.474544	0.8	3161682.663
Pt	195	1	He	80.207822	0.5	1172723.523
Hg	202	1	He	3.609797	1.2	26692.583
Tl	205	1	He	40.308288	0.5	2153851.740
Pb	206	1	He	82.412207	1.2	1495188.207
Pb	207	1	He	86.376313	0.3	1309411.357
Pb	208	1	He	83.384853	0.9	5967378.373
Bi	209	1	He	84.813700	1.3	4776362.010
Th	232	1	He	79.847015	0.7	6400591.987
U	238	1	He	76.961134	0.7	6310256.367

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.35527561	1042831.040
Sc	45	2	H2	95.77846782	6419237.333
Ge	72	1	He	95.17702989	644483.127
Ge	72	2	H2	95.95393178	1740463.750
In	115	1	He	94.30690447	6874401.337
Tb	159	1	He	97.27056668	15750263.513
Ir	193	1	He	96.18723521	7519169.680

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	095_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:52:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.060135	31.4	114.667
Be	9	2	H2	0.021032	39.6	20.333
B	11	2	H2	0.923672	30.3	3673.773
Na	23	1	He	5.318991	6.5	27583.817
Mg	24	1	He	-2.537234		785.023
Al	27	1	He	0.363895	15.0	456.677
Si	28	2	H2	-0.279800		11231.520
K	39	1	He	4.589933	28.9	136301.920
Ca	43	1	He	1.110935	50.4	15.840
Ca	44	1	He	1.082342	38.4	270.977
Ti	47	1	He	0.021991	10.9	14.667
V	51	1	He	0.042983	169.9	-1231.923
Cr	52	1	He	-0.000555		552.677
Mn	55	1	He	-0.062162		246.667
Fe	56	1	He	0.063890	7.1	18034.327
Co	59	1	He	0.002008	61.7	146.667
Ni	60	1	He	-0.123566		224.000
Cu	63	1	He	0.015686	24.9	531.343
Zn	66	1	He	0.026159	16.6	298.667
As	75	1	He	-0.011697		244.000
Se	78	2	H2	0.012939	61.8	32.667
Sr	88	1	He	0.001098	235.4	251.673
Mo	95	1	He	0.007040	34.5	83.333
Pd	105	1	He	0.011482	53.0	180.007
Ag	107	1	He	0.205881	18.5	6069.470
Cd	111	1	He	0.005621	86.2	29.977
Sn	118	1	He	0.032381	3.6	581.683
Sb	121	1	He	0.006252	15.6	198.333
Ba	138	1	He	0.011535	0.5	623.353
Pt	195	1	He	0.008711	13.3	223.343
Hg	202	1	He	0.023883	4.4	260.010
Tl	205	1	He	0.044206	31.0	3197.033
Pb	206	1	He	0.010156	44.7	286.673
Pb	207	1	He	0.009638	77.5	1145.050
Pb	208	1	He	0.008749	26.4	1948.403
Bi	209	1	He	0.004766	47.7	1910.163
Th	232	1	He	0.006851	14.5	621.683
U	238	1	He	0.004189	21.7	443.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.47152121	1055038.603
Sc	45	2	H2	98.15364820	6578426.000
Ge	72	1	He	95.39582022	645964.647
Ge	72	2	H2	98.45189628	1785773.167
In	115	1	He	97.78960278	7128268.920
Tb	159	1	He	99.59749958	16127045.593
Ir	193	1	He	98.82720485	7725541.967

Sample Name	4310661_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	096SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:55:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	59.575884	5.5	46257.537
Be	9	2	H2	54.826746	4.5	36256.257
B	11	2	H2	55.014365	3.8	41202.813
Na	23	1	He	1577.832835	1.0	3023488.707
Mg	24	1	He	4005.474400	1.4	4242323.270
Al	27	1	He	7922.031417	1.4	4540929.500
Si	28	2	H2	1022.796489	4.8	4607069.167
K	39	1	He	1911.172626	1.5	3140951.517
Ca	43	1	He	4656.122818	0.9	22546.897
Ca	44	1	He	4713.370391	1.6	382236.037
Ti	47	1	He	837.028520	1.2	434961.430
V	51	1	He	88.838062	2.4	1090389.357
Cr	52	1	He	65.995204	1.8	970384.810
Mn	55	1	He	186.496758	1.2	2071369.790
Fe	56	1	He	13010.86453	0.8	174812986.667
Co	59	1	He	61.969839	0.2	1314399.710
Ni	60	1	He	66.411942	0.4	345612.520
Cu	63	1	He	64.323282	0.4	860786.790
Zn	66	1	He	104.682796	0.5	288879.330
As	75	1	He	53.864515	0.7	121937.630
Se	78	2	H2	53.091487	0.3	60166.477
Sr	88	1	He	79.491090	0.4	1488105.393
Mo	95	1	He	54.300483	1.2	453878.313
Pd	105	1	He	10.135231	1.5	121131.167
Ag	107	1	He	27.519043	2.7	656211.293
Cd	111	1	He	52.904698	0.8	239788.873
Sn	118	1	He	53.851345	1.2	641002.803
Sb	121	1	He	34.986535	0.6	543293.937
Ba	138	1	He	123.588137	1.0	4865460.553
Pt	195	1	He	10.455009	1.4	153255.283
Hg	202	1	He	3.952071	2.3	29277.140
Tl	205	1	He	54.367726	1.3	2910782.560
Pb	206	1	He	58.339068	2.2	1060672.510
Pb	207	1	He	58.968983	2.3	896093.817
Pb	208	1	He	58.352978	1.3	4184942.440
Bi	209	1	He	55.174693	0.1	3114114.017
Th	232	1	He	56.732840	0.2	4524056.497
U	238	1	He	52.585980	0.6	4289257.123

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.18051706	1051856.103
Sc	45	2	H2	97.14300315	6510690.833
Ge	72	1	He	94.33330515	638769.917
Ge	72	2	H2	96.50958341	1750542.457
In	115	1	He	92.88155749	6770502.187
Tb	159	1	He	97.46435576	15781642.267
Ir	193	1	He	95.68759317	7480111.553

Sample Name	4310662_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	097SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 15:59:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	58.644350	4.6	46343.250
Be	9	2	H2	53.968482	4.5	36323.237
B	11	2	H2	55.036949	5.9	41964.423
Na	23	1	He	1625.452307	4.1	3094779.953
Mg	24	1	He	3987.563245	5.0	4196043.687
Al	27	1	He	8012.005260	4.2	4563699.500
Si	28	2	H2	1054.832013	4.8	4835098.167
K	39	1	He	1940.054110	4.6	3166166.727
Ca	43	1	He	4705.797864	3.9	22645.453
Ca	44	1	He	4771.676321	4.2	384504.493
Ti	47	1	He	824.582887	4.1	425794.343
V	51	1	He	90.817357	3.1	1108058.883
Cr	52	1	He	67.759396	3.3	990264.960
Mn	55	1	He	190.584984	4.3	2103379.500
Fe	56	1	He	13067.30446	3.9	174480277.333
Co	59	1	He	63.240426	4.6	1340457.710
Ni	60	1	He	67.979002	3.7	353612.653
Cu	63	1	He	65.811866	4.2	880283.417
Zn	66	1	He	108.055453	3.8	298049.017
As	75	1	He	55.013809	4.0	124464.743
Se	78	2	H2	52.143866	0.7	60274.503
Sr	88	1	He	81.240652	3.4	1517013.520
Mo	95	1	He	55.022651	5.4	459526.073
Pd	105	1	He	10.468046	4.1	124759.987
Ag	107	1	He	28.343482	1.0	674425.527
Cd	111	1	He	55.029847	2.6	248829.010
Sn	118	1	He	55.251615	2.6	656124.247
Sb	121	1	He	36.790164	2.1	570017.217
Ba	138	1	He	125.177781	4.0	4872041.177
Pt	195	1	He	10.807487	3.1	156659.477
Hg	202	1	He	3.991950	6.0	29216.960
Tl	205	1	He	55.828207	5.7	2953512.350
Pb	206	1	He	59.816690	4.2	1075102.250
Pb	207	1	He	60.182906	3.7	904178.293
Pb	208	1	He	59.533061	4.0	4221183.583
Bi	209	1	He	56.366798	4.3	3145199.117
Th	232	1	He	59.113051	3.2	4634698.160
U	238	1	He	53.834634	4.4	4315900.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.68613186	1046449.373
Sc	45	2	H2	98.86150832	6625868.000
Ge	72	1	He	94.41157536	639299.917
Ge	72	2	H2	98.43600011	1785484.833
In	115	1	He	92.72475057	6759071.913
Tb	159	1	He	96.47668489	15621716.433
Ir	193	1	He	94.16362370	7360979.477

Sample Name	10606565001_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	098SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:03:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.624305	6.4	5396.107
Be	9	2	H2	0.257437	14.8	182.833
B	11	2	H2	2.368820	23.6	4810.730
Na	23	1	He	347.721232	1.1	697702.020
Mg	24	1	He	3335.909088	1.3	3626731.197
Al	27	1	He	6773.910570	1.2	3984940.000
Si	28	2	H2	1017.961290	5.2	4756080.000
K	39	1	He	1038.790689	1.4	1812242.887
Ca	43	1	He	3218.706374	2.4	15998.447
Ca	44	1	He	3298.282161	0.6	274550.187
Ti	47	1	He	831.117012	1.4	443214.320
V	51	1	He	36.721184	1.6	461496.833
Cr	52	1	He	11.180868	1.9	169191.027
Mn	55	1	He	196.253453	1.5	2236898.667
Fe	56	1	He	14740.33549	1.7	203248778.667
Co	59	1	He	6.296035	1.9	136914.167
Ni	60	1	He	11.389604	2.1	61455.457
Cu	63	1	He	9.338845	1.2	128319.733
Zn	66	1	He	63.817323	1.0	180506.963
As	75	1	He	1.962008	3.8	4815.320
Se	78	2	H2	0.187519	6.8	238.333
Sr	88	1	He	26.957183	1.8	524757.283
Mo	95	1	He	0.210464	6.6	1826.783
Pd	105	1	He	0.035001	14.1	470.017
Ag	107	1	He	0.317367	15.4	8755.680
Cd	111	1	He	0.218157	14.8	1031.160
Sn	118	1	He	1.399754	4.4	17490.750
Sb	121	1	He	0.068677	12.2	1203.393
Ba	138	1	He	105.300764	2.0	4239772.857
Pt	195	1	He	0.008930	68.0	226.673
Hg	202	1	He	0.043265	9.5	406.680
Tl	205	1	He	0.103105	3.7	6428.020
Pb	206	1	He	5.685962	1.3	105811.380
Pb	207	1	He	5.726015	2.7	89890.887
Pb	208	1	He	5.652201	1.4	415759.460
Bi	209	1	He	0.049927	9.9	4517.410
Th	232	1	He	2.307575	0.2	188487.307
U	238	1	He	0.512493	1.1	42898.883

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	98.70216262	1079433.500
Sc	45	2	H2	100.7587863	6753026.833
Ge	72	1	He	96.64063004	654393.770
Ge	72	2	H2	100.1352667	1816307.040
In	115	1	He	96.55921752	7038581.297
Tb	159	1	He	99.67964037	16140346.010
Ir	193	1	He	97.98404517	7659630.303

Sample Name	10606565002_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	099SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:06:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.614234	4.7	4605.397
Be	9	2	H2	0.229937	12.9	165.167
B	11	2	H2	1.188946	25.6	3977.153
Na	23	1	He	323.701594	0.8	656923.910
Mg	24	1	He	2914.582898	0.8	3199045.577
Al	27	1	He	5988.807526	0.8	3556334.167
Si	28	2	H2	956.505126	5.6	4491748.833
K	39	1	He	887.014745	0.7	1581599.560
Ca	43	1	He	3185.085709	0.3	15981.650
Ca	44	1	He	3245.151083	0.7	272675.920
Ti	47	1	He	833.675403	0.2	448782.317
V	51	1	He	39.554406	0.5	501926.067
Cr	52	1	He	11.640586	0.5	177782.953
Mn	55	1	He	165.031733	0.4	1899006.540
Fe	56	1	He	13751.47080	0.7	191404357.333
Co	59	1	He	6.044851	1.4	132125.980
Ni	60	1	He	10.370814	0.9	56335.557
Cu	63	1	He	8.430373	1.1	116471.213
Zn	66	1	He	66.269132	1.1	188403.543
As	75	1	He	1.686544	2.3	4198.660
Se	78	2	H2	0.168338	8.1	216.667
Sr	88	1	He	25.265982	0.7	492774.080
Mo	95	1	He	0.194100	7.2	1695.100
Pd	105	1	He	0.033082	20.8	446.680
Ag	107	1	He	0.118863	4.4	3848.800
Cd	111	1	He	0.279067	15.2	1321.227
Sn	118	1	He	1.232261	2.2	15445.407
Sb	121	1	He	0.060525	7.8	1073.377
Ba	138	1	He	88.953150	0.3	3607189.010
Pt	195	1	He	0.002179	93.0	126.667
Hg	202	1	He	0.030622	8.8	313.343
Tl	205	1	He	0.102175	1.5	6423.000
Pb	206	1	He	5.324405	1.6	99799.143
Pb	207	1	He	5.447162	0.9	86170.533
Pb	208	1	He	5.335426	0.5	395341.303
Bi	209	1	He	0.042529	7.8	4120.607
Th	232	1	He	2.735289	1.2	225859.530
U	238	1	He	0.568245	2.2	48072.120

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.63683138	1089655.290
Sc	45	2	H2	101.2124975	6783435.333
Ge	72	1	He	97.15647203	657886.750
Ge	72	2	H2	100.4622571	1822238.167
In	115	1	He	96.74022558	7051775.687
Tb	159	1	He	100.3961933	16256371.843
Ir	193	1	He	99.05645027	7743462.590

Sample Name	10606565003_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	100SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:10:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.050970	4.7	4973.327
Be	9	2	H2	0.247320	2.7	177.333
B	11	2	H2	2.068631	18.9	4634.000
Na	23	1	He	314.635773	0.2	640237.320
Mg	24	1	He	3146.561115	0.3	3460114.220
Al	27	1	He	6108.118695	0.5	3634245.917
Si	28	2	H2	983.042622	4.1	4628207.833
K	39	1	He	923.091192	0.7	1643742.423
Ca	43	1	He	3993.618962	1.4	20075.790
Ca	44	1	He	4122.222237	0.8	347007.600
Ti	47	1	He	850.636011	1.0	458788.177
V	51	1	He	40.736522	0.6	517987.157
Cr	52	1	He	11.723839	1.6	179412.670
Mn	55	1	He	146.952054	0.4	1694334.127
Fe	56	1	He	14104.30627	0.8	196703909.333
Co	59	1	He	6.893510	1.1	151590.287
Ni	60	1	He	11.597438	0.8	63269.717
Cu	63	1	He	9.567171	0.8	132935.280
Zn	66	1	He	76.406525	0.7	218515.373
As	75	1	He	1.696633	2.2	4248.343
Se	78	2	H2	0.233434	2.5	294.333
Sr	88	1	He	25.569950	2.1	500614.160
Mo	95	1	He	0.238604	5.5	2091.810
Pd	105	1	He	0.030770	6.7	420.013
Ag	107	1	He	0.069428	8.4	2633.563
Cd	111	1	He	0.378052	8.7	1794.487
Sn	118	1	He	2.398047	2.5	30009.667
Sb	121	1	He	0.089305	3.6	1545.087
Ba	138	1	He	81.840981	1.3	3346760.990
Pt	195	1	He	0.004945	91.0	170.003
Hg	202	1	He	0.027671	14.3	293.343
Tl	205	1	He	0.150764	4.9	9179.387
Pb	206	1	He	6.850791	1.4	129456.797
Pb	207	1	He	6.879299	2.2	109473.297
Pb	208	1	He	6.814856	2.4	508838.307
Bi	209	1	He	0.084332	3.5	6604.820
Th	232	1	He	2.383309	1.3	197038.453
U	238	1	He	0.659914	2.2	55879.453

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	99.82688704	1091733.790
Sc	45	2	H2	101.4706825	6800739.333
Ge	72	1	He	97.73219221	661785.190
Ge	72	2	H2	100.7740472	1827893.583
In	115	1	He	97.10901900	7078658.490
Tb	159	1	He	101.2403101	16393053.090
Ir	193	1	He	99.17409914	7752659.463

Sample Name	10606565004_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	101SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:14:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.847389	7.1	4739.937
Be	9	2	H2	0.228791	5.6	162.333
B	11	2	H2	1.904581	16.3	4447.273
Na	23	1	He	336.037399	0.7	667327.260
Mg	24	1	He	2824.977399	0.8	3037447.767
Al	27	1	He	6354.316311	0.8	3696312.667
Si	28	2	H2	922.424160	6.3	4281698.333
K	39	1	He	1090.272053	1.0	1874382.057
Ca	43	1	He	7862.883291	0.7	38630.480
Ca	44	1	He	8070.583424	0.6	664024.523
Ti	47	1	He	828.670732	0.4	436987.927
V	51	1	He	39.471285	0.7	490647.423
Cr	52	1	He	11.768978	0.5	176067.847
Mn	55	1	He	151.481161	0.7	1707517.503
Fe	56	1	He	13951.13740	1.0	190212677.333
Co	59	1	He	7.254106	0.5	155935.373
Ni	60	1	He	10.358313	0.8	55337.777
Cu	63	1	He	11.801512	1.1	160234.980
Zn	66	1	He	76.084775	1.5	212712.407
As	75	1	He	1.988406	0.6	4820.150
Se	78	2	H2	0.256026	1.8	317.667
Sr	88	1	He	29.778443	0.8	575261.863
Mo	95	1	He	0.235684	5.7	2020.140
Pd	105	1	He	0.033657	8.4	450.013
Ag	107	1	He	0.058793	24.3	2336.850
Cd	111	1	He	0.478626	3.2	2241.230
Sn	118	1	He	1.558248	0.5	19302.670
Sb	121	1	He	0.068522	6.0	1191.720
Ba	138	1	He	81.216332	1.5	3244456.517
Pt	195	1	He	0.001400	196.9	113.333
Hg	202	1	He	0.044145	18.6	410.013
Tl	205	1	He	0.193698	7.9	11297.407
Pb	206	1	He	6.660130	1.0	122954.537
Pb	207	1	He	6.689059	3.9	104007.297
Pb	208	1	He	6.622396	2.1	483078.133
Bi	209	1	He	0.055418	3.3	4797.480
Th	232	1	He	2.508163	2.2	202870.003
U	238	1	He	0.728969	1.8	60382.857

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.60361988	1067419.540
Sc	45	2	H2	100.0488498	6705445.667
Ge	72	1	He	95.55086562	647014.523
Ge	72	2	H2	99.69769241	1808370.083
In	115	1	He	95.82818916	6985293.763
Tb	159	1	He	98.90743307	16015308.510
Ir	193	1	He	97.03976257	7585813.637

Sample Name	10606565005_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	102SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:17:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.488257	4.2	4566.223
Be	9	2	H2	0.213779	9.4	156.167
B	11	2	H2	0.998318	10.8	3893.813
Na	23	1	He	316.595837	1.4	655119.483
Mg	24	1	He	2736.512777	0.7	3061089.223
Al	27	1	He	6207.762989	0.4	3756590.417
Si	28	2	H2	935.389167	3.9	4453081.583
K	39	1	He	877.318331	1.3	1595580.760
Ca	43	1	He	3236.899803	2.2	16551.000
Ca	44	1	He	3324.921032	0.7	284698.307
Ti	47	1	He	793.801292	0.8	435446.930
V	51	1	He	36.673538	1.5	474101.000
Cr	52	1	He	11.047632	1.2	171973.073
Mn	55	1	He	177.301749	0.5	2078941.043
Fe	56	1	He	13175.14304	0.8	186876736.000
Co	59	1	He	5.773597	0.7	128311.430
Ni	60	1	He	10.172879	0.6	56192.403
Cu	63	1	He	9.936091	1.1	139495.817
Zn	66	1	He	68.022701	0.6	196602.320
As	75	1	He	1.805932	1.3	4550.747
Se	78	2	H2	0.211061	5.6	271.333
Sr	88	1	He	23.795506	3.3	472496.737
Mo	95	1	He	0.208474	8.6	1850.123
Pd	105	1	He	0.032166	16.4	443.347
Ag	107	1	He	0.072719	5.8	2753.577
Cd	111	1	He	0.242997	5.1	1171.167
Sn	118	1	He	1.272815	3.5	16237.850
Sb	121	1	He	0.069359	9.4	1238.390
Ba	138	1	He	85.203222	0.8	3485451.093
Pt	195	1	He	0.001444	129.0	116.667
Hg	202	1	He	0.034125	41.6	343.347
Tl	205	1	He	0.082966	3.8	5410.970
Pb	206	1	He	5.855654	3.1	110701.093
Pb	207	1	He	6.002113	3.8	95670.627
Pb	208	1	He	5.884125	2.2	439668.643
Bi	209	1	He	0.049185	3.4	4547.400
Th	232	1	He	2.024733	0.9	167810.650
U	238	1	He	0.659814	2.2	56006.690

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	101.5320543	1110381.960
Sc	45	2	H2	102.6352602	6878791.333
Ge	72	1	He	98.76207599	668758.960
Ge	72	2	H2	102.1067533	1852066.920
In	115	1	He	98.50548772	7180452.590
Tb	159	1	He	101.2801441	16399503.090
Ir	193	1	He	99.41782916	7771712.380

Sample Name	10606565006_B69995Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	103SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:21:17
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.447629	4.3	4527.377
Be	9	2	H2	0.239753	5.4	174.000
B	11	2	H2	1.809104	20.3	4487.303
Na	23	1	He	335.906533	0.8	689904.780
Mg	24	1	He	3002.919539	0.8	3339084.223
Al	27	1	He	6191.019926	1.0	3724600.417
Si	28	2	H2	958.349137	4.6	4556494.750
K	39	1	He	882.276417	0.7	1594474.973
Ca	43	1	He	3116.456589	1.4	15842.307
Ca	44	1	He	3177.405482	0.9	270487.677
Ti	47	1	He	928.797565	1.2	506538.293
V	51	1	He	48.453258	0.9	623317.663
Cr	52	1	He	11.894760	0.9	184031.113
Mn	55	1	He	230.500382	0.8	2686671.917
Fe	56	1	He	14673.12804	0.3	206906400.000
Co	59	1	He	6.066042	0.8	134223.543
Ni	60	1	He	11.200693	0.7	61509.593
Cu	63	1	He	12.608015	0.2	176148.600
Zn	66	1	He	73.578458	0.3	211717.643
As	75	1	He	3.241618	1.5	7912.257
Se	78	2	H2	0.187290	2.9	243.000
Sr	88	1	He	24.244155	0.7	479961.543
Mo	95	1	He	0.197755	6.8	1746.770
Pd	105	1	He	0.035156	12.7	480.020
Ag	107	1	He	0.058212	3.1	2380.197
Cd	111	1	He	0.238822	12.1	1147.857
Sn	118	1	He	1.294370	0.5	16459.683
Sb	121	1	He	0.104102	1.8	1805.113
Ba	138	1	He	84.978071	1.0	3465085.053
Pt	195	1	He	0.002999	98.4	140.003
Hg	202	1	He	0.016486	40.1	206.673
Tl	205	1	He	0.076275	3.6	5022.517
Pb	206	1	He	9.767407	3.2	184013.567
Pb	207	1	He	10.231272	1.3	161856.253
Pb	208	1	He	9.899113	2.6	736419.230
Bi	209	1	He	0.059514	15.0	5137.623
Th	232	1	He	1.984343	1.5	163708.413
U	238	1	He	0.585892	0.6	49516.657

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	100.9382806	1103888.290
Sc	45	2	H2	102.5016344	6869835.500
Ge	72	1	He	98.33421364	665861.727
Ge	72	2	H2	102.1137616	1852194.040
In	115	1	He	98.19374752	7157728.620
Tb	159	1	He	100.9553173	16346906.423
Ir	193	1	He	98.96717358	7736483.633

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	104_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:24:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	80.869098	6.3	62244.150
Be	9	2	H2	80.676676	5.4	52899.650
B	11	2	H2	77.719246	5.1	56505.980
Na	23	1	He	2035.192408	1.2	3944982.130
Mg	24	1	He	2027.514464	1.7	2176843.977
Al	27	1	He	1987.848056	0.4	1154346.293
Si	28	2	H2	1018.201144	6.1	4548535.000
K	39	1	He	2049.505316	0.9	3402171.823
Ca	43	1	He	2040.634589	2.9	10014.040
Ca	44	1	He	2031.166080	1.3	166934.500
Ti	47	1	He	77.621267	0.8	40856.247
V	51	1	He	82.830653	0.9	1029596.620
Cr	52	1	He	83.280284	0.2	1240104.920
Mn	55	1	He	84.098984	0.7	946611.060
Fe	56	1	He	1047.450169	1.5	14270321.667
Co	59	1	He	84.014972	1.2	1835680.710
Ni	60	1	He	84.610335	0.7	453367.407
Cu	63	1	He	86.834492	0.7	1197048.207
Zn	66	1	He	81.970707	0.4	233077.673
As	75	1	He	79.682246	0.4	185683.880
Se	78	2	H2	79.895843	1.2	91670.587
Sr	88	1	He	77.163786	1.3	1499440.343
Mo	95	1	He	82.738234	0.3	712521.523
Pd	105	1	He	80.953635	0.8	1003983.710
Ag	107	1	He	41.117148	4.6	1016955.143
Cd	111	1	He	79.775471	1.8	375295.353
Sn	118	1	He	79.461866	0.6	981721.623
Sb	121	1	He	76.108200	0.5	1226696.493
Ba	138	1	He	80.432930	0.4	3231347.347
Pt	195	1	He	80.493292	2.1	1203326.027
Hg	202	1	He	3.601602	3.5	27233.420
Tl	205	1	He	39.505961	0.6	2158574.710
Pb	206	1	He	81.098848	1.1	1504518.210
Pb	207	1	He	84.521295	0.9	1310173.157
Pb	208	1	He	82.096769	0.3	6007769.963
Bi	209	1	He	84.457490	0.3	4863774.823
Th	232	1	He	79.045433	1.2	6461549.487
U	238	1	He	76.938936	0.9	6433574.073

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.41612115	1065369.003
Sc	45	2	H2	96.31544302	6455226.333
Ge	72	1	He	97.18312821	658067.250
Ge	72	2	H2	97.72396172	1772569.500
In	115	1	He	96.42112884	7028515.470
Tb	159	1	He	99.46344343	16105338.927
Ir	193	1	He	98.09556710	7668348.220

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	105_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:28:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.061189	13.8	114.333
Be	9	2	H2	0.013715	74.8	15.333
B	11	2	H2	0.738822	25.7	3503.723
Na	23	1	He	4.264544	8.4	25372.413
Mg	24	1	He	-2.553447		761.690
Al	27	1	He	0.319568	9.8	428.010
Si	28	2	H2	-0.346124		10819.260
K	39	1	He	4.956804	8.4	135852.770
Ca	43	1	He	-0.204344		9.363
Ca	44	1	He	0.844501	28.4	249.750
Ti	47	1	He	0.033758	62.9	20.667
V	51	1	He	0.041721	51.4	-1234.990
Cr	52	1	He	-0.002679		517.343
Mn	55	1	He	-0.059766		271.333
Fe	56	1	He	0.185730	18.1	19527.213
Co	59	1	He	0.001958	46.8	145.333
Ni	60	1	He	-0.126296		209.333
Cu	63	1	He	0.012431	13.4	486.677
Zn	66	1	He	0.009274	66.7	251.333
As	75	1	He	-0.022675		218.667
Se	78	2	H2	0.002262	120.2	20.333
Sr	88	1	He	0.005060	36.5	328.343
Mo	95	1	He	0.007830	18.9	90.000
Pd	105	1	He	0.010434	31.1	166.673
Ag	107	1	He	0.200999	12.3	5927.743
Cd	111	1	He	0.007389	30.4	38.307
Sn	118	1	He	0.026156	39.6	501.683
Sb	121	1	He	0.004764	14.9	173.333
Ba	138	1	He	0.011968	15.9	641.683
Pt	195	1	He	0.005089	70.7	170.003
Hg	202	1	He	0.029515	13.3	303.343
Tl	205	1	He	0.040463	26.8	3003.650
Pb	206	1	He	0.008865	12.8	263.337
Pb	207	1	He	0.001966	555.0	1028.377
Pb	208	1	He	0.007224	31.8	1841.730
Bi	209	1	He	-0.000429		1616.777
Th	232	1	He	0.006243	15.2	580.020
U	238	1	He	0.003467	18.5	388.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.74213298	1047061.817
Sc	45	2	H2	97.15289298	6511353.667
Ge	72	1	He	95.25981959	645043.730
Ge	72	2	H2	98.15991644	1780477.080
In	115	1	He	97.41232558	7100767.700
Tb	159	1	He	99.83547653	16165579.343
Ir	193	1	He	100.3137969	7841752.173

Sample Name	4322471_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	106SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:32:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.052443	42.7	108.833
Be	9	2	H2	0.020378	19.2	20.000
B	11	2	H2	0.619538	35.7	3457.053
Na	23	1	He	9.176881	3.1	35053.093
Mg	24	1	He	0.068096	146.6	3560.380
Al	27	1	He	5.026161	2.7	3145.937
Si	28	2	H2	1.022263	18.6	17131.990
K	39	1	He	5.099828	34.7	137498.423
Ca	43	1	He	10.374798	11.3	60.980
Ca	44	1	He	7.957363	5.1	832.070
Ti	47	1	He	0.062658	17.4	36.000
V	51	1	He	-3.386103		-44141.097
Cr	52	1	He	0.725473	1.2	11286.197
Mn	55	1	He	0.021700	19.2	1184.043
Fe	56	1	He	5.897904	1.5	96926.117
Co	59	1	He	0.005958	9.7	228.000
Ni	60	1	He	-0.084317		424.010
Cu	63	1	He	0.060948	6.9	1126.707
Zn	66	1	He	0.610067	3.1	1898.107
As	75	1	He	-0.022064		217.167
Se	78	2	H2	0.010589	24.1	30.000
Sr	88	1	He	0.018923	7.8	601.683
Mo	95	1	He	0.016779	12.7	163.333
Pd	105	1	He	0.003541	118.8	80.000
Ag	107	1	He	0.044439	13.2	2020.140
Cd	111	1	He	0.011590	43.9	58.280
Sn	118	1	He	1.142368	2.4	14456.207
Sb	121	1	He	0.006070	13.7	195.000
Ba	138	1	He	0.066458	3.5	2831.933
Pt	195	1	He	0.012051	13.1	273.343
Hg	202	1	He	0.013778	65.4	183.340
Tl	205	1	He	0.007071	19.9	1170.057
Pb	206	1	He	0.083815	6.1	1655.100
Pb	207	1	He	0.074949	5.7	2158.503
Pb	208	1	He	0.081735	2.5	7295.683
Bi	209	1	He	0.006799	43.0	2026.843
Th	232	1	He	0.004667	15.5	446.680
U	238	1	He	0.001215	25.6	195.000

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.75243814	1058110.787
Sc	45	2	H2	98.07168721	6572932.833
Ge	72	1	He	93.98449473	636407.977
Ge	72	2	H2	98.39660185	1784770.207
In	115	1	He	97.58796973	7113571.093
Tb	159	1	He	99.57831598	16123939.343
Ir	193	1	He	99.85913580	7806210.300

Sample Name	4322472_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	107SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:35:42
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.579686	4.8	83657.600
Be	9	2	H2	107.885263	4.1	72159.697
B	11	2	H2	106.634309	3.6	77952.617
Na	23	1	He	2218.306234	0.6	4297827.123
Mg	24	1	He	2180.940835	0.9	2341050.280
Al	27	1	He	2137.676109	0.3	1241148.833
Si	28	2	H2	546.063901	5.1	2494239.417
K	39	1	He	2218.459452	0.7	3671421.510
Ca	43	1	He	2204.335550	0.9	10815.643
Ca	44	1	He	2177.953932	1.1	178965.347
Ti	47	1	He	102.374508	0.5	53877.143
V	51	1	He	109.517721	0.6	1361715.407
Cr	52	1	He	111.780638	0.3	1664053.337
Mn	55	1	He	111.049106	0.4	1249493.457
Fe	56	1	He	2251.130131	0.7	30645686.667
Co	59	1	He	114.161766	0.7	2505110.583
Ni	60	1	He	114.888237	1.6	617903.520
Cu	63	1	He	114.411263	0.3	1583896.667
Zn	66	1	He	111.197667	0.9	317454.790
As	75	1	He	107.614606	1.0	251749.907
Se	78	2	H2	107.152578	1.0	123945.130
Sr	88	1	He	106.004886	1.0	2035223.353
Mo	95	1	He	108.884099	1.2	941657.043
Pd	105	1	He	21.810827	0.6	267298.730
Ag	107	1	He	49.671428	3.2	1213912.793
Cd	111	1	He	106.714336	0.6	496072.407
Sn	118	1	He	103.770649	0.7	1266691.723
Sb	121	1	He	101.221241	0.7	1611911.277
Ba	138	1	He	109.560815	0.0	4332672.333
Pt	195	1	He	21.456214	0.5	315834.937
Hg	202	1	He	0.019120	53.9	220.007
Tl	205	1	He	111.800559	0.9	6011614.703
Pb	206	1	He	111.894753	0.6	2043344.450
Pb	207	1	He	112.232717	1.4	1712163.623
Pb	208	1	He	111.501226	0.8	8031334.783
Bi	209	1	He	113.014343	1.1	6406133.237
Th	232	1	He	112.225368	1.4	8918811.327
U	238	1	He	106.018371	1.1	8618174.873

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.40190576	1065213.540
Sc	45	2	H2	98.23949351	6584179.500
Ge	72	1	He	97.60065544	660894.500
Ge	72	2	H2	98.51638385	1786942.877
In	115	1	He	95.26704142	6944389.497
Tb	159	1	He	97.90716613	15853343.093
Ir	193	1	He	95.36404737	7454819.260

Sample Name	10607436003_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	108SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:39:17
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.784054	4.5	2114.783
Be	9	2	H2	0.056435	24.6	41.667
B	11	2	H2	22.649274	4.4	17785.437
Na	23	1	He	24577.21884	0.7	46670970.970
Mg	24	1	He	24242.25000	0.3	25565818.787
Al	27	1	He	305.653363	0.9	174799.257
Si	28	2	H2	3669.491933	6.9	15690205.000
K	39	1	He	8404.360055	0.6	13325956.883
Ca	43	1	He	141179.7172	0.2	680843.713
Ca	44	1	He	141427.0150	0.7	11421738.103
Ti	47	1	He	0.148465	15.2	80.000
V	51	1	He	1.459119	9.3	16118.937
Cr	52	1	He	0.751679	2.8	11562.383
Mn	55	1	He	26.729910	0.6	296595.937
Fe	56	1	He	11.004155	1.0	164353.217
Co	59	1	He	0.717496	0.9	15076.330
Ni	60	1	He	1.854062	0.9	10322.313
Cu	63	1	He	5.419151	1.6	71651.753
Zn	66	1	He	121.497548	1.5	329890.290
As	75	1	He	1.926618	1.9	4545.750
Se	78	2	H2	0.468053	4.2	528.677
Sr	88	1	He	383.747937	0.3	7196331.767
Mo	95	1	He	1.746957	3.0	14391.017
Pd	105	1	He	0.063422	5.1	793.370
Ag	107	1	He	0.225722	18.4	6254.540
Cd	111	1	He	0.042790	6.4	197.350
Sn	118	1	He	5.854484	1.7	69960.183
Sb	121	1	He	0.353284	5.4	5587.640
Ba	138	1	He	132.192863	1.9	5137902.007
Pt	195	1	He	0.009496	65.1	226.673
Hg	202	1	He	0.017314	19.1	203.337
Tl	205	1	He	0.069867	2.4	4448.997
Pb	206	1	He	2.535566	2.3	45606.503
Pb	207	1	He	2.559499	1.6	39320.070
Pb	208	1	He	2.522508	0.7	179828.073
Bi	209	1	He	0.052519	12.1	4507.407
Th	232	1	He	0.026228	2.6	2116.830
U	238	1	He	0.036542	4.6	3025.323

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.82649660	1047984.440
Sc	45	2	H2	92.24375780	6182335.000
Ge	72	1	He	92.84356276	628682.253
Ge	72	2	H2	93.16060383	1689796.873
In	115	1	He	93.05732392	6783314.493
Tb	159	1	He	96.23705593	15582915.187
Ir	193	1	He	94.33519727	7374391.763

Sample Name	4323804_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	109SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:42:52
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	82.734190	2.6	59852.827
Be	9	2	H2	82.076917	2.8	50597.160
B	11	2	H2	99.593332	1.5	67267.900
Na	23	1	He	26358.58902	0.8	48750280.937
Mg	24	1	He	25894.72316	1.2	26596940.437
Al	27	1	He	2299.648744	0.8	1279369.997
Si	28	2	H2	4613.011696	4.4	19338946.667
K	39	1	He	10309.85862	1.2	15893412.260
Ca	43	1	He	141086.3187	0.4	662694.540
Ca	44	1	He	141040.6097	1.2	11093768.540
Ti	47	1	He	78.678103	0.7	39676.997
V	51	1	He	86.926596	0.4	1035326.023
Cr	52	1	He	84.690982	0.5	1208233.583
Mn	55	1	He	108.361541	1.0	1168306.127
Fe	56	1	He	1042.380190	1.0	13606118.000
Co	59	1	He	83.947079	0.9	1720012.373
Ni	60	1	He	84.651824	0.6	425349.097
Cu	63	1	He	88.472927	0.5	1143743.337
Zn	66	1	He	200.939237	0.4	535467.627
As	75	1	He	85.270353	0.1	186319.363
Se	78	2	H2	83.245386	0.8	89809.787
Sr	88	1	He	466.559826	1.3	8330419.047
Mo	95	1	He	86.506687	0.7	698572.070
Pd	105	1	He	78.977397	1.5	900168.817
Ag	107	1	He	40.562971	3.2	922239.463
Cd	111	1	He	81.374254	0.5	351831.907
Sn	118	1	He	86.687771	0.4	984219.230
Sb	121	1	He	80.053448	0.7	1185755.893
Ba	138	1	He	209.380416	1.0	7993505.927
Pt	195	1	He	80.156468	1.2	1138818.917
Hg	202	1	He	0.018770	23.1	210.010
Tl	205	1	He	40.721386	0.7	2114511.477
Pb	206	1	He	84.544188	0.4	1490684.610
Pb	207	1	He	84.474552	0.7	1244501.493
Pb	208	1	He	83.590605	0.2	5813464.077
Bi	209	1	He	80.469266	1.1	4403763.373
Th	232	1	He	80.961994	0.8	6262316.577
U	238	1	He	82.096590	0.5	6495317.193

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.33437024	1020729.873
Sc	45	2	H2	90.53520960	6067825.167
Ge	72	1	He	91.13236787	617095.043
Ge	72	2	H2	91.88533785	1666665.417
In	115	1	He	88.60733644	6458937.397
Tb	159	1	He	94.52737162	15306079.353
Ir	193	1	He	92.81579830	7255616.973

Sample Name	4323805_B70205Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	110SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:46:26
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.680415	6.7	591.177
Be	9	2	H2	0.030936	26.5	26.667
B	11	2	H2	5.881122	7.9	7038.120
Na	23	1	He	5292.538323	0.4	10053742.763
Mg	24	1	He	5309.213735	0.8	5595963.877
Al	27	1	He	66.351825	0.5	38099.903
Si	28	2	H2	812.116355	6.0	3640822.667
K	39	1	He	1810.032314	1.3	2967466.207
Ca	43	1	He	29911.31919	0.4	144108.170
Ca	44	1	He	30341.59411	1.4	2447866.153
Ti	47	1	He	0.044174	32.4	26.000
V	51	1	He	0.359545	6.6	2655.620
Cr	52	1	He	0.169792	3.6	3039.600
Mn	55	1	He	5.766942	0.7	64654.727
Fe	56	1	He	2.529927	0.6	50872.513
Co	59	1	He	0.152430	5.7	3331.650
Ni	60	1	He	0.296836	8.8	2400.837
Cu	63	1	He	1.195068	2.2	16284.057
Zn	66	1	He	26.651706	0.3	73630.643
As	75	1	He	0.394242	2.4	1156.873
Se	78	2	H2	0.107188	6.1	139.333
Sr	88	1	He	80.196373	0.6	1547975.757
Mo	95	1	He	0.371634	4.0	3126.983
Pd	105	1	He	0.020951	48.0	293.340
Ag	107	1	He	0.190376	18.7	5562.633
Cd	111	1	He	0.014086	19.4	69.060
Sn	118	1	He	1.374647	1.5	17040.310
Sb	121	1	He	0.077171	8.7	1330.060
Ba	138	1	He	27.603054	0.4	1101486.260
Pt	195	1	He	0.004108	23.4	153.333
Hg	202	1	He	0.013527	70.2	180.003
Tl	205	1	He	0.061111	22.4	4093.920
Pb	206	1	He	0.547244	4.5	10178.350
Pb	207	1	He	0.543527	3.3	9349.460
Pb	208	1	He	0.547301	1.1	41065.760
Bi	209	1	He	0.013237	22.9	2380.233
Th	232	1	He	0.009930	8.6	861.703
U	238	1	He	0.009072	7.0	841.697

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.72892342	1046917.353
Sc	45	2	H2	96.57033553	6472309.667
Ge	72	1	He	94.23010466	638071.103
Ge	72	2	H2	96.82960209	1756347.127
In	115	1	He	95.77523199	6981433.507
Tb	159	1	He	98.78606305	15995656.010
Ir	193	1	He	97.30521549	7606564.680

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	111_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:50:02
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	81.265811	5.3	61572.057
Be	9	2	H2	80.976264	4.8	52274.060
B	11	2	H2	79.594148	5.2	56910.670
Na	23	1	He	2065.033907	0.9	3869320.257
Mg	24	1	He	2041.942398	0.8	2119370.127
Al	27	1	He	1997.949106	0.4	1121559.583
Si	28	2	H2	1003.480800	4.9	4412981.667
K	39	1	He	2023.472200	0.2	3248725.157
Ca	43	1	He	2031.568435	1.5	9638.367
Ca	44	1	He	1988.705998	0.8	158007.373
Ti	47	1	He	77.479520	1.0	39424.470
V	51	1	He	82.601762	0.4	992567.620
Cr	52	1	He	83.356242	0.5	1199893.707
Mn	55	1	He	84.058316	0.8	914650.207
Fe	56	1	He	1041.027463	0.4	13710939.333
Co	59	1	He	83.903584	1.9	1764549.167
Ni	60	1	He	84.741169	1.3	437059.147
Cu	63	1	He	86.968272	1.5	1153951.580
Zn	66	1	He	82.454410	0.3	225675.330
As	75	1	He	79.949524	1.0	179326.830
Se	78	2	H2	78.563911	0.6	87925.470
Sr	88	1	He	76.390883	0.4	1440743.730
Mo	95	1	He	83.317592	0.8	690626.060
Pd	105	1	He	80.905617	0.6	973819.440
Ag	107	1	He	41.092888	3.3	986425.323
Cd	111	1	He	79.863633	1.5	364651.270
Sn	118	1	He	79.136280	1.3	948840.430
Sb	121	1	He	76.528365	1.4	1197066.910
Ba	138	1	He	79.428925	0.5	3111609.433
Pt	195	1	He	81.614025	1.7	1189747.013
Hg	202	1	He	3.632584	0.5	26782.633
Tl	205	1	He	40.209607	1.0	2142298.770
Pb	206	1	He	82.113057	1.3	1485429.667
Pb	207	1	He	86.130115	1.0	1301849.693
Pb	208	1	He	83.486722	1.0	5957204.107
Bi	209	1	He	84.683799	1.2	4755157.533
Th	232	1	He	78.648731	0.5	6365099.280
U	238	1	He	76.253630	1.0	6312338.657

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.17105862	1029880.123
Sc	45	2	H2	94.82770385	6355515.500
Ge	72	1	He	93.54583749	633437.647
Ge	72	2	H2	95.31684210	1728907.877
In	115	1	He	93.57828066	6821289.080
Tb	159	1	He	96.98787434	15704489.350
Ir	193	1	He	97.11289704	7591530.720

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	112_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:53:38
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.066993	23.6	119.833
Be	9	2	H2	0.037296	27.0	31.333
B	11	2	H2	1.088270	38.8	3783.810
Na	23	1	He	4.192190	4.3	25257.270
Mg	24	1	He	-2.272696		1058.377
Al	27	1	He	0.284992	3.9	408.677
Si	28	2	H2	-0.118129		11950.020
K	39	1	He	7.679903	11.8	140242.410
Ca	43	1	He	1.982858	36.1	19.937
Ca	44	1	He	2.179626	24.2	357.623
Ti	47	1	He	0.011875	19.3	9.333
V	51	1	He	-0.005030		-1806.207
Cr	52	1	He	-0.000514		549.343
Mn	55	1	He	-0.058223		288.667
Fe	56	1	He	-0.034306		16598.297
Co	59	1	He	0.001867	54.8	142.000
Ni	60	1	He	-0.123842		220.000
Cu	63	1	He	0.015590	17.8	524.010
Zn	66	1	He	0.015769	59.5	266.667
As	75	1	He	-0.007089		251.667
Se	78	2	H2	0.008932	53.8	28.000
Sr	88	1	He	0.012050	51.0	461.680
Mo	95	1	He	0.009139	22.5	100.000
Pd	105	1	He	0.008150	35.1	136.667
Ag	107	1	He	0.205778	13.7	5994.427
Cd	111	1	He	0.008167	59.1	41.633
Sn	118	1	He	0.048462	20.7	773.360
Sb	121	1	He	0.010013	8.9	256.670
Ba	138	1	He	0.013394	6.6	693.353
Pt	195	1	He	0.007918	59.9	210.007
Hg	202	1	He	0.031693	24.3	316.677
Tl	205	1	He	0.041641	20.4	3040.323
Pb	206	1	He	0.009541	6.7	273.343
Pb	207	1	He	0.010332	40.8	1148.387
Pb	208	1	He	0.008163	5.8	1893.407
Bi	209	1	He	0.004224	70.9	1866.820
Th	232	1	He	0.008618	11.3	761.693
U	238	1	He	0.004926	16.3	501.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.82040067	1047917.773
Sc	45	2	H2	97.98557830	6567161.667
Ge	72	1	He	94.31262361	638629.873
Ge	72	2	H2	98.21983969	1781564.000
In	115	1	He	96.60085303	7041616.273
Tb	159	1	He	98.92471760	16018107.260
Ir	193	1	He	98.10776239	7669301.553

Sample Name	4322473_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	113SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 16:57:14
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	108.684183	4.5	77934.423
Be	9	2	H2	108.304916	4.0	66179.530
B	11	2	H2	129.035386	6.5	85643.630
Na	23	1	He	27124.57797	1.3	50113469.253
Mg	24	1	He	26758.63710	1.4	27455367.090
Al	27	1	He	2434.868885	1.3	1353150.997
Si	28	2	H2	4246.245109	6.4	17650146.000
K	39	1	He	10712.33188	1.6	16491824.340
Ca	43	1	He	144538.3326	1.0	678199.500
Ca	44	1	He	144774.0656	0.7	11375880.473
Ti	47	1	He	103.966597	1.2	52375.007
V	51	1	He	113.991924	0.9	1356791.017
Cr	52	1	He	110.625117	1.3	1576356.667
Mn	55	1	He	133.730400	1.2	1440121.833
Fe	56	1	He	2189.726579	1.3	28534392.667
Co	59	1	He	113.072929	0.5	2304690.917
Ni	60	1	He	112.824268	0.9	563641.333
Cu	63	1	He	114.371625	0.2	1470673.707
Zn	66	1	He	228.992464	0.1	607011.813
As	75	1	He	113.081009	0.6	245704.320
Se	78	2	H2	109.335367	1.7	116516.317
Sr	88	1	He	505.672209	0.4	9007928.410
Mo	95	1	He	115.975679	0.9	931609.827
Pd	105	1	He	20.954329	1.3	238282.457
Ag	107	1	He	48.870402	2.5	1108168.550
Cd	111	1	He	106.918393	0.1	461174.560
Sn	118	1	He	112.317614	1.0	1272131.283
Sb	121	1	He	105.532577	0.2	1559421.073
Ba	138	1	He	241.706132	1.7	8941410.493
Pt	195	1	He	21.694688	0.3	298778.457
Hg	202	1	He	0.033704	29.4	306.680
Tl	205	1	He	109.562118	1.7	5511155.127
Pb	206	1	He	112.824336	1.6	1927397.577
Pb	207	1	He	112.816554	1.2	1610107.267
Pb	208	1	He	112.960086	1.2	7611700.720
Bi	209	1	He	110.988660	1.5	5885414.703
Th	232	1	He	111.896766	1.3	8418802.790
U	238	1	He	109.797613	0.5	8449836.537

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.24077892	1019706.333
Sc	45	2	H2	89.74710684	6015005.167
Ge	72	1	He	90.65534101	613864.897
Ge	72	2	H2	90.77221727	1646475.040
In	115	1	He	88.39784640	6443666.843
Tb	159	1	He	91.60139590	14832298.947
Ir	193	1	He	90.28335569	7057650.313

Sample Name	4322474_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	114SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:00:50
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	107.929902	3.7	77484.880
Be	9	2	H2	107.446440	2.5	65719.893
B	11	2	H2	126.315543	3.8	83958.850
Na	23	1	He	26970.93153	0.6	49837325.923
Mg	24	1	He	26583.67480	0.4	27280038.757
Al	27	1	He	2404.288071	0.7	1336333.917
Si	28	2	H2	4216.275305	5.5	17546397.333
K	39	1	He	10618.03510	0.6	16350027.260
Ca	43	1	He	143472.2299	0.8	673257.933
Ca	44	1	He	143634.1322	0.3	11287539.567
Ti	47	1	He	102.225199	2.4	51499.633
V	51	1	He	112.282464	0.6	1336564.810
Cr	52	1	He	109.057645	0.4	1554249.167
Mn	55	1	He	132.387069	0.2	1425853.497
Fe	56	1	He	2161.534754	0.4	28170984.000
Co	59	1	He	111.142070	0.7	2269331.333
Ni	60	1	He	111.430718	1.0	557690.523
Cu	63	1	He	112.981156	1.0	1455353.123
Zn	66	1	He	225.986092	1.0	600094.460
As	75	1	He	111.035914	0.8	241692.473
Se	78	2	H2	109.733471	0.3	116875.647
Sr	88	1	He	496.066601	0.3	8851344.450
Mo	95	1	He	114.239806	0.6	919323.347
Pd	105	1	He	20.445468	1.6	232868.397
Ag	107	1	He	48.489989	2.8	1101265.243
Cd	111	1	He	105.993808	1.2	457923.730
Sn	118	1	He	111.016887	0.1	1259478.497
Sb	121	1	He	103.767787	0.9	1535877.057
Ba	138	1	He	234.905677	0.1	8800623.200
Pt	195	1	He	21.276865	0.5	296714.007
Hg	202	1	He	0.025443	55.6	253.340
Tl	205	1	He	106.904154	0.7	5446165.960
Pb	206	1	He	109.362050	0.7	1892084.297
Pb	207	1	He	110.776022	0.0	1601093.937
Pb	208	1	He	110.464376	0.2	7538215.360
Bi	209	1	He	107.505897	0.8	5773090.327
Th	232	1	He	108.232346	0.8	8192121.547
U	238	1	He	108.247272	1.2	8380557.587

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.24630914	1019766.813
Sc	45	2	H2	89.83685636	6021020.333
Ge	72	1	He	90.81683459	614958.437
Ge	72	2	H2	90.71520697	1645440.957
In	115	1	He	88.54422849	6454337.210
Tb	159	1	He	92.75557936	15019186.863
Ir	193	1	He	90.82537471	7100021.143

Sample Name	10607436003_B70205Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	115SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:04:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.207885	21.0	228.000
Be	9	2	H2	0.048452	22.9	38.333
B	11	2	H2	2.371975	26.8	4634.003
Na	23	1	He	1251.040337	1.0	2389011.213
Mg	24	1	He	1243.173704	1.4	1312607.923
Al	27	1	He	16.736461	0.7	9791.260
Si	28	2	H2	189.924848	6.0	864414.103
K	39	1	He	435.210797	0.7	810577.590
Ca	43	1	He	6931.771074	0.5	33394.870
Ca	44	1	He	7136.230460	0.8	575733.890
Ti	47	1	He	0.023501	34.4	15.333
V	51	1	He	0.103007	31.2	-484.440
Cr	52	1	He	0.046761	5.5	1240.050
Mn	55	1	He	1.299646	0.3	15288.487
Fe	56	1	He	0.876843	4.8	28757.463
Co	59	1	He	0.039843	11.5	948.693
Ni	60	1	He	-0.019015		765.353
Cu	63	1	He	0.297797	5.7	4305.197
Zn	66	1	He	6.194335	1.0	17326.373
As	75	1	He	0.095409	11.3	483.843
Se	78	2	H2	0.031901	26.6	54.333
Sr	88	1	He	18.265777	0.9	354856.517
Mo	95	1	He	0.091922	11.5	793.360
Pd	105	1	He	0.004940	76.9	96.667
Ag	107	1	He	0.207036	17.6	6014.453
Cd	111	1	He	0.011326	11.3	56.427
Sn	118	1	He	0.463919	1.5	5899.403
Sb	121	1	He	0.023316	14.2	470.010
Ba	138	1	He	6.464198	0.4	257382.367
Pt	195	1	He	0.005275	68.7	170.003
Hg	202	1	He	0.013112	31.7	176.673
Tl	205	1	He	0.028795	12.5	2333.533
Pb	206	1	He	0.135431	3.5	2585.237
Pb	207	1	He	0.141658	9.8	3158.677
Pb	208	1	He	0.139773	3.1	11423.300
Bi	209	1	He	0.010899	24.1	2240.207
Th	232	1	He	0.013256	4.4	1138.387
U	238	1	He	0.007550	18.6	720.027

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.70108790	1046612.937
Sc	45	2	H2	97.00555516	6501478.833
Ge	72	1	He	94.46186322	639640.437
Ge	72	2	H2	97.81640542	1774246.293
In	115	1	He	96.34819228	7023198.837
Tb	159	1	He	98.51978804	15952540.177
Ir	193	1	He	97.86178575	7650073.013

Sample Name	4323804_B70205Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	116SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:08:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	87.828096	4.5	64963.983
Be	9	2	H2	87.458874	3.2	55107.360
B	11	2	H2	86.236725	3.4	59939.907
Na	23	1	He	3505.327009	5.2	6253270.740
Mg	24	1	He	3497.262398	4.8	3460164.113
Al	27	1	He	2220.245870	3.8	1189186.043
Si	28	2	H2	1300.011936	4.9	5578126.667
K	39	1	He	2662.737596	4.9	4040090.253
Ca	43	1	He	9417.713252	3.7	42597.623
Ca	44	1	He	9651.019731	3.8	731001.683
Ti	47	1	He	83.821100	5.8	40673.163
V	51	1	He	89.888440	3.8	1030750.753
Cr	52	1	He	90.912198	3.9	1248562.750
Mn	55	1	He	91.048104	4.0	945171.937
Fe	56	1	He	1146.252719	4.7	14399472.333
Co	59	1	He	90.436774	5.1	1826596.330
Ni	60	1	He	90.661337	4.1	449105.197
Cu	63	1	He	92.639520	4.0	1180816.127
Zn	66	1	He	95.533317	3.9	251143.287
As	75	1	He	87.093764	3.9	187642.860
Se	78	2	H2	84.798165	0.5	93030.207
Sr	88	1	He	103.075477	2.6	1853390.230
Mo	95	1	He	90.200992	3.9	718261.913
Pd	105	1	He	88.257608	2.4	1012896.390
Ag	107	1	He	44.183631	1.8	1011788.267
Cd	111	1	He	86.618152	2.7	377075.677
Sn	118	1	He	85.922034	3.7	982036.600
Sb	121	1	He	84.883237	1.9	1266137.170
Ba	138	1	He	92.999389	3.5	3510215.883
Pt	195	1	He	87.742136	4.1	1232248.653
Hg	202	1	He	0.006820	14.5	123.333
Tl	205	1	He	44.546686	3.7	2286594.237
Pb	206	1	He	89.689948	3.5	1563308.517
Pb	207	1	He	90.102615	3.2	1312243.813
Pb	208	1	He	89.155935	3.8	6129131.760
Bi	209	1	He	92.139725	4.3	4983958.053
Th	232	1	He	88.055802	3.7	6733186.567
U	238	1	He	86.847423	3.5	6793075.733

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	89.94975373	983714.793
Sc	45	2	H2	92.55069314	6202906.333
Ge	72	1	He	89.95715159	609137.167
Ge	72	2	H2	93.43442014	1694763.500
In	115	1	He	89.26516337	6506888.990
Tb	159	1	He	93.53204535	15144913.940
Ir	193	1	He	91.82663624	7178291.980

Sample Name	4323805_B70205Dx100
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	117SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:11:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.102968	25.9	144.667
Be	9	2	H2	0.039013	21.4	31.667
B	11	2	H2	1.007774	19.3	3633.743
Na	23	1	He	252.652055	0.2	490162.287
Mg	24	1	He	252.484924	0.9	266027.853
Al	27	1	He	4.369934	4.2	2704.203
Si	28	2	H2	38.994701	5.2	184628.260
K	39	1	He	94.317756	2.4	272549.350
Ca	43	1	He	1417.146057	1.2	6751.557
Ca	44	1	He	1460.152518	0.6	116495.967
Ti	47	1	He	0.016058	92.8	11.333
V	51	1	He	0.045922	173.0	-1168.990
Cr	52	1	He	0.030595	12.4	991.363
Mn	55	1	He	0.213331	2.5	3247.633
Fe	56	1	He	0.299460	2.4	20780.620
Co	59	1	He	0.010125	16.0	314.667
Ni	60	1	He	-0.095305		365.340
Cu	63	1	He	0.115582	3.4	1847.437
Zn	66	1	He	1.251900	3.1	3646.383
As	75	1	He	0.010503	68.7	289.167
Se	78	2	H2	0.010038	71.6	28.667
Sr	88	1	He	3.724136	2.0	71446.130
Mo	95	1	He	0.026931	17.4	246.670
Pd	105	1	He	0.005334	70.4	100.000
Ag	107	1	He	0.187420	22.1	5444.267
Cd	111	1	He	0.010113	47.0	49.923
Sn	118	1	He	0.199369	2.6	2595.217
Sb	121	1	He	0.010403	4.5	258.337
Ba	138	1	He	1.318100	2.4	52225.520
Pt	195	1	He	0.005343	20.6	170.000
Hg	202	1	He	0.007894	40.9	136.667
Tl	205	1	He	0.045986	19.6	3240.363
Pb	206	1	He	0.036069	21.4	755.027
Pb	207	1	He	0.031221	16.8	1453.420
Pb	208	1	He	0.034486	5.4	3766.870
Bi	209	1	He	0.003412	80.7	1800.143
Th	232	1	He	0.008143	8.1	718.357
U	238	1	He	0.004439	16.6	458.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.52483768	1033749.147
Sc	45	2	H2	95.60080153	6407329.833
Ge	72	1	He	93.59534659	633772.893
Ge	72	2	H2	96.08857165	1742905.920
In	115	1	He	94.91312720	6918591.297
Tb	159	1	He	97.81864627	15839009.763
Ir	193	1	He	97.48180737	7620369.260

Sample Name	10607436004_B70205Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	118SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:15:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.808999	3.6	2737.867
Be	9	2	H2	0.053948	20.1	38.167
B	11	2	H2	27.128251	8.0	19814.220
Na	23	1	He	41976.85281	0.5	75906505.537
Mg	24	1	He	40392.53735	1.1	40566484.397
Al	27	1	He	591.916164	0.5	322180.553
Si	28	2	H2	6273.567469	7.0	25586334.667
K	39	1	He	13617.05151	0.2	20488185.527
Ca	43	1	He	228230.5424	0.1	1048251.353
Ca	44	1	He	228856.0994	1.3	17601500.440
Ti	47	1	He	0.188401	16.6	96.000
V	51	1	He	2.568814	6.1	28310.630
Cr	52	1	He	0.980720	6.9	14208.933
Mn	55	1	He	46.530659	0.4	491072.227
Fe	56	1	He	10.793249	0.7	153848.650
Co	59	1	He	1.238757	0.8	24492.583
Ni	60	1	He	2.530018	1.6	12996.030
Cu	63	1	He	6.101134	0.9	76085.050
Zn	66	1	He	6.575195	2.0	17041.423
As	75	1	He	3.171392	1.4	6899.833
Se	78	2	H2	0.792425	2.8	841.353
Sr	88	1	He	637.522002	0.5	11302559.830
Mo	95	1	He	2.976430	1.9	23122.063
Pd	105	1	He	0.103234	13.2	1200.063
Ag	107	1	He	0.054770	6.9	2055.147
Cd	111	1	He	0.066024	10.4	286.407
Sn	118	1	He	0.111929	3.5	1420.073
Sb	121	1	He	0.579236	2.6	8605.587
Ba	138	1	He	216.963243	0.7	8195747.583
Pt	195	1	He	0.009402	47.6	220.007
Hg	202	1	He	0.023811	45.6	243.340
Tl	205	1	He	0.067429	5.0	4198.937
Pb	206	1	He	0.051086	3.8	983.377
Pb	207	1	He	0.038188	21.6	1491.750
Pb	208	1	He	0.046909	7.5	4456.937
Bi	209	1	He	0.007587	38.4	1946.830
Th	232	1	He	0.008257	7.6	683.353
U	238	1	He	0.041728	6.5	3340.387

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.26499284	998098.603
Sc	45	2	H2	88.06320488	5902147.167
Ge	72	1	He	87.60662696	593220.790
Ge	72	2	H2	88.71261047	1609116.790
In	115	1	He	87.97889193	6413127.603
Tb	159	1	He	93.52833989	15144313.943
Ir	193	1	He	91.57779460	7158839.477

Sample Name	10607436004_B70205Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	119SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:18:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.250966	4.6	256.000
Be	9	2	H2	0.023888	10.5	21.667
B	11	2	H2	1.490391	25.0	3950.490
Na	23	1	He	2151.100099	2.7	3936809.523
Mg	24	1	He	2110.222991	2.5	2139640.073
Al	27	1	He	31.130814	2.9	17304.040
Si	28	2	H2	336.611422	4.6	1493907.957
K	39	1	He	724.940277	2.8	1216031.673
Ca	43	1	He	11593.67671	3.0	53682.287
Ca	44	1	He	11907.26174	2.5	923378.877
Ti	47	1	He	0.035497	19.9	20.667
V	51	1	He	0.119343	59.7	-286.227
Cr	52	1	He	0.056098	10.0	1322.720
Mn	55	1	He	2.359446	2.6	25951.903
Fe	56	1	He	0.604996	7.5	24152.763
Co	59	1	He	0.064174	3.5	1406.727
Ni	60	1	He	0.014809	84.3	902.693
Cu	63	1	He	0.765807	3.5	10148.887
Zn	66	1	He	1.547918	5.3	4315.870
As	75	1	He	0.158296	6.2	601.010
Se	78	2	H2	0.044259	18.0	67.000
Sr	88	1	He	31.228692	2.2	581737.737
Mo	95	1	He	0.154942	8.7	1266.727
Pd	105	1	He	0.010653	45.3	160.003
Ag	107	1	He	0.018555	48.3	1298.397
Cd	111	1	He	0.004377	50.0	22.953
Sn	118	1	He	0.124654	12.8	1645.097
Sb	121	1	He	0.030083	10.0	555.017
Ba	138	1	He	10.942412	2.4	423424.357
Pt	195	1	He	0.003262	57.6	136.667
Hg	202	1	He	0.005882	117.5	120.003
Tl	205	1	He	0.000887	75.8	800.030
Pb	206	1	He	0.303554	5.8	5514.337
Pb	207	1	He	0.321387	6.8	5751.103
Pb	208	1	He	0.311492	0.9	23206.690
Bi	209	1	He	0.002420	99.4	1706.803
Th	232	1	He	0.001777	45.1	196.670
U	238	1	He	0.002562	12.1	295.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.03819035	1006554.500
Sc	45	2	H2	95.14989544	6377109.333
Ge	72	1	He	90.70942522	614231.123
Ge	72	2	H2	95.74925244	1736751.167
In	115	1	He	92.43654072	6738063.163
Tb	159	1	He	95.80170023	15512421.437
Ir	193	1	He	95.26335896	7446948.223

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	120_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:22:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	84.223470	5.4	61409.840
Be	9	2	H2	84.102949	4.2	52243.080
B	11	2	H2	82.179231	4.7	56439.103
Na	23	1	He	2063.816924	0.8	3757307.443
Mg	24	1	He	2061.273025	0.4	2078680.127
Al	27	1	He	2013.307907	0.7	1098098.790
Si	28	2	H2	1024.286914	5.5	4334461.333
K	39	1	He	2028.870836	0.5	3164621.727
Ca	43	1	He	2009.361700	1.9	9262.040
Ca	44	1	He	2005.958061	0.5	154854.940
Ti	47	1	He	77.134784	1.4	38133.707
V	51	1	He	82.295672	1.5	960793.320
Cr	52	1	He	83.172473	0.7	1163261.707
Mn	55	1	He	84.215825	0.7	890352.083
Fe	56	1	He	1047.366849	0.7	13402800.667
Co	59	1	He	84.443946	0.7	1725382.710
Ni	60	1	He	85.117103	0.9	426493.720
Cu	63	1	He	87.285496	0.8	1125219.877
Zn	66	1	He	82.743415	0.2	220006.280
As	75	1	He	79.540407	0.1	173327.947
Se	78	2	H2	79.845186	1.1	86229.850
Sr	88	1	He	76.310874	0.3	1403794.197
Mo	95	1	He	82.601649	0.5	665170.930
Pd	105	1	He	80.030346	1.4	939531.653
Ag	107	1	He	40.452759	4.8	947109.857
Cd	111	1	He	79.991144	1.3	356239.080
Sn	118	1	He	79.556826	0.9	930415.197
Sb	121	1	He	76.447070	0.9	1166376.157
Ba	138	1	He	78.639239	1.0	3042278.077
Pt	195	1	He	80.463821	1.3	1158438.447
Hg	202	1	He	3.601276	3.4	26221.680
Tl	205	1	He	40.182685	1.2	2114182.417
Pb	206	1	He	81.399674	1.5	1454196.020
Pb	207	1	He	84.852583	1.4	1266600.840
Pb	208	1	He	82.509038	1.1	5814259.313
Bi	209	1	He	84.199317	0.9	4669237.640
Th	232	1	He	79.299864	0.2	6281184.490
U	238	1	He	77.132434	0.7	6249099.907

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.49920219	1000659.980
Sc	45	2	H2	91.26402312	6116671.500
Ge	72	1	He	90.87656460	615362.893
Ge	72	2	H2	91.98556167	1668483.330
In	115	1	He	91.27415965	6653332.633
Tb	159	1	He	95.78155166	15509158.937
Ir	193	1	He	95.04492028	7429872.387

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	121_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:26:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.075518	22.5	117.333
Be	9	2	H2	0.029076	2.8	23.833
B	11	2	H2	0.855961	44.4	3350.360
Na	23	1	He	4.081404	5.0	23131.197
Mg	24	1	He	-2.237471		1011.703
Al	27	1	He	0.187901	67.6	326.003
Si	28	2	H2	-0.061810		11306.933
K	39	1	He	8.336838	5.4	130464.180
Ca	43	1	He	2.107319	90.7	18.977
Ca	44	1	He	2.212497	52.7	332.597
Ti	47	1	He	0.006416	173.6	6.000
V	51	1	He	0.057716	111.6	-962.193
Cr	52	1	He	0.002399	149.8	546.677
Mn	55	1	He	-0.065458		192.667
Fe	56	1	He	-0.075489		14819.423
Co	59	1	He	-0.000153		92.667
Ni	60	1	He	-0.126176		194.000
Cu	63	1	He	0.009207	23.9	409.343
Zn	66	1	He	0.018793	87.9	256.667
As	75	1	He	-0.003368		242.833
Se	78	2	H2	0.002873	209.8	19.667
Sr	88	1	He	0.002386	38.8	255.003
Mo	95	1	He	0.009803	43.4	98.333
Pd	105	1	He	0.006925	49.9	113.333
Ag	107	1	He	0.192563	16.0	5285.873
Cd	111	1	He	0.003100	41.7	16.637
Sn	118	1	He	0.033174	10.2	545.013
Sb	121	1	He	0.003181	124.2	136.667
Ba	138	1	He	0.009251	26.4	495.010
Pt	195	1	He	0.004286	89.4	146.670
Hg	202	1	He	0.032052	42.0	300.007
Tl	205	1	He	0.044145	17.7	2978.647
Pb	206	1	He	0.006754	51.4	208.337
Pb	207	1	He	0.000435	1022.7	933.370
Pb	208	1	He	0.005972	25.8	1625.050
Bi	209	1	He	0.003643	67.9	1716.803
Th	232	1	He	0.005081	7.9	448.343
U	238	1	He	0.001886	34.1	235.000

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.49006013	967751.190
Sc	45	2	H2	90.75227855	6082373.500
Ge	72	1	He	87.99230512	595832.377
Ge	72	2	H2	91.62518748	1661946.670
In	115	1	He	90.05686600	6564599.310
Tb	159	1	He	92.66430350	15004407.277
Ir	193	1	He	92.99866381	7269911.977

Sample Name	4322831_B70209Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	122SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:29:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.045797	36.6	100.167
Be	9	2	H2	0.026108	34.5	23.000
B	11	2	H2	0.056553	335.3	2960.290
Na	23	1	He	4.705374	1.9	25317.353
Mg	24	1	He	0.173104	32.5	3510.367
Al	27	1	He	2.471324	3.0	1599.407
Si	28	2	H2	1.427609	17.0	18349.137
K	39	1	He	5.316563	17.4	131771.587
Ca	43	1	He	8.955677	12.7	51.697
Ca	44	1	He	9.939003	8.9	949.970
Ti	47	1	He	0.059252	28.5	32.667
V	51	1	He	0.034578	362.1	-1273.753
Cr	52	1	He	0.284902	3.2	4563.253
Mn	55	1	He	-0.022742		657.347
Fe	56	1	He	2.454818	0.7	48175.820
Co	59	1	He	0.003296	59.7	165.333
Ni	60	1	He	-0.103177		314.000
Cu	63	1	He	0.018589	14.6	541.343
Zn	66	1	He	1.339596	3.4	3757.737
As	75	1	He	-0.001389		253.833
Se	78	2	H2	0.010151	37.4	28.333
Sr	88	1	He	0.016116	14.1	525.013
Mo	95	1	He	0.007151	39.8	80.000
Pd	105	1	He	0.003775	37.4	80.000
Ag	107	1	He	0.037469	19.4	1775.107
Cd	111	1	He	0.006609	94.3	33.310
Sn	118	1	He	0.079856	7.3	1128.380
Sb	121	1	He	0.022610	10.0	446.677
Ba	138	1	He	0.010786	26.7	575.017
Pt	195	1	He	0.009633	38.6	230.007
Hg	202	1	He	0.019580	36.1	220.007
Tl	205	1	He	0.006815	15.0	1120.053
Pb	206	1	He	0.009914	39.0	273.337
Pb	207	1	He	0.011472	46.8	1136.720
Pb	208	1	He	0.010596	16.9	2018.410
Bi	209	1	He	0.003696	93.1	1790.150
Th	232	1	He	0.003201	14.5	316.673
U	238	1	He	0.001073	22.1	178.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.48275661	1011416.397
Sc	45	2	H2	94.81757529	6354836.667
Ge	72	1	He	90.49237309	612761.373
Ge	72	2	H2	94.58854018	1715697.547
In	115	1	He	93.78407414	6836290.177
Tb	159	1	He	96.44863901	15617175.183
Ir	193	1	He	97.31457516	7607296.347

Sample Name	4322832_B70209Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	123SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:33:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	113.470669	10.5	77001.003
Be	9	2	H2	113.034961	10.4	65373.397
B	11	2	H2	110.833756	8.7	70081.460
Na	23	1	He	2119.019028	0.3	3814780.983
Mg	24	1	He	2101.195233	0.9	2095501.947
Al	27	1	He	2057.631509	0.3	1109884.420
Si	28	2	H2	561.736277	8.6	2221516.043
K	39	1	He	2095.816425	0.3	3228929.637
Ca	43	1	He	2079.905116	0.9	9481.400
Ca	44	1	He	2049.291107	1.5	156441.223
Ti	47	1	He	96.592335	0.9	47226.837
V	51	1	He	104.836014	0.7	1210900.967
Cr	52	1	He	106.569785	0.5	1473901.710
Mn	55	1	He	105.337494	0.3	1101143.293
Fe	56	1	He	2135.838671	0.6	27013390.000
Co	59	1	He	108.046631	1.3	2196053.333
Ni	60	1	He	108.475525	0.5	540448.373
Cu	63	1	He	108.503230	0.5	1391314.667
Zn	66	1	He	106.392660	0.4	281344.060
As	75	1	He	102.976023	0.8	223143.000
Se	78	2	H2	110.612466	12.4	110738.093
Sr	88	1	He	100.058494	1.4	1798708.827
Mo	95	1	He	105.517716	0.2	845269.260
Pd	105	1	He	21.112672	0.9	242255.147
Ag	107	1	He	50.029028	3.3	1144796.260
Cd	111	1	He	103.200740	0.6	449167.220
Sn	118	1	He	99.582710	1.1	1138150.557
Sb	121	1	He	99.499737	0.9	1483561.330
Ba	138	1	He	101.298915	1.6	3850166.090
Pt	195	1	He	20.789882	1.0	294142.450
Hg	202	1	He	0.021230	16.8	226.673
Tl	205	1	He	106.432188	1.6	5500723.043
Pb	206	1	He	107.875677	1.7	1893385.703
Pb	207	1	He	106.836130	2.4	1566498.413
Pb	208	1	He	106.760180	1.9	7390873.640
Bi	209	1	He	107.694321	1.1	5867221.163
Th	232	1	He	104.432941	0.9	8211670.087
U	238	1	He	99.884210	1.2	8033477.383

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.48731118	989593.667
Sc	45	2	H2	85.84774885	5753663.500
Ge	72	1	He	90.40127937	612144.540
Ge	72	2	H2	86.11634695	1562024.373
In	115	1	He	89.19846093	6502026.787
Tb	159	1	He	94.10636952	15237909.770
Ir	193	1	He	94.35645644	7376053.640

Sample Name	92603477004_B70209Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	124SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:36:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.427048	6.0	380.000
Be	9	2	H2	0.027442	20.3	23.333
B	11	2	H2	41.287488	5.5	30244.870
Na	23	1	He	9445.377178	0.8	16965697.250
Mg	24	1	He	680.027981	0.5	681109.420
Al	27	1	He	179.172519	1.0	96962.080
Si	28	2	H2	1086.616631	2.4	4670786.333
K	39	1	He	2623.756859	0.5	4016120.877
Ca	43	1	He	2041.539216	0.5	9316.610
Ca	44	1	He	2105.859750	0.1	160935.280
Ti	47	1	He	4.032179	21.7	1976.887
V	51	1	He	0.282464	16.1	1618.837
Cr	52	1	He	0.567674	0.8	8383.297
Mn	55	1	He	13.437764	0.5	141390.313
Fe	56	1	He	396.734289	0.9	5036177.833
Co	59	1	He	0.149200	6.3	3092.947
Ni	60	1	He	0.500488	6.3	3276.977
Cu	63	1	He	6.590364	0.2	83767.600
Zn	66	1	He	113.311000	0.6	296006.650
As	75	1	He	0.089544	8.5	445.010
Se	78	2	H2	0.149197	7.7	178.667
Sr	88	1	He	7.959808	1.3	147670.287
Mo	95	1	He	0.592222	6.5	4709.010
Pd	105	1	He	0.003336	76.2	73.333
Ag	107	1	He	0.280557	16.0	7471.690
Cd	111	1	He	0.035030	6.4	160.253
Sn	118	1	He	1.079939	0.5	12884.923
Sb	121	1	He	0.216879	3.1	3423.707
Ba	138	1	He	8.908369	0.8	346537.403
Pt	195	1	He	0.005543	55.4	170.003
Hg	202	1	He	0.015516	36.5	190.003
Tl	205	1	He	0.054957	32.6	3663.807
Pb	206	1	He	0.559959	0.9	10149.987
Pb	207	1	He	0.554422	4.7	9276.100
Pb	208	1	He	0.560337	1.5	40945.670
Bi	209	1	He	1.633181	1.6	92594.360
Th	232	1	He	0.011914	17.7	1015.063
U	238	1	He	0.013249	6.6	1180.057

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.58501146	990662.143
Sc	45	2	H2	92.72913530	6214865.833
Ge	72	1	He	89.30908759	604748.857
Ge	72	2	H2	92.42969898	1676539.330
In	115	1	He	91.93508949	6701510.410
Tb	159	1	He	96.27419051	15588928.100
Ir	193	1	He	96.65940849	7556080.513

Sample Name	4323874_B70209Dx25
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	125SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:40:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.113998	22.2	145.000
Be	9	2	H2	0.023196	16.3	20.167
B	11	2	H2	8.628603	9.0	8382.040
Na	23	1	He	1901.752571	1.1	3389846.720
Mg	24	1	He	137.988154	1.5	139205.970
Al	27	1	He	36.562210	1.9	19742.830
Si	28	2	H2	215.417219	5.2	913941.313
K	39	1	He	542.439793	1.0	915863.607
Ca	43	1	He	423.323256	1.4	1917.447
Ca	44	1	He	425.224013	1.8	32262.033
Ti	47	1	He	1.024398	13.3	498.707
V	51	1	He	0.170203	25.2	317.043
Cr	52	1	He	0.101226	5.0	1905.443
Mn	55	1	He	2.628223	2.2	28039.690
Fe	56	1	He	80.684504	1.0	1025229.647
Co	59	1	He	0.030781	8.5	708.017
Ni	60	1	He	0.005606	187.2	836.020
Cu	63	1	He	1.319434	0.8	16840.573
Zn	66	1	He	22.647300	1.4	58740.933
As	75	1	He	0.004649	179.0	260.833
Se	78	2	H2	0.037146	17.8	56.333
Sr	88	1	He	1.580369	1.2	29317.900
Mo	95	1	He	0.123305	15.8	988.370
Pd	105	1	He	0.003101	47.6	70.000
Ag	107	1	He	0.066963	5.8	2420.190
Cd	111	1	He	0.008221	62.4	39.703
Sn	118	1	He	0.296641	9.4	3637.100
Sb	121	1	He	0.048457	2.6	830.030
Ba	138	1	He	1.775260	1.2	67579.397
Pt	195	1	He	0.006543	52.0	180.003
Hg	202	1	He	0.005333	83.2	113.333
Tl	205	1	He	0.002935	22.2	891.703
Pb	206	1	He	0.117660	3.5	2156.837
Pb	207	1	He	0.116817	9.1	2651.910
Pb	208	1	He	0.116490	0.2	9294.410
Bi	209	1	He	0.333399	1.4	19692.427
Th	232	1	He	0.004124	9.7	378.343
U	238	1	He	0.003365	14.3	356.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	89.55093372	979353.190
Sc	45	2	H2	90.59534931	6071855.833
Ge	72	1	He	88.42106191	598735.667
Ge	72	2	H2	91.27816588	1655652.207
In	115	1	He	91.38500147	6661412.330
Tb	159	1	He	94.04994069	15228772.690
Ir	193	1	He	94.16019904	7360711.763

Sample Name	4322833_B70209Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	126SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:43:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	23.640465	3.5	17368.320
Be	9	2	H2	23.307895	4.1	14557.790
B	11	2	H2	65.966153	4.7	46100.920
Na	23	1	He	10139.40111	1.4	18420379.727
Mg	24	1	He	1173.664931	1.5	1186648.993
Al	27	1	He	660.108331	0.6	360711.173
Si	28	2	H2	1271.778418	7.0	5409150.000
K	39	1	He	3142.169749	0.8	4840859.200
Ca	43	1	He	2568.516942	1.5	11853.727
Ca	44	1	He	2630.899602	0.8	203331.510
Ti	47	1	He	23.879135	1.7	11823.917
V	51	1	He	23.778382	1.7	276815.683
Cr	52	1	He	24.033790	0.7	337008.967
Mn	55	1	He	37.190594	1.1	394245.187
Fe	56	1	He	857.646574	1.2	10993304.000
Co	59	1	He	24.507071	0.7	497386.530
Ni	60	1	He	24.924398	0.6	124616.663
Cu	63	1	He	31.423517	0.1	402519.627
Zn	66	1	He	141.101123	0.2	372467.790
As	75	1	He	22.792109	0.1	49512.287
Se	78	2	H2	22.405823	1.9	24137.333
Sr	88	1	He	30.379572	0.5	558183.493
Mo	95	1	He	24.037275	1.2	192265.127
Pd	105	1	He	2.765764	2.3	32454.497
Ag	107	1	He	10.465001	3.8	245357.430
Cd	111	1	He	22.641476	1.0	100695.763
Sn	118	1	He	17.626361	0.8	205971.803
Sb	121	1	He	21.572411	1.0	328745.023
Ba	138	1	He	32.622753	1.4	1257219.253
Pt	195	1	He	4.338624	0.4	62303.717
Hg	202	1	He	0.024010	30.2	250.010
Tl	205	1	He	22.742115	2.0	1192225.113
Pb	206	1	He	23.883165	1.7	425068.353
Pb	207	1	He	23.936982	1.8	356596.570
Pb	208	1	He	23.752446	1.3	1668155.273
Bi	209	1	He	25.836093	1.1	1428228.783
Th	232	1	He	4.080656	7.8	325480.067
U	238	1	He	21.336790	1.9	1740263.207

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.63092748	1002100.563
Sc	45	2	H2	91.70400489	6146159.833
Ge	72	1	He	90.25907619	611181.623
Ge	72	2	H2	91.70845605	1663457.040
In	115	1	He	91.14234214	6643723.937
Tb	159	1	He	95.40591858	15448335.603
Ir	193	1	He	95.68604744	7479990.720

Sample Name	4322834_B70209Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	127SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:47:32
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	21.119119	4.9	15543.567
Be	9	2	H2	20.803346	4.1	13008.990
B	11	2	H2	58.700326	2.7	41373.013
Na	23	1	He	9232.740128	1.2	16718018.083
Mg	24	1	He	1051.847663	0.7	1060244.230
Al	27	1	He	579.988438	0.7	315883.800
Si	28	2	H2	1096.189574	4.1	4666927.167
K	39	1	He	2842.272810	1.3	4375530.143
Ca	43	1	He	2334.045227	1.0	10736.213
Ca	44	1	He	2375.411275	1.1	182983.917
Ti	47	1	He	23.283555	6.0	11488.093
V	51	1	He	21.323617	1.7	247220.683
Cr	52	1	He	21.644355	0.5	302520.893
Mn	55	1	He	33.480697	0.7	353802.810
Fe	56	1	He	765.013443	0.9	9774584.000
Co	59	1	He	21.866109	0.7	442555.353
Ni	60	1	He	22.305883	0.8	111298.600
Cu	63	1	He	28.295409	1.1	361443.957
Zn	66	1	He	127.727734	0.6	336237.260
As	75	1	He	20.544302	1.2	44526.400
Se	78	2	H2	20.001846	1.0	21743.920
Sr	88	1	He	27.192817	0.4	503289.300
Mo	95	1	He	21.599148	1.3	172273.363
Pd	105	1	He	2.064977	0.4	24417.747
Ag	107	1	He	9.564138	3.7	225930.463
Cd	111	1	He	19.866140	1.6	88996.813
Sn	118	1	He	16.004391	2.0	188394.450
Sb	121	1	He	19.065302	1.3	292652.577
Ba	138	1	He	28.786051	0.7	1111532.977
Pt	195	1	He	3.798567	1.7	54659.483
Hg	202	1	He	0.061653	9.3	523.353
Tl	205	1	He	20.472455	0.7	1075444.123
Pb	206	1	He	21.332258	1.9	380385.957
Pb	207	1	He	21.139989	1.4	315635.263
Pb	208	1	He	21.113421	1.2	1485787.903
Bi	209	1	He	22.562327	0.9	1249915.660
Th	232	1	He	3.845865	8.1	305590.703
U	238	1	He	19.241373	0.3	1564207.630

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.31965438	998696.397
Sc	45	2	H2	91.82987205	6154595.667
Ge	72	1	He	90.00637222	609470.460
Ge	72	2	H2	92.53850526	1678512.917
In	115	1	He	91.80736642	6692200.173
Tb	159	1	He	95.59487507	15478931.853
Ir	193	1	He	95.36422062	7454832.803

Sample Name	92603477005_B70209Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	128SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:51:07
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.220184	3.2	959.360
Be	9	2	H2	0.020123	21.1	18.500
B	11	2	H2	203.937189	4.8	137064.447
Na	23	1	He	43903.65024	0.8	79442880.483
Mg	24	1	He	2032.429747	0.5	2045763.357
Al	27	1	He	71.765430	2.4	39294.360
Si	28	2	H2	4472.085792	5.9	19051599.333
K	39	1	He	10157.85569	0.9	15324534.770
Ca	43	1	He	7993.743050	1.1	36748.327
Ca	44	1	He	8213.571420	0.7	632321.773
Ti	47	1	He	2.081263	61.5	1031.927
V	51	1	He	0.383355	42.8	2808.710
Cr	52	1	He	0.544207	3.6	8123.833
Mn	55	1	He	43.114877	0.4	455393.447
Fe	56	1	He	83.275508	1.4	1078653.667
Co	59	1	He	0.366320	1.5	7505.587
Ni	60	1	He	1.127043	3.3	6399.827
Cu	63	1	He	2.020048	1.2	26066.187
Zn	66	1	He	78.362827	1.1	206227.990
As	75	1	He	0.142226	2.1	561.677
Se	78	2	H2	0.111991	5.7	139.000
Sr	88	1	He	31.391889	0.8	575957.010
Mo	95	1	He	0.688775	3.9	5512.583
Pd	105	1	He	0.002550	83.4	63.333
Ag	107	1	He	0.142011	12.8	4160.550
Cd	111	1	He	0.000824	209.9	6.680
Sn	118	1	He	0.443500	7.1	5334.220
Sb	121	1	He	0.368654	3.2	5697.680
Ba	138	1	He	11.304710	1.0	434387.523
Pt	195	1	He	0.009675	67.2	226.677
Hg	202	1	He	0.008415	20.9	136.667
Tl	205	1	He	0.034665	30.5	2556.900
Pb	206	1	He	0.182902	18.5	3338.233
Pb	207	1	He	0.152694	7.4	3213.687
Pb	208	1	He	0.157879	5.7	12294.680
Bi	209	1	He	0.215780	3.4	13439.280
Th	232	1	He	0.006914	17.5	598.353
U	238	1	He	0.004028	15.8	410.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.32603956	998766.227
Sc	45	2	H2	91.97245270	6164151.667
Ge	72	1	He	89.95052422	609092.290
Ge	72	2	H2	92.96797545	1686302.877
In	115	1	He	91.01565117	6634488.933
Tb	159	1	He	95.10830908	15400146.020
Ir	193	1	He	94.30602292	7372111.140

Sample Name	92603492004_B70209Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	129SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:54:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.356405	13.0	330.333
Be	9	2	H2	0.017269	28.0	17.000
B	11	2	H2	39.468485	5.6	29256.710
Na	23	1	He	11928.60007	1.3	21848996.343
Mg	24	1	He	709.242290	0.3	724447.747
Al	27	1	He	207.633292	1.4	114564.317
Si	28	2	H2	1094.923086	5.3	4743411.833
K	39	1	He	2639.147165	1.0	4119556.397
Ca	43	1	He	2382.824773	1.5	11089.057
Ca	44	1	He	2408.197728	1.8	187678.157
Ti	47	1	He	2.655611	18.4	1329.450
V	51	1	He	0.366435	29.8	2636.803
Cr	52	1	He	0.640181	3.2	9573.210
Mn	55	1	He	15.455411	0.9	165731.007
Fe	56	1	He	307.390807	1.2	3983570.917
Co	59	1	He	0.139692	1.1	2952.917
Ni	60	1	He	0.579684	3.5	3730.403
Cu	63	1	He	11.707975	1.3	151185.033
Zn	66	1	He	66.636434	1.2	177214.863
As	75	1	He	0.092997	7.9	460.343
Se	78	2	H2	0.121438	3.4	151.000
Sr	88	1	He	9.675354	0.4	182137.777
Mo	95	1	He	0.603845	3.6	4885.727
Pd	105	1	He	0.000758	168.5	43.333
Ag	107	1	He	0.101157	5.5	3288.677
Cd	111	1	He	0.045499	12.4	210.200
Sn	118	1	He	1.134568	3.4	13728.927
Sb	121	1	He	0.199104	0.8	3197.000
Ba	138	1	He	8.525613	1.5	334404.537
Pt	195	1	He	0.004777	68.8	160.003
Hg	202	1	He	0.013885	24.1	180.003
Tl	205	1	He	0.011807	39.2	1393.410
Pb	206	1	He	0.510348	4.6	9332.797
Pb	207	1	He	0.525740	3.0	8919.233
Pb	208	1	He	0.513668	3.5	37945.907
Bi	209	1	He	1.984000	1.8	113057.603
Th	232	1	He	0.004047	9.8	381.677
U	238	1	He	0.029089	6.2	2480.223

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.39692783	1010477.750
Sc	45	2	H2	93.43712970	6262316.833
Ge	72	1	He	90.87663549	615363.373
Ge	72	2	H2	93.99799469	1704985.917
In	115	1	He	93.30622881	6801458.150
Tb	159	1	He	97.07905751	15719253.930
Ir	193	1	He	96.52714176	7545740.930

Sample Name	92603492005_B70209Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	130SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 17:58:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.657016	3.9	4221.143
Be	9	2	H2	0.014751	20.4	15.167
B	11	2	H2	235.973223	5.8	158345.233
Na	23	1	He	77910.84836	1.1	142598654.540
Mg	24	1	He	14593.46623	0.3	14839586.447
Al	27	1	He	97.339525	2.9	53824.853
Si	28	2	H2	5339.258814	8.1	22776978.667
K	39	1	He	16384.26263	0.5	24929586.297
Ca	43	1	He	15233.57389	0.8	70836.033
Ca	44	1	He	15483.96125	1.1	1205690.037
Ti	47	1	He	2.714113	13.0	1356.753
V	51	1	He	1.688495	3.3	18258.883
Cr	52	1	He	2.251160	1.2	32311.350
Mn	55	1	He	33.200177	0.7	354956.843
Fe	56	1	He	248.712209	0.6	3226081.000
Co	59	1	He	0.584836	2.5	11930.640
Ni	60	1	He	3.963179	1.1	20452.250
Cu	63	1	He	13.785749	1.1	176267.440
Zn	66	1	He	159.221969	0.6	419121.363
As	75	1	He	1.301454	0.9	3060.267
Se	78	2	H2	0.353097	7.8	404.010
Sr	88	1	He	55.387747	0.6	996986.963
Mo	95	1	He	2.175611	3.4	17368.710
Pd	105	1	He	0.014833	28.9	203.340
Ag	107	1	He	0.041107	7.9	1773.440
Cd	111	1	He	0.050147	5.7	221.453
Sn	118	1	He	0.621080	3.1	7266.607
Sb	121	1	He	1.180939	2.8	17717.657
Ba	138	1	He	7.485382	0.9	287294.423
Pt	195	1	He	0.013637	15.1	283.343
Hg	202	1	He	0.015833	31.2	190.010
Tl	205	1	He	0.000532	157.7	775.027
Pb	206	1	He	0.228753	2.6	4145.580
Pb	207	1	He	0.232394	7.0	4387.317
Pb	208	1	He	0.232436	1.4	17485.487
Bi	209	1	He	1.301588	1.5	73110.937
Th	232	1	He	0.008080	11.7	683.360
U	238	1	He	0.038366	3.8	3138.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.38955573	1010397.127
Sc	45	2	H2	92.06952323	6170657.500
Ge	72	1	He	90.01506957	609529.353
Ge	72	2	H2	93.42744126	1694636.913
In	115	1	He	89.30755743	6509979.260
Tb	159	1	He	94.97437386	15378458.937
Ir	193	1	He	93.36241465	7298347.187

Sample Name	92603407002_B70209Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	131SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:02:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.228127	2.3	238.167
Be	9	2	H2	0.007733	107.9	11.167
B	11	2	H2	9.330272	5.8	9262.470
Na	23	1	He	30813.33009	0.8	57806020.807
Mg	24	1	He	800.358113	1.6	837155.693
Al	27	1	He	18.068154	3.1	10436.000
Si	28	2	H2	647.374081	4.6	2855121.167
K	39	1	He	3470.521759	1.2	5510918.460
Ca	43	1	He	2278.566414	1.1	10865.963
Ca	44	1	He	2356.650549	2.1	188190.110
Ti	47	1	He	1.808272	98.3	933.300
V	51	1	He	-0.003223		-1768.810
Cr	52	1	He	0.659914	1.2	10095.503
Mn	55	1	He	5.705763	1.6	63271.203
Fe	56	1	He	347.898154	0.8	4617570.833
Co	59	1	He	0.038588	8.1	904.693
Ni	60	1	He	0.368886	3.0	2728.883
Cu	63	1	He	10.763969	0.8	141763.510
Zn	66	1	He	95.730751	0.5	259518.347
As	75	1	He	0.048295	15.6	370.167
Se	78	2	H2	0.106570	21.6	136.333
Sr	88	1	He	11.285728	0.6	213789.010
Mo	95	1	He	0.156131	7.7	1305.067
Pd	105	1	He	0.004599	65.2	90.000
Ag	107	1	He	0.138019	3.0	4197.227
Cd	111	1	He	0.007962	47.4	39.610
Sn	118	1	He	0.686822	3.1	8432.177
Sb	121	1	He	0.028842	10.7	545.017
Ba	138	1	He	8.550097	1.1	335986.467
Pt	195	1	He	0.015678	19.0	320.013
Hg	202	1	He	0.011576	70.3	163.337
Tl	205	1	He	-0.004562		521.680
Pb	206	1	He	0.493828	1.0	9052.623
Pb	207	1	He	0.470746	4.1	8102.120
Pb	208	1	He	0.475404	1.8	35283.457
Bi	209	1	He	0.155217	8.8	10336.930
Th	232	1	He	0.002270	16.5	236.667
U	238	1	He	0.002195	10.2	266.673

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.67551916	1035397.040
Sc	45	2	H2	94.93145132	6362468.833
Ge	72	1	He	92.66729383	627488.663
Ge	72	2	H2	95.33156435	1729174.917
In	115	1	He	93.90999074	6845468.733
Tb	159	1	He	97.25059568	15747029.767
Ir	193	1	He	95.61767012	7474645.513

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	132_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:05:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	80.842042	5.5	59563.667
Be	9	2	H2	80.706962	5.3	50663.873
B	11	2	H2	79.178641	3.9	55051.703
Na	23	1	He	2073.150530	1.0	3764571.507
Mg	24	1	He	2061.146189	0.9	2073230.233
Al	27	1	He	2004.203640	1.0	1090341.003
Si	28	2	H2	1002.324118	5.5	4286149.000
K	39	1	He	2050.571828	0.9	3188983.913
Ca	43	1	He	2040.561160	0.6	9382.270
Ca	44	1	He	1999.827380	0.3	153988.993
Ti	47	1	He	77.440124	0.7	38187.827
V	51	1	He	82.540486	0.8	961213.183
Cr	52	1	He	83.079595	0.8	1158997.210
Mn	55	1	He	83.890535	0.7	884655.353
Fe	56	1	He	1046.439708	0.8	13356795.000
Co	59	1	He	83.846078	0.8	1725945.210
Ni	60	1	He	84.294225	0.2	425523.303
Cu	63	1	He	85.943501	0.2	1116174.083
Zn	66	1	He	81.621561	0.3	218645.560
As	75	1	He	79.016335	0.3	173471.967
Se	78	2	H2	78.232161	2.0	84948.537
Sr	88	1	He	76.617905	0.8	1408888.363
Mo	95	1	He	81.877759	0.6	664277.490
Pd	105	1	He	80.526146	0.7	945044.727
Ag	107	1	He	40.705014	3.4	952871.157
Cd	111	1	He	79.656292	1.1	354633.200
Sn	118	1	He	78.707849	0.7	920151.833
Sb	121	1	He	75.837332	0.5	1156665.633
Ba	138	1	He	79.791554	0.9	3064953.393
Pt	195	1	He	80.572509	0.4	1151753.160
Hg	202	1	He	3.559497	0.9	25734.337
Tl	205	1	He	40.073177	0.6	2093507.727
Pb	206	1	He	81.031526	0.3	1437367.737
Pb	207	1	He	85.300353	0.5	1264268.130
Pb	208	1	He	82.634810	0.2	5781873.840
Bi	209	1	He	84.800884	1.7	4669125.033
Th	232	1	He	78.187720	0.3	6210617.407
U	238	1	He	76.558541	0.3	6220212.823

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.26637784	998113.750
Sc	45	2	H2	92.20673000	6179853.333
Ge	72	1	He	91.55490981	619956.250
Ge	72	2	H2	92.48735266	1677585.083
In	115	1	He	91.23844350	6650729.143
Tb	159	1	He	95.09979933	15398768.103
Ir	193	1	He	95.31336074	7450856.973

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	133_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:09:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.034412	29.7	91.667
Be	9	2	H2	0.020035	21.5	19.167
B	11	2	H2	0.116483	68.1	3006.973
Na	23	1	He	4.113073	5.5	24397.830
Mg	24	1	He	-2.385021		913.370
Al	27	1	He	0.308973	34.8	410.340
Si	28	2	H2	0.397327	45.6	13860.610
K	39	1	He	6.909890	3.8	135103.933
Ca	43	1	He	0.606270	106.7	12.920
Ca	44	1	He	0.942155	118.2	250.363
Ti	47	1	He	0.005757	118.9	6.000
V	51	1	He	0.057349	80.2	-1014.620
Cr	52	1	He	-0.001921		514.010
Mn	55	1	He	-0.063105		228.000
Fe	56	1	He	-0.063917		15743.537
Co	59	1	He	0.002306	74.9	147.333
Ni	60	1	He	-0.121352		226.667
Cu	63	1	He	0.008591	54.0	418.673
Zn	66	1	He	0.008291	133.1	239.333
As	75	1	He	-0.003712		252.333
Se	78	2	H2	0.012824	68.0	31.667
Sr	88	1	He	0.003519	18.8	290.007
Mo	95	1	He	0.007834	29.8	86.667
Pd	105	1	He	0.008629	1.0	140.003
Ag	107	1	He	0.226478	10.3	6387.903
Cd	111	1	He	0.006168	62.1	31.640
Sn	118	1	He	0.030839	22.3	545.013
Sb	121	1	He	0.006206	44.9	191.667
Ba	138	1	He	0.013655	12.7	688.357
Pt	195	1	He	0.005248	46.1	166.673
Hg	202	1	He	0.022636	27.3	243.340
Tl	205	1	He	0.037748	20.0	2766.930
Pb	206	1	He	0.007657	42.7	233.340
Pb	207	1	He	-0.001041		951.703
Pb	208	1	He	0.004863	27.9	1616.720
Bi	209	1	He	0.004780	23.0	1856.820
Th	232	1	He	0.010490	8.9	916.703
U	238	1	He	0.004819	27.0	495.013

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.11332840	1018312.500
Sc	45	2	H2	95.07645656	6372187.333
Ge	72	1	He	91.76494126	621378.460
Ge	72	2	H2	95.52943957	1732764.083
In	115	1	He	94.79382839	6909895.137
Tb	159	1	He	96.73827145	15664073.103
Ir	193	1	He	98.44673618	7695799.887

Sample Name	4322600_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	134SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:12:47
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.045622	14.0	98.833
Be	9	2	H2	0.014501	3.1	15.333
B	11	2	H2	0.055161	1123.6	2936.963
Na	23	1	He	3.915244	3.2	23525.037
Mg	24	1	He	0.614092	6.9	3902.123
Al	27	1	He	1.637400	8.4	1123.370
Si	28	2	H2	0.644380	41.6	14760.947
K	39	1	He	7.930304	12.9	133764.433
Ca	43	1	He	0.630915	61.6	12.760
Ca	44	1	He	1.325249	25.7	274.523
Ti	47	1	He	0.019563	47.9	12.667
V	51	1	He	-0.039146		-2120.540
Cr	52	1	He	0.050861	11.8	1238.047
Mn	55	1	He	-0.057066		286.667
Fe	56	1	He	0.727026	5.3	25483.253
Co	59	1	He	-0.000850		80.000
Ni	60	1	He	-0.115977		247.333
Cu	63	1	He	0.031357	7.5	696.687
Zn	66	1	He	0.051224	25.8	345.337
As	75	1	He	0.005546	93.5	265.667
Se	78	2	H2	0.005649	140.3	23.333
Sr	88	1	He	0.001042	275.7	238.337
Mo	95	1	He	0.002636	82.5	43.333
Pd	105	1	He	0.005793	71.9	103.337
Ag	107	1	He	0.088200	6.7	2970.287
Cd	111	1	He	0.001521	73.0	9.987
Sn	118	1	He	1.042761	4.4	12593.053
Sb	121	1	He	0.003877	40.1	151.667
Ba	138	1	He	0.004833	18.5	341.677
Pt	195	1	He	0.003471	41.9	140.000
Hg	202	1	He	0.007726	26.8	133.333
Tl	205	1	He	0.004819	70.6	1011.710
Pb	206	1	He	0.005317	27.9	190.000
Pb	207	1	He	0.001630	364.5	986.710
Pb	208	1	He	0.004784	35.1	1601.720
Bi	209	1	He	0.002501	9.4	1720.140
Th	232	1	He	0.005095	22.6	465.013
U	238	1	He	0.000264	22.0	110.000

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.14345750	996769.460
Sc	45	2	H2	93.84311254	6289526.500
Ge	72	1	He	89.39994404	605364.083
Ge	72	2	H2	94.26886607	1709899.127
In	115	1	He	93.02471887	6780937.783
Tb	159	1	He	96.22937218	15581671.017
Ir	193	1	He	96.31285528	7528989.680

Sample Name	4322601_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	135SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:16:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	55.032711	6.2	39898.187
Be	9	2	H2	54.483726	5.4	33637.087
B	11	2	H2	52.596259	6.5	36907.113
Na	23	1	He	1118.129500	4.7	1964408.253
Mg	24	1	He	1105.356760	3.8	1073424.540
Al	27	1	He	1078.617694	3.1	565945.040
Si	28	2	H2	272.973618	5.6	1156344.127
K	39	1	He	1102.496167	4.4	1707335.237
Ca	43	1	He	1075.127151	5.6	4768.370
Ca	44	1	He	1086.133450	2.5	80734.427
Ti	47	1	He	50.983968	3.1	24244.790
V	51	1	He	55.177445	3.6	618992.737
Cr	52	1	He	56.370449	3.4	758414.147
Mn	55	1	He	55.416752	3.5	563757.687
Fe	56	1	He	1120.572534	4.1	13787400.333
Co	59	1	He	57.249468	3.5	1128855.417
Ni	60	1	He	56.887354	2.6	275403.803
Cu	63	1	He	57.158461	3.5	711161.230
Zn	66	1	He	54.044344	3.5	138745.360
As	75	1	He	52.632017	3.6	110762.043
Se	78	2	H2	51.023135	1.1	55209.570
Sr	88	1	He	51.948360	2.8	926198.840
Mo	95	1	He	55.301138	3.1	429801.790
Pd	105	1	He	10.677189	2.3	121544.290
Ag	107	1	He	26.872619	2.4	610795.070
Cd	111	1	He	52.731480	1.3	227682.370
Sn	118	1	He	52.767498	2.9	598124.273
Sb	121	1	He	50.304117	1.9	744017.280
Ba	138	1	He	52.831264	2.6	1991487.003
Pt	195	1	He	10.627190	2.2	149160.190
Hg	202	1	He	3.794491	1.6	26933.070
Tl	205	1	He	54.379536	2.6	2787550.480
Pb	206	1	He	54.883815	1.4	955643.087
Pb	207	1	He	55.017115	1.9	800645.773
Pb	208	1	He	54.709330	2.5	3756914.977
Bi	209	1	He	54.859645	3.4	2964273.707
Th	232	1	He	53.323457	3.7	4146101.187
U	238	1	He	50.978232	3.6	4054346.400

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.07655809	963229.020
Sc	45	2	H2	90.70106878	6078941.333
Ge	72	1	He	87.78745132	594445.227
Ge	72	2	H2	92.14977247	1671461.873
In	115	1	He	88.51130966	6451937.627
Tb	159	1	He	93.37683706	15119782.273
Ir	193	1	He	93.35759887	7297970.727

Sample Name	10607968001_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	136SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:19:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.462417	3.6	4786.940
Be	9	2	H2	0.424863	3.8	270.667
B	11	2	H2	8.496982	5.3	8385.403
Na	23	1	He	667.504913	0.6	1188645.503
Mg	24	1	He	7517.814317	1.1	7339352.183
Al	27	1	He	5885.801589	1.0	3110950.833
Si	28	2	H2	724.622017	3.7	3079810.083
K	39	1	He	1202.312757	0.6	1865935.493
Ca	43	1	He	11566.87398	1.0	51631.100
Ca	44	1	He	11835.88989	0.9	884732.280
Ti	47	1	He	155.643813	2.0	74574.760
V	51	1	He	28.498714	1.5	321422.373
Cr	52	1	He	13.842061	1.0	188064.327
Mn	55	1	He	379.194256	0.9	3882475.083
Fe	56	1	He	13638.73744	1.2	168966714.667
Co	59	1	He	7.620048	0.6	150540.690
Ni	60	1	He	24.267374	1.3	118081.990
Cu	63	1	He	14.198475	1.5	177126.063
Zn	66	1	He	50.050504	1.0	128683.183
As	75	1	He	3.694182	1.2	8016.467
Se	78	2	H2	0.355036	5.2	399.343
Sr	88	1	He	16.390935	1.7	291896.280
Mo	95	1	He	0.408094	5.2	3196.993
Pd	105	1	He	0.047019	17.0	566.690
Ag	107	1	He	0.332415	17.0	8343.797
Cd	111	1	He	0.131378	8.3	569.053
Sn	118	1	He	1.299771	2.5	14863.210
Sb	121	1	He	0.127126	4.1	1963.470
Ba	138	1	He	106.835604	2.3	4060651.397
Pt	195	1	He	0.007668	49.1	196.673
Hg	202	1	He	0.056667	13.3	480.020
Tl	205	1	He	0.234830	2.1	12876.923
Pb	206	1	He	7.534504	2.3	132328.303
Pb	207	1	He	7.026321	2.3	103910.160
Pb	208	1	He	7.233143	2.5	501893.860
Bi	209	1	He	0.126581	1.0	8442.433
Th	232	1	He	4.194565	3.0	325713.947
U	238	1	He	0.762991	3.0	60675.670

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.68064675	969835.497
Sc	45	2	H2	91.56903371	6137113.833
Ge	72	1	He	87.81792944	594651.607
Ge	72	2	H2	91.83843274	1665814.627
In	115	1	He	88.30615839	6436983.343
Tb	159	1	He	94.11925896	15239996.857
Ir	193	1	He	93.16955781	7283271.140

Sample Name	4323797_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	137SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:23:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	95.668538	4.8	69888.373
Be	9	2	H2	89.652024	4.6	55811.653
B	11	2	H2	95.174453	6.7	65090.860
Na	23	1	He	3017.073082	3.9	5300313.673
Mg	24	1	He	10206.76076	3.7	9933865.897
Al	27	1	He	8437.583044	3.8	4446367.667
Si	28	2	H2	1898.413904	5.4	8044283.500
K	39	1	He	3567.217672	3.4	5287745.340
Ca	43	1	He	14599.45960	3.5	64976.937
Ca	44	1	He	14940.90526	3.6	1113534.260
Ti	47	1	He	255.393018	4.0	122010.697
V	51	1	He	124.340465	4.3	1403445.703
Cr	52	1	He	109.295129	4.1	1476875.917
Mn	55	1	He	493.392298	3.5	5036897.667
Fe	56	1	He	15613.46096	3.5	192868117.333
Co	59	1	He	103.453985	4.1	2028716.497
Ni	60	1	He	121.478219	3.5	583924.000
Cu	63	1	He	110.175152	3.5	1363268.043
Zn	66	1	He	144.942805	3.2	369810.303
As	75	1	He	94.477085	3.5	197572.847
Se	78	2	H2	87.187477	0.9	94331.293
Sr	88	1	He	106.663589	3.8	1863513.513
Mo	95	1	He	95.146741	3.1	735549.367
Pd	105	1	He	90.416512	2.7	1008481.857
Ag	107	1	He	47.061010	1.1	1047512.693
Cd	111	1	He	90.722522	2.9	383841.423
Sn	118	1	He	92.692780	3.3	1029726.183
Sb	121	1	He	88.838163	2.8	1287712.407
Ba	138	1	He	204.777929	3.3	7681849.470
Pt	195	1	He	90.850093	2.7	1268507.613
Hg	202	1	He	0.032164	26.4	300.010
Tl	205	1	He	46.909467	1.9	2394114.077
Pb	206	1	He	100.756135	2.6	1745774.350
Pb	207	1	He	100.689654	1.7	1457906.123
Pb	208	1	He	100.607791	2.8	6875510.837
Bi	209	1	He	93.317055	4.1	5016979.300
Th	232	1	He	95.029632	3.3	7285739.060
U	238	1	He	91.541760	3.2	7179008.433

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.50713024	967937.873
Sc	45	2	H2	91.43950853	6128432.833
Ge	72	1	He	87.32094417	591286.313
Ge	72	2	H2	92.15312427	1671522.670
In	115	1	He	86.77445376	6325331.367
Tb	159	1	He	92.95173836	15050949.360
Ir	193	1	He	92.07136824	7197423.223

Sample Name	4323798_B70201Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	138SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:27:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.231200	4.6	978.193
Be	9	2	H2	0.103535	13.9	71.667
B	11	2	H2	1.540569	26.0	3893.810
Na	23	1	He	130.820798	0.6	253642.157
Mg	24	1	He	1466.157540	0.4	1479516.383
Al	27	1	He	1137.727946	0.4	620675.480
Si	28	2	H2	132.493448	4.3	581834.147
K	39	1	He	242.621430	0.7	486230.437
Ca	43	1	He	2244.131457	0.8	10343.483
Ca	44	1	He	2319.416778	1.9	179016.927
Ti	47	1	He	29.348551	1.3	14511.137
V	51	1	He	5.564149	1.3	63406.233
Cr	52	1	He	2.707217	0.3	38379.737
Mn	55	1	He	73.913628	0.1	781574.500
Fe	56	1	He	2662.212423	0.6	34042620.000
Co	59	1	He	1.491792	1.8	30686.707
Ni	60	1	He	4.606196	0.7	23948.567
Cu	63	1	He	2.728084	1.1	35583.707
Zn	66	1	He	9.810554	0.7	26364.683
As	75	1	He	0.711347	0.8	1811.923
Se	78	2	H2	0.076410	13.3	101.333
Sr	88	1	He	3.145866	1.1	58916.627
Mo	95	1	He	0.093507	2.2	778.357
Pd	105	1	He	0.017018	19.8	236.677
Ag	107	1	He	0.208887	13.9	5821.060
Cd	111	1	He	0.034334	10.4	158.100
Sn	118	1	He	0.342793	3.3	4233.907
Sb	121	1	He	0.028901	27.0	538.350
Ba	138	1	He	20.717227	1.1	803830.923
Pt	195	1	He	0.007662	51.6	200.007
Hg	202	1	He	0.006849	95.2	126.667
Tl	205	1	He	0.090605	12.7	5531.017
Pb	206	1	He	1.484872	1.3	26692.273
Pb	207	1	He	1.391024	1.6	21768.253
Pb	208	1	He	1.416372	1.6	101329.440
Bi	209	1	He	0.029238	5.5	3203.723
Th	232	1	He	0.783242	1.4	62746.437
U	238	1	He	0.146814	1.1	12108.127

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.50132205	1000683.163
Sc	45	2	H2	93.03061470	6235071.500
Ge	72	1	He	91.19032523	617487.497
Ge	72	2	H2	94.14596235	1707669.833
In	115	1	He	92.59833447	6749856.947
Tb	159	1	He	96.04318710	15551523.520
Ir	193	1	He	96.04572342	7508107.390

Sample Name	4322602_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	139SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:30:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	58.472812	4.5	43578.003
Be	9	2	H2	51.673996	3.6	32796.280
B	11	2	H2	57.040403	5.8	40918.533
Na	23	1	He	1714.897132	0.6	3129478.183
Mg	24	1	He	8467.647058	0.8	8541379.040
Al	27	1	He	9609.397309	0.4	5248035.000
Si	28	2	H2	949.296240	3.0	4103130.583
K	39	1	He	2355.984449	0.5	3660497.550
Ca	43	1	He	12023.47033	0.4	55455.617
Ca	44	1	He	12300.82736	0.2	950111.610
Ti	47	1	He	222.863785	1.2	110340.257
V	51	1	He	93.644180	0.4	1095175.173
Cr	52	1	He	70.479835	0.4	987284.520
Mn	55	1	He	427.819336	0.3	4526085.500
Fe	56	1	He	16334.82241	0.5	209102736.000
Co	59	1	He	61.840531	0.7	1252320.247
Ni	60	1	He	78.089434	0.5	387857.803
Cu	63	1	He	67.324678	1.0	860199.583
Zn	66	1	He	100.326950	0.8	264336.460
As	75	1	He	54.204223	0.8	117144.770
Se	78	2	H2	49.296746	0.3	54088.423
Sr	88	1	He	70.096758	1.1	1256609.227
Mo	95	1	He	50.844550	1.2	405784.277
Pd	105	1	He	9.451680	2.9	108162.813
Ag	107	1	He	26.376193	2.7	602187.843
Cd	111	1	He	51.661357	1.1	224214.723
Sn	118	1	He	51.856454	0.8	591062.060
Sb	121	1	He	25.154810	0.4	374076.673
Ba	138	1	He	177.359709	0.5	6776453.647
Pt	195	1	He	10.417584	1.6	148201.687
Hg	202	1	He	3.873119	3.1	27844.587
Tl	205	1	He	53.274297	0.4	2768164.960
Pb	206	1	He	61.071140	0.3	1077582.793
Pb	207	1	He	61.073398	0.8	900645.453
Pb	208	1	He	60.898399	0.4	4238740.710
Bi	209	1	He	52.969704	0.5	2901743.810
Th	232	1	He	55.910914	0.8	4397474.620
U	238	1	He	50.474911	0.9	4060685.773

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.63418118	1002136.147
Sc	45	2	H2	93.20300907	6246625.667
Ge	72	1	He	90.07104950	609908.417
Ge	72	2	H2	93.43517599	1694777.210
In	115	1	He	88.94593759	6483619.367
Tb	159	1	He	94.59608003	15317204.770
Ir	193	1	He	94.37630049	7377604.893

Sample Name	4322603_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	140SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:34:26
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	65.089971	4.3	49006.930
Be	9	2	H2	58.096406	4.1	37260.750
B	11	2	H2	64.669455	5.5	46484.967
Na	23	1	He	1846.281003	0.3	3442348.073
Mg	24	1	He	8416.308325	0.2	8677306.953
Al	27	1	He	10541.74365	0.9	5884163.167
Si	28	2	H2	1140.621421	3.9	4981060.000
K	39	1	He	2543.751983	0.2	4029642.750
Ca	43	1	He	11773.13451	0.6	55499.867
Ca	44	1	He	12003.23798	0.5	947619.287
Ti	47	1	He	249.840746	0.6	126430.387
V	51	1	He	102.559426	0.6	1226076.907
Cr	52	1	He	77.249587	1.0	1105988.123
Mn	55	1	He	422.788568	1.0	4571547.167
Fe	56	1	He	16968.56181	0.6	222005930.667
Co	59	1	He	66.882184	0.4	1393395.873
Ni	60	1	He	85.750255	0.3	438079.010
Cu	63	1	He	74.608336	0.4	980682.207
Zn	66	1	He	110.480791	1.5	299465.480
As	75	1	He	58.713999	0.2	130521.177
Se	78	2	H2	55.696810	0.8	61954.960
Sr	88	1	He	76.032540	0.8	1390118.730
Mo	95	1	He	55.676876	0.8	457153.367
Pd	105	1	He	10.181906	2.6	118835.377
Ag	107	1	He	28.884674	3.2	672488.183
Cd	111	1	He	56.916367	1.2	251937.610
Sn	118	1	He	56.900735	1.4	661443.573
Sb	121	1	He	27.380318	2.0	415261.893
Ba	138	1	He	190.538155	1.1	7372311.973
Pt	195	1	He	11.137941	1.1	160453.113
Hg	202	1	He	4.290650	3.7	31234.153
Tl	205	1	He	57.922090	1.2	3047796.933
Pb	206	1	He	65.304072	1.9	1166880.943
Pb	207	1	He	65.276196	1.1	974789.383
Pb	208	1	He	64.632471	0.7	4555699.147
Bi	209	1	He	58.389234	0.4	3239063.803
Th	232	1	He	61.594484	1.0	4879587.637
U	238	1	He	55.612882	1.4	4506566.390

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.65811926	1024270.480
Sc	45	2	H2	94.18283576	6312295.333
Ge	72	1	He	92.65712609	627419.813
Ge	72	2	H2	94.72994924	1718262.500
In	115	1	He	90.71600571	6612646.597
Tb	159	1	He	95.79638132	15511560.187
Ir	193	1	He	95.06267492	7431260.307

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	141_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:38:04
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	78.753633	7.2	59099.597
Be	9	2	H2	78.419272	6.4	50136.143
B	11	2	H2	75.460972	5.1	53590.397
Na	23	1	He	2038.392070	1.3	3763230.150
Mg	24	1	He	2022.084585	1.4	2067738.303
Al	27	1	He	1977.098192	1.4	1093446.833
Si	28	2	H2	978.294307	6.9	4261632.167
K	39	1	He	2028.802318	1.3	3208806.823
Ca	43	1	He	2028.649719	0.8	9482.363
Ca	44	1	He	2005.241547	1.4	156964.277
Ti	47	1	He	77.843798	0.6	39025.593
V	51	1	He	83.010348	1.3	982743.567
Cr	52	1	He	82.746712	0.5	1173603.750
Mn	55	1	He	83.816735	1.1	898549.937
Fe	56	1	He	1044.799001	1.5	13556872.667
Co	59	1	He	83.486743	0.6	1749316.580
Ni	60	1	He	83.878632	0.5	431004.657
Cu	63	1	He	85.587966	0.5	1131448.580
Zn	66	1	He	81.088786	0.8	221107.420
As	75	1	He	78.878307	0.6	176269.627
Se	78	2	H2	77.326256	2.3	85922.103
Sr	88	1	He	75.791317	0.5	1423300.707
Mo	95	1	He	81.626109	0.9	674072.310
Pd	105	1	He	79.765201	0.7	955983.373
Ag	107	1	He	40.584774	2.7	970197.590
Cd	111	1	He	79.507276	0.5	361482.173
Sn	118	1	He	78.160338	0.2	933164.177
Sb	121	1	He	75.062829	0.5	1169167.713
Ba	138	1	He	79.143421	1.2	3105040.477
Pt	195	1	He	79.102031	1.5	1154892.977
Hg	202	1	He	3.617347	0.8	26712.550
Tl	205	1	He	39.522320	1.3	2108975.230
Pb	206	1	He	80.268955	0.8	1454335.447
Pb	207	1	He	83.791739	0.8	1268527.037
Pb	208	1	He	81.281934	1.7	5808689.727
Bi	209	1	He	84.112138	2.3	4730003.367
Th	232	1	He	79.483735	0.9	6365508.863
U	238	1	He	76.544654	1.2	6270333.243

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.78681945	1014741.710
Sc	45	2	H2	93.94059835	6296060.167
Ge	72	1	He	93.19323071	631050.000
Ge	72	2	H2	94.66078710	1717008.000
In	115	1	He	93.17628649	6791986.143
Tb	159	1	He	97.14024946	15729162.263
Ir	193	1	He	96.09980803	7512335.303

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	142_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:41:41
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.051337	47.7	104.667
Be	9	2	H2	0.019567	13.0	18.833
B	11	2	H2	-0.302517		2723.597
Na	23	1	He	1.425437	3.6	19425.303
Mg	24	1	He	-2.482222		813.360
Al	27	1	He	0.437031	13.4	481.010
Si	28	2	H2	0.047505	64.1	12310.307
K	39	1	He	6.862398	14.2	134921.487
Ca	43	1	He	0.305186	348.3	11.507
Ca	44	1	He	0.626216	82.5	225.467
Ti	47	1	He	0.005826	182.8	6.000
V	51	1	He	0.064651	115.2	-925.107
Cr	52	1	He	-0.007449		434.677
Mn	55	1	He	-0.050611		362.010
Fe	56	1	He	0.187165	17.9	18993.293
Co	59	1	He	0.002815	31.7	158.000
Ni	60	1	He	-0.126975		198.667
Cu	63	1	He	0.008590	46.4	419.343
Zn	66	1	He	0.017545	54.1	264.667
As	75	1	He	-0.019555		217.833
Se	78	2	H2	0.009137	9.1	27.667
Sr	88	1	He	0.003253	112.0	283.340
Mo	95	1	He	0.009017	49.2	96.667
Pd	105	1	He	0.008388	80.9	136.670
Ag	107	1	He	0.217504	15.5	6142.830
Cd	111	1	He	0.006571	69.3	33.303
Sn	118	1	He	0.034083	15.5	581.687
Sb	121	1	He	0.003522	57.5	148.333
Ba	138	1	He	0.015807	25.0	780.030
Pt	195	1	He	0.003774	135.4	146.667
Hg	202	1	He	0.038518	16.4	363.343
Tl	205	1	He	0.044020	25.2	3130.353
Pb	206	1	He	0.011101	17.0	298.340
Pb	207	1	He	0.004921	169.0	1051.710
Pb	208	1	He	0.009701	21.6	1980.070
Bi	209	1	He	0.003638	40.2	1810.147
Th	232	1	He	0.009898	7.6	863.367
U	238	1	He	0.004664	14.2	478.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.04162906	1017528.377
Sc	45	2	H2	95.09107122	6373166.833
Ge	72	1	He	91.92763499	622480.127
Ge	72	2	H2	96.11335737	1743355.497
In	115	1	He	94.35353734	6877800.590
Tb	159	1	He	97.67249838	15815345.177
Ir	193	1	He	97.74154645	7640673.640

Sample Name	10607968002_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	143SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:45:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.216064	3.6	3993.923
Be	9	2	H2	0.381486	5.1	251.167
B	11	2	H2	6.178818	13.0	7081.497
Na	23	1	He	529.752169	8.7	936515.870
Mg	24	1	He	2974.809801	8.1	2875756.310
Al	27	1	He	5165.156709	7.6	2702323.667
Si	28	2	H2	806.997290	4.5	3533058.500
K	39	1	He	1151.713897	7.6	1774691.433
Ca	43	1	He	4141.353886	7.4	18305.950
Ca	44	1	He	4310.129450	6.9	319127.807
Ti	47	1	He	142.783804	8.9	67672.367
V	51	1	He	20.917449	7.8	233059.557
Cr	52	1	He	12.168854	7.1	163754.097
Mn	55	1	He	244.690201	7.2	2480667.417
Fe	56	1	He	12869.43747	7.8	157797312.000
Co	59	1	He	6.291363	6.9	121854.263
Ni	60	1	He	19.589654	6.6	93602.427
Cu	63	1	He	10.808777	7.2	132230.217
Zn	66	1	He	43.861971	7.1	110558.320
As	75	1	He	2.827360	8.6	6067.530
Se	78	2	H2	0.229164	5.1	269.667
Sr	88	1	He	11.842099	5.7	208206.577
Mo	95	1	He	0.171087	14.3	1321.733
Pd	105	1	He	0.037222	37.1	443.353
Ag	107	1	He	0.173278	19.7	4660.680
Cd	111	1	He	0.145255	3.9	621.290
Sn	118	1	He	1.328369	8.8	14971.700
Sb	121	1	He	0.089220	19.0	1378.403
Ba	138	1	He	82.844294	6.0	3064788.393
Pt	195	1	He	0.005481	61.6	163.340
Hg	202	1	He	0.044129	29.7	383.347
Tl	205	1	He	0.227602	5.9	12171.390
Pb	206	1	He	5.777947	5.6	98806.013
Pb	207	1	He	5.553665	4.8	80172.767
Pb	208	1	He	5.631109	5.3	380694.997
Bi	209	1	He	0.120622	7.7	7898.820
Th	232	1	He	3.686579	6.6	281381.980
U	238	1	He	0.593399	7.0	46395.513

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.12823080	963794.127
Sc	45	2	H2	94.39376490	6326432.167
Ge	72	1	He	86.39008598	584983.087
Ge	72	2	H2	93.89430899	1703105.210
In	115	1	He	87.39646240	6370672.023
Tb	159	1	He	91.81919081	14867564.777
Ir	193	1	He	91.85573324	7180566.557

Sample Name	10607968003_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	144SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:48:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.535530	5.6	2745.700
Be	9	2	H2	0.373293	12.0	247.500
B	11	2	H2	2.449571	14.6	4590.643
Na	23	1	He	183.326052	0.3	356368.823
Mg	24	1	He	1300.790148	0.5	1341448.783
Al	27	1	He	7238.819017	0.7	4033190.167
Si	28	2	H2	831.835348	4.9	3667379.167
K	39	1	He	898.533101	0.9	1501566.643
Ca	43	1	He	1927.046406	0.8	9075.717
Ca	44	1	He	1984.373859	0.9	156507.750
Ti	47	1	He	150.693734	1.1	76113.527
V	51	1	He	19.423219	0.4	230379.953
Cr	52	1	He	12.976564	0.2	185883.677
Mn	55	1	He	70.375730	0.4	760306.227
Fe	56	1	He	6715.234825	0.8	87705736.000
Co	59	1	He	1.765586	2.8	36525.490
Ni	60	1	He	5.241393	1.4	27308.627
Cu	63	1	He	9.422344	1.3	122933.090
Zn	66	1	He	35.125269	2.6	94432.047
As	75	1	He	0.953256	2.0	2354.990
Se	78	2	H2	0.200740	18.4	241.667
Sr	88	1	He	8.806871	2.2	165474.503
Mo	95	1	He	0.101631	11.8	850.030
Pd	105	1	He	0.029989	0.9	393.343
Ag	107	1	He	0.089711	2.1	3008.623
Cd	111	1	He	0.150102	16.3	684.767
Sn	118	1	He	1.258181	2.8	15176.810
Sb	121	1	He	0.051835	5.5	898.370
Ba	138	1	He	67.398008	0.5	2653089.857
Pt	195	1	He	0.002874	87.8	133.333
Hg	202	1	He	0.039140	26.6	366.680
Tl	205	1	He	0.150599	3.0	8827.493
Pb	206	1	He	6.720784	1.9	122250.737
Pb	207	1	He	6.393832	2.2	98006.253
Pb	208	1	He	6.496069	2.2	466934.720
Bi	209	1	He	0.096067	5.6	7018.343
Th	232	1	He	4.044939	1.0	324479.890
U	238	1	He	1.096817	0.9	90067.437

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.48079281	1022331.190
Sc	45	2	H2	94.98553329	6366093.500
Ge	72	1	He	91.77744431	621463.123
Ge	72	2	H2	95.48652688	1731985.710
In	115	1	He	93.10848945	6787044.150
Tb	159	1	He	97.45819022	15780643.930
Ir	193	1	He	96.24099203	7523371.970

Sample Name	10608145001_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	145SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:52:29
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.510924	4.5	4919.477
Be	9	2	H2	0.400943	5.1	261.000
B	11	2	H2	4.823062	6.9	6101.143
Na	23	1	He	139.476648	1.3	270782.240
Mg	24	1	He	8481.151753	0.6	8588452.790
Al	27	1	He	6873.766470	0.5	3768737.833
Si	28	2	H2	1069.346734	12.9	4639238.917
K	39	1	He	857.666874	1.2	1415999.717
Ca	43	1	He	15642.76473	0.5	72428.723
Ca	44	1	He	15892.04585	0.7	1232225.417
Ti	47	1	He	209.123988	0.7	103943.220
V	51	1	He	26.797871	1.2	313429.467
Cr	52	1	He	14.762307	0.2	208021.577
Mn	55	1	He	386.069909	0.2	4100476.167
Fe	56	1	He	12485.57531	0.5	160455498.667
Co	59	1	He	6.282161	1.0	127022.717
Ni	60	1	He	15.883426	0.5	79367.393
Cu	63	1	He	12.640557	0.7	161392.470
Zn	66	1	He	49.115965	1.1	129228.277
As	75	1	He	3.785342	0.6	8399.813
Se	78	2	H2	0.206930	9.8	245.333
Sr	88	1	He	15.758856	1.1	289134.630
Mo	95	1	He	0.277671	4.6	2233.500
Pd	105	1	He	0.041598	8.8	520.020
Ag	107	1	He	0.065521	16.1	2375.187
Cd	111	1	He	0.118955	15.3	531.007
Sn	118	1	He	1.398600	1.3	16466.363
Sb	121	1	He	0.104523	9.5	1678.430
Ba	138	1	He	74.454652	0.5	2892825.687
Pt	195	1	He	0.003699	102.7	143.333
Hg	202	1	He	0.024637	17.3	256.677
Tl	205	1	He	0.156866	1.6	9042.633
Pb	206	1	He	7.681919	1.4	137915.750
Pb	207	1	He	7.072080	1.9	106897.763
Pb	208	1	He	7.283301	0.5	516608.673
Bi	209	1	He	0.098587	6.5	7068.377
Th	232	1	He	3.587077	0.7	285555.283
U	238	1	He	0.573851	0.3	46804.747

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.99218715	1006051.397
Sc	45	2	H2	93.39989053	6259821.000
Ge	72	1	He	89.86407010	608506.873
Ge	72	2	H2	93.99291361	1704893.753
In	115	1	He	90.98104052	6631966.027
Tb	159	1	He	96.19263130	15575721.853
Ir	193	1	He	95.50453049	7465801.137

Sample Name	10608145002_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	146SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:56:08
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.727983	4.5	4517.377
Be	9	2	H2	0.507665	3.5	342.667
B	11	2	H2	3.080170	23.2	5150.837
Na	23	1	He	87.532667	0.3	180211.547
Mg	24	1	He	2390.161367	0.2	2479060.847
Al	27	1	He	9612.408937	0.2	5392566.167
Si	28	2	H2	835.781426	2.9	3770113.167
K	39	1	He	710.644221	2.5	1222035.267
Ca	43	1	He	2555.277823	0.6	12114.593
Ca	44	1	He	2623.208924	0.7	208272.987
Ti	47	1	He	198.334885	1.1	100870.987
V	51	1	He	31.541616	0.2	377772.240
Cr	52	1	He	16.740268	0.3	241295.140
Mn	55	1	He	263.368882	0.3	2862478.833
Fe	56	1	He	15927.75139	0.4	209435440.000
Co	59	1	He	6.120109	0.8	126305.847
Ni	60	1	He	11.023723	0.4	56480.687
Cu	63	1	He	15.665717	0.8	204092.190
Zn	66	1	He	52.952269	0.6	142189.863
As	75	1	He	6.226330	0.8	13933.420
Se	78	2	H2	0.408781	2.1	482.010
Sr	88	1	He	10.198960	1.7	190904.383
Mo	95	1	He	0.247536	3.2	2035.140
Pd	105	1	He	0.050738	15.5	640.023
Ag	107	1	He	0.049953	13.1	2053.480
Cd	111	1	He	0.048533	26.5	222.727
Sn	118	1	He	1.386034	1.2	16643.167
Sb	121	1	He	0.085984	7.3	1425.070
Ba	138	1	He	73.677423	1.5	2891904.750
Pt	195	1	He	0.002708	118.9	130.000
Hg	202	1	He	0.037904	15.7	356.680
Tl	205	1	He	0.125581	3.7	7468.490
Pb	206	1	He	9.688596	0.9	175716.643
Pb	207	1	He	9.145208	0.8	139391.423
Pb	208	1	He	9.338767	0.3	668883.100
Bi	209	1	He	0.111311	5.7	7855.430
Th	232	1	He	4.060578	0.9	326703.220
U	238	1	He	0.610290	2.7	50305.710

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.12664220	1029394.373
Sc	45	2	H2	97.32196504	6522685.167
Ge	72	1	He	91.72249567	621091.043
Ge	72	2	H2	96.81895478	1756154.000
In	115	1	He	92.78554703	6763503.607
Tb	159	1	He	97.18550012	15736489.350
Ir	193	1	He	96.52396502	7545492.597

Sample Name	10608145003_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	147SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 18:59:47
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.923618	6.5	3730.707
Be	9	2	H2	0.284367	8.8	186.833
B	11	2	H2	4.791843	18.6	6081.110
Na	23	1	He	242.251869	2.3	458376.087
Mg	24	1	He	9878.146593	1.7	10009469.227
Al	27	1	He	4493.064948	2.1	2465172.667
Si	28	2	H2	1094.680314	12.3	4743920.750
K	39	1	He	719.002757	0.1	1207889.357
Ca	43	1	He	35460.26291	1.9	164282.940
Ca	44	1	He	35792.67749	1.9	2776916.570
Ti	47	1	He	185.474705	1.6	92249.370
V	51	1	He	21.886647	1.7	255849.020
Cr	52	1	He	10.922423	1.7	154155.173
Mn	55	1	He	314.819240	1.4	3346172.250
Fe	56	1	He	10440.31402	1.9	134264768.000
Co	59	1	He	4.379806	1.4	88027.143
Ni	60	1	He	11.440075	2.0	57030.350
Cu	63	1	He	9.563608	1.0	121410.670
Zn	66	1	He	28.091606	1.0	73535.617
As	75	1	He	2.491226	2.9	5579.373
Se	78	2	H2	0.138962	13.4	170.000
Sr	88	1	He	26.314465	1.3	482249.720
Mo	95	1	He	0.355012	7.7	2831.933
Pd	105	1	He	0.032520	31.7	413.347
Ag	107	1	He	0.047953	20.0	1965.133
Cd	111	1	He	0.125395	4.9	559.167
Sn	118	1	He	1.214751	4.6	14309.430
Sb	121	1	He	0.091512	7.5	1480.083
Ba	138	1	He	56.043406	1.3	2172256.217
Pt	195	1	He	0.002560	60.5	126.667
Hg	202	1	He	0.022439	54.9	240.007
Tl	205	1	He	0.102403	1.4	6151.257
Pb	206	1	He	4.832386	1.4	86580.717
Pb	207	1	He	4.447058	1.2	67416.443
Pb	208	1	He	4.611498	1.0	326774.480
Bi	209	1	He	0.070192	5.2	5474.387
Th	232	1	He	2.930103	1.0	232296.307
U	238	1	He	0.529604	0.9	43024.053

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.06025363	1006795.790
Sc	45	2	H2	93.26138567	6250538.167
Ge	72	1	He	89.30356782	604711.480
Ge	72	2	H2	93.82545925	1701856.377
In	115	1	He	90.90669057	6626546.367
Tb	159	1	He	95.96396180	15538695.187
Ir	193	1	He	95.11465682	7435323.847

Sample Name	10608145004_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	148SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:03:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.680540	5.9	3569.340
Be	9	2	H2	0.242633	5.7	160.833
B	11	2	H2	3.323755	17.5	5120.817
Na	23	1	He	346.591170	1.6	651156.357
Mg	24	1	He	11370.71661	1.3	11565833.580
Al	27	1	He	4112.618719	0.6	2265302.583
Si	28	2	H2	1250.955527	9.4	5442926.000
K	39	1	He	649.094235	0.8	1106670.010
Ca	43	1	He	30353.43701	0.5	141177.930
Ca	44	1	He	30728.05930	0.9	2393305.933
Ti	47	1	He	189.994317	1.4	94859.433
V	51	1	He	20.746668	1.6	243371.603
Cr	52	1	He	10.473739	0.7	148420.020
Mn	55	1	He	272.579252	0.5	2908620.750
Fe	56	1	He	9117.277894	0.9	117708146.667
Co	59	1	He	3.937433	0.2	79877.540
Ni	60	1	He	10.647754	0.4	53629.320
Cu	63	1	He	10.089542	0.5	129254.797
Zn	66	1	He	24.197150	1.9	63961.300
As	75	1	He	1.517916	1.1	3531.187
Se	78	2	H2	0.124008	8.2	154.333
Sr	88	1	He	21.461603	1.9	393549.593
Mo	95	1	He	0.156858	20.0	1276.730
Pd	105	1	He	0.034465	10.0	436.683
Ag	107	1	He	0.033645	13.0	1631.763
Cd	111	1	He	0.107312	12.9	479.630
Sn	118	1	He	1.194785	2.7	14089.217
Sb	121	1	He	0.086828	5.3	1410.073
Ba	138	1	He	45.628095	0.5	1768387.683
Pt	195	1	He	0.003498	118.7	140.003
Hg	202	1	He	0.017865	23.3	206.677
Tl	205	1	He	0.103389	5.1	6204.587
Pb	206	1	He	3.947425	0.8	70733.523
Pb	207	1	He	3.698531	0.5	56226.793
Pb	208	1	He	3.815255	0.3	270537.423
Bi	209	1	He	0.057767	18.0	4787.500
Th	232	1	He	2.164728	0.5	172125.243
U	238	1	He	0.410629	1.0	33474.287

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.41790360	1010707.147
Sc	45	2	H2	93.74976469	6283270.167
Ge	72	1	He	90.12123547	610248.247
Ge	72	2	H2	94.30202972	1710500.667
In	115	1	He	90.95901235	6630360.307
Tb	159	1	He	95.95144550	15536668.520
Ir	193	1	He	95.37897173	7455985.930

Sample Name	10608145005_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	149SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:07:02
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.827349	5.5	2142.957
Be	9	2	H2	0.111389	21.2	76.000
B	11	2	H2	1.651229	23.0	3930.507
Na	23	1	He	349.634180	7.2	618606.240
Mg	24	1	He	4409.729998	6.8	4227327.227
Al	27	1	He	2362.455590	7.4	1225509.793
Si	28	2	H2	511.836145	1.6	2191322.290
K	39	1	He	342.310986	10.5	604327.020
Ca	43	1	He	9724.858641	7.7	42596.190
Ca	44	1	He	10100.96044	7.9	740843.157
Ti	47	1	He	178.707095	7.1	84043.653
V	51	1	He	14.816433	6.0	163341.603
Cr	52	1	He	15.342816	8.2	204437.297
Mn	55	1	He	105.574923	7.3	1061455.793
Fe	56	1	He	6590.892061	6.8	80160842.667
Co	59	1	He	3.015028	7.5	58895.497
Ni	60	1	He	8.823477	6.7	42930.923
Cu	63	1	He	15.647235	6.7	192846.697
Zn	66	1	He	72.183243	7.3	183245.947
As	75	1	He	1.094544	10.6	2517.680
Se	78	2	H2	0.138823	15.6	169.000
Sr	88	1	He	9.195522	8.3	160124.470
Mo	95	1	He	0.506915	4.8	3923.817
Pd	105	1	He	0.023502	7.6	293.343
Ag	107	1	He	0.046095	22.6	1820.117
Cd	111	1	He	0.116596	4.0	497.170
Sn	118	1	He	1.977413	11.3	21980.877
Sb	121	1	He	0.305998	11.9	4490.643
Ba	138	1	He	20.755967	8.4	754315.693
Pt	195	1	He	0.004039	32.1	140.000
Hg	202	1	He	0.054628	18.8	443.350
Tl	205	1	He	0.030345	25.4	2196.843
Pb	206	1	He	4.995638	10.1	83834.763
Pb	207	1	He	4.759212	8.4	67578.843
Pb	208	1	He	4.808059	8.9	319271.747
Bi	209	1	He	0.045286	9.9	3840.547
Th	232	1	He	1.030486	8.4	76796.957
U	238	1	He	0.382241	9.7	29184.033

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	87.33558912	955125.583
Sc	45	2	H2	92.10704341	6173172.167
Ge	72	1	He	87.03799590	589370.353
Ge	72	2	H2	93.45929352	1695214.667
In	115	1	He	86.71103921	6320708.830
Tb	159	1	He	90.35163158	14629934.367
Ir	193	1	He	89.76467450	7017103.853

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	150_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:10:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	79.604210	4.7	60514.193
Be	9	2	H2	79.198478	3.4	51279.483
B	11	2	H2	76.304039	5.2	54851.120
Na	23	1	He	2026.732483	1.4	3809639.943
Mg	24	1	He	2018.374841	1.2	2101448.770
Al	27	1	He	1969.355676	1.1	1108946.417
Si	28	2	H2	996.936740	5.1	4398455.083
K	39	1	He	2039.583758	1.7	3283645.367
Ca	43	1	He	2011.971486	0.5	9575.533
Ca	44	1	He	1997.426060	1.3	159191.523
Ti	47	1	He	76.170206	2.2	38875.243
V	51	1	He	81.785483	1.6	985751.717
Cr	52	1	He	82.294528	1.5	1188253.420
Mn	55	1	He	83.548467	0.9	911965.773
Fe	56	1	He	1035.363368	1.2	13678775.667
Co	59	1	He	83.866390	0.8	1767693.960
Ni	60	1	He	84.467751	0.4	436609.263
Cu	63	1	He	86.821273	0.3	1154564.460
Zn	66	1	He	81.714983	0.7	224137.313
As	75	1	He	79.526183	0.3	178768.663
Se	78	2	H2	78.670275	0.9	88320.477
Sr	88	1	He	75.886984	0.9	1436863.467
Mo	95	1	He	81.709252	0.7	678780.797
Pd	105	1	He	79.364452	0.9	959029.203
Ag	107	1	He	39.928733	3.3	962357.823
Cd	111	1	He	78.629405	0.3	360441.190
Sn	118	1	He	78.619842	1.1	946389.777
Sb	121	1	He	75.367912	0.5	1183604.127
Ba	138	1	He	79.756479	1.3	3117855.787
Pt	195	1	He	79.932272	0.3	1162898.080
Hg	202	1	He	3.600145	1.4	26492.280
Tl	205	1	He	39.729007	0.6	2112410.853
Pb	206	1	He	80.365474	0.7	1450905.393
Pb	207	1	He	83.576069	0.7	1260722.220
Pb	208	1	He	81.706123	0.9	5818387.567
Bi	209	1	He	84.285361	1.0	4723105.450
Th	232	1	He	78.725950	0.4	6323118.033
U	238	1	He	76.096949	0.9	6251693.867

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.47199730	1033171.270
Sc	45	2	H2	95.08740077	6372920.833
Ge	72	1	He	93.74640169	634795.750
Ge	72	2	H2	95.60954086	1734217.003
In	115	1	He	93.94603302	6848095.997
Tb	159	1	He	96.78989347	15672431.853
Ir	193	1	He	96.37694987	7534000.097

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	151_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:14:15
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.021901	24.6	83.667
Be	9	2	H2	0.026220	31.0	23.667
B	11	2	H2	-0.691142		2506.893
Na	23	1	He	0.174219	251.3	17540.047
Mg	24	1	He	-2.553407		758.360
Al	27	1	He	0.321717	12.8	427.343
Si	28	2	H2	-0.084376		11963.373
K	39	1	He	7.328354	5.6	138954.007
Ca	43	1	He	1.141022	36.9	15.780
Ca	44	1	He	1.224923	82.0	278.990
Ti	47	1	He	0.024897	26.7	16.000
V	51	1	He	-0.022804		-2012.247
Cr	52	1	He	-0.006652		457.343
Mn	55	1	He	-0.054522		328.003
Fe	56	1	He	0.135392	10.2	18770.420
Co	59	1	He	0.001525	119.2	134.000
Ni	60	1	He	-0.131745		178.000
Cu	63	1	He	0.004584	28.7	374.677
Zn	66	1	He	0.002964	342.1	230.000
As	75	1	He	-0.014603		233.333
Se	78	2	H2	0.004414	80.1	22.667
Sr	88	1	He	0.002261	114.7	271.670
Mo	95	1	He	0.011023	16.9	115.000
Pd	105	1	He	0.002233	19.0	63.333
Ag	107	1	He	0.199320	14.5	5847.717
Cd	111	1	He	0.008504	29.5	43.300
Sn	118	1	He	0.021585	25.2	441.677
Sb	121	1	He	0.005763	21.2	188.333
Ba	138	1	He	0.011869	10.1	633.353
Pt	195	1	He	0.001617	132.5	116.667
Hg	202	1	He	0.022730	34.8	250.010
Tl	205	1	He	0.042584	29.3	3097.003
Pb	206	1	He	0.006999	24.1	226.670
Pb	207	1	He	0.001258	253.0	1010.043
Pb	208	1	He	0.006068	19.8	1743.393
Bi	209	1	He	0.003944	3.6	1853.477
Th	232	1	He	0.006627	22.0	600.017
U	238	1	He	0.003536	3.1	386.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	95.31680850	1042410.353
Sc	45	2	H2	96.89738624	6494229.167
Ge	72	1	He	93.75123180	634828.457
Ge	72	2	H2	97.48564295	1768246.747
In	115	1	He	96.74443055	7052082.203
Tb	159	1	He	99.05814589	16039712.260
Ir	193	1	He	98.33904123	7687381.133

Sample Name	10608145006_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	152SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:17:51
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.844600	5.2	2944.397
Be	9	2	H2	0.231820	15.7	154.333
B	11	2	H2	2.812315	33.2	4784.050
Na	23	1	He	1006.332550	0.5	1829563.047
Mg	24	1	He	4936.668181	0.8	4944011.697
Al	27	1	He	4563.958299	0.8	2474113.083
Si	28	2	H2	959.509621	1.8	4170519.917
K	39	1	He	593.336799	0.9	1006046.623
Ca	43	1	He	12296.96539	0.6	56294.990
Ca	44	1	He	12675.76271	0.1	971770.973
Ti	47	1	He	157.829328	0.7	77559.973
V	51	1	He	17.040911	1.0	196452.637
Cr	52	1	He	9.651954	0.9	134655.187
Mn	55	1	He	172.831515	0.7	1815373.627
Fe	56	1	He	7787.092402	0.5	98949392.000
Co	59	1	He	3.543190	1.0	71264.463
Ni	60	1	He	8.819117	1.8	44171.173
Cu	63	1	He	7.989783	1.0	101526.070
Zn	66	1	He	26.611912	2.0	69700.460
As	75	1	He	2.055791	1.6	4651.610
Se	78	2	H2	0.172607	5.0	207.333
Sr	88	1	He	11.768960	1.0	214078.963
Mo	95	1	He	0.307710	6.9	2458.530
Pd	105	1	He	0.032473	19.5	410.013
Ag	107	1	He	0.117757	9.2	3562.070
Cd	111	1	He	0.103702	4.2	459.273
Sn	118	1	He	1.172518	1.2	13708.923
Sb	121	1	He	0.081171	12.5	1311.730
Ba	138	1	He	51.516145	0.9	1978363.460
Pt	195	1	He	0.004055	37.7	146.667
Hg	202	1	He	0.038068	32.5	350.013
Tl	205	1	He	0.098575	1.1	5894.483
Pb	206	1	He	5.193008	0.4	92179.833
Pb	207	1	He	4.902174	0.3	73535.000
Pb	208	1	He	5.001698	0.8	351063.733
Bi	209	1	He	0.061523	1.9	4947.533
Th	232	1	He	2.182382	1.7	171710.807
U	238	1	He	0.473770	1.6	38203.310

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.95173125	994672.690
Sc	45	2	H2	93.80573908	6287021.667
Ge	72	1	He	89.34394540	604984.893
Ge	72	2	H2	93.96837322	1704448.627
In	115	1	He	90.18027590	6573595.143
Tb	159	1	He	95.07631583	15394965.603
Ir	193	1	He	94.38306436	7378133.640

Sample Name	10608146001_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	153SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:21:26
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.880786	4.7	3750.710
Be	9	2	H2	0.470487	4.7	309.167
B	11	2	H2	3.034197	24.9	4977.420
Na	23	1	He	119.779664	1.4	234891.540
Mg	24	1	He	2760.398027	1.1	2797602.357
Al	27	1	He	6145.145044	0.7	3369287.417
Si	28	2	H2	1068.233978	6.5	4687806.500
K	39	1	He	773.879508	0.8	1289676.727
Ca	43	1	He	5008.812997	1.6	23198.857
Ca	44	1	He	5152.976435	0.8	399666.543
Ti	47	1	He	123.039116	4.0	61161.290
V	51	1	He	23.074034	0.4	269630.037
Cr	52	1	He	12.262270	0.9	172883.000
Mn	55	1	He	320.391920	0.7	3403034.167
Fe	56	1	He	11020.78881	0.0	141630997.333
Co	59	1	He	5.285732	1.2	106821.723
Ni	60	1	He	12.274603	1.1	61482.167
Cu	63	1	He	10.577793	0.3	135011.977
Zn	66	1	He	49.342666	0.7	129733.303
As	75	1	He	2.039983	1.0	4640.940
Se	78	2	H2	0.233382	3.7	276.000
Sr	88	1	He	11.756285	1.3	218247.980
Mo	95	1	He	0.164101	7.0	1328.397
Pd	105	1	He	0.038819	8.9	493.353
Ag	107	1	He	0.082557	1.5	2805.257
Cd	111	1	He	0.110569	5.2	499.613
Sn	118	1	He	1.237797	1.4	14759.800
Sb	121	1	He	0.061291	6.8	1033.377
Ba	138	1	He	82.390894	1.0	3196704.223
Pt	195	1	He	0.002324	169.0	123.333
Hg	202	1	He	0.029735	5.2	293.343
Tl	205	1	He	0.112592	1.9	6694.790
Pb	206	1	He	7.372150	2.1	132172.847
Pb	207	1	He	7.004587	2.0	105743.453
Pb	208	1	He	7.132706	1.6	505247.717
Bi	209	1	He	0.098686	5.5	7065.067
Th	232	1	He	3.329671	1.5	265410.923
U	238	1	He	0.466130	2.6	38087.980

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.98957139	1006022.790
Sc	45	2	H2	94.58953975	6339553.333
Ge	72	1	He	89.80148495	608083.083
Ge	72	2	H2	94.51173280	1714304.373
In	115	1	He	92.03319440	6708661.663
Tb	159	1	He	96.05737858	15553821.437
Ir	193	1	He	95.63561925	7476048.637

Sample Name	10608146002_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	154SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:25:04
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.317565	4.1	2513.503
Be	9	2	H2	0.306746	7.7	199.167
B	11	2	H2	2.665359	12.8	4614.003
Na	23	1	He	134.321869	2.7	257468.677
Mg	24	1	He	1752.310467	0.5	1750547.110
Al	27	1	He	4535.974933	0.3	2449888.667
Si	28	2	H2	948.029605	1.4	4065887.750
K	39	1	He	680.966284	0.6	1132456.153
Ca	43	1	He	3165.578489	0.9	14445.920
Ca	44	1	He	3237.032292	0.8	247376.020
Ti	47	1	He	102.035446	3.1	49960.333
V	51	1	He	16.102053	2.6	184864.887
Cr	52	1	He	8.965632	1.1	124655.283
Mn	55	1	He	371.806383	0.9	3889947.250
Fe	56	1	He	9699.902229	0.4	122798170.667
Co	59	1	He	3.542725	1.4	71037.610
Ni	60	1	He	8.147913	1.3	40749.880
Cu	63	1	He	9.099189	1.0	115229.920
Zn	66	1	He	38.191451	1.1	99638.397
As	75	1	He	1.864826	1.1	4229.673
Se	78	2	H2	0.244836	8.1	284.000
Sr	88	1	He	8.825136	0.9	161459.723
Mo	95	1	He	0.138459	0.4	1115.050
Pd	105	1	He	0.026584	18.9	343.347
Ag	107	1	He	0.054082	7.4	2101.813
Cd	111	1	He	0.110388	6.9	491.343
Sn	118	1	He	1.178672	2.0	13854.033
Sb	121	1	He	0.056351	11.4	943.370
Ba	138	1	He	77.988065	0.5	2985725.997
Pt	195	1	He	0.013221	27.0	276.677
Hg	202	1	He	0.032998	42.5	313.343
Tl	205	1	He	0.083067	1.9	5069.180
Pb	206	1	He	5.748491	1.7	101710.717
Pb	207	1	He	5.469514	1.7	81677.233
Pb	208	1	He	5.586537	1.0	390736.513
Bi	209	1	He	0.069379	5.7	5364.333
Th	232	1	He	2.375336	1.3	187393.250
U	238	1	He	0.511579	1.0	41356.207

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	90.61687638	991010.627
Sc	45	2	H2	92.53482018	6201842.500
Ge	72	1	He	89.06811086	603117.103
Ge	72	2	H2	92.96084716	1686173.580
In	115	1	He	90.67301484	6609512.823
Tb	159	1	He	94.78385798	15347610.187
Ir	193	1	He	94.64082856	7398283.640

Sample Name	10608146003_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	155SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:28:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.722065	3.9	3731.370
Be	9	2	H2	0.494577	4.0	333.833
B	11	2	H2	3.437098	15.0	5394.223
Na	23	1	He	160.709700	0.7	318399.163
Mg	24	1	He	2291.649512	0.7	2389982.360
Al	27	1	He	6910.590619	0.4	3898344.667
Si	28	2	H2	1043.752832	5.8	4707387.667
K	39	1	He	926.601850	0.7	1563750.863
Ca	43	1	He	4341.460213	0.8	20690.150
Ca	44	1	He	4480.812577	0.5	357596.800
Ti	47	1	He	116.974477	0.2	59819.057
V	51	1	He	23.021337	0.5	276782.380
Cr	52	1	He	12.540198	1.0	181903.147
Mn	55	1	He	924.877981	1.0	10105916.667
Fe	56	1	He	14530.87824	0.4	192122848.000
Co	59	1	He	6.445766	1.0	132857.777
Ni	60	1	He	12.275613	0.5	62719.660
Cu	63	1	He	9.627681	0.7	125385.223
Zn	66	1	He	53.586052	1.5	143712.530
As	75	1	He	3.917505	2.2	8852.860
Se	78	2	H2	0.279622	4.2	335.667
Sr	88	1	He	12.699613	1.1	240058.093
Mo	95	1	He	0.231060	2.9	1898.460
Pd	105	1	He	0.032844	23.0	430.013
Ag	107	1	He	0.061092	12.7	2341.850
Cd	111	1	He	0.153075	7.7	702.787
Sn	118	1	He	1.222081	0.9	14839.863
Sb	121	1	He	0.061450	8.3	1055.043
Ba	138	1	He	103.707341	1.4	4069277.753
Pt	195	1	He	-0.000052		90.000
Hg	202	1	He	0.035169	16.0	336.677
Tl	205	1	He	0.118764	2.9	7099.983
Pb	206	1	He	9.498387	2.4	172190.707
Pb	207	1	He	9.050043	2.4	137883.447
Pb	208	1	He	9.248244	2.1	662148.793
Bi	209	1	He	0.118012	4.1	8232.290
Th	232	1	He	3.321947	2.7	267027.297
U	238	1	He	0.606489	4.4	49942.977

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.64524741	1035065.980
Sc	45	2	H2	97.26683117	6518990.000
Ge	72	1	He	91.60715148	620310.000
Ge	72	2	H2	96.95147448	1758557.713
In	115	1	He	93.71346630	6831143.293
Tb	159	1	He	97.14545517	15730005.183
Ir	193	1	He	96.43741466	7538726.763

Sample Name	10608146004_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	156SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:32:18
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.824242	3.7	4689.417
Be	9	2	H2	0.510194	5.5	351.167
B	11	2	H2	3.826639	5.0	5784.363
Na	23	1	He	229.629530	0.2	454414.300
Mg	24	1	He	3031.459651	0.5	3208473.490
Al	27	1	He	7440.429180	0.5	4260698.667
Si	28	2	H2	966.733483	5.2	4458949.667
K	39	1	He	1034.660868	0.2	1757679.560
Ca	43	1	He	5279.006661	0.5	25536.353
Ca	44	1	He	5426.131880	0.9	439552.573
Ti	47	1	He	121.665890	2.0	63157.380
V	51	1	He	28.337896	0.5	346272.883
Cr	52	1	He	14.281348	0.3	210209.747
Mn	55	1	He	761.453923	0.8	8445758.333
Fe	56	1	He	16304.12128	0.4	218835936.000
Co	59	1	He	10.609123	0.7	222426.197
Ni	60	1	He	17.651696	0.4	91393.137
Cu	63	1	He	13.899303	0.7	184043.373
Zn	66	1	He	55.395445	0.8	151148.253
As	75	1	He	5.507848	1.3	12556.573
Se	78	2	H2	0.279934	5.6	342.000
Sr	88	1	He	15.572055	1.3	298275.647
Mo	95	1	He	0.170971	8.4	1435.073
Pd	105	1	He	0.038073	22.4	500.017
Ag	107	1	He	0.079414	2.4	2818.590
Cd	111	1	He	0.207811	3.0	966.277
Sn	118	1	He	1.286508	2.1	15825.767
Sb	121	1	He	0.092485	3.6	1561.753
Ba	138	1	He	125.309419	0.8	4982752.323
Pt	195	1	He	0.001231	289.3	110.000
Hg	202	1	He	0.029619	40.9	300.007
Tl	205	1	He	0.126549	5.3	7615.220
Pb	206	1	He	14.934748	0.8	274320.310
Pb	207	1	He	14.344224	2.4	220884.553
Pb	208	1	He	14.480206	0.9	1049925.340
Bi	209	1	He	0.123841	4.7	8672.543
Th	232	1	He	3.826348	1.2	308954.047
U	238	1	He	0.611284	0.7	50566.600

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	96.08109254	1050768.770
Sc	45	2	H2	99.40920890	6662575.833
Ge	72	1	He	93.20994312	631163.167
Ge	72	2	H2	98.60210816	1788497.790
In	115	1	He	94.98215411	6923622.940
Tb	159	1	He	98.45022531	15941276.427
Ir	193	1	He	96.87273823	7572756.973

Sample Name	10608146005_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	157SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:35:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.251195	4.7	5054.013
Be	9	2	H2	0.564647	10.2	390.670
B	11	2	H2	5.125868	18.0	6754.690
Na	23	1	He	220.854887	0.9	445874.303
Mg	24	1	He	4115.251016	0.6	4435585.767
Al	27	1	He	7416.552819	0.0	4326307.500
Si	28	2	H2	904.162885	2.4	4188247.583
K	39	1	He	1085.862963	0.8	1872582.157
Ca	43	1	He	6909.874289	0.9	34044.803
Ca	44	1	He	7049.942362	0.4	581684.370
Ti	47	1	He	133.225390	2.4	70452.133
V	51	1	He	34.191263	1.0	425956.257
Cr	52	1	He	14.592250	1.2	218776.947
Mn	55	1	He	879.183633	0.4	9933543.667
Fe	56	1	He	20326.67398	0.5	277914528.000
Co	59	1	He	7.112096	0.7	151434.667
Ni	60	1	He	20.609005	0.8	108200.520
Cu	63	1	He	15.709050	0.4	211160.317
Zn	66	1	He	55.387617	0.5	153453.333
As	75	1	He	10.684837	0.4	24482.213
Se	78	2	H2	0.285031	3.2	348.667
Sr	88	1	He	17.257902	0.2	334462.520
Mo	95	1	He	0.369076	3.4	3118.643
Pd	105	1	He	0.041367	14.3	546.690
Ag	107	1	He	0.071903	3.7	2666.903
Cd	111	1	He	0.203540	15.9	957.437
Sn	118	1	He	1.311267	5.4	16317.877
Sb	121	1	He	0.138109	7.8	2313.513
Ba	138	1	He	123.258512	0.3	4928557.323
Pt	195	1	He	0.002748	259.4	133.337
Hg	202	1	He	0.041875	36.3	393.347
Tl	205	1	He	0.161398	3.1	9552.913
Pb	206	1	He	14.140392	1.1	261182.907
Pb	207	1	He	13.517774	0.4	209392.347
Pb	208	1	He	13.755973	0.4	1003011.797
Bi	209	1	He	0.166981	1.2	11194.137
Th	232	1	He	4.315031	1.1	351343.550
U	238	1	He	0.593249	1.5	49491.473

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.87283507	1070363.750
Sc	45	2	H2	99.88849882	6694698.667
Ge	72	1	He	94.64578885	640885.873
Ge	72	2	H2	98.89342184	1793781.793
In	115	1	He	96.10885444	7005752.560
Tb	159	1	He	98.99612021	16029668.927
Ir	193	1	He	97.68612122	7636340.927

Sample Name	10608146006_B70201Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	158SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:39:32
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.654000	5.3	4287.490
Be	9	2	H2	0.348356	11.5	228.000
B	11	2	H2	5.702825	3.6	6697.983
Na	23	1	He	112.296917	1.9	219712.020
Mg	24	1	He	5593.520958	1.5	5626140.960
Al	27	1	He	5654.631804	0.9	3078893.500
Si	28	2	H2	936.582221	4.1	4064187.667
K	39	1	He	1021.581819	1.1	1651670.130
Ca	43	1	He	14560.91103	0.9	66953.040
Ca	44	1	He	15099.28325	0.8	1162664.147
Ti	47	1	He	133.435863	2.9	65868.320
V	51	1	He	22.373298	1.4	259583.587
Cr	52	1	He	11.639853	0.9	162997.273
Mn	55	1	He	476.742504	0.8	5028204.333
Fe	56	1	He	13430.87962	1.0	171407520.000
Co	59	1	He	7.771402	0.6	156349.760
Ni	60	1	He	16.117185	0.7	80134.087
Cu	63	1	He	10.870907	0.4	138165.567
Zn	66	1	He	42.899887	0.6	112352.593
As	75	1	He	3.938404	0.6	8686.610
Se	78	2	H2	0.246349	15.0	288.333
Sr	88	1	He	19.133928	0.6	351294.227
Mo	95	1	He	0.402418	7.6	3211.993
Pd	105	1	He	0.029600	10.7	380.013
Ag	107	1	He	0.044544	7.2	1888.460
Cd	111	1	He	0.128926	6.4	575.717
Sn	118	1	He	1.261569	3.6	14881.553
Sb	121	1	He	0.098693	11.5	1591.757
Ba	138	1	He	126.452278	0.3	4850197.323
Pt	195	1	He	0.004518	89.8	153.337
Hg	202	1	He	0.025116	22.8	256.673
Tl	205	1	He	0.133192	4.6	7693.590
Pb	206	1	He	11.361872	1.2	201332.533
Pb	207	1	He	10.903449	1.4	162201.343
Pb	208	1	He	11.116039	0.7	777738.950
Bi	209	1	He	0.100874	11.1	7105.077
Th	232	1	He	3.257920	0.9	255859.540
U	238	1	He	0.449094	2.6	36153.687

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.35718607	999106.853
Sc	45	2	H2	93.57342135	6271451.333
Ge	72	1	He	89.42906498	605561.273
Ge	72	2	H2	94.00199630	1705058.500
In	115	1	He	91.05374803	6637265.963
Tb	159	1	He	94.96077165	15376256.437
Ir	193	1	He	94.21782560	7365216.560

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	159_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:43:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	78.334342	4.7	59626.413
Be	9	2	H2	78.509852	3.3	50897.143
B	11	2	H2	73.962564	4.7	53323.117
Na	23	1	He	2019.627531	1.3	3800107.237
Mg	24	1	He	2011.293140	1.4	2096121.217
Al	27	1	He	1977.973545	0.7	1114931.170
Si	28	2	H2	983.572127	4.8	4344874.333
K	39	1	He	2043.327225	2.1	3292689.430
Ca	43	1	He	2012.710984	1.6	9587.960
Ca	44	1	He	2003.468221	1.2	159834.490
Ti	47	1	He	77.422109	0.8	39556.757
V	51	1	He	82.472600	1.6	995053.920
Cr	52	1	He	82.629823	0.9	1194325.997
Mn	55	1	He	83.044063	1.4	907329.790
Fe	56	1	He	1032.506328	1.7	13654164.000
Co	59	1	He	83.840552	1.3	1772282.540
Ni	60	1	He	84.201163	0.7	436503.583
Cu	63	1	He	86.409489	0.7	1152449.247
Zn	66	1	He	81.548968	0.8	224334.033
As	75	1	He	79.418180	0.8	179045.963
Se	78	2	H2	78.838914	0.5	88777.960
Sr	88	1	He	76.020253	0.7	1445147.267
Mo	95	1	He	82.167784	0.4	684594.207
Pd	105	1	He	79.523315	1.5	964789.257
Ag	107	1	He	39.917369	4.3	965893.787
Cd	111	1	He	78.519974	0.6	361392.977
Sn	118	1	He	78.185982	1.9	944912.850
Sb	121	1	He	75.062618	1.0	1183519.227
Ba	138	1	He	80.852121	1.0	3141407.037
Pt	195	1	He	80.030511	2.2	1157085.557
Hg	202	1	He	3.640342	1.3	26619.040
Tl	205	1	He	40.165941	1.4	2122464.293
Pb	206	1	He	81.222677	1.0	1457440.553
Pb	207	1	He	84.467628	1.1	1266411.230
Pb	208	1	He	82.298348	0.5	5824700.797
Bi	209	1	He	83.852619	1.9	4669876.080
Th	232	1	He	78.377666	2.0	6251360.743
U	238	1	He	76.477466	1.7	6239522.827

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.56311978	1034167.810
Sc	45	2	H2	95.20267435	6380646.667
Ge	72	1	He	94.02366724	636673.230
Ge	72	2	H2	95.90324797	1739544.420
In	115	1	He	94.32345185	6875607.540
Tb	159	1	He	96.19761569	15576528.937
Ir	193	1	He	95.72131150	7482747.390

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	160_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:46:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.038334	24.2	94.167
Be	9	2	H2	0.018121	13.8	17.833
B	11	2	H2	-1.341429		2006.813
Na	23	1	He	-0.547849		15781.820
Mg	24	1	He	-2.517473		776.690
Al	27	1	He	0.391259	9.5	455.677
Si	28	2	H2	-0.096923		11632.300
K	39	1	He	7.516847	8.2	135886.860
Ca	43	1	He	1.034017	91.0	14.897
Ca	44	1	He	0.628487	107.8	225.603
Ti	47	1	He	-0.004825		0.667
V	51	1	He	-0.010720		-1818.427
Cr	52	1	He	-0.007740		430.677
Mn	55	1	He	-0.045940		412.007
Fe	56	1	He	0.268219	9.8	20042.440
Co	59	1	He	0.001401	58.5	128.667
Ni	60	1	He	-0.127704		194.667
Cu	63	1	He	0.001548	108.1	327.337
Zn	66	1	He	0.019652	78.6	270.000
As	75	1	He	-0.020660		215.167
Se	78	2	H2	0.009134	27.7	27.667
Sr	88	1	He	0.002745	117.2	275.007
Mo	95	1	He	0.008032	56.3	88.333
Pd	105	1	He	0.006435	84.6	113.337
Ag	107	1	He	0.215472	17.4	6114.487
Cd	111	1	He	0.006875	81.4	34.973
Sn	118	1	He	0.017932	7.2	388.343
Sb	121	1	He	0.003681	73.3	151.667
Ba	138	1	He	0.012999	3.0	666.687
Pt	195	1	He	0.006318	37.9	183.337
Hg	202	1	He	0.023348	21.4	250.010
Tl	205	1	He	0.043872	31.5	3108.683
Pb	206	1	He	0.007855	11.7	238.333
Pb	207	1	He	-0.002955		928.373
Pb	208	1	He	0.005267	28.6	1655.053
Bi	209	1	He	0.002089	99.5	1716.797
Th	232	1	He	0.007550	9.8	665.020
U	238	1	He	0.003372	20.3	366.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.01663943	1017255.083
Sc	45	2	H2	94.65305399	6343810.167
Ge	72	1	He	91.80404240	621643.230
Ge	72	2	H2	96.13289459	1743709.873
In	115	1	He	94.78706065	6909401.810
Tb	159	1	He	97.32258240	15758686.013
Ir	193	1	He	96.73798235	7562222.807

Sample Name	4322455_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	161SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:50:21
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.019861	45.9	82.333
Be	9	2	H2	0.014195	17.8	15.667
B	11	2	H2	-1.161119		2190.180
Na	23	1	He	9.270099	5.1	34445.387
Mg	24	1	He	0.588270	25.4	4022.133
Al	27	1	He	3.627474	7.6	2287.150
Si	28	2	H2	1.653996	10.7	19809.723
K	39	1	He	7.964274	3.5	138875.233
Ca	43	1	He	9.605892	18.6	55.967
Ca	44	1	He	12.070441	1.8	1141.503
Ti	47	1	He	0.216921	6.5	114.000
V	51	1	He	0.080122	60.5	-756.837
Cr	52	1	He	0.424706	2.1	6687.247
Mn	55	1	He	0.054867	16.9	1519.403
Fe	56	1	He	5.653448	1.5	91529.667
Co	59	1	He	0.008366	20.9	275.333
Ni	60	1	He	-0.061074		536.677
Cu	63	1	He	0.329525	3.7	4643.283
Zn	66	1	He	1.350969	2.2	3881.763
As	75	1	He	-0.032677		190.667
Se	78	2	H2	-0.001730		15.667
Sr	88	1	He	0.042885	16.1	1055.043
Mo	95	1	He	0.012188	17.7	123.333
Pd	105	1	He	0.003357	74.7	76.667
Ag	107	1	He	0.042149	16.8	1931.793
Cd	111	1	He	0.011389	35.0	56.630
Sn	118	1	He	0.034030	6.4	591.687
Sb	121	1	He	0.007509	29.0	215.000
Ba	138	1	He	0.084617	4.5	3530.400
Pt	195	1	He	0.007948	39.2	210.007
Hg	202	1	He	0.012626	79.6	173.337
Tl	205	1	He	0.006282	34.1	1116.720
Pb	206	1	He	0.037740	8.4	791.697
Pb	207	1	He	0.028842	0.5	1430.077
Pb	208	1	He	0.036175	4.5	3921.880
Bi	209	1	He	0.006055	36.3	1966.830
Th	232	1	He	0.007418	12.3	665.023
U	238	1	He	0.004453	24.7	463.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.58490722	1034406.083
Sc	45	2	H2	97.16774886	6512349.333
Ge	72	1	He	92.73371668	627938.440
Ge	72	2	H2	97.79418275	1773843.207
In	115	1	He	96.05543710	7001858.760
Tb	159	1	He	98.67642448	15977903.093
Ir	193	1	He	98.29145937	7683661.553

Sample Name	4322456_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	162SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:53:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.334786	4.6	80201.057
Be	9	2	H2	106.868533	3.9	68684.457
B	11	2	H2	102.582873	4.1	72176.233
Na	23	1	He	2251.585043	4.2	4115310.980
Mg	24	1	He	2216.495406	4.4	2244505.590
Al	27	1	He	2175.689917	4.1	1191787.667
Si	28	2	H2	541.150047	5.3	2375352.667
K	39	1	He	2261.376063	3.9	3528808.903
Ca	43	1	He	2252.635074	3.3	10429.830
Ca	44	1	He	2195.002987	5.3	170116.473
Ti	47	1	He	103.964306	4.3	51617.323
V	51	1	He	112.344599	4.6	1317778.347
Cr	52	1	He	113.937822	4.4	1600123.833
Mn	55	1	He	112.085769	4.0	1189886.873
Fe	56	1	He	2285.376038	4.3	29351180.000
Co	59	1	He	116.328144	5.7	2408729.917
Ni	60	1	He	116.320369	4.6	590554.793
Cu	63	1	He	117.348053	4.9	1533320.957
Zn	66	1	He	113.302466	4.4	305341.927
As	75	1	He	108.802101	4.2	240285.843
Se	78	2	H2	105.742432	0.4	118939.333
Sr	88	1	He	109.271474	4.1	1975677.523
Mo	95	1	He	110.579748	4.6	902729.857
Pd	105	1	He	21.847662	3.3	252177.550
Ag	107	1	He	51.317302	0.7	1181729.303
Cd	111	1	He	108.944654	2.7	477045.267
Sn	118	1	He	104.715775	2.8	1203993.707
Sb	121	1	He	104.261664	3.9	1563625.290
Ba	138	1	He	110.346488	2.9	4154527.960
Pt	195	1	He	21.682299	2.0	303915.527
Hg	202	1	He	0.027184	20.8	266.677
Tl	205	1	He	112.093450	3.9	5737448.663
Pb	206	1	He	113.464386	2.7	1972790.023
Pb	207	1	He	114.183185	3.4	1658338.257
Pb	208	1	He	113.323864	3.1	7771291.343
Bi	209	1	He	114.809058	3.4	6195051.993
Th	232	1	He	112.251993	4.1	8598578.623
U	238	1	He	105.894564	3.9	8297512.170

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.99045347	1006032.437
Sc	45	2	H2	94.38531739	6325866.000
Ge	72	1	He	92.25545620	624699.940
Ge	72	2	H2	95.80380480	1737740.667
In	115	1	He	89.78623626	6544872.043
Tb	159	1	He	93.26422124	15101547.273
Ir	193	1	He	91.98997214	7191060.310

Sample Name	10607514001_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	163SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 19:57:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.791692	8.6	650.177
Be	9	2	H2	0.044499	17.8	34.167
B	11	2	H2	3.889945	15.5	5440.913
Na	23	1	He	1027.109321	0.3	1868266.223
Mg	24	1	He	250.965790	0.4	254614.853
Al	27	1	He	276.378100	0.8	150150.253
Si	28	2	H2	729.107337	3.1	3136660.583
K	39	1	He	845.299387	2.0	1382665.347
Ca	43	1	He	1904.065303	1.1	8731.343
Ca	44	1	He	1945.256239	0.9	149365.750
Ti	47	1	He	9.022705	17.3	4444.840
V	51	1	He	0.872127	10.6	8482.787
Cr	52	1	He	1.680550	0.5	23898.397
Mn	55	1	He	16.679554	0.1	176115.103
Fe	56	1	He	367.215336	0.8	4684918.667
Co	59	1	He	0.642132	2.0	13037.403
Ni	60	1	He	2.294677	1.1	12138.100
Cu	63	1	He	111.625088	1.5	1419182.623
Zn	66	1	He	46.466329	0.1	121951.223
As	75	1	He	0.969317	3.1	2334.653
Se	78	2	H2	0.130594	10.3	160.000
Sr	88	1	He	6.586391	0.5	122548.173
Mo	95	1	He	0.168009	15.9	1356.790
Pd	105	1	He	0.008120	55.4	130.000
Ag	107	1	He	0.222869	21.8	6126.160
Cd	111	1	He	0.162017	11.4	731.280
Sn	118	1	He	0.444432	4.5	5414.237
Sb	121	1	He	0.656748	2.9	10209.793
Ba	138	1	He	10.847964	1.0	413691.023
Pt	195	1	He	0.011640	17.1	253.343
Hg	202	1	He	0.028596	35.4	280.013
Tl	205	1	He	0.035127	13.7	2563.567
Pb	206	1	He	1.996354	0.3	35235.420
Pb	207	1	He	2.019964	0.7	30634.377
Pb	208	1	He	1.993502	0.8	139640.797
Bi	209	1	He	0.020431	14.3	2666.953
Th	232	1	He	0.056145	3.4	4440.670
U	238	1	He	0.023748	4.7	1983.480

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.01156610	995327.060
Sc	45	2	H2	92.68158604	6211679.000
Ge	72	1	He	89.63244740	606938.460
Ge	72	2	H2	93.41286162	1694372.460
In	115	1	He	92.16714679	6718425.980
Tb	159	1	He	94.38194169	15282531.020
Ir	193	1	He	93.73130366	7327184.060

Sample Name	4323803_B70204Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	164SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:01:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.163067	5.1	191.167
Be	9	2	H2	0.019906	37.1	19.333
B	11	2	H2	-0.420984		2680.253
Na	23	1	He	209.794441	1.0	410071.243
Mg	24	1	He	50.565998	1.0	56024.300
Al	27	1	He	58.513835	3.7	33214.037
Si	28	2	H2	149.853831	5.4	679321.667
K	39	1	He	176.812617	0.7	400496.373
Ca	43	1	He	384.240929	4.3	1839.157
Ca	44	1	He	393.730808	2.8	31561.373
Ti	47	1	He	1.672553	8.9	858.023
V	51	1	He	0.245406	53.3	1243.577
Cr	52	1	He	0.487547	42.6	7602.800
Mn	55	1	He	3.388891	1.1	37911.530
Fe	56	1	He	74.444852	1.0	1000211.897
Co	59	1	He	0.129630	1.5	2814.897
Ni	60	1	He	0.364736	1.2	2720.217
Cu	63	1	He	22.364209	0.7	295606.123
Zn	66	1	He	9.675348	1.1	26552.953
As	75	1	He	0.170306	5.0	644.010
Se	78	2	H2	0.029797	18.0	51.333
Sr	88	1	He	1.350980	0.2	26254.810
Mo	95	1	He	0.029927	22.0	270.003
Pd	105	1	He	0.000941	217.9	46.667
Ag	107	1	He	0.047915	17.9	2065.147
Cd	111	1	He	0.030022	20.8	143.253
Sn	118	1	He	0.165976	9.8	2205.167
Sb	121	1	He	0.127195	1.2	2126.820
Ba	138	1	He	2.214976	0.8	87947.780
Pt	195	1	He	0.005326	111.7	170.007
Hg	202	1	He	0.009200	95.5	146.670
Tl	205	1	He	0.000900	280.7	820.030
Pb	206	1	He	0.405873	6.2	7526.830
Pb	207	1	He	0.409937	2.8	7246.697
Pb	208	1	He	0.401574	3.5	30279.503
Bi	209	1	He	0.003653	73.0	1820.147
Th	232	1	He	0.012518	5.7	1065.050
U	238	1	He	0.005820	7.5	568.353

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.56287594	1034165.143
Sc	45	2	H2	96.18988173	6446811.000
Ge	72	1	He	93.10367237	630443.563
Ge	72	2	H2	96.82551760	1756273.040
In	115	1	He	95.61414840	6969691.490
Tb	159	1	He	98.13093358	15889576.010
Ir	193	1	He	96.66971956	7556886.553

Sample Name	4322457_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	165SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:04:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.903493	4.7	79670.743
Be	9	2	H2	107.192367	4.6	68076.580
B	11	2	H2	108.579397	6.4	75335.747
Na	23	1	He	3186.803854	0.3	5910857.203
Mg	24	1	He	2398.140314	0.1	2467154.023
Al	27	1	He	2378.978293	0.1	1323959.210
Si	28	2	H2	1331.308418	5.8	5756326.167
K	39	1	He	2993.967672	0.7	4705673.783
Ca	43	1	He	4004.662572	0.6	18825.870
Ca	44	1	He	4089.922772	1.0	321979.587
Ti	47	1	He	111.774226	0.7	56386.730
V	51	1	He	111.309588	1.4	1326629.087
Cr	52	1	He	111.643581	0.5	1593083.127
Mn	55	1	He	124.038413	0.6	1337650.710
Fe	56	1	He	2542.196353	0.2	33171188.667
Co	59	1	He	114.294985	0.9	2367689.583
Ni	60	1	He	115.861451	0.7	588283.857
Cu	63	1	He	221.755647	0.6	2897808.250
Zn	66	1	He	155.225439	0.2	418261.657
As	75	1	He	107.001274	0.3	236311.803
Se	78	2	H2	105.445974	0.7	116847.710
Sr	88	1	He	110.538076	0.6	2057318.823
Mo	95	1	He	110.873397	0.5	905222.047
Pd	105	1	He	21.426052	0.7	254540.417
Ag	107	1	He	48.625374	2.3	1152006.960
Cd	111	1	He	104.917362	0.3	472787.163
Sn	118	1	He	103.000631	1.2	1218891.857
Sb	121	1	He	101.435182	1.1	1565856.903
Ba	138	1	He	117.725168	0.5	4460023.893
Pt	195	1	He	20.892121	1.2	294622.893
Hg	202	1	He	0.021804	39.4	230.007
Tl	205	1	He	108.938063	0.5	5611894.293
Pb	206	1	He	111.990796	1.0	1959300.963
Pb	207	1	He	112.871423	0.7	1649679.457
Pb	208	1	He	112.754770	1.1	7780831.297
Bi	209	1	He	112.177704	1.2	6091502.200
Th	232	1	He	110.525071	2.0	8499828.207
U	238	1	He	106.407325	1.6	8370421.963

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	93.36391841	1021053.020
Sc	45	2	H2	93.29927886	6253077.833
Ge	72	1	He	92.13649386	623894.397
Ge	72	2	H2	94.38797914	1712059.663
In	115	1	He	92.35337609	6732000.967
Tb	159	1	He	93.79628232	15187699.770
Ir	193	1	He	92.29902797	7215219.890

Sample Name	4322458_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	166SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:08:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	101.878229	4.1	76168.160
Be	9	2	H2	101.640857	3.6	64750.760
B	11	2	H2	105.131852	4.7	73260.587
Na	23	1	He	3026.472976	0.1	5569829.920
Mg	24	1	He	2287.032945	0.2	2334339.340
Al	27	1	He	2289.124884	0.8	1263877.793
Si	28	2	H2	1283.664706	5.4	5569976.667
K	39	1	He	2856.594389	1.2	4459957.953
Ca	43	1	He	3843.716435	0.5	17926.533
Ca	44	1	He	3842.005835	0.4	300075.317
Ti	47	1	He	105.266347	0.8	52680.367
V	51	1	He	105.746607	0.7	1250276.377
Cr	52	1	He	106.767886	0.7	1511462.960
Mn	55	1	He	119.441327	0.3	1277920.087
Fe	56	1	He	2437.924487	0.2	31558892.667
Co	59	1	He	108.638991	1.5	2258377.833
Ni	60	1	He	110.396013	0.9	562538.873
Cu	63	1	He	208.198180	0.9	2730263.000
Zn	66	1	He	146.729910	0.8	396774.293
As	75	1	He	102.054417	0.8	226191.870
Se	78	2	H2	100.724372	0.5	111363.760
Sr	88	1	He	106.443026	0.9	1959969.290
Mo	95	1	He	104.657706	1.1	857478.320
Pd	105	1	He	20.537536	0.6	241387.040
Ag	107	1	He	47.046633	3.0	1102508.477
Cd	111	1	He	100.468488	1.1	447889.910
Sn	118	1	He	99.123037	0.6	1160409.983
Sb	121	1	He	96.163243	0.7	1468673.673
Ba	138	1	He	112.203193	1.0	4278787.747
Pt	195	1	He	20.057939	0.6	284755.953
Hg	202	1	He	0.022534	10.9	236.677
Tl	205	1	He	104.627508	0.2	5425706.377
Pb	206	1	He	107.689750	0.8	1896441.220
Pb	207	1	He	108.317607	2.0	1593431.383
Pb	208	1	He	107.878746	1.0	7493250.463
Bi	209	1	He	107.085840	1.0	5853298.663
Th	232	1	He	103.470258	0.4	8063824.673
U	238	1	He	99.399222	0.5	7923190.297

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.62305795	1012950.770
Sc	45	2	H2	93.55673521	6270333.000
Ge	72	1	He	92.46408715	626112.667
Ge	72	2	H2	94.17115274	1708126.750
In	115	1	He	91.37017358	6660331.467
Tb	159	1	He	94.42048903	15288772.690
Ir	193	1	He	93.51417354	7310210.517

Sample Name	10607926001_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	167SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:11:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.035279	20.8	90.000
Be	9	2	H2	0.036847	11.5	29.333
B	11	2	H2	-0.722398		2390.217
Na	23	1	He	4.196848	2.8	24421.160
Mg	24	1	He	0.768032	8.7	4122.157
Al	27	1	He	3.289916	6.9	2054.113
Si	28	2	H2	1.504405	18.0	18300.443
K	39	1	He	8.376074	5.3	136614.867
Ca	43	1	He	9.303129	9.9	53.370
Ca	44	1	He	9.997820	11.6	955.783
Ti	47	1	He	0.103174	28.0	54.667
V	51	1	He	0.037031	212.0	-1249.590
Cr	52	1	He	0.339364	5.2	5341.470
Mn	55	1	He	0.012581	26.1	1036.033
Fe	56	1	He	2.884312	0.8	53803.503
Co	59	1	He	0.008153	15.3	266.667
Ni	60	1	He	-0.081064		428.010
Cu	63	1	He	0.068596	10.5	1193.380
Zn	66	1	He	1.100208	4.3	3151.623
As	75	1	He	-0.018887		217.833
Se	78	2	H2	0.010973	75.9	29.333
Sr	88	1	He	0.018820	17.5	578.347
Mo	95	1	He	0.020237	13.4	186.667
Pd	105	1	He	0.005945	62.0	106.667
Ag	107	1	He	0.224770	18.3	6309.563
Cd	111	1	He	0.011650	20.3	56.610
Sn	118	1	He	0.049077	11.6	761.690
Sb	121	1	He	0.010424	27.6	256.673
Ba	138	1	He	0.030987	22.4	1365.070
Pt	195	1	He	0.010324	53.7	240.007
Hg	202	1	He	0.004915	14.7	113.333
Tl	205	1	He	0.024563	20.4	2065.157
Pb	206	1	He	0.019403	22.2	445.010
Pb	207	1	He	0.015633	29.2	1201.723
Pb	208	1	He	0.019672	8.4	2668.443
Bi	209	1	He	0.011108	48.5	2210.207
Th	232	1	He	0.016782	10.6	1411.747
U	238	1	He	0.006016	17.6	586.683

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.61953969	1012912.293
Sc	45	2	H2	92.87266092	6224485.167
Ge	72	1	He	91.29772278	618214.730
Ge	72	2	H2	94.52877772	1714613.543
In	115	1	He	94.18278459	6865353.750
Tb	159	1	He	96.65709306	15650928.520
Ir	193	1	He	96.95553883	7579229.680

Sample Name	10608170001_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	168SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:15:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	7.791491	2.1	5259.067
Be	9	2	H2	0.026175	14.9	20.333
B	11	2	H2	178.102511	1.4	109116.313
Na	23	1	He	962531.6100	1.4	1793160399.95
Mg	24	1	He	34074.93431	0.8	35267401.973
Al	27	1	He	36.965199	3.2	20969.943
Si	28	2	H2	8531.109206	0.8	33007590.000
K	39	1	He	368441.3475	0.4	568023591.533
Ca	43	1	He	115297.8303	0.7	545724.850
Ca	44	1	He	116967.2401	0.8	9271383.657
Ti	47	1	He	1.125160	11.2	576.013
V	51	1	He	0.276484	13.9	1600.937
Cr	52	1	He	1.178346	1.8	17481.103
Mn	55	1	He	223.526594	1.0	2427499.833
Fe	56	1	He	3632.743668	1.6	47733894.667
Co	59	1	He	0.711194	0.8	13956.100
Ni	60	1	He	2.425858	1.8	12360.263
Cu	63	1	He	4.538255	1.6	56068.940
Zn	66	1	He	21.473329	2.1	54599.300
As	75	1	He	3.368676	1.9	7235.133
Se	78	2	H2	1.102438	0.8	1144.040
Sr	88	1	He	225.472988	0.6	3801351.403
Mo	95	1	He	41.179280	1.8	316209.747
Pd	105	1	He	0.037793	17.5	436.680
Ag	107	1	He	0.152369	20.3	4040.523
Cd	111	1	He	0.027270	66.9	113.473
Sn	118	1	He	0.173240	4.4	2008.470
Sb	121	1	He	0.255132	0.6	3650.420
Ba	138	1	He	62.208405	0.6	2179173.143
Pt	195	1	He	0.009899	28.1	210.010
Hg	202	1	He	0.012763	29.0	153.340
Tl	205	1	He	0.074656	9.3	4237.283
Pb	206	1	He	0.310169	0.6	5102.533
Pb	207	1	He	0.279180	5.1	4639.050
Pb	208	1	He	0.294218	0.7	19909.917
Bi	209	1	He	0.005933	41.2	1723.457
Th	232	1	He	0.030549	3.4	2071.820
U	238	1	He	1.139996	1.6	77375.427

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	94.06152646	1028682.250
Sc	45	2	H2	83.68997809	5609046.000
Ge	72	1	He	86.68090360	586952.333
Ge	72	2	H2	87.18258760	1581364.417
In	115	1	He	83.66503232	6098673.403
Tb	159	1	He	86.72843569	14043258.540
Ir	193	1	He	79.55460038	6218959.697

Sample Name	10608170001_B70204Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	169SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:19:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.499338	8.4	443.010
Be	9	2	H2	0.013730	22.0	15.000
B	11	2	H2	9.569844	9.8	9419.203
Na	23	1	He	49619.06046	1.3	96215415.230
Mg	24	1	He	1774.845768	1.4	1914901.950
Al	27	1	He	2.942463	6.4	1967.110
Si	28	2	H2	481.367892	6.3	2124688.417
K	39	1	He	18886.17827	0.8	30421886.213
Ca	43	1	He	5863.167586	1.4	28887.473
Ca	44	1	He	6020.284731	1.1	496726.283
Ti	47	1	He	0.073254	15.3	42.000
V	51	1	He	0.031505	164.2	-1388.690
Cr	52	1	He	0.087321	6.3	1874.767
Mn	55	1	He	11.628380	0.9	132317.503
Fe	56	1	He	193.587291	1.1	2663959.583
Co	59	1	He	0.031712	7.1	778.020
Ni	60	1	He	0.020841	62.9	975.367
Cu	63	1	He	0.315592	4.6	4556.597
Zn	66	1	He	1.189709	3.3	3518.357
As	75	1	He	0.153567	4.5	617.177
Se	78	2	H2	0.047759	3.1	71.333
Sr	88	1	He	10.704011	1.9	206550.883
Mo	95	1	He	1.995481	1.3	16771.513
Pd	105	1	He	0.004175	97.0	86.667
Ag	107	1	He	0.001899	277.5	938.370
Cd	111	1	He	0.003230	94.6	18.300
Sn	118	1	He	0.108051	10.4	1496.747
Sb	121	1	He	0.013829	20.8	315.010
Ba	138	1	He	3.066312	0.6	121033.173
Pt	195	1	He	0.001963	33.4	120.000
Hg	202	1	He	0.012429	19.2	170.003
Tl	205	1	He	-0.003909		558.353
Pb	206	1	He	0.017065	8.5	406.677
Pb	207	1	He	0.008033	68.6	1098.383
Pb	208	1	He	0.015337	14.8	2383.430
Bi	209	1	He	-0.001772		1503.433
Th	232	1	He	0.004174	74.5	380.023
U	238	1	He	0.055161	8.1	4479.020

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	97.87020589	1070334.997
Sc	45	2	H2	94.86139940	6357773.833
Ge	72	1	He	94.71745974	641371.187
Ge	72	2	H2	96.26495230	1746105.207
In	115	1	He	95.65989239	6973025.950
Tb	159	1	He	97.60290222	15804076.013
Ir	193	1	He	93.41193667	7302218.433

Sample Name	10608381001_B70204Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	170SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:22:48
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	9.132707	3.1	6578.647
Be	9	2	H2	0.019244	49.2	17.667
B	11	2	H2	58.338570	3.3	40060.080
Na	23	1	He	44028.79845	1.4	80660662.133
Mg	24	1	He	9942.628914	1.5	10119163.393
Al	27	1	He	41.739693	1.0	23239.217
Si	28	2	H2	8363.637469	5.3	34619846.667
K	39	1	He	1798.282816	1.1	2848547.563
Ca	43	1	He	71694.42345	1.0	333616.290
Ca	44	1	He	72347.98603	1.2	5637726.867
Ti	47	1	He	0.972286	4.8	488.677
V	51	1	He	0.232005	52.4	1058.063
Cr	52	1	He	1.016550	3.4	14896.130
Mn	55	1	He	16.770975	1.0	179895.260
Fe	56	1	He	119.984833	2.3	1566030.210
Co	59	1	He	0.264512	1.4	5357.483
Ni	60	1	He	0.626870	3.8	3861.100
Cu	63	1	He	3.804691	0.4	48035.093
Zn	66	1	He	361.598885	0.5	935340.293
As	75	1	He	0.269447	7.0	822.020
Se	78	2	H2	0.300988	2.6	332.667
Sr	88	1	He	419.759948	0.6	7725984.467
Mo	95	1	He	0.433031	3.5	3417.037
Pd	105	1	He	0.059280	17.5	730.030
Ag	107	1	He	-0.001192		823.360
Cd	111	1	He	0.027876	18.3	127.307
Sn	118	1	He	0.089665	10.2	1213.387
Sb	121	1	He	0.889905	3.9	13675.577
Ba	138	1	He	20.102960	0.7	763931.030
Pt	195	1	He	0.009092	73.5	216.673
Hg	202	1	He	0.011410	24.6	156.670
Tl	205	1	He	-0.000775		700.023
Pb	206	1	He	0.301447	2.4	5380.967
Pb	207	1	He	0.265500	3.3	4830.770
Pb	208	1	He	0.286898	1.3	21088.857
Bi	209	1	He	0.004259	77.0	1776.813
Th	232	1	He	0.008662	17.8	716.690
U	238	1	He	0.233983	5.1	18390.923

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	92.46744609	1011248.957
Sc	45	2	H2	89.38716132	5990881.000
Ge	72	1	He	88.47641716	599110.500
Ge	72	2	H2	89.55296481	1624359.587
In	115	1	He	91.33589807	6657832.990
Tb	159	1	He	94.06971354	15231974.353
Ir	193	1	He	91.81044865	7177026.560

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	171_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:26:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.886856	5.6	55474.130
Be	9	2	H2	76.986770	5.2	47321.077
B	11	2	H2	74.751531	5.1	51046.880
Na	23	1	He	2022.289890	1.6	3684745.050
Mg	24	1	He	1987.701047	1.7	2006105.857
Al	27	1	He	1972.203986	1.2	1076492.627
Si	28	2	H2	966.099710	5.6	4046136.500
K	39	1	He	2042.320917	1.1	3187176.823
Ca	43	1	He	2003.227134	1.3	9241.250
Ca	44	1	He	1987.711371	1.3	153564.307
Ti	47	1	He	76.541640	1.0	37869.180
V	51	1	He	80.838604	1.1	944468.110
Cr	52	1	He	81.449213	0.8	1140053.000
Mn	55	1	He	82.382490	1.6	871621.167
Fe	56	1	He	1021.101110	1.7	13076619.333
Co	59	1	He	82.292261	1.8	1686568.623
Ni	60	1	He	82.771298	0.7	416036.803
Cu	63	1	He	84.322422	1.2	1090348.917
Zn	66	1	He	80.377901	0.6	214383.550
As	75	1	He	78.172099	1.1	170873.580
Se	78	2	H2	76.452402	1.4	81412.217
Sr	88	1	He	75.189799	1.4	1395776.180
Mo	95	1	He	80.161936	1.4	647508.923
Pd	105	1	He	77.951851	0.7	923496.547
Ag	107	1	He	39.182347	2.6	925854.123
Cd	111	1	He	77.449909	0.3	348071.303
Sn	118	1	He	77.031302	0.6	909088.970
Sb	121	1	He	73.925639	0.5	1138194.930
Ba	138	1	He	79.941332	1.4	3056053.290
Pt	195	1	He	78.106678	0.7	1111154.490
Hg	202	1	He	3.530242	2.5	25400.633
Tl	205	1	He	39.346397	0.3	2045701.220
Pb	206	1	He	79.354643	1.1	1400853.313
Pb	207	1	He	83.134029	0.7	1226259.617
Pb	208	1	He	80.930222	0.6	5635453.820
Bi	209	1	He	83.452677	0.3	4573035.243
Th	232	1	He	78.750988	1.2	6092980.117
U	238	1	He	75.417935	1.6	5968463.037

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.56998531	1001434.083
Sc	45	2	H2	90.28881186	6051311.167
Ge	72	1	He	91.15912250	617276.210
Ge	72	2	H2	90.70391903	1645236.210
In	115	1	He	92.10318619	6713763.640
Tb	159	1	He	94.64366719	15324910.187
Ir	193	1	He	92.83937875	7257460.310

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	172_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:29:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.055899	25.6	104.667
Be	9	2	H2	0.022495	45.4	20.167
B	11	2	H2	-0.837490		2300.190
Na	23	1	He	22.009821	6.1	56490.680
Mg	24	1	He	-2.305748		978.367
Al	27	1	He	0.299692	22.7	398.670
Si	28	2	H2	0.345879	34.4	13249.300
K	39	1	He	12.075113	9.0	140710.700
Ca	43	1	He	1.744860	27.6	17.963
Ca	44	1	He	2.325155	48.7	353.023
Ti	47	1	He	0.011294	88.7	8.667
V	51	1	He	-0.026497		-1976.190
Cr	52	1	He	-0.003599		482.010
Mn	55	1	He	-0.057632		282.000
Fe	56	1	He	0.026047	62.9	16645.000
Co	59	1	He	0.001943	8.5	138.000
Ni	60	1	He	-0.134007		160.667
Cu	63	1	He	0.037686	7.0	787.353
Zn	66	1	He	0.010411	92.1	242.000
As	75	1	He	-0.009038		237.500
Se	78	2	H2	0.007303	57.9	25.000
Sr	88	1	He	0.011432	8.5	436.677
Mo	95	1	He	0.009009	6.5	95.000
Pd	105	1	He	0.007901	78.5	130.003
Ag	107	1	He	0.218088	22.7	6122.837
Cd	111	1	He	0.006221	43.5	31.637
Sn	118	1	He	0.024664	32.0	465.010
Sb	121	1	He	0.005914	9.8	185.000
Ba	138	1	He	0.014244	7.9	701.687
Pt	195	1	He	0.005868	41.4	173.337
Hg	202	1	He	0.020795	14.6	226.677
Tl	205	1	He	0.042707	25.8	2986.983
Pb	206	1	He	0.003438	22.6	155.000
Pb	207	1	He	-0.003099		908.367
Pb	208	1	He	0.003349	52.0	1488.377
Bi	209	1	He	0.006205	64.1	1910.160
Th	232	1	He	0.009369	7.7	793.367
U	238	1	He	0.004462	30.1	446.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.63700451	1002167.023
Sc	45	2	H2	92.55048674	6202892.500
Ge	72	1	He	90.58606941	613395.830
Ge	72	2	H2	93.74086238	1700321.913
In	115	1	He	93.82158567	6839024.540
Tb	159	1	He	95.42866098	15452018.103
Ir	193	1	He	94.52804335	7389466.970

Sample Name	4319206_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	173SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:33:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.061640	21.4	109.167
Be	9	2	H2	0.034208	29.8	27.500
B	11	2	H2	-0.751141		2356.860
Na	23	1	He	24.432807	4.0	60812.350
Mg	24	1	He	3.226379	11.1	6547.880
Al	27	1	He	7.205051	1.0	4164.483
Si	28	2	H2	1.548423	16.2	18435.243
K	39	1	He	10.336889	23.6	137917.930
Ca	43	1	He	17.202092	8.0	89.130
Ca	44	1	He	17.219167	4.3	1501.613
Ti	47	1	He	0.089608	30.2	47.333
V	51	1	He	-0.002526		-1697.753
Cr	52	1	He	0.840635	1.3	12285.503
Mn	55	1	He	0.035223	42.6	1262.717
Fe	56	1	He	7.170284	1.4	107947.923
Co	59	1	He	0.017484	2.8	448.677
Ni	60	1	He	-0.049328		575.343
Cu	63	1	He	0.636634	1.3	8372.643
Zn	66	1	He	0.886206	2.9	2528.187
As	75	1	He	-0.009019		234.500
Se	78	2	H2	0.013588	35.5	31.667
Sr	88	1	He	0.044027	4.6	1050.040
Mo	95	1	He	0.046171	14.9	388.343
Pd	105	1	He	0.004632	95.4	90.003
Ag	107	1	He	0.044769	20.1	1945.130
Cd	111	1	He	0.014605	52.2	69.883
Sn	118	1	He	0.113338	10.2	1526.750
Sb	121	1	He	0.012120	25.5	281.673
Ba	138	1	He	0.045085	10.3	1895.127
Pt	195	1	He	0.007480	77.2	196.670
Hg	202	1	He	0.011929	34.6	163.333
Tl	205	1	He	0.010072	14.0	1281.733
Pb	206	1	He	0.174105	3.6	3202.020
Pb	207	1	He	0.174868	6.3	3563.763
Pb	208	1	He	0.181509	2.6	14034.187
Bi	209	1	He	0.082754	6.7	6154.653
Th	232	1	He	0.008514	3.0	735.027
U	238	1	He	0.003666	27.4	386.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.51296008	1000810.440
Sc	45	2	H2	92.64206900	6209030.500
Ge	72	1	He	89.43017849	605568.813
Ge	72	2	H2	92.98888636	1686682.170
In	115	1	He	93.57690789	6821189.013
Tb	159	1	He	95.70424602	15496641.437
Ir	193	1	He	95.71564555	7482304.470

Sample Name	4319207_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	174SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:37:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	104.570711	5.8	73132.043
Be	9	2	H2	105.636723	5.3	62956.803
B	11	2	H2	99.798169	6.0	65180.833
Na	23	1	He	2200.072037	1.0	3868836.297
Mg	24	1	He	2108.560234	0.7	2054388.927
Al	27	1	He	2091.128081	0.4	1101980.210
Si	28	2	H2	532.761014	6.0	2168279.123
K	39	1	He	2159.443613	1.5	3246723.390
Ca	43	1	He	2121.529598	0.8	9448.113
Ca	44	1	He	2115.066708	1.2	157749.107
Ti	47	1	He	99.545894	0.8	47549.000
V	51	1	He	107.905233	0.9	1217714.363
Cr	52	1	He	108.159589	1.1	1461408.997
Mn	55	1	He	107.839369	0.3	1101325.337
Fe	56	1	He	2172.070559	1.0	26838494.000
Co	59	1	He	109.595081	1.7	2182232.250
Ni	60	1	He	110.033204	0.3	537077.000
Cu	63	1	He	110.620269	0.2	1389689.293
Zn	66	1	He	108.741497	0.2	281718.530
As	75	1	He	104.641939	0.7	222147.157
Se	78	2	H2	104.718576	2.0	109132.223
Sr	88	1	He	101.279846	1.4	1810987.630
Mo	95	1	He	106.959201	1.2	839405.220
Pd	105	1	He	21.014053	0.8	239860.270
Ag	107	1	He	47.476076	3.0	1080610.243
Cd	111	1	He	103.052677	1.0	446138.690
Sn	118	1	He	101.186260	0.5	1150331.443
Sb	121	1	He	100.595823	0.8	1491985.547
Ba	138	1	He	104.062025	0.2	3906543.690
Pt	195	1	He	20.775652	0.4	290308.153
Hg	202	1	He	0.012156	30.7	160.003
Tl	205	1	He	107.645576	0.2	5494834.707
Pb	206	1	He	107.973311	0.7	1871791.900
Pb	207	1	He	107.978519	1.1	1563821.433
Pb	208	1	He	107.718840	0.5	7365618.797
Bi	209	1	He	109.001088	1.2	5865118.663
Th	232	1	He	106.436729	0.8	8174500.087
U	238	1	He	101.063936	1.4	7939360.713

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	88.40583885	966830.123
Sc	45	2	H2	87.54398760	5867348.333
Ge	72	1	He	88.56724949	599725.563
Ge	72	2	H2	88.76909261	1610141.293
In	115	1	He	88.72749559	6467696.270
Tb	159	1	He	92.94211442	15049391.030
Ir	193	1	He	92.15705516	7204121.560

Sample Name	10607493001_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	175SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:40:38
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	60.157676	1.2	39615.847
Be	9	2	H2	0.089809	7.3	55.667
B	11	2	H2	163.290115	4.2	98833.673
Na	23	1	He	93500.64344	1.1	162658347.577
Mg	24	1	He	95079.51952	2.0	91864628.633
Al	27	1	He	1107.698555	1.4	579890.060
Si	28	2	H2	14378.82588	5.8	54860330.667
K	39	1	He	5599.625970	2.0	8174666.753
Ca	43	1	He	220520.5532	1.5	974459.817
Ca	44	1	He	221956.7094	2.2	16423822.170
Ti	47	1	He	30.248670	1.1	14355.677
V	51	1	He	11.576769	2.0	128333.713
Cr	52	1	He	9.062268	1.8	122085.897
Mn	55	1	He	22.295463	0.8	226845.543
Fe	56	1	He	983.857224	1.7	12082780.333
Co	59	1	He	0.512175	1.4	9726.643
Ni	60	1	He	1.385720	4.5	7145.430
Cu	63	1	He	2.071463	1.9	24863.150
Zn	66	1	He	12.351334	2.2	30406.350
As	75	1	He	3.690681	1.3	7632.130
Se	78	2	H2	3.666015	3.9	3618.043
Sr	88	1	He	2874.873103	0.6	48119874.283
Mo	95	1	He	0.988606	2.5	7351.620
Pd	105	1	He	0.448697	2.9	4824.117
Ag	107	1	He	0.263677	23.5	6384.603
Cd	111	1	He	0.035364	25.5	146.127
Sn	118	1	He	0.380859	2.4	4202.220
Sb	121	1	He	0.082113	4.8	1221.723
Ba	138	1	He	166.658385	1.1	6004041.997
Pt	195	1	He	0.016651	15.0	306.677
Hg	202	1	He	0.007691	11.6	123.333
Tl	205	1	He	0.037252	17.8	2525.227
Pb	206	1	He	1.190914	2.4	19899.113
Pb	207	1	He	1.169842	3.3	17140.977
Pb	208	1	He	1.170523	2.2	77967.450
Bi	209	1	He	0.027289	11.6	2873.670
Th	232	1	He	0.201256	3.6	14264.950
U	238	1	He	2.986449	1.0	215830.777

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	87.81949512	960417.710
Sc	45	2	H2	82.40542431	5522953.000
Ge	72	1	He	83.69185558	566712.250
Ge	72	2	H2	83.70790639	1518338.790
In	115	1	He	83.06297748	6054787.257
Tb	159	1	He	89.19776208	14443097.287
Ir	193	1	He	84.75313563	6625340.737

Sample Name	4322684_B70174Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	176SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:44:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	12.727854	3.9	8794.050
Be	9	2	H2	0.029868	12.9	23.000
B	11	2	H2	34.197608	5.3	23678.770
Na	23	1	He	18963.39359	1.4	32864672.847
Mg	24	1	He	19586.35418	0.8	18849352.220
Al	27	1	He	225.910989	1.5	117953.000
Si	28	2	H2	3098.018343	6.4	12335198.667
K	39	1	He	1138.973315	1.8	1749061.067
Ca	43	1	He	44581.46990	1.2	196189.297
Ca	44	1	He	45063.84160	1.6	3321087.740
Ti	47	1	He	6.220417	4.0	2941.587
V	51	1	He	2.340760	4.6	24566.070
Cr	52	1	He	1.888438	1.6	25736.890
Mn	55	1	He	4.547683	1.8	46750.673
Fe	56	1	He	204.507096	0.7	2513525.500
Co	59	1	He	0.102223	2.5	2068.127
Ni	60	1	He	0.176737	12.0	1621.410
Cu	63	1	He	0.437591	2.4	5619.563
Zn	66	1	He	2.583616	2.9	6691.933
As	75	1	He	0.727739	4.3	1740.917
Se	78	2	H2	0.693465	3.3	729.353
Sr	88	1	He	556.409757	1.4	9783477.560
Mo	95	1	He	0.202961	2.2	1566.753
Pd	105	1	He	0.086794	15.2	1006.720
Ag	107	1	He	0.045707	9.1	1835.117
Cd	111	1	He	0.005874	50.7	27.863
Sn	118	1	He	0.164455	7.6	1995.137
Sb	121	1	He	0.014814	22.7	301.670
Ba	138	1	He	32.759231	0.8	1214931.517
Pt	195	1	He	0.003477	127.7	133.337
Hg	202	1	He	0.004302	22.5	103.333
Tl	205	1	He	0.000062	4615.2	726.690
Pb	206	1	He	0.241459	4.2	4223.940
Pb	207	1	He	0.235401	0.6	4283.950
Pb	208	1	He	0.239044	3.0	17348.743
Bi	209	1	He	0.007370	7.1	1900.143
Th	232	1	He	0.039584	4.8	2993.650
U	238	1	He	0.576852	0.3	43926.650

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	87.44344522	956305.127
Sc	45	2	H2	85.96354713	5761424.500
Ge	72	1	He	85.92193220	581813.023
Ge	72	2	H2	87.62754489	1589435.290
In	115	1	He	87.25792673	6360573.613
Tb	159	1	He	91.81500415	14866886.863
Ir	193	1	He	89.16701439	6970383.437

Sample Name	4319208_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	177SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:47:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	155.593966	1.3	101315.963
Be	9	2	H2	98.435313	2.2	54661.297
B	11	2	H2	251.083766	3.6	149061.993
Na	23	1	He	95186.22832	0.9	162363957.580
Mg	24	1	He	96873.39284	1.1	91782398.630
Al	27	1	He	3448.359035	1.3	1769635.790
Si	28	2	H2	15075.23786	5.8	56947948.000
K	39	1	He	7785.186805	0.4	11099906.497
Ca	43	1	He	223164.2439	0.9	966958.700
Ca	44	1	He	222263.2634	0.9	16127569.600
Ti	47	1	He	136.200262	0.4	63360.117
V	51	1	He	120.746608	0.8	1327264.727
Cr	52	1	He	116.499247	1.1	1533001.623
Mn	55	1	He	127.116527	0.5	1264177.377
Fe	56	1	He	3175.985052	1.1	38212094.667
Co	59	1	He	107.090507	1.8	2007457.837
Ni	60	1	He	105.533256	1.8	484953.020
Cu	63	1	He	105.618320	1.2	1249130.087
Zn	66	1	He	114.107581	1.3	278285.877
As	75	1	He	109.798759	1.3	219430.753
Se	78	2	H2	103.312372	1.5	100840.413
Sr	88	1	He	2977.268881	0.3	48946675.937
Mo	95	1	He	111.681884	1.5	825128.217
Pd	105	1	He	20.155862	0.5	211532.607
Ag	107	1	He	46.464624	2.4	972445.323
Cd	111	1	He	101.513708	1.0	404108.233
Sn	118	1	He	104.644295	0.4	1093856.183
Sb	121	1	He	102.193552	0.5	1393672.793
Ba	138	1	He	277.627002	1.2	9873640.270
Pt	195	1	He	20.167347	0.7	266986.403
Hg	202	1	He	0.021398	44.7	213.340
Tl	205	1	He	102.936337	1.8	4977936.907
Pb	206	1	He	103.346108	1.9	1697266.487
Pb	207	1	He	104.310737	1.3	1431257.947
Pb	208	1	He	103.204634	1.2	6685688.027
Bi	209	1	He	100.391197	1.1	5117797.840
Th	232	1	He	108.717551	0.6	7663975.510
U	238	1	He	107.100928	2.0	7722359.050

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.09952814	941607.687
Sc	45	2	H2	81.55097738	5465686.500
Ge	72	1	He	83.38481141	564633.127
Ge	72	2	H2	83.12358192	1507740.000
In	115	1	He	81.58301786	5946907.177
Tb	159	1	He	88.05477744	14258022.707
Ir	193	1	He	84.58973040	6612566.987

Sample Name	4319209_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	178SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:51:21
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	161.092189	2.0	103769.863
Be	9	2	H2	100.961677	3.3	55453.857
B	11	2	H2	270.089725	4.5	158361.953
Na	23	1	He	97427.87051	0.4	166439860.853
Mg	24	1	He	98876.18078	0.5	93822768.603
Al	27	1	He	3337.016855	0.7	1715110.543
Si	28	2	H2	15561.26762	5.5	58098076.000
K	39	1	He	7817.770637	0.7	11162622.747
Ca	43	1	He	227608.3418	0.1	987717.130
Ca	44	1	He	227609.0852	0.9	16540313.200
Ti	47	1	He	130.937985	0.7	61003.493
V	51	1	He	119.755988	1.4	1318362.513
Cr	52	1	He	115.229109	0.4	1518599.670
Mn	55	1	He	126.040348	0.4	1255386.170
Fe	56	1	He	3071.518760	0.9	37011625.333
Co	59	1	He	106.440205	1.0	1992678.877
Ni	60	1	He	105.260085	0.4	483077.783
Cu	63	1	He	104.368422	0.7	1232693.250
Zn	66	1	He	111.205716	0.2	270862.873
As	75	1	He	109.141331	0.4	217830.160
Se	78	2	H2	106.828273	1.7	102543.097
Sr	88	1	He	3063.521292	1.1	49809340.927
Mo	95	1	He	111.761285	0.4	824631.340
Pd	105	1	He	20.581700	1.4	213624.943
Ag	107	1	He	46.654362	2.2	965631.757
Cd	111	1	He	102.323211	0.7	402847.540
Sn	118	1	He	104.723705	1.1	1082617.743
Sb	121	1	He	103.028351	0.1	1389622.373
Ba	138	1	He	272.528597	0.4	9602682.773
Pt	195	1	He	20.185507	1.6	264749.477
Hg	202	1	He	0.018701	19.7	193.337
Tl	205	1	He	103.140455	0.9	4941694.927
Pb	206	1	He	103.739767	0.9	1687978.670
Pb	207	1	He	103.801970	1.0	1411038.053
Pb	208	1	He	103.192622	0.7	6622850.627
Bi	209	1	He	100.869801	1.2	5094324.193
Th	232	1	He	109.390502	1.0	7597943.430
U	238	1	He	107.652782	1.2	7648269.887

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.22947647	943028.837
Sc	45	2	H2	80.68595179	5407711.000
Ge	72	1	He	83.26882728	563847.750
Ge	72	2	H2	81.75978894	1483002.793
In	115	1	He	80.68678444	5881577.197
Tb	159	1	He	87.23725259	14125647.290
Ir	193	1	He	83.34873378	6515555.527

Sample Name	10607493002_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	179SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:54:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	57.066515	0.6	35722.920
Be	9	2	H2	0.048238	18.1	30.833
B	11	2	H2	1287.936413	2.4	723997.957
Na	23	1	He	360999.9938	0.5	611353190.887
Mg	24	1	He	102779.3357	1.2	96683588.560
Al	27	1	He	4.764581	3.8	2646.527
Si	28	2	H2	15347.94703	4.3	55627293.333
K	39	1	He	6098.081915	1.1	8657110.497
Ca	43	1	He	274237.4728	2.1	1179746.667
Ca	44	1	He	274893.8518	1.7	19804079.543
Ti	47	1	He	0.169904	13.8	81.333
V	51	1	He	10.382451	0.3	111890.030
Cr	52	1	He	21.627621	1.2	282969.083
Mn	55	1	He	0.880909	1.2	9524.530
Fe	56	1	He	7.773608	1.1	108041.977
Co	59	1	He	0.080926	4.6	1531.407
Ni	60	1	He	0.595074	1.6	3328.320
Cu	63	1	He	0.183835	3.2	2337.497
Zn	66	1	He	4.596085	2.9	10859.980
As	75	1	He	4.152169	1.8	8123.683
Se	78	2	H2	5.060609	2.1	4750.640
Sr	88	1	He	3773.605514	1.1	60683055.760
Mo	95	1	He	0.955544	1.9	6748.020
Pd	105	1	He	0.570285	4.9	5884.477
Ag	107	1	He	0.266770	21.4	6196.203
Cd	111	1	He	0.010325	64.7	42.977
Sn	118	1	He	0.097626	2.7	1141.717
Sb	121	1	He	0.032716	11.9	515.013
Ba	138	1	He	35.727798	0.1	1238619.720
Pt	195	1	He	0.006982	60.3	170.003
Hg	202	1	He	0.022815	55.5	216.673
Tl	205	1	He	0.025445	20.5	1873.457
Pb	206	1	He	0.017732	20.3	368.343
Pb	207	1	He	0.013211	41.8	1035.043
Pb	208	1	He	0.017228	13.3	2215.083
Bi	209	1	He	0.006766	55.3	1746.803
Th	232	1	He	0.023700	7.6	1638.443
U	238	1	He	5.828990	1.1	400435.227

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	85.48704418	934909.397
Sc	45	2	H2	78.35563746	5251529.333
Ge	72	1	He	79.45359491	538013.230
Ge	72	2	H2	79.72171548	1446035.127
In	115	1	He	79.80492483	5817294.980
Tb	159	1	He	85.82530645	13897021.873
Ir	193	1	He	80.57802187	6298962.827

Sample Name	10607493003_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	180SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 20:58:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	56.644288	1.0	35963.380
Be	9	2	H2	0.033112	12.6	23.000
B	11	2	H2	1087.893995	2.2	620730.963
Na	23	1	He	360462.4982	1.9	621070990.747
Mg	24	1	He	97414.68990	1.1	93240681.943
Al	27	1	He	14.832352	3.4	7913.037
Si	28	2	H2	14309.51328	4.1	52621754.667
K	39	1	He	5995.510467	1.6	8662170.500
Ca	43	1	He	253891.1613	1.1	1111361.243
Ca	44	1	He	257474.5007	1.5	18873016.543
Ti	47	1	He	0.230979	16.4	111.333
V	51	1	He	10.107394	1.8	110796.053
Cr	52	1	He	11.536791	1.3	153819.433
Mn	55	1	He	215.514987	1.2	2164604.833
Fe	56	1	He	13.027245	0.9	173776.233
Co	59	1	He	0.493625	2.9	9077.650
Ni	60	1	He	2.827311	1.9	13343.617
Cu	63	1	He	0.309937	1.5	3831.753
Zn	66	1	He	3.589127	2.0	8690.127
As	75	1	He	3.788055	2.7	7576.443
Se	78	2	H2	3.821025	2.6	3607.037
Sr	88	1	He	3452.814081	1.0	56167827.497
Mo	95	1	He	1.892831	2.2	13605.447
Pd	105	1	He	0.522757	0.8	5457.643
Ag	107	1	He	0.076052	17.1	2325.177
Cd	111	1	He	0.012671	46.4	52.587
Sn	118	1	He	0.147786	11.3	1673.430
Sb	121	1	He	0.039945	7.8	618.350
Ba	138	1	He	39.177148	1.1	1371757.637
Pt	195	1	He	0.010159	8.5	213.340
Hg	202	1	He	0.018367	0.4	190.010
Tl	205	1	He	0.005673	67.2	951.703
Pb	206	1	He	0.035135	10.9	653.353
Pb	207	1	He	0.022566	44.5	1171.723
Pb	208	1	He	0.032252	3.6	3195.153
Bi	209	1	He	0.007968	73.9	1823.483
Th	232	1	He	0.011407	25.1	825.033
U	238	1	He	10.406509	0.4	725204.470

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.98562611	951298.293
Sc	45	2	H2	79.47867643	5326797.333
Ge	72	1	He	81.01039321	548554.957
Ge	72	2	H2	80.08190150	1452568.373
In	115	1	He	80.72946783	5884688.557
Tb	159	1	He	86.68242079	14035807.707
Ir	193	1	He	81.74589724	6390258.237

Sample Name	10607493004_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	181SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:02:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	59.428566	0.1	37468.927
Be	9	2	H2	0.054174	26.7	34.167
B	11	2	H2	1132.263548	3.0	641408.310
Na	23	1	He	371731.9659	0.7	637322883.837
Mg	24	1	He	100844.7456	1.4	96039018.567
Al	27	1	He	4.321194	1.9	2450.833
Si	28	2	H2	15026.93650	4.6	54855833.333
K	39	1	He	6146.955372	0.6	8833927.577
Ca	43	1	He	261363.0400	0.2	1138352.023
Ca	44	1	He	262702.4807	0.8	19160411.420
Ti	47	1	He	0.149257	42.2	72.667
V	51	1	He	10.136922	1.7	110560.503
Cr	52	1	He	11.727123	0.5	155570.353
Mn	55	1	He	224.073673	1.0	2239310.583
Fe	56	1	He	11.176044	0.6	150514.313
Co	59	1	He	0.505740	3.1	9319.767
Ni	60	1	He	2.836018	1.1	13415.010
Cu	63	1	He	0.239462	7.4	3030.930
Zn	66	1	He	2.950575	1.7	7194.800
As	75	1	He	3.866856	0.7	7748.680
Se	78	2	H2	3.997865	3.4	3760.403
Sr	88	1	He	3571.078136	1.1	57998980.800
Mo	95	1	He	1.444185	0.8	10411.527
Pd	105	1	He	0.516542	1.8	5384.270
Ag	107	1	He	0.046015	5.0	1701.767
Cd	111	1	He	0.031138	22.1	125.213
Sn	118	1	He	0.150455	4.4	1698.437
Sb	121	1	He	0.040769	8.7	628.353
Ba	138	1	He	40.498683	0.3	1412571.697
Pt	195	1	He	0.011509	34.9	230.007
Hg	202	1	He	0.023569	9.7	223.343
Tl	205	1	He	0.004089	30.7	873.367
Pb	206	1	He	0.026388	17.2	510.013
Pb	207	1	He	0.024416	29.9	1191.723
Pb	208	1	He	0.028333	12.2	2933.463
Bi	209	1	He	0.016246	27.0	2230.213
Th	232	1	He	0.013193	5.1	943.370
U	238	1	He	10.652895	1.0	739918.453

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.54490424	946478.440
Sc	45	2	H2	78.92139438	5289447.333
Ge	72	1	He	81.20637048	549882.000
Ge	72	2	H2	79.82097708	1447835.587
In	115	1	He	80.59902451	5875180.030
Tb	159	1	He	86.34878575	13981784.790
Ir	193	1	He	81.47398164	6369001.990

Sample Name	10607493005_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	182SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:05:47
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	45.259031	0.8	28968.930
Be	9	2	H2	0.032194	19.0	22.667
B	11	2	H2	1148.506739	2.3	660165.760
Na	23	1	He	330888.3929	1.5	567630244.873
Mg	24	1	He	91507.04617	2.0	87196668.700
Al	27	1	He	14.081450	1.2	7489.517
Si	28	2	H2	14705.96605	4.5	54487246.667
K	39	1	He	5179.883399	1.1	7466802.597
Ca	43	1	He	259424.8479	1.2	1130568.393
Ca	44	1	He	260685.2520	1.5	19024647.260
Ti	47	1	He	0.199152	15.5	96.000
V	51	1	He	6.581844	8.8	71246.387
Cr	52	1	He	116.596723	1.5	1543134.460
Mn	55	1	He	0.235678	1.4	3198.967
Fe	56	1	He	14.954947	0.7	196326.930
Co	59	1	He	0.099692	5.5	1897.443
Ni	60	1	He	1.201058	1.9	6077.043
Cu	63	1	He	0.253882	4.3	3178.297
Zn	66	1	He	1.921717	1.9	4727.303
As	75	1	He	3.886275	1.8	7743.513
Se	78	2	H2	5.508641	3.3	5235.113
Sr	88	1	He	3190.967425	0.6	52226402.553
Mo	95	1	He	0.980315	3.1	7034.817
Pd	105	1	He	0.467791	6.7	4917.450
Ag	107	1	He	0.031684	14.1	1416.737
Cd	111	1	He	0.032032	29.4	129.557
Sn	118	1	He	0.162816	4.2	1840.120
Sb	121	1	He	0.041020	5.9	636.687
Ba	138	1	He	37.780489	1.0	1312462.297
Pt	195	1	He	0.008234	52.4	186.670
Hg	202	1	He	0.012957	16.5	153.333
Tl	205	1	He	0.005410	37.5	931.700
Pb	206	1	He	0.052712	4.5	930.037
Pb	207	1	He	0.048783	22.1	1513.420
Pb	208	1	He	0.052837	5.4	4471.940
Bi	209	1	He	0.026761	18.4	2743.623
Th	232	1	He	0.015590	2.6	1093.387
U	238	1	He	8.409359	0.8	577370.953

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.59989313	947079.813
Sc	45	2	H2	80.08284130	5367289.500
Ge	72	1	He	80.76282111	546878.543
Ge	72	2	H2	80.71959100	1464135.127
In	115	1	He	81.21908959	5920379.013
Tb	159	1	He	86.00324942	13925834.790
Ir	193	1	He	80.53429893	6295544.907

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	183_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:09:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	78.610044	6.5	53113.043
Be	9	2	H2	77.855331	6.3	44814.847
B	11	2	H2	87.470830	7.7	55509.867
Na	23	1	He	2123.732772	2.2	3625418.487
Mg	24	1	He	2027.319834	1.6	1917281.797
Al	27	1	He	1970.596402	1.4	1007925.087
Si	28	2	H2	964.331957	7.0	3781887.500
K	39	1	He	2021.540758	1.7	2957413.390
Ca	43	1	He	1999.385088	2.0	8642.740
Ca	44	1	He	1969.155285	2.9	142556.207
Ti	47	1	He	75.513959	1.7	35008.830
V	51	1	He	80.405265	1.6	880297.897
Cr	52	1	He	81.298297	2.0	1066312.520
Mn	55	1	He	82.636605	1.1	819305.540
Fe	56	1	He	1022.304742	2.3	12268490.000
Co	59	1	He	82.351711	2.0	1582124.960
Ni	60	1	He	82.171935	1.6	387149.520
Cu	63	1	He	84.184698	1.3	1020392.123
Zn	66	1	He	80.557095	1.0	201400.467
As	75	1	He	77.456253	1.3	158707.423
Se	78	2	H2	75.828622	1.7	75748.893
Sr	88	1	He	75.660503	1.0	1311318.313
Mo	95	1	He	80.934947	0.9	612799.143
Pd	105	1	He	78.941695	0.3	873144.310
Ag	107	1	He	39.494487	2.5	871198.190
Cd	111	1	He	77.562910	0.6	325443.897
Sn	118	1	He	77.387320	1.0	852719.467
Sb	121	1	He	74.346626	0.9	1068746.103
Ba	138	1	He	78.016651	0.9	2839461.210
Pt	195	1	He	78.303737	1.6	1060532.170
Hg	202	1	He	3.678452	3.8	25193.420
Tl	205	1	He	39.896537	0.3	1974841.223
Pb	206	1	He	80.247427	1.4	1348656.597
Pb	207	1	He	83.575557	0.8	1173640.737
Pb	208	1	He	81.418597	0.9	5397597.290
Bi	209	1	He	83.159208	1.4	4338441.707
Th	232	1	He	78.370465	2.0	5829233.663
U	238	1	He	76.352328	2.7	5808931.163

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	85.80391029	938374.730
Sc	45	2	H2	84.53795448	5665878.833
Ge	72	1	He	85.44474190	578581.770
Ge	72	2	H2	85.08691817	1543352.043
In	115	1	He	85.99005535	6268153.480
Tb	159	1	He	90.10525037	14590039.780
Ir	193	1	He	89.25519048	6977276.357

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	184_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:12:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.078484	5.2	116.167
Be	9	2	H2	0.025983	16.9	21.333
B	11	2	H2	6.993436	12.1	7151.510
Na	23	1	He	53.627384	3.1	109013.800
Mg	24	1	He	0.500494	65.8	3645.403
Al	27	1	He	0.275353	12.3	369.000
Si	28	2	H2	0.883729	81.6	14807.747
K	39	1	He	12.997785	13.2	136013.917
Ca	43	1	He	7.730237	28.0	43.613
Ca	44	1	He	7.718260	26.5	737.063
Ti	47	1	He	0.012119	72.2	8.667
V	51	1	He	-0.045931		-2112.697
Cr	52	1	He	0.005486	15.2	583.343
Mn	55	1	He	-0.061075		235.333
Fe	56	1	He	0.008526	74.7	15717.500
Co	59	1	He	0.001170	117.3	116.000
Ni	60	1	He	-0.131895		162.667
Cu	63	1	He	0.016794	17.6	492.677
Zn	66	1	He	0.006031	209.6	218.667
As	75	1	He	0.005607	110.4	255.667
Se	78	2	H2	0.006051	40.2	22.333
Sr	88	1	He	0.079274	5.5	1643.423
Mo	95	1	He	0.011158	28.1	106.667
Pd	105	1	He	0.014465	35.7	200.007
Ag	107	1	He	0.224224	9.0	5987.747
Cd	111	1	He	0.003498	114.1	18.300
Sn	118	1	He	0.028348	25.7	486.677
Sb	121	1	He	0.004362	63.2	153.333
Ba	138	1	He	0.014722	22.4	701.690
Pt	195	1	He	0.006170	63.3	173.337
Hg	202	1	He	0.013072	115.7	166.670
Tl	205	1	He	0.038240	19.6	2685.260
Pb	206	1	He	0.003654	33.2	155.000
Pb	207	1	He	0.002148	240.4	961.710
Pb	208	1	He	0.003159	39.3	1438.383
Bi	209	1	He	0.007027	21.8	1906.820
Th	232	1	He	0.008724	30.2	730.027
U	238	1	He	0.003431	4.9	356.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	87.70660593	959183.123
Sc	45	2	H2	88.39070321	5924096.667
Ge	72	1	He	86.00840748	582398.583
Ge	72	2	H2	88.84063220	1611438.917
In	115	1	He	89.67736904	6536936.283
Tb	159	1	He	93.04675571	15066334.777
Ir	193	1	He	92.86656501	7259585.520

Sample Name	10607493007_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	185SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:16:32
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	59.318496	1.9	37690.637
Be	9	2	H2	0.061053	4.2	38.167
B	11	2	H2	246.028001	4.9	142447.897
Na	23	1	He	77143.27973	0.7	127055001.440
Mg	24	1	He	87515.60211	1.1	80058250.473
Al	27	1	He	256.578181	1.3	127331.463
Si	28	2	H2	14310.49469	6.4	52689053.333
K	39	1	He	9174.048020	0.8	12609322.727
Ca	43	1	He	200645.3436	0.6	839431.683
Ca	44	1	He	202221.6863	1.1	14167390.527
Ti	47	1	He	6.178285	2.2	2777.560
V	51	1	He	8.730423	1.7	91258.700
Cr	52	1	He	7.302625	1.1	93235.470
Mn	55	1	He	17.377914	0.1	167567.853
Fe	56	1	He	212.406011	1.5	2481258.333
Co	59	1	He	0.179175	4.8	3288.983
Ni	60	1	He	0.590753	1.3	3312.980
Cu	63	1	He	0.716377	2.5	8344.623
Zn	66	1	He	6.500953	0.9	15299.200
As	75	1	He	3.250528	1.6	6414.657
Se	78	2	H2	4.259430	3.1	4020.460
Sr	88	1	He	2412.797792	1.6	39160083.583
Mo	95	1	He	0.696848	0.8	4930.737
Pd	105	1	He	0.376911	4.0	3933.867
Ag	107	1	He	0.082191	9.1	2446.860
Cd	111	1	He	0.024391	21.1	98.520
Sn	118	1	He	0.311650	3.3	3360.360
Sb	121	1	He	0.067287	4.1	985.040
Ba	138	1	He	90.027274	1.0	3139043.807
Pt	195	1	He	0.014052	35.1	263.343
Hg	202	1	He	0.028257	76.7	253.343
Tl	205	1	He	0.021344	21.1	1690.107
Pb	206	1	He	0.256468	2.1	4213.927
Pb	207	1	He	0.250610	7.0	4233.927
Pb	208	1	He	0.254038	0.7	17265.370
Bi	209	1	He	0.019709	12.8	2403.563
Th	232	1	He	0.038111	7.4	2693.590
U	238	1	He	6.791166	0.6	482072.520

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.13202856	909154.310
Sc	45	2	H2	79.48645501	5327318.667
Ge	72	1	He	79.52726883	538512.107
Ge	72	2	H2	80.10717918	1453026.873
In	115	1	He	80.54636050	5871341.143
Tb	159	1	He	86.32942717	13978650.207
Ir	193	1	He	83.26257253	6508820.110

Sample Name	10607493008_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	186SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:20:09
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	61.315485	3.8	41813.867
Be	9	2	H2	0.051923	1.6	35.667
B	11	2	H2	97.901823	2.8	62347.333
Na	23	1	He	30924.21841	0.7	52979825.877
Mg	24	1	He	10563.73528	0.6	10053293.393
Al	27	1	He	313.239060	0.4	161624.077
Si	28	2	H2	2292.714299	5.8	9063032.833
K	39	1	He	5846.709047	0.4	8399735.917
Ca	43	1	He	56511.42629	0.6	245890.733
Ca	44	1	He	57628.56277	1.0	4199152.020
Ti	47	1	He	8.428242	1.3	3939.770
V	51	1	He	2.887035	5.2	30326.067
Cr	52	1	He	2.479767	1.1	33260.380
Mn	55	1	He	13.100481	0.8	131583.840
Fe	56	1	He	296.018287	0.7	3590422.000
Co	59	1	He	0.204670	2.9	3951.113
Ni	60	1	He	0.749633	0.5	4228.513
Cu	63	1	He	3.259152	0.9	39058.870
Zn	66	1	He	23.884609	0.5	58769.720
As	75	1	He	0.559325	0.8	1361.717
Se	78	2	H2	0.791478	1.2	811.687
Sr	88	1	He	1870.024849	0.5	32565598.683
Mo	95	1	He	3.759310	2.5	27964.120
Pd	105	1	He	0.287190	6.6	3223.707
Ag	107	1	He	0.034825	4.1	1576.753
Cd	111	1	He	0.279150	2.8	1180.000
Sn	118	1	He	0.421086	4.3	4817.387
Sb	121	1	He	0.688001	3.1	10023.033
Ba	138	1	He	463.158899	0.2	17116260.993
Pt	195	1	He	0.010287	30.2	226.677
Hg	202	1	He	0.018255	27.1	200.007
Tl	205	1	He	0.016699	10.8	1558.423
Pb	206	1	He	0.599842	6.1	10323.420
Pb	207	1	He	0.604882	4.5	9536.270
Pb	208	1	He	0.605728	1.3	41968.413
Bi	209	1	He	0.056639	20.4	4504.100
Th	232	1	He	0.058037	4.8	4383.980
U	238	1	He	0.727749	1.4	55645.307

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	86.45899897	945538.957
Sc	45	2	H2	85.28928558	5716234.333
Ge	72	1	He	83.89837914	568110.707
Ge	72	2	H2	85.69344216	1554353.500
In	115	1	He	86.41816276	6299359.913
Tb	159	1	He	91.49734644	14815451.030
Ir	193	1	He	89.56851577	7001769.690

Sample Name	10607493012_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	187SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:23:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	54.180835	1.9	33809.770
Be	9	2	H2	0.023967	9.0	17.833
B	11	2	H2	1173.607008	2.5	658096.773
Na	23	1	He	368497.7434	0.5	620603764.087
Mg	24	1	He	101582.2507	0.5	95033185.250
Al	27	1	He	24.837298	1.4	12802.750
Si	28	2	H2	14780.85115	3.8	53436461.333
K	39	1	He	6281.551984	0.7	8865107.573
Ca	43	1	He	270187.8802	1.2	1156010.170
Ca	44	1	He	270633.6246	0.4	19390231.500
Ti	47	1	He	0.189811	12.1	90.000
V	51	1	He	9.469870	3.3	101348.137
Cr	52	1	He	31.586955	0.5	410782.583
Mn	55	1	He	0.975973	1.0	10405.013
Fe	56	1	He	10.672632	0.7	141877.603
Co	59	1	He	0.141271	5.2	2601.530
Ni	60	1	He	4.090293	1.0	18558.233
Cu	63	1	He	0.874341	1.4	10090.853
Zn	66	1	He	17.592775	2.4	40923.770
As	75	1	He	3.827447	1.1	7485.737
Se	78	2	H2	5.235182	3.0	4856.003
Sr	88	1	He	3473.386326	0.7	55417934.177
Mo	95	1	He	0.928501	2.0	6537.957
Pd	105	1	He	0.501330	1.5	5134.227
Ag	107	1	He	0.036970	12.2	1488.413
Cd	111	1	He	0.035048	3.3	138.040
Sn	118	1	He	0.089145	3.9	1046.710
Sb	121	1	He	0.038322	18.7	585.013
Ba	138	1	He	40.428177	1.4	1379560.343
Pt	195	1	He	0.005598	28.0	150.000
Hg	202	1	He	0.006625	23.4	110.000
Tl	205	1	He	0.007122	4.1	995.043
Pb	206	1	He	0.131620	9.0	2156.827
Pb	207	1	He	0.110367	4.0	2296.860
Pb	208	1	He	0.121064	1.1	8632.603
Bi	209	1	He	0.016411	17.8	2190.197
Th	232	1	He	0.010777	10.2	755.027
U	238	1	He	9.749798	0.6	656157.897

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	85.01424617	929738.750
Sc	45	2	H2	78.12971069	5236387.333
Ge	72	1	He	79.23477948	536531.540
Ge	72	2	H2	78.81994530	1429678.337
In	115	1	He	79.17397467	5771302.540
Tb	159	1	He	84.47857688	13678956.467
Ir	193	1	He	78.94436659	6171256.367

Sample Name	10607493013_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	188SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:27:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	54.481462	1.1	34385.450
Be	9	2	H2	0.029218	5.6	20.833
B	11	2	H2	1193.471453	2.1	676412.853
Na	23	1	He	373931.3523	0.4	634765363.873
Mg	24	1	He	103310.3043	0.5	97416321.880
Al	27	1	He	82.005374	0.3	42099.123
Si	28	2	H2	14978.35424	4.6	54727730.667
K	39	1	He	6389.535002	1.5	9086890.907
Ca	43	1	He	277676.0720	1.0	1197425.880
Ca	44	1	He	274301.5670	1.4	19808684.403
Ti	47	1	He	0.278761	30.0	132.000
V	51	1	He	9.775289	1.5	105504.643
Cr	52	1	He	31.414656	0.7	411787.657
Mn	55	1	He	16.712003	1.0	166131.347
Fe	56	1	He	825.207074	1.7	9892242.000
Co	59	1	He	0.144489	3.7	2657.537
Ni	60	1	He	2.372783	2.0	11058.760
Cu	63	1	He	0.564164	0.8	6597.890
Zn	66	1	He	3.564973	1.9	8435.337
As	75	1	He	3.953914	1.3	7718.000
Se	78	2	H2	5.306468	3.1	4962.363
Sr	88	1	He	3500.127122	1.5	56418715.827
Mo	95	1	He	0.971066	4.3	6829.743
Pd	105	1	He	0.564298	4.4	5834.437
Ag	107	1	He	0.022804	16.0	1213.390
Cd	111	1	He	0.015031	18.4	61.287
Sn	118	1	He	0.133332	6.0	1510.087
Sb	121	1	He	0.040239	5.5	616.687
Ba	138	1	He	41.904750	2.3	1445711.070
Pt	195	1	He	0.005467	98.5	150.003
Hg	202	1	He	0.021357	53.9	206.673
Tl	205	1	He	-0.002744		543.350
Pb	206	1	He	0.058770	7.5	1020.043
Pb	207	1	He	0.058214	10.6	1628.437
Pb	208	1	He	0.060519	5.5	4923.663
Bi	209	1	He	0.011666	9.2	1980.163
Th	232	1	He	0.009023	17.5	643.357
U	238	1	He	10.339023	2.2	699644.547

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	85.69101927	937140.123
Sc	45	2	H2	78.97745830	5293204.833
Ge	72	1	He	79.15433740	535986.833
Ge	72	2	H2	79.44141905	1440950.960
In	115	1	He	79.99391436	5831071.170
Tb	159	1	He	85.41566783	13830692.290
Ir	193	1	He	79.37934102	6205259.283

Sample Name	10607493014_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	189SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:30:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	55.931084	0.7	34166.387
Be	9	2	H2	0.020003	12.1	15.333
B	11	2	H2	1224.648485	1.3	671817.283
Na	23	1	He	371916.0226	0.2	614242324.180
Mg	24	1	He	102740.8727	0.3	94255931.927
Al	27	1	He	16.762323	1.4	8542.307
Si	28	2	H2	15224.37446	3.5	53857600.000
K	39	1	He	6308.572322	0.3	8730577.370
Ca	43	1	He	270879.5156	0.7	1136480.600
Ca	44	1	He	273989.8228	0.1	19250640.387
Ti	47	1	He	0.243873	13.1	112.667
V	51	1	He	9.296601	3.5	97560.157
Cr	52	1	He	32.786186	0.2	418105.170
Mn	55	1	He	1.361760	2.3	13916.690
Fe	56	1	He	19.996223	0.4	247709.407
Co	59	1	He	0.164881	3.5	2948.253
Ni	60	1	He	5.674866	1.8	24830.387
Cu	63	1	He	1.306570	0.7	14573.263
Zn	66	1	He	18.532838	1.0	42029.017
As	75	1	He	3.855202	1.7	7349.513
Se	78	2	H2	5.421587	0.5	4892.017
Sr	88	1	He	3506.316996	1.6	54545764.190
Mo	95	1	He	0.992642	5.6	6814.717
Pd	105	1	He	0.550385	4.5	5494.330
Ag	107	1	He	0.011818	4.6	953.370
Cd	111	1	He	0.019551	33.7	76.290
Sn	118	1	He	0.362281	1.9	3722.103
Sb	121	1	He	0.033511	19.9	508.347
Ba	138	1	He	41.346933	1.5	1384194.040
Pt	195	1	He	0.014936	42.2	263.343
Hg	202	1	He	0.017045	11.5	173.340
Tl	205	1	He	-0.003487		493.343
Pb	206	1	He	0.174489	2.6	2778.607
Pb	207	1	He	0.174296	0.9	3078.663
Pb	208	1	He	0.169811	0.5	11441.630
Bi	209	1	He	0.006506	27.2	1673.460
Th	232	1	He	0.005703	0.8	413.343
U	238	1	He	9.825919	0.9	648818.770

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.36935841	911749.813
Sc	45	2	H2	76.47151184	5125252.000
Ge	72	1	He	77.25279135	523110.677
Ge	72	2	H2	76.64276874	1390187.543
In	115	1	He	77.20149273	5627520.570
Tb	159	1	He	82.88182232	13420406.467
Ir	193	1	He	77.45420059	6054766.783

Sample Name	10607493015_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	190SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:34:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	70.100857	1.3	43201.830
Be	9	2	H2	0.013049	20.5	11.833
B	11	2	H2	259.482753	3.8	145576.437
Na	23	1	He	130128.0647	0.5	213700663.480
Mg	24	1	He	112709.8587	1.2	102811301.803
Al	27	1	He	7.262668	0.5	3800.730
Si	28	2	H2	12345.88145	5.6	44085550.667
K	39	1	He	5894.965969	0.6	8118915.920
Ca	43	1	He	257762.1561	0.1	1075307.357
Ca	44	1	He	260716.4983	0.6	18213563.607
Ti	47	1	He	0.246913	13.8	113.333
V	51	1	He	9.027986	1.5	94148.300
Cr	52	1	He	27.650734	0.6	350685.207
Mn	55	1	He	1.497412	0.6	15135.007
Fe	56	1	He	1102.817912	1.2	12784373.667
Co	59	1	He	0.286088	2.2	5100.743
Ni	60	1	He	7.633271	1.4	33473.000
Cu	63	1	He	0.481950	2.7	5591.557
Zn	66	1	He	30.088152	0.6	68772.227
As	75	1	He	3.966375	1.1	7627.463
Se	78	2	H2	4.839858	1.3	4412.557
Sr	88	1	He	3682.731382	1.1	58124235.800
Mo	95	1	He	0.992770	4.4	6879.747
Pd	105	1	He	0.567814	10.1	5747.740
Ag	107	1	He	-0.004057		648.350
Cd	111	1	He	0.004433	111.5	19.603
Sn	118	1	He	0.043263	11.4	575.020
Sb	121	1	He	0.028998	9.1	456.677
Ba	138	1	He	103.850322	0.4	3514253.073
Pt	195	1	He	0.008611	19.4	186.673
Hg	202	1	He	0.013060	63.5	150.003
Tl	205	1	He	-0.007914		295.007
Pb	206	1	He	0.015103	24.5	318.340
Pb	207	1	He	0.009745	128.5	965.040
Pb	208	1	He	0.014464	18.3	1991.733
Bi	209	1	He	-0.001163		1320.087
Th	232	1	He	0.003375	31.5	270.007
U	238	1	He	5.080122	0.5	344333.313

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.89430857	906554.540
Sc	45	2	H2	77.13788043	5169913.167
Ge	72	1	He	77.98689940	528081.627
Ge	72	2	H2	77.41745442	1404239.207
In	115	1	He	78.32418755	5709358.213
Tb	159	1	He	83.77942936	13565748.967
Ir	193	1	He	79.50082224	6214755.740

Sample Name	4319210_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	191SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:38:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	164.608590	0.9	103554.530
Be	9	2	H2	97.439049	1.3	52263.263
B	11	2	H2	326.145977	4.3	186382.070
Na	23	1	He	126461.0478	0.8	210564996.867
Mg	24	1	He	109668.5468	1.0	101424441.823
Al	27	1	He	2102.817489	0.7	1053491.477
Si	28	2	H2	10764.05902	6.4	39287904.000
K	39	1	He	7804.402518	0.6	10861862.340
Ca	43	1	He	251168.4146	0.7	1062347.827
Ca	44	1	He	251479.4596	0.5	17812771.140
Ti	47	1	He	101.829068	2.0	46235.720
V	51	1	He	117.352098	1.3	1259083.683
Cr	52	1	He	132.790440	1.4	1705528.500
Mn	55	1	He	106.198937	1.3	1031035.707
Fe	56	1	He	3109.693436	1.5	36520485.333
Co	59	1	He	107.428147	1.4	1929732.623
Ni	60	1	He	111.661238	0.5	491694.940
Cu	63	1	He	103.574210	0.9	1173836.710
Zn	66	1	He	129.878557	0.5	303513.313
As	75	1	He	112.228560	0.3	214929.207
Se	78	2	H2	111.881043	0.4	104199.330
Sr	88	1	He	3655.133679	0.9	58179364.133
Mo	95	1	He	112.564206	1.2	796915.850
Pd	105	1	He	20.241701	0.6	205681.360
Ag	107	1	He	41.706630	4.2	845178.660
Cd	111	1	He	100.892921	0.8	388859.773
Sn	118	1	He	104.104486	0.6	1053617.903
Sb	121	1	He	103.432770	1.0	1365713.937
Ba	138	1	He	205.514166	1.3	6985230.523
Pt	195	1	He	20.209770	1.0	255709.217
Hg	202	1	He	0.019757	18.3	193.340
Tl	205	1	He	102.937624	0.7	4757690.970
Pb	206	1	He	102.601444	0.7	1610475.027
Pb	207	1	He	102.502370	0.7	1344187.950
Pb	208	1	He	101.701513	0.8	6296639.490
Bi	209	1	He	99.729554	1.7	4858890.550
Th	232	1	He	110.037366	1.1	7387063.430
U	238	1	He	109.222061	1.5	7499911.557

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	84.05111340	919205.670
Sc	45	2	H2	78.80589699	5281706.500
Ge	72	1	He	79.90274085	541054.583
Ge	72	2	H2	79.32291683	1438801.503
In	115	1	He	78.99056472	5757933.067
Tb	159	1	He	84.15597337	13626719.800
Ir	193	1	He	80.55611772	6297250.530

Sample Name	10607493016_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	192SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:41:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	65.851158	1.6	40187.713
Be	9	2	H2	0.041916	22.9	26.833
B	11	2	H2	252.187795	4.3	140175.427
Na	23	1	He	123851.1924	1.2	202900063.643
Mg	24	1	He	106591.1369	1.6	96995688.553
Al	27	1	He	10.373217	1.1	5324.437
Si	28	2	H2	11304.96057	6.1	39976277.333
K	39	1	He	5679.103582	1.1	7806673.220
Ca	43	1	He	250745.9725	0.7	1043490.033
Ca	44	1	He	252823.9169	1.3	17619373.450
Ti	47	1	He	0.205684	13.9	94.667
V	51	1	He	7.538671	2.3	78178.003
Cr	52	1	He	12.674599	0.4	160613.827
Mn	55	1	He	5.645808	1.9	54696.140
Fe	56	1	He	65.716987	1.0	773821.393
Co	59	1	He	0.265562	3.0	4743.310
Ni	60	1	He	1.050210	3.9	5222.773
Cu	63	1	He	0.609091	0.8	7000.720
Zn	66	1	He	3.124353	2.2	7310.180
As	75	1	He	3.218940	0.3	6235.087
Se	78	2	H2	4.543163	0.9	4113.817
Sr	88	1	He	3529.795691	1.1	55905574.167
Mo	95	1	He	1.090367	7.1	7558.377
Pd	105	1	He	0.522493	3.8	5310.927
Ag	107	1	He	0.294893	21.8	6673.030
Cd	111	1	He	0.064781	12.0	251.070
Sn	118	1	He	0.227131	4.6	2428.533
Sb	121	1	He	0.054765	8.2	796.693
Ba	138	1	He	98.197670	0.3	3333320.263
Pt	195	1	He	0.007770	15.2	176.670
Hg	202	1	He	0.009869	97.3	130.003
Tl	205	1	He	0.053915	25.1	3148.683
Pb	206	1	He	0.536406	1.5	8490.677
Pb	207	1	He	0.525944	4.4	7723.617
Pb	208	1	He	0.542116	0.6	34616.667
Bi	209	1	He	0.030354	6.0	2856.980
Th	232	1	He	0.030279	12.9	2031.823
U	238	1	He	4.117238	1.8	276294.737

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.69146457	904336.183
Sc	45	2	H2	76.37304127	5118652.333
Ge	72	1	He	78.02599463	528346.357
Ge	72	2	H2	76.87337795	1394370.457
In	115	1	He	78.59615138	5729182.727
Tb	159	1	He	84.04053985	13608028.550
Ir	193	1	He	78.71229881	6153115.113

Sample Name	10607493017_B70174Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	193SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:45:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	67.671343	1.3	40698.833
Be	9	2	H2	0.034986	23.6	22.667
B	11	2	H2	259.309691	4.0	142003.293
Na	23	1	He	127220.6269	0.5	203347330.303
Mg	24	1	He	108962.3052	1.2	96738238.560
Al	27	1	He	51.944920	0.7	25184.683
Si	28	2	H2	11707.36911	5.4	40803497.333
K	39	1	He	5834.682020	0.5	7822461.340
Ca	43	1	He	251997.7859	0.7	1023181.933
Ca	44	1	He	254595.3152	1.1	17311030.153
Ti	47	1	He	2.160696	18.1	944.057
V	51	1	He	7.855136	3.3	79530.047
Cr	52	1	He	21.686897	0.8	267800.147
Mn	55	1	He	10.359769	0.5	97267.020
Fe	56	1	He	652.733951	0.7	7370734.500
Co	59	1	He	0.219330	0.9	3851.757
Ni	60	1	He	7.986926	1.7	34285.843
Cu	63	1	He	606.147159	2.1	6568455.500
Zn	66	1	He	747.124633	1.6	1668940.663
As	75	1	He	3.464353	1.3	6555.533
Se	78	2	H2	4.664643	1.5	4161.160
Sr	88	1	He	3615.582090	1.1	56027994.167
Mo	95	1	He	1.268526	3.7	8612.197
Pd	105	1	He	0.578504	7.3	5751.107
Ag	107	1	He	0.108580	4.6	2856.940
Cd	111	1	He	0.149237	10.6	562.430
Sn	118	1	He	0.395035	3.9	4030.517
Sb	121	1	He	0.085792	15.1	1178.387
Ba	138	1	He	109.956517	0.9	3659676.720
Pt	195	1	He	0.008319	73.4	180.003
Hg	202	1	He	0.013470	31.9	150.003
Tl	205	1	He	0.015106	18.3	1331.737
Pb	206	1	He	20.199628	1.0	310530.530
Pb	207	1	He	21.165475	1.2	272441.957
Pb	208	1	He	20.594187	1.4	1249403.053
Bi	209	1	He	0.025086	3.2	2550.253
Th	232	1	He	0.027147	2.1	1818.457
U	238	1	He	4.497849	1.4	300463.570

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.68157638	882355.503
Sc	45	2	H2	75.26804620	5044593.667
Ge	72	1	He	76.42419491	517499.907
Ge	72	2	H2	75.74559724	1373914.167
In	115	1	He	76.90077704	5605600.220
Tb	159	1	He	82.40269302	13342824.800
Ir	193	1	He	78.35156486	6124915.740

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	194_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:48:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.686888	6.7	49827.783
Be	9	2	H2	75.644671	6.0	41873.597
B	11	2	H2	82.139062	5.9	50264.800
Na	23	1	He	2093.791796	1.6	3381799.117
Mg	24	1	He	2043.484374	1.9	1828346.117
Al	27	1	He	1982.690918	1.6	959453.813
Si	28	2	H2	966.548492	7.0	3645412.333
K	39	1	He	2045.549890	1.3	2829954.750
Ca	43	1	He	2032.272415	2.3	8311.250
Ca	44	1	He	1999.121862	2.3	136920.300
Ti	47	1	He	77.668803	2.3	34068.447
V	51	1	He	81.205110	0.9	841159.700
Cr	52	1	He	81.391546	1.4	1009992.460
Mn	55	1	He	82.923346	1.0	777848.517
Fe	56	1	He	1029.681835	1.8	11690705.333
Co	59	1	He	82.790756	1.1	1500609.710
Ni	60	1	He	82.820338	1.2	368143.887
Cu	63	1	He	84.766568	1.6	969323.457
Zn	66	1	He	81.099486	1.1	191289.300
As	75	1	He	78.054737	1.4	150885.817
Se	78	2	H2	76.144327	2.2	72731.413
Sr	88	1	He	76.417759	1.2	1264121.123
Mo	95	1	He	81.495774	2.0	582146.397
Pd	105	1	He	78.565882	0.5	829416.447
Ag	107	1	He	39.543309	2.8	832600.717
Cd	111	1	He	77.733427	0.4	311310.163
Sn	118	1	He	77.342094	0.9	813363.737
Sb	121	1	He	74.706219	0.7	1024954.670
Ba	138	1	He	79.389185	1.2	2756256.833
Pt	195	1	He	78.499785	0.7	1014263.553
Hg	202	1	He	3.571715	1.1	23340.723
Tl	205	1	He	39.981879	0.4	1887953.723
Pb	206	1	He	80.526072	1.2	1291029.307
Pb	207	1	He	84.170707	1.4	1127548.163
Pb	208	1	He	82.160684	1.6	5195779.927
Bi	209	1	He	84.667530	1.9	4213521.603
Th	232	1	He	79.021019	1.0	5584610.337
U	238	1	He	76.702504	0.3	5544631.793

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	81.18348577	887844.520
Sc	45	2	H2	81.29994432	5448861.833
Ge	72	1	He	80.61810393	545898.603
Ge	72	2	H2	81.36589458	1475858.127
In	115	1	He	82.07467920	5982746.307
Tb	159	1	He	85.95941407	13918736.873
Ir	193	1	He	84.80099202	6629081.777

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	195_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:52:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.106668	11.0	128.333
Be	9	2	H2	0.020864	29.9	17.167
B	11	2	H2	7.318557	14.2	6938.140
Na	23	1	He	41.606868	5.6	80930.130
Mg	24	1	He	-0.164879		2753.570
Al	27	1	He	0.375892	33.0	386.007
Si	28	2	H2	4.784051	28.0	28909.050
K	39	1	He	21.790553	24.5	136487.577
Ca	43	1	He	3.279062	23.1	21.943
Ca	44	1	He	3.449049	45.1	384.660
Ti	47	1	He	0.007373	101.9	6.000
V	51	1	He	-0.002374		-1507.960
Cr	52	1	He	0.004517	69.5	523.343
Mn	55	1	He	-0.064162		187.333
Fe	56	1	He	0.080941	127.9	15234.427
Co	59	1	He	0.002188	101.7	124.000
Ni	60	1	He	-0.136502		129.333
Cu	63	1	He	0.025834	13.4	555.343
Zn	66	1	He	0.005785	82.0	200.667
As	75	1	He	0.027690	51.2	276.333
Se	78	2	H2	0.012756	62.2	27.667
Sr	88	1	He	0.039984	13.1	855.030
Mo	95	1	He	0.013043	24.2	111.667
Pd	105	1	He	0.014770	31.4	186.670
Ag	107	1	He	0.254523	18.6	6116.153
Cd	111	1	He	0.002209	137.9	11.633
Sn	118	1	He	0.036946	16.2	540.017
Sb	121	1	He	0.008634	39.4	200.000
Ba	138	1	He	0.014571	13.0	638.353
Pt	195	1	He	0.005168	30.9	146.667
Hg	202	1	He	0.032979	38.3	280.010
Tl	205	1	He	0.044388	22.8	2745.270
Pb	206	1	He	0.004845	55.9	161.667
Pb	207	1	He	0.007100	114.2	946.700
Pb	208	1	He	0.004854	36.2	1425.043
Bi	209	1	He	0.007667	34.5	1783.467
Th	232	1	He	0.011361	9.8	856.700
U	238	1	He	0.004063	33.0	371.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.66294358	882151.730
Sc	45	2	H2	83.30807452	5583450.167
Ge	72	1	He	79.10730439	535668.353
Ge	72	2	H2	83.75324486	1519161.163
In	115	1	He	82.39513572	6006105.643
Tb	159	1	He	85.45971421	13837824.377
Ir	193	1	He	85.41466911	6677054.277

Sample Name	4319217_B70178Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	196SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:56:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.091075	8.0	118.500
Be	9	2	H2	0.029121	3.8	22.000
B	11	2	H2	6.439898	17.5	6444.587
Na	23	1	He	51.884420	1.7	99904.980
Mg	24	1	He	2.711176	2.4	5447.517
Al	27	1	He	10.131886	2.1	5204.740
Si	28	2	H2	6.195222	11.9	34586.053
K	39	1	He	20.822190	8.5	138811.660
Ca	43	1	He	22.684133	11.4	103.313
Ca	44	1	He	22.933469	12.0	1754.447
Ti	47	1	He	0.090857	45.5	43.333
V	51	1	He	0.014168	362.2	-1356.747
Cr	52	1	He	0.200797	4.0	3016.930
Mn	55	1	He	0.025073	6.9	1044.030
Fe	56	1	He	3.623145	1.5	56560.553
Co	59	1	He	0.007950	5.9	230.667
Ni	60	1	He	-0.092276		326.670
Cu	63	1	He	0.744904	2.9	8748.150
Zn	66	1	He	1.892998	2.3	4631.280
As	75	1	He	0.021426	32.7	269.000
Se	78	2	H2	0.005939	86.2	21.000
Sr	88	1	He	0.057112	11.2	1186.717
Mo	95	1	He	0.027642	15.1	216.667
Pd	105	1	He	0.001385	77.3	46.667
Ag	107	1	He	0.064288	11.5	2210.163
Cd	111	1	He	0.013661	46.3	59.933
Sn	118	1	He	0.149846	4.4	1798.443
Sb	121	1	He	0.010995	25.3	241.670
Ba	138	1	He	0.693154	0.2	24664.763
Pt	195	1	He	0.007466	41.6	180.003
Hg	202	1	He	0.014046	5.9	163.333
Tl	205	1	He	0.006348	48.3	995.040
Pb	206	1	He	0.038177	12.4	710.023
Pb	207	1	He	0.041853	12.6	1446.750
Pb	208	1	He	0.038208	9.0	3611.853
Bi	209	1	He	0.015743	21.0	2236.870
Th	232	1	He	0.007116	16.1	573.350
U	238	1	He	0.003372	32.7	333.340

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.67792248	904188.083
Sc	45	2	H2	83.71631533	5610811.167
Ge	72	1	He	80.26787578	543527.063
Ge	72	2	H2	83.72671074	1518679.873
In	115	1	He	85.65063164	6243411.550
Tb	159	1	He	87.59888462	14184203.540
Ir	193	1	He	88.04959911	6883032.603

Sample Name	4319218_B70178Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	197SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 21:59:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	103.758462	5.0	66337.437
Be	9	2	H2	104.616594	4.5	56992.423
B	11	2	H2	108.763915	7.9	64776.250
Na	23	1	He	2220.906934	2.3	3559953.177
Mg	24	1	He	2149.150943	2.5	1908648.307
Al	27	1	He	2118.835241	1.9	1017834.893
Si	28	2	H2	533.893881	5.5	1986678.960
K	39	1	He	2197.887466	2.2	3010395.060
Ca	43	1	He	2156.273518	3.8	8752.680
Ca	44	1	He	2097.613437	2.0	142617.580
Ti	47	1	He	100.451095	3.0	43736.237
V	51	1	He	109.065204	2.1	1121991.377
Cr	52	1	He	109.504893	2.3	1348728.787
Mn	55	1	He	108.785551	1.6	1012751.897
Fe	56	1	He	2195.127527	2.3	24724422.000
Co	59	1	He	110.946093	2.3	2003288.710
Ni	60	1	He	111.319009	1.8	492707.313
Cu	63	1	He	111.622025	0.9	1271623.877
Zn	66	1	He	108.357448	1.4	254566.370
As	75	1	He	104.766062	1.0	201691.103
Se	78	2	H2	103.463329	1.2	97871.960
Sr	88	1	He	101.793228	1.5	1677142.893
Mo	95	1	He	107.904612	1.3	767920.537
Pd	105	1	He	20.666933	0.5	217346.807
Ag	107	1	He	47.586139	2.4	997952.013
Cd	111	1	He	103.254121	0.7	411891.733
Sn	118	1	He	101.551322	0.9	1063749.747
Sb	121	1	He	99.685007	0.7	1362281.807
Ba	138	1	He	105.675404	2.1	3651237.443
Pt	195	1	He	21.012554	1.1	270250.080
Hg	202	1	He	0.018211	63.7	186.673
Tl	205	1	He	109.107717	2.1	5126003.780
Pb	206	1	He	110.300997	2.4	1759885.913
Pb	207	1	He	109.955147	2.5	1465643.470
Pb	208	1	He	109.632730	2.5	6899566.413
Bi	209	1	He	110.309639	1.8	5463077.000
Th	232	1	He	107.499043	1.7	7615442.387
U	238	1	He	102.195378	2.1	7405073.640

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.59580064	881417.437
Sc	45	2	H2	79.99571531	5361450.167
Ge	72	1	He	80.31827096	543868.310
Ge	72	2	H2	80.56619052	1461352.667
In	115	1	He	81.75245111	5959257.833
Tb	159	1	He	85.54884651	13852256.873
Ir	193	1	He	85.01337301	6645684.070

Sample Name	92603486001_B70178Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	198SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:03:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.325406	8.6	272.667
Be	9	2	H2	0.027808	21.4	21.000
B	11	2	H2	11.003491	8.5	9085.767
Na	23	1	He	11499.03577	1.6	18817847.220
Mg	24	1	He	1022.001023	1.1	931265.900
Al	27	1	He	82.310626	0.5	40703.800
Si	28	2	H2	1393.227666	5.1	5354612.667
K	39	1	He	6689.377999	0.8	9159363.820
Ca	43	1	He	3518.156346	0.7	14623.437
Ca	44	1	He	3642.179499	1.0	253523.143
Ti	47	1	He	3.887282	7.5	1736.460
V	51	1	He	0.222280	74.5	841.463
Cr	52	1	He	1.273490	2.8	16539.737
Mn	55	1	He	36.318684	0.8	346851.270
Fe	56	1	He	205.305846	1.7	2381911.667
Co	59	1	He	0.090592	2.6	1733.420
Ni	60	1	He	1.255338	2.1	6321.127
Cu	63	1	He	11.050552	1.2	126897.680
Zn	66	1	He	566.120841	1.7	1337238.873
As	75	1	He	0.091266	8.8	406.003
Se	78	2	H2	0.177023	4.6	188.000
Sr	88	1	He	18.580805	0.9	314789.447
Mo	95	1	He	0.431023	4.0	3106.973
Pd	105	1	He	0.007648	74.4	113.337
Ag	107	1	He	0.612619	6.6	13980.753
Cd	111	1	He	5.580645	1.0	22882.710
Sn	118	1	He	1.266337	0.9	13782.300
Sb	121	1	He	0.122648	1.9	1805.113
Ba	138	1	He	6.358545	0.8	225102.933
Pt	195	1	He	0.003902	57.7	133.337
Hg	202	1	He	0.024097	16.9	230.010
Tl	205	1	He	0.073647	31.4	4228.970
Pb	206	1	He	47.970190	1.3	783792.800
Pb	207	1	He	48.298173	1.2	659734.053
Pb	208	1	He	48.180474	1.5	3105521.413
Bi	209	1	He	2.447424	1.2	125521.143
Th	232	1	He	0.021521	8.3	1605.107
U	238	1	He	0.016319	14.5	1285.063

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.54485609	902732.833
Sc	45	2	H2	82.91219040	5556917.333
Ge	72	1	He	80.80612471	547171.770
Ge	72	2	H2	83.26099673	1510232.503
In	115	1	He	84.02185712	6124683.767
Tb	159	1	He	87.59893865	14184212.290
Ir	193	1	He	86.67692745	6775727.813

Sample Name	4322689_B70178Dx25
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	199SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:06:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.135514	14.3	147.000
Be	9	2	H2	0.016428	22.5	14.667
B	11	2	H2	5.867789	15.5	6051.117
Na	23	1	He	2339.129025	1.5	3866135.463
Mg	24	1	He	208.646660	1.1	193815.153
Al	27	1	He	17.813052	3.4	9035.913
Si	28	2	H2	280.184606	6.8	1087801.393
K	39	1	He	1374.189198	1.4	1982809.607
Ca	43	1	He	701.477306	2.6	2942.843
Ca	44	1	He	743.278619	3.0	52216.097
Ti	47	1	He	1.131396	44.7	510.753
V	51	1	He	0.014180	296.0	-1364.607
Cr	52	1	He	0.262933	3.0	3821.750
Mn	55	1	He	7.259055	1.8	70446.753
Fe	56	1	He	42.461033	1.1	507740.343
Co	59	1	He	0.020662	11.1	466.010
Ni	60	1	He	0.146682	16.2	1400.060
Cu	63	1	He	2.255870	0.2	26282.500
Zn	66	1	He	114.861956	0.6	273166.863
As	75	1	He	0.015957	59.4	261.833
Se	78	2	H2	0.044202	12.8	58.333
Sr	88	1	He	3.703549	0.5	64149.707
Mo	95	1	He	0.101059	7.9	748.357
Pd	105	1	He	0.005627	81.4	93.333
Ag	107	1	He	0.155593	2.1	4215.543
Cd	111	1	He	1.081603	2.0	4525.423
Sn	118	1	He	0.343201	5.9	3920.493
Sb	121	1	He	0.028324	16.3	490.010
Ba	138	1	He	1.283449	0.9	45674.973
Pt	195	1	He	0.002111	59.4	110.000
Hg	202	1	He	0.004967	62.7	103.333
Tl	205	1	He	0.002743	20.8	823.363
Pb	206	1	He	9.610952	1.9	157536.017
Pb	207	1	He	9.689753	0.7	133434.510
Pb	208	1	He	9.540396	0.9	617590.237
Bi	209	1	He	0.482831	5.4	25984.877
Th	232	1	He	0.004840	29.6	401.677
U	238	1	He	0.003551	11.7	343.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.11121494	908926.687
Sc	45	2	H2	83.11841460	5570738.833
Ge	72	1	He	81.30459565	550547.123
Ge	72	2	H2	83.43489868	1513386.830
In	115	1	He	85.68517676	6245929.680
Tb	159	1	He	87.84354430	14223819.373
Ir	193	1	He	87.02933048	6803275.940

Sample Name	4319219_B70178Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	200SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:10:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	20.467076	5.3	13523.343
Be	9	2	H2	20.405778	3.6	11451.983
B	11	2	H2	28.481221	6.7	19333.637
Na	23	1	He	11765.39956	2.0	19291558.047
Mg	24	1	He	1445.598012	2.1	1318624.957
Al	27	1	He	502.839549	1.7	248074.730
Si	28	2	H2	1460.751839	5.7	5580211.000
K	39	1	He	7025.754520	1.4	9633754.233
Ca	43	1	He	3909.215966	1.1	16281.087
Ca	44	1	He	4004.624890	1.2	279301.373
Ti	47	1	He	20.508828	7.9	9164.173
V	51	1	He	21.662821	1.8	227512.287
Cr	52	1	He	22.679303	1.6	287077.427
Mn	55	1	He	57.315266	1.9	547994.833
Fe	56	1	He	634.064420	1.9	7340187.333
Co	59	1	He	22.187183	1.4	404579.220
Ni	60	1	He	23.286412	2.5	104640.960
Cu	63	1	He	33.806002	1.8	389006.563
Zn	66	1	He	581.801374	1.8	1379125.583
As	75	1	He	20.735116	1.7	40486.327
Se	78	2	H2	20.069896	1.2	19426.597
Sr	88	1	He	38.900351	0.5	655809.260
Mo	95	1	He	21.837522	1.6	156924.287
Pd	105	1	He	3.093188	4.6	33302.523
Ag	107	1	He	9.159815	3.5	197167.743
Cd	111	1	He	26.227113	0.5	107033.873
Sn	118	1	He	12.950998	0.6	138916.233
Sb	121	1	He	19.243452	1.0	269111.110
Ba	138	1	He	26.779140	0.9	941726.600
Pt	195	1	He	3.795214	2.8	49736.983
Hg	202	1	He	0.010683	50.0	140.000
Tl	205	1	He	20.673178	0.6	988979.257
Pb	206	1	He	67.816659	0.7	1101222.717
Pb	207	1	He	68.227756	0.1	925881.417
Pb	208	1	He	68.189723	0.9	4367657.223
Bi	209	1	He	24.198726	0.3	1220743.027
Th	232	1	He	5.012840	8.1	362286.257
U	238	1	He	19.828580	0.5	1465872.113

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.71772673	904623.393
Sc	45	2	H2	82.38927780	5521870.833
Ge	72	1	He	81.10265950	549179.730
Ge	72	2	H2	82.38829431	1494402.960
In	115	1	He	83.63677629	6096613.710
Tb	159	1	He	87.05740799	14096526.457
Ir	193	1	He	86.72263581	6779300.937

Sample Name	4319220_B70178Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	201SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:13:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	20.812360	5.9	13767.857
Be	9	2	H2	20.708945	4.1	11636.430
B	11	2	H2	28.411803	9.4	19323.743
Na	23	1	He	11898.51605	0.8	19564614.710
Mg	24	1	He	1472.643795	1.4	1347008.520
Al	27	1	He	511.974888	1.2	253281.227
Si	28	2	H2	1509.776911	6.9	5774206.667
K	39	1	He	7120.685257	1.2	9789414.437
Ca	43	1	He	3970.861577	1.6	16582.993
Ca	44	1	He	4054.401458	1.2	283552.577
Ti	47	1	He	20.986675	1.8	9407.263
V	51	1	He	21.890923	0.4	230567.540
Cr	52	1	He	22.980714	1.3	291694.780
Mn	55	1	He	57.875861	0.7	554904.187
Fe	56	1	He	639.475722	1.4	7423436.667
Co	59	1	He	22.511462	1.5	412409.707
Ni	60	1	He	23.702097	2.8	106990.737
Cu	63	1	He	33.680798	2.1	389373.617
Zn	66	1	He	604.057305	2.3	1438526.040
As	75	1	He	21.138846	2.0	41463.057
Se	78	2	H2	20.178507	1.6	19579.753
Sr	88	1	He	39.140548	1.4	664271.240
Mo	95	1	He	21.922841	2.7	158260.173
Pd	105	1	He	2.509485	2.5	27211.950
Ag	107	1	He	9.838077	2.3	213131.337
Cd	111	1	He	26.497716	0.7	108870.477
Sn	118	1	He	12.914299	1.5	139449.697
Sb	121	1	He	19.264716	1.4	271204.370
Ba	138	1	He	27.456899	1.0	965659.230
Pt	195	1	He	3.791649	1.8	49697.010
Hg	202	1	He	0.014154	53.3	163.340
Tl	205	1	He	21.149894	2.0	1011824.127
Pb	206	1	He	68.927771	1.6	1119329.620
Pb	207	1	He	69.369988	1.3	941412.873
Pb	208	1	He	69.307913	1.2	4439821.623
Bi	209	1	He	24.288663	1.5	1225342.273
Th	232	1	He	5.013609	2.4	362382.393
U	238	1	He	20.068091	1.1	1483438.990

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.94200917	907076.207
Sc	45	2	H2	82.49376135	5528873.500
Ge	72	1	He	81.47862674	551725.560
Ge	72	2	H2	82.59458385	1498144.750
In	115	1	He	84.20050065	6137705.797
Tb	159	1	He	87.06835975	14098299.790
Ir	193	1	He	86.71583463	6778769.273

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	202_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:17:29
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.348566	5.1	50014.237
Be	9	2	H2	75.937808	4.8	42375.837
B	11	2	H2	77.584383	6.0	48025.547
Na	23	1	He	2040.493872	1.4	3331814.533
Mg	24	1	He	1999.629849	1.6	1808576.120
Al	27	1	He	1953.940084	0.7	955810.437
Si	28	2	H2	954.891505	5.8	3631245.833
K	39	1	He	2052.638868	1.2	2870153.397
Ca	43	1	He	1990.066400	1.3	8227.540
Ca	44	1	He	1972.455237	0.4	136566.487
Ti	47	1	He	76.455045	2.1	33899.467
V	51	1	He	80.861992	1.8	846655.410
Cr	52	1	He	81.181331	1.3	1018302.147
Mn	55	1	He	83.289090	1.1	789737.293
Fe	56	1	He	1026.282760	1.8	11778453.333
Co	59	1	He	82.277605	2.0	1521836.873
Ni	60	1	He	82.092392	1.3	372392.107
Cu	63	1	He	83.933878	1.6	979493.127
Zn	66	1	He	80.398129	1.4	193527.423
As	75	1	He	77.821570	1.4	153524.630
Se	78	2	H2	75.818368	0.8	73784.387
Sr	88	1	He	74.665620	1.3	1257482.793
Mo	95	1	He	80.447699	1.4	586469.040
Pd	105	1	He	77.898071	1.0	837275.923
Ag	107	1	He	39.382767	3.3	844204.673
Cd	111	1	He	76.977006	0.9	313867.513
Sn	118	1	He	76.804324	0.6	822394.833
Sb	121	1	He	73.370413	1.0	1024884.073
Ba	138	1	He	79.175630	1.4	2771630.373
Pt	195	1	He	77.492534	1.9	1009476.677
Hg	202	1	He	3.542811	3.6	23340.700
Tl	205	1	He	39.640240	1.3	1887256.640
Pb	206	1	He	79.509444	1.1	1285299.953
Pb	207	1	He	82.921203	0.9	1120045.167
Pb	208	1	He	80.917586	1.2	5159675.597
Bi	209	1	He	83.373363	1.4	4183623.060
Th	232	1	He	78.203907	1.7	5579446.170
U	238	1	He	75.944281	1.9	5542028.670

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.06222261	897454.623
Sc	45	2	H2	81.95940718	5493060.167
Ge	72	1	He	82.27373091	557109.540
Ge	72	2	H2	82.88675867	1503444.373
In	115	1	He	83.56738273	6091555.340
Tb	159	1	He	86.66959055	14033730.207
Ir	193	1	He	85.60973256	6692302.820

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	203_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:21:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.054785	53.2	95.167
Be	9	2	H2	0.025488	44.9	20.167
B	11	2	H2	3.050198	14.2	4450.640
Na	23	1	He	20.233143	1.8	48805.623
Mg	24	1	He	-1.834939		1331.727
Al	27	1	He	0.332546	35.0	382.007
Si	28	2	H2	0.649925	12.0	13301.993
K	39	1	He	17.369218	5.5	136198.673
Ca	43	1	He	1.551035	34.5	15.640
Ca	44	1	He	1.023693	20.3	231.653
Ti	47	1	He	0.007086	225.3	6.000
V	51	1	He	0.007781	268.6	-1447.200
Cr	52	1	He	-0.001029		474.677
Mn	55	1	He	-0.066441		173.333
Fe	56	1	He	0.025311	90.7	15240.447
Co	59	1	He	0.003847	27.7	160.000
Ni	60	1	He	-0.134207		144.667
Cu	63	1	He	0.011120	15.9	404.010
Zn	66	1	He	0.028292	15.6	262.000
As	75	1	He	-0.003194		226.667
Se	78	2	H2	0.008790	94.1	24.333
Sr	88	1	He	0.006393	53.2	313.343
Mo	95	1	He	0.013455	21.5	118.333
Pd	105	1	He	0.012199	30.5	166.667
Ag	107	1	He	0.257115	20.4	6479.623
Cd	111	1	He	0.008033	60.1	36.630
Sn	118	1	He	0.028402	31.5	468.347
Sb	121	1	He	0.007549	47.8	193.333
Ba	138	1	He	0.014530	23.0	666.690
Pt	195	1	He	0.005976	76.1	163.337
Hg	202	1	He	0.016071	19.1	180.003
Tl	205	1	He	0.046716	14.1	2991.980
Pb	206	1	He	0.010042	25.4	255.007
Pb	207	1	He	0.000892	902.2	905.037
Pb	208	1	He	0.006158	47.0	1576.720
Bi	209	1	He	0.005317	35.9	1740.133
Th	232	1	He	0.013453	12.1	1041.727
U	238	1	He	0.005042	15.9	460.010

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.95172302	918118.710
Sc	45	2	H2	84.52307125	5664881.333
Ge	72	1	He	82.05990705	555661.650
Ge	72	2	H2	85.42399280	1549466.083
In	115	1	He	86.16300038	6280760.123
Tb	159	1	He	89.22613732	14447691.867
Ir	193	1	He	88.28735676	6901618.647

Sample Name	4322412_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	204SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:24:38
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.051065	30.0	93.167
Be	9	2	H2	0.023678	12.6	19.167
B	11	2	H2	3.397542	14.1	4680.683
Na	23	1	He	24.020769	1.5	55223.487
Mg	24	1	He	1.052201	12.5	4007.133
Al	27	1	He	6.371892	1.6	3410.983
Si	28	2	H2	4.282406	22.5	27639.223
K	39	1	He	18.181487	2.9	137621.033
Ca	43	1	He	9.465020	15.0	49.187
Ca	44	1	He	8.453519	13.2	759.187
Ti	47	1	He	0.080385	8.7	39.333
V	51	1	He	0.029936	88.7	-1210.680
Cr	52	1	He	0.421255	3.2	5903.650
Mn	55	1	He	0.150038	4.9	2276.153
Fe	56	1	He	10.590689	1.7	139441.483
Co	59	1	He	0.003920	5.3	161.333
Ni	60	1	He	-0.103714		282.000
Cu	63	1	He	0.080980	12.3	1215.380
Zn	66	1	He	1.102110	5.8	2834.233
As	75	1	He	-0.002763		227.167
Se	78	2	H2	0.009829	90.8	25.000
Sr	88	1	He	0.021000	36.7	573.350
Mo	95	1	He	0.013708	36.9	120.000
Pd	105	1	He	0.003082	71.6	66.667
Ag	107	1	He	0.058195	10.6	2111.817
Cd	111	1	He	0.004806	85.9	23.297
Sn	118	1	He	0.112102	11.4	1408.407
Sb	121	1	He	0.003598	112.7	138.333
Ba	138	1	He	0.067986	2.0	2606.897
Pt	195	1	He	0.016049	19.6	300.010
Hg	202	1	He	0.012910	89.8	160.003
Tl	205	1	He	0.004519	44.3	928.370
Pb	206	1	He	0.011972	20.0	288.340
Pb	207	1	He	0.010010	49.5	1036.713
Pb	208	1	He	0.011548	11.4	1940.073
Bi	209	1	He	0.001963	182.0	1576.783
Th	232	1	He	0.006548	28.0	540.033
U	238	1	He	0.001308	26.9	181.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	84.13532798	920126.663
Sc	45	2	H2	84.86495795	5687795.167
Ge	72	1	He	81.98137152	555129.853
Ge	72	2	H2	84.69380483	1536221.543
In	115	1	He	87.16109951	6353515.497
Tb	159	1	He	89.71819978	14527367.700
Ir	193	1	He	89.44653616	6992234.273

Sample Name	4322413_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	205SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:28:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	103.877692	5.1	66937.597
Be	9	2	H2	104.588313	4.9	57432.040
B	11	2	H2	103.612100	6.3	62284.230
Na	23	1	He	2200.421967	1.3	3563424.737
Mg	24	1	He	2138.739225	1.7	1918884.247
Al	27	1	He	2102.300411	1.1	1020219.147
Si	28	2	H2	523.447405	5.5	1963421.163
K	39	1	He	2214.744983	1.9	3063642.457
Ca	43	1	He	2143.777626	2.3	8791.670
Ca	44	1	He	2123.196924	0.7	145826.100
Ti	47	1	He	99.912743	1.7	43948.030
V	51	1	He	109.081299	1.9	1133652.950
Cr	52	1	He	110.196588	1.3	1371151.040
Mn	55	1	He	108.334400	1.4	1018833.043
Fe	56	1	He	2184.312243	1.3	24854690.000
Co	59	1	He	111.995582	1.6	2037738.080
Ni	60	1	He	111.460433	0.8	497104.690
Cu	63	1	He	111.562273	1.2	1280617.540
Zn	66	1	He	109.074767	1.3	258201.370
As	75	1	He	104.928402	0.9	203542.823
Se	78	2	H2	103.963553	0.3	99203.563
Sr	88	1	He	102.333461	1.6	1701426.640
Mo	95	1	He	107.249515	0.5	769099.417
Pd	105	1	He	20.684065	0.9	219508.827
Ag	107	1	He	46.987232	3.7	994054.853
Cd	111	1	He	102.793977	1.4	413768.043
Sn	118	1	He	101.669811	1.3	1074623.030
Sb	121	1	He	99.069182	1.9	1366043.467
Ba	138	1	He	105.525192	0.8	3677418.070
Pt	195	1	He	20.516907	1.4	266101.677
Hg	202	1	He	0.011303	63.7	143.337
Tl	205	1	He	107.839953	0.3	5109844.197
Pb	206	1	He	109.921405	1.0	1768752.107
Pb	207	1	He	108.716888	1.7	1461387.740
Pb	208	1	He	108.803469	0.8	6905764.793
Bi	209	1	He	110.081684	0.5	5498796.170
Th	232	1	He	107.727605	0.5	7611173.013
U	238	1	He	102.061201	1.1	7375309.263

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	81.41252882	890349.397
Sc	45	2	H2	80.64454730	5404936.000
Ge	72	1	He	80.92793580	547996.603
Ge	72	2	H2	81.27229753	1474160.413
In	115	1	He	82.50574003	6014168.027
Tb	159	1	He	86.27706663	13970171.873
Ir	193	1	He	84.78183027	6627583.860

Sample Name	10607799001_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	206SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:31:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.039856	4.7	2027.110
Be	9	2	H2	0.027976	32.0	20.833
B	11	2	H2	10.978681	18.2	8902.320
Na	23	1	He	5989.750378	1.2	9690141.107
Mg	24	1	He	7011.421541	1.7	6294014.073
Al	27	1	He	6.177040	3.4	3210.950
Si	28	2	H2	6756.420925	5.8	25408456.000
K	39	1	He	539.408623	1.1	829901.397
Ca	43	1	He	48313.50185	1.5	198265.963
Ca	44	1	He	49117.84921	1.6	3375458.923
Ti	47	1	He	0.148451	38.8	68.000
V	51	1	He	0.383651	36.8	2519.050
Cr	52	1	He	3.291781	1.0	41485.160
Mn	55	1	He	0.679207	4.7	7186.120
Fe	56	1	He	9.592979	1.1	123785.007
Co	59	1	He	0.267173	2.4	4830.660
Ni	60	1	He	0.131765	17.0	1295.383
Cu	63	1	He	0.336898	2.8	4038.467
Zn	66	1	He	2.130512	3.1	5106.740
As	75	1	He	0.324883	2.5	838.687
Se	78	2	H2	0.287121	14.3	291.000
Sr	88	1	He	97.979620	0.9	1646626.537
Mo	95	1	He	0.732850	7.7	5149.133
Pd	105	1	He	0.012683	3.7	166.667
Ag	107	1	He	0.219879	16.0	5475.920
Cd	111	1	He	0.007952	17.8	35.123
Sn	118	1	He	0.055198	10.8	740.023
Sb	121	1	He	0.100770	3.2	1486.750
Ba	138	1	He	1.937843	1.2	68086.583
Pt	195	1	He	0.011660	30.6	233.340
Hg	202	1	He	0.004632	117.3	100.000
Tl	205	1	He	0.018959	24.8	1586.767
Pb	206	1	He	0.026014	11.7	506.680
Pb	207	1	He	0.016047	51.3	1085.047
Pb	208	1	He	0.024404	8.2	2698.447
Bi	209	1	He	0.007646	28.4	1810.150
Th	232	1	He	0.023740	2.9	1725.113
U	238	1	He	0.570637	0.4	41282.687

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	81.54629808	891812.333
Sc	45	2	H2	81.19942466	5442124.833
Ge	72	1	He	78.99374466	534899.393
Ge	72	2	H2	81.88618632	1485295.457
In	115	1	He	83.39034495	6078650.360
Tb	159	1	He	86.81223365	14056827.290
Ir	193	1	He	84.71139284	6622077.610

Sample Name	4323800_B70202Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	207SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:35:21
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.646933	4.5	495.010
Be	9	2	H2	0.024944	52.5	20.000
B	11	2	H2	4.434090	8.0	5290.847
Na	23	1	He	1263.690090	3.6	2068078.353
Mg	24	1	He	1470.253172	3.1	1330127.763
Al	27	1	He	2.513881	6.8	1439.727
Si	28	2	H2	1366.856599	5.2	5360385.333
K	39	1	He	127.181715	5.6	280692.280
Ca	43	1	He	9935.010229	4.0	41013.390
Ca	44	1	He	10244.94744	4.1	708237.693
Ti	47	1	He	0.047778	14.8	24.000
V	51	1	He	0.003217	5199.0	-1412.757
Cr	52	1	He	0.681978	3.3	9027.600
Mn	55	1	He	0.101016	4.4	1755.427
Fe	56	1	He	2.246619	6.3	40336.793
Co	59	1	He	0.058823	0.4	1150.707
Ni	60	1	He	-0.082632		370.007
Cu	63	1	He	0.090538	7.7	1299.383
Zn	66	1	He	0.527696	5.4	1428.727
As	75	1	He	0.070922	21.7	364.167
Se	78	2	H2	0.060720	14.1	76.333
Sr	88	1	He	19.593794	3.2	334518.603
Mo	95	1	He	0.149665	11.3	1088.377
Pd	105	1	He	0.007651	88.6	113.333
Ag	107	1	He	0.051701	15.6	1910.127
Cd	111	1	He	0.003283	111.2	16.337
Sn	118	1	He	0.100860	14.3	1243.400
Sb	121	1	He	0.024695	25.3	433.343
Ba	138	1	He	0.401930	4.1	14191.053
Pt	195	1	He	0.002228	87.2	110.000
Hg	202	1	He	0.006850	78.6	113.333
Tl	205	1	He	-0.001901		591.687
Pb	206	1	He	0.007040	24.5	198.333
Pb	207	1	He	-0.007226		768.363
Pb	208	1	He	0.004365	46.0	1415.043
Bi	209	1	He	0.000784	790.2	1453.437
Th	232	1	He	0.015142	100.7	1095.443
U	238	1	He	0.113190	5.4	8315.620

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.10384832	897909.853
Sc	45	2	H2	84.59300132	5669568.167
Ge	72	1	He	80.40133189	544430.750
Ge	72	2	H2	85.41269089	1549261.083
In	115	1	He	84.74263895	6177224.390
Tb	159	1	He	86.67072535	14033913.957
Ir	193	1	He	85.44817952	6679673.860

Sample Name	4322414_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	208SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:38:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	117.802539	23.1	65738.363
Be	9	2	H2	117.220389	22.3	55799.887
B	11	2	H2	124.319960	25.7	64110.527
Na	23	1	He	8065.328981	1.4	12938152.307
Mg	24	1	He	9029.312120	1.1	8040043.837
Al	27	1	He	2111.938482	0.7	1018352.373
Si	28	2	H2	8203.717428	25.0	26462750.667
K	39	1	He	2720.784287	1.0	3714885.880
Ca	43	1	He	50400.34588	0.9	205178.953
Ca	44	1	He	50886.39143	0.8	3469053.593
Ti	47	1	He	101.815335	1.0	44500.043
V	51	1	He	111.560072	0.3	1152017.750
Cr	52	1	He	113.883829	0.9	1407931.873
Mn	55	1	He	109.305259	1.2	1021363.730
Fe	56	1	He	2189.218707	1.6	24750332.667
Co	59	1	He	110.942498	1.5	1993041.417
Ni	60	1	He	109.710643	0.9	483125.887
Cu	63	1	He	109.220136	1.0	1237875.293
Zn	66	1	He	108.235256	0.7	252979.190
As	75	1	He	107.852691	0.6	206565.120
Se	78	2	H2	116.777926	22.4	96770.383
Sr	88	1	He	201.224617	1.1	3274427.140
Mo	95	1	He	111.277013	0.8	787879.443
Pd	105	1	He	20.552944	0.9	213493.977
Ag	107	1	He	47.299695	3.4	979607.303
Cd	111	1	He	102.943785	1.2	405583.693
Sn	118	1	He	105.212799	1.6	1088437.590
Sb	121	1	He	102.622356	1.7	1385088.573
Ba	138	1	He	108.302535	1.4	3727622.337
Pt	195	1	He	20.736072	2.9	265625.793
Hg	202	1	He	0.017290	48.9	180.003
Tl	205	1	He	108.859415	1.0	5094859.923
Pb	206	1	He	108.350358	1.3	1722120.857
Pb	207	1	He	107.162951	1.2	1422959.717
Pb	208	1	He	107.508666	0.7	6740260.937
Bi	209	1	He	108.942239	0.7	5374870.543
Th	232	1	He	109.632977	1.2	7633612.803
U	238	1	He	104.832208	1.2	7465887.180

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.89124933	884648.543
Sc	45	2	H2	71.95628879	4822634.000
Ge	72	1	He	79.90605429	541077.020
Ge	72	2	H2	72.61445149	1317119.770
In	115	1	He	80.74821799	5886055.330
Tb	159	1	He	85.22356170	13799586.043
Ir	193	1	He	83.55256527	6531489.487

Sample Name	4322415_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	209SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:42:29
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	102.391811	5.6	65041.270
Be	9	2	H2	101.787591	4.0	55084.707
B	11	2	H2	110.835468	6.2	65491.700
Na	23	1	He	8003.839227	0.6	12850731.893
Mg	24	1	He	8895.196618	1.0	7927241.130
Al	27	1	He	2080.182992	0.7	1003865.290
Si	28	2	H2	7177.547809	6.7	26413955.333
K	39	1	He	2683.612661	1.2	3668734.320
Ca	43	1	He	49977.68570	0.5	203627.057
Ca	44	1	He	50074.55043	0.6	3416596.753
Ti	47	1	He	101.549157	0.5	44419.877
V	51	1	He	109.537424	1.0	1132026.187
Cr	52	1	He	111.746204	1.1	1382693.913
Mn	55	1	He	108.152326	0.2	1011456.817
Fe	56	1	He	2151.438580	1.4	24344702.000
Co	59	1	He	108.285592	1.9	1960242.750
Ni	60	1	He	107.692858	1.2	477885.780
Cu	63	1	He	107.435701	0.9	1226998.917
Zn	66	1	He	108.215336	1.1	254869.840
As	75	1	He	105.256383	0.9	203141.857
Se	78	2	H2	102.703342	0.5	96106.960
Sr	88	1	He	199.548863	1.3	3247413.493
Mo	95	1	He	108.966155	1.2	777433.453
Pd	105	1	He	20.400117	0.9	211923.357
Ag	107	1	He	47.148154	1.4	976654.153
Cd	111	1	He	101.958093	1.0	401740.853
Sn	118	1	He	102.039482	1.5	1055743.450
Sb	121	1	He	101.166925	1.4	1365591.073
Ba	138	1	He	107.160888	1.3	3688222.757
Pt	195	1	He	20.377296	0.4	261060.990
Hg	202	1	He	0.013179	35.5	153.337
Tl	205	1	He	107.512274	1.4	5031481.593
Pb	206	1	He	107.119238	1.3	1702495.547
Pb	207	1	He	105.962754	0.4	1407002.060
Pb	208	1	He	106.209753	0.6	6658379.740
Bi	209	1	He	108.959039	1.4	5375220.963
Th	232	1	He	108.045938	1.1	7569727.597
U	238	1	He	103.250332	1.2	7399076.350

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.95630411	885360.000
Sc	45	2	H2	79.46970919	5326196.333
Ge	72	1	He	80.51674943	545212.290
Ge	72	2	H2	79.69997981	1445640.873
In	115	1	He	80.75303348	5886406.350
Tb	159	1	He	85.21230629	13797763.543
Ir	193	1	He	84.06837085	6571811.153

Sample Name	10607799001_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	210SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:46:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.228119	10.6	207.167
Be	9	2	H2	0.037956	12.1	26.667
B	11	2	H2	3.374911	20.0	4543.970
Na	23	1	He	315.088404	0.7	534705.380
Mg	24	1	He	354.153213	0.9	327460.130
Al	27	1	He	1.651973	1.2	1033.363
Si	28	2	H2	345.020091	6.5	1329246.127
K	39	1	He	42.952998	4.2	169981.710
Ca	43	1	He	2434.161576	1.7	10207.797
Ca	44	1	He	2507.803529	0.4	176119.153
Ti	47	1	He	0.014591	126.8	9.333
V	51	1	He	-0.078113		-2349.033
Cr	52	1	He	0.194457	1.0	2957.583
Mn	55	1	He	-0.017239		644.680
Fe	56	1	He	1.093217	3.3	27534.917
Co	59	1	He	0.018414	15.2	428.010
Ni	60	1	He	-0.121843		200.000
Cu	63	1	He	0.041826	14.5	760.020
Zn	66	1	He	0.099000	26.2	430.677
As	75	1	He	0.014107	56.5	260.167
Se	78	2	H2	0.027272	24.4	42.000
Sr	88	1	He	4.792350	2.0	83450.310
Mo	95	1	He	0.053688	9.4	410.010
Pd	105	1	He	0.004353	53.7	80.000
Ag	107	1	He	0.216986	19.1	5600.977
Cd	111	1	He	0.007989	74.4	36.547
Sn	118	1	He	0.116354	1.1	1440.077
Sb	121	1	He	0.016098	10.1	316.677
Ba	138	1	He	0.107849	2.5	3980.500
Pt	195	1	He	0.004599	61.6	143.333
Hg	202	1	He	-0.002061		56.667
Tl	205	1	He	0.020481	17.6	1685.110
Pb	206	1	He	0.007300	17.7	206.670
Pb	207	1	He	0.009704	95.7	1015.037
Pb	208	1	He	0.008617	23.1	1716.717
Bi	209	1	He	0.006630	59.4	1786.803
Th	232	1	He	0.020539	3.1	1545.090
U	238	1	He	0.034590	7.3	2655.247

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.25693403	910520.310
Sc	45	2	H2	82.61079804	5536717.500
Ge	72	1	He	81.89692978	554558.063
Ge	72	2	H2	83.97097211	1523110.417
In	115	1	He	86.19733785	6283263.117
Tb	159	1	He	88.14445271	14272543.123
Ir	193	1	He	87.30758896	6825028.023

Sample Name	4323800_B70202Dx100
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	211SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:49:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.082368	21.6	112.333
Be	9	2	H2	0.024664	12.7	19.333
B	11	2	H2	2.136023	40.4	3847.143
Na	23	1	He	77.728882	1.1	143030.003
Mg	24	1	He	73.552842	0.6	70289.087
Al	27	1	He	1.520412	2.1	966.697
Si	28	2	H2	70.102553	5.0	280800.030
K	39	1	He	22.861424	5.6	142368.363
Ca	43	1	He	499.718278	2.0	2099.733
Ca	44	1	He	512.082559	1.6	36036.290
Ti	47	1	He	0.017633	77.8	10.667
V	51	1	He	0.007366	563.3	-1438.270
Cr	52	1	He	0.060429	9.2	1250.713
Mn	55	1	He	-0.055979		272.000
Fe	56	1	He	0.459050	0.9	20131.873
Co	59	1	He	0.002396	15.1	132.667
Ni	60	1	He	-0.130928		158.667
Cu	63	1	He	0.028700	11.0	605.343
Zn	66	1	He	0.020492	44.1	242.000
As	75	1	He	-0.009728		212.667
Se	78	2	H2	0.007007	105.0	22.000
Sr	88	1	He	0.968250	1.8	16969.940
Mo	95	1	He	0.016538	36.6	140.000
Pd	105	1	He	0.001976	140.0	53.333
Ag	107	1	He	0.061674	15.0	2158.483
Cd	111	1	He	0.002501	100.6	13.290
Sn	118	1	He	0.111624	4.7	1383.407
Sb	121	1	He	0.006993	51.5	185.000
Ba	138	1	He	0.028276	8.7	1151.717
Pt	195	1	He	0.003576	66.1	130.003
Hg	202	1	He	0.002346	235.8	86.667
Tl	205	1	He	-0.003664		518.343
Pb	206	1	He	0.005933	8.3	185.000
Pb	207	1	He	0.004841	13.3	951.707
Pb	208	1	He	0.005210	29.0	1501.713
Bi	209	1	He	-0.000266		1440.097
Th	232	1	He	0.007196	20.3	581.683
U	238	1	He	0.007405	11.4	638.357

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	83.14245655	909268.353
Sc	45	2	H2	83.29896304	5582839.500
Ge	72	1	He	81.62285165	552702.167
Ge	72	2	H2	83.94178710	1522581.043
In	115	1	He	85.94141907	6264608.190
Tb	159	1	He	88.48611885	14327866.453
Ir	193	1	He	88.30416260	6902932.397

Sample Name	10607799002_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	212SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:53:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.609398	2.7	1094.700
Be	9	2	H2	0.032002	10.7	22.833
B	11	2	H2	7.270613	5.4	6701.343
Na	23	1	He	6246.145578	2.2	10024779.013
Mg	24	1	He	6265.494631	1.4	5580805.543
Al	27	1	He	52.903410	1.2	25715.410
Si	28	2	H2	3423.566432	6.1	12828321.000
K	39	1	He	670.360977	1.1	996994.620
Ca	43	1	He	22562.89622	1.4	91870.963
Ca	44	1	He	23088.08244	1.7	1574281.347
Ti	47	1	He	0.992798	19.1	436.677
V	51	1	He	0.954997	10.2	8398.477
Cr	52	1	He	0.844375	3.7	10906.637
Mn	55	1	He	1.068180	2.3	10762.553
Fe	56	1	He	42.454181	1.2	494177.563
Co	59	1	He	0.134624	1.2	2484.847
Ni	60	1	He	1.121242	1.7	5614.893
Cu	63	1	He	1.033157	2.0	11876.617
Zn	66	1	He	3.641255	2.8	8622.093
As	75	1	He	0.597858	3.5	1359.387
Se	78	2	H2	15.157979	0.8	14580.313
Sr	88	1	He	82.539755	2.5	1385594.823
Mo	95	1	He	2.152161	3.2	15133.313
Pd	105	1	He	0.014871	49.4	190.007
Ag	107	1	He	0.041482	10.9	1661.767
Cd	111	1	He	0.039646	17.6	163.793
Sn	118	1	He	0.131680	3.8	1555.087
Sb	121	1	He	0.185640	4.9	2666.903
Ba	138	1	He	22.565368	0.4	791466.423
Pt	195	1	He	0.007586	71.1	180.003
Hg	202	1	He	0.001108	692.5	76.667
Tl	205	1	He	0.005529	16.1	946.703
Pb	206	1	He	0.056591	6.4	1001.707
Pb	207	1	He	0.041792	8.3	1433.413
Pb	208	1	He	0.048849	2.1	4260.247
Bi	209	1	He	0.005853	77.0	1720.133
Th	232	1	He	0.018820	11.0	1388.413
U	238	1	He	0.956552	1.2	69662.663

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	80.90386606	884786.523
Sc	45	2	H2	80.89981779	5422044.667
Ge	72	1	He	79.25602073	536675.373
Ge	72	2	H2	81.85082679	1484654.087
In	115	1	He	83.29236703	6071508.363
Tb	159	1	He	86.82438455	14058794.790
Ir	193	1	He	85.33959184	6671185.320

Sample Name	10607799002_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	213SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 22:56:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.117735	12.1	133.833
Be	9	2	H2	0.016650	29.6	14.667
B	11	2	H2	1.640056	29.9	3497.077
Na	23	1	He	313.831010	1.9	526323.780
Mg	24	1	He	301.576186	2.1	275983.023
Al	27	1	He	3.731548	2.1	2040.783
Si	28	2	H2	164.764319	6.0	636584.960
K	39	1	He	49.649791	4.8	177000.760
Ca	43	1	He	1083.644134	3.0	4495.540
Ca	44	1	He	1116.041215	1.3	77540.193
Ti	47	1	He	0.065817	31.1	32.000
V	51	1	He	0.042799	26.7	-1049.847
Cr	52	1	He	0.085032	12.3	1546.737
Mn	55	1	He	-0.008635		718.687
Fe	56	1	He	2.274249	0.9	40783.127
Co	59	1	He	0.004767	8.7	174.000
Ni	60	1	He	-0.070980		422.677
Cu	63	1	He	0.052791	4.7	873.357
Zn	66	1	He	0.168546	8.4	588.010
As	75	1	He	0.017243	19.9	262.167
Se	78	2	H2	0.728011	3.7	727.020
Sr	88	1	He	3.937267	1.8	68118.017
Mo	95	1	He	0.108703	5.2	796.693
Pd	105	1	He	0.001687	1.4	50.000
Ag	107	1	He	0.029804	3.2	1451.743
Cd	111	1	He	0.002063	146.3	11.427
Sn	118	1	He	0.104815	14.8	1303.397
Sb	121	1	He	0.010434	49.3	233.337
Ba	138	1	He	1.077881	0.2	38642.453
Pt	195	1	He	0.002064	110.4	110.000
Hg	202	1	He	0.004874	124.8	103.333
Tl	205	1	He	-0.009385		240.000
Pb	206	1	He	0.002305	47.1	125.000
Pb	207	1	He	-0.005031		815.033
Pb	208	1	He	0.001079	93.4	1231.710
Bi	209	1	He	-0.000505		1426.757
Th	232	1	He	0.005195	28.8	426.707
U	238	1	He	0.043576	6.8	3307.050

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	82.27584877	899790.897
Sc	45	2	H2	82.15705705	5506307.000
Ge	72	1	He	80.62902632	545972.563
Ge	72	2	H2	83.29047338	1510767.167
In	115	1	He	85.59908707	6239654.263
Tb	159	1	He	88.43606139	14319761.040
Ir	193	1	He	86.89593906	6792848.437

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	214_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:00:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.646842	5.3	47140.407
Be	9	2	H2	76.479795	4.9	40068.960
B	11	2	H2	76.687673	9.0	44614.030
Na	23	1	He	2029.636269	0.8	3129496.620
Mg	24	1	He	2010.314843	1.5	1716956.693
Al	27	1	He	1954.208478	0.8	902656.917
Si	28	2	H2	949.958423	6.4	3392006.417
K	39	1	He	2055.706327	1.0	2714131.940
Ca	43	1	He	1985.167117	1.3	7749.380
Ca	44	1	He	1996.456084	0.5	130521.613
Ti	47	1	He	75.517753	0.9	31618.000
V	51	1	He	80.107710	1.0	791978.027
Cr	52	1	He	81.267004	0.7	962581.060
Mn	55	1	He	82.613331	1.2	739695.460
Fe	56	1	He	1025.383821	1.6	11112943.000
Co	59	1	He	82.291382	1.5	1432279.210
Ni	60	1	He	82.275853	1.5	351188.500
Cu	63	1	He	83.989521	0.5	922289.897
Zn	66	1	He	80.610428	1.4	182581.030
As	75	1	He	78.510640	1.1	145736.167
Se	78	2	H2	76.331906	0.9	69619.460
Sr	88	1	He	74.023276	1.2	1187828.470
Mo	95	1	He	80.893820	0.9	554898.503
Pd	105	1	He	77.251952	1.3	791129.700
Ag	107	1	He	38.789223	3.5	792337.643
Cd	111	1	He	76.941994	0.6	298913.877
Sn	118	1	He	76.233000	1.2	777707.227
Sb	121	1	He	73.831228	0.7	982642.797
Ba	138	1	He	78.333885	2.0	2623073.713
Pt	195	1	He	77.078120	1.0	960573.997
Hg	202	1	He	3.598100	0.7	22679.760
Tl	205	1	He	39.936787	2.1	1818761.120
Pb	206	1	He	78.840563	1.9	1219134.590
Pb	207	1	He	82.520865	0.9	1066279.777
Pb	208	1	He	80.850204	1.5	4931572.037
Bi	209	1	He	83.469710	2.6	4006501.503
Th	232	1	He	79.210494	2.5	5395497.420
U	238	1	He	76.031524	2.2	5297160.443

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.48623007	847410.333
Sc	45	2	H2	76.93310352	5156188.667
Ge	72	1	He	77.41051024	524178.657
Ge	72	2	H2	77.67625206	1408933.417
In	115	1	He	79.61855176	5803709.513
Tb	159	1	He	82.91165918	13425237.717
Ir	193	1	He	81.73725978	6389583.027

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	215_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:03:54
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.069542	22.5	96.000
Be	9	2	H2	0.029931	39.5	20.667
B	11	2	H2	1.772686	17.5	3353.713
Na	23	1	He	15.196627	2.6	37290.690
Mg	24	1	He	-2.099016		1003.373
Al	27	1	He	0.305946	28.0	340.000
Si	28	2	H2	0.163939	158.1	10408.047
K	39	1	He	23.470036	3.0	133371.800
Ca	43	1	He	0.613395	171.2	10.780
Ca	44	1	He	1.432342	31.5	240.390
Ti	47	1	He	0.009769	27.5	6.667
V	51	1	He	0.019980	247.3	-1212.330
Cr	52	1	He	0.000265	874.6	453.343
Mn	55	1	He	-0.065229		170.667
Fe	56	1	He	0.112229	34.7	14997.783
Co	59	1	He	0.002038	86.1	118.667
Ni	60	1	He	-0.142109		102.000
Cu	63	1	He	0.009939	29.2	365.337
Zn	66	1	He	0.005720	332.3	194.667
As	75	1	He	-0.000282		217.500
Se	78	2	H2	0.016198	42.3	29.000
Sr	88	1	He	0.006154	73.6	288.337
Mo	95	1	He	0.009662	7.5	85.000
Pd	105	1	He	0.003278	68.6	63.333
Ag	107	1	He	0.265741	6.9	6219.500
Cd	111	1	He	0.003986	36.5	18.307
Sn	118	1	He	0.037265	27.9	528.347
Sb	121	1	He	0.006408	15.7	165.000
Ba	138	1	He	0.013774	24.7	585.017
Pt	195	1	He	0.005189	41.8	140.000
Hg	202	1	He	0.027675	13.6	236.677
Tl	205	1	He	0.043924	25.8	2613.587
Pb	206	1	He	0.005122	30.1	158.333
Pb	207	1	He	-0.001858		793.363
Pb	208	1	He	0.004418	63.7	1338.373
Bi	209	1	He	0.002082	210.4	1440.107
Th	232	1	He	0.013110	15.9	941.707
U	238	1	He	0.004538	7.8	391.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.43716763	846873.773
Sc	45	2	H2	77.06693079	5165158.000
Ge	72	1	He	76.81878700	520171.853
Ge	72	2	H2	78.37214379	1421555.873
In	115	1	He	80.32989453	5855562.087
Tb	159	1	He	81.68515447	13226639.383
Ir	193	1	He	81.86879896	6399865.737

Sample Name	10607799003_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	216SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:07:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	7.527115	6.0	4706.087
Be	9	2	H2	0.027527	23.3	19.500
B	11	2	H2	16.121013	4.3	11303.703
Na	23	1	He	6832.863244	6.4	10061852.767
Mg	24	1	He	12860.44222	6.1	10509125.467
Al	27	1	He	6.642351	4.6	3131.613
Si	28	2	H2	8751.630275	6.1	31365394.667
K	39	1	He	923.156412	6.3	1222606.807
Ca	43	1	He	50490.71844	6.5	188619.993
Ca	44	1	He	51093.86710	7.0	3196189.950
Ti	47	1	He	0.129898	31.0	55.333
V	51	1	He	0.197126	39.5	489.610
Cr	52	1	He	1.398181	6.0	16293.320
Mn	55	1	He	1.014884	7.4	9417.137
Fe	56	1	He	5.810878	7.8	73479.267
Co	59	1	He	0.192183	4.1	3232.970
Ni	60	1	He	1.218200	7.5	5556.210
Cu	63	1	He	1.247536	5.1	13152.827
Zn	66	1	He	2.536395	5.4	5581.553
As	75	1	He	0.176619	26.1	513.677
Se	78	2	H2	0.153661	4.8	154.000
Sr	88	1	He	216.377690	5.1	3359967.553
Mo	95	1	He	0.705731	4.2	4583.983
Pd	105	1	He	0.030925	19.8	336.677
Ag	107	1	He	0.073306	9.9	2168.490
Cd	111	1	He	0.010406	22.2	41.960
Sn	118	1	He	0.045693	25.8	590.013
Sb	121	1	He	0.084110	3.7	1160.050
Ba	138	1	He	6.662745	5.7	216778.053
Pt	195	1	He	0.006008	114.8	150.003
Hg	202	1	He	0.017736	11.9	173.340
Tl	205	1	He	0.009934	19.8	1071.713
Pb	206	1	He	0.034496	10.9	596.683
Pb	207	1	He	0.025562	18.7	1128.383
Pb	208	1	He	0.032615	12.0	2986.793
Bi	209	1	He	0.007944	46.4	1700.130
Th	232	1	He	0.012940	13.7	890.037
U	238	1	He	0.813380	5.5	54473.003

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.41727176	813847.377
Sc	45	2	H2	77.38171930	5186255.667
Ge	72	1	He	73.09555905	494960.333
Ge	72	2	H2	77.59547798	1407468.293
In	115	1	He	77.17905588	5625885.060
Tb	159	1	He	80.65503270	13059839.807
Ir	193	1	He	78.59686466	6144091.370

Sample Name	10607799003_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	217SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:11:03
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.407247	11.9	309.667
Be	9	2	H2	0.012578	25.6	11.833
B	11	2	H2	2.033502	28.7	3560.397
Na	23	1	He	336.895342	0.3	542152.177
Mg	24	1	He	616.500978	0.8	539456.500
Al	27	1	He	1.581994	3.5	948.697
Si	28	2	H2	448.323923	7.0	1639281.003
K	39	1	He	64.079923	1.1	188870.143
Ca	43	1	He	2427.943389	1.3	9672.790
Ca	44	1	He	2478.215508	1.2	165357.650
Ti	47	1	He	0.018811	15.0	10.667
V	51	1	He	0.015008	637.3	-1283.030
Cr	52	1	He	0.092203	6.9	1574.077
Mn	55	1	He	-0.007365		702.687
Fe	56	1	He	0.775199	2.4	22644.857
Co	59	1	He	0.008094	12.9	226.000
Ni	60	1	He	-0.076718		382.677
Cu	63	1	He	0.066622	9.7	994.700
Zn	66	1	He	0.124784	3.6	467.343
As	75	1	He	0.000038	7647.2	220.667
Se	78	2	H2	0.005201	8.6	19.333
Sr	88	1	He	10.145405	0.9	167295.573
Mo	95	1	He	0.027183	20.4	206.667
Pd	105	1	He	0.003793	89.6	70.000
Ag	107	1	He	0.077517	9.4	2385.193
Cd	111	1	He	0.000563	224.2	4.940
Sn	118	1	He	0.105319	7.8	1250.060
Sb	121	1	He	0.007178	31.7	178.333
Ba	138	1	He	0.319115	1.8	10945.293
Pt	195	1	He	0.003052	85.6	116.667
Hg	202	1	He	0.004645	50.3	96.667
Tl	205	1	He	-0.003833		483.347
Pb	206	1	He	0.002727	72.5	125.000
Pb	207	1	He	-0.004387		781.693
Pb	208	1	He	0.001890	61.5	1218.370
Bi	209	1	He	-0.001877		1286.747
Th	232	1	He	0.002994	33.2	256.673
U	238	1	He	0.037642	0.6	2753.607

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	79.09555207	865010.313
Sc	45	2	H2	78.58413305	5266843.500
Ge	72	1	He	77.71819435	526262.113
Ge	72	2	H2	80.01560416	1451365.837
In	115	1	He	81.73337367	5957867.203
Tb	159	1	He	83.88196060	13582351.050
Ir	193	1	He	83.43552135	6522339.903

Sample Name	10607799004_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	218SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:14:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.287839	6.2	3318.127
Be	9	2	H2	0.032938	47.7	22.500
B	11	2	H2	13.374382	8.7	9782.767
Na	23	1	He	5933.958477	1.3	9037212.573
Mg	24	1	He	14328.21950	1.4	12105527.737
Al	27	1	He	4.380840	3.0	2201.137
Si	28	2	H2	5759.766220	7.1	20618363.333
K	39	1	He	739.918532	1.0	1033468.840
Ca	43	1	He	65294.15665	1.5	252242.730
Ca	44	1	He	66035.45287	1.9	4272083.513
Ti	47	1	He	0.093503	7.8	41.333
V	51	1	He	0.166199	66.6	231.417
Cr	52	1	He	1.723517	0.8	20659.757
Mn	55	1	He	0.260459	1.5	3054.937
Fe	56	1	He	10.648614	0.7	127844.353
Co	59	1	He	0.180034	1.3	3120.953
Ni	60	1	He	-0.010373		644.013
Cu	63	1	He	0.168437	7.9	2044.790
Zn	66	1	He	1.401385	2.6	3253.640
As	75	1	He	0.231043	5.4	628.510
Se	78	2	H2	0.479564	2.3	450.677
Sr	88	1	He	135.130126	1.6	2157198.043
Mo	95	1	He	0.285219	11.1	1916.790
Pd	105	1	He	0.015169	33.1	183.337
Ag	107	1	He	0.021947	14.7	1183.387
Cd	111	1	He	0.017732	17.8	71.093
Sn	118	1	He	0.040146	1.0	550.013
Sb	121	1	He	0.119903	3.4	1665.100
Ba	138	1	He	21.306671	1.1	709870.223
Pt	195	1	He	0.010199	44.1	203.340
Hg	202	1	He	0.016637	16.1	170.007
Tl	205	1	He	0.001391	100.2	711.690
Pb	206	1	He	0.035688	6.1	630.020
Pb	207	1	He	0.023247	30.0	1123.383
Pb	208	1	He	0.032094	7.6	3030.133
Bi	209	1	He	0.011418	32.6	1900.150
Th	232	1	He	0.008063	11.7	591.680
U	238	1	He	0.832863	1.3	57597.313

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.76043050	839472.793
Sc	45	2	H2	77.26968845	5178747.167
Ge	72	1	He	75.09021120	508466.950
Ge	72	2	H2	77.57885573	1407166.790
In	115	1	He	79.21259855	5774117.987
Tb	159	1	He	82.47081731	13353855.633
Ir	193	1	He	81.02106605	6333596.573

Sample Name	10607799004_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	219SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:18:12
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.307248	14.4	244.833
Be	9	2	H2	0.014601	34.6	12.833
B	11	2	H2	1.857845	49.1	3433.730
Na	23	1	He	309.432029	1.3	495593.613
Mg	24	1	He	713.452425	1.7	619451.750
Al	27	1	He	1.418268	2.2	865.353
Si	28	2	H2	293.825346	6.2	1068910.040
K	39	1	He	56.206230	4.5	177402.237
Ca	43	1	He	3233.369984	1.8	12788.140
Ca	44	1	He	3321.390621	1.5	219998.857
Ti	47	1	He	0.003257	143.0	4.000
V	51	1	He	-0.012156		-1554.877
Cr	52	1	He	0.109214	5.9	1766.760
Mn	55	1	He	-0.044229		363.340
Fe	56	1	He	0.924385	2.6	24122.070
Co	59	1	He	0.007321	19.4	211.333
Ni	60	1	He	-0.130677		151.333
Cu	63	1	He	0.024976	16.0	532.677
Zn	66	1	He	0.080681	6.7	365.340
As	75	1	He	0.000024	50208.	219.500
Se	78	2	H2	0.021679	23.8	34.333
Sr	88	1	He	6.536060	1.5	107588.223
Mo	95	1	He	0.012259	25.0	103.333
Pd	105	1	He	0.005097	57.6	83.333
Ag	107	1	He	0.030007	15.5	1386.733
Cd	111	1	He	0.001402	185.6	8.303
Sn	118	1	He	0.102580	3.1	1218.390
Sb	121	1	He	0.007565	29.0	183.333
Ba	138	1	He	1.072470	1.4	36243.863
Pt	195	1	He	0.003096	14.4	116.667
Hg	202	1	He	0.013722	92.7	153.337
Tl	205	1	He	-0.008430		270.003
Pb	206	1	He	0.003626	59.4	138.333
Pb	207	1	He	-0.007077		741.690
Pb	208	1	He	0.001580	226.1	1191.697
Bi	209	1	He	-0.001301		1306.750
Th	232	1	He	0.002348	37.4	210.003
U	238	1	He	0.040311	6.6	2915.297

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	78.54080931	858943.497
Sc	45	2	H2	77.93847168	5223570.167
Ge	72	1	He	77.32697575	523613.010
Ge	72	2	H2	79.07939716	1434384.413
In	115	1	He	81.53734236	5943577.710
Tb	159	1	He	83.36287898	13498300.217
Ir	193	1	He	82.64039924	6460183.443

Sample Name	10607799005_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	220SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:21:46
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.164073	4.9	1996.440
Be	9	2	H2	0.015309	68.0	12.833
B	11	2	H2	11.654819	2.5	8775.563
Na	23	1	He	6480.110249	2.2	9826160.270
Mg	24	1	He	6714.305852	2.2	5650254.290
Al	27	1	He	21.666715	2.5	10066.767
Si	28	2	H2	6217.424820	6.0	22143469.333
K	39	1	He	510.395063	1.8	741617.747
Ca	43	1	He	37332.67249	1.7	143619.283
Ca	44	1	He	37905.95249	2.5	2441972.610
Ti	47	1	He	0.334502	7.6	140.667
V	51	1	He	0.185284	71.3	418.703
Cr	52	1	He	1.296659	1.5	15588.037
Mn	55	1	He	4.363118	1.9	39241.680
Fe	56	1	He	26.747062	2.0	299196.053
Co	59	1	He	0.248253	4.2	4290.523
Ni	60	1	He	1.276311	4.8	5985.683
Cu	63	1	He	3.223827	1.0	34728.740
Zn	66	1	He	4.487522	0.3	10070.183
As	75	1	He	0.618376	4.8	1330.550
Se	78	2	H2	0.419680	5.9	394.003
Sr	88	1	He	57.685691	0.9	923861.083
Mo	95	1	He	0.895046	5.1	5999.430
Pd	105	1	He	0.009535	31.0	126.667
Ag	107	1	He	0.004980	125.2	841.697
Cd	111	1	He	0.006606	52.7	28.200
Sn	118	1	He	0.130843	8.7	1475.077
Sb	121	1	He	0.110845	6.0	1550.083
Ba	138	1	He	30.104039	0.6	1009624.857
Pt	195	1	He	0.008202	48.3	180.007
Hg	202	1	He	0.016460	53.6	170.003
Tl	205	1	He	-0.004158		463.347
Pb	206	1	He	0.138529	2.7	2226.840
Pb	207	1	He	0.118329	4.2	2360.197
Pb	208	1	He	0.127873	4.0	8899.330
Bi	209	1	He	0.001731	312.5	1446.760
Th	232	1	He	0.019996	8.3	1408.413
U	238	1	He	0.294670	2.1	20582.003

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.44304959	836001.830
Sc	45	2	H2	76.89089581	5153359.833
Ge	72	1	He	75.41173240	510644.103
Ge	72	2	H2	77.16848870	1399723.333
In	115	1	He	79.46142744	5792256.103
Tb	159	1	He	83.02525026	13443630.633
Ir	193	1	He	81.64808436	6382611.987

Sample Name	10607799005_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	221SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:25:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.200086	22.5	177.500
Be	9	2	H2	0.007490	58.9	9.000
B	11	2	H2	0.813937	38.5	2833.607
Na	23	1	He	341.288029	5.7	520093.887
Mg	24	1	He	347.468664	5.6	289192.157
Al	27	1	He	2.505977	12.9	1310.050
Si	28	2	H2	312.303151	6.0	1129116.207
K	39	1	He	50.055942	14.1	161703.047
Ca	43	1	He	1911.424887	5.6	7215.407
Ca	44	1	He	1960.999597	4.6	124000.900
Ti	47	1	He	0.018779	58.1	10.000
V	51	1	He	0.003370	1111.1	-1328.737
Cr	52	1	He	0.079380	11.3	1344.720
Mn	55	1	He	0.158658	11.7	2101.463
Fe	56	1	He	1.526383	7.1	29326.373
Co	59	1	He	0.011298	1.5	268.000
Ni	60	1	He	-0.067507		400.677
Cu	63	1	He	0.168127	7.1	2006.787
Zn	66	1	He	0.267013	15.6	749.353
As	75	1	He	0.025613	64.0	254.333
Se	78	2	H2	0.024094	23.3	36.667
Sr	88	1	He	2.946166	5.1	46142.180
Mo	95	1	He	0.034912	18.2	248.340
Pd	105	1	He	-0.000172		26.667
Ag	107	1	He	0.016102	7.4	1041.707
Cd	111	1	He	0.002326	140.5	11.590
Sn	118	1	He	0.109050	13.7	1223.390
Sb	121	1	He	0.007422	58.0	171.667
Ba	138	1	He	1.542265	5.7	49967.007
Pt	195	1	He	0.004786	71.2	133.333
Hg	202	1	He	0.010364	81.8	126.667
Tl	205	1	He	0.011388	321.9	1090.477
Pb	206	1	He	0.006642	54.7	176.667
Pb	207	1	He	0.002569	367.9	835.030
Pb	208	1	He	0.005549	42.1	1378.370
Bi	209	1	He	-0.000359		1300.087
Th	232	1	He	0.002033	26.4	181.667
U	238	1	He	0.015343	11.3	1116.720

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.03603239	820614.310
Sc	45	2	H2	77.44814802	5190707.833
Ge	72	1	He	73.91985260	500541.967
Ge	72	2	H2	79.14682745	1435607.500
In	115	1	He	77.50113727	5649362.840
Tb	159	1	He	80.10855881	12971353.557
Ir	193	1	He	80.00537859	6254198.030

Sample Name	10607799006_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	222SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:28:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.986630	4.7	1823.257
Be	9	2	H2	0.013107	41.1	11.500
B	11	2	H2	13.002482	7.8	9199.080
Na	23	1	He	5532.822595	1.8	8301917.790
Mg	24	1	He	8207.370985	1.2	6832121.980
Al	27	1	He	4.882747	4.5	2394.827
Si	28	2	H2	6268.197235	6.7	21565028.667
K	39	1	He	839.457336	0.7	1141455.297
Ca	43	1	He	102103.9095	1.0	388572.800
Ca	44	1	He	103534.8328	1.9	6598398.330
Ti	47	1	He	0.117812	14.2	50.667
V	51	1	He	0.314985	22.7	1665.820
Cr	52	1	He	1.914570	2.1	22560.003
Mn	55	1	He	3.661536	1.7	32698.127
Fe	56	1	He	10.504142	1.1	124416.620
Co	59	1	He	0.150919	7.6	2577.533
Ni	60	1	He	0.225937	9.3	1588.743
Cu	63	1	He	0.396671	3.5	4387.220
Zn	66	1	He	3.886037	3.1	8536.047
As	75	1	He	0.320960	6.2	774.687
Se	78	2	H2	1.084191	0.8	964.030
Sr	88	1	He	211.170430	2.3	3300371.720
Mo	95	1	He	0.121881	14.9	813.363
Pd	105	1	He	0.037588	23.5	403.347
Ag	107	1	He	0.037411	30.0	1466.747
Cd	111	1	He	0.005864	45.2	24.757
Sn	118	1	He	0.059750	13.3	733.357
Sb	121	1	He	0.078971	5.3	1100.047
Ba	138	1	He	38.101764	1.1	1247074.720
Pt	195	1	He	0.014885	59.0	256.673
Hg	202	1	He	0.008446	22.9	116.667
Tl	205	1	He	-0.004735		426.677
Pb	206	1	He	0.024290	10.7	446.677
Pb	207	1	He	0.022287	31.2	1091.717
Pb	208	1	He	0.023806	7.6	2483.430
Bi	209	1	He	0.000187	2402.6	1340.087
Th	232	1	He	0.002227	42.2	195.003
U	238	1	He	0.770869	1.6	52650.067

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.61933425	826993.457
Sc	45	2	H2	74.30143413	4979809.667
Ge	72	1	He	73.61492074	498477.147
Ge	72	2	H2	74.68347526	1354648.830
In	115	1	He	77.55548180	5653324.227
Tb	159	1	He	81.02880275	13120361.473
Ir	193	1	He	80.01645460	6255063.867

Sample Name	10607799006_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	223SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:32:28
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.183504	10.0	168.000
Be	9	2	H2	0.008303	33.0	9.500
B	11	2	H2	1.777166	33.9	3393.780
Na	23	1	He	293.000096	2.8	461839.277
Mg	24	1	He	418.106867	1.1	357830.373
Al	27	1	He	1.434296	5.4	857.687
Si	28	2	H2	317.255372	5.8	1155788.917
K	39	1	He	60.529991	7.0	179774.597
Ca	43	1	He	5099.218198	1.9	19811.590
Ca	44	1	He	5281.514327	1.8	343627.400
Ti	47	1	He	0.011414	63.8	7.333
V	51	1	He	-0.016978		-1574.850
Cr	52	1	He	0.126339	3.7	1938.113
Mn	55	1	He	0.126666	2.0	1879.440
Fe	56	1	He	0.883997	2.6	23267.627
Co	59	1	He	0.005193	9.6	172.000
Ni	60	1	He	-0.114954		215.333
Cu	63	1	He	0.038211	15.5	668.683
Zn	66	1	He	0.234682	5.1	704.020
As	75	1	He	0.003512	75.8	223.000
Se	78	2	H2	0.058017	28.6	68.000
Sr	88	1	He	10.257176	0.3	167755.657
Mo	95	1	He	0.002110	113.1	33.333
Pd	105	1	He	0.005120	70.0	83.333
Ag	107	1	He	0.000557	1063.0	766.690
Cd	111	1	He	0.001856	119.3	9.993
Sn	118	1	He	0.092993	14.2	1111.717
Sb	121	1	He	0.004321	33.1	138.333
Ba	138	1	He	1.895952	2.3	64176.327
Pt	195	1	He	0.003064	13.0	116.667
Hg	202	1	He	0.002636	254.4	83.333
Tl	205	1	He	-0.009801		208.337
Pb	206	1	He	0.003387	86.4	135.000
Pb	207	1	He	-0.002801		800.030
Pb	208	1	He	0.000895	152.2	1153.363
Bi	209	1	He	-0.002124		1270.077
Th	232	1	He	0.001252	4.1	135.000
U	238	1	He	0.037550	5.9	2731.937

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.17212815	843975.230
Sc	45	2	H2	78.06025062	5231732.000
Ge	72	1	He	76.30226519	516674.270
Ge	72	2	H2	78.95737132	1432171.043
In	115	1	He	81.06753363	5909331.503
Tb	159	1	He	83.63379871	13542168.133
Ir	193	1	He	82.95327147	6484641.360

Sample Name	10607799007_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	224SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:36:02
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.641230	5.2	3466.653
Be	9	2	H2	0.005958	25.7	8.000
B	11	2	H2	12.732878	10.7	9249.197
Na	23	1	He	6056.712508	1.8	9085535.697
Mg	24	1	He	12555.94671	2.4	10448877.763
Al	27	1	He	16.587451	3.3	7668.263
Si	28	2	H2	6730.578823	6.2	23621122.000
K	39	1	He	775.557101	1.7	1062158.573
Ca	43	1	He	60972.78070	1.4	232023.557
Ca	44	1	He	62080.90545	2.2	3955878.117
Ti	47	1	He	0.260922	26.2	109.333
V	51	1	He	0.061531	157.0	-785.037
Cr	52	1	He	1.614630	2.9	19092.737
Mn	55	1	He	2.937006	0.9	26371.837
Fe	56	1	He	14.986576	2.0	171744.383
Co	59	1	He	0.083598	2.2	1473.400
Ni	60	1	He	1.851897	3.1	8229.903
Cu	63	1	He	0.433692	2.2	4805.990
Zn	66	1	He	2.132465	2.2	4794.657
As	75	1	He	0.118892	2.6	421.343
Se	78	2	H2	0.279103	4.3	262.333
Sr	88	1	He	136.257898	1.9	2120966.687
Mo	95	1	He	0.756611	1.9	4987.423
Pd	105	1	He	0.015246	16.2	180.003
Ag	107	1	He	0.027846	23.7	1271.730
Cd	111	1	He	0.011262	56.8	45.170
Sn	118	1	He	0.162784	1.5	1750.113
Sb	121	1	He	0.043511	14.8	638.350
Ba	138	1	He	5.717121	1.1	189923.820
Pt	195	1	He	0.010272	45.1	203.340
Hg	202	1	He	0.010294	52.8	130.000
Tl	205	1	He	-0.006272		363.343
Pb	206	1	He	0.043307	15.1	745.027
Pb	207	1	He	0.033220	42.4	1246.730
Pb	208	1	He	0.040216	4.2	3511.840
Bi	209	1	He	0.001651	226.8	1430.093
Th	232	1	He	0.005479	6.9	416.677
U	238	1	He	0.782875	0.9	54074.740

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.62156871	827017.893
Sc	45	2	H2	75.81195697	5081047.500
Ge	72	1	He	74.11565659	501867.837
Ge	72	2	H2	75.91383960	1376965.837
In	115	1	He	77.24801429	5630911.710
Tb	159	1	He	82.19750960	13309601.050
Ir	193	1	He	80.91705962	6325466.160

Sample Name	10607799007_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	225SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:39:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.315893	10.2	245.833
Be	9	2	H2	0.006908	149.7	8.667
B	11	2	H2	1.032985	28.5	2923.617
Na	23	1	He	310.267750	1.8	491027.050
Mg	24	1	He	620.227793	2.3	532467.987
Al	27	1	He	2.035869	7.7	1140.703
Si	28	2	H2	339.216605	7.1	1211016.127
K	39	1	He	57.044322	3.1	176376.230
Ca	43	1	He	3002.647574	2.0	11735.807
Ca	44	1	He	3090.167440	2.5	202256.343
Ti	47	1	He	0.027201	62.9	14.000
V	51	1	He	0.004665	833.3	-1366.947
Cr	52	1	He	0.100622	7.8	1644.747
Mn	55	1	He	0.086764	4.6	1532.737
Fe	56	1	He	0.877463	2.3	23329.023
Co	59	1	He	0.001263	50.2	104.000
Ni	60	1	He	-0.046185		501.343
Cu	63	1	He	0.037477	5.8	657.347
Zn	66	1	He	0.164266	5.6	544.010
As	75	1	He	-0.009948		197.333
Se	78	2	H2	0.013867	58.5	26.667
Sr	88	1	He	6.470386	0.8	105353.330
Mo	95	1	He	0.031374	22.7	230.000
Pd	105	1	He	0.004217	35.3	73.333
Ag	107	1	He	0.001465	454.3	781.693
Cd	111	1	He	0.000572	221.8	4.930
Sn	118	1	He	0.113051	5.5	1313.397
Sb	121	1	He	-0.001305		61.667
Ba	138	1	He	0.285527	3.7	9731.230
Pt	195	1	He	0.000727	263.2	86.667
Hg	202	1	He	0.004246	57.8	93.333
Tl	205	1	He	-0.011304		138.333
Pb	206	1	He	0.001160	114.7	100.000
Pb	207	1	He	-0.001750		810.033
Pb	208	1	He	0.000893	81.2	1148.370
Bi	209	1	He	-0.003377		1203.403
Th	232	1	He	0.001210	19.4	131.667
U	238	1	He	0.036974	7.5	2681.930

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.61475317	848815.897
Sc	45	2	H2	76.49386032	5126749.833
Ge	72	1	He	75.89310696	513903.690
Ge	72	2	H2	77.53711697	1406409.710
In	115	1	He	80.65508647	5879266.607
Tb	159	1	He	83.23927281	13478285.633
Ir	193	1	He	82.63715589	6459929.903

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	226_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:43:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	78.122210	6.8	46138.287
Be	9	2	H2	77.779372	5.9	39133.353
B	11	2	H2	75.857168	4.0	42381.687
Na	23	1	He	2027.873430	0.0	3055153.080
Mg	24	1	He	2002.885372	0.8	1671503.723
Al	27	1	He	1948.937779	0.5	879640.707
Si	28	2	H2	959.637375	6.7	3290253.000
K	39	1	He	2027.649895	0.4	2617226.213
Ca	43	1	He	1946.516760	1.7	7426.277
Ca	44	1	He	1960.926461	1.3	125280.917
Ti	47	1	He	75.699893	0.9	30966.253
V	51	1	He	80.472099	0.7	777390.860
Cr	52	1	He	80.670293	0.7	933688.000
Mn	55	1	He	82.437464	0.3	721180.167
Fe	56	1	He	1016.925625	0.6	10769131.000
Co	59	1	He	81.979940	1.3	1389236.457
Ni	60	1	He	82.039495	0.5	340932.467
Cu	63	1	He	83.879488	0.7	896694.393
Zn	66	1	He	80.603960	0.6	177734.507
As	75	1	He	78.119201	0.3	141177.807
Se	78	2	H2	75.736592	1.9	67517.017
Sr	88	1	He	74.892735	0.9	1164072.483
Mo	95	1	He	80.825157	0.9	539776.127
Pd	105	1	He	77.889790	0.9	772759.700
Ag	107	1	He	38.668715	2.8	764967.670
Cd	111	1	He	77.001298	1.8	289732.503
Sn	118	1	He	76.308306	1.1	754083.427
Sb	121	1	He	74.281563	0.6	957690.507
Ba	138	1	He	78.513190	0.4	2569691.370
Pt	195	1	He	78.593991	1.6	957123.320
Hg	202	1	He	3.722559	2.7	22923.280
Tl	205	1	He	40.068755	0.8	1783569.973
Pb	206	1	He	79.875669	1.0	1207122.873
Pb	207	1	He	83.492380	1.3	1054251.627
Pb	208	1	He	81.761565	0.4	4874131.650
Bi	209	1	He	84.365670	1.3	3958431.400
Th	232	1	He	77.811129	0.3	5255921.590
U	238	1	He	75.879256	0.7	5243143.047

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.71191244	828005.917
Sc	45	2	H2	73.92410121	4954520.167
Ge	72	1	He	75.36571248	510332.483
Ge	72	2	H2	75.94225277	1377481.210
In	115	1	He	77.12805630	5622167.500
Tb	159	1	He	81.02815684	13120256.887
Ir	193	1	He	81.05499486	6336248.863

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	227_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:46:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.032810	54.7	71.167
Be	9	2	H2	0.016682	31.8	13.333
B	11	2	H2	0.741809	95.2	2706.927
Na	23	1	He	12.321557	2.4	31563.557
Mg	24	1	He	-2.169716		905.033
Al	27	1	He	0.945292	8.7	609.343
Si	28	2	H2	-0.031925		9413.780
K	39	1	He	22.425885	4.9	126739.777
Ca	43	1	He	1.981867	17.1	15.453
Ca	44	1	He	0.807899	88.6	191.587
Ti	47	1	He	0.012097	85.3	7.333
V	51	1	He	-0.082770		-2141.950
Cr	52	1	He	-0.001527		414.677
Mn	55	1	He	-0.068303		137.333
Fe	56	1	He	0.007266	310.9	13305.577
Co	59	1	He	-0.000011		79.333
Ni	60	1	He	-0.137585		115.333
Cu	63	1	He	0.001371	175.7	259.333
Zn	66	1	He	0.023700	92.1	224.000
As	75	1	He	-0.005881		197.500
Se	78	2	H2	0.013086	78.4	25.333
Sr	88	1	He	0.002043	97.4	213.333
Mo	95	1	He	0.009254	71.1	78.333
Pd	105	1	He	0.003187	31.0	60.000
Ag	107	1	He	0.215372	17.8	4984.110
Cd	111	1	He	0.005066	15.2	21.643
Sn	118	1	He	0.021521	37.7	351.673
Sb	121	1	He	0.011426	11.3	223.333
Ba	138	1	He	0.003734	9.4	250.003
Pt	195	1	He	0.005635	15.9	143.333
Hg	202	1	He	0.021152	57.0	193.337
Tl	205	1	He	0.039933	28.9	2395.213
Pb	206	1	He	0.002403	134.5	115.000
Pb	207	1	He	-0.000490		798.367
Pb	208	1	He	0.002713	109.2	1216.710
Bi	209	1	He	0.001683	36.9	1400.087
Th	232	1	He	0.012132	20.3	860.030
U	238	1	He	0.003562	18.3	318.343

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.32702130	812860.373
Sc	45	2	H2	74.78503609	5012221.500
Ge	72	1	He	73.21636000	495778.327
Ge	72	2	H2	75.74799765	1373957.707
In	115	1	He	77.18515296	5626329.500
Tb	159	1	He	80.45077050	13026765.223
Ir	193	1	He	80.49919212	6292800.530

Sample Name	10607799008_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	228SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:50:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.126520	5.4	731.347
Be	9	2	H2	0.025837	55.6	18.167
B	11	2	H2	8.349690	17.8	6851.363
Na	23	1	He	4607.367814	2.0	6841706.773
Mg	24	1	He	12562.79797	2.1	10344757.140
Al	27	1	He	6.435983	0.9	3061.923
Si	28	2	H2	4328.204620	7.0	15143686.333
K	39	1	He	736.539620	2.1	1003105.220
Ca	43	1	He	45970.29297	2.1	173083.390
Ca	44	1	He	46862.53236	2.0	2954772.197
Ti	47	1	He	0.109383	37.2	46.667
V	51	1	He	1.107880	10.8	9227.753
Cr	52	1	He	0.771066	3.8	9247.713
Mn	55	1	He	0.780942	3.2	7472.233
Fe	56	1	He	4.815353	0.7	63643.570
Co	59	1	He	0.475271	5.1	7917.100
Ni	60	1	He	0.077678	4.8	984.697
Cu	63	1	He	0.560211	3.0	6073.043
Zn	66	1	He	1.916182	5.7	4281.193
As	75	1	He	0.590695	5.5	1245.543
Se	78	2	H2	9.963269	0.8	8943.923
Sr	88	1	He	73.501276	1.6	1142919.617
Mo	95	1	He	0.128203	2.1	851.697
Pd	105	1	He	0.012593	8.6	153.333
Ag	107	1	He	0.086651	16.7	2433.530
Cd	111	1	He	0.018278	30.0	71.410
Sn	118	1	He	0.064544	8.1	776.690
Sb	121	1	He	0.384425	2.3	5034.127
Ba	138	1	He	21.752919	2.0	712846.370
Pt	195	1	He	0.007712	54.1	170.003
Hg	202	1	He	0.018168	58.2	176.673
Tl	205	1	He	0.018552	23.0	1465.080
Pb	206	1	He	0.028978	17.7	518.347
Pb	207	1	He	0.017585	46.3	1033.380
Pb	208	1	He	0.025490	10.2	2586.770
Bi	209	1	He	0.012940	14.2	1940.150
Th	232	1	He	0.010385	19.5	740.027
U	238	1	He	0.268694	1.8	18410.953

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.81835884	818233.773
Sc	45	2	H2	75.54860203	5063397.000
Ge	72	1	He	73.36650194	496795.000
Ge	72	2	H2	76.34821389	1384844.750
In	115	1	He	77.15642217	5624235.200
Tb	159	1	He	81.12612313	13136119.803
Ir	193	1	He	80.06861508	6259141.367

Sample Name	10607799008_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	229SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:53:52
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.078375	21.4	100.833
Be	9	2	H2	0.007819	52.1	9.000
B	11	2	H2	0.680642	48.1	2733.590
Na	23	1	He	242.206577	1.4	384753.207
Mg	24	1	He	638.816349	2.0	546041.397
Al	27	1	He	1.528693	3.8	902.357
Si	28	2	H2	222.373210	6.6	798484.290
K	39	1	He	54.868590	1.9	172870.020
Ca	43	1	He	2285.912506	0.7	8898.463
Ca	44	1	He	2376.856932	2.0	154951.660
Ti	47	1	He	0.009811	28.4	6.667
V	51	1	He	0.062415	69.3	-791.240
Cr	52	1	He	0.096132	9.9	1584.073
Mn	55	1	He	-0.018107		590.677
Fe	56	1	He	0.566282	3.8	19870.243
Co	59	1	He	0.021351	14.0	448.677
Ni	60	1	He	-0.126827		165.333
Cu	63	1	He	0.043746	7.5	728.020
Zn	66	1	He	0.138920	2.8	490.010
As	75	1	He	0.008002	55.0	231.000
Se	78	2	H2	0.519416	5.8	491.010
Sr	88	1	He	3.595172	1.7	58395.007
Mo	95	1	He	0.007060	80.6	66.667
Pd	105	1	He	0.004256	86.6	73.333
Ag	107	1	He	0.048536	32.6	1746.773
Cd	111	1	He	0.004428	58.4	19.980
Sn	118	1	He	0.111175	19.9	1288.393
Sb	121	1	He	0.016723	25.8	303.343
Ba	138	1	He	1.099599	1.2	36880.280
Pt	195	1	He	0.005837	95.8	150.003
Hg	202	1	He	0.016008	34.4	166.670
Tl	205	1	He	-0.004353		453.343
Pb	206	1	He	0.001534	58.0	105.000
Pb	207	1	He	-0.000470		821.697
Pb	208	1	He	0.001666	74.5	1188.367
Bi	209	1	He	0.000357	876.2	1376.753
Th	232	1	He	0.003447	23.7	283.337
U	238	1	He	0.014423	11.2	1083.383

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.27959502	845150.517
Sc	45	2	H2	76.64662175	5136988.167
Ge	72	1	He	76.23919368	516247.187
Ge	72	2	H2	78.24253704	1419204.997
In	115	1	He	80.33667840	5856056.590
Tb	159	1	He	82.73985084	13397418.133
Ir	193	1	He	82.01267735	6411113.030

Sample Name	10607799009_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	230SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/17/2022 23:57:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.092265	4.8	3679.863
Be	9	2	H2	0.006584	45.4	8.167
B	11	2	H2	13.256065	3.9	9372.547
Na	23	1	He	5452.077965	2.0	8104249.463
Mg	24	1	He	17642.22915	1.7	14545701.033
Al	27	1	He	7.460063	3.2	3522.673
Si	28	2	H2	5559.905207	6.6	19213765.333
K	39	1	He	649.819578	1.4	897986.703
Ca	43	1	He	57811.52466	2.0	217952.537
Ca	44	1	He	58664.01829	2.6	3703578.440
Ti	47	1	He	0.114464	61.7	48.667
V	51	1	He	0.145524	111.1	35.260
Cr	52	1	He	4.149026	3.4	47918.320
Mn	55	1	He	0.885296	3.6	8385.963
Fe	56	1	He	10.761617	1.6	125949.070
Co	59	1	He	0.075148	4.4	1320.053
Ni	60	1	He	0.826382	2.3	4010.467
Cu	63	1	He	0.534109	1.8	5806.953
Zn	66	1	He	2.932922	2.8	6467.183
As	75	1	He	0.321826	4.4	774.020
Se	78	2	H2	2.873038	2.1	2552.520
Sr	88	1	He	122.356237	1.8	1908590.073
Mo	95	1	He	0.238978	3.7	1573.417
Pd	105	1	He	0.023576	24.3	263.343
Ag	107	1	He	0.042824	16.7	1571.757
Cd	111	1	He	0.002280	32.3	11.193
Sn	118	1	He	0.047661	14.7	611.683
Sb	121	1	He	0.079932	8.1	1110.047
Ba	138	1	He	4.921515	1.3	161776.217
Pt	195	1	He	0.005511	22.5	143.333
Hg	202	1	He	0.002432	406.5	80.000
Tl	205	1	He	-0.003429		486.677
Pb	206	1	He	0.024401	24.9	450.013
Pb	207	1	He	0.020799	28.2	1076.717
Pb	208	1	He	0.022797	5.5	2431.763
Bi	209	1	He	-0.001682		1256.747
Th	232	1	He	0.002891	25.5	240.003
U	238	1	He	0.369745	2.5	25343.913

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.91933965	819338.127
Sc	45	2	H2	74.57674042	4998261.167
Ge	72	1	He	73.42194334	497170.417
Ge	72	2	H2	75.28035606	1365475.373
In	115	1	He	77.40784533	5642562.423
Tb	159	1	He	81.32032132	13167564.800
Ir	193	1	He	80.18421723	6268178.243

Sample Name	10607799009_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	231SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:00:59
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.335779	13.3	261.667
Be	9	2	H2	0.006842	36.5	8.667
B	11	2	H2	0.562574	67.0	2706.920
Na	23	1	He	276.903928	0.2	440982.990
Mg	24	1	He	880.445901	0.4	756860.403
Al	27	1	He	1.521081	4.9	905.357
Si	28	2	H2	282.729028	6.3	1025271.023
K	39	1	He	49.125345	3.5	166774.243
Ca	43	1	He	2843.616583	1.8	11146.723
Ca	44	1	He	2949.087192	0.6	193584.510
Ti	47	1	He	0.017616	71.2	10.000
V	51	1	He	-0.061331		-2027.153
Cr	52	1	He	0.256301	2.7	3500.350
Mn	55	1	He	-0.011366		655.347
Fe	56	1	He	0.873135	2.6	23347.040
Co	59	1	He	0.001216	27.0	104.000
Ni	60	1	He	-0.090694		318.000
Cu	63	1	He	0.033754	8.6	622.013
Zn	66	1	He	0.155173	15.9	528.010
As	75	1	He	0.011391	114.3	238.000
Se	78	2	H2	0.130090	7.1	135.667
Sr	88	1	He	5.900033	0.8	96091.003
Mo	95	1	He	0.011190	36.7	95.000
Pd	105	1	He	0.003247	104.2	63.333
Ag	107	1	He	0.036898	23.7	1515.083
Cd	111	1	He	-0.000688		-0.030
Sn	118	1	He	0.102389	9.7	1203.390
Sb	121	1	He	0.002407	90.5	111.667
Ba	138	1	He	0.242046	5.3	8263.787
Pt	195	1	He	0.000972	211.2	90.000
Hg	202	1	He	0.006878	59.8	110.000
Tl	205	1	He	-0.008964		245.000
Pb	206	1	He	0.000303	605.8	86.667
Pb	207	1	He	-0.006849		743.360
Pb	208	1	He	-0.000918		1036.697
Bi	209	1	He	0.000550	417.3	1393.427
Th	232	1	He	0.000797	76.0	103.333
U	238	1	He	0.019128	0.4	1425.080

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.83014836	851171.517
Sc	45	2	H2	77.58452422	5199848.000
Ge	72	1	He	76.48615734	517919.480
Ge	72	2	H2	79.41834901	1440532.503
In	115	1	He	80.66111537	5879706.077
Tb	159	1	He	83.19078758	13470434.800
Ir	193	1	He	82.74400864	6468282.820

Sample Name	10607799010_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	232SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:04:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.958937	4.3	3023.243
Be	9	2	H2	0.024424	14.3	17.333
B	11	2	H2	16.035895	9.3	10930.053
Na	23	1	He	14400.07100	1.3	21544140.513
Mg	24	1	He	25017.03676	1.6	20780086.357
Al	27	1	He	22.984025	0.5	10532.997
Si	28	2	H2	5863.035507	8.2	20376152.000
K	39	1	He	1314.139742	1.4	1726407.527
Ca	43	1	He	50195.20682	1.4	190665.323
Ca	44	1	He	50901.47851	1.5	3237836.567
Ti	47	1	He	0.513409	11.7	212.000
V	51	1	He	0.946644	7.8	7754.370
Cr	52	1	He	1.131414	3.1	13487.037
Mn	55	1	He	40.482751	1.4	353428.900
Fe	56	1	He	34.408051	1.6	376196.157
Co	59	1	He	0.388632	2.8	6554.540
Ni	60	1	He	0.784724	3.5	3877.097
Cu	63	1	He	0.362627	4.1	4057.803
Zn	66	1	He	5.580490	1.0	12262.210
As	75	1	He	0.536046	3.0	1161.540
Se	78	2	H2	6.998636	1.6	6257.777
Sr	88	1	He	269.316864	1.4	4182002.123
Mo	95	1	He	0.674065	3.8	4443.937
Pd	105	1	He	0.045240	26.0	476.687
Ag	107	1	He	0.033349	17.1	1376.737
Cd	111	1	He	0.025563	9.1	98.667
Sn	118	1	He	0.098898	12.0	1115.050
Sb	121	1	He	0.105276	6.7	1431.743
Ba	138	1	He	44.781142	0.9	1480182.687
Pt	195	1	He	0.010608	89.2	206.673
Hg	202	1	He	0.009349	95.4	123.333
Tl	205	1	He	0.030707	4.7	2023.487
Pb	206	1	He	0.111025	5.8	1775.113
Pb	207	1	He	0.105964	5.7	2168.500
Pb	208	1	He	0.110943	1.8	7752.440
Bi	209	1	He	0.015332	19.3	2070.180
Th	232	1	He	0.015344	4.3	1070.047
U	238	1	He	0.813406	2.8	55564.993

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.48037188	825473.727
Sc	45	2	H2	75.07318647	5031533.833
Ge	72	1	He	74.10146556	501771.743
Ge	72	2	H2	76.01310102	1378766.293
In	115	1	He	77.05405028	5616772.910
Tb	159	1	He	81.82796740	13249763.967
Ir	193	1	He	80.04057865	6256949.697

Sample Name	10607799010_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	233SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:08:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.288940	10.2	231.500
Be	9	2	H2	0.007518	71.5	9.000
B	11	2	H2	0.363301	94.0	2580.233
Na	23	1	He	733.049518	1.3	1141133.627
Mg	24	1	He	1260.382416	0.7	1079275.740
Al	27	1	He	2.417255	1.6	1317.383
Si	28	2	H2	300.839239	5.3	1085938.250
K	39	1	He	86.675482	0.8	214081.200
Ca	43	1	He	2512.544044	1.7	9822.583
Ca	44	1	He	2551.986027	0.5	167077.417
Ti	47	1	He	0.044709	12.2	21.333
V	51	1	He	0.060336	65.7	-815.623
Cr	52	1	He	0.087889	3.5	1493.403
Mn	55	1	He	1.972315	1.2	18426.053
Fe	56	1	He	2.336653	0.9	39151.483
Co	59	1	He	0.017852	25.4	391.340
Ni	60	1	He	-0.094663		302.667
Cu	63	1	He	0.027546	13.7	557.343
Zn	66	1	He	0.317454	1.1	894.693
As	75	1	He	0.014804	83.8	245.333
Se	78	2	H2	0.327438	7.8	316.000
Sr	88	1	He	13.024639	0.1	210960.250
Mo	95	1	He	0.031934	27.6	236.673
Pd	105	1	He	0.001984	212.3	50.000
Ag	107	1	He	1.173401	86.7	24911.197
Cd	111	1	He	0.001854	68.7	9.930
Sn	118	1	He	0.109398	16.6	1270.060
Sb	121	1	He	0.006661	33.0	168.333
Ba	138	1	He	2.181748	0.9	73114.237
Pt	195	1	He	0.000740	378.3	86.667
Hg	202	1	He	0.006429	74.9	106.667
Tl	205	1	He	-0.007545		308.343
Pb	206	1	He	0.008752	28.5	216.670
Pb	207	1	He	0.002608	216.4	861.700
Pb	208	1	He	0.006717	25.6	1496.713
Bi	209	1	He	0.000268	273.3	1373.423
Th	232	1	He	0.000992	30.9	115.000
U	238	1	He	0.039445	6.5	2811.947

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.61708303	848841.377
Sc	45	2	H2	77.31285605	5181640.333
Ge	72	1	He	76.82263307	520197.897
Ge	72	2	H2	78.53984863	1424597.793
In	115	1	He	80.30503828	5853750.217
Tb	159	1	He	82.81970401	13410348.133
Ir	193	1	He	81.41887625	6364694.280

Sample Name	10607799011_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	234SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:11:39
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.640337	4.7	2905.560
Be	9	2	H2	0.008151	63.4	9.333
B	11	2	H2	12.038065	11.3	9015.687
Na	23	1	He	6554.309815	1.4	10007950.060
Mg	24	1	He	29547.25635	1.6	25029128.793
Al	27	1	He	11.468653	1.9	5458.477
Si	28	2	H2	5785.172477	5.7	20623690.667
K	39	1	He	1099.068153	1.4	1489352.163
Ca	43	1	He	44088.32835	1.0	170793.583
Ca	44	1	He	44868.85483	0.9	2910816.620
Ti	47	1	He	0.123675	3.5	54.000
V	51	1	He	1.189627	5.8	10303.817
Cr	52	1	He	2.692890	1.4	32116.973
Mn	55	1	He	0.750100	0.8	7414.207
Fe	56	1	He	16.063786	0.6	186428.470
Co	59	1	He	0.237127	1.2	4057.140
Ni	60	1	He	0.188221	12.6	1454.730
Cu	63	1	He	0.375993	3.8	4225.847
Zn	66	1	He	10.810579	2.3	23741.677
As	75	1	He	0.255130	5.4	667.343
Se	78	2	H2	0.176100	6.1	174.000
Sr	88	1	He	110.919833	0.7	1733925.963
Mo	95	1	He	0.627068	5.0	4162.210
Pd	105	1	He	0.015522	3.8	183.337
Ag	107	1	He	1.232405	82.0	25214.090
Cd	111	1	He	0.012202	11.0	48.753
Sn	118	1	He	0.163585	3.9	1765.113
Sb	121	1	He	5.962947	0.2	77387.273
Ba	138	1	He	45.271328	1.0	1496146.853
Pt	195	1	He	0.008154	23.3	176.673
Hg	202	1	He	0.012024	13.7	140.000
Tl	205	1	He	0.018802	5.9	1488.417
Pb	206	1	He	0.048357	4.0	818.363
Pb	207	1	He	0.040953	1.6	1340.067
Pb	208	1	He	0.046784	3.3	3890.217
Bi	209	1	He	-0.000227		1333.423
Th	232	1	He	0.002530	17.7	216.670
U	238	1	He	1.218327	0.8	83684.460

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.97604698	841830.833
Sc	45	2	H2	76.97653969	5159099.833
Ge	72	1	He	74.58173449	505023.843
Ge	72	2	H2	77.39561565	1403843.083
In	115	1	He	77.56581577	5654077.510
Tb	159	1	He	81.81753801	13248075.217
Ir	193	1	He	80.50990300	6293637.823

Sample Name	10607799011_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	235SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:15:14
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.239165	6.1	207.833
Be	9	2	H2	0.001482	240.9	6.000
B	11	2	H2	0.156018	229.5	2556.897
Na	23	1	He	338.117764	1.1	548530.277
Mg	24	1	He	1507.026033	0.8	1325332.793
Al	27	1	He	1.803343	1.6	1061.697
Si	28	2	H2	294.635889	6.8	1100525.247
K	39	1	He	74.870030	3.3	204513.760
Ca	43	1	He	2219.353966	1.2	8915.290
Ca	44	1	He	2277.858578	1.0	153236.000
Ti	47	1	He	0.007675	261.1	6.000
V	51	1	He	0.098563	132.8	-452.967
Cr	52	1	He	0.142211	2.2	2196.140
Mn	55	1	He	-0.028282		516.010
Fe	56	1	He	0.900571	5.3	24226.867
Co	59	1	He	0.008397	15.7	230.667
Ni	60	1	He	-0.123465		182.667
Cu	63	1	He	0.015428	14.7	429.343
Zn	66	1	He	0.541796	3.4	1412.063
As	75	1	He	0.018924	20.2	255.333
Se	78	2	H2	0.013311	88.5	27.000
Sr	88	1	He	5.284708	2.0	87484.760
Mo	95	1	He	0.029917	15.0	225.000
Pd	105	1	He	0.004129	158.1	73.333
Ag	107	1	He	0.123051	11.5	3350.360
Cd	111	1	He	0.000549	228.0	4.933
Sn	118	1	He	0.107207	2.6	1273.393
Sb	121	1	He	0.284813	5.5	3983.830
Ba	138	1	He	2.154492	1.3	73743.493
Pt	195	1	He	-0.000691		70.000
Hg	202	1	He	0.002977	83.0	86.667
Tl	205	1	He	-0.009667		216.670
Pb	206	1	He	0.001384	26.0	105.000
Pb	207	1	He	0.003977	160.5	898.367
Pb	208	1	He	0.001726	65.8	1218.367
Bi	209	1	He	-0.002344		1276.753
Th	232	1	He	0.000375	4.2	75.000
U	238	1	He	0.060609	5.7	4397.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	79.74934385	872160.357
Sc	45	2	H2	80.01603709	5362812.167
Ge	72	1	He	77.56810754	525245.813
Ge	72	2	H2	80.52711644	1460643.920
In	115	1	He	81.96791312	5974963.707
Tb	159	1	He	84.59795775	13698286.880
Ir	193	1	He	83.64563435	6538764.903

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	236_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:18:50
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	77.792543	5.9	47512.863
Be	9	2	H2	77.383683	4.9	40261.410
B	11	2	H2	76.796588	6.3	44343.373
Na	23	1	He	2032.395076	0.8	3082610.890
Mg	24	1	He	2016.844780	1.5	1694367.003
Al	27	1	He	1954.832059	0.7	888220.063
Si	28	2	H2	961.861561	6.0	3410270.750
K	39	1	He	2043.710888	1.5	2654801.313
Ca	43	1	He	1948.635840	2.9	7482.673
Ca	44	1	He	1945.699698	1.1	125130.130
Ti	47	1	He	76.065199	0.9	31327.513
V	51	1	He	80.587436	0.8	783782.247
Cr	52	1	He	80.837782	0.5	941877.897
Mn	55	1	He	82.124443	0.4	723323.293
Fe	56	1	He	1021.583442	1.5	10890549.000
Co	59	1	He	82.481196	1.2	1409057.877
Ni	60	1	He	81.966652	1.0	343409.810
Cu	63	1	He	83.868152	0.3	903960.893
Zn	66	1	He	80.376626	1.0	178689.957
As	75	1	He	78.194088	0.9	142468.470
Se	78	2	H2	77.051604	0.5	69740.527
Sr	88	1	He	74.786655	1.3	1174926.050
Mo	95	1	He	81.545556	0.5	549044.223
Pd	105	1	He	77.093572	0.6	773008.037
Ag	107	1	He	39.981057	5.5	799676.290
Cd	111	1	He	76.919505	1.2	292572.823
Sn	118	1	He	75.861397	0.2	757730.067
Sb	121	1	He	73.332169	0.8	955575.063
Ba	138	1	He	78.226234	1.3	2585148.867
Pt	195	1	He	76.836603	1.0	944946.730
Hg	202	1	He	3.540939	3.2	22025.613
Tl	205	1	He	39.438157	0.6	1772576.793
Pb	206	1	He	78.907005	0.8	1204179.463
Pb	207	1	He	81.809446	1.2	1043201.780
Pb	208	1	He	80.511931	0.7	4846544.020
Bi	209	1	He	84.047088	1.0	3981417.337
Th	232	1	He	78.263365	0.7	5281081.173
U	238	1	He	76.120293	0.7	5253930.443

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.22444459	833611.107
Sc	45	2	H2	76.38843429	5119684.000
Ge	72	1	He	75.98238816	514508.250
Ge	72	2	H2	77.08525890	1398213.667
In	115	1	He	77.95199298	5682227.487
Tb	159	1	He	81.81724723	13248028.133
Ir	193	1	He	80.96987834	6329595.117

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	237_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:22:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.038619	36.5	75.000
Be	9	2	H2	0.017548	6.1	13.833
B	11	2	H2	0.204383	93.8	2426.877
Na	23	1	He	10.366766	2.9	29136.277
Mg	24	1	He	-1.996460		1063.370
Al	27	1	He	0.923469	8.0	609.343
Si	28	2	H2	0.017539	238.0	9626.560
K	39	1	He	23.755723	6.4	130393.593
Ca	43	1	He	1.129693	147.8	12.490
Ca	44	1	He	0.821294	132.4	195.187
Ti	47	1	He	0.016706	15.9	9.333
V	51	1	He	-0.023709		-1607.480
Cr	52	1	He	0.001063	623.0	451.343
Mn	55	1	He	-0.064745		170.667
Fe	56	1	He	0.047009	59.7	13935.483
Co	59	1	He	0.003285	75.8	135.333
Ni	60	1	He	-0.142242		98.000
Cu	63	1	He	0.003621	75.8	286.667
Zn	66	1	He	0.024450	81.3	228.667
As	75	1	He	0.014773	28.4	237.000
Se	78	2	H2	0.009838	23.5	22.667
Sr	88	1	He	0.000834	497.7	196.670
Mo	95	1	He	0.022515	16.3	166.667
Pd	105	1	He	0.007108	42.6	100.000
Ag	107	1	He	0.979474	64.8	20312.330
Cd	111	1	He	0.005416	73.4	23.283
Sn	118	1	He	0.015602	36.4	296.673
Sb	121	1	He	0.012493	26.8	240.000
Ba	138	1	He	0.004735	36.6	281.673
Pt	195	1	He	0.002632	66.4	106.667
Hg	202	1	He	0.032762	20.7	263.340
Tl	205	1	He	0.046038	27.4	2658.587
Pb	206	1	He	0.007207	36.0	186.667
Pb	207	1	He	0.004605	156.4	860.030
Pb	208	1	He	0.004992	53.9	1348.370
Bi	209	1	He	0.003619	117.8	1486.767
Th	232	1	He	0.013827	20.5	980.043
U	238	1	He	0.004685	13.8	396.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.50620732	825756.270
Sc	45	2	H2	75.15043258	5036711.000
Ge	72	1	He	74.25415990	502805.700
Ge	72	2	H2	76.56456250	1388768.997
In	115	1	He	78.11384596	5694025.587
Tb	159	1	He	80.23980757	12992605.643
Ir	193	1	He	80.83794204	6319281.363

Sample Name	4322416_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	238SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:25:59
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.452022	4.5	64897.620
Be	9	2	H2	102.933758	3.9	53469.823
B	11	2	H2	111.259538	5.5	63100.697
Na	23	1	He	8797.348801	1.3	13412406.050
Mg	24	1	He	32116.40800	1.4	27173212.930
Al	27	1	He	2081.476722	0.8	953956.623
Si	28	2	H2	6486.732260	6.7	22920153.333
K	39	1	He	3276.294023	1.0	4230863.893
Ca	43	1	He	47577.31884	0.9	184095.687
Ca	44	1	He	47874.30546	1.4	3102024.373
Ti	47	1	He	101.146367	1.1	42017.553
V	51	1	He	108.883763	1.1	1068641.687
Cr	52	1	He	109.731877	1.2	1289422.453
Mn	55	1	He	106.322815	1.0	944354.627
Fe	56	1	He	2140.551791	1.8	23001345.333
Co	59	1	He	107.143581	1.7	1828938.460
Ni	60	1	He	106.117020	0.7	444062.123
Cu	63	1	He	105.651750	1.1	1137831.877
Zn	66	1	He	114.464928	0.7	254211.413
As	75	1	He	105.760351	0.4	192482.310
Se	78	2	H2	103.730232	0.9	93067.760
Sr	88	1	He	217.199291	0.2	3331904.950
Mo	95	1	He	110.340065	0.3	742380.927
Pd	105	1	He	20.016010	2.4	195986.240
Ag	107	1	He	47.509705	6.0	927563.060
Cd	111	1	He	102.132398	1.1	379354.850
Sn	118	1	He	103.074010	0.6	1005295.063
Sb	121	1	He	107.655835	0.8	1369830.083
Ba	138	1	He	148.447565	1.2	4941662.320
Pt	195	1	He	19.945299	1.2	247162.960
Hg	202	1	He	0.026266	1.1	230.010
Tl	205	1	He	104.189676	1.3	4716196.493
Pb	206	1	He	103.710175	1.4	1594253.047
Pb	207	1	He	103.412233	0.4	1328211.440
Pb	208	1	He	103.802096	0.7	6294223.187
Bi	209	1	He	104.977910	1.0	5009165.550
Th	232	1	He	107.733018	1.2	7172723.017
U	238	1	He	103.515595	1.0	7049487.603

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.88880852	840876.770
Sc	45	2	H2	76.25799896	5110942.000
Ge	72	1	He	75.92919888	514148.083
Ge	72	2	H2	76.41034001	1385971.627
In	115	1	He	76.12239408	5548860.823
Tb	159	1	He	82.42122816	13345826.050
Ir	193	1	He	79.89113566	6245267.407

Sample Name	10607799012_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	239SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:29:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	8.716254	3.8	5072.020
Be	9	2	H2	0.039962	13.8	24.333
B	11	2	H2	15.902611	9.1	10443.140
Na	23	1	He	5656.928841	1.3	8435735.707
Mg	24	1	He	57447.17244	1.1	47512642.627
Al	27	1	He	9.138295	2.6	4285.833
Si	28	2	H2	6774.062460	8.0	22651266.000
K	39	1	He	1520.734905	1.3	1973550.593
Ca	43	1	He	134715.4476	1.1	509536.923
Ca	44	1	He	136434.6997	1.5	8641736.373
Ti	47	1	He	0.172791	1.2	72.667
V	51	1	He	0.010654	450.2	-1268.273
Cr	52	1	He	0.403198	2.4	5066.727
Mn	55	1	He	365.032190	1.5	3167565.167
Fe	56	1	He	194.990735	2.1	2060458.207
Co	59	1	He	0.291284	2.0	4851.337
Ni	60	1	He	3.921425	3.2	16390.133
Cu	63	1	He	0.189045	8.4	2196.813
Zn	66	1	He	3.532526	2.9	7697.677
As	75	1	He	3.015974	2.5	5468.840
Se	78	2	H2	0.462128	3.5	411.677
Sr	88	1	He	167.833628	1.2	2564893.240
Mo	95	1	He	4.318916	1.8	27905.713
Pd	105	1	He	0.028933	12.9	310.010
Ag	107	1	He	1.599728	73.8	31794.157
Cd	111	1	He	0.018685	43.4	71.630
Sn	118	1	He	0.154944	3.4	1641.760
Sb	121	1	He	0.448760	3.0	5762.687
Ba	138	1	He	12.027549	0.2	393217.237
Pt	195	1	He	0.016798	34.0	280.010
Hg	202	1	He	0.012829	53.5	143.337
Tl	205	1	He	0.033289	13.3	2115.160
Pb	206	1	He	0.064855	7.6	1058.377
Pb	207	1	He	0.059056	6.3	1553.427
Pb	208	1	He	0.065794	2.0	4978.677
Bi	209	1	He	0.009199	54.1	1760.137
Th	232	1	He	0.031642	13.5	2106.833
U	238	1	He	0.275409	2.6	18419.243

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.15729403	821940.460
Sc	45	2	H2	72.14944509	4835579.667
Ge	72	1	He	72.87546422	493469.980
Ge	72	2	H2	73.42930635	1331900.043
In	115	1	He	75.83251394	5527730.320
Tb	159	1	He	80.91695891	13102251.473
Ir	193	1	He	78.15221335	6109331.990

Sample Name	10607799012_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	240SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:33:07
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.494283	13.6	362.500
Be	9	2	H2	0.018524	44.5	15.000
B	11	2	H2	0.207531	139.4	2526.893
Na	23	1	He	298.257753	1.9	473576.840
Mg	24	1	He	2967.289564	1.2	2542400.900
Al	27	1	He	1.934081	5.5	1096.033
Si	28	2	H2	358.739806	5.3	1306974.583
K	39	1	He	96.626520	2.7	227208.213
Ca	43	1	He	6763.894268	1.6	26483.613
Ca	44	1	He	6930.541586	1.2	454426.743
Ti	47	1	He	0.098598	154.8	44.003
V	51	1	He	-0.032501		-1742.957
Cr	52	1	He	0.054797	7.9	1103.370
Mn	55	1	He	18.520281	0.7	167033.597
Fe	56	1	He	10.566641	1.6	128646.407
Co	59	1	He	0.013199	1.4	311.333
Ni	60	1	He	0.069620	21.3	996.700
Cu	63	1	He	0.027199	8.8	553.343
Zn	66	1	He	0.237537	12.1	715.350
As	75	1	He	0.164164	10.0	519.843
Se	78	2	H2	0.031165	59.3	43.000
Sr	88	1	He	8.003997	1.0	130828.837
Mo	95	1	He	0.198874	13.0	1371.740
Pd	105	1	He	0.004185	70.2	73.333
Ag	107	1	He	1.125153	83.1	24093.850
Cd	111	1	He	0.000901	79.6	6.257
Sn	118	1	He	0.109790	1.2	1285.063
Sb	121	1	He	0.020471	26.6	356.677
Ba	138	1	He	0.611411	1.7	20681.130
Pt	195	1	He	0.003904	115.6	126.670
Hg	202	1	He	0.010594	23.5	133.337
Tl	205	1	He	0.000663	384.7	685.023
Pb	206	1	He	0.009657	12.2	231.667
Pb	207	1	He	0.004454	170.0	890.037
Pb	208	1	He	0.007463	30.5	1550.047
Bi	209	1	He	-0.001109		1313.410
Th	232	1	He	0.006613	20.8	501.683
U	238	1	He	0.015800	10.5	1181.727

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	77.78096035	850633.583
Sc	45	2	H2	78.14387276	5237336.500
Ge	72	1	He	76.80011488	520045.417
Ge	72	2	H2	79.01854624	1433280.667
In	115	1	He	80.99719362	5904204.143
Tb	159	1	He	83.20746741	13473135.633
Ir	193	1	He	82.20515831	6426159.693

Sample Name	10607799013_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	241SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:36:42
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	9.276935	5.4	5710.370
Be	9	2	H2	0.027606	19.4	19.333
B	11	2	H2	23.875445	11.4	15416.697
Na	23	1	He	15127.17060	0.9	22954240.493
Mg	24	1	He	49496.54698	0.9	41698047.710
Al	27	1	He	8.110163	3.6	3896.417
Si	28	2	H2	5267.395984	6.3	18631914.000
K	39	1	He	1887.418065	0.5	2470288.037
Ca	43	1	He	26396.15479	0.2	101702.607
Ca	44	1	He	26992.70824	0.8	1741607.843
Ti	47	1	He	0.109867	11.3	48.000
V	51	1	He	-0.043136		-1814.833
Cr	52	1	He	0.585325	3.1	7290.823
Mn	55	1	He	57.882470	0.4	512244.273
Fe	56	1	He	284.310487	0.6	3053924.833
Co	59	1	He	0.266594	5.1	4585.267
Ni	60	1	He	0.055880	27.5	918.693
Cu	63	1	He	0.139100	5.9	1734.090
Zn	66	1	He	2.479111	2.6	5622.897
As	75	1	He	0.124344	4.2	437.010
Se	78	2	H2	0.014441	30.0	27.000
Sr	88	1	He	63.700478	0.8	983622.593
Mo	95	1	He	0.128128	10.7	871.693
Pd	105	1	He	0.014053	14.5	166.667
Ag	107	1	He	1.406735	72.2	28395.527
Cd	111	1	He	0.020653	13.2	79.737
Sn	118	1	He	0.616952	5.7	6194.513
Sb	121	1	He	0.221521	4.7	2911.937
Ba	138	1	He	16.556653	1.0	549888.860
Pt	195	1	He	0.011317	25.0	216.673
Hg	202	1	He	0.015660	51.8	163.337
Tl	205	1	He	-0.000476		625.020
Pb	206	1	He	0.061494	9.0	1023.380
Pb	207	1	He	0.048193	31.0	1438.413
Pb	208	1	He	0.055751	6.6	4450.267
Bi	209	1	He	0.007848	40.3	1723.463
Th	232	1	He	0.009375	23.4	670.020
U	238	1	He	0.014931	4.0	1088.383

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.55472112	837223.100
Sc	45	2	H2	76.39467605	5120102.333
Ge	72	1	He	75.14549360	508841.290
Ge	72	2	H2	77.22880449	1400817.373
In	115	1	He	76.61469585	5584746.637
Tb	159	1	He	82.21344575	13312181.467
Ir	193	1	He	79.77448352	6236148.450

Sample Name	10607799013_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	242SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:40:16
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.479471	4.6	354.333
Be	9	2	H2	0.007701	79.8	9.167
B	11	2	H2	0.752984	38.6	2840.267
Na	23	1	He	775.689363	1.1	1216119.123
Mg	24	1	He	2519.894875	1.0	2171848.717
Al	27	1	He	1.728842	4.7	1006.697
Si	28	2	H2	267.157117	5.4	979863.250
K	39	1	He	117.414117	1.3	255152.647
Ca	43	1	He	1327.886150	2.1	5235.450
Ca	44	1	He	1373.525073	1.9	90689.140
Ti	47	1	He	0.015938	18.0	9.333
V	51	1	He	-0.091650		-2339.037
Cr	52	1	He	0.078163	5.7	1388.723
Mn	55	1	He	2.877507	3.3	26741.063
Fe	56	1	He	14.820654	1.2	175865.073
Co	59	1	He	0.014546	3.5	335.333
Ni	60	1	He	-0.125328		173.333
Cu	63	1	He	0.013230	21.7	402.010
Zn	66	1	He	0.159988	9.3	542.010
As	75	1	He	0.022047	56.1	259.000
Se	78	2	H2	0.003882	215.9	18.000
Sr	88	1	He	3.121193	1.2	50736.413
Mo	95	1	He	0.013316	24.5	110.000
Pd	105	1	He	0.004561	68.1	76.667
Ag	107	1	He	1.273802	82.1	26978.277
Cd	111	1	He	0.002282	84.9	11.630
Sn	118	1	He	0.131818	4.4	1501.743
Sb	121	1	He	0.013226	18.8	256.673
Ba	138	1	He	0.838584	0.9	28093.430
Pt	195	1	He	0.004261	32.5	130.000
Hg	202	1	He	0.003838	151.0	90.003
Tl	205	1	He	-0.007855		293.340
Pb	206	1	He	0.005554	41.4	166.667
Pb	207	1	He	0.002022	436.3	851.700
Pb	208	1	He	0.003937	39.9	1323.373
Bi	209	1	He	-0.002011		1260.080
Th	232	1	He	0.002672	43.9	230.003
U	238	1	He	0.001602	21.8	186.667

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	78.22398343	855478.603
Sc	45	2	H2	78.47702100	5259664.667
Ge	72	1	He	76.96133821	521137.127
Ge	72	2	H2	79.62152364	1444217.793
In	115	1	He	80.36858156	5858382.137
Tb	159	1	He	82.55391792	13367311.467
Ir	193	1	He	81.77027185	6392163.653

Sample Name	10607799014_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	243SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:43:51
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.394299	3.6	2050.447
Be	9	2	H2	0.021821	29.5	15.667
B	11	2	H2	12.357168	15.2	8815.597
Na	23	1	He	5905.717926	1.0	8744912.993
Mg	24	1	He	46121.83732	1.4	37881172.770
Al	27	1	He	45.747436	3.2	20541.627
Si	28	2	H2	7209.950337	7.2	24646619.333
K	39	1	He	1036.644774	0.2	1367688.677
Ca	43	1	He	121231.0274	0.7	455326.197
Ca	44	1	He	123354.3358	1.4	7758904.030
Ti	47	1	He	0.694457	14.5	282.670
V	51	1	He	1.414362	4.7	12132.943
Cr	52	1	He	1.357092	4.2	15911.027
Mn	55	1	He	175.864902	0.6	1515785.747
Fe	56	1	He	187.004368	1.5	1962828.873
Co	59	1	He	0.256454	1.3	4271.187
Ni	60	1	He	16.074254	0.6	64975.623
Cu	63	1	He	0.292758	1.2	3261.643
Zn	66	1	He	31.684508	1.9	67502.103
As	75	1	He	5.325264	1.8	9475.843
Se	78	2	H2	0.189234	8.4	179.000
Sr	88	1	He	159.767017	0.9	2421668.037
Mo	95	1	He	23.397373	0.5	150756.443
Pd	105	1	He	0.028176	24.4	300.010
Ag	107	1	He	1.401705	80.5	27620.840
Cd	111	1	He	0.016980	28.4	64.777
Sn	118	1	He	2.378049	2.5	23047.217
Sb	121	1	He	3.484451	0.7	43879.550
Ba	138	1	He	43.436297	1.8	1406712.117
Pt	195	1	He	0.010115	13.9	196.673
Hg	202	1	He	0.010326	94.0	126.667
Tl	205	1	He	0.133019	9.3	6484.717
Pb	206	1	He	0.133384	1.8	2073.490
Pb	207	1	He	0.113099	4.1	2213.507
Pb	208	1	He	0.122896	1.1	8300.880
Bi	209	1	He	-0.000079		1313.423
Th	232	1	He	0.032575	4.9	2173.507
U	238	1	He	12.527251	1.0	837083.163

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.63101953	816184.980
Sc	45	2	H2	73.80170307	4946316.833
Ge	72	1	He	72.70513743	492316.627
Ge	72	2	H2	74.48719903	1351088.667
In	115	1	He	75.21237213	5482525.743
Tb	159	1	He	80.17013934	12981324.810
Ir	193	1	He	78.38519787	6127544.907

Sample Name	10607799014_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	244SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:47:24
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.164964	5.9	154.667
Be	9	2	H2	0.007029	79.0	8.667
B	11	2	H2	0.674281	60.1	2753.590
Na	23	1	He	247.754297	30.9	437190.163
Mg	24	1	He	1914.390280	30.0	1812950.440
Al	27	1	He	2.830732	32.8	1673.747
Si	28	2	H2	328.657923	8.7	1184137.937
K	39	1	He	49.759256	70.0	186157.150
Ca	43	1	He	4899.499549	30.2	21176.710
Ca	44	1	He	4998.607950	30.6	361522.517
Ti	47	1	He	0.032994	99.5	16.667
V	51	1	He	0.132347	66.7	-168.720
Cr	52	1	He	0.102714	44.6	1837.437
Mn	55	1	He	6.948563	29.9	69773.187
Fe	56	1	He	7.992098	34.7	111182.457
Co	59	1	He	0.010892	59.6	292.000
Ni	60	1	He	0.523583	41.9	3199.630
Cu	63	1	He	0.016777	82.5	483.343
Zn	66	1	He	1.314974	33.7	3440.343
As	75	1	He	0.200674	50.3	644.510
Se	78	2	H2	0.013283	43.9	26.333
Sr	88	1	He	6.178220	29.0	110035.080
Mo	95	1	He	0.935295	34.8	6978.137
Pd	105	1	He	0.002898	60.0	66.667
Ag	107	1	He	1.317390	117.5	28396.953
Cd	111	1	He	0.005708	117.5	26.243
Sn	118	1	He	0.195552	28.5	2380.187
Sb	121	1	He	0.138696	34.5	2115.160
Ba	138	1	He	1.746424	30.9	64247.420
Pt	195	1	He	0.003101	72.7	130.000
Hg	202	1	He	0.014432	36.8	186.670
Tl	205	1	He	-0.000376		708.357
Pb	206	1	He	0.006064	45.1	195.000
Pb	207	1	He	-0.002937		898.370
Pb	208	1	He	0.003970	109.8	1491.713
Bi	209	1	He	-0.002096		1436.770
Th	232	1	He	0.004464	21.0	400.010
U	238	1	He	0.491449	30.7	37313.233

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	91.03168081	995547.040
Sc	45	2	H2	77.21445014	5175045.000
Ge	72	1	He	89.99071474	609364.437
Ge	72	2	H2	78.19722632	1418383.127
In	115	1	He	93.10320730	6786659.113
Tb	159	1	He	96.22553289	15581049.350
Ir	193	1	He	94.03322247	7350785.723

Sample Name	10607799015_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	245SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:50:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	10.355343	3.6	5884.420
Be	9	2	H2	0.018695	49.6	13.667
B	11	2	H2	7.555271	5.5	5987.803
Na	23	1	He	12867.24836	1.8	18469409.307
Mg	24	1	He	81066.90656	2.0	64593007.370
Al	27	1	He	11.240899	0.8	5037.023
Si	28	2	H2	288.965341	7.9	953666.520
K	39	1	He	2404.021029	1.2	2949601.100
Ca	43	1	He	244942.1159	1.1	892599.083
Ca	44	1	He	249278.3316	2.2	15211129.890
Ti	47	1	He	0.494258	74.8	194.693
V	51	1	He	0.037815	219.5	-975.750
Cr	52	1	He	0.218607	3.3	2840.237
Mn	55	1	He	4646.483524	1.5	38836693.333
Fe	56	1	He	30471.77146	1.4	308222826.667
Co	59	1	He	0.654879	2.5	10361.667
Ni	60	1	He	0.411042	4.7	2218.817
Cu	63	1	He	0.289023	4.8	3096.277
Zn	66	1	He	2.371397	2.1	5008.050
As	75	1	He	0.226792	1.4	577.677
Se	78	2	H2	0.092986	20.4	92.333
Sr	88	1	He	544.671404	1.8	8042258.007
Mo	95	1	He	0.274687	7.9	1716.770
Pd	105	1	He	0.081728	14.0	796.700
Ag	107	1	He	2.090906	82.1	40127.000
Cd	111	1	He	0.024329	19.3	89.483
Sn	118	1	He	0.063751	17.9	730.027
Sb	121	1	He	0.042555	2.0	593.353
Ba	138	1	He	18.444145	0.5	593114.210
Pt	195	1	He	0.008814	42.3	180.007
Hg	202	1	He	0.013196	13.4	143.333
Tl	205	1	He	-0.002581		513.347
Pb	206	1	He	0.035470	10.6	605.020
Pb	207	1	He	0.024908	37.8	1105.050
Pb	208	1	He	0.034659	4.3	3075.140
Bi	209	1	He	0.002964	160.3	1443.437
Th	232	1	He	0.012341	19.1	840.033
U	238	1	He	0.014616	5.5	1033.377

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.41655488	791966.997
Sc	45	2	H2	70.57215534	4729867.000
Ge	72	1	He	69.87066813	473123.260
Ge	72	2	H2	72.60980099	1317035.417
In	115	1	He	73.27936375	5341621.157
Tb	159	1	He	79.60098481	12889166.060
Ir	193	1	He	77.24387707	6038325.327

Sample Name	10607799015_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	246SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:54:33
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.553680	7.0	389.670
Be	9	2	H2	0.010382	27.0	10.333
B	11	2	H2	-0.182876		2250.180
Na	23	1	He	652.959639	0.7	993226.910
Mg	24	1	He	4176.782212	0.8	3483312.240
Al	27	1	He	1.830094	2.9	1020.363
Si	28	2	H2	16.320448	5.5	67277.823
K	39	1	He	138.131562	0.6	272734.410
Ca	43	1	He	12347.76879	0.4	47067.113
Ca	44	1	He	12758.33518	0.2	814397.033
Ti	47	1	He	0.029692	9.7	14.667
V	51	1	He	0.011744	353.5	-1266.890
Cr	52	1	He	0.030874	17.6	797.353
Mn	55	1	He	239.460767	0.4	2093978.250
Fe	56	1	He	1584.845540	0.4	16778580.667
Co	59	1	He	0.029517	5.3	577.343
Ni	60	1	He	-0.109350		234.000
Cu	63	1	He	0.041239	11.1	687.350
Zn	66	1	He	0.800675	7.2	1926.777
As	75	1	He	-0.021014		174.667
Se	78	2	H2	0.000841	1087.1	14.667
Sr	88	1	He	26.130094	0.4	416592.833
Mo	95	1	He	0.015305	31.4	120.000
Pd	105	1	He	0.008951	48.3	120.000
Ag	107	1	He	1.014186	81.9	21264.377
Cd	111	1	He	0.000606	0.8	4.963
Sn	118	1	He	0.114613	11.1	1303.397
Sb	121	1	He	0.003828	15.7	128.333
Ba	138	1	He	0.943919	2.2	31544.430
Pt	195	1	He	-0.000302		73.333
Hg	202	1	He	0.004914	178.5	96.667
Tl	205	1	He	-0.010423		176.667
Pb	206	1	He	0.008932	39.7	218.337
Pb	207	1	He	-0.002251		795.027
Pb	208	1	He	0.004753	19.8	1370.040
Bi	209	1	He	-0.002508		1233.407
Th	232	1	He	0.001773	69.3	168.333
U	238	1	He	0.000480	43.8	108.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.72953148	828198.603
Sc	45	2	H2	76.26918439	5111691.667
Ge	72	1	He	74.76567242	506269.363
Ge	72	2	H2	77.25275681	1401251.833
In	115	1	He	79.08178108	5764582.187
Tb	159	1	He	82.39550850	13341661.467
Ir	193	1	He	81.67797563	6384948.653

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	247_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 00:58:08
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	-0.055206		32.667
Be	9	2	H2	-0.003607		5.167
B	11	2	H2	-1.050024		3063.653
Na	23	1	He	-3.891166		22352.057
Mg	24	1	He	-1.329282		4567.550
Al	27	1	He	0.642833	71.6	1380.127
Si	28	2	H2	11.242327	46.0	83031.480
K	39	1	He	-55.541613		91635.260
Ca	43	1	He	3.572044	100.8	59.027
Ca	44	1	He	3.793184	107.7	1032.463
Ti	47	1	He	0.360029	155.4	515.923
V	51	1	He	0.136954	10.1	-201.710
Cr	52	1	He	-0.030146		251.333
Mn	55	1	He	0.005300	621.5	2222.840
Fe	56	1	He	-0.232104		31168.473
Co	59	1	He	-0.004255		26.667
Ni	60	1	He	-0.153182		152.667
Cu	63	1	He	-0.012199		292.670
Zn	66	1	He	-0.067305		90.667
As	75	1	He	-0.101438		92.333
Se	78	2	H2	-0.005587		15.667
Sr	88	1	He	0.001823	442.1	578.363
Mo	95	1	He	-0.000968		33.333
Pd	105	1	He	0.003322	60.6	176.673
Ag	107	1	He	0.076973	161.9	5462.533
Cd	111	1	He	-0.000214		4.993
Sn	118	1	He	0.009888	9.6	726.697
Sb	121	1	He	-0.000205		208.333
Ba	138	1	He	0.004669	160.8	740.260
Pt	195	1	He	0.001386	110.3	273.343
Hg	202	1	He	0.021935	47.9	573.357
Tl	205	1	He	-0.011925		305.007
Pb	206	1	He	-0.002251		125.000
Pb	207	1	He	-0.033364		1111.733
Pb	208	1	He	-0.008845		1506.737
Bi	209	1	He	-0.015208		1846.867
Th	232	1	He	0.011190	100.0	2670.363
U	238	1	He	-0.000086		205.003

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	230.2237990	2517789.627
Sc	45	2	H2	132.8244103	8902120.000
Ge	72	1	He	232.8134081	1576476.103
Ge	72	2	H2	137.9102235	2501489.417
In	115	1	He	235.2753676	17150147.287
Tb	159	1	He	247.4104962	40061250.237
Ir	193	1	He	252.6358068	19749101.787

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	248_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:01:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.021079	32.0	65.667
Be	9	2	H2	0.011233	18.9	10.833
B	11	2	H2	-0.611623		2033.480
Na	23	1	He	7.301065	3.2	24349.420
Mg	24	1	He	-2.116884		953.367
Al	27	1	He	0.887072	4.5	588.010
Si	28	2	H2	0.638042	206.5	11963.193
K	39	1	He	19.863936	13.3	124526.227
Ca	43	1	He	1.524307	74.9	13.910
Ca	44	1	He	0.763200	106.4	189.813
Ti	47	1	He	0.010290	24.9	6.667
V	51	1	He	0.044258	259.3	-957.007
Cr	52	1	He	-0.005571		372.007
Mn	55	1	He	-0.022331		537.360
Fe	56	1	He	0.155814	14.6	14960.867
Co	59	1	He	-0.001377		57.333
Ni	60	1	He	-0.141582		100.000
Cu	63	1	He	-0.000716		239.333
Zn	66	1	He	0.011004	101.2	198.667
As	75	1	He	-0.006024		198.833
Se	78	2	H2	0.008654	69.6	22.000
Sr	88	1	He	0.002217	136.2	220.003
Mo	95	1	He	0.004816	56.1	50.000
Pd	105	1	He	0.004041	84.9	70.000
Ag	107	1	He	0.872412	77.0	18492.610
Cd	111	1	He	0.001877	179.8	9.983
Sn	118	1	He	0.023930	28.9	383.343
Sb	121	1	He	0.009229	21.5	198.333
Ba	138	1	He	0.002834	60.8	225.003
Pt	195	1	He	0.006502	74.3	156.670
Hg	202	1	He	0.013933	107.0	150.003
Tl	205	1	He	-0.009371		221.667
Pb	206	1	He	0.000431	251.1	86.667
Pb	207	1	He	0.000988	574.8	830.030
Pb	208	1	He	0.000949	117.8	1130.030
Bi	209	1	He	-0.003677		1170.067
Th	232	1	He	0.003539	72.2	290.003
U	238	1	He	0.001863	67.5	205.003

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.89645525	819087.857
Sc	45	2	H2	76.75493241	5144247.333
Ge	72	1	He	73.77202725	499540.980
Ge	72	2	H2	78.09704366	1416565.960
In	115	1	He	78.58633707	5728467.323
Tb	159	1	He	81.60222114	13213210.637
Ir	193	1	He	81.50563180	6371476.153

Sample Name	10607799016_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	249SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:05:17
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	10.611330	4.4	6596.823
Be	9	2	H2	0.006837	89.5	8.500
B	11	2	H2	17.474810	6.4	12040.777
Na	23	1	He	7279.072223	0.7	11095303.167
Mg	24	1	He	20214.95806	0.5	17097498.497
Al	27	1	He	9.104261	2.3	4366.853
Si	28	2	H2	7172.860708	6.3	25656580.667
K	39	1	He	844.328130	0.2	1166163.447
Ca	43	1	He	45625.67425	0.3	176464.470
Ca	44	1	He	46895.30309	0.9	3037310.407
Ti	47	1	He	0.183384	18.3	78.667
V	51	1	He	0.398188	22.2	2512.717
Cr	52	1	He	0.597016	1.3	7456.887
Mn	55	1	He	0.941650	1.6	9100.990
Fe	56	1	He	15.636717	1.3	181535.380
Co	59	1	He	0.320305	1.4	5475.513
Ni	60	1	He	0.095751	10.5	1080.037
Cu	63	1	He	0.286581	0.5	3294.980
Zn	66	1	He	2.600486	1.2	5870.980
As	75	1	He	0.606986	2.1	1301.383
Se	78	2	H2	0.577622	2.3	541.010
Sr	88	1	He	146.538282	0.2	2314529.237
Mo	95	1	He	0.157339	7.4	1063.377
Pd	105	1	He	0.024279	21.2	273.343
Ag	107	1	He	1.189990	81.8	24712.987
Cd	111	1	He	0.032753	26.5	128.017
Sn	118	1	He	0.050906	21.0	651.690
Sb	121	1	He	0.157099	0.4	2135.157
Ba	138	1	He	9.190436	1.1	305871.863
Pt	195	1	He	0.003227	145.7	116.667
Hg	202	1	He	0.004936	20.7	96.667
Tl	205	1	He	-0.009389		223.333
Pb	206	1	He	0.042917	11.8	740.027
Pb	207	1	He	0.034598	26.1	1266.733
Pb	208	1	He	0.041588	7.0	3600.190
Bi	209	1	He	-0.003215		1200.067
Th	232	1	He	0.005244	17.1	398.343
U	238	1	He	0.261622	2.4	18012.127

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.85017987	840454.317
Sc	45	2	H2	77.22057253	5175455.333
Ge	72	1	He	74.90882468	507238.707
Ge	72	2	H2	77.72207310	1409764.543
In	115	1	He	78.37492653	5713056.777
Tb	159	1	He	82.36569480	13336833.967
Ir	193	1	He	80.44310604	6288416.157

Sample Name	10607799016_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	250SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:08:51
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.525526	3.6	382.333
Be	9	2	H2	0.006408	34.3	8.500
B	11	2	H2	-0.090273		2363.517
Na	23	1	He	378.398350	4.7	586881.307
Mg	24	1	He	1047.767392	4.8	884152.380
Al	27	1	He	1.853404	10.6	1039.697
Si	28	2	H2	365.114288	6.1	1332299.087
K	39	1	He	69.424572	11.1	189227.803
Ca	43	1	He	2343.798224	4.6	9026.117
Ca	44	1	He	2419.315874	5.3	155993.000
Ti	47	1	He	0.027732	5.0	14.000
V	51	1	He	0.038903	145.0	-1026.197
Cr	52	1	He	0.060336	9.9	1148.707
Mn	55	1	He	0.011041	46.9	841.353
Fe	56	1	He	1.409741	8.2	28666.673
Co	59	1	He	0.015108	22.4	335.337
Ni	60	1	He	-0.124987		170.000
Cu	63	1	He	0.064091	6.8	930.030
Zn	66	1	He	0.218739	6.5	655.343
As	75	1	He	0.029702	40.7	266.333
Se	78	2	H2	0.021446	29.0	34.333
Sr	88	1	He	7.255472	4.1	114962.833
Mo	95	1	He	0.008975	24.1	78.333
Pd	105	1	He	0.003041	80.6	60.000
Ag	107	1	He	1.019086	81.2	21578.653
Cd	111	1	He	0.005470	54.7	23.310
Sn	118	1	He	0.107921	10.5	1225.053
Sb	121	1	He	0.009354	10.7	200.000
Ba	138	1	He	0.483364	5.2	15867.553
Pt	195	1	He	-0.000958		63.333
Hg	202	1	He	0.005318	49.2	96.667
Tl	205	1	He	-0.011569		123.333
Pb	206	1	He	0.007793	2.2	196.667
Pb	207	1	He	-0.004243		751.693
Pb	208	1	He	0.004842	43.8	1345.037
Bi	209	1	He	-0.003814		1146.733
Th	232	1	He	0.001447	24.3	143.333
U	238	1	He	0.013160	7.4	968.373

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.54273897	837092.060
Sc	45	2	H2	78.29395099	5247395.000
Ge	72	1	He	74.89078069	507116.523
Ge	72	2	H2	79.58317067	1443522.127
In	115	1	He	78.57886434	5727922.607
Tb	159	1	He	80.73187771	13072282.720
Ir	193	1	He	79.81490444	6239308.243

Sample Name	10607799017_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	251SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:12:25
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	6.339772	4.1	3520.500
Be	9	2	H2	0.010497	59.6	9.333
B	11	2	H2	14.637706	4.8	9292.517
Na	23	1	He	9489.236893	1.4	13586438.550
Mg	24	1	He	85205.41052	1.4	67703298.993
Al	27	1	He	9.555677	3.3	4297.180
Si	28	2	H2	6068.995579	6.2	19285558.000
K	39	1	He	2568.454471	1.9	3135788.077
Ca	43	1	He	238360.9187	1.0	866189.203
Ca	44	1	He	242101.9775	1.4	14732586.877
Ti	47	1	He	0.417754	6.5	165.333
V	51	1	He	2.703714	2.4	23636.133
Cr	52	1	He	0.953723	0.6	10942.657
Mn	55	1	He	2233.093119	0.9	18613777.333
Fe	56	1	He	1008.636132	2.0	10185927.333
Co	59	1	He	2.653884	0.2	41531.560
Ni	60	1	He	69.773329	0.6	267409.283
Cu	63	1	He	0.309773	3.9	3284.980
Zn	66	1	He	56.794134	0.8	115507.077
As	75	1	He	14.805116	0.3	24826.857
Se	78	2	H2	79.505233	1.1	65324.597
Sr	88	1	He	422.502588	0.5	6210910.533
Mo	95	1	He	0.971770	7.1	5999.413
Pd	105	1	He	0.065692	14.3	643.360
Ag	107	1	He	0.164916	24.2	3762.133
Cd	111	1	He	0.163690	12.2	584.883
Sn	118	1	He	0.051220	11.1	610.017
Sb	121	1	He	0.300881	5.2	3740.440
Ba	138	1	He	37.185660	0.7	1172183.030
Pt	195	1	He	0.010541	39.3	196.673
Hg	202	1	He	0.004081	185.9	86.667
Tl	205	1	He	0.014025	12.7	1215.057
Pb	206	1	He	0.029437	33.8	505.017
Pb	207	1	He	0.018218	28.6	1001.710
Pb	208	1	He	0.027103	17.3	2580.107
Bi	209	1	He	0.004178	119.1	1470.103
Th	232	1	He	0.009195	15.1	628.353
U	238	1	He	1.548708	1.4	100691.627

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.21295712	789740.397
Sc	45	2	H2	68.57891086	4596276.333
Ge	72	1	He	69.48031346	470480.007
Ge	72	2	H2	69.97098773	1269171.210
In	115	1	He	72.94676361	5317376.623
Tb	159	1	He	78.03900004	12636246.060
Ir	193	1	He	76.22321930	5958538.243

Sample Name	10607799017_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	252SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:16:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.331794	4.1	252.667
Be	9	2	H2	0.004697	37.9	7.333
B	11	2	H2	-0.057250		2310.193
Na	23	1	He	478.807465	0.9	724623.400
Mg	24	1	He	4327.650225	1.7	3572812.237
Al	27	1	He	1.739891	7.1	969.030
Si	28	2	H2	306.247496	6.5	1082784.980
K	39	1	He	147.483745	2.6	281457.603
Ca	43	1	He	11754.60125	1.8	44357.490
Ca	44	1	He	12133.75946	1.2	766762.047
Ti	47	1	He	0.028539	33.0	14.000
V	51	1	He	0.031677	377.3	-1080.170
Cr	52	1	He	0.057956	9.0	1100.040
Mn	55	1	He	111.720737	2.0	967614.333
Fe	56	1	He	51.378236	1.7	551452.353
Co	59	1	He	0.123370	4.7	2144.137
Ni	60	1	He	3.437152	1.2	14744.710
Cu	63	1	He	0.012843	29.4	384.673
Zn	66	1	He	2.916985	4.1	6513.877
As	75	1	He	0.715661	3.7	1485.397
Se	78	2	H2	3.413646	2.9	3097.940
Sr	88	1	He	19.920705	0.6	313969.880
Mo	95	1	He	0.038277	28.0	270.003
Pd	105	1	He	0.005052	118.4	80.000
Ag	107	1	He	2.304411	86.7	46607.827
Cd	111	1	He	0.012909	63.0	51.587
Sn	118	1	He	0.102413	6.4	1166.720
Sb	121	1	He	0.014402	15.8	265.003
Ba	138	1	He	1.851792	1.1	61428.000
Pt	195	1	He	0.002183	59.6	103.333
Hg	202	1	He	0.002341	74.2	80.000
Tl	205	1	He	-0.010027		193.333
Pb	206	1	He	0.001506	96.1	103.333
Pb	207	1	He	-0.006041		741.690
Pb	208	1	He	0.000408	293.9	1100.027
Bi	209	1	He	-0.002656		1220.067
Th	232	1	He	0.000782	42.4	100.000
U	238	1	He	0.072270	3.4	5054.200

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.97551938	819952.523
Sc	45	2	H2	75.70201748	5073679.167
Ge	72	1	He	74.35477748	503487.023
Ge	72	2	H2	76.94248515	1395623.960
In	115	1	He	78.16162995	5697508.750
Tb	159	1	He	81.94433247	13268606.053
Ir	193	1	He	80.86040582	6321037.407

Sample Name	10607799018_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	253SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:19:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.116879	3.0	2837.217
Be	9	2	H2	0.031279	31.1	19.000
B	11	2	H2	91.935645	5.3	47053.083
Na	23	1	He	11078.19091	0.8	15717105.183
Mg	24	1	He	132658.0151	1.6	104460918.443
Al	27	1	He	65.549295	1.7	28138.237
Si	28	2	H2	5179.776039	5.9	16392132.000
K	39	1	He	2260.720069	1.0	2746879.437
Ca	43	1	He	276608.4692	1.1	996134.833
Ca	44	1	He	281106.8489	2.0	16952461.750
Ti	47	1	He	0.193905	9.7	77.333
V	51	1	He	11.799404	2.3	106623.387
Cr	52	1	He	1.416309	1.2	15900.980
Mn	55	1	He	947.384893	1.5	7826196.333
Fe	56	1	He	4454.064572	1.8	44534664.000
Co	59	1	He	9.329587	1.3	143450.433
Ni	60	1	He	585.166059	2.4	2201570.333
Cu	63	1	He	1.311431	1.3	12941.337
Zn	66	1	He	4007.019856	2.4	8005633.000
As	75	1	He	2.773516	1.7	4733.130
Se	78	2	H2	512.173416	1.8	420244.540
Sr	88	1	He	537.997227	0.5	7771749.677
Mo	95	1	He	1.266571	2.4	7688.440
Pd	105	1	He	0.082093	9.4	783.373
Ag	107	1	He	1.224086	82.9	23106.507
Cd	111	1	He	2.160294	3.8	7557.750
Sn	118	1	He	0.071079	8.8	781.690
Sb	121	1	He	0.374853	1.4	4562.320
Ba	138	1	He	34.756160	0.9	1093421.703
Pt	195	1	He	0.008591	20.5	173.337
Hg	202	1	He	0.010340	50.1	123.333
Tl	205	1	He	1.403446	1.9	60636.090
Pb	206	1	He	0.055993	15.1	890.037
Pb	207	1	He	0.039125	27.1	1253.393
Pb	208	1	He	0.051647	9.2	3981.893
Bi	209	1	He	0.001930	278.9	1366.760
Th	232	1	He	0.008427	19.2	570.017
U	238	1	He	0.430769	2.6	27567.817

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.56021690	782601.853
Sc	45	2	H2	68.31011739	4578261.333
Ge	72	1	He	68.35981198	462892.627
Ge	72	2	H2	69.89283441	1267753.623
In	115	1	He	71.68457812	5225370.957
Tb	159	1	He	77.88264408	12610928.560
Ir	193	1	He	74.89335911	5854580.120

Sample Name	10607799018_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	254SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:23:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.260930	6.2	212.167
Be	9	2	H2	0.000682	394.3	5.333
B	11	2	H2	4.759114	12.7	4967.430
Na	23	1	He	567.657329	1.0	877330.690
Mg	24	1	He	6799.363403	0.1	5748071.790
Al	27	1	He	4.523598	2.0	2267.480
Si	28	2	H2	280.395919	6.2	1002708.730
K	39	1	He	130.165351	0.4	266523.237
Ca	43	1	He	13838.06372	0.2	53484.863
Ca	44	1	He	14354.50218	0.6	929094.943
Ti	47	1	He	0.014702	49.3	8.667
V	51	1	He	0.448865	19.6	3008.313
Cr	52	1	He	0.114158	4.1	1785.427
Mn	55	1	He	48.039152	0.5	426566.593
Fe	56	1	He	232.266771	0.7	2505131.667
Co	59	1	He	0.474003	1.4	8094.493
Ni	60	1	He	30.046389	1.5	125006.250
Cu	63	1	He	0.096140	2.9	1276.717
Zn	66	1	He	206.345986	1.5	453677.010
As	75	1	He	0.150860	10.1	485.010
Se	78	2	H2	22.752564	0.8	20671.653
Sr	88	1	He	25.621752	0.8	411729.577
Mo	95	1	He	0.057215	3.6	400.010
Pd	105	1	He	0.002667	104.7	56.667
Ag	107	1	He	1.042254	85.3	21964.737
Cd	111	1	He	0.105536	10.0	413.223
Sn	118	1	He	0.095453	10.5	1118.380
Sb	121	1	He	0.022267	11.8	375.010
Ba	138	1	He	1.799402	0.2	60705.390
Pt	195	1	He	0.005515	86.1	146.670
Hg	202	1	He	0.004711	133.6	96.667
Tl	205	1	He	0.062689	3.2	3525.420
Pb	206	1	He	0.007380	37.5	196.667
Pb	207	1	He	0.003315	72.9	876.700
Pb	208	1	He	0.006771	13.9	1510.043
Bi	209	1	He	-0.000602		1340.087
Th	232	1	He	0.001143	77.1	126.667
U	238	1	He	0.020457	0.8	1516.760

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	76.78856106	839780.437
Sc	45	2	H2	76.53365339	5129416.833
Ge	72	1	He	75.18967294	509140.447
Ge	72	2	H2	77.34102873	1402852.957
In	115	1	He	79.70549891	5810047.433
Tb	159	1	He	83.34444678	13495315.633
Ir	193	1	He	82.63268393	6459580.320

Sample Name	10607799019_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	255SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:26:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.506043	3.1	3122.427
Be	9	2	H2	0.014003	36.5	11.167
B	11	2	H2	21.232908	7.9	12777.997
Na	23	1	He	11531.62335	1.0	16926414.750
Mg	24	1	He	63819.12440	1.8	51993387.557
Al	27	1	He	15.872012	1.7	7194.070
Si	28	2	H2	6053.320923	5.9	19616680.667
K	39	1	He	3012.778177	0.8	3754587.757
Ca	43	1	He	226930.1856	1.0	845539.820
Ca	44	1	He	229293.7335	1.2	14306795.703
Ti	47	1	He	0.202368	21.6	83.333
V	51	1	He	0.617781	9.3	4493.643
Cr	52	1	He	0.447347	2.6	5491.517
Mn	55	1	He	842.410845	1.5	7199847.167
Fe	56	1	He	169.747234	1.5	1768667.457
Co	59	1	He	1.329721	1.0	21378.643
Ni	60	1	He	131.917689	0.7	517898.770
Cu	63	1	He	0.514663	2.2	5438.843
Zn	66	1	He	445.460660	1.4	927888.960
As	75	1	He	1.092117	3.0	2065.620
Se	78	2	H2	180.823269	1.3	151603.453
Sr	88	1	He	507.040649	0.9	7633744.470
Mo	95	1	He	0.729481	0.3	4623.983
Pd	105	1	He	0.080457	14.4	800.033
Ag	107	1	He	1.393198	79.5	27493.700
Cd	111	1	He	1.234939	1.3	4504.250
Sn	118	1	He	0.100117	15.4	1093.380
Sb	121	1	He	0.226256	5.1	2898.607
Ba	138	1	He	31.565853	0.6	1026372.067
Pt	195	1	He	0.006446	92.4	153.337
Hg	202	1	He	0.006358	80.5	103.333
Tl	205	1	He	0.796832	3.3	35856.857
Pb	206	1	He	0.032803	4.3	571.687
Pb	207	1	He	0.031425	27.4	1198.390
Pb	208	1	He	0.031503	8.7	2921.797
Bi	209	1	He	0.002939	118.6	1460.097
Th	232	1	He	0.005066	27.8	376.677
U	238	1	He	2.170893	2.2	145022.300

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.04340663	809758.687
Sc	45	2	H2	69.92164728	4686268.833
Ge	72	1	He	71.25788591	482516.687
Ge	72	2	H2	71.40326051	1295150.540
In	115	1	He	74.71374258	5446178.673
Tb	159	1	He	80.49357141	13033695.640
Ir	193	1	He	78.32364045	6122732.827

Sample Name	10607799019_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	256SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:30:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.289060	4.1	231.167
Be	9	2	H2	0.002160	215.8	6.167
B	11	2	H2	-0.054044		2350.193
Na	23	1	He	590.950563	1.5	897425.300
Mg	24	1	He	3281.455005	2.7	2728645.377
Al	27	1	He	2.128529	4.0	1151.373
Si	28	2	H2	325.700148	6.4	1172647.080
K	39	1	He	175.146011	1.7	317689.037
Ca	43	1	He	11415.14824	1.0	43378.863
Ca	44	1	He	11742.28123	1.4	747240.070
Ti	47	1	He	0.031365	58.3	15.333
V	51	1	He	0.015323	103.3	-1228.147
Cr	52	1	He	0.053381	13.7	1054.703
Mn	55	1	He	42.758158	1.6	373349.230
Fe	56	1	He	9.150508	1.6	109939.123
Co	59	1	He	0.067338	5.8	1211.380
Ni	60	1	He	6.695066	0.2	28190.017
Cu	63	1	He	0.039680	14.0	670.013
Zn	66	1	He	23.466696	0.8	51389.227
As	75	1	He	0.071443	17.3	339.667
Se	78	2	H2	8.437873	0.4	7760.030
Sr	88	1	He	24.703837	0.1	391231.870
Mo	95	1	He	0.030172	22.6	218.337
Pd	105	1	He	0.005058	51.3	80.000
Ag	107	1	He	1.340070	83.9	27680.337
Cd	111	1	He	0.063637	11.6	246.603
Sn	118	1	He	0.107199	10.2	1220.060
Sb	121	1	He	0.008340	27.3	186.667
Ba	138	1	He	1.586231	1.8	52536.637
Pt	195	1	He	0.001376	180.2	93.333
Hg	202	1	He	0.013097	37.2	146.670
Tl	205	1	He	0.030020	8.1	1991.813
Pb	206	1	He	0.006959	36.2	186.667
Pb	207	1	He	-0.004027		766.693
Pb	208	1	He	0.004775	10.4	1361.703
Bi	209	1	He	-0.001556		1270.073
Th	232	1	He	0.000558	114.1	85.000
U	238	1	He	0.101637	3.9	7101.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	75.49964872	825684.543
Sc	45	2	H2	77.17207333	5172204.833
Ge	72	1	He	74.66212586	505568.207
Ge	72	2	H2	78.19782578	1418394.000
In	115	1	He	78.55258580	5726007.060
Tb	159	1	He	81.79575286	13244547.717
Ir	193	1	He	81.09812612	6339620.530

Sample Name	10607799020_B70202Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	257SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:33:54
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.090143	2.2	2226.630
Be	9	2	H2	0.009045	85.6	8.333
B	11	2	H2	3.166541	29.6	3590.420
Na	23	1	He	9684.046397	2.2	13408070.633
Mg	24	1	He	61543.56506	2.3	47290524.293
Al	27	1	He	7.887511	3.2	3461.330
Si	28	2	H2	50.953007	5.0	166215.010
K	39	1	He	1621.682866	1.8	1949211.010
Ca	43	1	He	261350.6955	1.8	918447.537
Ca	44	1	He	265644.1973	2.2	15632419.563
Ti	47	1	He	0.164007	42.2	64.000
V	51	1	He	0.095567	83.3	-418.810
Cr	52	1	He	0.535776	2.8	6121.733
Mn	55	1	He	7678.208160	1.9	61890345.333
Fe	56	1	He	34217.50867	2.5	333756650.667
Co	59	1	He	0.169840	5.7	2637.537
Ni	60	1	He	0.294050	5.2	1700.753
Cu	63	1	He	0.144050	6.8	1596.077
Zn	66	1	He	1.947468	3.1	3982.460
As	75	1	He	0.343404	8.5	742.517
Se	78	2	H2	0.130264	6.9	117.667
Sr	88	1	He	819.402368	1.3	11801418.570
Mo	95	1	He	0.158761	7.7	961.703
Pd	105	1	He	0.110929	9.0	1046.717
Ag	107	1	He	1.661360	87.7	31180.940
Cd	111	1	He	0.018393	37.7	66.377
Sn	118	1	He	0.056227	4.4	643.353
Sb	121	1	He	0.098109	8.2	1241.720
Ba	138	1	He	33.821732	1.5	1054388.423
Pt	195	1	He	0.009290	23.2	180.003
Hg	202	1	He	0.003694	96.3	83.333
Tl	205	1	He	-0.002692		493.347
Pb	206	1	He	0.034144	24.0	566.680
Pb	207	1	He	0.022083	61.5	1038.383
Pb	208	1	He	0.032074	2.8	2835.127
Bi	209	1	He	0.003440	162.7	1420.097
Th	232	1	He	0.007006	22.7	483.347
U	238	1	He	0.011460	14.2	805.030

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.84109207	763801.040
Sc	45	2	H2	66.83028859	4479080.667
Ge	72	1	He	67.15803010	454754.863
Ge	72	2	H2	68.76051235	1247214.960
In	115	1	He	71.47684232	5210228.277
Tb	159	1	He	77.18355061	12497729.813
Ir	193	1	He	75.30813774	5887004.287

Sample Name	10607799020_B70202Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	258SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:37:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.199955	11.7	166.833
Be	9	2	H2	0.002586	149.7	6.000
B	11	2	H2	-1.051272		1703.450
Na	23	1	He	489.945560	0.7	719432.413
Mg	24	1	He	3179.028960	1.5	2548204.910
Al	27	1	He	2.145902	3.6	1117.370
Si	28	2	H2	2.789503	5.6	18733.253
K	39	1	He	99.309395	3.1	215773.273
Ca	43	1	He	13221.76049	1.0	48428.013
Ca	44	1	He	13660.76146	1.0	837920.953
Ti	47	1	He	0.406872	165.0	163.430
V	51	1	He	0.042402	154.2	-932.170
Cr	52	1	He	0.065752	2.8	1154.040
Mn	55	1	He	401.241134	1.1	3371072.667
Fe	56	1	He	1795.733039	1.4	18266277.333
Co	59	1	He	0.006984	1.9	191.333
Ni	60	1	He	-0.109043		226.667
Cu	63	1	He	0.048214	6.0	733.353
Zn	66	1	He	0.306673	2.6	816.020
As	75	1	He	-0.013985		180.333
Se	78	2	H2	0.005746	159.7	18.333
Sr	88	1	He	39.837058	0.6	620398.490
Mo	95	1	He	0.010231	23.2	83.333
Pd	105	1	He	0.007221	49.2	100.000
Ag	107	1	He	1.180413	80.9	24148.287
Cd	111	1	He	0.002852	27.2	13.310
Sn	118	1	He	0.109537	3.8	1223.393
Sb	121	1	He	0.005995	21.5	153.333
Ba	138	1	He	1.691311	0.9	55340.297
Pt	195	1	He	-0.000999		63.333
Hg	202	1	He	0.003045	110.7	83.333
Tl	205	1	He	-0.009671		206.667
Pb	206	1	He	0.006007	52.9	170.000
Pb	207	1	He	-0.008201		705.023
Pb	208	1	He	0.001713	121.6	1163.367
Bi	209	1	He	-0.004302		1126.737
Th	232	1	He	0.001240	54.8	130.000
U	238	1	He	0.000724	24.9	123.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.77265801	795861.437
Sc	45	2	H2	73.11159094	4900064.333
Ge	72	1	He	72.01684845	487655.937
Ge	72	2	H2	73.71984543	1337169.997
In	115	1	He	77.26044798	5631818.050
Tb	159	1	He	80.82309438	13087052.723
Ir	193	1	He	80.36458019	6282277.617

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	259_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:41:06
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	75.584116	4.9	45508.040
Be	9	2	H2	75.117539	5.1	38533.627
B	11	2	H2	72.610861	5.4	41459.877
Na	23	1	He	2025.162037	1.3	2920447.870
Mg	24	1	He	1997.356853	1.8	1595252.787
Al	27	1	He	1926.794071	1.2	832369.063
Si	28	2	H2	960.706484	5.9	3358130.667
K	39	1	He	2034.631861	1.6	2513287.410
Ca	43	1	He	1938.392853	0.7	7078.370
Ca	44	1	He	1971.924172	2.1	120555.943
Ti	47	1	He	76.445661	0.9	29935.210
V	51	1	He	80.354578	0.5	743105.917
Cr	52	1	He	81.302500	1.3	900626.667
Mn	55	1	He	82.651924	0.7	692170.400
Fe	56	1	He	1021.342587	1.8	10351024.333
Co	59	1	He	81.210080	0.9	1331621.043
Ni	60	1	He	81.597165	0.3	328169.207
Cu	63	1	He	83.608031	0.9	864974.250
Zn	66	1	He	80.134521	0.8	170999.597
As	75	1	He	77.837952	0.8	136126.947
Se	78	2	H2	77.832882	1.1	70025.240
Sr	88	1	He	74.517116	0.4	1129156.470
Mo	95	1	He	81.392457	0.9	526002.597
Pd	105	1	He	77.324902	1.0	747765.953
Ag	107	1	He	40.071761	5.4	773372.800
Cd	111	1	He	77.004178	0.3	282502.260
Sn	118	1	He	76.558304	0.5	737505.170
Sb	121	1	He	74.016604	0.7	930292.150
Ba	138	1	He	77.724466	0.7	2519094.443
Pt	195	1	He	77.593106	0.9	935901.447
Hg	202	1	He	3.560749	1.9	21721.643
Tl	205	1	He	39.609245	0.8	1745861.693
Pb	206	1	He	79.276719	0.4	1186512.690
Pb	207	1	He	82.666515	0.5	1033798.160
Pb	208	1	He	81.091568	0.8	4787081.853
Bi	209	1	He	83.420757	0.8	3875368.797
Th	232	1	He	77.123921	0.5	5137768.987
U	238	1	He	75.203772	0.9	5124237.633

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.48420835	792706.873
Sc	45	2	H2	75.33642951	5049176.833
Ge	72	1	He	72.94030887	493909.070
Ge	72	2	H2	76.63341223	1390017.830
In	115	1	He	75.18413942	5480467.750
Tb	159	1	He	80.24357222	12993215.223
Ir	193	1	He	79.93923996	6249027.827

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	260_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:44:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.021083	87.3	62.833
Be	9	2	H2	0.022648	32.3	16.167
B	11	2	H2	-0.823643		1840.133
Na	23	1	He	5.301265	9.0	20821.813
Mg	24	1	He	-2.100578		943.370
Al	27	1	He	0.991836	8.2	618.343
Si	28	2	H2	-0.064629		9143.723
K	39	1	He	27.564652	1.9	130472.347
Ca	43	1	He	1.883335	38.6	14.817
Ca	44	1	He	2.001998	43.1	261.630
Ti	47	1	He	0.000583	1001.7	2.667
V	51	1	He	0.007373	406.1	-1261.920
Cr	52	1	He	0.000078	7761.9	424.677
Mn	55	1	He	0.023602	29.4	908.693
Fe	56	1	He	0.410606	2.6	17162.143
Co	59	1	He	0.001711	82.5	106.000
Ni	60	1	He	-0.137141		115.333
Cu	63	1	He	0.006821	15.1	310.667
Zn	66	1	He	0.024812	26.1	222.667
As	75	1	He	-0.002462		200.167
Se	78	2	H2	0.022115	35.2	33.000
Sr	88	1	He	0.008800	21.7	315.010
Mo	95	1	He	0.032157	31.6	223.337
Pd	105	1	He	0.010748	70.3	133.337
Ag	107	1	He	1.316051	67.7	26447.067
Cd	111	1	He	0.005097	83.5	21.600
Sn	118	1	He	0.016457	37.4	298.337
Sb	121	1	He	0.012413	43.0	233.337
Ba	138	1	He	0.005953	17.8	316.677
Pt	195	1	He	0.005848	9.0	143.333
Hg	202	1	He	0.017282	39.7	166.670
Tl	205	1	He	0.043812	23.8	2525.233
Pb	206	1	He	0.006140	26.8	168.333
Pb	207	1	He	-0.001693		770.023
Pb	208	1	He	0.003490	49.3	1241.700
Bi	209	1	He	0.004696	49.3	1513.433
Th	232	1	He	0.010089	12.4	711.690
U	238	1	He	0.005794	13.3	463.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.91272709	797393.270
Sc	45	2	H2	73.60107159	4932870.167
Ge	72	1	He	72.02472814	487709.293
Ge	72	2	H2	74.86664900	1357971.333
In	115	1	He	76.38564968	5568050.560
Tb	159	1	He	79.05893434	12801396.060
Ir	193	1	He	79.14487737	6186930.740

Sample Name	4322449_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	261SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:48:15
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.036379	25.0	72.000
Be	9	2	H2	0.035855	28.2	22.667
B	11	2	H2	-0.724053		1883.467
Na	23	1	He	12.683108	1.6	31783.967
Mg	24	1	He	1.299545	13.7	3707.077
Al	27	1	He	5.565869	2.1	2630.527
Si	28	2	H2	2.051031	32.6	16367.923
K	39	1	He	25.066709	5.5	128708.393
Ca	43	1	He	12.399128	16.7	53.877
Ca	44	1	He	13.133691	26.5	953.980
Ti	47	1	He	0.097836	20.0	41.333
V	51	1	He	0.093500	8.5	-462.097
Cr	52	1	He	0.271308	3.0	3479.013
Mn	55	1	He	0.102039	6.3	1583.410
Fe	56	1	He	3.662691	1.5	50767.523
Co	59	1	He	0.021298	8.1	425.343
Ni	60	1	He	-0.103656		249.333
Cu	63	1	He	0.058412	2.2	842.020
Zn	66	1	He	0.859865	5.0	1990.783
As	75	1	He	-0.010081		188.000
Se	78	2	H2	0.009719	129.0	22.000
Sr	88	1	He	0.039462	9.5	795.027
Mo	95	1	He	0.023950	28.5	171.667
Pd	105	1	He	0.002212	199.4	50.000
Ag	107	1	He	1.163466	79.4	23691.997
Cd	111	1	He	0.020167	32.4	78.283
Sn	118	1	He	0.040025	20.4	535.017
Sb	121	1	He	0.003792	77.6	125.000
Ba	138	1	He	0.042224	10.6	1481.747
Pt	195	1	He	0.006338	71.9	150.003
Hg	202	1	He	0.009995	56.2	123.333
Tl	205	1	He	0.013141	10.1	1196.723
Pb	206	1	He	0.028856	5.6	505.010
Pb	207	1	He	0.027595	39.8	1135.057
Pb	208	1	He	0.027289	5.7	2635.110
Bi	209	1	He	0.021782	22.8	2303.557
Th	232	1	He	0.014297	9.0	995.043
U	238	1	He	0.005657	7.4	456.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	73.61165522	805036.937
Sc	45	2	H2	73.48112042	4924830.833
Ge	72	1	He	72.40165234	490261.603
Ge	72	2	H2	74.71588563	1355236.707
In	115	1	He	77.14015868	5623049.690
Tb	159	1	He	79.36893920	12851592.727
Ir	193	1	He	79.60846384	6223170.323

Sample Name	4322450_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	262SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:51:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	102.181140	5.0	59225.033
Be	9	2	H2	102.642211	4.6	50698.337
B	11	2	H2	100.526328	5.2	54402.873
Na	23	1	He	2169.002614	1.4	3133328.390
Mg	24	1	He	2144.697105	1.2	1716417.317
Al	27	1	He	2096.537419	0.5	907547.083
Si	28	2	H2	521.181774	4.3	1757903.750
K	39	1	He	2224.486349	1.3	2744398.813
Ca	43	1	He	2118.953813	1.2	7751.720
Ca	44	1	He	2115.933555	0.4	129635.067
Ti	47	1	He	101.480427	1.2	39817.923
V	51	1	He	108.664392	0.7	1007334.490
Cr	52	1	He	109.497950	0.2	1215333.083
Mn	55	1	He	108.920118	0.5	913723.750
Fe	56	1	He	2192.864350	0.9	22257122.000
Co	59	1	He	110.924190	1.3	1820254.623
Ni	60	1	He	110.186191	0.5	443218.147
Cu	63	1	He	110.963213	0.3	1148785.750
Zn	66	1	He	108.430983	0.8	231498.803
As	75	1	He	105.229277	0.2	184101.540
Se	78	2	H2	103.332283	1.0	89949.770
Sr	88	1	He	101.862912	0.3	1539604.610
Mo	95	1	He	107.498731	0.6	695249.753
Pd	105	1	He	20.573300	0.7	198478.220
Ag	107	1	He	48.406325	4.8	931132.877
Cd	111	1	He	103.098344	1.0	377270.707
Sn	118	1	He	100.885609	0.6	969427.277
Sb	121	1	He	99.207840	0.2	1243713.680
Ba	138	1	He	106.704807	0.4	3384126.300
Pt	195	1	He	20.674688	0.3	244063.463
Hg	202	1	He	0.026413	10.9	220.010
Tl	205	1	He	109.479731	1.1	4721276.803
Pb	206	1	He	110.330320	0.6	1615831.747
Pb	207	1	He	109.475953	0.6	1339435.867
Pb	208	1	He	109.816747	0.4	6343779.333
Bi	209	1	He	112.076529	0.4	5094750.130
Th	232	1	He	109.510919	1.1	7085948.437
U	238	1	He	103.695908	0.9	6862997.813

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.61970580	794188.710
Sc	45	2	H2	72.51455560	4860050.000
Ge	72	1	He	72.98799856	494231.997
Ge	72	2	H2	74.14230495	1344832.793
In	115	1	He	74.99625054	5466771.790
Tb	159	1	He	78.51863884	12713910.227
Ir	193	1	He	77.64215099	6069459.283

Sample Name	10607799001_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	263SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:55:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.955708	8.0	1810.590
Be	9	2	H2	0.039027	17.4	24.667
B	11	2	H2	7.282744	11.4	6181.147
Na	23	1	He	5835.288468	1.7	8459059.873
Mg	24	1	He	6865.050954	2.0	5521981.377
Al	27	1	He	35.583938	1.4	15682.640
Si	28	2	H2	6537.838284	7.8	22557130.000
K	39	1	He	542.285741	0.7	747096.500
Ca	43	1	He	47701.08452	1.2	175407.710
Ca	44	1	He	48566.17738	2.0	2990558.060
Ti	47	1	He	0.553408	40.9	221.343
V	51	1	He	0.483763	10.0	3188.307
Cr	52	1	He	3.192400	1.6	36062.340
Mn	55	1	He	9.470946	1.7	80587.333
Fe	56	1	He	43.019207	1.5	452071.020
Co	59	1	He	0.047521	1.4	841.353
Ni	60	1	He	-0.013235		602.010
Cu	63	1	He	0.134445	1.5	1602.077
Zn	66	1	He	0.916263	2.3	2083.460
As	75	1	He	0.319125	5.1	748.853
Se	78	2	H2	0.303497	3.3	279.000
Sr	88	1	He	95.223939	1.6	1468920.657
Mo	95	1	He	0.726458	4.9	4617.317
Pd	105	1	He	0.012066	57.8	146.670
Ag	107	1	He	2.612760	75.2	52109.033
Cd	111	1	He	0.016351	0.5	63.613
Sn	118	1	He	0.094713	13.9	1066.707
Sb	121	1	He	0.041271	17.8	603.347
Ba	138	1	He	1.982852	1.0	64062.487
Pt	195	1	He	0.009346	86.3	186.670
Hg	202	1	He	0.003801	136.2	86.667
Tl	205	1	He	0.035365	1.0	2178.503
Pb	206	1	He	0.053684	15.5	878.367
Pb	207	1	He	0.047983	1.2	1395.077
Pb	208	1	He	0.052804	2.9	4150.240
Bi	209	1	He	0.009798	38.7	1763.467
Th	232	1	He	0.037238	7.8	2470.227
U	238	1	He	0.589348	1.8	39296.103

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	73.07026679	799116.167
Sc	45	2	H2	74.55506834	4996808.667
Ge	72	1	He	71.48421922	484049.283
Ge	72	2	H2	74.54476983	1352132.917
In	115	1	He	76.54527370	5579686.183
Tb	159	1	He	79.83748984	12927461.473
Ir	193	1	He	78.08727929	6104255.950

Sample Name	4323801_B70203Dx5
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	264SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 01:58:56
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.642798	5.3	428.007
Be	9	2	H2	0.016456	15.4	13.000
B	11	2	H2	0.901133	35.1	2743.583
Na	23	1	He	1191.865085	1.8	1749984.190
Mg	24	1	He	1390.846792	1.8	1128409.020
Al	27	1	He	8.408967	4.0	3874.413
Si	28	2	H2	1369.322685	5.4	4673089.167
K	39	1	He	127.368568	2.9	251932.717
Ca	43	1	He	9682.675868	1.9	35850.677
Ca	44	1	He	9956.765944	1.3	617386.250
Ti	47	1	He	0.076014	45.1	32.667
V	51	1	He	0.080441	25.8	-582.937
Cr	52	1	He	0.652421	3.0	7760.350
Mn	55	1	He	1.906547	0.9	16905.240
Fe	56	1	He	9.272679	1.8	108373.023
Co	59	1	He	0.007584	17.5	202.667
Ni	60	1	He	-0.116381		199.333
Cu	63	1	He	0.030236	6.6	554.677
Zn	66	1	He	0.250115	10.3	702.683
As	75	1	He	0.052665	19.9	297.833
Se	78	2	H2	0.056125	24.3	62.333
Sr	88	1	He	18.833021	0.7	293311.637
Mo	95	1	He	0.146771	8.5	963.373
Pd	105	1	He	0.006546	78.9	93.333
Ag	107	1	He	1.331777	76.1	27156.923
Cd	111	1	He	0.001882	184.4	9.710
Sn	118	1	He	0.103056	8.4	1158.387
Sb	121	1	He	0.005990	14.5	153.333
Ba	138	1	He	0.395325	2.1	12849.993
Pt	195	1	He	0.001004	260.5	86.667
Hg	202	1	He	0.008280	78.4	113.333
Tl	205	1	He	-0.002021		538.343
Pb	206	1	He	0.007867	21.0	195.000
Pb	207	1	He	0.004239	203.1	848.367
Pb	208	1	He	0.008717	12.4	1556.717
Bi	209	1	He	-0.000873		1266.743
Th	232	1	He	0.009604	19.0	676.690
U	238	1	He	0.119395	2.3	8083.817

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	73.56694345	804547.957
Sc	45	2	H2	73.58579047	4931846.000
Ge	72	1	He	72.64269995	491893.837
Ge	72	2	H2	74.46683024	1350719.207
In	115	1	He	77.24154782	5630440.343
Tb	159	1	He	79.66658471	12899788.140
Ir	193	1	He	78.72781481	6154328.033

Sample Name	4322451_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	265SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:02:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	92.842312	4.6	53593.873
Be	9	2	H2	91.862916	4.6	45186.710
B	11	2	H2	95.446159	4.4	51548.253
Na	23	1	He	7469.732163	2.2	10642858.173
Mg	24	1	He	8360.815702	2.4	6611574.487
Al	27	1	He	1966.995577	2.0	842314.500
Si	28	2	H2	6557.909909	6.3	21930239.333
K	39	1	He	2538.558154	2.4	3084520.370
Ca	43	1	He	46677.43100	2.4	168752.313
Ca	44	1	He	47119.56329	2.6	2852721.393
Ti	47	1	He	94.368775	2.7	36628.000
V	51	1	He	102.445595	2.8	939304.260
Cr	52	1	He	104.433409	2.0	1146646.123
Mn	55	1	He	108.233824	1.9	898200.063
Fe	56	1	He	2046.564373	2.7	20548416.000
Co	59	1	He	101.282856	2.0	1628367.543
Ni	60	1	He	99.777850	1.2	393293.283
Cu	63	1	He	100.446119	1.5	1018853.163
Zn	66	1	He	99.195673	1.5	207510.370
As	75	1	He	98.699304	1.5	169191.203
Se	78	2	H2	92.809938	0.9	79502.413
Sr	88	1	He	186.185089	1.7	2744780.377
Mo	95	1	He	102.208840	1.2	647682.007
Pd	105	1	He	18.906390	1.0	177914.080
Ag	107	1	He	46.370757	6.8	870060.143
Cd	111	1	He	95.733587	0.8	341711.747
Sn	118	1	He	95.119183	0.8	891543.553
Sb	121	1	He	92.880590	0.8	1135769.487
Ba	138	1	He	98.874126	2.1	3119236.513
Pt	195	1	He	18.782261	1.7	220569.690
Hg	202	1	He	0.013626	110.7	143.337
Tl	205	1	He	100.263881	2.0	4301103.477
Pb	206	1	He	99.455088	2.0	1448880.133
Pb	207	1	He	99.094812	0.2	1206166.570
Pb	208	1	He	99.089287	1.3	5694071.137
Bi	209	1	He	101.607604	1.5	4594689.723
Th	232	1	He	102.099919	2.8	6510524.697
U	238	1	He	96.917863	2.8	6321143.657

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.84926640	785762.977
Sc	45	2	H2	72.23261465	4841153.833
Ge	72	1	He	71.51442856	484253.843
Ge	72	2	H2	72.96123051	1323409.833
In	115	1	He	73.15178835	5332321.683
Tb	159	1	He	78.10811502	12647437.310
Ir	193	1	He	76.52924767	5982461.160

Sample Name	4322452_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	266SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:06:04
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	102.043800	4.5	58458.407
Be	9	2	H2	101.543172	4.6	49575.197
B	11	2	H2	107.259621	4.8	57224.707
Na	23	1	He	7809.900901	1.1	11178584.830
Mg	24	1	He	8741.371531	1.3	6944526.353
Al	27	1	He	2111.782390	1.2	908485.850
Si	28	2	H2	6991.213765	6.7	23205426.667
K	39	1	He	2686.873821	0.6	3274387.450
Ca	43	1	He	48951.31872	1.2	177796.203
Ca	44	1	He	49033.79955	0.9	2982466.287
Ti	47	1	He	101.671276	0.9	39646.257
V	51	1	He	110.113153	2.1	1014433.890
Cr	52	1	He	112.307015	1.4	1238774.337
Mn	55	1	He	116.580351	0.6	971900.523
Fe	56	1	He	2205.058268	1.0	22242507.333
Co	59	1	He	107.727369	1.7	1749339.420
Ni	60	1	He	106.720674	1.1	424830.457
Cu	63	1	He	106.846770	1.0	1094655.960
Zn	66	1	He	105.489589	1.2	222880.100
As	75	1	He	104.963831	1.1	181723.340
Se	78	2	H2	101.862461	1.7	86968.733
Sr	88	1	He	193.540163	0.3	2895952.040
Mo	95	1	He	109.694755	0.9	702077.620
Pd	105	1	He	20.105527	1.9	192015.460
Ag	107	1	He	47.726050	5.0	908752.123
Cd	111	1	He	101.185035	0.4	366604.643
Sn	118	1	He	101.120119	1.7	961913.293
Sb	121	1	He	99.289935	2.1	1232220.063
Ba	138	1	He	105.759604	1.3	3323827.243
Pt	195	1	He	20.493657	1.6	239739.097
Hg	202	1	He	0.019975	39.0	180.003
Tl	205	1	He	108.111679	1.4	4620070.557
Pb	206	1	He	108.013237	1.0	1567613.207
Pb	207	1	He	107.607821	1.5	1304685.240
Pb	208	1	He	107.486589	1.0	6153129.647
Bi	209	1	He	108.573954	0.7	4891127.533
Th	232	1	He	108.354545	0.6	6932893.650
U	238	1	He	103.739902	0.5	6789396.567

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.17202665	789292.770
Sc	45	2	H2	71.67918706	4804062.167
Ge	72	1	He	72.23115768	489107.113
Ge	72	2	H2	72.72057583	1319044.710
In	115	1	He	74.25035538	5412400.557
Tb	159	1	He	77.81388420	12599794.810
Ir	193	1	He	76.77695131	6001824.703

Sample Name	10607799001_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	267SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:09:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.165622	7.6	148.333
Be	9	2	H2	0.051866	14.8	30.833
B	11	2	H2	-0.193120		2173.517
Na	23	1	He	296.946745	1.0	443168.783
Mg	24	1	He	347.345182	1.5	282018.647
Al	27	1	He	3.391012	1.1	1664.747
Si	28	2	H2	335.216856	5.2	1153096.877
K	39	1	He	50.743090	2.4	158560.937
Ca	43	1	He	2413.012783	0.1	8884.010
Ca	44	1	He	2474.265949	0.6	152553.657
Ti	47	1	He	0.068041	50.4	29.333
V	51	1	He	0.040690	217.8	-952.817
Cr	52	1	He	0.185143	7.5	2492.847
Mn	55	1	He	0.431448	2.9	4351.873
Fe	56	1	He	2.735681	1.3	40944.130
Co	59	1	He	0.009134	14.6	228.000
Ni	60	1	He	-0.125023		164.667
Cu	63	1	He	0.023863	15.9	488.677
Zn	66	1	He	0.056302	12.4	291.333
As	75	1	He	0.015382	31.8	232.833
Se	78	2	H2	0.042976	14.3	51.000
Sr	88	1	He	4.583901	2.8	71362.287
Mo	95	1	He	0.095881	15.0	635.020
Pd	105	1	He	0.006223	80.9	90.000
Ag	107	1	He	1.720233	71.4	34716.343
Cd	111	1	He	0.008587	107.6	34.810
Sn	118	1	He	0.125905	3.1	1381.733
Sb	121	1	He	0.009517	8.7	198.333
Ba	138	1	He	0.102648	1.9	3423.713
Pt	195	1	He	0.004382	95.9	126.667
Hg	202	1	He	0.005484	122.0	96.667
Tl	205	1	He	0.032971	12.1	2065.153
Pb	206	1	He	0.016421	24.8	321.677
Pb	207	1	He	0.006579	94.0	876.700
Pb	208	1	He	0.012607	9.8	1781.727
Bi	209	1	He	0.007618	41.7	1656.797
Th	232	1	He	0.020929	26.4	1418.420
U	238	1	He	0.037605	8.2	2593.580

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	73.09298935	799364.667
Sc	45	2	H2	73.73559266	4941886.000
Ge	72	1	He	72.60868540	491663.510
Ge	72	2	H2	74.42678437	1349992.833
In	115	1	He	77.06116830	5617291.770
Tb	159	1	He	79.51132497	12874648.143
Ir	193	1	He	78.68689021	6151128.867

Sample Name	4323801_B70203Dx100
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	268SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:13:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.052643	8.7	79.833
Be	9	2	H2	0.018327	20.2	13.667
B	11	2	H2	-0.544701		1940.137
Na	23	1	He	65.807268	1.8	106579.810
Mg	24	1	He	70.171314	2.7	58035.537
Al	27	1	He	5.291805	2.7	2449.167
Si	28	2	H2	69.101733	6.3	239428.483
K	39	1	He	30.375591	6.1	131808.790
Ca	43	1	He	487.880826	1.7	1770.950
Ca	44	1	He	506.242284	1.2	30774.427
Ti	47	1	He	0.014434	94.0	8.000
V	51	1	He	0.030741	307.3	-1028.307
Cr	52	1	He	0.065554	2.2	1136.707
Mn	55	1	He	0.064898	15.2	1236.713
Fe	56	1	He	1.357884	2.5	26404.560
Co	59	1	He	0.003377	28.0	130.667
Ni	60	1	He	-0.130655		138.667
Cu	63	1	He	0.026698	12.0	504.677
Zn	66	1	He	0.083562	58.5	340.673
As	75	1	He	-0.007211		188.667
Se	78	2	H2	0.017161	47.3	27.667
Sr	88	1	He	0.950768	1.4	14602.837
Mo	95	1	He	0.026142	17.3	181.667
Pd	105	1	He	0.005062	23.5	76.667
Ag	107	1	He	1.468212	75.7	29036.547
Cd	111	1	He	0.004289	91.3	18.277
Sn	118	1	He	0.113629	12.0	1231.723
Sb	121	1	He	0.006171	69.4	151.667
Ba	138	1	He	0.029192	15.7	1048.373
Pt	195	1	He	0.001702	52.5	93.333
Hg	202	1	He	0.007998	77.8	110.000
Tl	205	1	He	0.002925	80.2	741.690
Pb	206	1	He	0.011034	18.7	238.333
Pb	207	1	He	0.001406	741.2	800.030
Pb	208	1	He	0.008323	24.1	1508.373
Bi	209	1	He	-0.000382		1270.077
Th	232	1	He	0.006997	20.9	500.013
U	238	1	He	0.009455	9.1	700.027

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.81068316	785341.020
Sc	45	2	H2	72.03917237	4828189.000
Ge	72	1	He	70.77605995	479254.043
Ge	72	2	H2	72.54896844	1315932.003
In	115	1	He	75.29325573	5488421.667
Tb	159	1	He	78.36886268	12689658.143
Ir	193	1	He	77.95268864	6093734.700

Sample Name	10607799002_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	269SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:16:44
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.014422	3.3	1191.203
Be	9	2	H2	0.063242	21.8	35.167
B	11	2	H2	5.332969	12.1	4904.087
Na	23	1	He	7087.714810	0.4	10115166.933
Mg	24	1	He	6814.850671	0.4	5398134.710
Al	27	1	He	501.889568	0.8	215396.153
Si	28	2	H2	4559.232976	7.1	15010903.667
K	39	1	He	821.310866	0.1	1064660.610
Ca	43	1	He	24452.75911	0.2	88548.147
Ca	44	1	He	25135.13060	0.7	1524243.593
Ti	47	1	He	7.585408	3.1	2950.943
V	51	1	He	2.484183	4.7	21533.760
Cr	52	1	He	2.067876	2.1	23150.837
Mn	55	1	He	31.808297	0.4	264875.490
Fe	56	1	He	567.950370	0.9	5720952.500
Co	59	1	He	0.187204	4.4	3066.937
Ni	60	1	He	2.650968	4.5	11012.060
Cu	63	1	He	1.470937	3.0	15055.663
Zn	66	1	He	11.908134	0.9	24897.240
As	75	1	He	0.879252	0.8	1697.247
Se	78	2	H2	16.060414	1.8	13503.130
Sr	88	1	He	89.689605	2.5	1359777.063
Mo	95	1	He	2.404685	1.5	15156.653
Pd	105	1	He	0.017153	51.9	193.337
Ag	107	1	He	1.325838	78.8	26212.193
Cd	111	1	He	0.122049	7.8	450.463
Sn	118	1	He	0.114280	4.3	1236.723
Sb	121	1	He	0.149504	7.4	1953.463
Ba	138	1	He	27.589809	0.2	884947.720
Pt	195	1	He	0.010270	17.8	196.673
Hg	202	1	He	0.004957	20.2	93.333
Tl	205	1	He	0.015769	21.8	1311.737
Pb	206	1	He	0.600412	3.3	8969.267
Pb	207	1	He	0.563841	4.0	7765.283
Pb	208	1	He	0.574241	3.2	34579.637
Bi	209	1	He	0.012902	25.1	1896.813
Th	232	1	He	0.144186	1.1	9471.297
U	238	1	He	1.159257	1.2	77584.660

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.94962267	786860.500
Sc	45	2	H2	70.99750503	4758374.667
Ge	72	1	He	71.04400298	481068.397
Ge	72	2	H2	71.53281214	1297500.417
In	115	1	He	75.22311848	5483309.087
Tb	159	1	He	79.40316346	12857134.393
Ir	193	1	He	78.44017268	6131842.410

Sample Name	10607799002_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	270SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:20:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.108811	27.0	111.667
Be	9	2	H2	0.027152	37.1	18.000
B	11	2	H2	-0.775002		1823.467
Na	23	1	He	350.762834	0.7	512257.543
Mg	24	1	He	336.107852	1.7	268349.247
Al	27	1	He	26.878759	2.6	11694.450
Si	28	2	H2	222.984689	5.7	752003.980
K	39	1	He	62.627791	2.8	169870.630
Ca	43	1	He	1223.742180	2.1	4433.033
Ca	44	1	He	1259.104863	0.3	76381.550
Ti	47	1	He	0.345942	13.7	136.667
V	51	1	He	0.098813	49.3	-401.253
Cr	52	1	He	0.114013	3.0	1669.420
Mn	55	1	He	1.532727	1.3	13412.327
Fe	56	1	He	28.501776	1.5	298871.747
Co	59	1	He	0.008140	12.5	206.667
Ni	60	1	He	0.010394	114.8	688.683
Cu	63	1	He	0.092833	8.5	1170.043
Zn	66	1	He	0.621121	10.2	1454.067
As	75	1	He	0.046591	8.0	280.167
Se	78	2	H2	0.787537	5.1	684.347
Sr	88	1	He	4.299126	0.7	65856.097
Mo	95	1	He	0.123532	8.1	793.360
Pd	105	1	He	0.003976	64.1	66.667
Ag	107	1	He	1.975016	77.8	39024.960
Cd	111	1	He	0.017249	39.4	66.427
Sn	118	1	He	0.123526	10.2	1336.733
Sb	121	1	He	0.010944	19.9	213.333
Ba	138	1	He	1.384760	0.5	43798.360
Pt	195	1	He	0.002310	74.9	100.000
Hg	202	1	He	0.001266	262.5	70.000
Tl	205	1	He	-0.005199		391.677
Pb	206	1	He	0.032036	8.1	543.350
Pb	207	1	He	0.026391	15.4	1101.717
Pb	208	1	He	0.030810	11.0	2795.123
Bi	209	1	He	-0.003532		1123.407
Th	232	1	He	0.009062	13.4	631.683
U	238	1	He	0.059432	6.1	4003.893

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.85366887	785811.123
Sc	45	2	H2	71.99467187	4825206.500
Ge	72	1	He	70.85881567	479814.417
Ge	72	2	H2	72.58880977	1316654.667
In	115	1	He	75.81404935	5526384.363
Tb	159	1	He	78.08640964	12643922.727
Ir	193	1	He	77.62809813	6068360.740

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	271_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:23:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	74.240416	5.9	41291.917
Be	9	2	H2	74.354167	5.7	35231.857
B	11	2	H2	70.828176	7.2	37407.890
Na	23	1	He	1993.271427	2.5	2778797.667
Mg	24	1	He	1971.585133	2.5	1522346.330
Al	27	1	He	1920.324578	1.6	801926.440
Si	28	2	H2	928.544026	6.0	2997838.417
K	39	1	He	2040.660036	2.4	2436450.433
Ca	43	1	He	1915.126372	1.5	6759.413
Ca	44	1	He	1937.848977	1.9	114540.313
Ti	47	1	He	75.200786	2.3	28464.847
V	51	1	He	79.701306	1.5	712402.227
Cr	52	1	He	80.356772	1.2	860501.627
Mn	55	1	He	81.766023	1.6	661877.167
Fe	56	1	He	1011.773662	2.2	9913295.333
Co	59	1	He	80.532241	2.1	1275097.043
Ni	60	1	He	80.579279	1.6	312907.853
Cu	63	1	He	82.939544	1.5	828544.357
Zn	66	1	He	79.286760	1.4	163373.303
As	75	1	He	77.065584	1.6	130142.453
Se	78	2	H2	74.769392	0.9	62451.970
Sr	88	1	He	73.263937	0.5	1083480.427
Mo	95	1	He	79.761747	1.8	497734.040
Pd	105	1	He	75.974263	1.3	717006.967
Ag	107	1	He	40.929258	7.8	770117.877
Cd	111	1	He	75.278319	0.5	269526.903
Sn	118	1	He	75.523669	0.6	710048.893
Sb	121	1	He	72.919730	0.5	894396.757
Ba	138	1	He	77.220843	1.1	2423559.857
Pt	195	1	He	75.903307	0.8	886445.090
Hg	202	1	He	3.522872	2.8	20807.113
Tl	205	1	He	39.263314	0.7	1675888.830
Pb	206	1	He	77.971483	0.8	1129986.570
Pb	207	1	He	81.551082	0.9	987546.417
Pb	208	1	He	80.259972	0.6	4588233.107
Bi	209	1	He	83.295034	1.0	3747286.713
Th	232	1	He	76.873170	0.6	4979000.237
U	238	1	He	74.079158	0.7	4907712.323

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.05624373	766153.997
Sc	45	2	H2	69.60680406	4665167.500
Ge	72	1	He	70.42551429	476880.353
Ge	72	2	H2	71.14063603	1290386.917
In	115	1	He	73.37587192	5348656.017
Tb	159	1	He	77.69738792	12580931.477
Ir	193	1	He	77.71678855	6075293.867

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	272_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:27:27
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.025435	52.4	62.667
Be	9	2	H2	0.029195	50.6	18.333
B	11	2	H2	-0.624646		1846.793
Na	23	1	He	4.084647	3.3	18204.003
Mg	24	1	He	-2.406488		666.687
Al	27	1	He	0.981777	8.4	586.010
Si	28	2	H2	-0.078233		8671.543
K	39	1	He	25.524693	3.6	122263.573
Ca	43	1	He	1.490301	40.8	12.750
Ca	44	1	He	0.579637	107.2	166.080
Ti	47	1	He	0.008015	101.0	5.333
V	51	1	He	-0.000286		-1271.957
Cr	52	1	He	0.004563	68.8	453.343
Mn	55	1	He	-0.048659		286.667
Fe	56	1	He	0.108717	32.0	13451.020
Co	59	1	He	0.003236	7.6	125.333
Ni	60	1	He	-0.138524		105.333
Cu	63	1	He	0.004370	36.2	274.000
Zn	66	1	He	0.026014	44.3	216.000
As	75	1	He	0.000649	562.1	197.167
Se	78	2	H2	0.018815	20.0	28.333
Sr	88	1	He	0.004987	56.1	245.003
Mo	95	1	He	0.045080	15.1	293.343
Pd	105	1	He	0.011342	29.1	133.337
Ag	107	1	He	1.591418	69.9	30456.710
Cd	111	1	He	0.006770	106.4	26.577
Sn	118	1	He	0.021040	21.2	328.343
Sb	121	1	He	0.013914	16.8	241.670
Ba	138	1	He	0.007463	14.3	351.677
Pt	195	1	He	0.008043	45.0	163.337
Hg	202	1	He	0.029844	58.1	233.340
Tl	205	1	He	0.045227	15.7	2491.880
Pb	206	1	He	0.005750	39.4	156.667
Pb	207	1	He	0.000805	48.5	771.697
Pb	208	1	He	0.005604	12.4	1315.040
Bi	209	1	He	0.003962	120.6	1426.763
Th	232	1	He	0.012573	7.8	838.367
U	238	1	He	0.006640	12.5	498.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.62616321	761450.520
Sc	45	2	H2	70.12498685	4699897.000
Ge	72	1	He	69.08453845	467800.050
Ge	72	2	H2	70.59831678	1280550.040
In	115	1	He	73.06457350	5325964.250
Tb	159	1	He	76.20882582	12339900.237
Ir	193	1	He	75.80046422	5925490.540

Sample Name	10607799003_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	273SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:31:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	7.034019	4.3	4046.107
Be	9	2	H2	0.065143	32.4	36.333
B	11	2	H2	12.471426	13.5	8555.457
Na	23	1	He	6357.124463	2.4	8845589.453
Mg	24	1	He	12033.88645	2.2	9290572.153
Al	27	1	He	119.417741	2.8	50096.903
Si	28	2	H2	8574.954081	7.0	28264088.667
K	39	1	He	886.943101	2.5	1113327.277
Ca	43	1	He	47685.95622	2.2	168331.837
Ca	44	1	He	48518.96787	2.6	2868071.953
Ti	47	1	He	2.181618	24.7	828.750
V	51	1	He	0.293872	41.0	1349.120
Cr	52	1	He	3.594937	2.3	38933.563
Mn	55	1	He	57.308585	2.6	464664.353
Fe	56	1	He	130.133098	2.0	1287518.917
Co	59	1	He	0.226125	5.3	3579.027
Ni	60	1	He	1.438520	4.3	6087.047
Cu	63	1	He	6.358643	2.1	62392.240
Zn	66	1	He	4.273011	2.1	8773.500
As	75	1	He	0.208340	5.3	539.510
Se	78	2	H2	0.160138	6.4	146.667
Sr	88	1	He	206.405548	1.9	3049068.080
Mo	95	1	He	0.613681	7.1	3765.447
Pd	105	1	He	0.031770	18.3	326.677
Ag	107	1	He	3.026878	78.7	57587.330
Cd	111	1	He	0.040924	38.4	148.873
Sn	118	1	He	0.282198	4.8	2781.923
Sb	121	1	He	0.087951	6.2	1150.057
Ba	138	1	He	7.123905	1.1	224191.563
Pt	195	1	He	0.007748	28.8	163.337
Hg	202	1	He	0.019949	9.2	180.007
Tl	205	1	He	0.019163	15.6	1431.747
Pb	206	1	He	0.181191	5.0	2708.583
Pb	207	1	He	0.177260	5.4	2928.633
Pb	208	1	He	0.171680	3.2	10858.130
Bi	209	1	He	0.011572	43.4	1800.137
Th	232	1	He	0.291147	3.1	18501.023
U	238	1	He	0.880666	1.6	57165.647

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.15199972	767201.210
Sc	45	2	H2	71.17481323	4770258.167
Ge	72	1	He	68.93992809	466820.833
Ge	72	2	H2	71.20899657	1291626.877
In	115	1	He	73.30611335	5343571.040
Tb	159	1	He	77.87260839	12609303.560
Ir	193	1	He	76.05978213	5945761.997

Sample Name	10607799003_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	274SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:34:36
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.349596	9.3	250.167
Be	9	2	H2	0.019632	30.4	14.333
B	11	2	H2	-0.403968		2010.143
Na	23	1	He	319.500623	1.9	467358.900
Mg	24	1	He	600.800076	2.4	477244.730
Al	27	1	He	7.168723	2.2	3251.627
Si	28	2	H2	438.748391	6.8	1469825.170
K	39	1	He	65.018852	2.3	172532.043
Ca	43	1	He	2364.940054	1.1	8552.313
Ca	44	1	He	2453.758988	3.0	148600.807
Ti	47	1	He	0.072973	30.0	30.667
V	51	1	He	-0.038746		-1665.290
Cr	52	1	He	0.228217	3.0	2920.913
Mn	55	1	He	2.844096	2.3	24267.603
Fe	56	1	He	6.926551	1.1	82245.630
Co	59	1	He	0.013104	21.6	286.667
Ni	60	1	He	-0.048343		461.343
Cu	63	1	He	0.326100	6.6	3525.693
Zn	66	1	He	0.255546	3.2	699.350
As	75	1	He	0.001780	82.2	204.833
Se	78	2	H2	0.010891	14.4	22.333
Sr	88	1	He	9.861574	2.2	151156.707
Mo	95	1	He	0.031818	15.6	218.333
Pd	105	1	He	0.005684	28.8	83.333
Ag	107	1	He	2.453539	75.4	48278.677
Cd	111	1	He	0.008740	30.8	34.933
Sn	118	1	He	0.120680	9.8	1311.733
Sb	121	1	He	0.008145	37.6	178.333
Ba	138	1	He	0.362106	2.8	11637.470
Pt	195	1	He	0.004754	107.2	130.000
Hg	202	1	He	0.015758	80.9	156.673
Tl	205	1	He	-0.003070		486.677
Pb	206	1	He	0.012781	34.1	265.003
Pb	207	1	He	0.006891	64.1	871.700
Pb	208	1	He	0.010294	31.0	1630.050
Bi	209	1	He	0.000877	205.5	1333.420
Th	232	1	He	0.016641	6.3	1123.387
U	238	1	He	0.045802	1.8	3105.347

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.79275901	785144.997
Sc	45	2	H2	71.93286106	4821063.833
Ge	72	1	He	71.09872763	481438.960
Ge	72	2	H2	72.44052951	1313965.080
In	115	1	He	75.96587648	5537451.640
Tb	159	1	He	78.71442989	12745613.143
Ir	193	1	He	77.71715364	6075322.407

Sample Name	10607799004_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	275SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:38:11
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.340351	3.8	3119.923
Be	9	2	H2	0.028083	28.6	18.500
B	11	2	H2	10.939489	1.4	7851.820
Na	23	1	He	5979.762484	0.9	8362510.083
Mg	24	1	He	14552.08329	1.6	11288939.413
Al	27	1	He	154.947471	1.7	65267.900
Si	28	2	H2	6142.778912	5.5	20489772.000
K	39	1	He	787.563926	1.0	1004038.187
Ca	43	1	He	66737.95055	1.0	236745.583
Ca	44	1	He	68002.01596	1.3	4039562.400
Ti	47	1	He	1.463276	7.4	559.343
V	51	1	He	0.383379	19.0	2174.677
Cr	52	1	He	1.542240	3.5	17016.660
Mn	55	1	He	31.262869	1.2	255046.683
Fe	56	1	He	168.972058	1.3	1676253.293
Co	59	1	He	0.895262	2.6	14053.493
Ni	60	1	He	0.126515	4.8	1119.373
Cu	63	1	He	0.202837	3.5	2231.483
Zn	66	1	He	1.321688	2.2	2847.570
As	75	1	He	0.264558	2.8	637.343
Se	78	2	H2	0.501405	1.5	438.010
Sr	88	1	He	137.341949	1.7	2039631.427
Mo	95	1	He	0.295011	8.0	1831.780
Pd	105	1	He	0.029865	7.3	310.010
Ag	107	1	He	2.660881	78.2	51202.027
Cd	111	1	He	0.013065	9.9	49.450
Sn	118	1	He	0.082994	7.0	916.703
Sb	121	1	He	0.027680	4.2	413.343
Ba	138	1	He	22.955469	1.4	724349.157
Pt	195	1	He	0.014043	71.5	236.673
Hg	202	1	He	0.016470	20.7	160.003
Tl	205	1	He	0.002823	49.8	735.027
Pb	206	1	He	0.122857	7.0	1868.460
Pb	207	1	He	0.113387	6.4	2161.840
Pb	208	1	He	0.116491	2.3	7722.437
Bi	209	1	He	0.010079	21.7	1740.143
Th	232	1	He	0.061709	3.5	3970.537
U	238	1	He	0.868795	1.3	56630.600

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.49362442	770937.310
Sc	45	2	H2	72.04859221	4828820.333
Ge	72	1	He	69.46715668	470390.917
Ge	72	2	H2	72.20446487	1309683.213
In	115	1	He	73.69882787	5372197.547
Tb	159	1	He	78.12515510	12650196.477
Ir	193	1	He	76.38015647	5970806.370

Sample Name	10607799004_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	276SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:41:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.273343	8.0	207.500
Be	9	2	H2	0.009729	40.7	9.500
B	11	2	H2	-0.509009		1966.813
Na	23	1	He	300.246120	1.0	443901.543
Mg	24	1	He	726.906902	0.6	582002.897
Al	27	1	He	9.220316	4.6	4165.840
Si	28	2	H2	315.197749	6.2	1064464.480
K	39	1	He	60.166543	3.9	168310.147
Ca	43	1	He	3317.170830	1.2	12100.307
Ca	44	1	He	3414.350552	0.8	208562.463
Ti	47	1	He	0.079172	54.4	33.333
V	51	1	He	0.053964	112.8	-822.387
Cr	52	1	He	0.099901	2.2	1526.737
Mn	55	1	He	1.479600	3.2	13076.747
Fe	56	1	He	8.988505	1.4	103842.133
Co	59	1	He	0.042406	4.1	762.020
Ni	60	1	He	-0.117416		192.667
Cu	63	1	He	0.044347	8.4	691.350
Zn	66	1	He	0.141196	10.7	466.010
As	75	1	He	0.001836	267.9	206.833
Se	78	2	H2	0.027807	13.6	37.000
Sr	88	1	He	6.683325	1.8	102617.050
Mo	95	1	He	0.017665	40.9	130.000
Pd	105	1	He	0.005332	58.3	80.000
Ag	107	1	He	1.731251	71.5	34509.090
Cd	111	1	He	0.002900	53.5	13.297
Sn	118	1	He	0.111331	6.4	1221.723
Sb	121	1	He	0.001865	209.5	98.333
Ba	138	1	He	1.167403	1.5	37371.427
Pt	195	1	He	0.000811	337.3	83.333
Hg	202	1	He	0.014474	29.1	150.000
Tl	205	1	He	-0.007867		280.007
Pb	206	1	He	0.010461	26.0	231.670
Pb	207	1	He	0.000960	228.8	801.697
Pb	208	1	He	0.008169	17.2	1511.710
Bi	209	1	He	0.000779	552.6	1333.420
Th	232	1	He	0.004298	11.7	328.343
U	238	1	He	0.043924	2.6	3023.660

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.43593077	792178.897
Sc	45	2	H2	72.33273642	4847864.167
Ge	72	1	He	71.76598703	485957.250
Ge	72	2	H2	72.94002795	1323025.250
In	115	1	He	76.06588169	5544741.413
Tb	159	1	He	78.99824161	12791568.560
Ir	193	1	He	78.81720875	6161316.157

Sample Name	10607799005_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	277SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:45:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	3.916225	5.2	2284.140
Be	9	2	H2	0.066099	32.1	37.000
B	11	2	H2	10.612257	10.1	7638.373
Na	23	1	He	6518.029586	2.3	9133276.947
Mg	24	1	He	6855.347490	2.4	5331000.753
Al	27	1	He	957.775175	2.0	403388.437
Si	28	2	H2	8119.889597	5.2	26870574.000
K	39	1	He	714.260099	1.7	921356.963
Ca	43	1	He	37457.60185	2.0	133163.350
Ca	44	1	He	38374.24545	1.4	2284680.163
Ti	47	1	He	13.984719	9.9	5336.913
V	51	1	He	1.223090	10.4	9747.050
Cr	52	1	He	5.375214	2.0	58422.130
Mn	55	1	He	106.477078	1.2	868938.207
Fe	56	1	He	1079.990641	1.7	10669230.667
Co	59	1	He	0.452908	3.9	7174.120
Ni	60	1	He	2.315001	2.0	9519.203
Cu	63	1	He	1.069595	1.4	10807.943
Zn	66	1	He	4.682131	3.8	9703.980
As	75	1	He	1.123918	2.6	2073.623
Se	78	2	H2	0.441347	4.4	384.003
Sr	88	1	He	58.397242	0.5	878721.240
Mo	95	1	He	1.337932	7.4	8278.717
Pd	105	1	He	0.012406	33.3	146.667
Ag	107	1	He	1.390488	81.4	27373.847
Cd	111	1	He	0.014620	60.0	55.847
Sn	118	1	He	0.111070	9.3	1196.723
Sb	121	1	He	0.042336	1.7	601.687
Ba	138	1	He	40.675229	0.5	1298533.967
Pt	195	1	He	0.010048	45.6	193.340
Hg	202	1	He	0.015592	15.6	156.667
Tl	205	1	He	0.002915	47.2	748.360
Pb	206	1	He	0.789742	0.9	11719.347
Pb	207	1	He	0.738509	1.4	9879.783
Pb	208	1	He	0.761661	1.4	45316.773
Bi	209	1	He	0.012125	26.6	1853.490
Th	232	1	He	0.470709	0.2	30626.557
U	238	1	He	0.368348	1.8	24549.500

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.64981722	772645.477
Sc	45	2	H2	71.48928593	4791334.667
Ge	72	1	He	69.71132378	472044.273
Ge	72	2	H2	71.60459302	1298802.417
In	115	1	He	74.65780533	5442101.187
Tb	159	1	He	79.03449874	12797439.393
Ir	193	1	He	77.95827728	6094171.577

Sample Name	10607799005_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	278SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:48:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.180018	4.2	151.333
Be	9	2	H2	0.013974	55.8	11.333
B	11	2	H2	-0.912744		1726.790
Na	23	1	He	324.298234	0.5	471497.220
Mg	24	1	He	341.296173	0.6	270674.100
Al	27	1	He	49.199340	2.7	21116.467
Si	28	2	H2	421.000791	8.8	1396327.877
K	39	1	He	56.718086	1.1	161849.347
Ca	43	1	He	1867.130632	0.6	6715.633
Ca	44	1	He	1936.610352	1.5	116642.403
Ti	47	1	He	0.695735	9.9	270.670
V	51	1	He	0.206109	5.5	579.703
Cr	52	1	He	0.282701	9.4	3498.350
Mn	55	1	He	6.371775	0.3	53200.377
Fe	56	1	He	112.100429	0.8	1130551.957
Co	59	1	He	0.028720	10.0	533.343
Ni	60	1	He	0.014349	55.9	702.683
Cu	63	1	He	0.152172	0.6	1762.760
Zn	66	1	He	0.271507	9.9	728.683
As	75	1	He	0.044334	15.9	275.833
Se	78	2	H2	0.022360	5.3	31.667
Sr	88	1	He	2.843608	1.1	43456.927
Mo	95	1	He	0.065232	28.6	426.680
Pd	105	1	He	0.006414	16.9	90.000
Ag	107	1	He	1.074229	80.9	21443.233
Cd	111	1	He	0.006080	59.7	24.873
Sn	118	1	He	0.097722	4.7	1081.717
Sb	121	1	He	0.003084	110.8	113.333
Ba	138	1	He	2.046447	1.3	65043.147
Pt	195	1	He	0.001970	212.1	96.667
Hg	202	1	He	0.009073	106.1	116.670
Tl	205	1	He	-0.009292		216.670
Pb	206	1	He	0.040581	8.8	671.687
Pb	207	1	He	0.027212	36.1	1118.383
Pb	208	1	He	0.039041	10.9	3286.823
Bi	209	1	He	0.000901	508.3	1330.083
Th	232	1	He	0.024721	8.2	1641.777
U	238	1	He	0.018951	7.7	1323.403

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.38733468	780711.167
Sc	45	2	H2	71.21015004	4772626.500
Ge	72	1	He	70.71753549	478857.750
Ge	72	2	H2	71.47267314	1296409.583
In	115	1	He	75.53130571	5505774.067
Tb	159	1	He	78.54606456	12718351.060
Ir	193	1	He	77.49071719	6057621.367

Sample Name	10607799006_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	279SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:52:29
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	2.813349	3.5	1609.237
Be	9	2	H2	0.020210	78.5	14.167
B	11	2	H2	10.465736	7.8	7351.553
Na	23	1	He	5607.662592	1.9	7770521.760
Mg	24	1	He	8367.823163	2.0	6432977.193
Al	27	1	He	45.465020	1.2	19102.850
Si	28	2	H2	6281.679974	7.4	20228094.000
K	39	1	He	855.376645	2.0	1072401.703
Ca	43	1	He	105079.5550	1.7	369324.137
Ca	44	1	He	107027.8041	2.3	6299212.557
Ti	47	1	He	0.684827	4.8	260.667
V	51	1	He	0.373450	16.8	2058.457
Cr	52	1	He	2.071765	2.4	22512.613
Mn	55	1	He	23.794956	1.8	192497.190
Fe	56	1	He	49.819054	1.9	498433.417
Co	59	1	He	0.041829	10.4	716.017
Ni	60	1	He	0.324774	4.4	1844.100
Cu	63	1	He	0.388980	1.8	3993.790
Zn	66	1	He	4.815125	3.3	9767.350
As	75	1	He	0.345478	1.6	758.353
Se	78	2	H2	1.072625	3.9	892.023
Sr	88	1	He	216.332647	2.3	3193050.577
Mo	95	1	He	0.109850	3.6	681.687
Pd	105	1	He	0.034945	34.7	356.680
Ag	107	1	He	2.708677	81.5	51754.967
Cd	111	1	He	0.020243	23.8	74.793
Sn	118	1	He	0.085036	4.8	930.033
Sb	121	1	He	0.033452	5.0	481.677
Ba	138	1	He	38.390099	1.1	1206095.137
Pt	195	1	He	0.006895	37.2	153.337
Hg	202	1	He	0.005853	146.0	96.670
Tl	205	1	He	-0.001919		530.013
Pb	206	1	He	0.102501	4.4	1563.423
Pb	207	1	He	0.080684	8.5	1755.113
Pb	208	1	He	0.094690	1.8	6438.873
Bi	209	1	He	0.006335	69.7	1563.447
Th	232	1	He	0.018364	8.4	1211.727
U	238	1	He	0.787168	2.5	51228.777

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.84440307	763837.250
Sc	45	2	H2	69.51261817	4658855.000
Ge	72	1	He	68.26284948	462236.053
Ge	72	2	H2	69.84516445	1266888.960
In	115	1	He	73.25003072	5339482.957
Tb	159	1	He	77.77694259	12593813.143
Ir	193	1	He	76.24806300	5960480.330

Sample Name	10607799006_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	280SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:56:01
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.122174	18.9	118.500
Be	9	2	H2	0.013229	42.7	11.000
B	11	2	H2	-0.575284		1900.137
Na	23	1	He	296.553160	4.7	417487.847
Mg	24	1	He	441.414680	5.3	337288.053
Al	27	1	He	4.537628	39.6	2018.013
Si	28	2	H2	326.891622	6.0	1086387.417
K	39	1	He	67.246496	10.8	168195.453
Ca	43	1	He	5468.169076	4.1	18984.440
Ca	44	1	He	5609.151982	3.9	326119.193
Ti	47	1	He	0.086775	112.1	33.333
V	51	1	He	0.026491	376.9	-1045.187
Cr	52	1	He	0.137327	4.7	1849.433
Mn	55	1	He	1.214256	5.1	10333.633
Fe	56	1	He	3.945743	39.0	49821.357
Co	59	1	He	-0.000301		70.000
Ni	60	1	He	-0.117104		186.000
Cu	63	1	He	0.022707	19.7	450.010
Zn	66	1	He	0.297519	10.4	757.353
As	75	1	He	0.003470	272.0	200.167
Se	78	2	H2	0.063863	6.1	66.333
Sr	88	1	He	10.831939	3.6	159852.497
Mo	95	1	He	0.006422	92.1	56.667
Pd	105	1	He	0.001659	190.0	43.333
Ag	107	1	He	2.015452	85.9	37294.787
Cd	111	1	He	0.002012	132.2	9.983
Sn	118	1	He	0.121659	16.5	1266.723
Sb	121	1	He	0.000842	277.2	83.333
Ba	138	1	He	1.987904	3.4	61238.973
Pt	195	1	He	0.001986	140.6	93.333
Hg	202	1	He	0.011528	53.6	126.667
Tl	205	1	He	-0.009714		191.667
Pb	206	1	He	0.005809	45.1	156.667
Pb	207	1	He	-0.000989		751.693
Pb	208	1	He	0.003756	32.0	1211.700
Bi	209	1	He	-0.003576		1096.727
Th	232	1	He	0.001929	35.9	165.000
U	238	1	He	0.040056	5.2	2663.593

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.05849739	755242.373
Sc	45	2	H2	71.22973822	4773939.333
Ge	72	1	He	68.63841551	464779.167
Ge	72	2	H2	71.33410296	1293896.123
In	115	1	He	73.25336365	5339725.907
Tb	159	1	He	76.21122922	12340289.400
Ir	193	1	He	75.95064805	5937230.743

Sample Name	10607799007_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	281SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 02:59:34
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	8.387431	3.5	4747.267
Be	9	2	H2	0.218489	1.8	108.833
B	11	2	H2	13.019208	8.5	8695.550
Na	23	1	He	5949.943006	0.6	8206884.043
Mg	24	1	He	13229.10157	0.6	10122916.307
Al	27	1	He	3116.386387	0.9	1291367.580
Si	28	2	H2	12108.94889	6.3	39342314.667
K	39	1	He	1562.113910	4.3	1873027.473
Ca	43	1	He	62743.84546	0.4	219530.107
Ca	44	1	He	64207.57436	0.6	3762010.770
Ti	47	1	He	42.207311	8.8	15861.603
V	51	1	He	3.975448	8.1	34073.393
Cr	52	1	He	10.449298	0.6	111400.950
Mn	55	1	He	612.140990	0.5	4913062.000
Fe	56	1	He	3490.982257	1.6	33912582.667
Co	59	1	He	1.946829	1.5	29801.207
Ni	60	1	He	5.984954	1.5	22990.640
Cu	63	1	He	3.832500	1.0	37141.520
Zn	66	1	He	14.325582	0.2	28600.740
As	75	1	He	0.785119	3.0	1469.563
Se	78	2	H2	0.272751	6.5	236.667
Sr	88	1	He	141.236497	1.2	2039453.667
Mo	95	1	He	1.042505	2.0	6291.193
Pd	105	1	He	0.035868	12.3	356.677
Ag	107	1	He	2.572757	42.9	48000.400
Cd	111	1	He	0.049363	28.4	174.780
Sn	118	1	He	0.271286	6.9	2620.223
Sb	121	1	He	0.072898	5.0	943.370
Ba	138	1	He	34.466994	0.5	1066894.437
Pt	195	1	He	0.010576	25.5	193.340
Hg	202	1	He	0.014701	41.3	146.670
Tl	205	1	He	0.022464	13.9	1548.427
Pb	206	1	He	3.299912	1.4	47239.563
Pb	207	1	He	3.210695	1.6	39082.807
Pb	208	1	He	3.243145	0.1	183813.967
Bi	209	1	He	0.035343	19.3	2826.963
Th	232	1	He	1.071123	1.6	66885.520
U	238	1	He	0.943182	1.0	60273.990

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.52308328	760323.210
Sc	45	2	H2	70.17261071	4703088.833
Ge	72	1	He	67.91920341	459909.083
Ge	72	2	H2	69.95429197	1268868.373
In	115	1	He	71.65597583	5223286.023
Tb	159	1	He	76.62924634	12407975.650
Ir	193	1	He	74.88249365	5853730.743

Sample Name	10607799007_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	282SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:03:07
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.448468	11.9	303.333
Be	9	2	H2	0.009140	42.1	9.000
B	11	2	H2	-0.138049		2113.580
Na	23	1	He	302.520646	0.5	437288.730
Mg	24	1	He	666.736316	1.4	522249.277
Al	27	1	He	157.143801	1.3	66521.100
Si	28	2	H2	630.872948	6.9	2082339.207
K	39	1	He	97.021873	3.4	207384.857
Ca	43	1	He	3156.346388	1.8	11259.323
Ca	44	1	He	3251.207272	1.5	194218.950
Ti	47	1	He	1.861262	5.3	714.690
V	51	1	He	0.176053	55.5	303.530
Cr	52	1	He	0.543188	1.7	6290.443
Mn	55	1	He	30.600024	1.0	250889.977
Fe	56	1	He	179.879089	1.6	1792464.123
Co	59	1	He	0.098182	7.4	1616.747
Ni	60	1	He	0.188206	2.7	1361.390
Cu	63	1	He	0.241772	3.8	2626.870
Zn	66	1	He	0.787330	7.6	1771.427
As	75	1	He	0.033741	7.0	254.500
Se	78	2	H2	0.013233	20.9	24.000
Sr	88	1	He	6.885062	0.8	104072.567
Mo	95	1	He	0.052957	22.6	345.010
Pd	105	1	He	0.002679	118.2	53.333
Ag	107	1	He	1.268107	81.0	24998.053
Cd	111	1	He	0.003855	41.2	16.563
Sn	118	1	He	0.111520	19.1	1205.057
Sb	121	1	He	0.003175	44.6	113.333
Ba	138	1	He	1.738131	1.3	55093.377
Pt	195	1	He	0.002275	127.8	100.000
Hg	202	1	He	0.011347	111.6	130.003
Tl	205	1	He	-0.009681		200.000
Pb	206	1	He	0.160525	10.8	2421.880
Pb	207	1	He	0.145310	2.9	2555.230
Pb	208	1	He	0.158745	4.0	10173.020
Bi	209	1	He	-0.003305		1136.730
Th	232	1	He	0.050118	4.4	3298.717
U	238	1	He	0.044988	8.6	3055.333

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.83378123	774657.357
Sc	45	2	H2	71.02846515	4760449.667
Ge	72	1	He	69.79844393	472634.200
Ge	72	2	H2	71.39396869	1294982.000
In	115	1	He	74.88290229	5458509.390
Tb	159	1	He	78.30194268	12678822.310
Ir	193	1	He	77.86260710	6086692.827

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	283_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:06:43
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	74.709629	6.6	41625.503
Be	9	2	H2	74.140509	6.3	35193.807
B	11	2	H2	72.863000	9.8	38507.147
Na	23	1	He	1979.880212	1.4	2760860.583
Mg	24	1	He	1966.271953	1.3	1518612.583
Al	27	1	He	1913.994845	0.8	799465.770
Si	28	2	H2	933.814945	7.1	3020364.583
K	39	1	He	2029.795787	1.1	2424552.670
Ca	43	1	He	1928.013824	0.1	6806.400
Ca	44	1	He	1936.975921	1.2	114515.503
Ti	47	1	He	75.623998	2.7	28631.120
V	51	1	He	80.197847	0.5	717012.623
Cr	52	1	He	79.977410	1.4	856624.523
Mn	55	1	He	81.141587	0.7	656978.270
Fe	56	1	He	1009.797667	1.4	9896216.667
Co	59	1	He	80.143507	1.4	1266688.207
Ni	60	1	He	80.797346	1.8	313180.583
Cu	63	1	He	82.360803	1.8	821260.397
Zn	66	1	He	79.151455	1.6	162802.497
As	75	1	He	77.223642	1.2	130176.573
Se	78	2	H2	75.608116	1.3	63160.073
Sr	88	1	He	72.919061	1.1	1079570.817
Mo	95	1	He	79.975930	1.0	498219.967
Pd	105	1	He	75.077382	0.6	709388.400
Ag	107	1	He	40.168615	6.3	757127.697
Cd	111	1	He	74.739159	1.2	267891.983
Sn	118	1	He	74.931103	1.2	705289.807
Sb	121	1	He	72.489630	0.2	890160.273
Ba	138	1	He	77.676125	1.9	2420506.580
Pt	195	1	He	75.521284	0.5	875790.743
Hg	202	1	He	3.568689	2.7	20930.593
Tl	205	1	He	39.446382	1.0	1671796.693
Pb	206	1	He	78.317367	0.9	1127004.487
Pb	207	1	He	81.703967	0.7	982413.190
Pb	208	1	He	80.017002	1.2	4541921.757
Bi	209	1	He	82.830725	1.8	3699864.110
Th	232	1	He	77.126806	2.2	4945745.553
U	238	1	He	74.595175	2.0	4892824.410

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.07092729	766314.580
Sc	45	2	H2	69.69679976	4671199.167
Ge	72	1	He	70.30330988	476052.857
Ge	72	2	H2	71.15024963	1290561.293
In	115	1	He	73.45910212	5354722.993
Tb	159	1	He	77.15026557	12492340.227
Ir	193	1	He	76.95194949	6015504.700

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	284_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:10:19
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.021302	7.7	59.000
Be	9	2	H2	0.022228	7.4	14.833
B	11	2	H2	-0.863626		1696.773
Na	23	1	He	3.484857	4.7	16972.867
Mg	24	1	He	-2.327206		710.020
Al	27	1	He	1.029997	3.3	592.010
Si	28	2	H2	0.408331	73.5	10068.340
K	39	1	He	25.358371	1.5	119241.957
Ca	43	1	He	1.624125	5.6	12.917
Ca	44	1	He	-0.171528		119.147
Ti	47	1	He	0.022887	27.9	10.667
V	51	1	He	0.027561	198.4	-1001.820
Cr	52	1	He	0.004500	42.5	442.010
Mn	55	1	He	-0.049582		272.667
Fe	56	1	He	0.177696	19.8	13794.617
Co	59	1	He	0.003835	49.3	132.000
Ni	60	1	He	-0.138880		102.000
Cu	63	1	He	0.003349	72.0	258.667
Zn	66	1	He	0.032983	11.2	225.333
As	75	1	He	0.002105	405.9	195.500
Se	78	2	H2	0.017771	29.3	27.000
Sr	88	1	He	0.006350	55.0	261.673
Mo	95	1	He	0.032735	13.2	213.333
Pd	105	1	He	0.002535	41.5	50.000
Ag	107	1	He	2.145970	69.2	40484.373
Cd	111	1	He	0.008287	34.8	31.603
Sn	118	1	He	0.025290	5.5	363.343
Sb	121	1	He	0.013471	19.3	233.333
Ba	138	1	He	0.008689	14.4	381.677
Pt	195	1	He	0.009521	23.7	176.673
Hg	202	1	He	0.024199	64.0	196.673
Tl	205	1	He	0.042087	25.3	2313.527
Pb	206	1	He	0.009315	47.5	203.337
Pb	207	1	He	0.001264	418.9	761.693
Pb	208	1	He	0.006258	3.7	1325.040
Bi	209	1	He	0.005848	59.7	1480.103
Th	232	1	He	0.012897	18.2	846.703
U	238	1	He	0.006803	28.8	501.680

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.00974707	743772.957
Sc	45	2	H2	68.74335258	4607297.500
Ge	72	1	He	67.66436399	458183.460
Ge	72	2	H2	69.34053880	1257735.790
In	115	1	He	72.07786109	5254038.900
Tb	159	1	He	74.70332394	12096126.070
Ir	193	1	He	74.70721028	5840028.453

Sample Name	10607799008_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	285SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:13:53
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	1.438955	5.3	841.853
Be	9	2	H2	0.193275	7.5	95.500
B	11	2	H2	7.963795	8.4	6054.433
Na	23	1	He	4578.420282	1.0	6284609.283
Mg	24	1	He	13619.20041	1.2	10366146.513
Al	27	1	He	1258.769740	0.8	518971.717
Si	28	2	H2	6684.693050	5.3	21395530.667
K	39	1	He	854.564043	0.9	1060989.023
Ca	43	1	He	48486.48295	1.4	168746.673
Ca	44	1	He	49246.65993	2.2	2870072.717
Ti	47	1	He	10.187572	2.5	3808.407
V	51	1	He	1.845193	4.9	15046.923
Cr	52	1	He	1.399192	2.5	15185.707
Mn	55	1	He	23.699403	1.1	189852.490
Fe	56	1	He	703.458765	1.3	6807582.000
Co	59	1	He	0.275336	1.7	4331.200
Ni	60	1	He	0.560938	1.5	2751.557
Cu	63	1	He	1.326690	0.9	13167.507
Zn	66	1	He	5.831444	0.6	11884.633
As	75	1	He	0.792275	1.5	1499.730
Se	78	2	H2	10.111282	0.2	8276.937
Sr	88	1	He	76.293930	0.3	1121136.103
Mo	95	1	He	0.184725	8.4	1143.380
Pd	105	1	He	0.015964	32.4	176.670
Ag	107	1	He	1.345099	81.0	25865.533
Cd	111	1	He	0.046573	33.9	167.990
Sn	118	1	He	0.321440	1.7	3133.650
Sb	121	1	He	0.057734	9.6	775.023
Ba	138	1	He	27.983094	1.5	880843.710
Pt	195	1	He	0.008302	35.9	170.003
Hg	202	1	He	0.005887	170.3	96.667
Tl	205	1	He	0.030035	5.6	1898.467
Pb	206	1	He	1.715766	2.1	25012.953
Pb	207	1	He	1.610229	1.7	20321.377
Pb	208	1	He	1.659886	1.4	96173.160
Bi	209	1	He	0.035687	1.8	2890.330
Th	232	1	He	1.739785	1.3	110839.233
U	238	1	He	0.717718	1.8	46826.707

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.15735621	756323.520
Sc	45	2	H2	69.10663782	4631645.500
Ge	72	1	He	68.76882303	465662.210
Ge	72	2	H2	69.62358720	1262869.873
In	115	1	He	72.91227331	5314862.490
Tb	159	1	He	77.93482706	12619378.143
Ir	193	1	He	76.42037749	5973950.537

Sample Name	10607799008_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	286SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:17:27
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.064870	23.8	84.667
Be	9	2	H2	0.018783	56.7	13.667
B	11	2	H2	-1.269020		1533.430
Na	23	1	He	226.371719	2.5	328818.727
Mg	24	1	He	668.522602	1.9	521084.067
Al	27	1	He	63.227856	1.9	26742.587
Si	28	2	H2	329.285549	5.7	1080785.127
K	39	1	He	63.286007	2.5	167404.637
Ca	43	1	He	2351.781409	1.7	8350.310
Ca	44	1	He	2458.246220	2.3	146163.670
Ti	47	1	He	0.568065	13.6	218.667
V	51	1	He	0.055037	98.8	-789.160
Cr	52	1	He	0.119134	4.9	1692.753
Mn	55	1	He	1.131164	2.0	9890.050
Fe	56	1	He	35.307847	2.5	360197.093
Co	59	1	He	0.013363	10.6	288.000
Ni	60	1	He	-0.107377		228.000
Cu	63	1	He	0.930230	1.8	9521.873
Zn	66	1	He	0.769861	1.6	1750.760
As	75	1	He	0.026422	21.3	244.333
Se	78	2	H2	0.475720	9.9	412.007
Sr	88	1	He	3.615339	2.3	54796.957
Mo	95	1	He	0.013743	7.1	103.333
Pd	105	1	He	0.007167	60.1	96.667
Ag	107	1	He	2.541933	79.0	49590.457
Cd	111	1	He	0.007059	29.7	28.303
Sn	118	1	He	0.107777	9.0	1170.053
Sb	121	1	He	0.007816	27.9	171.667
Ba	138	1	He	1.382040	1.4	43688.070
Pt	195	1	He	0.004013	118.2	120.000
Hg	202	1	He	0.015373	31.9	153.340
Tl	205	1	He	-0.003284		473.347
Pb	206	1	He	0.106839	7.3	1631.763
Pb	207	1	He	0.094037	7.5	1923.470
Pb	208	1	He	0.101332	0.9	6842.280
Bi	209	1	He	0.000545	86.1	1306.747
Th	232	1	He	0.085658	2.1	5542.697
U	238	1	He	0.033936	2.1	2298.527

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.49261890	770926.313
Sc	45	2	H2	70.33437918	4713930.833
Ge	72	1	He	70.39714749	476688.270
Ge	72	2	H2	71.47704449	1296488.873
In	115	1	He	74.97248642	5465039.530
Tb	159	1	He	78.04267721	12636841.477
Ir	193	1	He	77.00789703	6019878.243

Sample Name	10607799009_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	287SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:21:00
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	5.959467	5.7	3372.303
Be	9	2	H2	0.008118	49.1	8.333
B	11	2	H2	11.489170	14.1	7908.523
Na	23	1	He	5536.709866	2.0	7587633.220
Mg	24	1	He	17789.72756	1.9	13522668.133
Al	27	1	He	9.378480	1.9	4037.777
Si	28	2	H2	5632.960394	5.6	18216816.667
K	39	1	He	664.432500	1.4	844465.430
Ca	43	1	He	59327.89321	1.5	206222.920
Ca	44	1	He	60612.54627	1.8	3528185.757
Ti	47	1	He	0.134932	13.6	52.667
V	51	1	He	0.178869	144.8	307.703
Cr	52	1	He	4.017079	1.6	42793.560
Mn	55	1	He	7.903477	0.9	63687.263
Fe	56	1	He	14.625265	1.4	153405.900
Co	59	1	He	0.046116	1.7	779.353
Ni	60	1	He	0.947695	2.5	4171.170
Cu	63	1	He	0.639921	2.4	6402.490
Zn	66	1	He	2.153394	0.7	4443.897
As	75	1	He	0.329137	0.8	729.353
Se	78	2	H2	2.851602	1.6	2365.160
Sr	88	1	He	124.772760	1.0	1826446.743
Mo	95	1	He	0.236625	8.5	1443.403
Pd	105	1	He	0.019302	59.9	206.673
Ag	107	1	He	1.446292	76.4	27511.230
Cd	111	1	He	0.003903	21.9	16.230
Sn	118	1	He	0.060651	4.7	695.020
Sb	121	1	He	0.026266	17.3	390.010
Ba	138	1	He	4.912377	0.7	154240.337
Pt	195	1	He	0.010066	66.8	190.003
Hg	202	1	He	0.006963	75.6	103.333
Tl	205	1	He	-0.004405		423.343
Pb	206	1	He	0.037876	6.8	625.020
Pb	207	1	He	0.027984	20.5	1115.057
Pb	208	1	He	0.032799	7.7	2893.467
Bi	209	1	He	-0.006356		990.053
Th	232	1	He	0.004050	15.4	301.677
U	238	1	He	0.372058	1.1	24238.867

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.07544833	755427.753
Sc	45	2	H2	69.83931576	4680750.833
Ge	72	1	He	68.04181836	460739.360
Ge	72	2	H2	70.28114894	1274797.080
In	115	1	He	72.63555363	5294691.303
Tb	159	1	He	77.67932369	12578006.477
Ir	193	1	He	76.20939836	5957457.830

Sample Name	10607799009_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	288SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:24:35
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.313654	7.3	226.500
Be	9	2	H2	0.003602	42.8	6.333
B	11	2	H2	-0.760731		1803.460
Na	23	1	He	273.931254	1.4	396916.217
Mg	24	1	He	884.778178	1.3	691752.803
Al	27	1	He	1.472061	7.8	802.687
Si	28	2	H2	285.599829	5.4	946184.980
K	39	1	He	53.514338	4.4	156777.410
Ca	43	1	He	2928.523899	1.2	10440.480
Ca	44	1	He	3011.160728	0.6	179772.733
Ti	47	1	He	0.039180	63.2	17.333
V	51	1	He	0.089019	95.9	-484.807
Cr	52	1	He	0.213453	6.3	2720.213
Mn	55	1	He	0.326025	2.5	3352.990
Fe	56	1	He	0.970397	1.7	22196.937
Co	59	1	He	-0.000215		72.667
Ni	60	1	He	-0.085907		309.333
Cu	63	1	He	0.024248	9.4	474.677
Zn	66	1	He	0.105508	6.3	381.343
As	75	1	He	0.008418	122.2	212.667
Se	78	2	H2	0.154745	14.7	143.000
Sr	88	1	He	5.995766	1.4	90457.917
Mo	95	1	He	0.010883	6.9	85.000
Pd	105	1	He	-0.000438		23.333
Ag	107	1	He	1.126293	83.8	22302.033
Cd	111	1	He	0.000683	199.8	4.973
Sn	118	1	He	0.097608	11.3	1068.377
Sb	121	1	He	0.000528	160.5	80.000
Ba	138	1	He	0.236536	3.4	7530.087
Pt	195	1	He	0.004372	49.6	123.337
Hg	202	1	He	0.005914	120.5	96.667
Tl	205	1	He	-0.009353		211.667
Pb	206	1	He	-0.000314		71.667
Pb	207	1	He	-0.010517		648.353
Pb	208	1	He	-0.001925		908.353
Bi	209	1	He	-0.003271		1126.733
Th	232	1	He	0.001287	37.7	128.333
U	238	1	He	0.017652	6.9	1235.067

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.78897040	774167.293
Sc	45	2	H2	70.91545949	4752875.833
Ge	72	1	He	69.96912171	473789.930
Ge	72	2	H2	71.67362652	1300054.583
In	115	1	He	74.72803828	5447220.743
Tb	159	1	He	77.51551044	12551481.477
Ir	193	1	He	77.39958558	6050497.407

Sample Name	10607799010_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	289SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:28:10
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.962764	1.4	2838.050
Be	9	2	H2	0.032346	37.3	20.167
B	11	2	H2	12.632105	6.4	8535.443
Na	23	1	He	13741.46251	1.5	19017552.217
Mg	24	1	He	24200.11189	1.9	18593989.723
Al	27	1	He	358.018337	1.4	149145.370
Si	28	2	H2	6085.653829	5.3	19850989.333
K	39	1	He	1313.634558	1.2	1596384.507
Ca	43	1	He	48833.25190	1.3	171583.467
Ca	44	1	He	49896.58217	1.7	2935904.107
Ti	47	1	He	8.700975	2.4	3284.317
V	51	1	He	1.560295	1.8	12651.240
Cr	52	1	He	1.571910	1.2	17173.470
Mn	55	1	He	40.364337	1.6	325972.523
Fe	56	1	He	258.736173	1.6	2535710.583
Co	59	1	He	0.172559	2.3	2736.217
Ni	60	1	He	0.959644	3.4	4250.517
Cu	63	1	He	0.508659	1.5	5178.760
Zn	66	1	He	3.661904	0.9	7506.260
As	75	1	He	0.641962	0.8	1249.377
Se	78	2	H2	6.894105	1.9	5747.933
Sr	88	1	He	259.055546	1.3	3796355.047
Mo	95	1	He	0.608891	3.7	3718.767
Pd	105	1	He	0.043823	12.0	436.683
Ag	107	1	He	2.466386	79.8	46629.690
Cd	111	1	He	0.013093	21.4	48.883
Sn	118	1	He	0.073609	19.1	816.697
Sb	121	1	He	0.054717	9.9	736.690
Ba	138	1	He	43.016515	1.1	1353868.883
Pt	195	1	He	0.010294	20.8	193.343
Hg	202	1	He	0.008081	37.4	110.000
Tl	205	1	He	0.029112	8.0	1858.463
Pb	206	1	He	0.601261	2.3	8814.167
Pb	207	1	He	0.552009	4.1	7476.827
Pb	208	1	He	0.576915	2.3	34087.683
Bi	209	1	He	0.005630	76.9	1533.443
Th	232	1	He	0.092614	5.3	5926.487
U	238	1	He	0.809517	0.7	52663.483

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.81875813	763556.790
Sc	45	2	H2	70.43619443	4720754.667
Ge	72	1	He	68.61267151	464604.843
Ge	72	2	H2	70.86564359	1285398.957
In	115	1	He	72.71912158	5300782.900
Tb	159	1	He	77.91864902	12616758.560
Ir	193	1	He	76.21858748	5958176.163

Sample Name	10607799010_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	290SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:31:45
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.219826	21.4	172.833
Be	9	2	H2	0.001645	327.6	5.333
B	11	2	H2	-0.861947		1736.783
Na	23	1	He	698.730106	4.9	966275.143
Mg	24	1	He	1240.045915	5.5	942642.043
Al	27	1	He	19.879605	10.5	8329.247
Si	28	2	H2	312.207137	5.8	1027785.730
K	39	1	He	92.275312	6.5	196458.293
Ca	43	1	He	2480.995174	5.6	8609.527
Ca	44	1	He	2537.487376	4.5	147510.267
Ti	47	1	He	0.416503	6.7	157.333
V	51	1	He	0.077092	42.7	-583.037
Cr	52	1	He	0.129924	9.2	1767.427
Mn	55	1	He	2.022208	6.5	16749.777
Fe	56	1	He	13.805613	6.2	145126.013
Co	59	1	He	0.006103	16.4	166.667
Ni	60	1	He	-0.086665		298.000
Cu	63	1	He	0.046161	15.8	670.013
Zn	66	1	He	0.311397	2.8	779.353
As	75	1	He	0.033492	45.4	246.667
Se	78	2	H2	0.305848	3.9	269.000
Sr	88	1	He	12.705058	5.3	185708.337
Mo	95	1	He	0.039693	15.4	256.670
Pd	105	1	He	0.002792	147.8	53.333
Ag	107	1	He	1.755911	79.5	33726.877
Cd	111	1	He	0.000683	203.5	4.923
Sn	118	1	He	0.225009	3.3	2223.500
Sb	121	1	He	0.003330	8.3	111.667
Ba	138	1	He	2.212669	4.3	67646.513
Pt	195	1	He	0.003680	82.3	113.333
Hg	202	1	He	0.002238	38.2	73.333
Tl	205	1	He	-0.006738		315.010
Pb	206	1	He	0.040315	16.8	641.687
Pb	207	1	He	0.018717	27.3	978.370
Pb	208	1	He	0.032935	2.4	2825.113
Bi	209	1	He	-0.003391		1096.737
Th	232	1	He	0.005331	10.2	376.677
U	238	1	He	0.039760	5.7	2603.580

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.99760491	754576.437
Sc	45	2	H2	70.50706947	4725504.833
Ge	72	1	He	67.91565565	459885.060
Ge	72	2	H2	71.31757994	1293596.420
In	115	1	He	72.56838155	5289794.867
Tb	159	1	He	75.63751488	12247392.317
Ir	193	1	He	74.83872550	5850309.290

Sample Name	10607799011_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	291SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:35:20
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.602739	1.6	2637.853
Be	9	2	H2	0.007807	23.6	8.333
B	11	2	H2	10.330673	6.8	7368.257
Na	23	1	He	6501.312004	0.7	9012441.117
Mg	24	1	He	29699.83084	0.8	22840042.993
Al	27	1	He	20.292505	3.5	8630.353
Si	28	2	H2	5790.827859	5.5	18902366.667
K	39	1	He	1109.822363	0.8	1364444.403
Ca	43	1	He	44772.65562	0.4	157460.800
Ca	44	1	He	45954.43125	1.0	2706402.507
Ti	47	1	He	0.341416	18.5	131.333
V	51	1	He	1.256136	14.9	9938.773
Cr	52	1	He	2.141514	1.1	23270.230
Mn	55	1	He	0.925371	2.6	8143.850
Fe	56	1	He	20.640067	1.0	213907.453
Co	59	1	He	0.027678	9.8	500.677
Ni	60	1	He	0.306861	10.0	1782.763
Cu	63	1	He	0.278286	3.9	2932.253
Zn	66	1	He	11.817788	2.8	23822.473
As	75	1	He	0.233827	2.5	578.010
Se	78	2	H2	0.167623	12.0	151.000
Sr	88	1	He	110.840279	1.0	1611188.620
Mo	95	1	He	0.682397	3.1	4158.870
Pd	105	1	He	0.018356	41.6	196.673
Ag	107	1	He	1.429979	78.1	27099.047
Cd	111	1	He	0.025947	23.6	93.750
Sn	118	1	He	0.202270	10.0	1998.470
Sb	121	1	He	5.875629	0.6	70909.397
Ba	138	1	He	43.692511	1.0	1359298.313
Pt	195	1	He	0.014229	54.4	236.673
Hg	202	1	He	0.006527	133.5	100.000
Tl	205	1	He	0.019529	15.2	1431.750
Pb	206	1	He	0.079064	2.7	1211.723
Pb	207	1	He	0.064680	16.1	1546.757
Pb	208	1	He	0.076287	2.3	5333.717
Bi	209	1	He	0.000984	330.3	1310.080
Th	232	1	He	0.011332	13.5	755.027
U	238	1	He	1.241322	0.9	79726.967

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.88091948	764236.603
Sc	45	2	H2	70.49475008	4724679.167
Ge	72	1	He	68.50820687	463897.470
Ge	72	2	H2	70.29044333	1274965.667
In	115	1	He	72.12804798	5257697.220
Tb	159	1	He	77.02332963	12471786.480
Ir	193	1	He	75.28353130	5885080.747

Sample Name	10607799011_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	292SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:38:55
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.223332	8.4	181.167
Be	9	2	H2	0.001785	265.7	5.667
B	11	2	H2	-1.340754		1556.763
Na	23	1	He	323.235353	1.2	478715.473
Mg	24	1	He	1484.885241	1.8	1190716.887
Al	27	1	He	2.285687	7.4	1177.040
Si	28	2	H2	289.205102	6.6	990846.750
K	39	1	He	77.000685	1.2	189022.143
Ca	43	1	He	2216.241054	1.7	8117.477
Ca	44	1	He	2285.100320	0.7	140164.053
Ti	47	1	He	0.009103	96.4	6.000
V	51	1	He	-0.016827		-1481.323
Cr	52	1	He	0.113602	3.4	1684.753
Mn	55	1	He	-0.002585		686.017
Fe	56	1	He	1.793972	2.1	31164.100
Co	59	1	He	-0.000408		71.333
Ni	60	1	He	-0.122107		174.000
Cu	63	1	He	0.013286	16.5	375.343
Zn	66	1	He	0.531428	9.6	1283.383
As	75	1	He	0.016152	84.4	231.167
Se	78	2	H2	0.013210	38.2	24.667
Sr	88	1	He	5.223814	2.4	80684.197
Mo	95	1	He	0.035508	21.2	243.337
Pd	105	1	He	0.002896	106.0	56.667
Ag	107	1	He	1.299508	78.7	26247.783
Cd	111	1	He	0.003321	70.1	14.927
Sn	118	1	He	0.109267	12.0	1208.393
Sb	121	1	He	0.282542	0.9	3687.107
Ba	138	1	He	2.179181	0.2	70335.883
Pt	195	1	He	0.005193	61.7	136.667
Hg	202	1	He	0.003256	131.6	83.333
Tl	205	1	He	-0.010147		183.333
Pb	206	1	He	0.003463	24.7	130.000
Pb	207	1	He	-0.002894		761.690
Pb	208	1	He	0.002519	51.5	1195.030
Bi	209	1	He	-0.005784		1043.390
Th	232	1	He	0.001165	50.3	123.333
U	238	1	He	0.059819	4.3	4117.257

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.71130437	795190.457
Sc	45	2	H2	73.32772238	4914549.833
Ge	72	1	He	71.72937774	485709.353
Ge	72	2	H2	73.57127132	1334475.080
In	115	1	He	76.48183427	5575061.833
Tb	159	1	He	79.76831054	12916259.810
Ir	193	1	He	79.31488931	6200220.950

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	293_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:42:30
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	76.327694	4.7	42594.267
Be	9	2	H2	75.300561	4.0	35798.413
B	11	2	H2	73.057887	2.5	38630.500
Na	23	1	He	2013.033218	1.2	2781044.127
Mg	24	1	He	2000.195092	1.8	1530510.083
Al	27	1	He	1938.246033	1.0	802144.190
Si	28	2	H2	938.312603	5.1	3039823.083
K	39	1	He	2049.430829	1.0	2424593.350
Ca	43	1	He	1956.939355	0.9	6844.833
Ca	44	1	He	1958.642012	0.6	114731.163
Ti	47	1	He	75.647117	1.8	28376.033
V	51	1	He	80.243325	0.8	710829.287
Cr	52	1	He	80.311823	1.2	852306.543
Mn	55	1	He	82.077531	0.8	658435.310
Fe	56	1	He	1016.774686	1.5	9872714.667
Co	59	1	He	80.568760	1.1	1263002.207
Ni	60	1	He	81.245910	0.6	312358.657
Cu	63	1	He	83.121216	0.4	822116.480
Zn	66	1	He	79.641420	0.2	162477.640
As	75	1	He	77.617163	0.3	129772.847
Se	78	2	H2	75.185875	0.4	62759.393
Sr	88	1	He	73.242741	0.4	1073435.557
Mo	95	1	He	80.585861	1.0	497878.887
Pd	105	1	He	75.860086	1.9	709540.877
Ag	107	1	He	39.480707	5.9	736426.943
Cd	111	1	He	75.370882	0.6	267431.690
Sn	118	1	He	75.881321	1.7	707017.077
Sb	121	1	He	72.925973	2.0	886424.520
Ba	138	1	He	77.707825	1.3	2406195.743
Pt	195	1	He	76.563083	0.5	882271.520
Hg	202	1	He	3.542494	1.6	20646.837
Tl	205	1	He	39.854713	0.3	1678433.253
Pb	206	1	He	78.719429	1.5	1125640.453
Pb	207	1	He	81.718250	0.7	976389.570
Pb	208	1	He	80.440945	0.9	4537192.437
Bi	209	1	He	83.623742	0.3	3711768.590
Th	232	1	He	77.756965	1.1	4964524.510
U	238	1	He	75.236138	1.2	4913478.780

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.42798291	759283.167
Sc	45	2	H2	69.81794706	4679318.667
Ge	72	1	He	69.72470060	472134.853
Ge	72	2	H2	71.08881946	1289447.040
In	115	1	He	72.71879233	5300758.900
Tb	159	1	He	76.66219939	12413311.480
Ir	193	1	He	76.61749837	5989359.913

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	294_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:46:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.014514	193.7	55.167
Be	9	2	H2	0.021494	28.0	14.500
B	11	2	H2	-1.369698		1443.420
Na	23	1	He	2.501525	8.9	15650.050
Mg	24	1	He	-2.055985		913.367
Al	27	1	He	1.099812	5.4	620.343
Si	28	2	H2	-0.065922		8516.013
K	39	1	He	25.557065	2.2	119471.350
Ca	43	1	He	1.875299	63.5	13.780
Ca	44	1	He	0.875622	24.8	179.173
Ti	47	1	He	0.026486	54.2	12.000
V	51	1	He	-0.068018		-1830.920
Cr	52	1	He	-0.002121		373.340
Mn	55	1	He	-0.056295		220.000
Fe	56	1	He	0.114735	15.3	13197.507
Co	59	1	He	0.002852	52.5	116.667
Ni	60	1	He	-0.141837		90.667
Cu	63	1	He	-0.002861		198.667
Zn	66	1	He	0.017349	100.0	194.000
As	75	1	He	-0.003511		186.000
Se	78	2	H2	0.011058	68.5	21.333
Sr	88	1	He	0.006272	28.6	260.007
Mo	95	1	He	0.035623	13.3	230.000
Pd	105	1	He	0.005433	23.2	76.667
Ag	107	1	He	0.426531	4.1	8535.500
Cd	111	1	He	0.001674	177.6	8.263
Sn	118	1	He	0.018856	22.8	303.343
Sb	121	1	He	0.012552	29.8	221.670
Ba	138	1	He	0.006660	20.6	320.010
Pt	195	1	He	0.007489	32.1	153.340
Hg	202	1	He	0.032556	22.9	243.343
Tl	205	1	He	0.044811	29.5	2416.887
Pb	206	1	He	0.008889	24.1	196.667
Pb	207	1	He	0.003469	256.2	785.027
Pb	208	1	He	0.007333	39.0	1380.037
Bi	209	1	He	0.001914	150.9	1306.750
Th	232	1	He	0.011433	11.9	756.693
U	238	1	He	0.005069	9.1	391.677

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.01468660	743826.977
Sc	45	2	H2	68.48983774	4590306.500
Ge	72	1	He	67.52553283	457243.377
Ge	72	2	H2	68.84191804	1248691.540
In	115	1	He	71.93605432	5243702.047
Tb	159	1	He	74.54204278	12070011.070
Ir	193	1	He	74.79618848	5846984.077

Sample Name	4322453_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	295SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:49:40
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	106.458713	4.4	60107.250
Be	9	2	H2	103.399947	4.0	49750.987
B	11	2	H2	110.358433	5.2	57977.210
Na	23	1	He	8855.198497	1.1	12258088.153
Mg	24	1	He	32791.24998	1.3	25190811.290
Al	27	1	He	2138.626267	0.7	889928.627
Si	28	2	H2	6492.142410	5.9	21237848.667
K	39	1	He	3364.814525	0.7	3942751.610
Ca	43	1	He	49260.80388	0.8	173064.493
Ca	44	1	He	49870.21469	2.1	2933815.373
Ti	47	1	He	102.966527	1.1	38837.200
V	51	1	He	112.831440	1.1	1005497.007
Cr	52	1	He	112.030305	1.0	1195266.960
Mn	55	1	He	109.611157	1.1	883903.417
Fe	56	1	He	2218.364133	1.4	21643456.667
Co	59	1	He	111.072871	0.9	1721277.377
Ni	60	1	He	108.807097	0.9	413332.780
Cu	63	1	He	110.140803	0.5	1076839.373
Zn	66	1	He	119.813611	0.1	241559.680
As	75	1	He	107.207950	0.4	177126.117
Se	78	2	H2	101.989409	0.7	86031.267
Sr	88	1	He	222.334466	1.4	3158704.537
Mo	95	1	He	112.718725	0.7	688480.277
Pd	105	1	He	20.011857	1.3	181497.420
Ag	107	1	He	49.110184	4.7	888268.347
Cd	111	1	He	103.691869	0.5	356709.740
Sn	118	1	He	103.774172	0.9	937397.460
Sb	121	1	He	108.973968	0.2	1284240.320
Ba	138	1	He	153.980573	1.2	4750432.323
Pt	195	1	He	20.466523	1.3	235026.903
Hg	202	1	He	0.029174	17.6	230.010
Tl	205	1	He	109.515055	2.0	4593875.350
Pb	206	1	He	109.613138	1.5	1561572.113
Pb	207	1	He	107.693276	0.6	1281849.250
Pb	208	1	He	108.562535	0.6	6100561.943
Bi	209	1	He	109.582769	1.2	4845628.470
Th	232	1	He	112.184693	1.3	6973771.150
U	238	1	He	108.095785	1.1	6873295.313

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	69.81062586	763467.853
Sc	45	2	H2	70.64531322	4734770.167
Ge	72	1	He	68.92875662	466745.187
Ge	72	2	H2	71.84712657	1303201.620
In	115	1	He	70.50051591	5139060.003
Tb	159	1	He	76.38353160	12368188.980
Ir	193	1	He	74.59616273	5831347.620

Sample Name	10607799012_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	296SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:53:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	8.849162	2.7	4867.800
Be	9	2	H2	0.068259	7.1	36.167
B	11	2	H2	15.827409	13.6	9852.887
Na	23	1	He	5683.465415	0.8	7923888.633
Mg	24	1	He	56654.65032	1.1	43808906.017
Al	27	1	He	607.019617	1.6	254388.363
Si	28	2	H2	7789.976432	6.4	24628419.333
K	39	1	He	1913.050948	1.3	2296935.800
Ca	43	1	He	133986.3080	1.1	473812.370
Ca	44	1	He	136656.9793	1.7	8092845.647
Ti	47	1	He	5.665691	20.6	2152.347
V	51	1	He	1.152674	3.6	9072.900
Cr	52	1	He	1.220460	2.4	13511.727
Mn	55	1	He	591.829171	1.5	4801078.500
Fe	56	1	He	1045.494405	1.1	10274500.333
Co	59	1	He	0.688393	1.6	10677.190
Ni	60	1	He	9.390459	1.9	36027.860
Cu	63	1	He	0.848605	0.9	8473.353
Zn	66	1	He	8.899981	1.4	17983.697
As	75	1	He	3.052577	1.1	5201.427
Se	78	2	H2	3.881724	2.9	3143.950
Sr	88	1	He	167.372612	2.3	2416306.057
Mo	95	1	He	5.453155	1.3	33119.783
Pd	105	1	He	0.035118	18.8	350.013
Ag	107	1	He	1.246569	67.7	23531.173
Cd	111	1	He	0.021286	27.7	76.730
Sn	118	1	He	0.289605	4.6	2786.920
Sb	121	1	He	0.636981	5.1	7698.463
Ba	138	1	He	17.940782	0.7	565125.527
Pt	195	1	He	0.009143	58.3	180.003
Hg	202	1	He	0.010313	8.3	123.333
Tl	205	1	He	0.057968	2.0	3095.327
Pb	206	1	He	0.814472	3.2	11919.530
Pb	207	1	He	0.777333	5.3	10216.690
Pb	208	1	He	0.787960	1.8	46212.853
Bi	209	1	He	0.017621	31.0	2076.847
Th	232	1	He	0.269744	2.3	16932.603
U	238	1	He	0.341410	0.7	21933.837

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.26482368	768435.083
Sc	45	2	H2	68.24521305	4573911.333
Ge	72	1	He	68.50318823	463863.487
Ge	72	2	H2	68.72931487	1246649.083
In	115	1	He	71.63293354	5221606.380
Tb	159	1	He	77.96955825	12625001.893
Ir	193	1	He	75.12981885	5873064.703

Sample Name	10607799012_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	297SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 03:56:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.437002	11.0	302.500
Be	9	2	H2	0.012306	55.5	10.667
B	11	2	H2	-0.792694		1823.467
Na	23	1	He	287.031330	0.9	418432.440
Mg	24	1	He	2909.529040	1.6	2286114.497
Al	27	1	He	31.698688	1.2	13657.760
Si	28	2	H2	408.012714	5.3	1374816.833
K	39	1	He	115.213393	2.6	230080.557
Ca	43	1	He	6686.082372	1.5	24006.697
Ca	44	1	He	6917.149395	1.0	415933.140
Ti	47	1	He	0.179080	24.1	71.333
V	51	1	He	-0.026923		-1544.937
Cr	52	1	He	0.073225	4.6	1212.713
Mn	55	1	He	29.562048	1.1	244080.523
Fe	56	1	He	53.428575	1.5	545005.063
Co	59	1	He	0.034078	5.4	618.013
Ni	60	1	He	0.343861	10.8	1982.780
Cu	63	1	He	0.048336	8.3	720.687
Zn	66	1	He	0.517655	7.2	1236.047
As	75	1	He	0.160232	1.6	471.510
Se	78	2	H2	0.177505	4.3	164.000
Sr	88	1	He	7.885250	0.4	120051.373
Mo	95	1	He	0.262390	4.4	1660.100
Pd	105	1	He	0.007819	81.5	103.337
Ag	107	1	He	1.025166	85.3	20472.023
Cd	111	1	He	0.002358	67.1	11.170
Sn	118	1	He	0.127030	4.1	1363.400
Sb	121	1	He	0.033353	17.4	495.010
Ba	138	1	He	0.932122	8.1	29871.437
Pt	195	1	He	0.005568	79.7	140.000
Hg	202	1	He	0.003323	223.5	83.333
Tl	205	1	He	0.000450	361.9	641.687
Pb	206	1	He	0.040633	11.1	676.687
Pb	207	1	He	0.042095	6.3	1308.400
Pb	208	1	He	0.043013	2.2	3538.510
Bi	209	1	He	0.001502	197.0	1366.753
Th	232	1	He	0.016798	10.1	1141.720
U	238	1	He	0.016228	11.4	1155.060

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.32680581	780049.207
Sc	45	2	H2	72.33035660	4847704.667
Ge	72	1	He	70.63884243	478324.887
Ge	72	2	H2	72.41729426	1313543.627
In	115	1	He	75.43988974	5499110.397
Tb	159	1	He	79.03541482	12797587.727
Ir	193	1	He	78.30365517	6121170.533

Sample Name	10607799013_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	298SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:00:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	10.351842	6.9	5738.547
Be	9	2	H2	0.261255	14.3	127.167
B	11	2	H2	32.673867	8.7	18212.557
Na	23	1	He	13244.70325	0.7	17914740.567
Mg	24	1	He	47095.85877	1.1	35363636.973
Al	27	1	He	3798.368552	1.1	1544771.667
Si	28	2	H2	11836.27793	6.8	37715401.333
K	39	1	He	3598.828408	0.8	4115298.377
Ca	43	1	He	43687.86657	0.7	150020.367
Ca	44	1	He	44651.07233	0.8	2567632.467
Ti	47	1	He	19.039980	9.4	7021.467
V	51	1	He	6.076903	1.2	51757.107
Cr	52	1	He	5.948381	1.3	62406.607
Mn	55	1	He	1287.430961	0.8	10140386.667
Fe	56	1	He	16375.19866	1.5	156085861.333
Co	59	1	He	3.230314	1.4	48706.757
Ni	60	1	He	7.236846	1.5	27280.607
Cu	63	1	He	3.023194	0.9	28934.563
Zn	66	1	He	109.126025	1.0	213765.133
As	75	1	He	0.832523	1.9	1524.900
Se	78	2	H2	0.129374	13.3	117.333
Sr	88	1	He	83.085476	0.3	1174309.593
Mo	95	1	He	0.334293	6.1	2000.133
Pd	105	1	He	0.034084	15.9	333.343
Ag	107	1	He	1.873702	82.7	34354.117
Cd	111	1	He	0.109212	4.7	376.077
Sn	118	1	He	2.248189	1.4	20325.493
Sb	121	1	He	0.496749	4.8	5892.743
Ba	138	1	He	33.043619	0.8	1030439.673
Pt	195	1	He	0.000967	313.4	83.333
Hg	202	1	He	0.015086	52.1	150.003
Tl	205	1	He	0.077292	3.8	3883.843
Pb	206	1	He	3.045512	1.2	43926.823
Pb	207	1	He	2.951348	1.8	36254.423
Pb	208	1	He	2.999749	1.2	171359.497
Bi	209	1	He	0.045179	8.3	3287.063
Th	232	1	He	1.309093	1.0	82386.333
U	238	1	He	0.171166	2.9	11082.360

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.23182553	746201.667
Sc	45	2	H2	68.79965772	4611071.167
Ge	72	1	He	66.96745742	453464.417
Ge	72	2	H2	69.01547800	1251839.663
In	115	1	He	70.12865036	5111953.260
Tb	159	1	He	77.19832878	12500122.727
Ir	193	1	He	75.47854675	5900325.537

Sample Name	10607799013_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	299SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:03:58
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.540492	11.2	359.833
Be	9	2	H2	0.020880	16.9	14.833
B	11	2	H2	0.044732	432.3	2236.857
Na	23	1	He	663.051406	0.9	971075.373
Mg	24	1	He	2418.433533	1.5	1943397.523
Al	27	1	He	193.316127	1.8	84207.007
Si	28	2	H2	633.850251	6.3	2115919.000
K	39	1	He	202.246703	2.3	339265.660
Ca	43	1	He	2198.492764	0.9	8076.670
Ca	44	1	He	2273.746635	1.1	139883.890
Ti	47	1	He	0.889142	13.8	352.673
V	51	1	He	0.327700	7.2	1725.903
Cr	52	1	He	0.298115	4.0	3745.733
Mn	55	1	He	65.280516	1.1	550248.663
Fe	56	1	He	843.815909	1.6	8608894.667
Co	59	1	He	0.167644	3.2	2797.560
Ni	60	1	He	0.241689	8.9	1619.413
Cu	63	1	He	0.348769	3.1	3809.753
Zn	66	1	He	5.751629	2.2	12300.240
As	75	1	He	0.023556	19.6	245.500
Se	78	2	H2	0.005744	51.2	18.000
Sr	88	1	He	4.030216	2.1	62890.367
Mo	95	1	He	0.020905	22.8	151.667
Pd	105	1	He	-0.000168		26.667
Ag	107	1	He	1.086664	74.9	22183.327
Cd	111	1	He	0.009044	22.9	36.620
Sn	118	1	He	0.228213	4.5	2396.860
Sb	121	1	He	0.028840	18.4	448.343
Ba	138	1	He	1.698868	1.0	56091.350
Pt	195	1	He	0.001673	58.3	96.667
Hg	202	1	He	0.003469	28.4	86.667
Tl	205	1	He	-0.003682		476.677
Pb	206	1	He	0.161591	4.7	2538.563
Pb	207	1	He	0.151922	1.2	2745.263
Pb	208	1	He	0.157320	1.9	10509.723
Bi	209	1	He	-0.000637		1310.087
Th	232	1	He	0.061863	4.2	4187.273
U	238	1	He	0.008538	18.9	658.357

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.92971765	797579.083
Sc	45	2	H2	71.78816915	4811366.333
Ge	72	1	He	72.14973403	488555.760
Ge	72	2	H2	72.54458293	1315852.457
In	115	1	He	77.21782582	5628711.153
Tb	159	1	He	81.55754174	13205976.050
Ir	193	1	He	80.31987386	6278782.823

Sample Name	10607799014_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	300SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:07:32
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	4.242471	6.4	2432.823
Be	9	2	H2	0.116634	6.3	60.333
B	11	2	H2	15.094070	10.5	9779.413
Na	23	1	He	9135.706658	1.4	12941547.310
Mg	24	1	He	41684.22928	1.9	32769834.513
Al	27	1	He	1072.816036	1.6	456935.013
Si	28	2	H2	8667.976593	7.1	28247217.333
K	39	1	He	1973.188439	1.6	2405610.170
Ca	43	1	He	103830.9532	1.0	373305.133
Ca	44	1	He	105183.7082	1.7	6332627.327
Ti	47	1	He	8.147355	7.6	3148.307
V	51	1	He	6.147609	2.3	54838.010
Cr	52	1	He	8.014659	1.5	87894.660
Mn	55	1	He	355.589473	1.3	2932970.000
Fe	56	1	He	1893.346217	1.4	18906592.000
Co	59	1	He	1.568501	3.7	24535.323
Ni	60	1	He	100.351640	1.6	383748.790
Cu	63	1	He	4.336589	2.5	42892.860
Zn	66	1	He	836.427530	2.8	1696037.040
As	75	1	He	11.351678	1.7	19052.463
Se	78	2	H2	3.901570	2.3	3257.970
Sr	88	1	He	148.096952	0.8	2177270.800
Mo	95	1	He	23.320549	1.6	143375.643
Pd	105	1	He	0.040132	12.5	403.347
Ag	107	1	He	1.588913	74.2	30342.177
Cd	111	1	He	0.138527	17.7	495.337
Sn	118	1	He	62.815157	0.4	587185.800
Sb	121	1	He	23.727850	0.9	289400.900
Ba	138	1	He	48.705307	1.4	1551785.343
Pt	195	1	He	0.014624	54.3	246.673
Hg	202	1	He	0.017350	39.8	166.667
Tl	205	1	He	2.256448	1.9	98372.957
Pb	206	1	He	2.367596	2.8	34908.167
Pb	207	1	He	2.253021	3.1	28463.760
Pb	208	1	He	2.281281	0.8	133401.243
Bi	209	1	He	0.021430	22.4	2273.557
Th	232	1	He	0.519231	2.1	33206.967
U	238	1	He	12.160916	0.9	794496.160

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	71.44403835	781331.293
Sc	45	2	H2	70.37331929	4716540.667
Ge	72	1	He	69.38814168	469855.873
Ge	72	2	H2	70.86741955	1285431.170
In	115	1	He	72.95067893	5317662.027
Tb	159	1	He	78.88150345	12772666.060
Ir	193	1	He	76.63845104	5990997.830

Sample Name	10607799014_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	301SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:11:05
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.216712	5.9	176.333
Be	9	2	H2	0.015708	51.1	12.500
B	11	2	H2	-0.922232		1763.453
Na	23	1	He	460.365276	0.9	685276.993
Mg	24	1	He	2155.795454	0.9	1750631.380
Al	27	1	He	56.777104	3.2	25125.013
Si	28	2	H2	464.668703	6.4	1577147.417
K	39	1	He	120.896088	0.5	244549.503
Ca	43	1	He	5217.822400	0.3	19356.143
Ca	44	1	He	5408.150471	0.7	335968.610
Ti	47	1	He	0.553356	22.7	222.677
V	51	1	He	0.324833	23.7	1718.553
Cr	52	1	He	0.417993	0.9	5134.090
Mn	55	1	He	17.958194	0.6	153452.057
Fe	56	1	He	97.276337	0.4	1014339.043
Co	59	1	He	0.077325	3.1	1347.390
Ni	60	1	He	5.049633	1.1	20937.487
Cu	63	1	He	0.222460	2.1	2545.527
Zn	66	1	He	41.998294	1.2	89729.230
As	75	1	He	0.574557	2.6	1210.540
Se	78	2	H2	0.206623	8.3	193.333
Sr	88	1	He	7.126944	0.7	111422.043
Mo	95	1	He	1.168073	3.4	7568.363
Pd	105	1	He	0.004511	46.7	73.333
Ag	107	1	He	1.029605	76.3	21089.963
Cd	111	1	He	0.005308	99.2	22.730
Sn	118	1	He	3.576096	0.9	35623.717
Sb	121	1	He	1.171730	3.5	15246.900
Ba	138	1	He	2.391614	1.0	78188.313
Pt	195	1	He	0.002832	115.1	110.000
Hg	202	1	He	-0.000219		63.333
Tl	205	1	He	0.118810	1.2	5907.823
Pb	206	1	He	0.125486	8.4	1970.143
Pb	207	1	He	0.109799	6.5	2190.180
Pb	208	1	He	0.116898	5.6	8009.163
Bi	209	1	He	0.001129	132.7	1380.090
Th	232	1	He	0.026929	4.0	1825.127
U	238	1	He	0.598143	1.1	40487.513

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	73.68161570	805802.043
Sc	45	2	H2	72.94040513	4888591.167
Ge	72	1	He	72.94972394	493972.823
Ge	72	2	H2	74.19113726	1345718.540
In	115	1	He	77.45407424	5645932.230
Tb	159	1	He	80.80814634	13084632.303
Ir	193	1	He	79.26577761	6196381.780

Sample Name	10607799015_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	302SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:14:37
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	9.113027	3.7	4855.963
Be	9	2	H2	0.027460	10.7	16.667
B	11	2	H2	5.935166	4.5	4844.050
Na	23	1	He	11812.40735	1.9	15935957.680
Mg	24	1	He	69751.36013	2.1	52232589.223
Al	27	1	He	37.608614	3.3	15426.440
Si	28	2	H2	330.039123	5.8	1018513.333
K	39	1	He	2346.948404	1.5	2708364.853
Ca	43	1	He	213012.2580	1.5	729499.677
Ca	44	1	He	217340.8174	1.5	12464598.343
Ti	47	1	He	0.840853	8.0	311.333
V	51	1	He	0.300842	16.9	1378.387
Cr	52	1	He	1.092310	1.8	11752.493
Mn	55	1	He	3907.866364	1.9	30697014.667
Fe	56	1	He	35579.02471	1.8	338213749.333
Co	59	1	He	0.583385	1.1	8738.803
Ni	60	1	He	1.083701	3.5	4544.587
Cu	63	1	He	0.585413	4.6	5705.593
Zn	66	1	He	3.220990	1.6	6378.483
As	75	1	He	0.282696	8.7	634.843
Se	78	2	H2	0.083391	2.7	78.667
Sr	88	1	He	469.736362	1.6	6685247.817
Mo	95	1	He	0.437990	7.4	2580.223
Pd	105	1	He	0.064294	9.4	610.027
Ag	107	1	He	1.823632	83.3	33770.007
Cd	111	1	He	0.109825	6.8	380.903
Sn	118	1	He	0.217159	3.5	2091.820
Sb	121	1	He	0.032251	12.4	450.010
Ba	138	1	He	19.087911	0.7	588384.197
Pt	195	1	He	0.008916	31.5	173.337
Hg	202	1	He	0.007840	177.5	106.670
Tl	205	1	He	0.009633	29.4	1003.377
Pb	206	1	He	0.146030	2.1	2153.503
Pb	207	1	He	0.122817	8.5	2223.507
Pb	208	1	He	0.139304	2.7	8822.687
Bi	209	1	He	0.003859	49.3	1423.427
Th	232	1	He	0.026662	2.8	1690.113
U	238	1	He	0.036862	3.5	2396.877

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.05465117	744264.040
Sc	45	2	H2	66.11609968	4431214.500
Ge	72	1	He	66.08553189	447492.533
Ge	72	2	H2	67.84276091	1230568.293
In	115	1	He	70.62752831	5148318.437
Tb	159	1	He	76.30714203	12355819.813
Ir	193	1	He	74.12489562	5794507.623

Sample Name	10607799015_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	303SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:18:13
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.486551	5.9	336.667
Be	9	2	H2	0.006732	39.4	8.167
B	11	2	H2	-1.596580		1430.083
Na	23	1	He	591.073314	1.5	861307.880
Mg	24	1	He	3593.206546	1.7	2866909.437
Al	27	1	He	3.035970	7.1	1496.397
Si	28	2	H2	18.034868	7.8	70820.433
K	39	1	He	136.231365	1.2	258649.363
Ca	43	1	He	10696.15977	0.9	39003.717
Ca	44	1	He	11036.37574	1.1	673933.840
Ti	47	1	He	0.043275	18.8	19.333
V	51	1	He	0.061596	90.4	-748.460
Cr	52	1	He	0.083786	10.0	1348.053
Mn	55	1	He	202.811604	1.3	1696668.750
Fe	56	1	He	1845.017584	1.9	18682788.667
Co	59	1	He	0.028113	10.5	531.343
Ni	60	1	He	-0.077736		349.337
Cu	63	1	He	0.498695	1.9	5313.470
Zn	66	1	He	0.159779	24.2	504.677
As	75	1	He	-0.016253		175.667
Se	78	2	H2	0.008995	106.1	21.000
Sr	88	1	He	22.591040	0.7	352129.263
Mo	95	1	He	0.020545	45.1	148.333
Pd	105	1	He	0.006513	63.2	93.333
Ag	107	1	He	1.529125	77.6	31130.597
Cd	111	1	He	0.006826	124.8	28.290
Sn	118	1	He	0.201722	10.8	2136.833
Sb	121	1	He	0.004300	48.4	131.667
Ba	138	1	He	0.968159	0.9	31898.550
Pt	195	1	He	0.002537	97.2	106.667
Hg	202	1	He	0.000866	693.7	70.000
Tl	205	1	He	-0.006330		356.673
Pb	206	1	He	0.008014	25.2	201.667
Pb	207	1	He	0.003637	90.4	858.363
Pb	208	1	He	0.006650	19.3	1465.040
Bi	209	1	He	-0.002089		1236.743
Th	232	1	He	0.001472	45.0	145.000
U	238	1	He	0.002344	23.4	233.340

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	72.44847130	792316.043
Sc	45	2	H2	73.62350462	4934373.667
Ge	72	1	He	71.73580968	485752.907
Ge	72	2	H2	73.62320275	1335417.040
In	115	1	He	77.31268959	5635626.147
Tb	159	1	He	81.24556324	13155459.807
Ir	193	1	He	80.02117175	6255432.617

Sample Name	CCV
Sample Type	CCV
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	304_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:21:49
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	73.072408	5.0	42047.207
Be	9	2	H2	72.116965	4.5	35351.410
B	11	2	H2	68.771709	3.9	37635.073
Na	23	1	He	2036.980966	4.8	2763846.833
Mg	24	1	He	2026.488835	5.3	1522768.673
Al	27	1	He	1962.988385	4.9	797879.627
Si	28	2	H2	919.514470	5.3	3071653.167
K	39	1	He	2073.485272	5.3	2407971.217
Ca	43	1	He	1983.822952	2.9	6819.010
Ca	44	1	He	1975.656560	4.6	113670.733
Ti	47	1	He	77.125839	5.2	28412.103
V	51	1	He	82.321578	4.7	716266.760
Cr	52	1	He	82.475747	4.7	859663.750
Mn	55	1	He	83.221627	4.9	655664.687
Fe	56	1	He	1042.574611	5.5	9940345.667
Co	59	1	He	82.578708	4.6	1272896.707
Ni	60	1	He	82.696494	4.9	312573.753
Cu	63	1	He	84.926964	5.2	825746.190
Zn	66	1	He	81.290946	5.6	163005.230
As	75	1	He	78.905614	5.2	129686.820
Se	78	2	H2	74.414744	0.6	64023.553
Sr	88	1	He	74.724551	4.8	1076871.990
Mo	95	1	He	82.792501	5.5	502813.170
Pd	105	1	He	78.276676	5.2	719818.923
Ag	107	1	He	41.167759	1.8	756721.943
Cd	111	1	He	76.594572	5.3	267190.480
Sn	118	1	He	77.556024	5.5	710397.023
Sb	121	1	He	74.640714	5.5	891947.250
Ba	138	1	He	78.966342	5.5	2433333.450
Pt	195	1	He	77.765177	4.0	892175.793
Hg	202	1	He	3.504346	7.7	20319.990
Tl	205	1	He	40.596372	4.4	1701927.057
Pb	206	1	He	80.000762	4.5	1138745.843
Pb	207	1	He	83.634328	4.4	994739.073
Pb	208	1	He	82.200240	4.5	4615251.233
Bi	209	1	He	84.970460	5.1	3753761.197
Th	232	1	He	79.474955	4.9	5010802.217
U	238	1	He	77.340950	4.8	4987787.740

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	68.28876329	746824.353
Sc	45	2	H2	72.00184368	4825687.167
Ge	72	1	He	68.66645889	464969.060
Ge	72	2	H2	73.27340640	1329072.247
In	115	1	He	71.62280041	5220867.737
Tb	159	1	He	76.41937445	12373992.733
Ir	193	1	He	75.75553398	5921978.243

Sample Name	CCB
Sample Type	CCB
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	305_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:25:23
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.014326	22.7	57.667
Be	9	2	H2	0.021149	24.7	15.000
B	11	2	H2	-1.292820		1550.097
Na	23	1	He	0.775304	20.9	13858.623
Mg	24	1	He	-1.874288		1091.710
Al	27	1	He	1.323367	20.4	740.033
Si	28	2	H2	0.595386	147.6	11085.667
K	39	1	He	23.455987	2.6	121827.000
Ca	43	1	He	3.819352	67.7	21.293
Ca	44	1	He	1.410698	88.3	217.950
Ti	47	1	He	0.014754	34.6	8.000
V	51	1	He	-0.033817		-1593.827
Cr	52	1	He	0.000520	620.8	416.673
Mn	55	1	He	-0.011996		590.677
Fe	56	1	He	0.423258	3.2	16775.803
Co	59	1	He	0.005490	16.4	163.333
Ni	60	1	He	-0.134413		123.333
Cu	63	1	He	0.005451	43.0	290.000
Zn	66	1	He	0.050596	61.3	270.667
As	75	1	He	-0.007010		188.000
Se	78	2	H2	0.015399	73.7	26.000
Sr	88	1	He	0.010533	43.4	336.673
Mo	95	1	He	0.042304	26.0	281.673
Pd	105	1	He	0.011279	50.9	136.670
Ag	107	1	He	2.277384	69.3	44681.407
Cd	111	1	He	0.012916	18.4	49.913
Sn	118	1	He	0.069287	13.9	803.363
Sb	121	1	He	0.016388	24.9	280.007
Ba	138	1	He	0.010235	19.7	450.010
Pt	195	1	He	0.009869	59.0	190.007
Hg	202	1	He	0.024163	44.4	206.673
Tl	205	1	He	0.048680	13.9	2711.927
Pb	206	1	He	0.014874	24.5	295.007
Pb	207	1	He	0.002474	374.6	815.030
Pb	208	1	He	0.009341	40.5	1570.050
Bi	209	1	He	0.007653	68.0	1636.787
Th	232	1	He	0.012449	26.3	865.033
U	238	1	He	0.009178	22.8	690.023

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.74022952	773634.250
Sc	45	2	H2	71.84594396	4815238.500
Ge	72	1	He	70.37987980	476571.343
Ge	72	2	H2	72.22698341	1310091.667
In	115	1	He	75.24388866	5484823.107
Tb	159	1	He	78.42328697	12698470.643
Ir	193	1	He	78.96660914	6172995.117

Sample Name	10607799016_B70203Dx1
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	306SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:28:57
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	10.005556	4.6	5901.093
Be	9	2	H2	0.030570	11.8	20.000
B	11	2	H2	15.780234	9.3	10526.503
Na	23	1	He	7281.632565	2.8	10125420.890
Mg	24	1	He	20411.47520	2.9	15748651.847
Al	27	1	He	40.524485	2.9	17111.540
Si	28	2	H2	7021.675581	6.0	23817484.000
K	39	1	He	877.230549	3.6	1101554.880
Ca	43	1	He	47339.21565	3.0	167020.947
Ca	44	1	He	48363.15548	3.1	2857427.160
Ti	47	1	He	0.649364	14.8	248.670
V	51	1	He	0.562063	2.1	3759.843
Cr	52	1	He	0.622236	6.2	7079.720
Mn	55	1	He	4.418793	3.7	36437.217
Fe	56	1	He	47.643319	2.8	479050.313
Co	59	1	He	0.037528	4.6	654.017
Ni	60	1	He	0.232952	4.5	1508.070
Cu	63	1	He	0.342664	2.0	3565.700
Zn	66	1	He	4.990084	3.7	10172.243
As	75	1	He	0.568855	7.7	1128.873
Se	78	2	H2	0.584271	4.7	512.677
Sr	88	1	He	145.927958	4.0	2149263.510
Mo	95	1	He	0.149947	7.1	928.367
Pd	105	1	He	0.020912	8.0	223.340
Ag	107	1	He	2.057478	77.6	39380.823
Cd	111	1	He	0.040471	18.5	146.387
Sn	118	1	He	0.173355	7.4	1755.107
Sb	121	1	He	0.088697	9.8	1155.053
Ba	138	1	He	11.948750	5.4	374878.313
Pt	195	1	He	0.011650	82.2	206.673
Hg	202	1	He	0.008099	52.9	110.000
Tl	205	1	He	0.016142	6.0	1300.067
Pb	206	1	He	0.113145	5.9	1715.110
Pb	207	1	He	0.097290	17.6	1956.810
Pb	208	1	He	0.104659	4.0	7002.300
Bi	209	1	He	0.014452	20.2	1930.163
Th	232	1	He	0.017684	20.1	1160.053
U	238	1	He	0.254227	5.1	16535.550

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	70.13436695	767008.373
Sc	45	2	H2	73.26338254	4910237.667
Ge	72	1	He	68.67458964	465024.117
Ge	72	2	H2	72.86469791	1321658.873
In	115	1	He	73.13852917	5331355.170
Tb	159	1	He	77.74329219	12588364.397
Ir	193	1	He	76.06522413	5946187.410

Sample Name	10607799016_B70203Dx20
Sample Type	Sample
Operator	P Wilkins
Instrument	10ICM8 - 200.8 6020 A/B
Batch Name	051722.b
Data File Name	307SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA
Acq. Date Time	5/18/2022 04:32:31
Comment	

Analytes

Name	Mass	Tune Step	Tune Mode	Conc.	Conc %RSD	Intensity
Li	7	2	H2	0.512395	7.9	357.833
Be	9	2	H2	0.009502	35.5	9.667
B	11	2	H2	-1.032676		1753.453
Na	23	1	He	355.800402	0.6	535340.277
Mg	24	1	He	999.383577	1.3	817069.987
Al	27	1	He	3.301397	2.3	1647.077
Si	28	2	H2	362.954926	7.3	1266248.127
K	39	1	He	62.093886	2.6	174427.780
Ca	43	1	He	2343.737444	1.7	8743.083
Ca	44	1	He	2382.002463	2.1	148806.303
Ti	47	1	He	0.068789	25.9	30.000
V	51	1	He	-0.019802		-1536.983
Cr	52	1	He	0.073506	6.7	1262.050
Mn	55	1	He	0.183798	3.4	2292.153
Fe	56	1	He	2.981514	2.1	44025.937
Co	59	1	He	-0.000595		70.000
Ni	60	1	He	-0.127649		156.000
Cu	63	1	He	0.547288	3.1	5947.003
Zn	66	1	He	0.641962	5.7	1552.077
As	75	1	He	0.012886	28.8	231.167
Se	78	2	H2	0.030583	16.6	40.667
Sr	88	1	He	6.827070	0.7	108253.943
Mo	95	1	He	0.008954	21.6	76.667
Pd	105	1	He	0.003765	130.3	66.667
Ag	107	1	He	1.288653	84.6	26579.257
Cd	111	1	He	0.002343	127.2	11.643
Sn	118	1	He	0.149596	1.6	1646.767
Sb	121	1	He	0.002879	48.3	115.000
Ba	138	1	He	0.580071	1.1	19242.737
Pt	195	1	He	0.002216	57.7	103.333
Hg	202	1	He	0.009398	20.4	123.333
Tl	205	1	He	-0.004464		441.677
Pb	206	1	He	0.026615	23.1	485.013
Pb	207	1	He	0.018982	40.4	1056.717
Pb	208	1	He	0.024038	9.1	2513.437
Bi	209	1	He	0.000558	720.7	1366.757
Th	232	1	He	0.001562	39.1	151.667
U	238	1	He	0.012787	10.5	951.703

ISTD

Name	Mass	Tune Step	Tune Mode	% Rec	Intensity
Sc	45	1	He	74.05692068	809906.480
Sc	45	2	H2	74.83893653	5015834.000
Ge	72	1	He	73.45400360	497387.510
Ge	72	2	H2	75.50324948	1369518.333
In	115	1	He	78.55458994	5726153.150
Tb	159	1	He	81.57302757	13208483.550
Ir	193	1	He	80.51036139	6293673.657